DEPARTMENT OF THE AIR FORCE
AIR FORCE CIVIL ENGINEER CENTER

December 11, 2023

MEMORANDUM FOR: U.S. Environmental Protection Agency – Region 2
Attn: Mr. Robert Morse
Federal Facilities Section
290 Broadway, 18th Floor
New York, NY 10007-1866

New York State Department of Environmental Conservation
Attn: Ms. Heather Bishop
Bureau of Eastern Remedial Action
625 Broadway 12th Floor
Albany, NY 12233-7015

FROM: AFCEC/CIBE – Plattsburgh
8 Colorado Street, Suite 121
Plattsburgh NY 12903

SUBJECT: Final 2022 Annual Performance Monitoring Report On-Base Groundwater Remediation, Former Griffiss Air Force Base, Rome, New York. December 2023

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

- Final 2022 Annual Performance Monitoring Report On-Base Groundwater Remediation, Former Griffiss Air Force Base, Rome, New York (December 2023)

This report has the following recommendations presented as follows:

Site SD052-01:

- Groundwater and surface sampling should proceed on a biennial basis to next occur in Fall 2024 at the following locations
  - upgradient/source area monitoring well 782VMW-105B
  - source area monitoring well 782VMW-81
  - downgradient/toe of plume area monitoring well 782VMW-121
  - cross-gradient monitoring well AP2MW-3
  - downgradient area monitoring well 782VMW-101
  - Six Mile Creek surface water sampling location 782SW-115

Site SD052-02:

- Groundwater sampling should proceed on a biennial basis to next occur in Fall 2024 at the following locations:
  - upgradient monitoring wells 775VMW-4 and 775VMW-5

    - mid-plume monitoring wells 775MW-6 and 775VMW-8
    - downgradient monitoring wells 775VMW-9, 775VMW-10, and 775-MW20
    - downgradient sentry monitoring well 775-VMW20R
- Replacement of security lock on monitoring well 775-VMW20R

Site SD052-04:

- Groundwater and surface water sampling should proceed on a biennial basis to next occur in Fall 2024 at the following locations:
    - upgradient monitoring wells LF6TW-34, LF6TW-33, and LF6TW-35
    - hotspot monitoring wells LF6MW-12, LF6MW-16, LF6MW-17, and LF6MW-20
    - downgradient monitoring wells LF6TW-36, LF6TW-38, LF6VMW-26, LF6MW-39, LW6VMW 13R, and LF6MW-13RD
    - Three Mile Creek surface water sampling location LF6-SW1PM

Site SD052-05:

- Groundwater sampling should proceed on a biennial basis to next occur in Fall 2024 at the following locations:
    - source area/head of plume monitoring wells 817MW-2, 817MW-3, WSAMW-18, and WSAMW-16
    - mid-plume monitoring wells WSAMW-19 and WSAMW-17
    - downgradient monitoring wells WSAMW-23, WSAMW-21, and WSAMW-9
- Due to lack of contaminants observed in groundwater at WSAMW-9, surface water sampling from Six Mile Creek is not recommended

Site SS062:

- Groundwater and surface water sampling should proceed on a biennial basis to next occur in Fall 2024 at the following locations:
    - upgradient monitoring well AOC9MW-18
    - source area monitoring well AOC9MW-19
    - mid-plume monitoring wells AOC9MW-14 and AOC9MW-15
    - downgradient/plume monitoring wells AOC9MW-17 and AOC9MW-07
    - Six Mile Creek surface water sampling locations AOC9-SW02 and AOC9-SW03

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



DAVID S. FARNSWORTH, DAF
Program Manager/BRAC Environmental Coordinator
BRAC Program Management Division

Cc: See Attachment 2 Distribution List

Attachments:

1. Final 2022 Annual Performance Monitoring Report On-Base Groundwater Remediation, Former Griffiss Air Force Base, Rome, New York (December 2023)
2. Distribution List

Distribution Requirements
Final 2022 Annual Performance Monitoring Report On-Base Groundwater Remediation
Former Griffiss Air Force Base, Rome, New York. December 2023
December 11, 2023

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USEPA Region 2
Mr. Robert Morse
Federal Facilities Section
290 Broadway, 18th Floor
New York, NY 10007-1866
(212) 637-4331
Morse.bob@epa.gov

NYSDEC
Ms. Heather Bishop
Bureau of Eastern Remedial Action
625 Broadway, 12th Floor
Albany, NY 12233-7015
(518) 402-9692
Heather.bishop@dec.ny.gov

NYSDOH
Melissa Doroski
Bureau of Environmental Exposure Investigation
Empire State Plaza – Corning Tower Rm #1739
Albany, NY 12237
(518) 402-7857
melissa.doroski@health.ny.gov

AFCEC/CIBE Plattsburgh
Mr. David Farnsworth
8 Colorado Street, Suite 121
Plattsburgh, NY 12903
(518) 563-2871
David.farnsworth@us.af.mil

AFCEC/CIBE
Joe Tellez, CNSP
40 NE Loop 410, Suite 200
San Antonio, TX 78216
210-323-4149
joe.tellez@cherokee-federal.com

Mr. Allen Tevyaw
CNSB
allen.tevyaw@cherokee-federal.com

Mr. John Carr
CNSB
john.carr@cherokee-federal.com

Mr. Victor Volskay
CNSB
victor.volskay@cherokee-federal.com

BRAC AR
Attn: Justin Prochnow
AFCEC/CIBP
3515 S. Gen McMullen Drive
San Antonio, TX 78226-1710
afcec.brac.ar@us.af.mil
chance.pircher.ctr@us.af.mil

Final
2022 Annual Performance Monitoring Report
On-Base Groundwater Remediation
Former Griffiss Air Force Base
Rome, New York

December 2023

Prepared For:

Air Force Civil Engineer Center
Building 171
2261 Hughes Avenue, Suite 155
JBSA Lackland, TX 78236-9853

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Prepared by:

1608 13th Avenue South, Suite 300
Birmingham, Alabama 35205
1-800-806-4001 • www.bhate.com

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ACRONYMS AND ABBREVIATIONS

AFB	Air Force Base
AFCEC	Air Force Civil Engineer Center
AFRPA	Air Force Real Property Agency
AOC	Area of Concern
AWQ	Ambient Water Quality
bgs	below ground surface
Bhate	Bhate Environmental Associates, Inc.
BRAC	Base Realignment and Closure
CB	chlorobenzene
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	contaminant of concern
CSM	conceptual site model
CVOC	chlorinated volatile organic compound
D	diluted (laboratory qualifier)
DCA	dichloroethane
DCB	dichlorobenzene
DCE	dichloroethene
DHC	Dehalococcoides
DO	dissolved oxygen
DOC	dissolved organic carbon
DPT	direct-push technology
EEEPC	Ecology and Environment Engineering, P.C.
ERD	enhanced reductive dechlorination
EVO	emulsified vegetable oil
FPM	FPM Remediations, Inc.
ISCO	In-Situ Chemical Oxidation
J	estimated (laboratory qualifier)
LCS	laboratory control sample
LTM	long-term monitoring
mg/L	milligrams per liter
MNA	monitored natural attenuation
MS	matrix spike
MSD	matrix spike duplicate
MTBE	methyl tert-butyl ether

mV	millivolts
µg/L	micrograms per liter
NYSDEC	New York State Department of Environmental Conservation
OBC®	Oxygen BioChem®
OBGW	On-Base Groundwater
ORP	oxidation reduction potential
Parsons	Parsons Government Services or Parsons Infrastructure & Technology Group, Inc.
pH	potential of hydrogen
PCE	tetrachloroethene
PM	Performance Monitoring
QA	quality assurance
QC	quality control
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RI	Remedial Investigation
ROD	Record of Decision
RPD	relative percent difference
S/GV	Standard and Guidance Value
SMC	Six Mile Creek
SU	standard units
TCA	trichloroethane
TCE	trichloroethene
TOC	total organic carbon
U	non-detect (laboratory qualifier)
UJ	non-detect due to discrepancies in meeting QC criteria (data validation qualifier)
UFP-QAPP	Uniform Federal Policy – Quality Assurance Project Plan
USEPA	United States Environmental Protection Agency
VC	vinyl chloride
VOC	volatile organic compound
WSA	Weapon Storage Area

1 INTRODUCTION

Environmental Chemical Corporation and team member Bhate Environmental Associates, Inc. (Bhate) were retained by the Air Force Civil Engineer Center (AFCEC), under Contract Number FA8903-20-D-0001, to conduct environmental remediation activities at the former Griffiss Air Force Base (AFB) in Rome, New York. This Performance Monitoring (PM) Report has been prepared as part of the ongoing PM conducted at the following Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) sites at former Griffiss AFB:

- SD052-01: Apron 2 Chlorinated Plume (Buildings 785 and 786)
- SD052-02: Building 775(Buildings 774 and 776)
- SD052-04: Landfill 6 Trichloroethene (TCE) Site
- SD052-05: Building 817/Weapon Storage Area (WSA)
- SS062: Area of Concern (AOC) 9 WSA Landfill

The above sites are within the former Griffiss AFB in Rome, New York (**Figure 1-1**). This report presents and assesses site activities and groundwater/surface water monitoring data from the 2022 PM sampling at these CERCLA sites. A summary of Remedial Action Objectives (RAOs) for these sites are provided in **Table 1-1**. Select representative monitoring well results are evaluated using trend charts. Bhate performed the sampling as detailed in previous annual reports and in accordance with the Final Basewide Uniform Federal Policy – Quality Assurance Project Plan (UFP-QAPP) for Long Term Monitoring (LTM) (Bhate, April 2022).

Site SD052-01 was last sampled in the year 2021 and will be sampled biennially in conjunction with the other On-Base Groundwater (OBGW) sites next in 2024. The sampling schedules for sites SD052-02, SD052-04, SD052-05, and SS062 are biennial and were last sampled in 2020. All sites will next be sampled in 2024. Discussion of the 2022 sampling results includes comparison to the prior event sampling results.

1.1 Objectives

The objective of PM is to maintain compliance with the Record of Decision (ROD) (Air Force Real Property Agency [AFRPA], December 2008) requirement to "evaluate effectiveness of the remedy" through "long-term monitoring of the groundwater plume and treatment performance during implementation." Groundwater data is also used to support decision making and assessment of the implemented remedies. This report contains the following required information:

- Analytical summary tables for current and historical reporting (**Appendix A**)
- Summary (field forms) of field sampling and other activities (**Appendix B**)
- Data assessment information including data validation reports (**Appendix C**) and raw laboratory results (**Appendix D**)
- Updated contaminant plume maps and groundwater elevation contour maps
- Summary of analytical results

- Trend charts

The above requirements are addressed in the following site-specific sections. Each site-specific section contains the following subsections:

- Site Background
- Remedial Action Summary
- PM Sampling Plan
- PM Results
- Analysis and Discussion
- Conclusions
- Recommendations

1.2 Procedures and Report Organization

The 2022 PM sampling was conducted in accordance with the Final Basewide UFP-QAPP for LTM (Bhate, April 2022) and any sampling plan modifications made following regulatory approval of the annual OBGW report recommendations. Field activities were conducted from August 23 through August 29, 2022.

Depth to water measurements were collected from sampled monitoring wells prior to initiating purging to calculate groundwater elevations and potentiometric surfaces and during low-flow purging to monitor for drawdown. Groundwater samples from monitoring wells were collected with a peristaltic pump with new and disposable low-density polyethylene and silicone tubing.

During purging, water passed through a water quality instrument equipped with a flow-through cell for measurement of field parameter stabilization including oxidation reduction potential (ORP), dissolved oxygen (DO), potential of hydrogen (pH), temperature, specific conductivity, and turbidity. Surface water samples were collected via grab method (no pump) and water quality parameters recorded by submerging the water quality instrument probes directly into the water body.

For evaluation purposes, where established, all analytical data was screened against the New York State Department of Environmental Conservation (NYSDEC), Division of Water *Technical and Operational Guidance Series (TOGS) (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values*, (NYSDEC, June 1998), and *Addendum to June 1998 Division of Water and Technical and Operational Guidance Series (TOGS) No. 1.1.1* (NYSDEC, April 2000).; referred to as NYSDEC AWQ S/GV in this document.

Laboratory analyses included the following performed in accordance with site-specific requirements:

- volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D
- dissolved gasses (methane, ethane, ethene) by Method RSK-175

- dissolved organic carbon (DOC) and total organic carbon (TOC) by USEPA Method 9060A
- anions (chloride, nitrate, and/or sulfate) by USEPA Method 9056A

Laboratory analyses were performed by SGS North America Inc., in Orlando, Florida. All data validation was performed by Environmental Synectics, Inc. Field quality assurance (QA) and quality control (QC) samples (i.e., field duplicates, trip blanks, matrix spike [MS]/matrix spike duplicate [MSD]) were collected by the field team to document field QA/QC.

The following provides a description of data qualifiers used by the laboratory:

- D – The reported value is from a dilution.
- U – The analyte was analyzed for but was not detected.
- J – The analyte was positively identified; the result was detected above the method detection limit, but the concentration was below the reporting limit as an estimated value.
- UJ – The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific QC criteria.

It should be noted that it is infrequent but not unusual for the laboratory detection/quantitation limit for a particular analyte to be above the screening criteria due to required sample dilution. This should have no impact on the quality or usability of the data because, when this occurs, the magnitude of the exceedance will be considered in conjunction with the intended use of the data to determine its overall impact upon decision making. The detection and quantitation limits in the project UFP-QAPP and laboratory reports represent current and the best available limits for the analytical method and are consistent with Department of Defense Quality System Manual guidelines. Non-detect results are reported to the limit of detection and detected results are reported down to the detection limit.

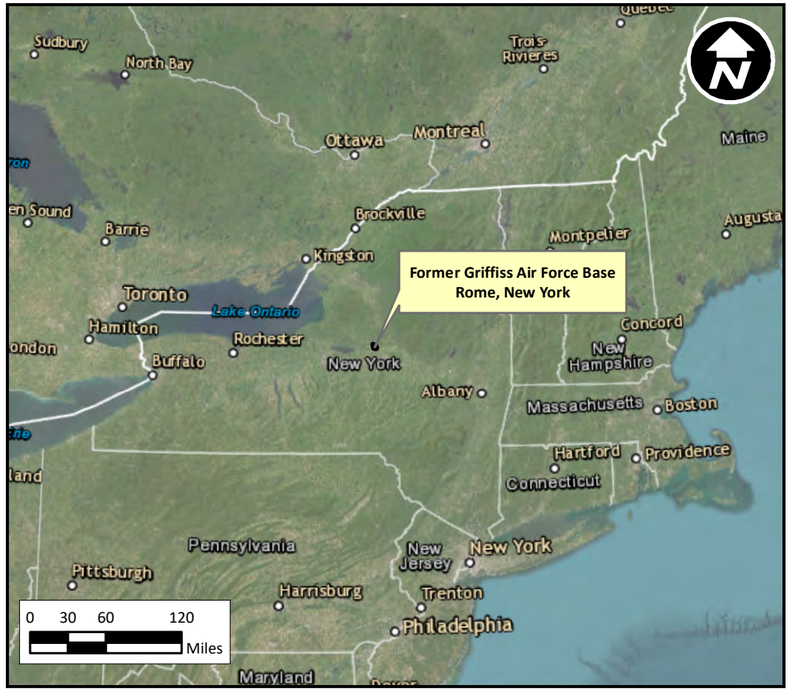
Representative tables and figures are included at the end of each site section. Analytical Summary Tables are provided in **Appendix A**. Groundwater and surface water sample collection forms are provided in **Appendix B**. Laboratory data validation reports are provided in **Appendix C**. Laboratory data analytical packages are provided in **Appendix D**.

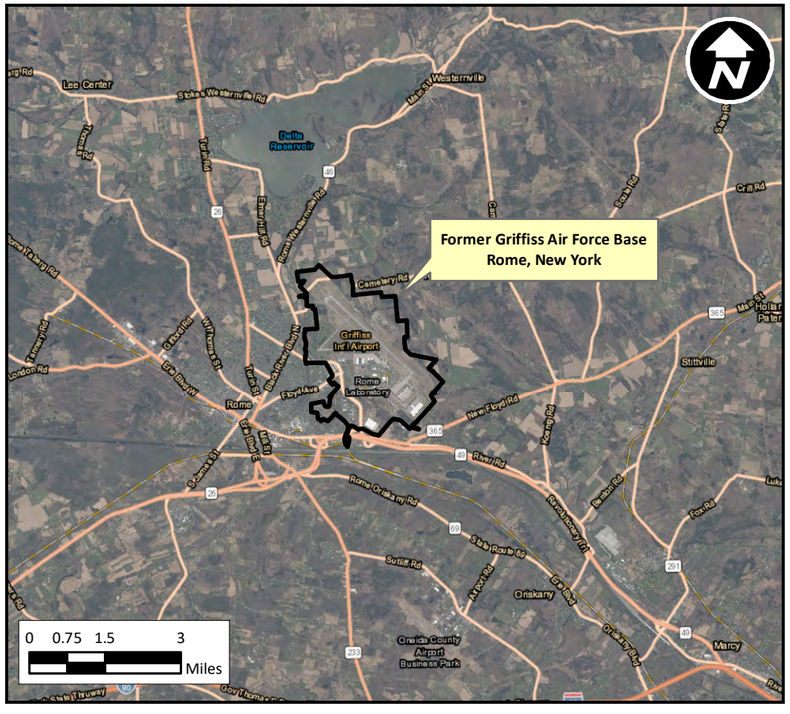
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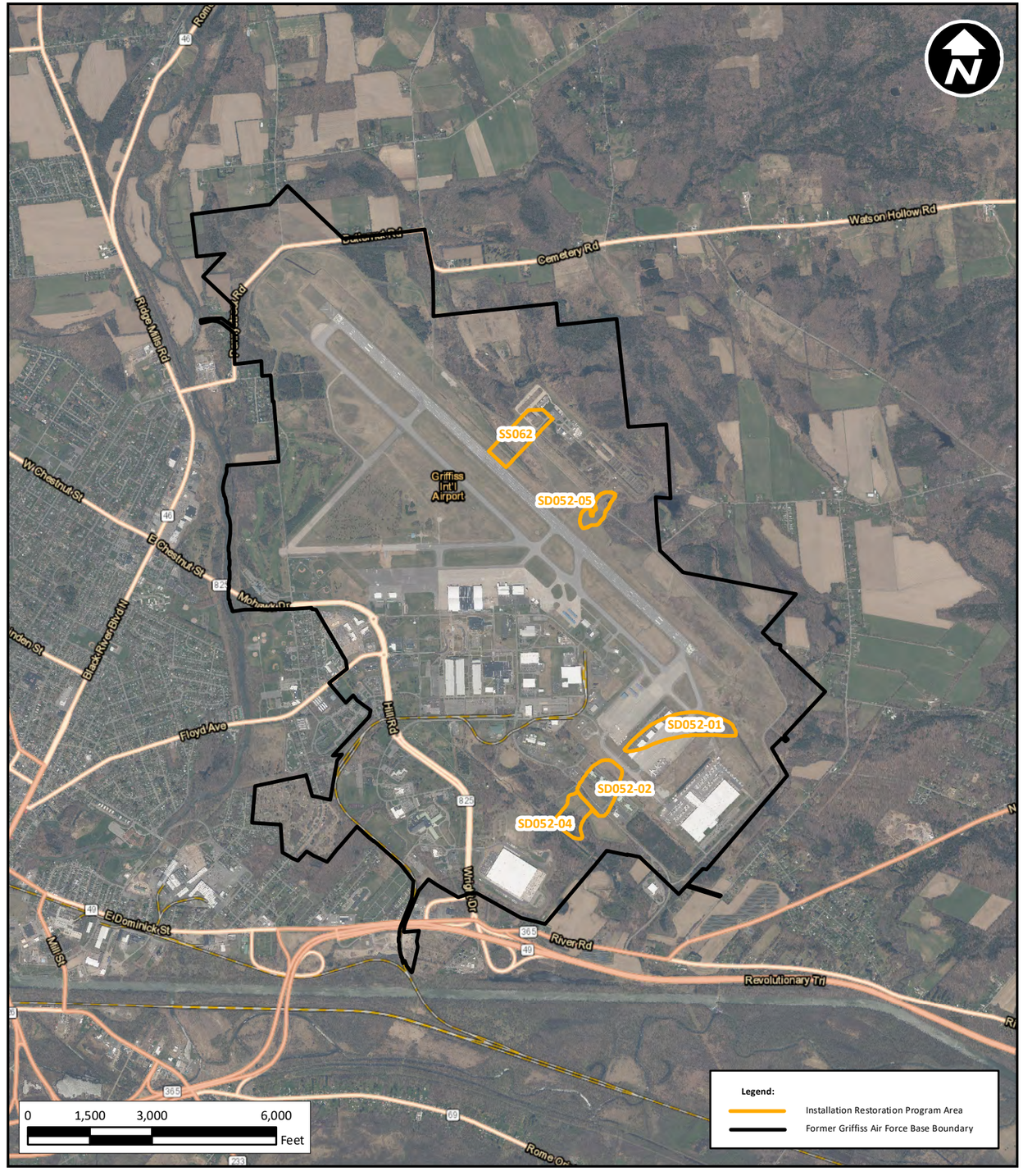
Table 1-1 Site Remedial Action Objectives

Site	RAO
SD052-01: Apron 2 Chlorinated Plume (Buildings 785 and 786)	• Achieve the cleanup goals for contaminants of concern (COCs) based on NYSDEC AWQ S/GV. • Prevent human exposure to groundwater through groundwater use restrictions until cleanup goals are achieved. • Prevent contaminated groundwater from the site from adversely impacting surface water in Six Mile Creek (SMC), which is defined as surface water concentrations above performance indicators (NYSDEC AWQ S/GV of 2 micrograms per liter [µg/L] for vinyl chloride [VC]). • Prevent development and use of the property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.
SD052-02: Building 775 (Buildings 774 and 776)	• Achieve the cleanup goals for COCs based on NYSDEC AWQ S/GV. • Prevent human exposure to groundwater through groundwater use restrictions until cleanup goals are achieved. • Prevent contaminated groundwater from the site from adversely impacting surface water in Three Mile Creek, which is defined as surface water concentrations above performance indicators (NYSDEC AWQ S/GV of 5 µg/L for cis-1,2-dichloroethene [DCE] and 2 µg/L for VC). • Prevent development and use of the property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.
SD052-04: Landfill 6 TCE Site	• Achieve the cleanup goals for COCs based on NYSDEC AWQ S/GV. • Prevent human exposure to groundwater through groundwater-use restrictions until cleanup goals are achieved. • Prevent contaminated groundwater from the site from adversely impacting surface water in Three Mile Creek, which is defined as surface water concentrations above performance indicators (NYSDEC AWQ S/GV of 5 µg/L for cis-1,2-DCE and 2 µg/L for VC). • Prevent intrusive work or other activities that will impact the effectiveness of the landfill closure and post-closure activities. • Prevent development and use of the property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.
SD052-05: Building 817/ WSA	• Achieve the cleanup goals for COCs based on NYSDEC AWQ S/GV. • Prevent human exposure to groundwater through groundwater use restrictions until cleanup goals are achieved. • Prevent contaminated groundwater from the site from adversely impacting surface water in SMC which is defined as surface water concentrations above performance indicators (NYSDEC AWQ S/GV of 5 µg/L for cis-1,2-DCE and 2 µg/L for VC). • Prevent development and use of the property for residential housing, elementary and secondary schools, childcare facilities, and playgrounds.

Site	RAO
SS062: AOC 9 WSA Landfill	• Achieve the cleanup goals for COCs based on NYSDEC AWQ S/GV. • Prevent potential unacceptable human risk associated with exposure to groundwater through groundwater use restrictions until AOC 9 cleanup goals are achieved. • Prevent contaminated groundwater from the AOC 9 Site from adversely impacting surface water in SMC, which is defined as surface water concentrations above performance indicators (NYSDEC AWQ S/GV for 23 COCs). • Prevent the potential for unacceptable human risk under CERCLA associated with exposure to soil vapor until the AOC 9 groundwater cleanup goals are achieved.







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CERCLA Groundwater AOCs
Site Map

Figure 1-1

2022 Annual Performance Monitoring Report
On-Base Groundwater Remediation
Former Griffiss Air Force Base, Rome, New York

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DATE: 8/1/2023
SCALE: As Shown
PROJECT NO: MSC2021.0012.2008.0002

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2 SD052-01 APRON 2 CHLORINATED PLUME (BUILDINGS 785 AND 786)

2.1 Site Background

Site SD052-01 is an approximately 2,800 feet long and 500 feet wide chlorinated volatile organic compound (CVOC) plume in the Apron 2 area. This plume appears to originate in the area of the nosedock wash wastewater system near Building 786 (FPM Remediations, Inc. [FPM], April 2004) (**Figure 2-1**). Use of chlorinated solvents probably occurred in all nosedock facilities and multiple small sources could exist along floor drains, sewer lines, and oil water separators (FPM, February 2016). There are three primary contaminants exceeding NYSDEC AWQ S/GV at Site SD052-01 identified as COCs: TCE; cis-1,2-DCE; and VC. The CVOC plume was co-mingled with several former, but currently closed petroleum fuel contaminant plumes, including site SS064, originating from the Apron 2 fueling system resulting in significant reductions of TCE and cis-1,2-DCE via anaerobic biodegradation (FPM, April 2004).

The contaminated aquifer, as described in the 2004 Remedial Investigation (RI) (FPM, April 2004), is encountered at a depth of 9 to 25 feet below ground surface (bgs) with the shallow depth occurring in the vicinity of SMC. The aquifer is composed of several well-defined layers including a silty-sand layer in the upper 5 feet; a 5- to 15-foot thick coarse sand and gravel layer in the middle of the aquifer; and a 15- to 20-foot thick layer of till composed of fine sand, silt, and gravel resting on the shale bedrock. The total aquifer thickness ranges from 45 feet in the source areas to less than 20 feet in the downgradient areas near SMC. Although the site has a relatively flat gradient, the high hydraulic conductivity of gravel layers has produced an estimated average groundwater velocity of 106 feet per year (FPM, August 2006). This velocity seems reasonable given the manner in which the 2,800-foot long CVOC plume has migrated.

Monitored natural attenuation (MNA) with institutional controls and LTM is the selected remedy as detailed in the Final ROD for the OBGW AOC (SD052-01) (AFRPA, December 2008). In the southern plume, VC had migrated eastward to monitoring well 782VMW-101 near SMC (FPM, June 2015); however, aerobic degradation of VC is occurring near the leading edge of the plume. **Figure 2-1** presents the site and monitoring well locations.

2.2 Remedial Action Summary

In accordance with the Final ROD, the Final Remedial Action Work Plan (RAWP) (Parsons Government Services [Parsons], July 2008) specifies MNA as the selected remedy for site SD052-01 using the ongoing physical, chemical, and natural biological process to reduce the contaminants within the aquifer. This selected remedy is based on previous investigations and studies, which determined that natural attenuation is occurring at this site.

In June 2017, an enhanced reductive dechlorination (ERD) pilot study in accordance with the Remedial Optimization Work Plan (Bhate, March 2017) was completed to evaluate enhancing the MNA with additional substrate and bioaugmentation. Implementation of the ERD pilot study included injections of emulsified vegetable oil (EVO), an inoculum of Dehalococcoides (DHC) culture, and buffer into the groundwater via seven direct-push technology (DPT) injection

locations. Injection points 782IP-01 through 782IP-07 were advanced near monitoring wells 782VMW-81 and 782VMW-105B. A summary of the pilot study ERD injections can be found in the 2017 PM Report (Bhate, June 2018).

The Final 2018 PM Report (Bhate, October 2019) recommended terminating the operation of horizontal sparge well AP2HW-1 (**Figure 2-1**) as it was not integral to site cleanup. AP2HW-1 was associated with the petroleum spill site SS064, which was closed in 2015 (NYSDEC, September 2015). The sparge system continued to operate after closure of site SS064 as an optional contingency to prevent the SD052-01 VOC plume from reaching SMC. AP2HW-1 was part of a two well system that included horizontal sparge well 789HW-1, associated with petroleum spill site SS067. Approval was obtained during the July 2019 Base Realignment and Closure (BRAC) Cleanup Team meeting for shut down of both wells. Operation of the system fully ceased on July 31, 2019.

2.3 PM Sampling Plan

The 2022 PM sampling was conducted to monitor the progress of MNA and included sampling from five monitoring wells (AP2MW-3, 782VMW-81, 782VMW-101, 782VMW-105B, and 782VMW-121) and one surface water location (782SW-115) as shown on **Figure 2-1**. All samples were analyzed for VOCs.

2.4 PM Results

The 2022 PM analytical data for site COCs, and other commonly detected VOCs have been compared to prior sampling results as summarized below and in **Table 2-1**. Water quality parameters (ORP, DO, and pH) are also presented in **Table 2-1**. Monitoring well results are presented below from the upgradient/head of the contaminant plume from the source area in the vicinity of Building 786 to the downgradient/toe of the contaminant plume (approximately 2,800 feet) towards SMC; well locations are shown on **Figure 2-1**. The approximate CVOC plume based on August 2022 analytical results is depicted on **Figure 2-2**. Additional historical information is provided in the Final 2021 PM Report (Bhate, December 2022).

Depth to water measurements and calculated groundwater elevations are provided in **Table 2-2** The potentiometric surface map is included as **Figure 2-3**.

- Monitoring well 782VMW-105B: TCE (9.7 µg/L) and cis-1,2-DCE (9.2 µg/L) were detected above NYSDEC AWQ S/GV (5 µg/L for both) in 2022, both analytes were non-detect in 2021; VC was non-detect in 2022 consistent with 2021 reporting.
- Monitoring well 782VMW-81: TCE was non-detect in 2022 consistent with 2021 reporting; cis-1,2-DCE (5.7 µg/L) was detected above NYSDEC AWQ S/GV in 2022 representing a decrease from 2021 results (28.3 µg/L); VC was non-detect in 2022 representing a decrease from 2021 results (4.6 µg/L).
- Monitoring well 782VMW-121: TCE and cis-1,2-DCE were non-detect in 2022 consistent with 2019 reporting (most recent from this location); VC (20.5 J µg/L normal/19.5 µg/L field duplicate) was detected above NYSDEC AWQ S/GV (2 µg/L) in 2022 demonstrating an

increase from 2019 results (4.2 µg/L). Note that adjacent monitoring well 782VMW-121D was inadvertently sampled in place of 782VMW-121 in 2021.

- Monitoring well AP2MW-3: TCE; cis-1,2-DCE; and VC were non-detect in 2022 consistent with 2021 reporting. Benzene (223 µg/L) was detected above NYSDEC AWQ S/GV (1 µg/L) in 2022 at a concentration consistent with 2021 results (252 µg/L); methyl tert-butyl ether (MTBE) was detected (8.3 µg/L) below NYSDEC AWQ S/GV (10 µg/L) representing a decrease from 2021 reporting (12 µg/L); methylene chloride (23 J) was detected above NYSDEC AWQ S/GV (5 µg/L) representing an increase from non-detect in 2021.

  This monitoring well is located south of the distal end of the VC plume and is cross-gradient south from 782VMW-121. The analytical results from this well indicate potential influence/overlap from petroleum spill site SS067.
- Monitoring well 782VMW-101: TCE and cis-1,2-DCE were non-detect in 2022 consistent with 2021 reporting; VC (1.1 µg/L) was detected below NYSDEC AWQ S/GV (2 µg/L) in 2022 demonstrating a decrease from 2021 results (2.6 µg/L).
- Surface water 782SW-115 (downgradient from 782VMW-101 within SMC): TCE; cis-1,2-DCE; and VC were non-detect in 2022 consistent with 2021 reporting; chloroform, historically detected at concentrations below NYSDEC AWQ S/GV (7 µg/L), was non-detect in 2022 demonstrating a decrease from 2021 results (0.85 J µg/L).

2.5 Analysis and Discussion

During the 2022 PM event, TCE was detected above screening criteria in upgradient/source area monitoring well 782VMW-105B only; degradation product cis-1,2-DCE was detected in upgradient/source area well 782VMW-105B and nearest downgradient well 782VMW-81; and degradation product VC was detected above NYSDEC AWQ S/GV in downgradient well 782VMW-121 only (**Figure 2-2**). The presence of TCE only at the head of the contaminant plume and the staggered occurrence of degradation products cis-1,2-DCE and then VC in downgradient monitoring wells suggests that reductive dechlorination is still occurring.

Consistent with historical results, benzene was reported above screening criteria in downgradient monitoring well AP2MW-3. Both MTBE and methylene chloride were also detected in this well. The estimated concentration of methylene chloride (23 J µg/L) reported above screening criteria is inconsistent with non-detect results dating back to 2008. The location of this well is near petroleum spill site SS067 indicating potential overlap of the groundwater contaminant plumes. CVOCs TCE; cis-1,2-DCE; and VC have been non-detect at this location since 2008.

Geochemical parameters used to monitor conditions for anaerobic bioremediation include DO, ORP, and pH. These parameters can be conducive to the bioremediation process or prohibitive (prevent biologic activity). Conducive values are ORP less than -100 millivolts (mV), DO less than 0.5 milligrams per liter (mg/L), and pH between 5 and 9 standard units (SU) (Parsons, August 2004). Prohibitive values are ORP greater than 0 mV, DO greater than 1.0 mg/L, and pH less than 5 SU.

ORP field measurements ranged from -65 mV at 782VMW-121 to 119 mV at 782VMW-81. Only two of the sampled wells had a negative ORP: 782VMW-105B and 782VMW-121. However, these two monitoring wells were not considered to be conducive to anaerobic bioremediation based on their ORP values being greater than -100 mV. The remaining sampled wells in August 2022 had ORP values considered to be 'prohibitive' to anaerobic bioremediation.

Except for elevated DO at 782VMW-81 (4.6 mg/L), DO ranged from 0.25 mg/L at 782VMW-101 to 0.59 mg/L at 782VMW-121, indicating that conditions supportive of anaerobic bioremediation of cis-1,2-DCE and VC are generally present throughout the aquifer The pH field measurements in the near neutral range also indicate that conditions are also conducive to anaerobic bioremediation.

Historically, chloroform has been detected in surface water sample 782SW-115 and has been attributed to storm water runoff and not related to the SD052-01 contaminant plume. Stormwater from the southern and eastern sections of the former Griffiss AFB is received by SMC, which is considered an industrial watershed. Chloroform, when detected in surface water, has been below the NYSDEC AWQ S/GV.

2.5.1 Trend Charts

Trend charts for TCE; cis-1,2-DCE; and VC in monitoring wells 782VMW-105B, 782VMW-81, 782VMW-121, and 782VMW-101 are included as **Figure 2-4** through **Figure 2-7**, respectively. Well locations are shown on **Figure 2-1**.

The trend chart for source area 782VMW-105B demonstrates that, while on a general decreasing trend since 2011, TCE and cis-1,2-DCE concentrations increased from non-detect in 2021 to 9.7 µg/L and 9.2 µg/L in 2022, respectively. VC concentrations have remained non-detect (**Figure 2-4**).

Approximately 250 feet downgradient of the source area at monitoring well 782VMW-81, TCE has remained non-detect or below screening criteria since 2014. A decreasing trend in cis-1,2-DCE concentrations has continued since a spike of 53 J µg/L in October 2018 (following the June 2017 injection event), decreasing to 28.3 µg/L in 2021, and to 5.7 µg/L in 2022. VC was non-detect at this location for the first time since monitoring began in 2006 (**Figure 2-5**).

At monitoring well 782VMW-121, approximately 3,000 feet downgradient of the source area and near the toe of the plume, TCE and cis-1,2-DCE have remained non-detect. Following a decreasing trend in VC concentrations since 2014, an increase to 20.5 J µg/L was observed in 2022, the highest reported result since September 2009 (**Figure 2-6**).

At the most downgradient monitoring well, 782VMW-101, TCE and cis-1,2-DCE remained non-detect. VC has historically been detected with concentrations ranging from 0.47 µg/L to 5.77 µg/L. The concentration in 2022 decreased to 1.1 µg/L from 2.6 µg/L reported in 2021 (**Figure 2-7**).

2.5.2 Data Validation Summary

Minor QC issues identified during the data validation of the laboratory results included: headspace in sample 782VMW-121-0822; field duplicate precision (as relative percent difference [RPD]) outlier for MTBE; and MS/MSD RPD outlier for bromomethane. Results reported for sample 782VMW-121-0822 have been qualified as estimated (flagged 'J/UJ') due to the headspace issue. Reported results for MTBE for the field duplicate pair (782VMW-121-0822 and 782VMW-121-0822-A) have been qualified as estimated (flagged 'J/UJ') due to the RPD outlier. No results were qualified due to the MS/MSD RPD outlier. All data were determined to be usable as qualified.

2.6 Conclusions

The selected remedy at the SD052-01 Apron 2 Chlorinated Plume site is MNA, which results in slow changes in contaminant concentrations typically observed over an extended period. TCE remains present at a concentration above NYSDEC AWQ S/GV in source area monitoring well 782MW-105B and non-detect in the other downgradient wells. TCE degradation product, cis-1,2-DCE, is present above NYSDEC AWQ S/GV in the source area well 782VMW-105B and next immediate downgradient well 782VMW-81; the remaining downgradient wells are non-detect. At the toe of the contaminant plume, VC is present in downgradient well 782VMW-121 above NYSDEC AWQ S/GV. Monitoring well 782VMW-101, approximately 200 feet further downgradient did contain VC below NYSDEC AWQ S/GV.

With the exception of TCE and cis-1,2-DCE at source area well 782VMW-105B, which both increased in 2022, concentrations of TCE and cis-1,2-DCE have generally decreased throughout the portion of the plume where historically observed, while the VC concentrations in those areas have generally increased or remained stable. This indicates that TCE, where present, continues to degrade to cis-1,2-DCE, which continues to degrade to VC. Degradation of VC is likely occurring anaerobically throughout the contaminant plume.

In 2021, the MNA remedy was supported by the lack of detections of TCE. Although an increase in TCE and cis-1,2-DCE to concentrations above screening criteria was observed in monitoring well 782VMW-105B, the increase of VC in downgradient well 782VMW-121 in 2022 continues to support MNA.

Based on the continued lack of detections of CVOCs, surface water of SMC is not impacted. The lack of detections confirms the site is compliant with the specific RAO which states the VC concentration in SMC samples must remain below 2 µg/L.

2.6.1 Impacts of AP2HW-1 Shut Down

Horizontal sparge line, AP2HW-1, fully ceased operation on July 31, 2019. The main purpose of the biosparge well was to prevent petroleum compounds associated with former spill site SS064, which was closed in 2015 (NYSDEC, September 2015), from reaching SMC. The well location was cross-gradient to the distal end of the VC plume at site SD052-01 (**Figure 2-2**). Although the ROD for site SD052-01 specifies that air sparging may be used as a possible contingency measure in

the event that VC concentrations in SMC exhibit an increasing trend (AFRPA, December 2008), the operation was not necessary for VC migration control. Recommendations for shut down of AP2HW-1 in the 2018 OBGW report included continued surface water monitoring for any increase in VC concentrations in SMC. PM sampling in 2021 and 2022 indicates that shut down of AP2HW-1 has not negatively impacted SMC, as VC has not been observed in samples collected from SMC.

2.7 Recommendations

Following evaluation of the 2021 and 2022 data, the sampling plan at site SD052-01 should proceed on a biennial basis to next occur in Fall 2024. Sampling should be conducted at the following locations and as described in **Table 2-3**:

- Upgradient/source area monitoring well 782VMW-105B
- Source area monitoring well 782VMW-81
- Downgradient/toe of plume area monitoring well 782VMW-121
- Cross-gradient monitoring well AP2MW-3
- Downgradient area monitoring well 782VMW-101
- SMC surface water sampling location 782SW-115

A site assessment report will be prepared to address remediation progress at the site and will include a remediation timeline, site status, and an evaluation of the current remediation methods.

Table 2-1 SD052-01 Apron 2 Chlorinated Plume Comparison Summary of COC Results

Analyte/ Field Parameter	NYSDEC AWQ S/GV (µg/L)	2022 Result	2021 Result
782VMW-105B			
TCE (µg/L)	5	**9.7**	0.75 U
cis-1,2-DCE (µg/L)	5	**9.2**	0.75 U
VC (µg/L)	2	0.5 U	0.8 U
ORP (mV)	---	-48	-126
DO (mg/L)	---	0.38	0.68
pH (SU)	---	6.43	7.31
782VMW-81			
TCE (µg/L)	5	0.5 U	0.75 U
cis-1,2-DCE (µg/L)	5	**5.7**	**28.3**
VC (µg/L)	2	0.5 U	**4.6**
ORP (mV)	---	119	-72
DO (mg/L)	---	4.60	0.37
pH (SU)	---	6.34	7.18
782VMW-121 [2]			
TCE (µg/L)	5	0.5 UJ/0.5 U [1]	0.75 U
cis-1,2-DCE (µg/L)	5	0.5 UJ/0.5 U [1]	0.75 U
VC (µg/L)	2	**20.5 J/19.5** [1]	**4.2**
ORP (mV)	---	-65	-101
DO (mg/L)	---	0.59	1.9
pH (SU)	---	6.20	8.09
AP2MW-3			
TCE (µg/L)	5	2.5 U	0.75 U
cis-1,2-DCE (µg/L)	5	2.5 U	0.75 U
VC (µg/L)	2	2.5 U [3]	0.80 U
Benzene	1	**223**	**252**
Methyl tert-butyl ether	10	**8.3**	**12**
Methylene chloride	5	**23 J**	1.5 U
ORP (mV)	---	3	-79
DO (mg/L)	---	0.36	0.58
pH (SU)	---	6.50	6.95
782VMW-101			
TCE (µg/L)	5	0.5 U	0.75 U
cis-1,2-DCE (µg/L)	5	0.5 U	0.75 U
VC (µg/L)	2	**1.1**	**2.6**
ORP (mV)	---	25	-38
DO (mg/L)	---	0.25	0.36
pH (SU)	---	6.28	7.04

Analyte/ Field Parameter	NYSDEC AWQ S/GV (µg/L)	2022 Result	2021 Result
	782SW-115		
TCE (µg/L)	5	0.5 U	0.75 U
cis-1,2-DCE (µg/L)	5	0.5 U	0.75 U
VC (µg/L)	2	0.5 U	0.8 U
Chloroform	7	0.5 U	**0.85 J**
ORP (mV)	---	194	88
DO (mg/L)	---	5.80	12.06
pH (SU)	---	5.22	7.35

Notes:
[1] = normal/field duplicate result
[2] = previous results from 2019
[3] = elevated non-detect result due to dilution
DCE = dichloroethene
TCE = trichloroethene
VC = vinyl chloride
DO = dissolved oxygen
ORP = oxidation reduction potential
pH = potential of hydrogen
µg/L = microgram per liter
mg/L = milligram per liter
mV = millivolt
SU = standard units
Bold analytical results indicate detection
Highlighted analytical results indicate detection above NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998), Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Table 2-2 SD052-01 Apron 2 Chlorinated Plume Groundwater Elevations (August 2022)

Well Identification	Depth to Water (feet btoc)	Top of Casing (feet amsl)	Groundwater Elevation (feet amsl)
782VMW-105B	19.20	480.25	461.05
782VMW-81	20.55	479.57	459.02
782VMW-121	13.08	459.87	446.79
AP2MW-3	18.70	465.63	446.93
782VMW-101	8.80	453.95	445.15

Notes:
amsl = above mean sea level
btoc = below top of casing

Table 2-3 SD052-01 Apron 2 Chlorinated Plume Performance Monitoring Plan (Fall 2024)

Sample Location	Sample Type	Required Analysis
782VMW-105B	Groundwater	Volatile organic compounds
782VMW-81	Groundwater	
782VMW-121	Groundwater	
AP2MW-3	Groundwater	
782VMW-101	Groundwater	
782SW-115	Surface water	

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SD052-01 Apron 2 Chlorinated Plume Site Map

Figure 2-1

782MW-3 782MW-3R 782MW-12 782VMW-86 782MW-11 782MW-1R 782VMW-89 782MW-1 782MW-9 782VMW-90 782VMW-85 782MW-5 782VMW-95 782MW-6R2 782MW-6D 782VMW-88 782VMW-100 782VMW-84 782-MW184 782VMW-121 782VMW-94 782MW-10 782VMW-84D 782VMW-87 782VMW-121D 782VMW-101 782SW-115 AP2MW-3 AP2HW-1 782VMW-78 782VMW-96 782VMW-93 782VMW-82 782VMW-92 782VMW-76 782SW-118 782VMW-102 782VMW-81 782SW-119 782VMW-105B 782VMW-104 782VMW-83 782VMW-97 782VMW-98 782VMW-99

SD052-01 SS067 SS067 Six Mile Creek

0782 0783 0784 0785 0786 0782 8004 5340 6389C 5730 N0719 N0763 N0788 N0727 0776 0795 0789 0049

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

0 125 250 500 Feet

Legend:

- Performance Sampling Location
- Monitoring Well Location
- Surface Water Sample Location
- Installation Restoration Program Area
- Horizontal Well Screen (Below Ground)
- Horizontal Well Piping (Aboveground)
- Horizontal Well Piping (Below Ground)
- 5657 Building Number
- 0781 Demolished Building Location
- Approximate Direction of Groundwater Flow

Service Layer Credits: NYS ITS GIS Program Office, Westchester County GIS

2022 Annual Performance Monitoring Report
On-Base Groundwater Remediation
Former Griffiss Air Force Base, Rome, New York

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Notes:
DCE - dichloroethene
MC - methylene chloride
MTBE - methyl tert-butyl ether
TCE - trichloroethene
VC - vinyl chloride
0.5 UJ/0.5 U - normal/field duplicate sample result
µg/L - micrograms per liter
J - estimated value
U - not detected; reported to the Limit of Detection
UJ - not detected; result estimated due to discrepancies in meeting quality control criteria
Red analytical results exceed NYSDEC AWQS/GV criteria
NYSDEC AWQS/GV - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998), Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Analyte	NYSDEC AWQS/GV (µg/L)
TCE	5
cis-1,2-DCE	5
VC	2
Benzene	1
MTBE	10
MC	5

782VMW-81	
Analyte	Result (µg/L)
TCE	0.5 U
cis-1,2-DCE	5.7
VC	0.5 U

782VMW-105B	
Analyte	Result (µg/L)
TCE	9.7
cis-1,2-DCE	9.2
VC	0.5 U

782VMW-121	
Analyte	Result (µg/L)
TCE	0.5 UJ/0.5 U
cis-1,2-DCE	0.5 UJ/0.5 U
VC	20.5 J/19.5

782VMW-101	
Analyte	Result (µg/L)
TCE	0.5 U
cis-1,2-DCE	0.5 U
VC	1.1

782SW-115	
Analyte	Result (µg/L)
TCE	0.5 U
cis-1,2-DCE	0.5 U
VC	0.5 U

AP2MW-3	
Analyte	Result (µg/L)
TCE	2.5 U
cis-1,2-DCE	2.5 U
VC	2.5 U
Benzene	223
MTBE	8.3
MC	23 J

782MW-3R, 782MW-3, 782MW-12, 782VMW-86, 782MW-1R, 782MW-1, 782VMW-89, 782MW-11, 782MW-9, 782VMW-90, 782VMW-85, 782MW-5, 782VMW-95, 782MW-6R2, 782MW-6D, 782VMW-84, 782VMW-88, 782VMW-100, 782-MW184, 782VMW-121D, 782VMW-84D, 782VMW-87, 782MW-10, 782VMW-94, 782VMW-96, 782VMW-78, 782VMW-93, 782VMW-92, 782VMW-82, 782VMW-76, 782VMW-104, 782VMW-83, 782VMW-97, 782VMW-98, 782VMW-99, AP2HW-1, 782SW-118, 782VMW-102, 782SW-119, SD052-01, SS067, Six Mile Creek

Building numbers: 5340, 5730, 6389C, 0782, 0783, 8004, 0784, 0785, N0763, 0049, N0758, 0789, 0786, 0007, N0727, 0795, 0776

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

0 125 250 500 Feet

Legend:
- Performance Sampling Location
- Monitoring Well Location
- Surface Water Sample Location
- Approximate cis-1,2-DCE Isocontour (5 µg/L)
- Approximate VC Isocontour (2 µg/L)
- Installation Restoration Program Area
- 5657 Building Number
- 0781 Demolished Building Location
- Horizontal Well Screen (Below Ground)
- Horizontal Well Piping (Aboveground)
- Horizontal Well Piping (Below Ground)
- Approximate Direction of Groundwater Flow

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SD052-01 Apron 2
Chlorinated Plume
(August 2022)

Figure 2-2

2022 Annual Performance Monitoring Report
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SD052-01 Apron 2 Chlorinated Plume Potentiometric Surface Map (August 2022)

Figure 2-3

2022 Annual Performance Monitoring Report
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782VMW-121 (446.79)

782VMW-101 (445.15)

AP2MW-3 (446.93)

AP2HW-1

782VMW-81 (459.02)

782VMW-105B (461.05)

SD052-01

SS067

Six Mile Creek

6389C

0782

0783

0784

0785

0786

8004

5340

N0763

N0788

N0027

0776

0789

0795

446.00

448.00

450.00

452.00

454.00

456.00

458.00

460.00

Notes:
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0 125 250 500 Feet

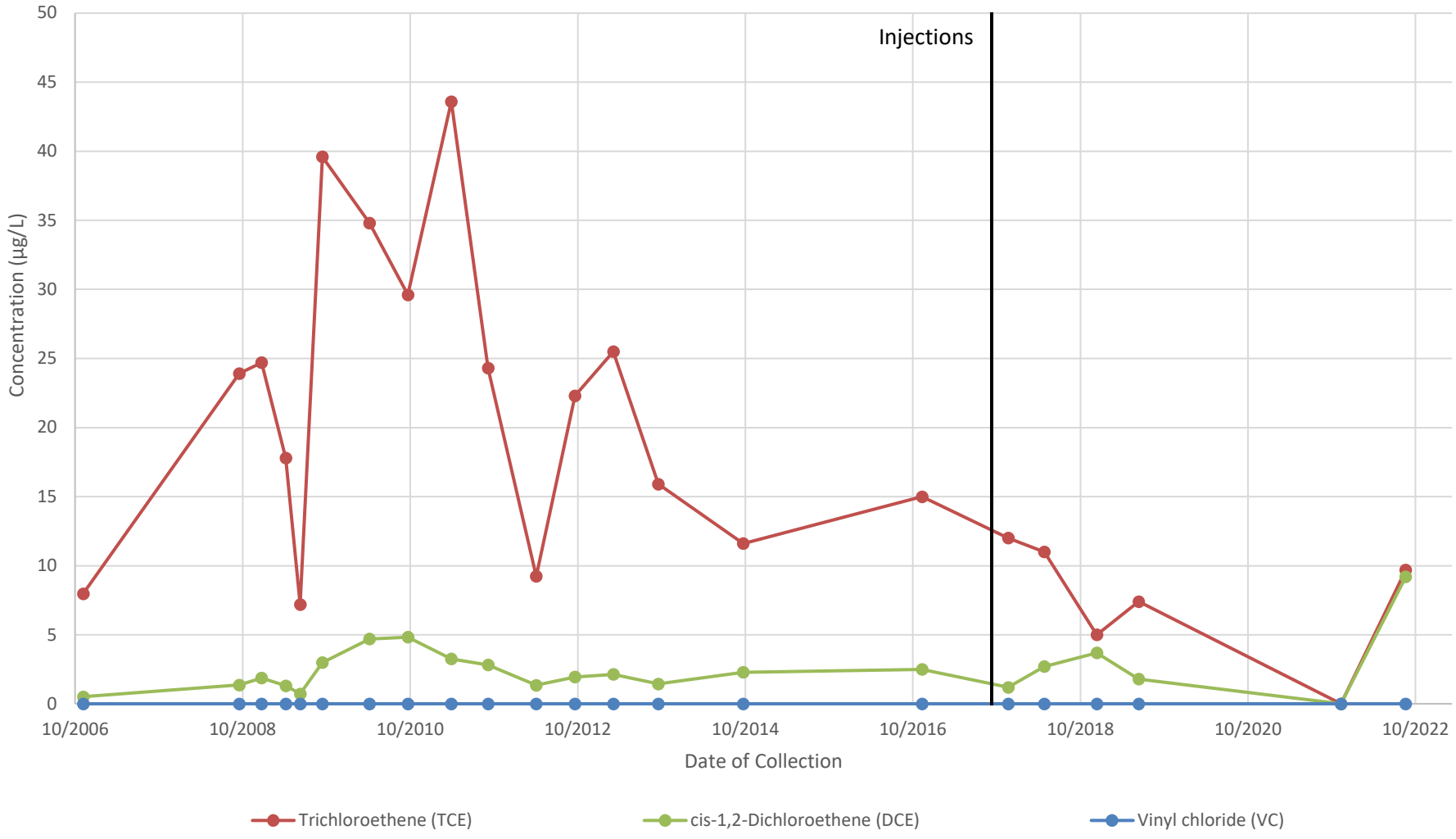
Legend:

- Monitoring Well Location
- Monitoring Well Location (Not Measured)
- Installation Restoration Program Area
- (445.15) Potentiometric Surface Elevation in Feet Above Mean Sea Level
- Potentiometric Surface Contour
- Direction of Groundwater Flow
- Horizontal Well Screen (Below Ground)
- Horizontal Well Piping (Aboveground)
- Horizontal Well Piping (Below Ground)
- 5657 Building Number
- 0781 Demolished Building Location

Service Layer Credits: NYS ITS GIS Program Office, Westchester County GIS

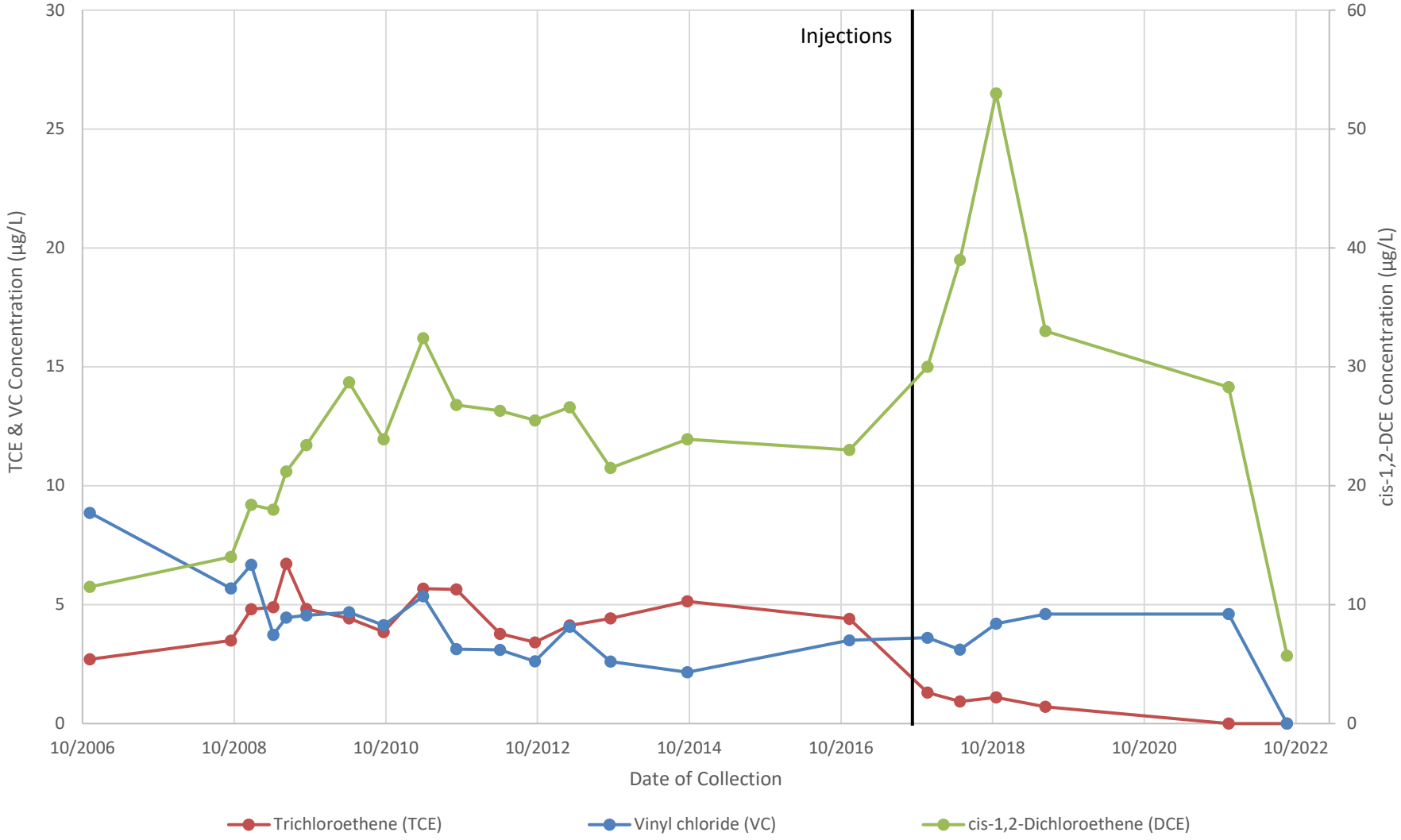
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Figure 2-4 SD052-01 Apron 2 Chlorinated Plume Trend Chart for 782VMW-105B



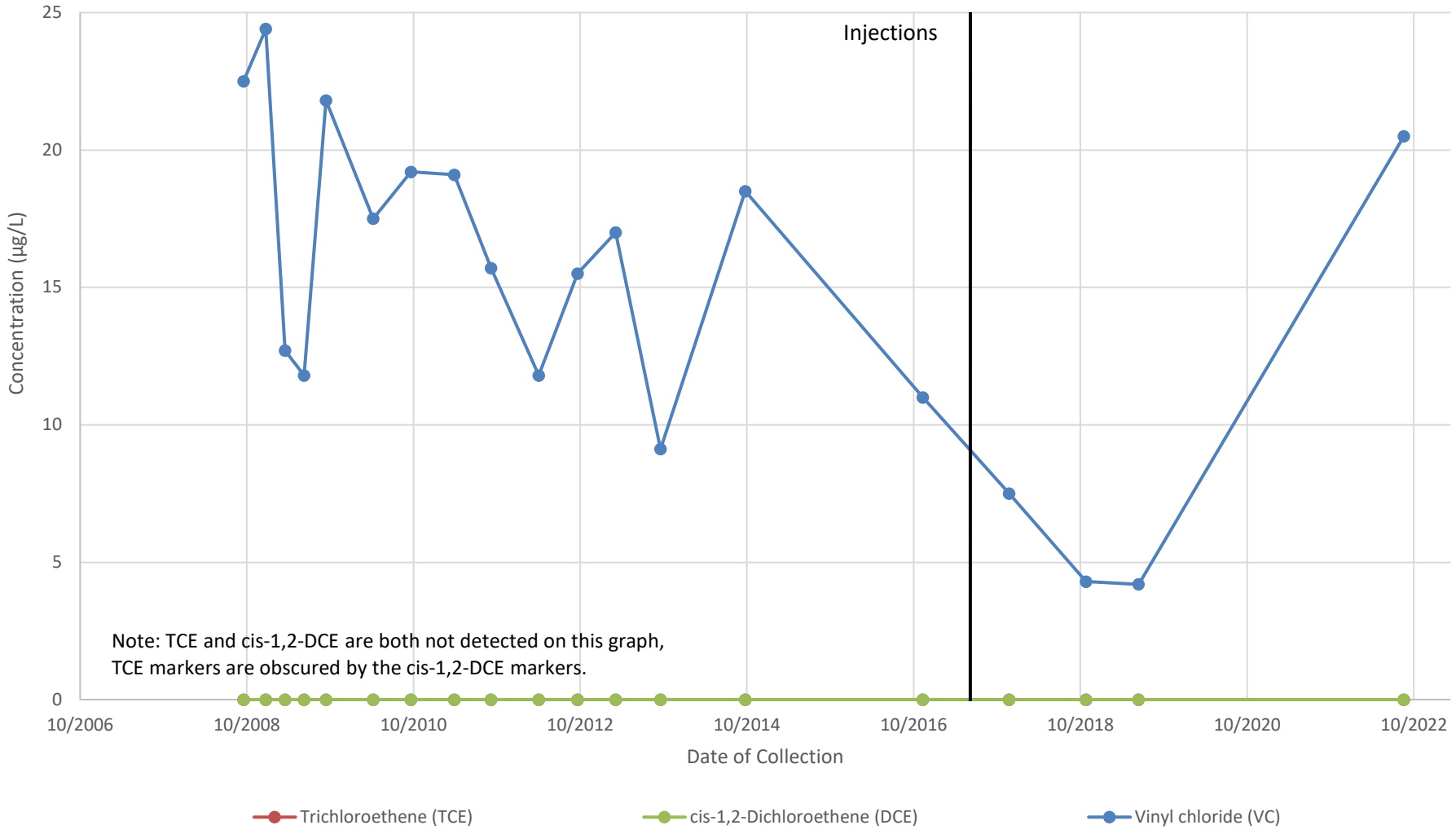
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Figure 2-5 SD052-01 Apron 2 Chlorinated Plume Trend Chart for 782VMW-81



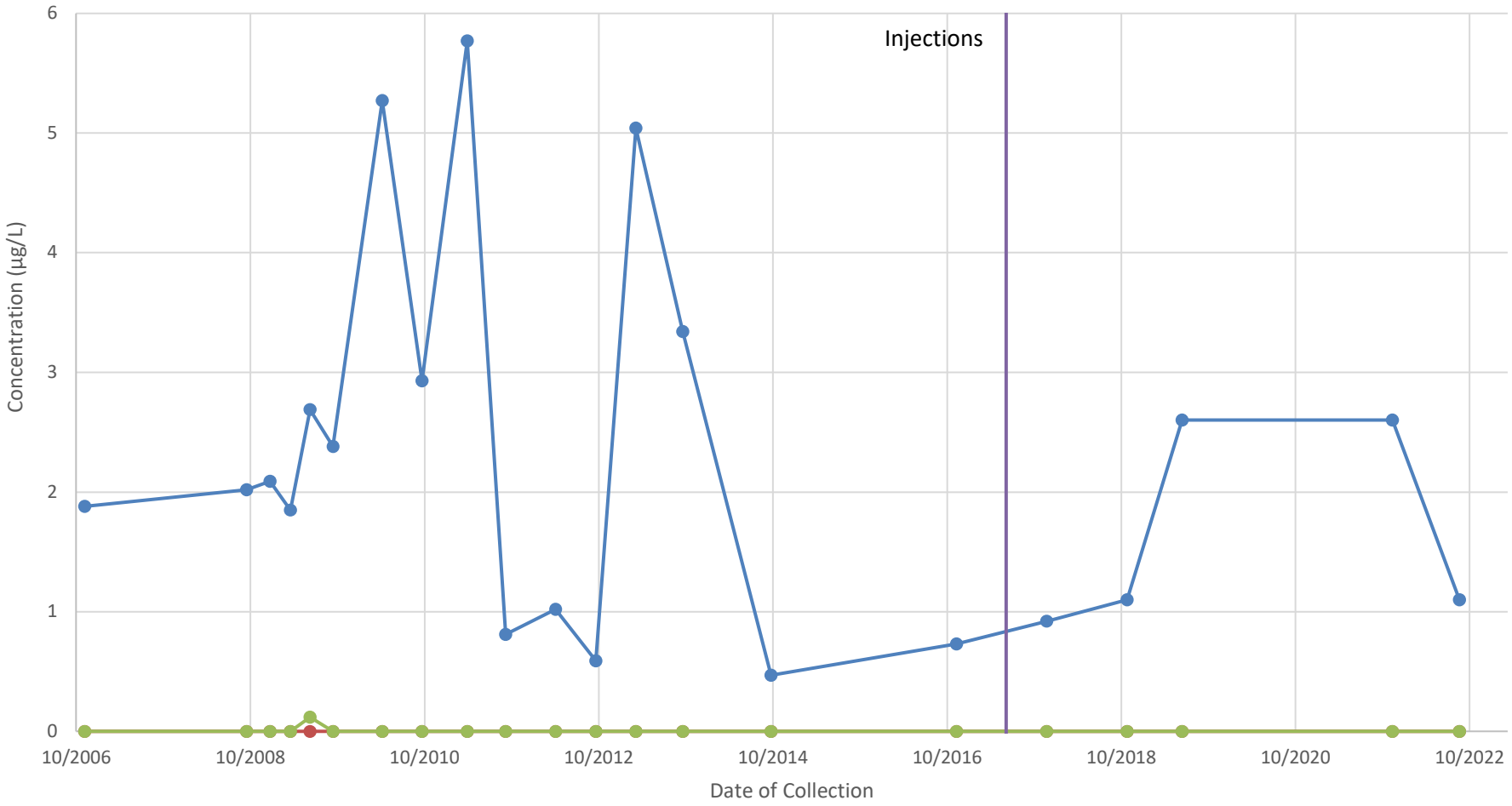
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Figure 2-6 SD052-01 Apron 2 Chlorinated Plume Trend Chart for 782VMW-121



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Figure 2-7 SD052-01 Apron 2 Chlorinated Plume Trend Chart for 782VMW-101



Note: TCE and cis-1,2-DCE are both not detected on this graph, TCE markers are obscured by the cis-1,2-DCE markers.

Trichloroethene (TCE) cis-1,2-Dichloroethene (DCE) Vinyl chloride (VC)

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3 SD052-02 BUILDING 775 (BUILDINGS 774 AND 776)

3.1 Site Background

Site SD052-02 is considered the Building 775 TCE plume and is located downgradient of former maintenance facilities in Buildings 774 and 776 and the former fuel pump house Building 775 (**Figure 3-1**). In 1994, as part of an RI and baseline risk assessment (LAW, December 1996), a soil-gas and groundwater survey was completed along with collection of surface and subsurface soil samples. The investigation included an area of approximately 15 acres surrounding Building 774 and former Building 775. Based on results of the RI, the source of the TCE contamination was determined to be the TCE vat storage area used when Building 774 was an armaments and electronics shop. The vat storage area was located inside of Building 774. An exterior waste solvent drum staging area was located on the southeast side of the building, adjacent to the vat storage area. The primary COC exceeding NYSDEC AWQ S/GV at site SD052-02 is TCE with minor detections of COCs 1,1,1-trichloroethane (TCA); 1,1-dichloroethane (DCA); 1,2-DCA; and chloroform. Most of the SD052-02 plume appears to have migrated south toward Landfill 6 (site SD052-04).

The contaminated aquifer is comprised of silty sands with an average thickness extending from 60 feet bgs to 120 feet bgs where shale bedrock is encountered. Due to a relatively flat gradient, average groundwater velocities at this site are slow and have been estimated at approximately 10 feet per year. Contamination is not found in the bedrock. The general absence of cis-1,2-DCE in the SD052-02 Building 775 plume confirms that reductive dechlorination is not occurring (Ecology and Environment Engineering, P.C. [EEEPC], February 2008).

3.2 Remedial Action Summary

The Final RAWP (Parsons, July 2008) provides details on the selected remedy which is groundwater extraction with discharge to an off-site treatment facility. The groundwater extraction system was designed to contain the contaminant plume (defined as TCE concentrations greater than 50 µg/L) and extract the contaminants from the aquifer. Initially, one extraction well (775EW-1) was installed but deemed inappropriate for groundwater extraction. It was replaced by extraction well 775EW-1R along with an additional extraction well (775EW-3) in Fall 2008 prior to system startup in January 2009. The original extraction well 775EW-1 was converted to a monitoring well prior to initial sampling in April 2009. Extraction wells 775EW-1R and 775EW-3 were connected to a force main and the extracted contaminated groundwater was discharged to the existing sanitary sewer system for treatment at the City of Rome Water Pollution Control Facility (FPM, July 2009).

Operation of the groundwater extraction and discharge system was initiated on January 5, 2009. The system was fine tuned in January through March 2009 and continued to operate until it was shut down in August 2016. As part of a pilot study, 12 injection wells were installed and subsequently used for permanganate injections in June 2017. The implementation and results of the pilot study were detailed in the *Final Technical Memorandum Site SD052-02* [In-Situ Chemical Oxidation] *ISCO Pilot Study, Former Griffiss Air Force Base, Rome, New York* (Bhate, July 2019).

3.3 PM Sampling Plan

The 2022 PM sampling was conducted to monitor the progress of the groundwater extraction and permanganate injection remedial efforts and included seven monitoring wells (775VMW-4, 775VMW-5, 775MW-6, 775VMW-8, 775VMW-9, 775VMW-10, and 775-MW20) as shown on **Figure 3-1**. Samples were analyzed for VOCs. Monitoring well 775-VMW20R was not sampled due to access issues.

3.4 PM Results

The 2022 PM analytical data for site COCs are summarized below and in **Table 3-1**. Water quality parameters (ORP, DO, and pH) are also presented in **Table 3-1**. Monitoring wells are presented from the upgradient/head of the contaminant plume from the source area near Buildings 774 and 776 to the downgradient area near Landfill 6 as shown on **Figure 3-1**. The approximate CVOC plume based on August 2022 analytical results is included as **Figure 3-2**.

Depth to water measurements and calculated groundwater elevations are provided in **Table 3-2**. The potentiometric surface map is included as **Figure 3-3**.

- Monitoring well 775VMW-4: TCE (6.1 µg/L) was detected above NYSDEC AWQ S/GV (5 µg/L) in 2022 representing an increase from 2020 results (4.6 J µg/L).
- Monitoring well 775VMW-5: TCE (31.2 µg/L) was detected above NYSDEC AWQ S/GV in 2022 representing a decrease from 2020 results (37 J µg/L normal/39 J µg/L field duplicate).
- Monitoring well 775MW-6: TCE (26 µg/L) was detected above NYSDEC AWQ S/GV in 2022 indicating no change from 2020 results (26 J µg/L); chloroform (0.36 J µg/L) was detected below NYSDEC AWQ S/GV (7 µg/L) consistent with 2020 results (0.65 J µg/L).
- Monitoring well 775VMW-8: TCE (25.1 µg/L) was detected above NYSDEC AWQ S/GV representing an increase from 2020 results (19 J µg/L); 1,1,1-TCA (0.42 J µg/L) was detected below NYSDEC AWQ S/GV (5 µg/L) consistent with 2020 results (0.40 J µg/L).
- Monitoring well 775VMW-9: TCE (20.5 µg/L normal/19.8 µg/L field duplicate) was detected above NYSDEC AWQ S/GV in 2022 indicating no change from 2020 results (20 J µg/L); chloroform (0.55 J µg/L normal/0.57 J µg/L field duplicate) was detected below NYSDEC AWQ S/GV consistent with 2020 results (0.65 J µg/L).
- Monitoring well 775VMW-10: TCE (38.1 µg/L) was detected above NYSDEC AWQ S/GV in 2022 indicating a decrease from 2020 results (42 J µg/L); chloroform (0.41 J µg/L) and 1,1,1-TCA (0.41 J µg/L) were detected below their respective NYSDEC AWQ S/GV consistent with 2020 results (0.77 J µg/L and 0.45 J µg/L, respectively).
- Monitoring well 775-MW20: TCE (60.7 µg/L) was detected above NYSDEC AWQ S/GV in 2022 representing a decrease from 2020 results (71 J µg/L); 1,1,1-TCA (0.53 J µg/L) was detected below NYSDEC AWQ S/GV consistent with 2020 results (0.81 J µg/L); 1,1-DCA (2.5 µg/L) was detected below NYSDEC AWQ S/GV (5 µg/L) consistent with 2020 results (2.5 µg/L); 1,2-DCA (0.33 J µg/L) was detected below NYSDEC AWQ S/GV (0.6 µg/L), whereas

the 2020 result was reported as non-detect at 0.4 U µg/L; cis-1,2-DCE (0.58 J µg/L) was detected below NYSDEC AWQ S/GV (5 µg/L) consistent with 2020 results (0.54 J µg/L).

- 775-VMW20R was not sampled in 2022 due to complications with the protective casing lock preventing well access. All site COCs were reported as non-detect from this location in 2020.

3.5 Analysis and Discussion

TCE in groundwater has historically exceeded NYSDEC AWQ S/GV at Site SD052-02. During the 2022 PM event, TCE was detected above screening criteria in all seven monitoring wells sampled. The concentration of TCE ranged from 6.1 µg/L at upgradient monitoring well 775VMW-4 to 60.7 µg/L at downgradient monitoring well 775-MW20. Five other CVOCs (1,1,1-TCA; 1,1-DCA; 1,2-DCA; chloroform; and cis-1,2-DCE) were reported at concentrations below their respective NYSDEC AWQ S/GV.

ORP measurements ranged from -60 mV at 775-MW20 to 102 at 775VMW-5 but were mostly positive. DO concentrations at the site were generally aerobic except at the upgradient (775VMW-4 at 0.53 mg/L) and downgradient (775VMW-9 at 0.69 mg/L and 775-MW20 at 0.90 mg/L) extents of the plume, with values ranging from 3.89 mg/L (775VMW-8) to 7.33 mg/L (775VMW-5) in the center of the plume. The pH values were within the -neutral range (5 to 9 SU) and ranged from 6.62 SU (775MW-6) to 7.06 SU (775VMW-5).

3.5.1 Trend Charts

Trend charts for TCE in upgradient monitoring wells (775VMW-5, 775MW-6, and 775VMW-8) and downgradient monitoring wells (775VMW-9, 775VMW-10, and 775-MW20) are included as **Figure 3-4** and **Figure 3-5**, respectively. Well locations are shown on **Figure 3-1**.

The monitoring wells in the upgradient portion of the plume (775VMW-5, 775MW-6, and 775VMW-8) indicate an overall decreasing trend since 2006; trends following the June 2017 ISCO injections exhibit stable conditions. Although TCE concentration showed a slight increase from 2020 to 2022 in 775VMW-8, 775VMW-5 reported lower TCE concentrations than previous years, and 775MW-6 reported a similar TCE concentration as previous years.

In the downgradient portion of the plume, the concentration of TCE in 775-MW20 (60.7 µg/L) decreased in 2022 relative to 2020, which is significantly higher than the concentrations reported in the upgradient wells. The reported value was within the historical range of detections at 775-MW20. The trend for monitoring wells 775VMW-9 and 775VMW-10 demonstrate overall stable or decreasing trends.

3.5.2 Data Validation Summary

The only QC issue identified during the data validation of the laboratory results was MS percent recovery outliers for parent sample 775MW-6-0822. Reported results for target analytes 1,3-dichloropropane, 4-chlorotoluene, bromobenzene, bromomethane, dibromochloro-methane, and n-butylbenzene for sample 775MW-6-0822 were qualified as estimated (flagged 'J'/UJ') due to the percent recovery outliers. All data were determined to be usable as qualified.

3.6 Conclusions

The selected remedy at Site SD052-02 is groundwater extraction within the 50 µg/L total VOC plume area, as it existed in 2004, and discharge to an off-site treatment facility followed by LTM. An August 2016 routine inspection found the system to be offline in alarm state. A September 2016 inspection identified evidence of corrosion in a transducer connection. Based on total VOC concentrations remaining below 50 µg/L and evaluation of other remedial alternatives at that time, the system was not restarted (Bhate, December 2020).

Concentrations of TCE within the upgradient (**Figure 3-4**) and downgradient (**Figure 3-5**) portions of the contaminant plume have remained stable and below 50 µg/L since operation of the groundwater extraction system ceased in 2016 and following the 2017 ISCO injections. TCE, the primary VOC in groundwater, remains present at concentrations above the NYSDEC AWQ S/GV in all monitoring wells sampled in 2022, but below 50 µg/L. The exception to this is at downgradient well 775-MW20 where the TCE concentration has increased following completion of remedial activities, but significant concentration fluctuations have been observed at this location over time.

Although separated from Three Mile Creek by downgradient Site SD052-04 Landfill TCE Site, no VOCs were identified in surface water samples (see **Section 4**). This indicates that contaminant migration from Site SD052-02, in compliance with the RAO, is not adversely impacting surface water in Three Mile Creek.

3.7 Recommendations

Following evaluation of the 2022 data, the sampling plan at site SD052-02 should proceed on a biennial basis to next occur in Fall 2024. Sampling should be conducted at the following locations and as described in **Table 3-3**.

- Upgradient monitoring wells 775VMW-4 and 775VMW-5
- Mid-plume monitoring wells 775MW-6 and 775VMW-8
- Downgradient monitoring wells 775VMW-9, 775VMW-10, and 775-MW20
- Downgradient sentry monitoring well 775-VMW20R with repair/replacement of lock

A site assessment report will be prepared to address remediation progress at the site and will include a remediation timeline, site status, and an evaluation of the current remediation methods.

Table 3-1 SD052-02 Building 775 Comparison Summary of COC Results

Analyte/ Field Parameter	NYSDEC AWQ S/GV (µg/L)	2022 Result	2020 Result
		775VMW-4	
TCE (µg/L)	5	**6.1**	**4.6 J**
ORP (mV)	---	-3	156
DO (mg/L)	---	0.53	0.81
pH (SU)	---	6.70	6.66
		775VMW-5	
TCE (µg/L)	5	**31.2**	**37 J/39 J** [1]
ORP (mV)	---	102	128
DO (mg/L)	---	7.33	5.20
pH (SU)	---	7.06	7.60
		775MW-6	
TCE (µg/L)	5	**26**	**26 J**
Chloroform (µg/L)	7	**0.36 J**	**0.65 J**
ORP (mV)	---	86	189
DO (mg/L)	---	4.71	3.70
pH (SU)	---	6.62	7.41
		775VMW-8	
TCE (µg/L)	5	**25.1**	**19 J**
1,1,1-TCA (µg/L)	5	**0.42 J**	**0.40 J**
ORP (mV)	---	69	79
DO (mg/L)	---	3.89	1.69
pH (SU)	---	6.90	7.70
		775VMW-9	
TCE (µg/L)	5	**20.5/19.8** [1]	**20 J**
Chloroform (µg/L)	7	**0.55 J/0.57 J** [1]	**0.65 J**
ORP (mV)	---	42	95
DO (mg/L)	---	0.69	0.39
pH (SU)	---	6.69	7.28
		775VMW-10	
TCE (µg/L)	5	**38.1**	**42 J**
1,1,1-TCA (µg/L)	5	**0.41 J**	**0.45 J**
Chloroform (µg/L)	7	**0.41 J**	**0.77 J**
ORP (mV)	---	92	202
DO (mg/L)	---	6.64	4.61
pH (SU)	---	6.93	7.54

Analyte/ Field Parameter	NYSDEC AWQ S/GV (µg/L)	2022 Result	2020 Result
		775-MW20	
TCE	5	**60.7**	**71 J**
cis-1,2-DCE	5	**0.58 J**	**0.54 J**
1,1,1-TCA	5	**0.53 J**	**0.81 J**
1,1-DCA	5	**2.5**	**2.5**
1,2-DCA	0.6	**0.33 J**	0.4 U
ORP (mV)	---	-60	53
DO (mg/L)	---	0.90	0.73
pH (SU)	---	6.84	7.58

Notes:
[1] = normal/field duplicate result
µg/L = microgram per liter
mg/L = milligram per liter
mV = millivolt
SU = standard units
DCA = dichloroethane
DCE = dichloroethene
TCA = trichloroethane
TCE = trichloroethene
DO = dissolved oxygen
ORP = oxidation reduction potential
pH = potential of hydrogen
Bold analytical results indicate detection
Highlighted analytical results indicate detection above NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998), Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Table 3-2 SD052-02 Building 775 Groundwater Elevations (August 2022)

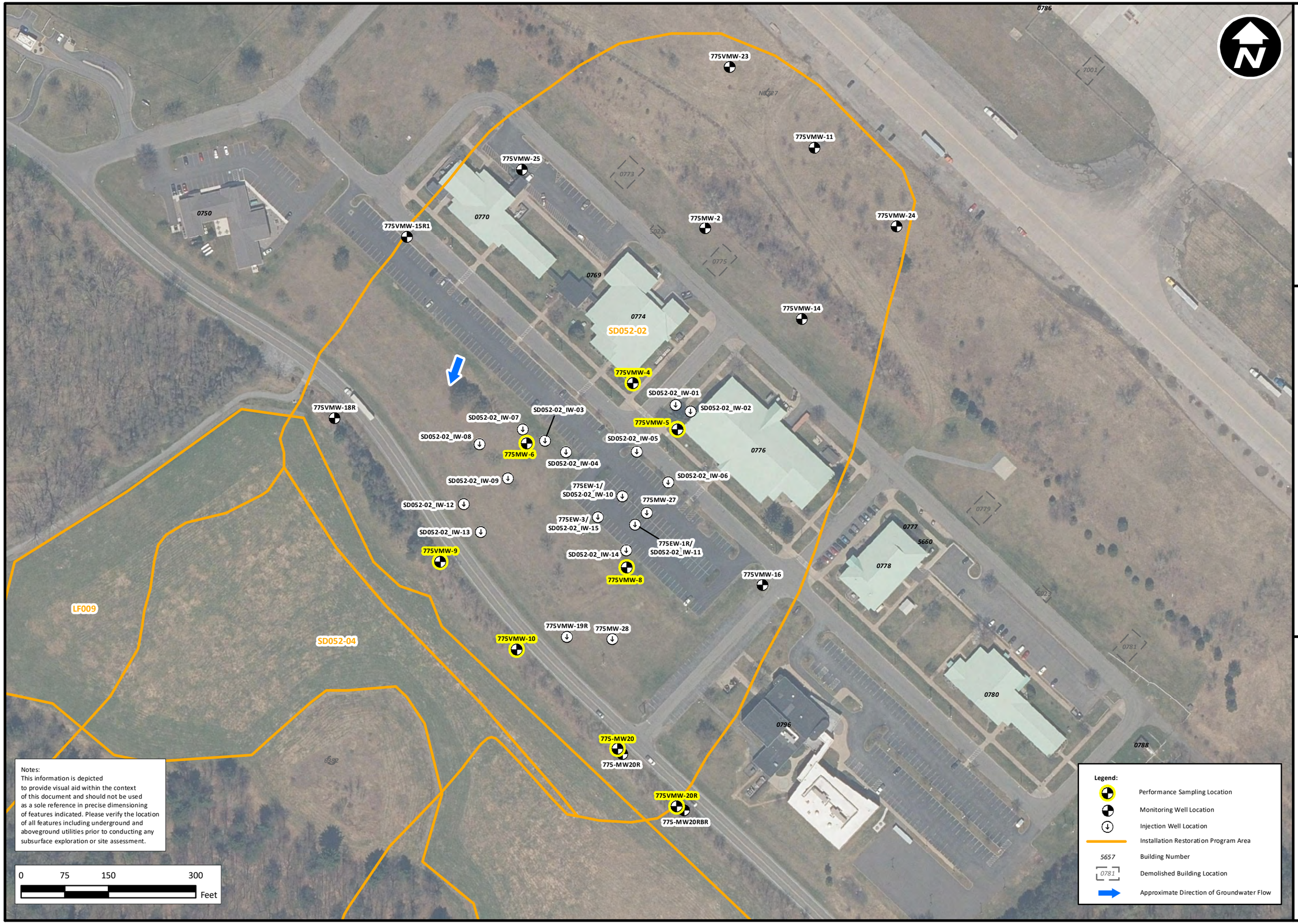
Well Identification	Depth to Water (feet btoc)	Top of Casing (feet amsl)	Groundwater Elevation (feet amsl)
775VMW-4	58.06	518.51	460.45
775VMW-5	58.95	518.64	459.69
775MW-6	58.35	518.02	459.67
775VMW-8	59.45	518.22	458.77
775VMW-9	57.05	513.63	456.58
775VMW-10	59.45	517.22	457.77
775-MW20	63.35	520.35	457.00
775VMW-20R	Not measured	519.48	Not measured

Notes:
amsl = above mean sea level
btoc = below top of casing

Table 3-3 SD052-02 Building 775 Performance Monitoring Plan (Fall 2024)

Sample Location	Sample Type	Required Analysis
775VMW-4	Groundwater	Volatile organic compounds
775VMW-5	Groundwater	
775MW-6	Groundwater	
775VMW-8	Groundwater	
775VMW-9	Groundwater	
775VMW-10	Groundwater	
775-MW20	Groundwater	
775VMW-20R	Groundwater	

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SD052-02 Building 775
Site Map

Figure 3-1

2022 Annual Performance Monitoring Report
On-Base Groundwater Remediation
Former Griffiss Air Force Base, Rome, New York

DRAWN BY: MRM/CM

DATE: 8/1/2023

SCALE: As Shown

PROJECT NO: MSC2021.0012.2008.0002

bhate

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Service Layer Credits: NYS ITS GIS Program Office, Westchester County GIS

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Analyte	NYSDEC AWQS/GV (µg/L)
TCE	5

Notes:
TCE - trichloroethene
20.5/19.8 - normal/field duplicate sample result
µg/L - micrograms per liter
Red analytical results exceed NYSDEC AWQS/GV criteria
NYSDEC AWQS/GV - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998), Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

775VMW-4	
Analyte	Result (µg/L)
TCE	6.1

775VMW-5	
Analyte	Result (µg/L)
TCE	31.2

775MW-6	
Analyte	Result (µg/L)
TCE	26

775VMW-9	
Analyte	Result (µg/L)
TCE	20.5/19.8

775VMW-10	
Analyte	Result (µg/L)
TCE	38.1

775VMW-8	
Analyte	Result (µg/L)
TCE	25.1

775-MW20	
Analyte	Result (µg/L)
TCE	60.7

775VMW-20R (Not Sampled)

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

0 75 150 300 Feet

Legend:
- Performance Sampling Location
- Monitoring Well Location
- Injection Well Location
- Approximate TCE Isocontour (5 µg/L)
- Installation Restoration Program Area
- 5657 Building Number
- 0781 Demolished Building Location
- Approximate Direction of Groundwater Flow

Service Layer Credits: NYS ITS GIS Program Office, Westchester County GIS

SD052-02 Building 775
TCE Plume
(August 2022)

Figure 3-2

2022 Annual Performance Monitoring Report
On-Base Groundwater Remediation
Former Griffiss Air Force Base, Rome, New York

DRAWN BY: MRM/CM
DATE: 8/1/2023
SCALE: As Shown
PROJECT NO: MSC2021.0012.2008.0002

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SD052-02 Building 775
Potentiometric Surface Map
(August 2022)

Figure 3-3

2022 Annual Performance Monitoring Report
On-Base Groundwater Remediation
Former Griffiss Air Force Base, Rome, New York

DRAWN BY: MRM/CM

DATE: 8/1/2023

SCALE: As Shown

PROJECT NO: MSC2021.0012.2008.0002

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SD052-02

SD052-04

LF009

775VMW-4 (460.45)

775VMW-5 (459.69)

775MW-6 (459.67)

775VMW-8 (458.77)

775VMW-9 (456.58)

775VMW-10 (457.77)

775-MW20 (457.00)

775VMW-20R (Not Measured)

460.00

459.00

458.00

457.00

0750 0770 0769 0774 0773 0775 0776 0786 7001 0779 0777 5660 0778 0780 0781 0796 0788

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

0 75 150 300 Feet

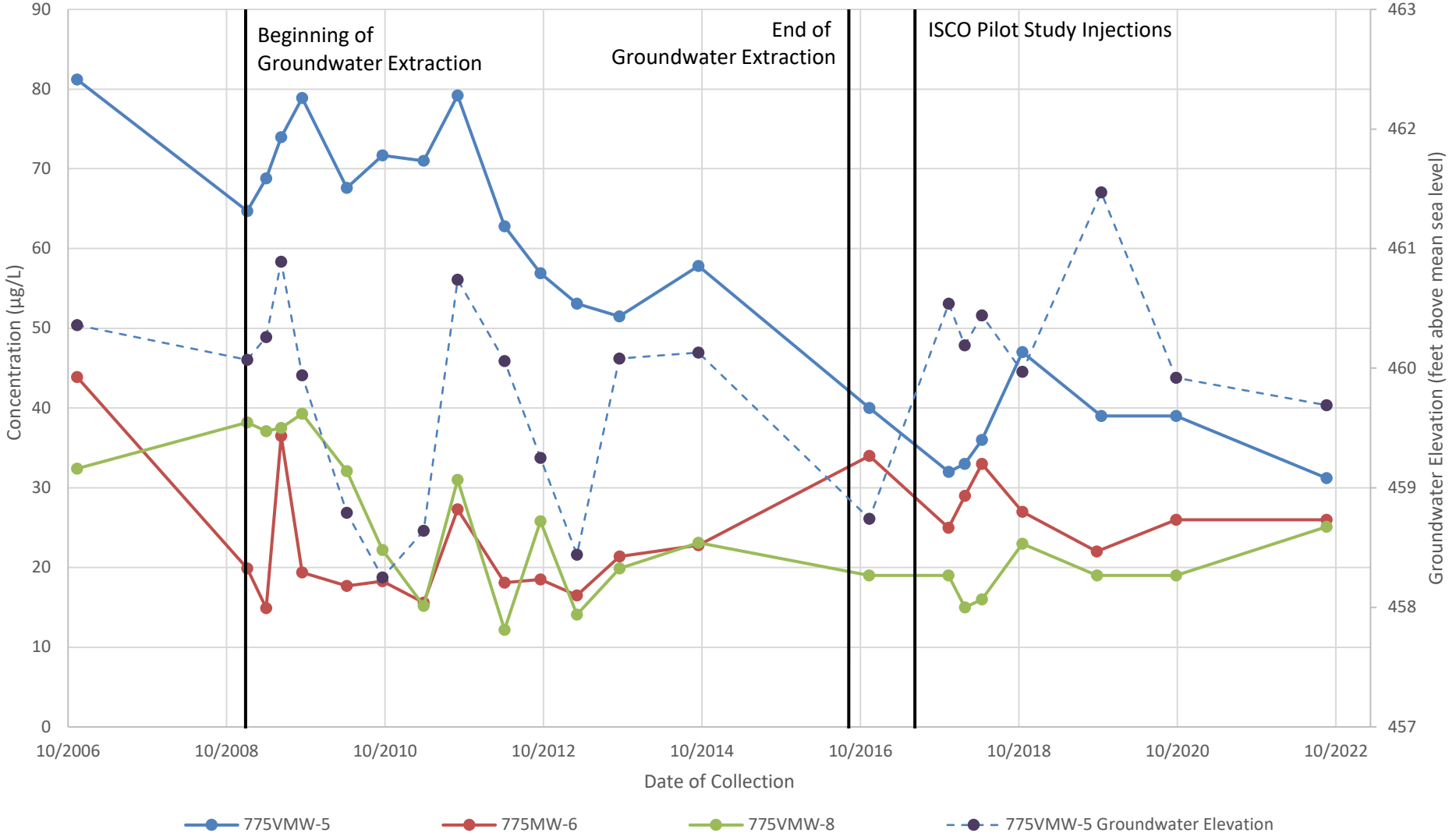
Legend:

- Monitoring Well Location
- Monitoring Well Location (Not Measured)
- Installation Restoration Program Area
- (457.00) Potentiometric Surface Elevation in Feet Above Mean Sea Level
- Potentiometric Surface Contour
- Direction of Groundwater Flow
- 5657 Building Number
- 0781 Demolished Building Location

Service Layer Credits: NYS ITS GIS Program Office, Westchester County GIS

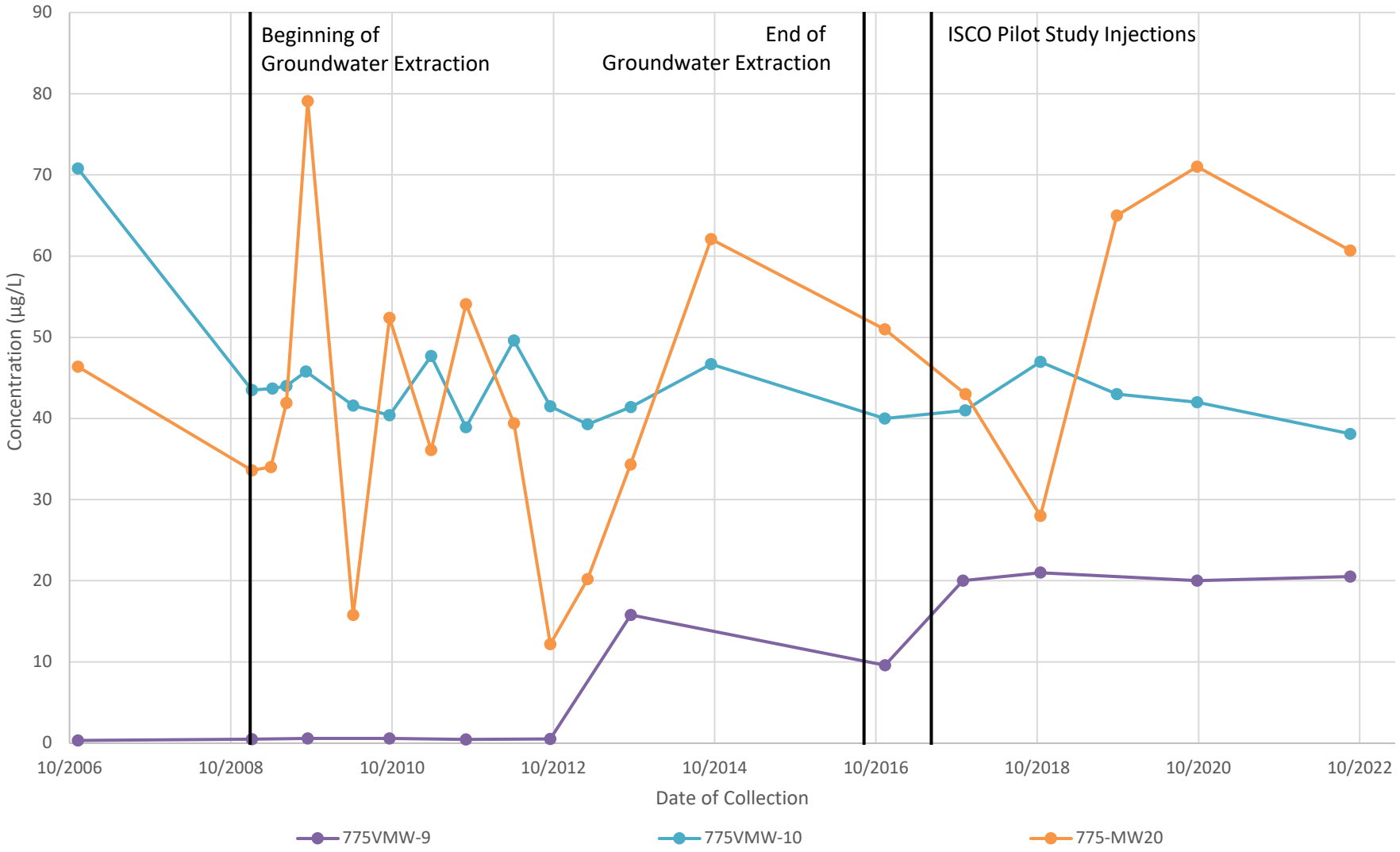
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Figure 3-4 SD052-02 Building 775 TCE Trend Chart (Upgradient)



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Figure 3-5 SD052-02 Building 775 TCE Trend Chart (Downgradient)



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4 SD052-04 LANDFILL 6 TCE SITE

4.1 Site Background

Site SD052-04 is the Landfill 6 TCE Site located downgradient and to the southwest of site LF009 (Landfill 6) (**Figure 4-1**). The most contaminated portion of the plume is located southwest of the landfill beneath the floodplain of Three Mile Creek. Site COCs exceeding the NYSDEC AWQ S/GV are TCE; cis-1,2-DCE; and VC.

The contaminated aquifer is comprised of silty sands with an average saturated thickness of 61 feet. Contamination is not present in the underlying bedrock. Due to a flat gradient, groundwater velocities at this site have been estimated at less than 4 feet per year. In general, the direction of groundwater flow at the site is southwest (Parsons, December 2015).

A groundwater and surface water sampling event was performed from February through April 2007 in accordance with the Final Work Plan for Predesign Investigation (EEEPC, July 2006). The results showed a relatively low concentration TCE plume with a smaller central hotspot with much higher TCE concentrations.

4.2 Remedial Action Summary

The selected remedy for Site SD052-04 is enhanced bioremediation. As listed in the Final RAWP (Parsons, July 2008), this process is intended to increase biodegradation of the groundwater contaminants by injecting EVO into the aquifer. The EVO injections were performed at injection wells LF6IW-01 through LF6IW-06 (**Figure 4-1**) in July 2008, August 2010, and again in October 2013. These injection wells are in a cluster slightly upgradient of the monitoring wells in the hot spot (LF6MW-16, LF6MW-17, and LF6MW-20). In July 2018, four additional injection wells (SD052-04-IW01, SD052-04-IW02, SD052-04-IW03, and SD052-04-IW04) were installed within and upgradient of the hotspot and were subsequently used to inject additional carbon substrate.

4.3 PM Sampling Plan

The 2022 PM sampling was conducted to monitor the progress of enhanced bioremediation at the site and included 13 monitoring wells (LF6MW-12, LF6MW-16, LF6MW-17, LF6MW-20, LF6MW-39, LF6VMW-13R, LF6MW-13RD, LF6TW-33, LF6TW-34, LF6TW-35, LF6TW-36, LF6TW-38, and LF6VMW-26) and one surface water location (LF6-SW1PM) as shown on **Figure 4-1**. Samples were analyzed for VOCs, dissolved gases, DOC and TOC, and sulfate.

4.4 PM Results

The 2022 PM analytical data for site COCs and other commonly detected VOCs compared to prior sampling results are summarized below and in **Table 4-1**. Water quality parameters (ORP, DO, and pH) are also presented in **Table 4-1**. Monitoring well results are presented from the upgradient/head of the contaminant plume to the downgradient/toe of the plume near Three Mile Creek; well locations are shown on **Figure 4-1**. The approximate CVOC plumes are included on **Figure 4-2**.

Depth to water measurements and calculated groundwater elevations are provided in **Table 4-2**. The potentiometric surface map is included as **Figure 4-3**.

- Monitoring well LF6TW-34: TCE (10.7 µg/L) was detected above NYSDEC AWQ S/GV (5 µg/L) in 2022 representing a decrease from 2020 results (17 D µg/L); cis-1,2-DCE (83.1 µg/L) was detected above NYSDEC AWQ S/GV (5 µg/L) representing a decrease from 2020 results (140 D µg/L); trans-1,2-DCE (7.5 µg/L) was detected above NYSDEC AWQ S/GV (5 µg/L) representing an increase from 2020 results (4.7 D µg/L); and VC was non-detect in 2022 consistent with 2020 reporting.
- Monitoring well LF6TW-33: TCE (92.6 J µg/L) was detected above NYSDEC AWQ S/GV representing a decrease from 2020 results (130 µg/L); cis-1,2-DCE (52.1 µg/L) was detected above NYSDEC AWQ S/GV representing a decrease from 2020 results (57 µg/L); and VC was reported as non-detect at 0.5 µg/L compared to 0.46 J µg/L in 2020.
- Monitoring well LF6TW-35: TCE (17.9 µg/L) was detected above NYSDEC AWQ S/GV representing an increase from 2020 results (14 µg/L); cis-1,2-DCE (3.5 µg/L) was detected below NYSDEC AWQ S/GV consistent with 2020 results (2.7 µg/L); and VC was non-detect in 2022 consistent with 2020 reporting.
- Monitoring well LF6MW-12: TCE was reported as non-detect at 2.5 µg/L representing a significant decrease from 23 D µg/L reported in 2020; cis-1,2-DCE (227 µg/L) was detected above NYSDEC AWQ S/GV representing a decrease from 2020 results (320 D µg/L); trans-1,2-DCE (7.9 µg/L) was detected above NYSDEC AWQ S/GV representing a decrease from 2020 results (19 D µg/L); and VC was non-detect in 2022 consistent with 2020 reporting. Methylene chloride (29.6 µg/L) was detected above NYSDEC AWQ S/GV (5 µg/L), an increase from the non-detect result reported in 2020.
- Monitoring well LF6MW-16: TCE (8 J µg/L normal/25.5 J µg/L field duplicate) was detected above NYSDEC AWQ S/GV representing a decrease from 2020 results (120 D µg/L normal/100 D field duplicate); cis-1,2-DCE (205 J µg/L/204 µg/L) was detected above NYSDEC AWQ S/GV representing a slight decrease from 2020 results (230 D µg/L/260 D µg/L); trans-1,2-DCE (5 J µg/L/6.7 µg/L) was detected above NYSDEC AWQ S/GV representing a decrease from 2020 results (14 D µg/L/15 D µg/L); and VC (5.9 J µg/L/6.4 µg/L) was detected above NYSDEC AWQ S/GV representing an increase from 2020 results (2.5 J D µg/L/2.9 J D µg/L).
- Monitoring well LF6MW-17: TCE (4.2 µg/L) was detected below NYSDEC AWQ S/GV representing a decrease from 2020 results (37 D µg/L normal/33 D µg/L field duplicate); cis-1,2-DCE (30.8 µg/L) was detected above NYSDEC AWQ S/GV representing a decrease from 2020 results (250 D µg/L/240 D µg/L); trans-1,2-DCE (5 µg/L) was detected at NYSDEC AWQ S/GV representing a decrease from 2020 results (54 D µg/L/52 D µg/L); VC (0.78 J µg/L) was detected below NYSDEC AWQ S/GV representing a decrease from 2020 results (4.9 D µg/L/5.1 D µg/L).
- Monitoring well LF6MW-20: TCE (0.65 J µg/L) was detected below NYSDEC AWQ S/GV representing a decrease from 2020 results (59 D µg/L); cis-1,2-DCE (82.9 µg/L) was detected

above NYSDEC AWQ S/GV representing a decrease from 2020 results (330 D µg/L); trans-1,2-DCE (3.3 µg/L) was detected below NYSDEC AWQ S/GV representing a decrease from 2020 results (15 D µg/L); and VC (2.4 µg/L) was detected above NYSDEC AWQ S/GV representing a decrease from 2020 results (13 D µg/L).

- Monitoring well LF6TW-36: TCE (111 J µg/L) was detected above NYSDEC AWQ S/GV representing a decrease from 2020 results (180 µg/L); cis-1,2-DCE (23.1 J µg/L) was detected above NYSDEC AWQ S/GV representing a decrease from 2020 results (31 µg/L); trans-1,2-DCE (1.1 J µg/L) was reported below NYSDEC AWQ S/GV consistent with 2020 results (1.5 µg/L); and VC was non-detect in 2022 consistent with 2020 reporting. Methylene chloride (5.5 J µg/L) was detected above NYSDEC AWQ S/GV representing an increase from non-detect in 2020.
- Monitoring well LF6TW-38: TCE (71.9 µg/L) was detected above NYSDEC AWQ S/GV representing a decrease from 2020 results (83 µg/L); cis-1,2-DCE (19.3 µg/L) was detected above NYSDEC AWQ S/GV consistent with 2020 results (20 µg/L); and VC was non-detect in 2022 consistent with 2020 reporting.
- Monitoring well LF6VMW-26: TCE was non-detect in 2022 consistent with 2020 reporting; cis-1,2-DCE (6.9 µg/L) was detected above NYSDEC AWQ S/GV representing a decrease from 2020 results (140 D µg/L); and VC was non-detect in 2022 consistent with 2020 reporting.
- Monitoring well LF6MW-39: TCE was non-detect in 2022 consistent with 2020 reporting; cis-1,2-DCE (78.8 µg/L) was detected above NYSDEC AWQ S/GV representing an increase from 2020 results (49 µg/L); and VC was non-detect in 2022 consistent with 2020 reporting.
- Monitoring well LF6VMW-13R: with the exception of VC (0.57 J µg/L) in 2022, all other site COCs were non-detect in 2022 consistent with 2018 results (most recent at this location).
- Monitoring well LF6MW-13RD: TCE and cis-1,2-DCE were non-detect in 2022 consistent with 2020 reporting; and VC (2.6 J µg/L) was detected above NYSDEC AWQ S/GV consistent with 2020 results (2.4 µg/L).
- Surface water LF6-SW1PM: TCE; cis-1,2-DCE; and VC were non-detect in 2022 generally consistent with 2020 reporting (cis-1,2-DCE reported at 0.21 J µg/L in 2020).

4.5 Analysis and Discussion

Decreasing concentrations of TCE and cis-1,2-DCE were exhibited in the hotspot monitoring wells LF6MW-16, LF6MW-17, and LF6MW-20. Monitoring well LF6MW-16 continues to show an increasing VC trend while VC concentrations in LF6MW-17 and LF6MW-20 decreased from 2020.

Methane continued to be present at significant concentrations within the TCE plume hotspot; however, these concentrations are lower than those reported in 2020 suggesting the 2018 addition of a carbon source has been successful at accelerating natural degradation of the CVOCs. TCE has significantly decreased in the hot spot where concentrations now fall below the screening criteria for LF6MW-17 and LF6MW-20. The concentration of TCE in upgradient well LF6TW-34 decreased to 10.7 µg/L from 17 D µg/L in 2020; cis-1,2-DCE decreased to 83.1 µg/L from 140 D µg/L; and VC was not-detected in 2022 or 2020. Monitoring well LF6TW-38 continues

to represent the most downgradient location with elevated TCE above NYSDEC AWQ S/GV. Elevated concentrations of cis-1,2-DCE in the most downgradient monitoring well sampled (LF6MW-39 at 78.8 µg/L) does not provide delineation of groundwater; however, surface water sample results from location LF6-SW1PM indicates contamination is not impacting Three Mile Creek.

Sulfate levels across the site in 2022 (provided in **Appendix A**) were generally low, averaging around 24,000 µg/L and ranging from 14,600 D µg/L at LF6MW-16 to 35,000 µg/L at LF6TW-35. This suggests that sulfate does not compete as an electron acceptor in reductive dechlorination.

ORP levels in 2022 were generally negative across the site, except for wells LF6TW-35, LF6TW-36, LF6TW-38, and LF6VMW-26, with the negative values ranging from -121 mV at LF6MW-16 to -1 mV at LF6MW-17. DO levels across much of the plume were below 0.5 mg/L except for LF6MW-16 (0.94 mg/L) and LF6VMW-26 (5.95 mg/L). The pH levels varied between 6.21 and 7.56 SU, which is considered optimal for reductive dechlorination (the highest microbial dechlorination rate is normally observed in the near-neutral pH range of 6.5 to 7.5 SU and maintaining pH between 6 to 8 SU is typically recommended).

Based upon dissolved gas analysis, dechlorination is occurring via methanogenesis as methane is detected without ethene. Degradation of TCE and cis-1,2-DCE is still occurring in LF6MW-16 from the July 2018 injection of sodium lactate and EVO as evidenced by TCE and cis-1,2-DCE concentrations continuing to fall and VC concentrations still drastically increasing. The July 2018 injection provided an immediate increase in electron donors (from the sodium lactate) and has also provided electron donors as the EVO ferments.

4.5.1 Trend Charts

Trend charts for TCE; cis-1,2-DCE; and VC in monitoring wells LF6MW-16, LF6MW-17, and LF6MW-20 are provided as **Figure 4-4** through **Figure 4-6**, respectively. Well locations are shown on **Figure 4-1**.

The trend charts show an overall decreasing trend in TCE results between 2006 and 2022. As this parent compound breaks down, concentrations of cis-1,2-DCE and VC fluctuate and eventually decrease. Concentrations of VC in LF6MW-16 have increased since 2015. In LF6MW-17 and LF6MW-20, VC concentrations increased from 2018 to 2020, and decreased in 2022.

4.5.2 Data Validation Summary

Minor QC issues identified during the data validation of the laboratory results included: headspace for samples LF6MW-16-0822, WL-LF6TW-34-0822, and LF6MW-16-0822; field duplicate RPD outliers for methane and TCE; MS percent recovery outlier for bromomethane; MS/MSD RPD outlier for bromomethane; holding time violation for VOCs for sample WL-LF6TW-33-0822; and MS percent recovery outlier for sulfate.

Due to these minor issues, the following results have been reported with the associated qualifiers. Reported results for volatiles for samples LF6MW-16-0822, LF6VMW-13R-0822, LF6VMW-13RD-0822, and LF6TW-36-0822 have been qualified as estimated (flagged 'J/UJ') due

to headspace. Reported results for TCE for field duplicate pair (LF6MW-16-0822 and LF6MW-16-0822-A) have been qualified as estimated (flagged 'J') due to RPD outlier.

Reported result for bromomethane for parent sample LF6TW-33-0822 has been qualified as estimated (flagged 'UJ') due to MS percent recovery outlier. Reported result for TCE for sample LF6TW-33-0822 has been qualified as estimated (flagged 'J') due to holding time violation.

Reported results for methane for field duplicate pair (LF6MW-16-0822 and LF6MW-16-0822-A) have been qualified as estimated (flagged 'J') due to field duplicate RPD outlier. The reported sulfate result for parent sample LF6TW-33-0822 has been qualified as estimated due to MS/MSD recovery outlier. All data were determined to be usable as qualified.

4.6 Conclusions

Historically, a highly anaerobic groundwater zone of methanogenic conditions existed at SD052-04. Injections of sodium lactate and EVO in July 2018 augmented the supply of electron donors and helped to maintain the methanogenic conditions. The concentrations of TCE; cis-1,2-DCE; and VC have decreased in hotspot wells LF6MW-17 and LF6MW-20, while LF6MW-16 continues to demonstrate increasing VC concentrations with TCE and cis-1,2-DCE concentrations decreasing. No VOC concentrations were detected in exceedance of NYSDEC AWQ S/GV in surface water samples. Downgradient monitoring well LF6MW-39 continues to show exceedances of cis-1,2-DCE. Downgradient monitoring wells LF6MW-13RD and LF6MW-39 continue to exhibit the exceedances of cis-1,2-DCE and VC first seen in 2020.

4.7 Recommendations

Following evaluation of the 2022 data, the sampling plan at SD052-04 should proceed on a biennial basis to next occur in Fall 2024. Sampling should be conducted at the following 13 monitoring well locations and one surface water location consistent with the 2022 event and as described in **Table 4-3**:

- Upgradient monitoring wells LF6TW-34, LF6TW-33, and LF6TW-35
- Hotspot monitoring wells LF6MW-12, LF6MW-16, LF6MW-17, and LF6MW-20
- Downgradient monitoring wells LF6TW-36, LF6TW-38, LF6VMW-26, LF6MW-39, LF6VMW-13R, and LF6MW-13RD
- Three Mile Creek surface water sampling location LF6-SW1PM

A site assessment report will be prepared to address remediation progress at the site and will include a remediation timeline, site status, and an evaluation of the current remediation methods.

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Table 4-1 SD052-04 Landfill 6 TCE Site Comparison Summary of COC Results

Analyte/ Field Parameter	NYSDEC AWQ S/GV (µg/L)	2022 Result	2020 Result
		LF6TW-34	
TCE (µg/L)	5	**10.7**	**17 D**
cis-1,2-DCE (µg/L)	5	**83.1**	**140 D**
trans-1,2-DCE (µg/L)	5	**7.5**	**4.7 D**
VC (µg/L)	2	0.5 U	0.4 U
Methane (µg/L)	NC	**7.6**	**6.5**
ORP (mV)	---	-38	-22
DO (mg/L)	---	0.32	0.32
pH (SU)	---	6.33	7.39
		LF6TW-33	
TCE (µg/L)	5	**92.6 J**	**130**
cis-1,2-DCE (µg/L)	5	**52.1**	**57**
VC (µg/L)	2	0.5 U	**0.46 J**
Methane (µg/L)	NC	**5,400**	**6,400**
ORP (mV)	---	-99	-56
DO (mg/L)	---	0.42	1.18
pH (SU)	---	6.56	7.24
		LF6TW-35	
TCE (µg/L)	5	**17.9**	**14**
cis-1,2-DCE (µg/L)	5	**3.5**	**2.7**
VC (µg/L)	2	0.5 U	0.2 U
Methane (µg/L)	NC	**3.5**	**4.0 J**
ORP (mV)	---	42	27
DO (mg/L)	---	0.38	0.38
pH (SU)	---	6.54	7.60
		LF6MW-12	
TCE (µg/L)	5	2.5 U	**23 D**
cis-1,2-DCE (µg/L)	5	**227**	**320 D**
trans-1,2-DCE (µg/L)	5	**7.9**	**19 D**
VC (µg/L)	2	2.5 U [1]	0.4 U
Methylene chloride (µg/L)	5	**29.6**	4 U
Methane (µg/L)	NC	**18,200**	**20,000**
ORP (mV)	---	-108	-68
DO (mg/L)	---	0.28	0.00
pH (SU)	---	6.28	6.81

Analyte/ Field Parameter	NYSDEC AWQ S/GV (µg/L)	2022 Result	2020 Result
	LF6MW-16		
TCE (µg/L)	5	**8 J/25.5 J** [2]	**120 D/100 D** [2]
cis-1,2-DCE (µg/L)	5	**205 J/204** [2]	**230 D /260 D** [2]
trans-1,2-DCE (µg/L)	5	**5 J/6.7** [2]	**14 D/15 D** [2]
VC (µg/L)	2	**5.9 J/6.4** [2]	**2.5 J D/2.9 J D** [2]
Methane (µg/L)	NC	**143 J/9,430 J** [2]	**12,000/9,000** [2]
ORP (mV)	---	-121	-36
DO (mg/L)	---	0.94	0.00
pH (SU)	---	6.21	6.79
	LF6MW-17		
TCE (µg/L)	5	**4.2**	**37 D/33 D** [2]
cis-1,2-DCE (µg/L)	5	**30.8**	**250 D/240 D** [2]
trans-1,2-DCE (µg/L)	5	**5**	**54 D/52 D** [2]
VC (µg/L)	2	**0.78 J**	**4.9 D/5.1 D** [2]
Methane (µg/L)	NC	**888**	**13,000/11,000** [2]
ORP (mV)	---	-1	-33
DO (mg/L)	---	0.33	0.00
pH (SU)	---	6.43	6.94
	LF6MW-20		
TCE (µg/L)	5	**0.65 J**	**59 D**
cis-1,2-DCE (µg/L)	5	**82.9**	**330 D**
trans-1,2-DCE (µg/L)	5	**3.3**	**15 D**
VC (µg/L)	2	**2.4**	**13 D**
Methane (µg/L)	NC	**1,040**	**8,800**
ORP (mV)	---	-88	-59
DO (mg/L)	---	0.33	0.00
pH (SU)	---	6.45	6.75
	LF6TW-36		
TCE (µg/L)	5	**111 J**	**180**
cis-1,2-DCE (µg/L)	5	**23.1 J**	**31**
trans-1,2-DCE (µg/L)	5	**1.1 J**	**1.5**
VC (µg/L)	2	1 UJ	0.2 U
Methylene chloride (µg/L)	5	**5.5 J**	2 U
Methane (µg/L)	NC	**0.49 J**	2 U
ORP (mV)	---	76	21
DO (mg/L)	---	0.37	0.23
pH (SU)	---	6.85	7.86

Analyte/ Field Parameter	NYSDEC AWQ S/GV (µg/L)	2022 Result	2020 Result
LF6TW-38			
TCE (µg/L)	5	**71.9**	**83**
cis-1,2-DCE (µg/L)	5	**19.3**	**20**
VC (µg/L)	2	0.5 U	0.2 U
Methane (µg/L)	NC	**0.43 J**	2 U
ORP (mV)	---	14	119
DO (mg/L)	---	0.30	0.44
pH (SU)	---	6.69	7.96
LF6VMW-26			
TCE (µg/L)	5	0.5 U	0.8 U
cis-1,2-DCE (µg/L)	5	**6.9**	**140 D**
VC (µg/L)	2	0.5 U	0.4 U
Methane (µg/L)	NC	**0.4 J**	**1.7 J**
ORP (mV)	---	70	-96
DO (mg/L)	---	5.95	0.41
pH (SU)	---	7.56	7.80
LF6MW-39			
TCE (µg/L)	5	0.5 U	0.4 U
cis-1,2-DCE (µg/L)	5	**78.8**	**49**
VC (µg/L)	2	0.5 U	0.2 U
Methane (µg/L)	NC	0.25 U	2 U
ORP (mV)	---	-74	-99
DO (mg/L)	---	0.31	0.00
pH (SU)	---	6.97	7.71
LF6VMW-13R [3]			
TCE (µg/L)	5	0.5 UJ	0.4 U
cis-1,2-DCE (µg/L)	5	0.5 UJ	0.4 U
VC (µg/L)	2	**0.57 J**	0.2 U
Methane (µg/L)	NC	**0.81**	0.8 U
ORP (mV)	---	-94	42
DO (mg/L)	---	0.28	4.50
pH (SU)	---	6.86	7.34
LF6MW-13RD			
TCE (µg/L)	5	0.5 UJ	0.4 U
cis-1,2-DCE (µg/L)	5	0.5 UJ	0.4 U
VC (µg/L)	2	**2.6 J**	**2.4**
Methane (µg/L)	NC	**2.5**	**4.1 J**
ORP (mV)	---	-21	-97
DO (mg/L)	---	0.41	0.21
pH (SU)	---	6.21	7.80

Analyte/ Field Parameter	NYSDEC AWQ S/GV (µg/L)	2022 Result	2020 Result
		LF6-SW1PM	
TCE (µg/L)	5	0.5 U	0.4 U
cis-1,2-DCE (µg/L)	5	0.5 U	0.4 U
VC (µg/L)	2	0.5 U	0.2 U
Methane (µg/L)	NC	**37.2**	**20**
ORP (mV)	---	104	43
DO (mg/L)	---	5.68	4.91
pH (SU)	---	6.11	7.88

Notes:

[1] = elevated non-detect result due to dilution
[2] = normal/field duplicate result
[3] = previous results from 2018
µg/L = microgram per liter
mg/L = milligram per liter
mV = millivolt
SU = standard units
DCE = dichloroethene
TCE = trichloroethene
VC = vinyl chloride
DO = dissolved oxygen
ORP = oxidation reduction potential
pH = potential of hydrogen
Bold analytical results indicate detection
Highlighted analytical results indicate detection above NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998), Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Table 4-2 SD052-04 Landfill 6 TCE Site Groundwater Elevations (August 2022)

Well Identification	Depth to Water (feet btoc)	Top of Casing (feet amsl)	Groundwater Elevation (feet amsl)
LF6TW-34	5.60	460.00	454.40
LF6TW-33	5.99	459.74	453.75
LF6TW-35	5.35	459.27	453.92
LF6MW-12	4.21	457.59	453.38
LF6MW-16	4.05	457.39	453.34
LF6MW-17	4.58	457.96	453.38
LF6MW-20	3.98	457.31	453.33
LF6TW-36	5.39	459.08	453.69
LF6TW-38	7.00	460.53	453.53
LF6VMW-26	4.89	457.90	453.01
LF6MW-39	6.55	458.50	451.95
LF6VMW-13R	1.80	454.66	452.86
LF6MW-13RD	1.30	453.41	452.11

Notes:
amsl = above mean sea level
btoc = below top of casing

Table 4-3 SD052-04 Landfill 6 TCE Site Performance Monitoring Plan (Fall 2024)

Sample Location	Sample Type	Required Analyses
LF6TW-34	Groundwater	Volatile organic compounds, dissolved gases, dissolved organic carbon, total organic carbon, sulfate
LF6TW-33	Groundwater	
LF6TW-35	Groundwater	
LF6MW-12	Groundwater	
LF6MW-16	Groundwater	
LF6MW-17	Groundwater	
LF6MW-20	Groundwater	
LF6TW-36	Groundwater	
LF6TW-38	Groundwater	
LF6VMW-26	Groundwater	
LF6MW-39	Groundwater	
LF6VMW-13R	Groundwater	
LF6MW-13RD	Groundwater	
LF6-SW1PM	Surface Water	

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SD052-04 Landfill 6 TCE Site
Site Map

Figure 4-1



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

Legend:

- Performance Sampling Location
- Monitoring Well Location
- Temporary Monitoring Well Location
- Injection Well Location
- Surface Water Sample Location
- Installation Restoration Program Area
- Former Griffiss Air Force Base Boundary
- 5657 — Building Number
- 0781 — Demolished Building Location
- Approximate Direction of Groundwater Flow

2022 Annual Performance Monitoring Report
On-Base Groundwater Remediation
Former Griffiss Air Force Base, Rome, New York

DRAWN BY: MRM/CM

DATE: 8/17/2023

SCALE: As Shown

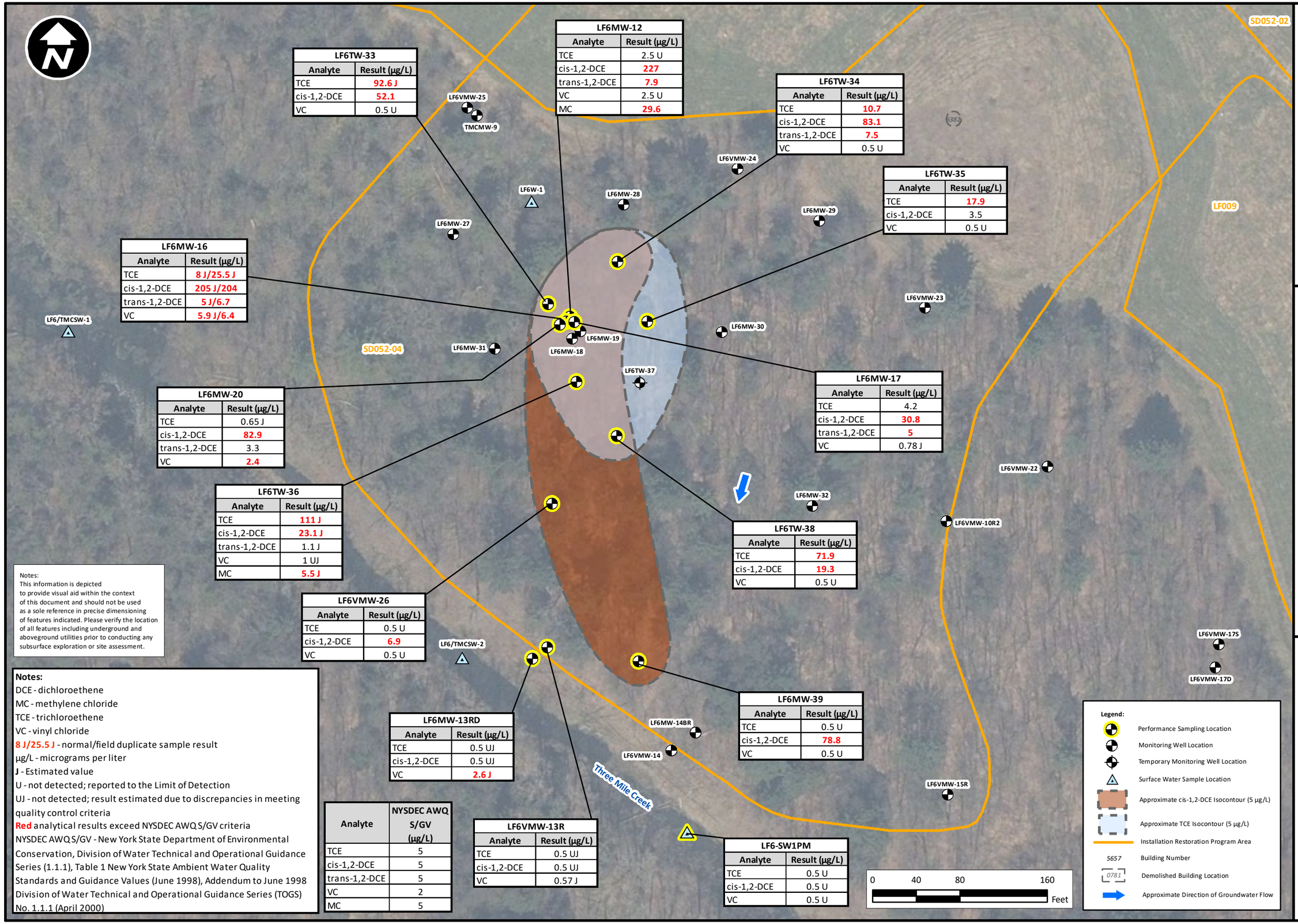
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Notes:
This information is depicted to provide visual aid within the context of this document and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground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

Notes:
DCE - dichloroethene
MC - methylene chloride
TCE - trichloroethene
VC - vinyl chloride
8 J/25.5 J - normal/field duplicate sample result
µg/L - micrograms per liter
J - Estimated value
U - not detected; reported to the Limit of Detection
UJ - not detected; result estimated due to discrepancies in meeting quality control criteria
Red analytical results exceed NYSDEC AWQ S/GV criteria
NYSDEC AWQ S/GV - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998), Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

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SD052-04 Landfill 6 TCE Site Chlorinated Plume (August 2022)

Figure 4-2

2022 Annual Performance Monitoring Report
On-Base Groundwater Remediation
Former Griffiss Air Force Base, Rome, New York

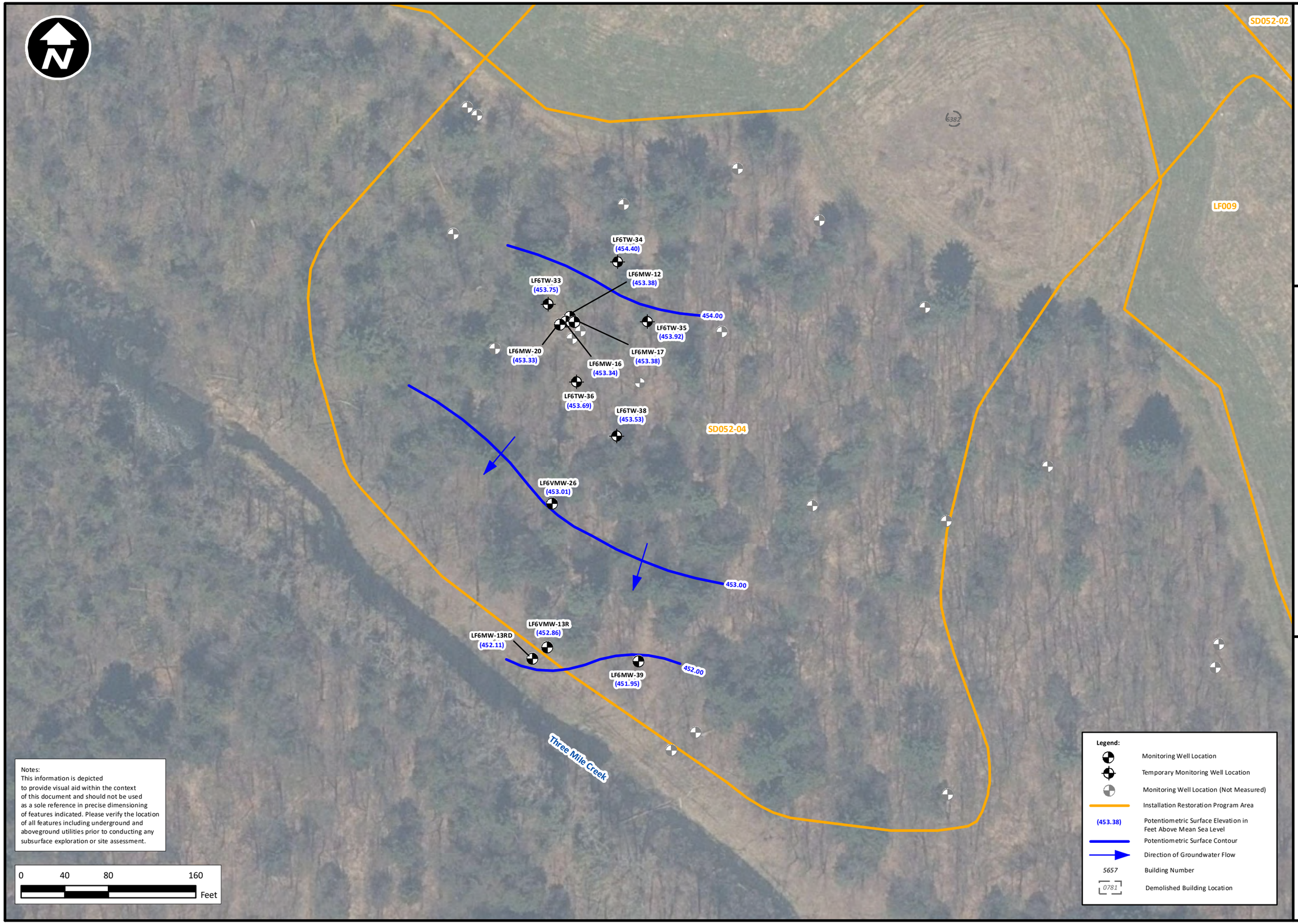
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SCALE: As Shown
PROJECT NO: MSC2021.0012.2008.0002

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SD052-04 Landfill 6 TCE Site Potentiometric Surface Map (August 2022)

Figure 4-3



2022 Annual Performance Monitoring Report
On-Base Groundwater Remediation
Former Griffiss Air Force Base, Rome, New York

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PROJECT NO: MSC2021.0012.2008.0002

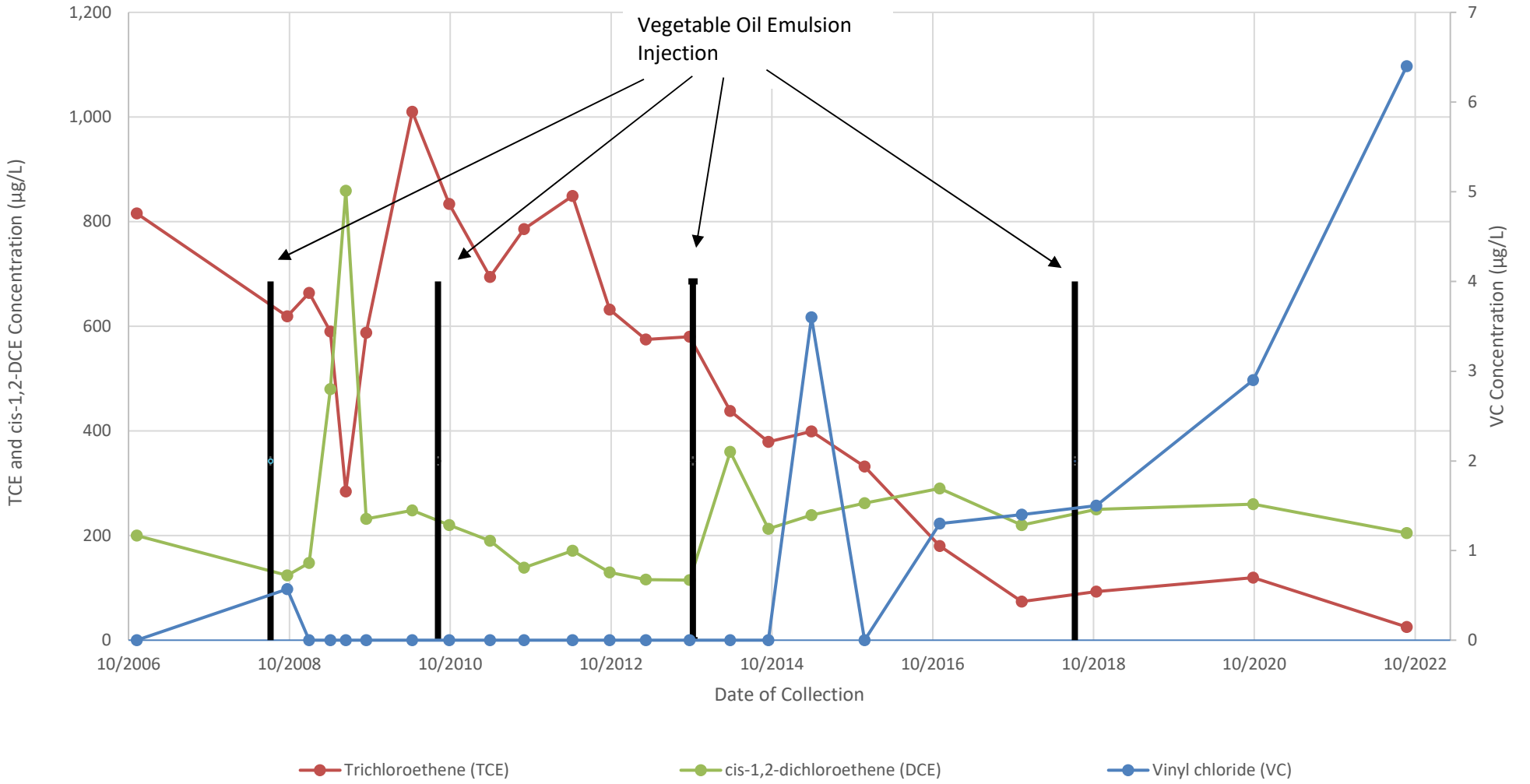
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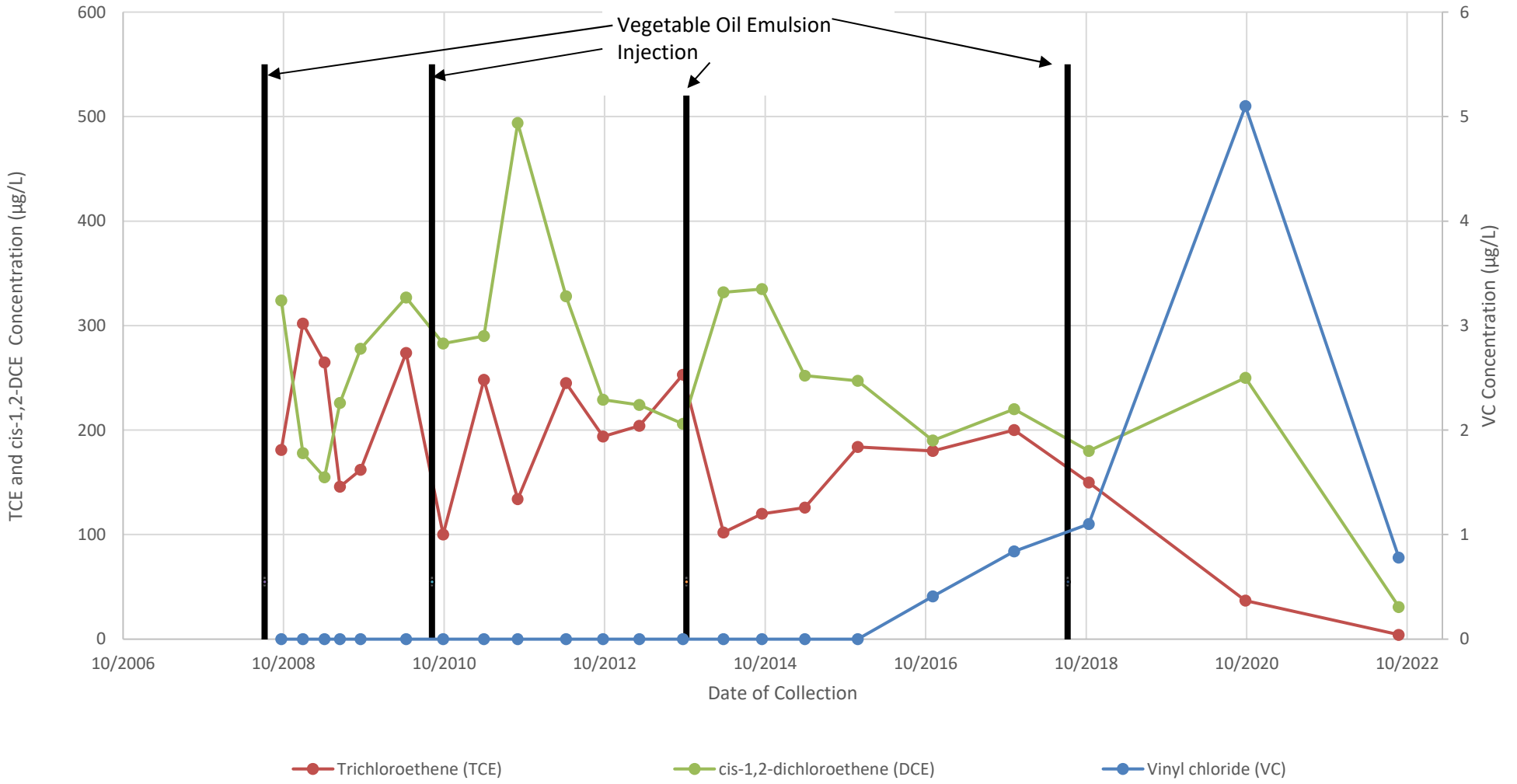
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Figure 4-4 SD052-04 Landfill 6 TCE Site Trend Chart for LF6MW-16



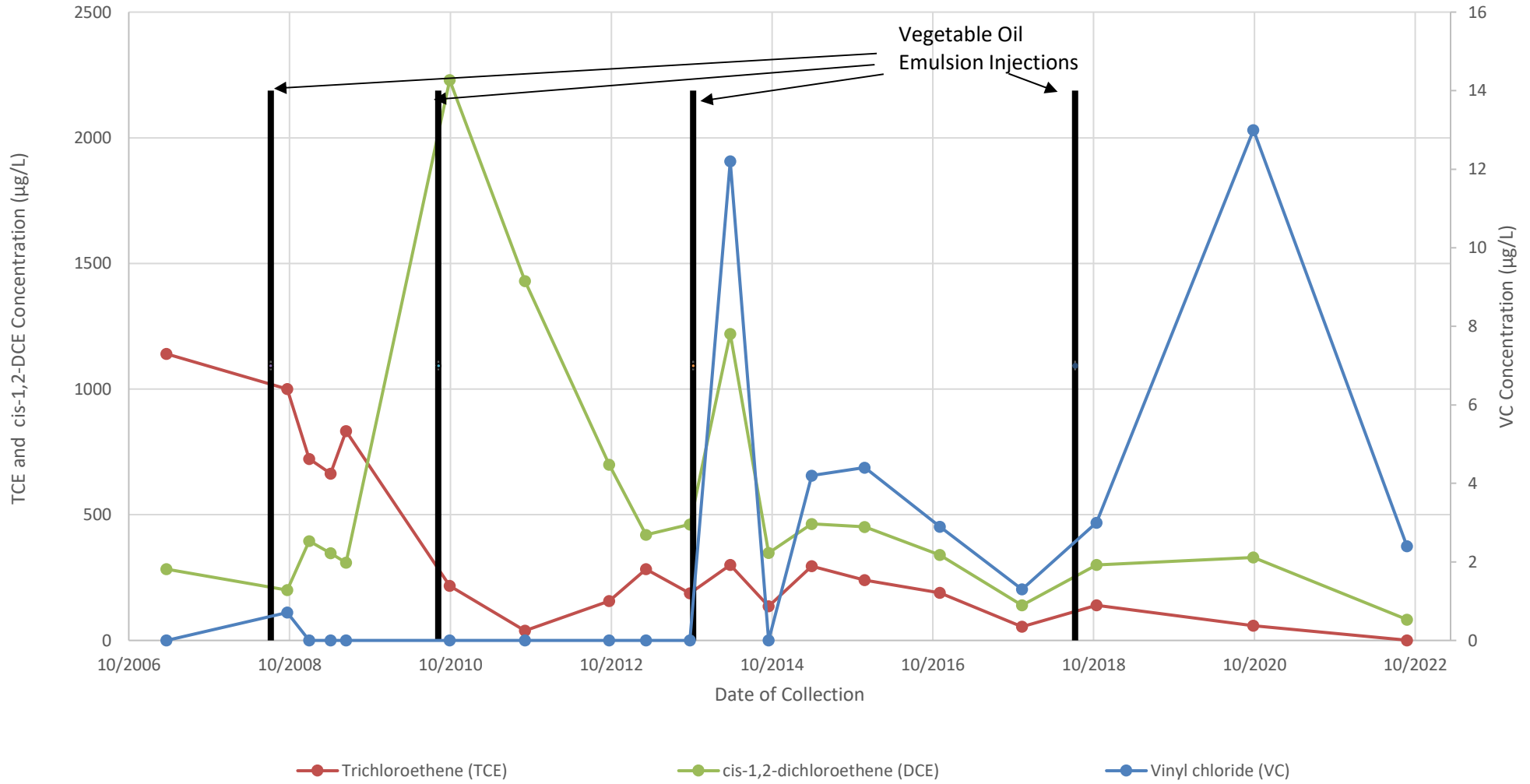
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Figure 4-5 SD052-04 Landfill 6 TCE Site Trend Chart for LF6MW-17



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Figure 4-6 SD052-04 Landfill 6 TCE Site Trend Chart for LF6MW-20



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5 SD052-05 BUILDING 817/WSA

5.1 Site Background

Site SD052-05 is the Building 817/WSA located on the north side of the main runway between Building 817 and the culverted section of SMC, south of the former WSA (**Figure 5-1**). Building 817 was formerly used for electronic parts maintenance. The site COCs exceeding NYSDEC AWQ S/GV are tetrachloroethane (PCE); TCE; cis-1,2-DCE; and VC. Site groundwater flows in a south-southwesterly direction toward the culverted section of SMC. The contaminated aquifer is composed of relatively uniform fine sands that begin 5 feet bgs and extend to shale bedrock at approximately 20 to 25 feet bgs. Contamination has not been found in the bedrock. Groundwater velocities at this site have been estimated as high as 110 feet per year (FPM, July 2014).

5.2 Remedial Action Summary

The selected remedy for Site SD052-05 is enhanced bioremediation. As listed in the Final RAWP (Parsons, July 2008), this process is intended to increase biodegradation of the groundwater contaminants by injecting EVO into the subsurface. The EVO increases the biological breakdown of the chemicals, thereby reducing the concentration of contaminants.

In July 2008 and again in August 2010, EVO was injected at Site SD052-05 in injection wells B817IW-1 through B817IW-8. These injection wells are in a row approximately 10 feet downgradient of the northwestern corner of Building 817

In June 2017, injections were implemented south of Building 817 through the center of the plume and included a mixture EVO, an inoculum of DHC culture, and buffer. This mix was injected into the groundwater via seven DPT injection locations and two previously installed injection wells (WSA-IW03 and WSA-IW04). A summary of the ERD injections, by location, at site SD052-05 can be found in the 2017 PM Report (Bhate, June 2018). The SD052-05 design presented within the Final Remedial Optimization Work Plan (Bhate, March 2017) called for eight DPT injection locations. Due to field issues with injectant daylighting at the ground surface, four of the originally proposed injection points were not advanced (817IP-01, 817IP-03, 817IP-05, and 817IP-06), but rather supplemented with three offset DPT locations (817IP-09, 817IP-10, and 817IP-11) along with two previously installed injection wells (WSA-IW03 and WSA-IW04), located on the north side of Perimeter Road.

The DPT injection points 817IP-02, 817IP-04, and 817IP-07 through 817IP-11 were advanced near monitoring wells WSAMW-16, WSAVMW-17, WSAMW-18, and WSAMW-19. Additionally, injection wells 817IW-03 and 817IW-04 are near monitoring well WSAMW-16. The seven DPT injection points and two previously installed injection well locations where ERD treatment was performed in June 2017 are shown on **Figure 5-1**. Also shown on **Figure 5-1** are the four DPT injection points that were not advanced due to injectant daylighting issues. The temporary injection locations were installed by advancing 2.125-inch outer diameter DPT probe rods equipped with expendable points. Once the probe rods reached the target injection depth, the tool string was retracted, deploying the expendable point, thus allowing injectant to be pumped

through the probe rods and applied to the target depth intervals in the subsurface. Application of injectant into previously installed injection wells was accomplished by adding a threaded fitting to each wellhead, thus allowing injectant to be pumped under pressure down-hole and out into the formation through the well's screened interval. Batches of injectant were mixed in 250-gallon tanks and conveyed down-hole via a Moyno® pump. A summary of the ERD injections at Site SD052-05 can be found in the 2017 PM Report (Bhate, June 2018).

5.3 PM Sampling Plan

The 2022 PM sampling was conducted to monitor the progress of enhanced bioremediation at the site and included nine monitoring wells (817MW-2, 817MW-3, WSAMW-18, WSAMW-16, WSAMW-19, WSAVMW-17, WSAMW-23, WSAMW-21, and WSAMW-9) as shown on **Figure 5-1**. Samples were analyzed for VOCs, dissolved gases, DOC, TOC, and sulfate.

Consistent with prior events, surface water was not sampled in 2022 based on the historical lack of NYSDEC AWQ S/GV exceedances in downgradient monitoring well WSAMW-9. Two manholes located within the plume (MH-1 and MH-2) were visually inspected for signs of groundwater infiltrating the vaults and entering the storm water system; no indication of infiltration was observed.

5.4 PM Results

The 2022 PM analytical data for site COCs (PCE; TCE; cis-1,2-DCE; and VC) and methane are summarized below and in **Table 5-1**. Water quality parameters (ORP, DO, and pH) are also presented in **Table 5-1**. Monitoring wells are presented from upgradient/head of the contaminant plume to downgradient/toe of the plume near the culverted section of SMC; well locations are shown on **Figure 5-1**. The approximate CVOC plumes are included as **Figure 5-2**.

Depth to water measurements and calculated groundwater elevations are provided in **Table 5-2**. The potentiometric surface map is included as **Figure 5-3**.

- Monitoring well 817MW-2: PCE (0.34 J µg/L) was detected below NYSDEC AWQ S/GV (5 µg/L) as compared to non-detect (at 0.4 µg/L) in 2020; TCE (1.7 µg/L) was detected below NYSDEC AWQ S/GV (5 µg/L) representing an increase from non-detect results in 2020; cis-1,2-DCE (5 µg/L) was detected at the NYSDEC AWQ S/GV (5 µg/L) representing an increase from 2020 results (3.1 µg/L); and VC was non-detect in 2022 consistent with 2020 reporting.
- Monitoring well 817MW-3: PCE was non-detect in 2022 consistent with 2020 reporting; TCE (2.4 µg/L) was detected below NYSDEC AWQ S/GV representing an increase from 2020 results (1.7 µg/L); cis-1,2-DCE (5.8 µg/L) was detected above the NYSDEC AWQ S/GV representing a decrease from 2020 results (8.9 µg/L); and VC was non-detect in 2022 consistent with 2020 reporting.
- Monitoring well WSAMW-18: PCE (12.5 µg/L) was detected above NYSDEC AWQ S/GV consistent with 2020 results (13 µg/L); TCE (20.3 µg/L) was detected above NYSDEC AWQ S/GV representing an increase from 2020 results (10 µg/L); cis-1,2-DCE (3.1 µg/L) was

detected below NYSDEC AWQ S/GV representing a decrease from 2020 results (23 µg/L); and VC was reported as non-detect at 0.5 µg/L representing no significant change from 2020 results (0.31 J µg/L).

- Monitoring well WSAMW-16: PCE (7.7 J µg/L normal/8.4 J µg/L field duplicate) was detected above NYSDEC AWQ S/GV consistent with 2020 results (7.9 µg/L/7.1 µg/L); TCE (23.9 J µg/L/23.9 J µg/L) was detected above NYSDEC AWQ S/GV representing an increase from 2020 results (10 µg/L/9.8 µg/L); cis-1,2-DCE (47.7 J µg/L/50.9 J µg/L) was detected above NYSDEC AWQ S/GV representing an increase from 2020 results (27 µg/L/27 µg/L); and VC was non-detect in 2022 consistent with 2020 reporting.
- Monitoring well WSAMW-19: PCE was non-detect in 2022 representing a decrease from 2020 results (8.3 µg/L); TCE (5.3 µg/L) was detected above NYSDEC AWQ S/GV representing a decrease from 2020 results (30 µg/L); cis-1,2-DCE (49.1 µg/L) was detected above NYSDEC AWQ S/GV representing an increase from 2020 results (43 µg/L); and VC was non-detect in 2022 consistent with 2020 reporting.
- Monitoring well WSAVMW-17: PCE was reported as non-detect at 0.5 µg/L representing no significant change from 2020 results (0.26 J µg/L); TCE was reported as non-detect at 0.5 µg/L representing no significant change from 2020 results (0.39 J µg/L); cis-1,2-DCE (35.3 µg/L) was detected above NYSDEC AWQ S/GV representing a decrease from 2020 results (42 µg/L); and VC (14.7 µg/L) was detected above NYSDEC AWQ S/GV representing a significant increase from non-detect results in 2020.
- Monitoring well WSAMW-23 (cross-gradient from WSAVMW-17): All site COCs were non-detect in 2022 consistent with 2020 reporting.
- Monitoring well WSAMW-21: PCE was non-detect in 2022 consistent with 2020 reporting; TCE was non-detect representing a decrease from 2020 reporting (1.4 µg/L); cis-1,2-DCE (1.3 µg/L) was detected below the NYSDEC AWQ S/GV representing a decrease from 2020 results (3.2 µg/L); and VC was non-detect in 2022 consistent with 2020 reporting.
- Monitoring well WSAMW-9: All site COCs were non-detect in 2022 consistent with 2020 reporting.

5.5 Analysis and Discussion

Upgradient monitoring wells 817MW-2 and 817MW-3 continue to exhibit PCE and TCE at concentrations below their NYSDEC AWQ S/GV suggesting minimal source material remains. Concentrations of cis-1,2-DCE are present in these wells at or slightly above NYSDEC AWQ S/GV; VC remains non-detect.

Progressing downgradient, monitoring wells WSAMW-18 and WSAMW-16 showed the highest concentrations of PCE and TCE in 2022 above their NYSDEC AWQ S/GV with WSAMW-16 having the highest cis-1,2-DCE concentration detected. Degradation product VC remained non-detect at these locations. Monitoring well WSAMW-19, approximately 100 feet downgradient of WSAMW-16, demonstrated TCE above NYSDEC AWQ S/GV. Similar concentrations of cis-1,2-DCE were observed in WSAMW-16 and WSAMW-19.

PCE and TCE concentrations in monitoring well WSAVMW-17, approximately 215 feet downgradient of WSAMW-16, were similar in 2022 (non-detect) compared to 2020 results (estimated concentrations), cis-1,2-DCE concentration decreased from 2020 to 2022. VC, historically non-detect or at a concentration below NYSDEC AWQ S/GV since 2006 at WSAMW-17, showed a significant increase from 2020 reporting. Monitoring well WSAMW-23, cross-gradient from WSAVMW-17, was non-detect for all site COCs.

Site COCs in downgradient monitoring wells WSAMW-21 and WSAMW-9 were non-detect, or were reported below NYSDEC AWQ S/GV with decreasing concentrations compared to 2020 results, confirming that contamination is not impacting SMC.

Methane was detected at all monitoring wells with the highest concentration reported at WSAMW-16 (12,000 µg/L normal/10,100 µg/L field duplicate). Methane levels decreased from 2020 in all wells.

At the monitoring wells in and around the plume, ORP levels were generally negative and DO levels were generally near-anaerobic to anaerobic suggesting that reducing conditions are present and therefore methane production is occurring.

DOC levels were low ranging from 450 J µg/L in WSAMW-21 to 1,500 µg/L in WSAMW-9. Sulfate levels ranged from 660 J µg/L in WSAVMW-17 to 6,700 µg/L in WSAMW-9 while being non-detected in 817MW-2, WSAMW-16, and WSAMW-21. Results are provided in **Appendix A**.

5.5.1 Trend Charts

Trend charts for PCE; TCE; cis-1,2-DCE; and VC in monitoring wells WSAMW-16, WSAVMW-17, WSAMW-18, WSAMW-19, and WSAMW-21 are provided as **Figure 5-4** through **Figure 5-8**, respectively. Well locations are shown on **Figure 5-1**.

Following the June 2017 injections, a large decrease in the concentrations of both PCE and TCE, paired with a large increase in their daughter product, cis-1,2-DCE, indicates that degradation of the VOCs throughout the plume is occurring. The VOC degradation is best illustrated in the trend charts for WSAVMW-17 (**Figure 5-5**) and WSAMW-21 (**Figure 5-8**) which shows the PCE and TCE concentrations falling well below the NYSDEC AWQ S/GV and the concentration of degradation product cis-1,2-DCE rapidly increasing and then drastically declining as a result of TCE and PCE mass being sufficiently reduced.

Monitoring well WSAMW-19 (**Figure 5-7**) displays a degradation trend for TCE and PCE and an increasing concentration trend for cis-1,2-DCE. Future sampling results for WSAMW-19 will most likely show the completed degradation of TCE and PCE with the daughter product cis-1,2-DCE declining. However, these trends were not seen in monitoring well WSAMW-16 where all three VOCs are displaying an increasing trend (**Figure 5-4**). Monitoring well WSAMW-18 (**Figure 5-6**) differed as well with an increasing TCE concentration and decreasing PCE and cis-1,2-DCE concentrations.

5.5.2 Data Validation Summary

Minor QC issues identified during the data validation of the laboratory results included headspace in volatile vials for samples WSA-MW16-0822, WSA-MW16-0822-A (duplicate sample of WSA-MW16-0822), WSA-MW9-0822, and WSA-TB01-0822-C (trip blank); laboratory blank contamination (2-butanone); laboratory control sample (LCS) recovery outliers; and MS/MSD recovery outliers.

No reported results have been qualified due to the blank contamination, LCS recovery or MS/MSD recovery outliers. Reported results for samples WSA-MW16-0822, WSA-MW16-0822-A, WSA-MW9-0822, and WSA-TB01-0822-C have been qualified as estimated (flagged 'J/UJ') due to headspace. All the data were determined to be usable as qualified.

5.6 Conclusions

Overall reductions in PCE and TCE concentrations with an increase in degradation product cis-1,2-DCE have been observed at WSAMW-18, WSAMW-16, WSAMW-19, WSAVMW-17, and WSAMW-21 since the EVO injections conducted in 2008, 2010, 2013, and 2017. Downgradient monitoring well WSAVMW-17 is the only location with VC observed with an absence of PCE and TCE. The lack of VC detection in the upgradient wells and presence of VC in downgradient well WSAVMW-17, paired with the presence of elevated methane levels, indicates that CVOC degradation of PCE and TCE is progressing via methanogenesis.

However, since the 2018 and 2020 monitoring events, PCE and TCE concentrations in WSAMW-18 and WSAMW-16, the most upgradient wells to be targeted by the 2017 EVO injections, are showing increasing PCE and TCE contaminant trends indicating that the bioremediation injectates are being depleted and/or migrating downgradient as expected. This is supported by the order of magnitude decrease of cis-1,2-DCE and three-order of magnitude decrease in methane concentration (10,000 µg/L to 9 µg/L) from the 2020 to 2022 monitoring events observed in WSAMW-18.

The continued absence of all site COCs since 2006 in the most downgradient well WSAMW-9 (**Appendix A-5**), indicates that SMC is not being impacted by contaminant migration from Site SD052-05, in compliance with the RAO.

5.7 Recommendations

Following evaluation of the 2022 data, the sampling plan should proceed on a biennial basis to next occur in Fall 2024. Sampling should be conducted at the following nine monitoring well locations consistent with the 2022 event and as described in **Table 5-3:**

- Source area/head of plume monitoring wells 817MW-2, 817MW-3, WSAMW-18, and WSAMW-16
- Mid-plume monitoring wells WSAMW-19 and WSAVMW-17
- Downgradient monitoring wells WSAMW-23, WSAMW-21, and WSAMW-9

- Surface water sampling at SMC is not recommended based on absence of site COC detected at WSAMW-9 since 2006 (**Appendix A-5**)

A site assessment report will be prepared to address remediation progress at the site and will include a remediation timeline, site status, and an evaluation of the current remediation methods.

Table 5-1 SD052-05 Building 817/WSA Comparison Summary of COC Results

Analyte/ Field Parameter	NYSDEC AWQ S/GV (µg/L)	2022 Result	2020 Result
		817MW-2	
PCE (µg/L)	5	**0.34 J**	0.4 U
TCE (µg/L)	5	**1.7**	0.4 U
cis-1,2-DCE (µg/L)	5	**5**	**3.1**
VC (µg/L)	2	0.5 U	0.2 U
Methane (µg/L)	NC	**8,740**	**9,900**
ORP (mV)	---	14	-43
DO (mg/L)	---	0.40	0.45
pH (SU)	---	5.82	6.11
		817MW-3	
PCE (µg/L)	5	0.5 U	0.4 U
TCE (µg/L)	5	**2.4**	**1.7**
cis-1,2-DCE (µg/L)	5	**5.8**	**8.9**
VC (µg/L)	2	0.5 U	0.2 U
Methane (µg/L)	NC	**5,470**	**6,200**
ORP (mV)	---	-90	-90
DO (mg/L)	---	0.50	0.22
pH (SU)	---	6.02	6.76
		WSAMW-18	
PCE (µg/L)	5	**12.5**	**13**
TCE (µg/L)	5	**20.3**	**10**
cis-1,2-DCE (µg/L)	5	**3.1**	**23**
VC (µg/L)	2	0.5 U	0.31 J
Methane (µg/L)	NC	**9**	**10,000**
ORP (mV)	---	-31	-77
DO (mg/L)	---	2.22	0.00
pH (SU)	---	6.43	6.79
		WSAMW-16	
PCE (µg/L)	5	**7.70 J/8.40 J** [1]	**7.9/7.1** [1]
TCE (µg/L)	5	**23.9 J/23.9 J** [1]	**10/9.8** [1]
cis-1,2-DCE (µg/L)	5	**47.7 J/50.9 J** [1]	**27/27** [1]
VC (µg/L)	2	0.5 UJ/0.5 UJ [1]	0.2 U/0.2 U [1]
Methane (µg/L)	NC	**12,000/10,100** [1]	**2.100/2,300** [1]
ORP (mV)	---	-105	-58
DO (mg/L)	---	0.34	0.00
pH (SU)	---	6.30	6.71

Analyte/ Field Parameter	NYSDEC AWQ S/GV (µg/L)	2022 Result	2020 Result
		WSAMW-19	
PCE (µg/L)	5	0.5 U	**8.3**
TCE (µg/L)	5	**5.3**	**30**
cis-1,2-DCE (µg/L)	5	**49.1**	**43**
VC (µg/L)	2	0.5 U	0.2 U
Methane (µg/L)	NC	**291**	**1,200**
ORP (mV)	---	-26	65
DO (mg/L)	---	0.56	0.36
pH (SU)	---	6.75	7.44
		WSAVMW-17	
PCE (µg/L)	5	0.5 U	**0.26 J**
TCE (µg/L)	5	0.5 U	**0.39 J**
cis-1,2-DCE (µg/L)	5	**35.3**	**42**
VC (µg/L)	2	**14.7**	0.2 U
Methane (µg/L)	NC	**10,300**	**15,000**
ORP (mV)	---	-54	-65
DO (mg/L)	---	0.17	0.12
pH (SU)	---	6.55	6.70
		WSAMW-23	
PCE (µg/L)	5	0.5 U	0.4 U
TCE (µg/L)	5	0.5 U	0.4 U
cis-1,2-DCE (µg/L)	5	0.5 U	0.4 U
VC (µg/L)	2	0.5 U	0.2 U
Methane (µg/L)	NC	**1.5**	**10**
ORP (mV)	---	3	-18
DO (mg/L)	---	0.89	0.66
pH (SU)	---	6.89	9.81
		WSAMW-21	
PCE (µg/L)	5	0.5 U	0.4 U
TCE (µg/L)	5	0.5 U	**1.4**
cis-1,2-DCE (µg/L)	5	**1.3**	**3.2**
VC (µg/L)	2	0.5 U	0.2 U
Methane (µg/L)	NC	**3,930**	**8,400**
ORP (mV)	---	-145	-50
DO (mg/L)	---	0.76	1.60
pH (SU)	---	6.70	7.25

Analyte/ Field Parameter	NYSDEC AWQ S/GV (µg/L)	2022 Result	2020 Result
		WSAMW-9	
PCE (µg/L)	5	0.5 UJ	0.4 U
TCE (µg/L)	5	0.5 UJ	0.4 U
cis-1,2-DCE (µg/L)	5	0.5 UJ	0.4 U
VC (µg/L)	2	0.5 UJ	0.2 U
Methane (µg/L)	NC	**3,900**	**5,300**
ORP (mV)	---	-63	-26
DO (mg/L)	---	0.37	0.64
pH (SU)	---	6.43	7.28

Notes:
[1] = normal/field duplicate result
µg/L = microgram per liter
mg/L = milligram per liter
mV = millivolt
SU = standard units
DCE = dichloroethene
PCE = tetrachloroethene
TCE = trichloroethene
VC = vinyl chloride
DO = dissolved oxygen
ORP = oxidation reduction potential
pH = potential of hydrogen
Bold analytical results indicate detection
Highlighted analytical results indicate detection above NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998), Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

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Table 5-2 SD052-05 Building 817/WSA Groundwater Elevations (August 2022)

Well Identification	Depth to Water (feet btoc)	Top of Casing (feet amsl)	Groundwater Elevation (feet amsl)
817MW-2	11.55	521.06	509.51
817MW-3	10.55	519.80	509.25
WSAMW-18	7.90	516.89	508.99
WSAMW-16	4.80	514.18	509.38
WSAMW-19	11.90	513.07	501.17
WSAVMW-17	16.35	511.39	495.04
WSAMW-23	23.05	519.92	496.87
WSAMW-21	20.69	511.68	490.99
WSAMW-9	6.22	484.19	477.97

Notes:
amsl = above mean sea level
btoc = below top of casing

Table 5-3 SD052-05 Building 817/WSA Performance Monitoring Plan (Fall 2024)

Sample Location	Sample Type	Required Analyses
817MW-2	Groundwater	Volatile organic compounds, dissolved gases, dissolved organic carbon, total organic carbon, sulfate
817MW-3	Groundwater	
WSAMW-18	Groundwater	
WSAMW-16	Groundwater	
WSAMW-19	Groundwater	
WSAVMW-17	Groundwater	
WSAMW-23	Groundwater	
WSAMW-21	Groundwater	
WSAMW-9	Groundwater	

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SD052-05 Building 817/WSA Site Map

Figure 5-1

2022 Annual Performance Monitoring Report
On-Base Groundwater Remediation
Former Griffiss Air Force Base, Rome, New York

DRAWN BY: MRM/CM

DATE: 8/1/2023

SCALE: As Shown

PROJECT NO: MSC2021.0012.2008.0002

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817IW-1
817IW-2
817IW-3
817IW-4
817IW-5
817IW-6
817IW-7
817IW-8
817MW-1
817MW-2
817MW-3
MH-2
817IP-01
817IP-09
MH-1
817IP-02
WSAMW-18
817IP-03
WSA-IW03
817IP-04
WSA-IW02
WSA-IW04
WSA-IW01
WSA-MW15
WSAMW-11
WSAMW-16

0 17.5 35 Feet

WSAMW-2
6328
0810
WSAMW-14BR
WSAMW-8
0817
0818
0816
817IP-05
LAWMW-9
MH-3
817IP-10
817IP-06
817IP-07
WSAMW-19
817IP-08
817IP-11
WSAVMW-17
SD052-05
WSAMW-23
0830
WSAMW-21
0819
WSA-SW1PM
WSAMW-13BR
WSAMW-9
WSAMW-12BR
WSA-SW2PM
WSA-SW3PM
6020

0 75 150 300 Feet

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

Legend:

- Performance Sampling Location
- DPT Injection Point - Completed (June 2017)
- DPT Injection Point - Not Completed (June 2017)
- Previously Installed DPT Injection Point - Completed
- Monitoring Well Location
- Injection Well Location
- Surface Water Sample Location
- Manhole Sample Location
- Installation Restoration Program Area
- Culvert / Stormwater Drain (Six Mile Creek)
- 5657 Building Number
- Approximate Direction of Groundwater Flow

Service Layer Credits: NYS ITS GIS Program Office, Westchester County GIS

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Notes:
DCE - dichloroethene
PCE - tetrachloroethene
TCE - trichloroethene
VC - vinyl chloride
7.7 J/8.4 J - normal/field duplicate sample result
µg/L - micrograms per liter
J - Estimated value
U - not detected; reported to the Limit of Detection
UJ - not detected; result estimated due to discrepancies in meeting quality control criteria
Red analytical results exceed NYSDEC AWQ S/GV criteria
NYSDEC AWQ S/GV - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998), Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Analyte	NYSDEC AWQ S/GV (µg/L)
PCE	5
TCE	5
cis-1,2-DCE	5
VC	2

WSAMW-18	
Analyte	Result (µg/L)
PCE	**12.5**
TCE	**20.3**
cis-1,2-DCE	3.1
VC	0.5 U

817MW-2	
Analyte	Result (µg/L)
PCE	0.34 J
TCE	1.7
cis-1,2-DCE	**5**
VC	0.5 U

WSAVMW-17	
Analyte	Result (µg/L)
PCE	0.5 U
TCE	0.5 U
cis-1,2-DCE	**35.3**
VC	**14.7**

817MW-3	
Analyte	Result (µg/L)
PCE	0.5 U
TCE	2.4
cis-1,2-DCE	**5.8**
VC	0.5 U

WSAMW-16	
Analyte	Result (µg/L)
PCE	**7.7 J/8.4 J**
TCE	**23.9 J/23.9 J**
cis-1,2-DCE	**47.7 J/50.9 J**
VC	0.5 UJ/0.5 UJ

WSAMW-9	
Analyte	Result (µg/L)
PCE	0.5 UJ
TCE	0.5 UJ
cis-1,2-DCE	0.5 UJ
VC	0.5 UJ

WSAMW-19	
Analyte	Result (µg/L)
PCE	0.5 U
TCE	**5.3**
cis-1,2-DCE	**49.1**
VC	0.5 U

WSAMW-21	
Analyte	Result (µg/L)
PCE	0.5 U
TCE	0.5 U
cis-1,2-DCE	1.3
VC	0.5 U

WSAMW-23	
Analyte	Result (µg/L)
PCE	0.5 U
TCE	0.5 U
cis-1,2-DCE	0.5 U
VC	0.5 U

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

0 50 100 200 Feet

Legend:
- Performance Sampling Location
- Monitoring Well Location
- Manhole Sample Location
- Approximate cis-1,2-DCE Isocontour (5 µg/L)
- Approximate PCE and TCE Isocontours (5 µg/L)
- Installation Restoration Program Area
- 5657 Building Number
- Approximate Direction of Groundwater Flow

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SD052-05 Building 817/WSA Chlorinated Plume (August 2022)

Figure 5-2

2022 Annual Performance Monitoring Report
On-Base Groundwater Remediation
Former Griffiss Air Force Base, Rome, New York

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DATE: 8/1/2023
SCALE: As Shown
PROJECT NO: MSC2021.0012.2008.0002

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SD052-05 Building 817/WSA Potentiometric Surface Map (August 2022)

Figure 5-3

6328
0810
0817
0818
0816
0830
0819
817MW-2 (509.51)
817MW-3 (509.25)
WSAMW-18 (508.99)
WSAMW-16 (509.38)
WSAMW-19 (501.17)
WSAVMW-17 (495.04)
WSAMW-23 (496.87)
WSAMW-21 (490.99)
WSAMW-9 (477.97)
SD052-05
505.00
500.00
495.00
490.00
485.00
480.00

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

0 50 100 200 Feet

Legend:

- Monitoring Well Location
- Monitoring Well Location (Not Measured)
- Installation Restoration Program Area
- (509.51) Potentiometric Surface Elevation in Feet Above Mean Sea Level
- Potentiometric Surface Contour
- Direction of Groundwater Flow
- 5657 Building Number
- 0781 Demolished Building Location

2022 Annual Performance Monitoring Report
On-Base Groundwater Remediation
Former Griffiss Air Force Base, Rome, New York

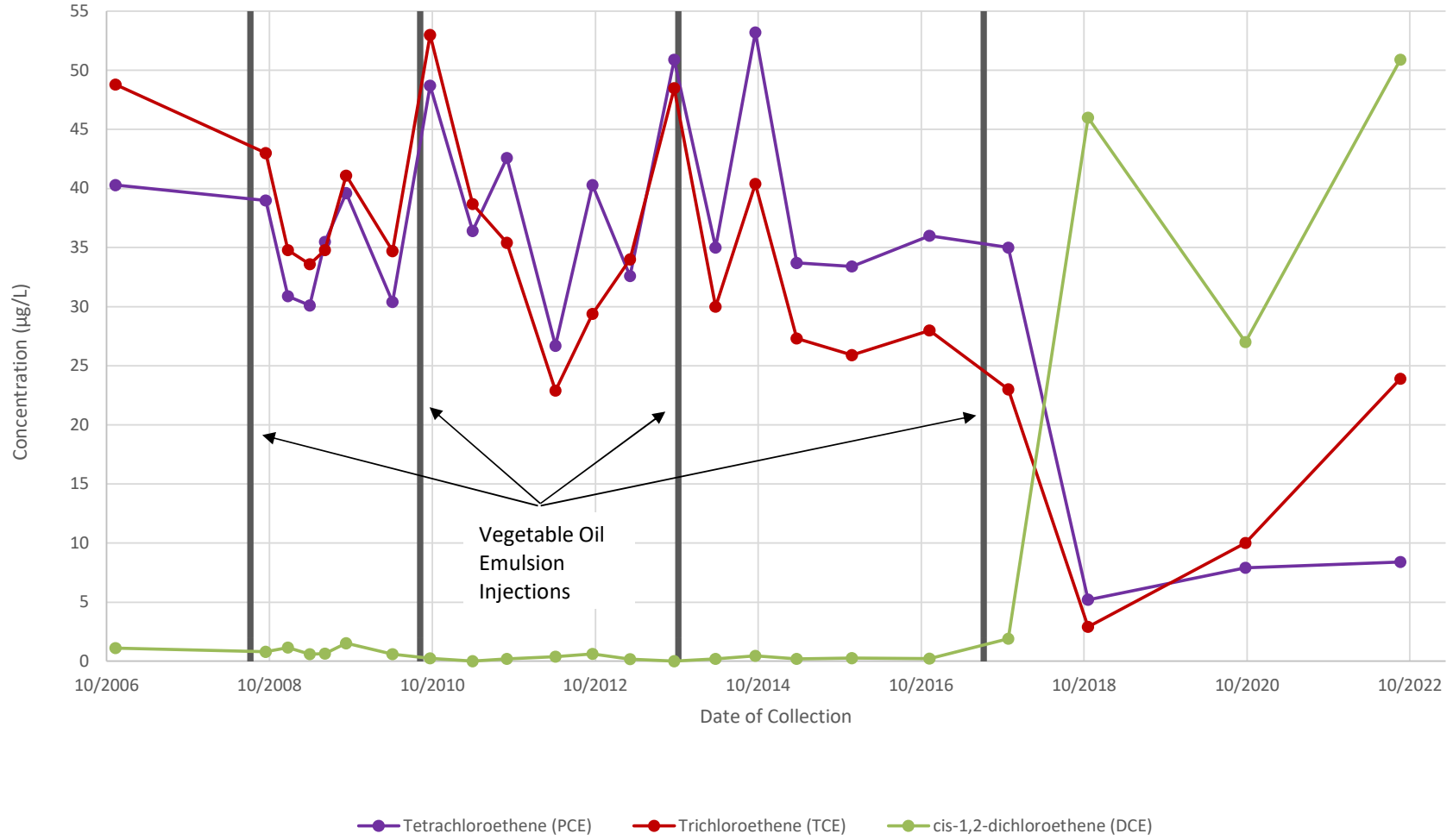
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SCALE: As Shown
DATE: 8/1/2023
DRAWN BY: MRM/CM

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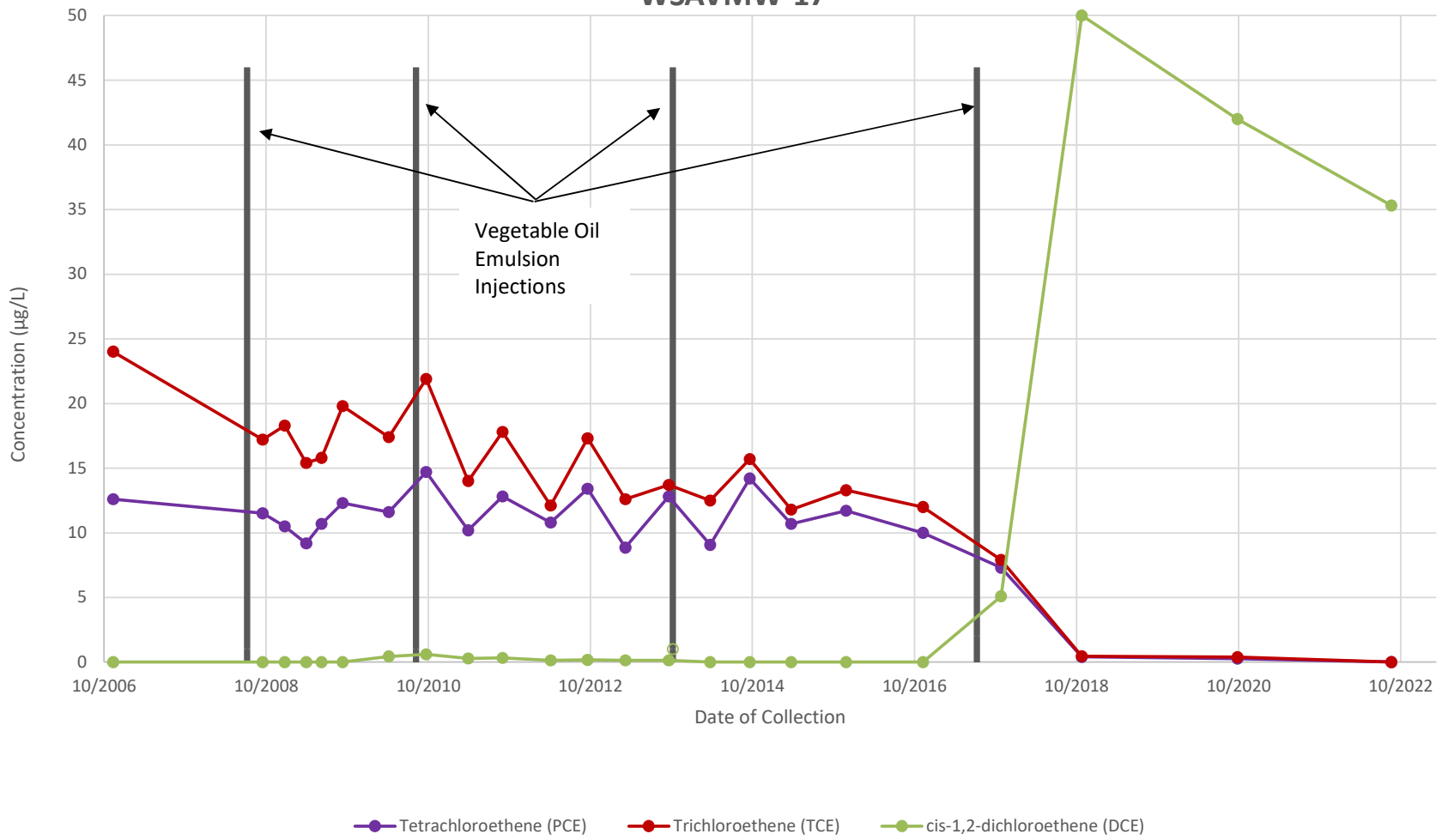
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Figure 5-4 SD052-05 Building 817/WSA Trend Chart for WSAMW-16



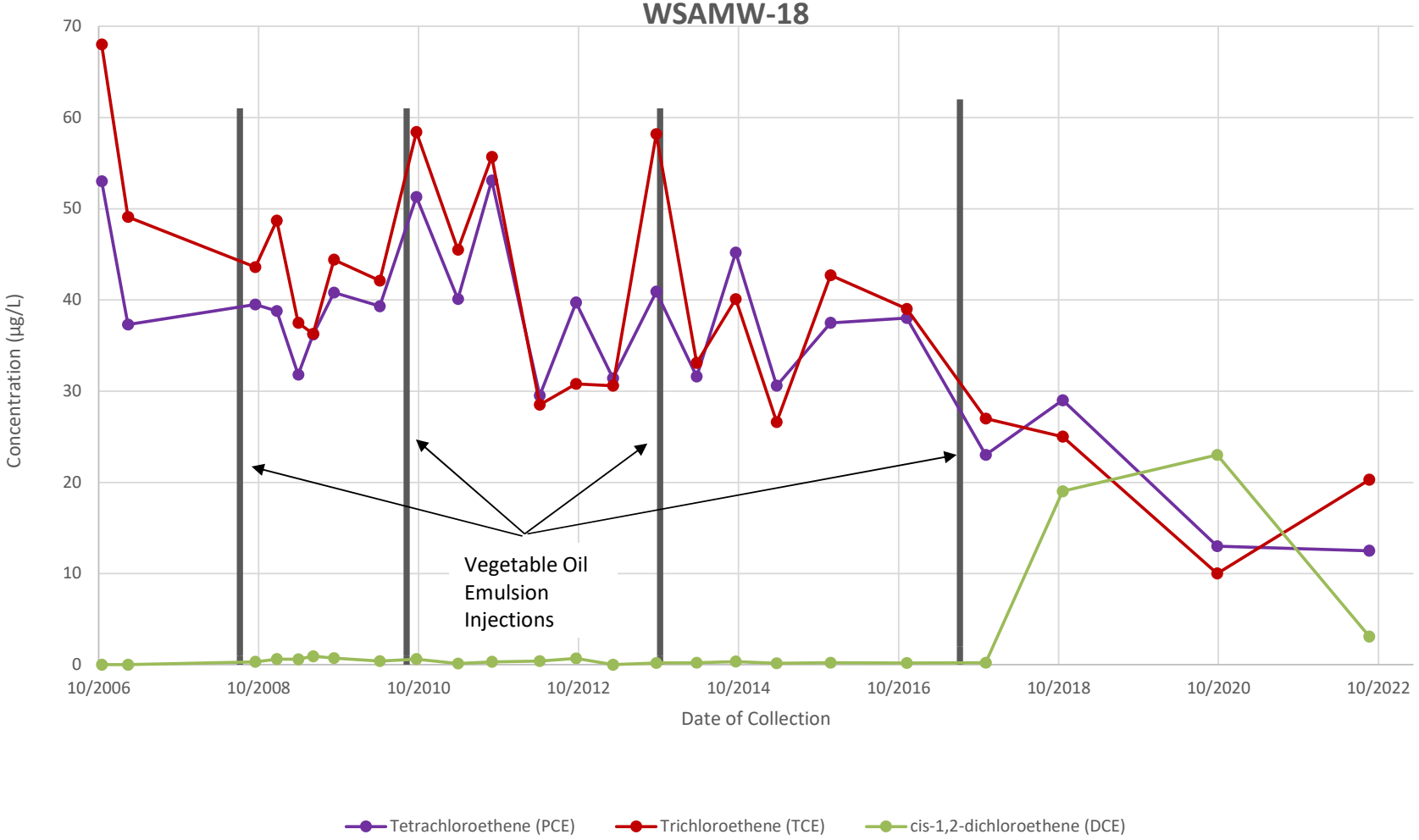
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Figure 5-5 SD052-05 Building 817/WSA Trend Chart for WSAVMW-17



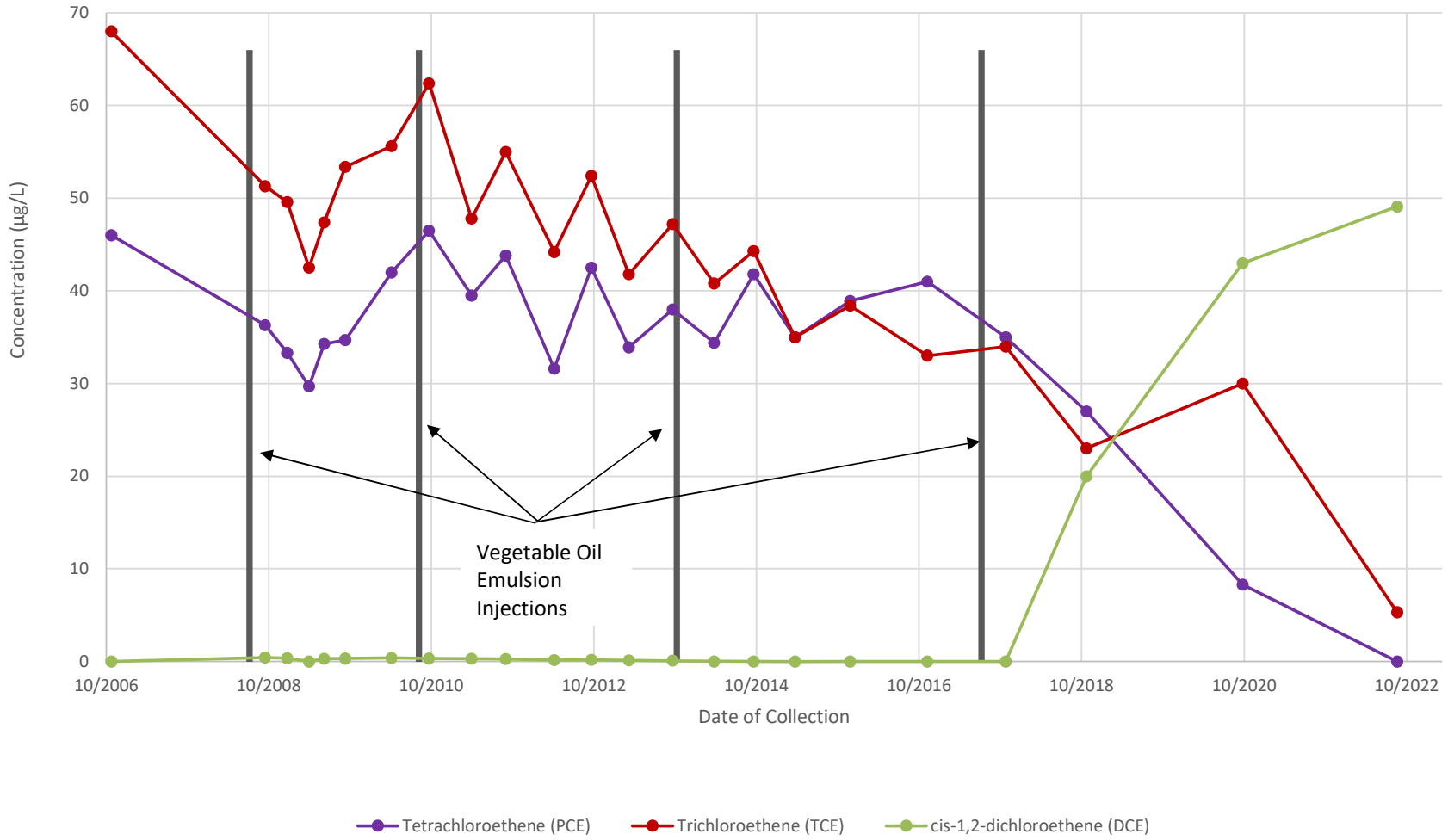
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Figure 5-6 SD052-05 Building 817/WSA Trend Chart for WSAMW-18



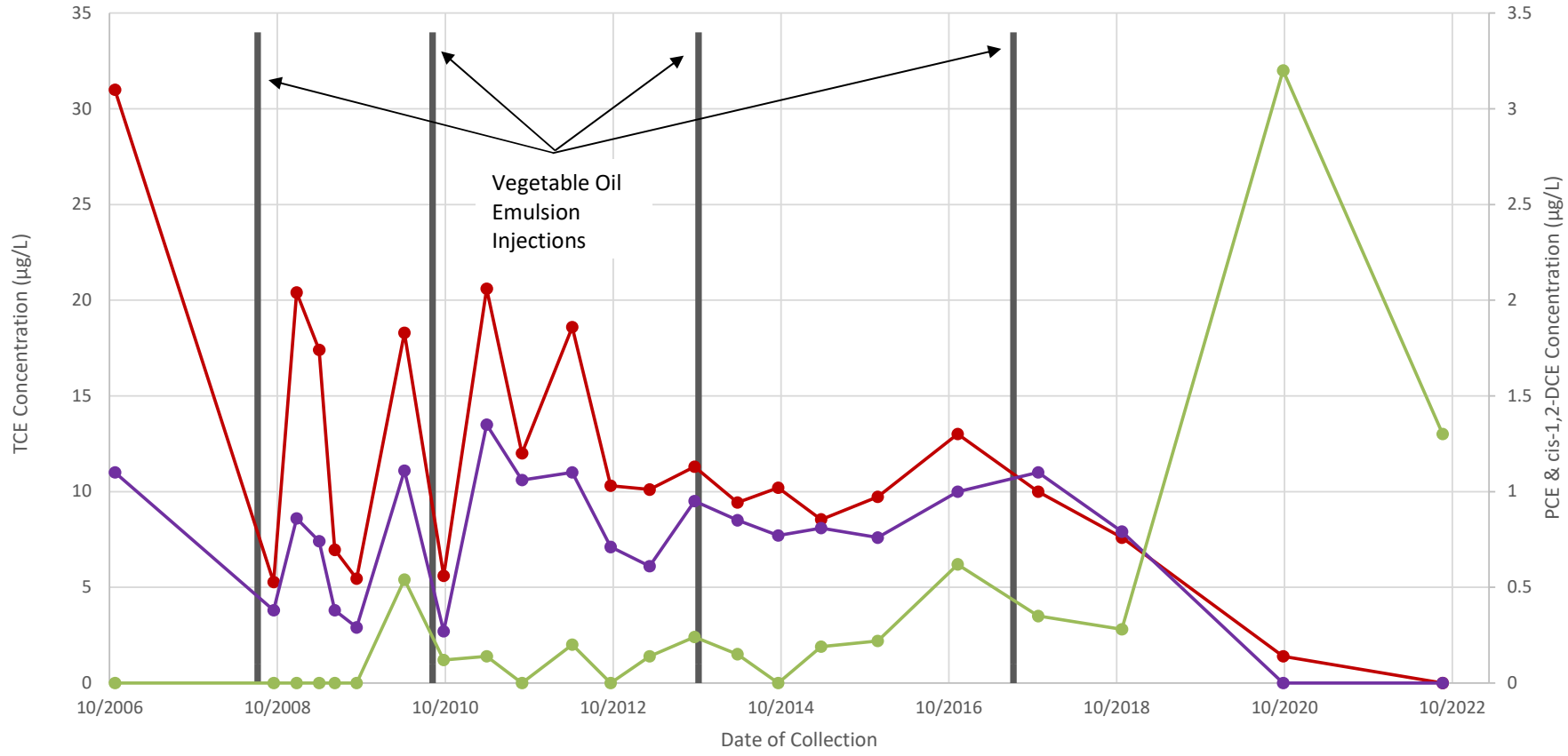
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Figure 5-7 SD052-05 Building 817/WSA Trend Chart for WSAMW-19



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Figure 5-8 SD052-05 Building 817/WSA Trend Chart for WSAMW-21



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6 SS062 AOC 9 WSA LANDFILL

6.1 Site Background

Site SS062, also known as AOC 9, is a grass-covered area in the southwest portion of the former WSA with a site boundary approximately 1,500 feet long and 650 feet wide (see **Figure 6-1**). The site is located northwest of the runway and extends into the WSA to the northeast. Perimeter Road runs through the center of the site and an open section of SMC passes through the southwestern edge of the site.

Site SS062 is currently inactive, and access is somewhat restricted by Perimeter Road Gates 4 and 11. The southern portion of this area is expected to remain vacant in the future, as it is situated within the restricted flightline area and acts as a buffer zone between the runway and development in adjacent areas. The northern portion of the site extends into the former WSA and is zoned as a non-residential, industrial area.

Two munitions storage bunkers were erected between Perimeter Road and SMC in the early 1950s. One of the bunkers (also referred to as igloos) was removed in the late 1970s or early 1980s (before 1981), and the other bunker was removed in 1992. Although the bunkers were initially used for munitions storage, they were later used to store hazardous materials (Tetra Tech, September 1994). The locations of these bunkers are presented on **Figure 6-1**.

The saturated zone north of Perimeter Road is composed of silty, fine- to medium-grained sands with little coarse sand and discontinuous gravel seams (EEEPC, February 2007). Groundwater is encountered at approximately 3 feet bgs and extends to approximately 28 feet bgs. South of Perimeter Road, the water table is shallower and encountered at approximately 1 foot bgs and extends to approximately 18 feet bgs. The groundwater gradient is generally to the southwest flowing from Building 917 toward Building 913 and eventually continuing in a southwesterly direction toward SMC. The seepage velocity has been calculated at approximately 87.5 feet per year (EEEPC, April 2016). The saturated soils lie on top of the dense consolidated till layer which gives refusal to DPT drilling. The till is a minimum of 5 feet thick and overlies the Utica Shale (EEEPC, February 2007). COCs have not been found in the till/Utica Shale (bedrock) at the site (EEEPC, August 2002). The plume is approximately 75 feet wide and 1,100 feet long extending from approximately 200 feet northeast of Building 913 (upgradient edge) to SMC (downgradient edge). The primary site COCs detected above NYSDEC AWQ S/GV are benzene; chlorobenzene (CB); 1,2-dichlorobenzene (DCB); 1,4-DCB; and TCE.

The results of the AOC 9 pre-design investigation (EEEPC, November 2007) indicated that a potential source location of CB was present upgradient of Building 913 and downgradient of Building 917. This source location was based on the maximum CB groundwater concentration found in a sample collected from temporary well AOC9TW-39 at 14,400 µg/L in November 2006. AOC9TW-39 was located approximately 20 feet northwest of AOC9MW-19 (Bhate, June 2019).

The Final ROD (EEEPC, July 2010) for site SS062, dated July 2010, was issued by the Air Force in August 2010 and signed by the USEPA in September 2010. The selected remedy for AOC 9 included removal of the source area through excavation of contaminated soil, polishing with

oxidant in the excavation, treatment of contaminated groundwater using chemical oxidation and enhanced aerobic bioremediation, land use controls, and natural processes (attenuation).

6.2 Remedial Action Summary

In 2010, Parsons performed an excavation (shown on **Figure 6-1**) at the AOC 9 Site as detailed in the approved RAWP (Parsons, July 2010). In addition, as a polishing step, a sodium persulfate oxidant (Klozur®) with an iron chelate activator (Dissolvine®) was applied to the bottom of the excavation to oxidize low-level residual contamination.

To enhance aerobic bioremediation of the contaminated groundwater plume, PermeOx® Plus was injected into the aquifer in November 2013. Injections were performed in general accordance with the RAWP Addendum (Parsons, September 2013) and are documented in the April 2014 LTM Data Summary Report (EEEPC, January 2015). The injections were performed in the southwestern portion of the remedial excavation area immediately downgradient of the former source area between AOC9MW-14 and AOC9MW-19.

In June 2017, ISCO injections using Oxygen BioChem® (OBC®) were implemented along a portion of the CB contaminant plume to the southwest of Buildings 912 and 913. Implementation of the ISCO treatment at site SS062 included injections of OBC® batched with water into the groundwater via seven DPT injection locations. The details from the June 2017 injections can be found in the 2017 PM Report (Bhate, June 2018).

In July 2018, 15 DPT injection points (SS062IP-12 through SS062IP-26) were advanced within the CB/benzene plume and OBC® was delivered to the subsurface through these DPT points. Details of the July 2018 injections can be found in the 2018 PM Report (Bhate, October 2019).

A supplemental investigation was conducted in Fall 2022, focusing on the upgradient portion of the contaminant plume, to further delineate the source area and to collect data necessary to update the current conceptual site model (CSM). These activities included DPT soil borings, temporary monitoring well installation and abandonment, monitoring well installation, and groundwater sampling. These activities will be discussed and assessed in a separate data assessment/CSM update.

6.3 PM Sampling Plan

The 2022 PM sampling was conducted to monitor the progress of the contaminant removal, excavation oxidation, chemical oxidation, enhanced bioremediation, and MNA methods of remediation at the site and included six monitoring wells (AOC9MW-07, AOC9MW-14, AOC9MW-15, AOC9MW-17, AOC9MW-18, and AOC9MW-19) and two surface water locations (AOC9-SW02 and AOC9SW-03) as shown on **Figure 6-1**. Samples were analyzed for VOCs.

6.4 PM Results

The 2022 PM analytical data for site COCs (benzene; CB; 1,2-DCB; 1,4-DCB; and TCE) compared to prior sampling results are summarized below and in **Table 6-1**. Water quality parameters (ORP, DO, and pH) are presented in **Table 6-1**. Results are presented from the upgradient/head of the

contaminant plume to the downgradient/toe of the contaminant plume near SMC; locations are shown on **Figure 6-1**. The approximate VOC plumes are included on **Figure 6-2**.

Depth to water measurements and calculated groundwater elevations are provided in **Table 6-2**. The potentiometric surface map is included as **Figure 6-3**.

- Monitoring well AOC9MW-18: All site COCs were non-detect in 2022 consistent with 2020 reporting.
- Monitoring well AOC9MW-19: Benzene was non-detect (10 U µg/L normal/10 U µg/L field duplicate) compared to 2020 results (1.3 J D µg/L); CB (1,030 µg/L/1,050 µg/L) was detected above NYSDEC AWQ S/GV (5 µg/L) representing an increase from 2020 results (390 D µg/L); 1,2-DCB was non-detect (10 U µg/L/10 U µg/L) compared to 2020 results (2.7 J D µg/L); 1,4-DCB (16.5 J µg/L/16.1 J µg/L) was detected above NYSDEC AWQ S/GV (3 µg/L) representing an increase from 2020 results (8.9 D µg/L); and TCE was non-detect (10 U µg/L/10 U µg/L) consistent with 2020 results (1.6 U µg/L). It should be noted that the limits of detection for this sample were higher than normal due to a 20x dilution due to CB concentrations. This resulted in non-detect results for benzene, 1,2-DCB, and TCE being reported at concentrations above NYSDEC AWQ S/GV.
- Monitoring well AOC9MW-14: Benzene was non-detect representing a decrease from 2020 results (6.5 D µg/L/6 D µg/L); CB (24 µg/L) was reported above NYSDEC AWQ S/GV representing a decrease from 2020 results (450 D µg/L/430 D µg/L); 1,2-DCB (1.6 µg/L) was detected below NYSDEC AWQ S/GV (3 µg/L) representing a decrease from 2020 results (9.1 D µg/L/8.6 D µg/L); 1,4-DCB (2.7 µg/L) was detected below NYSDEC AWQ S/GV representing a decrease from 2020 results (11 D µg/L/11 D µg/L); and TCE was non-detect in 2022 consistent with 2020 reporting.
- Monitoring well AOC9MW-15: Benzene was non-detect representing a decrease from 2020 results (6.2 µg/L); CB (31.5 µg/L) was detected above NYSDEC AWQ S/GV representing a decrease from 2020 results (56 µg/L); 1,2-DCB (3.4 µg/L) was detected below NYSDEC AWQ S/GV representing a decrease from 2020 results (5.5 µg/L); 1,4-DCB was non-detect representing a decrease from 2020 results (8 µg/L); and TCE was non-detect in 2022 consistent with 2020 reporting.
- Monitoring well AOC9MW-17: Benzene (0.57 J µg/L) was detected below NYSDEC AWQ S/GV (1 µg/L) consistent with 2020 reporting (0.73 J µg/L); CB (52.8 µg/L) was detected above NYSDEC AWQ S/GV representing a decrease from 2020 results (70 µg/L); 1,2-DCB (19.6 µg/L) was reported above NYSDEC AWQ S/GV representing a decrease from 2020 results (27 µg/L); 1,4-DCB was non-detect representing a decrease from 2020 results (5 µg/L); and TCE (10 µg/L) was detected above NYSDEC AWQ S/GV (5 µg/L) representing a decrease from 2020 results (14 µg/L).
- Monitoring well AOC9MW-07: Benzene (0.63 J µg/L) was detected below NYSDEC AWQ S/GV consistent with 2020 results (0.35 J µg/L); CB (31.5 µg/L) was detected above NYSDEC AWQ S/GV representing a decrease from 2020 results (51 µg/L); 1,2-DCB (10.3 µg/L) was detected above NYSDEC AWQ S/GV consistent with 2020 results (9.6 µg/L); 1,4-DCB

(6.8 µg/L) was detected above NYSDEC AWQ S/GV consistent with 2020 results (7.2 µg/L); and TCE (3 µg/L) was detected below NYSDEC AWQ S/GV also consistent with 2020 results (2.2 µg/L).

- Surface water AOC9-SW02 (within SMC slightly upstream from AOC9-MW07): All COCs were non-detect in 2022 consistent with 2020 reporting.
- Surface water AOC9-SW03 (within SMC downstream from AOC9-MW07): CB (0.81 J µg/L) was detected below NYSDEC AWQ S/GV and represents an increase from non-detect result in 2020; all other COCs were non-detect in 2022 consistent with 2020 reporting.

6.5 Analysis and Discussion

The most frequently detected VOC at site SS062 continues to be CB. The target concentration for CB is 5 µg/L as presented in the UFP-QAPP (Bhate, April 2022). The highest detection of CB in 2022 was found in monitoring well AOC9MW-19 at 1,050 µg/L (duplicate sample), well above the concentration found in 2020 of 390 D µg/L. All other monitoring wells detected CB exceedances, except for AOC9MW-18 where there was no detection. However, CB concentrations for these wells have all decreased from the previous sampling event in 2020.

Benzene was only detected in monitoring wells AOC9MW-17 and AOC9MW-07 with detections below the NYSDEC AWQ S/GV. Benzene concentrations at AOC9MW-15 and AOC9MW-14 exceeded criterium in 2020 but were non-detect in 2022. TCE was detected in AOC9MW-17 and AOC9MW-07; however, only the concentration in AOC9MW-17 was above the NYSDEC AWQ S/GV at 10 µg/L.

Monitoring well AOC9MW-07 revealed COC exceedance of CB as well as exceedances of 1,2-DCB and 1,4-DCB. The CB concentration exceeded the NYSDEC AWQ S/GV of 5 µg/L with a detection of 31.5 µg/L, a decrease from 51 µg/L reported in 2020. This is similar to that of nearby monitoring well AOC9MW-17 where there was a decrease of CB to 52.8 µg/L from 70 µg/L.

Results from surface water sample locations AOC9-SW02 and AOC9-SW03 continue to indicate that groundwater contaminants are not adversely impacting SMC.

The groundwater within the site SS062 plume is neutral with pH ranging from 6.10 to 6.90, the ORP ranged between -97 mV to 64 mV, and the DO ranged from 0.37 mg/L to 0.65 mg/L.

6.5.1 Trend Charts

Trend charts for benzene; CB; 1,2-DCB; and 1,4-DCB in monitoring wells AOC9MW-14, AOCMW-15, AOC9MW-17, and AOC9MW-19 are provided as **Figure 6-4** through **Figure 6-7**, respectively. Well locations are shown on **Figure 6-1**.

Source area excavation followed by PermeOx® injection reduced VOCs in AOC9MW-19 at the head of the contaminant plume in 2018 to concentrations below NYSDEC AWQ S/GV. However, CB and 1,4-DCB concentrations have significantly increased since then to concentrations not previously observed (**Figure 6-7**). Following an increase in benzene and 1,2-DCB concentrations between 2016 and 2018, concentrations have since decreased to undetectable concentration

levels at this location. Trends for wells AOC9MW-14, AOC9MW-15, and AOC9MW-17 all showed a reduction in VOC concentrations in the 2022 PM sampling.

6.5.2 Data Validation Summary

The only QC issue identified during the data validation of the laboratory results was holding time violation for volatiles for sample AOC9-SW2PM-0822. The reported result for CB for sample AOC9-SW2PM-0822 was qualified as estimated (flagged 'UJ') due to the holding time violation. All the data were determined to be usable as qualified in the data validation report.

6.6 Conclusions

As stated in the ROD, the selected remedy at Site SS062 includes removal of the source area through excavation of contaminated soil, treatment of contaminated groundwater using chemical oxidation, and land use controls. The excavation of the source area is the primary treatment for groundwater at this site (EEEPC, July 2010). In conjunction with prior source area soil removal and remedial injections for treatment of groundwater, the results from the 2022 PM support achievement of the groundwater RAOs identified in **Table 1-1**.

Although site COCs are detected in groundwater at the most downgradient monitoring well AOC9MW-07, adjacent to SMC at concentrations above NYSDEC AWQ S/GV, VOCs continue to be non-detect at the two sampled SMC surface water locations. This indicates that contaminant migration from Site SS062, in compliance with the RAO, is not adversely impacting surface water in SMC.

The spike of CB and 1,4-DCB concentrations observed at AOC9MW-19 indicates that unexcavated contaminated soils are still present in the source area. Nonetheless, degradation of the site COCs is ongoing within the downgradient portion of the plume.

6.7 Recommendations

Following evaluation of the 2022 data, the sampling plan should proceed on a biennial basis to next occur in Fall 2024. Sampling should be conducted at the six monitoring well locations and two surface water locations consistent with the 2022 and as described in **Table 6-3**.

- Upgradient monitoring well AOC9MW-18
- Source area monitoring well AOC9MW-19
- Mid-plume monitoring wells AOC9MW-14 and AOC9MW-15
- Downgradient/plume monitoring wells AOC9MW-17 and AOC9MW-07
- Surface water locations AOC9-SW02 and AOC9-SW03

A separate data assessment/CSM update will be prepared to evaluate the Fall 2022 investigation results and address remediation progress at the site. In addition to the CSM update, the assessment will include a remediation timeline, site status, and an evaluation of the current remediation methods.

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Table 6-1 SS062 AOC 9 WSA Landfill Comparison Summary of COC Results

Analyte/ Field Parameter	NYSDEC AWQ S/GV (µg/L)	2022 Result	2020 Result
		AOC9MW-18	
Benzene (µg/L)	1	0.5 U	0.4 U
CB (µg/L)	5	0.5 U	0.4 U
1,2-DCB (µg/L)	3	0.5 U	0.4 U
1,4-DCB (µg/L)	3	0.5 U	0.4 U
TCE (µg/L)	5	0.5 U	0.4 U
ORP (mV)	---	15	42
DO (mg/L)	---	0.65	2.38
pH (SU)	---	6.46	7.09
		AOC9MW-19	
Benzene (µg/L)	1	10 U/10 U [1]	**1.3 J D**
CB (µg/L)	5	**1,030/1,050** [1]	**390 D**
1,2-DCB (µg/L)	3	10 U/10 U [1]	**2.7 J D**
1,4-DCB (µg/L)	3	**16.5 J/16.1 J** [1]	**8.9 D**
TCE (µg/L)	5	10 U/10 U [1]	1.6 U
ORP (mV)	---	18	-71
DO (mg/L)	---	0.55	1.52
pH (SU)	---	6.31	6.83
		AOC9MW-14	
Benzene (µg/L)	1	0.5 U	**6.5 D/6 D** [1]
CB (µg/L)	5	**24**	**450 D/430 D** [1]
1,2-DCB (µg/L)	3	**1.6**	**9.1 D/8.6 D** [1]
1,4-DCB (µg/L)	3	**2.7**	**11 D/11 D** [1]
TCE (µg/L)	5	0.5 U	1.6 U/1.6 U [1]
ORP (mV)	---	-66	-24
DO (mg/L)	---	0.59	0.0
pH (SU)	---	6.10	6.82
		AOC9MW-15	
Benzene (µg/L)	1	0.5 U	**6.2**
CB (µg/L)	5	**31.5**	**56**
1,2-DCB (µg/L)	3	**3.4**	**5.5**
1,4-DCB (µg/L)	3	0.5 U	**8**
TCE (µg/L)	5	0.5 U	0.4 U
ORP (mV)	---	-94	-86
DO (mg/L)	---	0.37	0.0
pH (SU)	---	6.36	6.95

Analyte/ Field Parameter	NYSDEC AWQ S/GV (µg/L)	2022 Result	2020 Result
		AOC9MW-17	
Benzene (µg/L)	1	**0.57 J**	**0.73 J**
CB (µg/L)	5	**52.8**	**70**
1,2-DCB (µg/L)	3	**19.6**	**27**
1,4-DCB (µg/L)	3	0.5 U	**5**
TCE (µg/L)	5	**10**	**14**
ORP (mV)	---	64	-40
DO (mg/L)	---	0.90	0.27
pH (SU)	---	6.90	7.76
		AOC9MW-07	
Benzene (µg/L)	1	**0.63 J**	**0.35 J**
CB (µg/L)	5	**31.5**	**51**
1,2-DCB (µg/L)	3	**10.3**	**9.6**
1,4-DCB (µg/L)	3	**6.8**	**7.2**
TCE (µg/L)	5	**3**	**2.2**
ORP (mV)	---	-23	-102
DO (mg/L)	---	0.40	0.27
pH (SU)	---	6.70	7.27
		AOC9-SW02	
Benzene (µg/L)	1	0.5 U	0.4 U
CB (µg/L)	5	0.5 UJ	0.4 U
1,2-DCB (µg/L)	3	0.5 U	0.4 U
1,4-DCB (µg/L)	3	0.5 U	0.4 U
TCE (µg/L)	5	0.5 U	0.4 U
ORP (mV)	---	82	109
DO (mg/L)	---	11.3	2.72
pH (SU)	---	6.53	7.43
		AOC9-SW03	
Benzene (µg/L)	1	0.5 U	0.4 U
CB (µg/L)	5	**0.81 J**	0.4 U
1,2-DCB (µg/L)	3	0.5 U	0.4 U
1,4-DCB (µg/L)	3	0.5 U	0.4 U
TCE (µg/L)	5	0.5 U	0.4 U
ORP (mV)	---	72	166
DO (mg/L)	---	9.08	5.11
pH (SU)	---	6.79	7.70

Analyte/ Field Parameter	NYSDEC AWQ S/GV (µg/L)	2022 Result	2020 Result

Notes:

[1] = normal/field duplicate result
µg/L = microgram per liter
mg/L = milligram per liter
mV = millivolt
SU = standard units
CB = chlorobenzene
DCB = dichlorobenzene
TCE = trichloroethene
DO = dissolved oxygen
ORP = oxidation reduction potential
pH = potential of hydrogen

Bold analytical results indicate detection

Highlighted analytical results indicate detection above NYSDEC AWQ S/GV

NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998), Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

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Table 6-2 SS062 AOC 9 WSA Landfill Groundwater Elevations (August 2022)

Well Identification	Depth to Water (feet btoc)	Top of Casing (feet amsl)	Groundwater Elevation (feet amsl)
AOC9MW-18	13.73	529.34	515.61
AOC9MW-19	8.82	523.05	514.23
AOC9MW-14	13.90	520.86	506.96
AOC9MW-15	2.80	501.99	499.19
AOC9MW-17	3.80	489.44	485.64
AOC9MW-07	4.05	484.83	480.78

Notes:
amsl = above mean sea level
btoc = below top of casing

Table 6-3 SS062 AOC 9 WSA Landfill Performance Monitoring Plan (Fall 2024)

Sample Location	Sample Type	Required Analysis
AOC9MW-18	Groundwater	Volatile organic compounds
AOC9MW-19	Groundwater	
AOC9MW-14	Groundwater	
AOC9MW-15	Groundwater	
AOC9MW-17	Groundwater	
AOC9MW-07	Groundwater	
AOC9-SW02	Surface water	
AOC9-SW03	Surface water	

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SS062 AOC 9 WSA Landfill
Site Map

Figure 6-1

2022 Annual Performance Monitoring Report
On-Base Groundwater Remediation
Former Griffiss Air Force Base, Rome, New York

DRAWN BY: MRM/CM

DATE: 8/17/2023

SCALE: As Shown

PROJECT NO: MSC2021.0012.
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Former Storage Igloo Location

Six Mile Creek

Intermittent Stream

Pond

SS062

AOC9MW-18
AOC9MW-19
AOC9TW-95
AOC9MW-11BR
AOC9MW-20
AOC9MW-22
AOC9MW-23
AOC9MW-14
AOC9MW-21
AOC9MW-24
AOC9MW-08
AOC9MW-13
AOC9MW-12
G009-MW01
AOC9MW-15
WSAMW-4
AOC9MW-16
AOC9-SW01
G009-MW02
AOC9MW-17
AOC9MW-07
G009-MW03
AOC9-SW02
Former Storage Igloo Location
G009-MW04
AOC9-SW03
AOC9MW-05
AOC9MW-9BR
AOC9MW-06

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

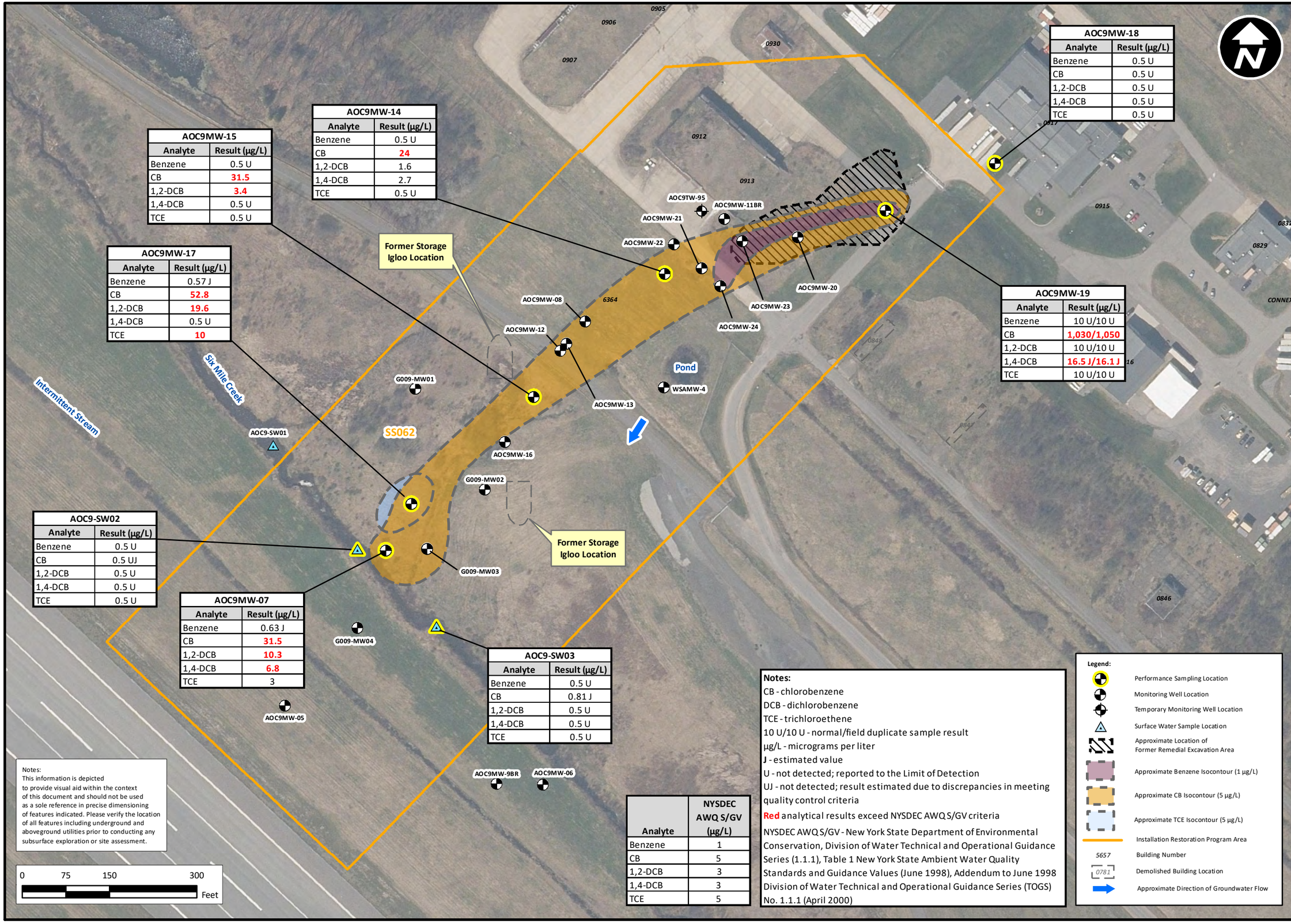
0 75 150 300
Feet

Legend:

- Performance Sampling Location
- Monitoring Well Location
- Temporary Monitoring Well Location
- Surface Water Sample Location
- Approximate Location of Former Remedial Excavation Area
- Installation Restoration Program Area
- 5657 Building Number
- 0781 Demolished Building Location
- Approximate Direction of Groundwater Flow

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AOC9MW-15	
Analyte	Result (µg/L)
Benzene	0.5 U
CB	31.5
1,2-DCB	3.4
1,4-DCB	0.5 U
TCE	0.5 U

AOC9MW-14	
Analyte	Result (µg/L)
Benzene	0.5 U
CB	24
1,2-DCB	1.6
1,4-DCB	2.7
TCE	0.5 U

AOC9MW-18	
Analyte	Result (µg/L)
Benzene	0.5 U
CB	0.5 U
1,2-DCB	0.5 U
1,4-DCB	0.5 U
TCE	0.5 U

AOC9MW-17	
Analyte	Result (µg/L)
Benzene	0.57 J
CB	52.8
1,2-DCB	19.6
1,4-DCB	0.5 U
TCE	10

AOC9MW-19	
Analyte	Result (µg/L)
Benzene	10 U/10 U
CB	1,030/1,050
1,2-DCB	10 U/10 U
1,4-DCB	16.5 J/16.1 J
TCE	10 U/10 U

AOC9-SW02	
Analyte	Result (µg/L)
Benzene	0.5 U
CB	0.5 UJ
1,2-DCB	0.5 U
1,4-DCB	0.5 U
TCE	0.5 U

AOC9MW-07	
Analyte	Result (µg/L)
Benzene	0.63 J
CB	31.5
1,2-DCB	10.3
1,4-DCB	6.8
TCE	3

AOC9-SW03	
Analyte	Result (µg/L)
Benzene	0.5 U
CB	0.81 J
1,2-DCB	0.5 U
1,4-DCB	0.5 U
TCE	0.5 U

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

0 75 150 300 Feet

Analyte	NYSDEC AWQ S/GV (µg/L)
Benzene	1
CB	5
1,2-DCB	3
1,4-DCB	3
TCE	5

Notes:
CB - chlorobenzene
DCB - dichlorobenzene
TCE - trichloroethene
10 U/10 U - normal/field duplicate sample result
µg/L - micrograms per liter
J - estimated value
U - not detected; reported to the Limit of Detection
UJ - not detected; result estimated due to discrepancies in meeting quality control criteria
Red analytical results exceed NYSDEC AWQ S/GV criteria
NYSDEC AWQ S/GV - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998), Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Legend:
- Performance Sampling Location
- Monitoring Well Location
- Temporary Monitoring Well Location
- Surface Water Sample Location
- Approximate Location of Former Remedial Excavation Area
- Approximate Benzene Isocontour (1 µg/L)
- Approximate CB Isocontour (5 µg/L)
- Approximate TCE Isocontour (5 µg/L)
- Installation Restoration Program Area
- 5657 Building Number
- 0781 Demolished Building Location
- Approximate Direction of Groundwater Flow

Service Layer Credits: NYS ITS Geospatial Services, Westchester County GIS

SS062 AOC 9 WSA Landfill Chlorinated Plume (August 2022)

Figure 6-2

2022 Annual Performance Monitoring Report
On-Base Groundwater Remediation
Former Griffiss Air Force Base, Rome, New York

DRAWN BY: MRM/CM
DATE: 8/2/2023
SCALE: As Shown
PROJECT NO: MSC2021.0012.2008.0002

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SS062 AOC 9 WSA Landfill
Potentiometric Surface Map
(August 2022)

Figure 6-3

AOC9MW-18 (515.61)
AOC9MW-19 (514.23)
AOC9MW-14 (506.96)
AOC9MW-15 (499.19)
AOC9MW-17 (485.64)
AOC9MW-07 (480.78)
515.00
510.00
505.00
500.00
495.00
490.00
485.00
Former Storage Igloo Location
Former Storage Igloo Location
Pond
Six Mile Creek
Intermittent Stream
SS062
0905
0906
0907
0930
0912
0913
0917
0915
0832
0829
CONNEX
6364
0848
0916
0847
0846

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

0 75 150 300 Feet

Legend:

- Monitoring Well Location
- Monitoring Well Location (Not Measured)
- Approximate Location of Former Remedial Excavation Area
- Installation Restoration Program Area
- (506.96) Potentiometric Surface Elevation in Feet Above Mean Sea Level
- Potentiometric Surface Contour
- Direction of Groundwater Flow
- 5657 Building Number
- 0781 Demolished Building Location

2022 Annual Performance Monitoring Report
On-Base Groundwater Remediation
Former Griffiss Air Force Base, Rome, New York

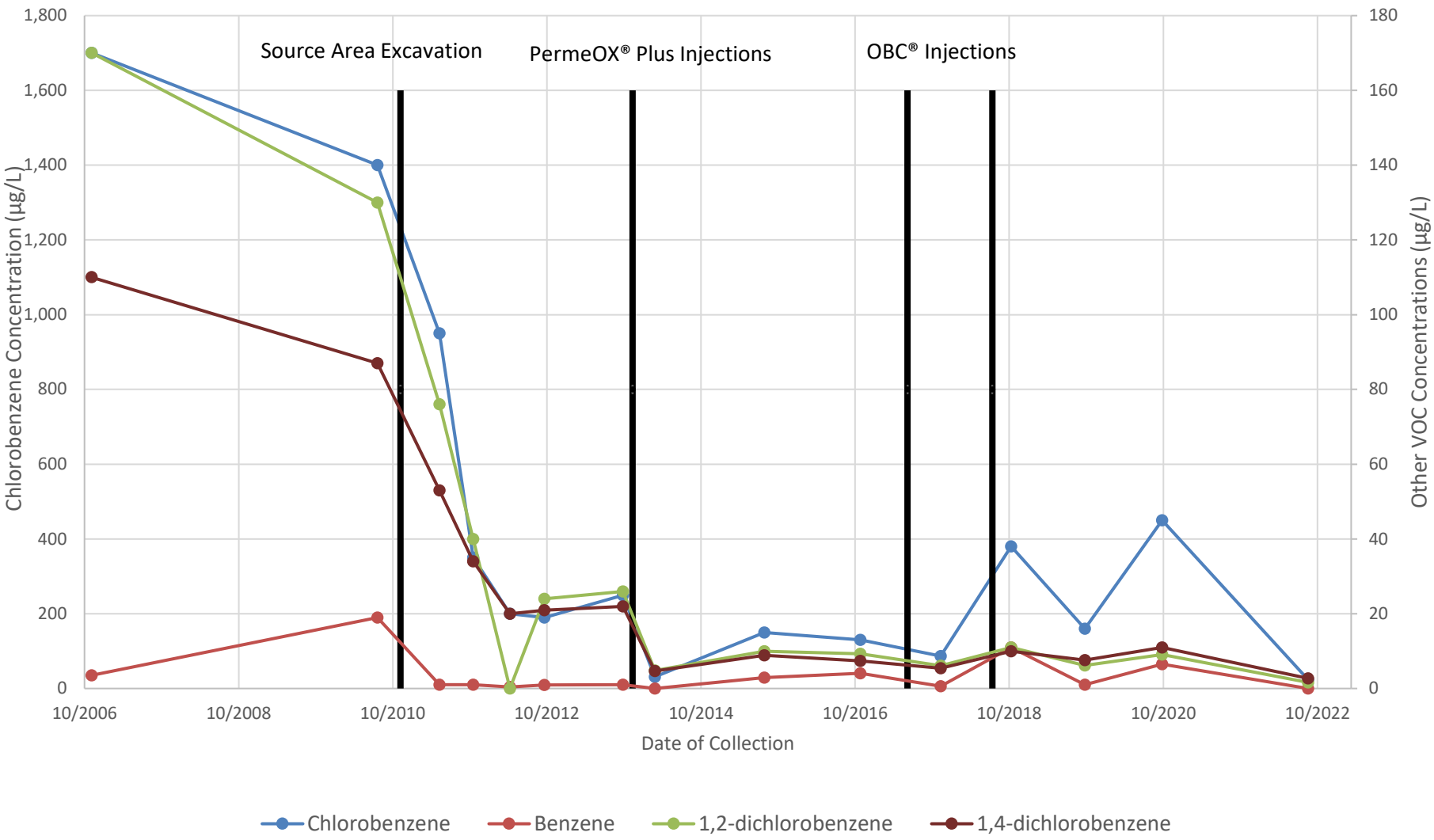
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DATE: 8/1/2023
SCALE: As Shown
PROJECT NO: MSC2021.0012. 2008.0002

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Service Layer Credits: NYS ITS GIS Program Office, Westchester County GIS

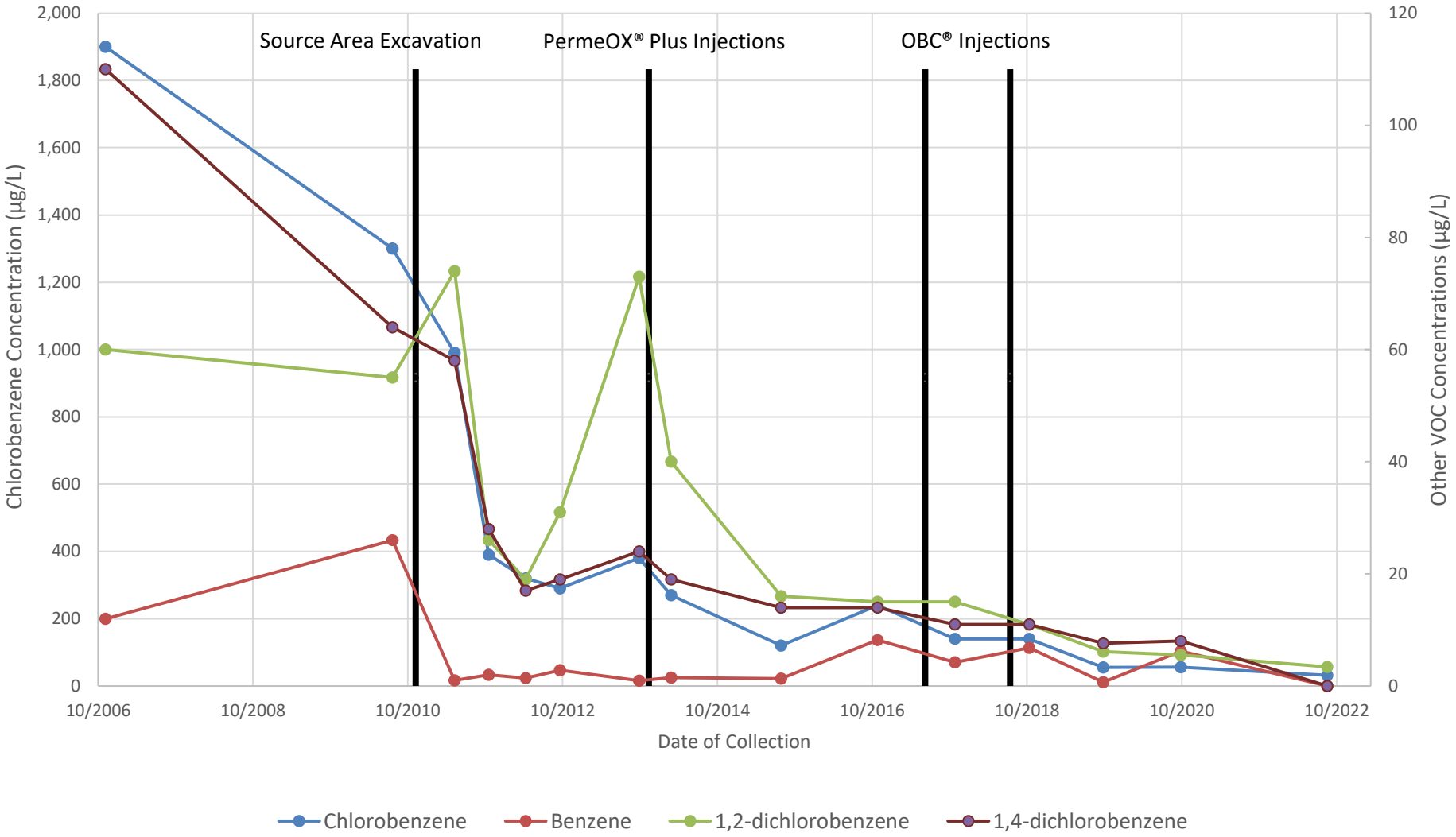
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Figure 6-4 SS062 AOC 9 WSA Landfill Trend Chart for AOC9MW-14



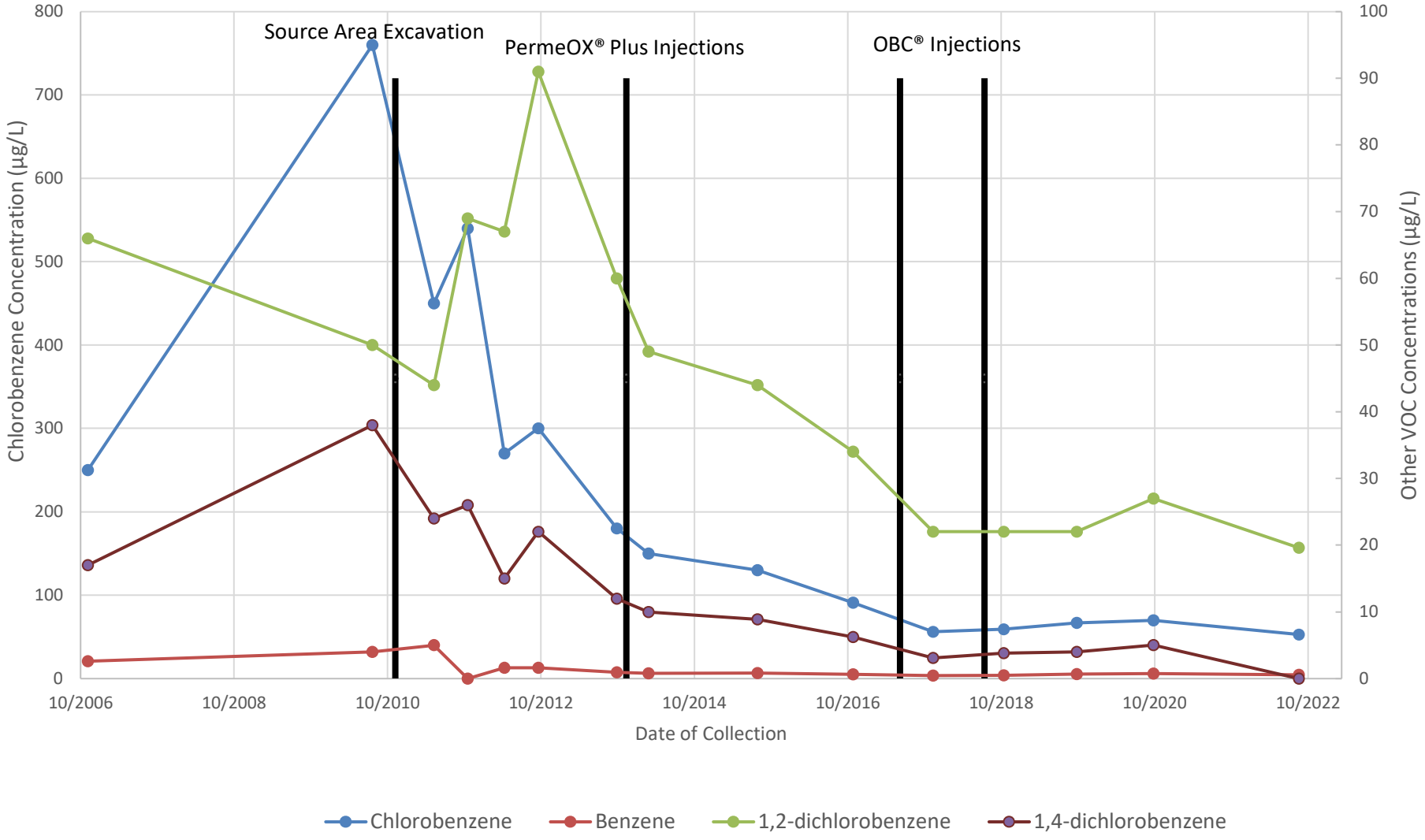
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Figure 6-5 SS062 AOC 9 WSA Landfill Trend Chart for AOC9MW-15



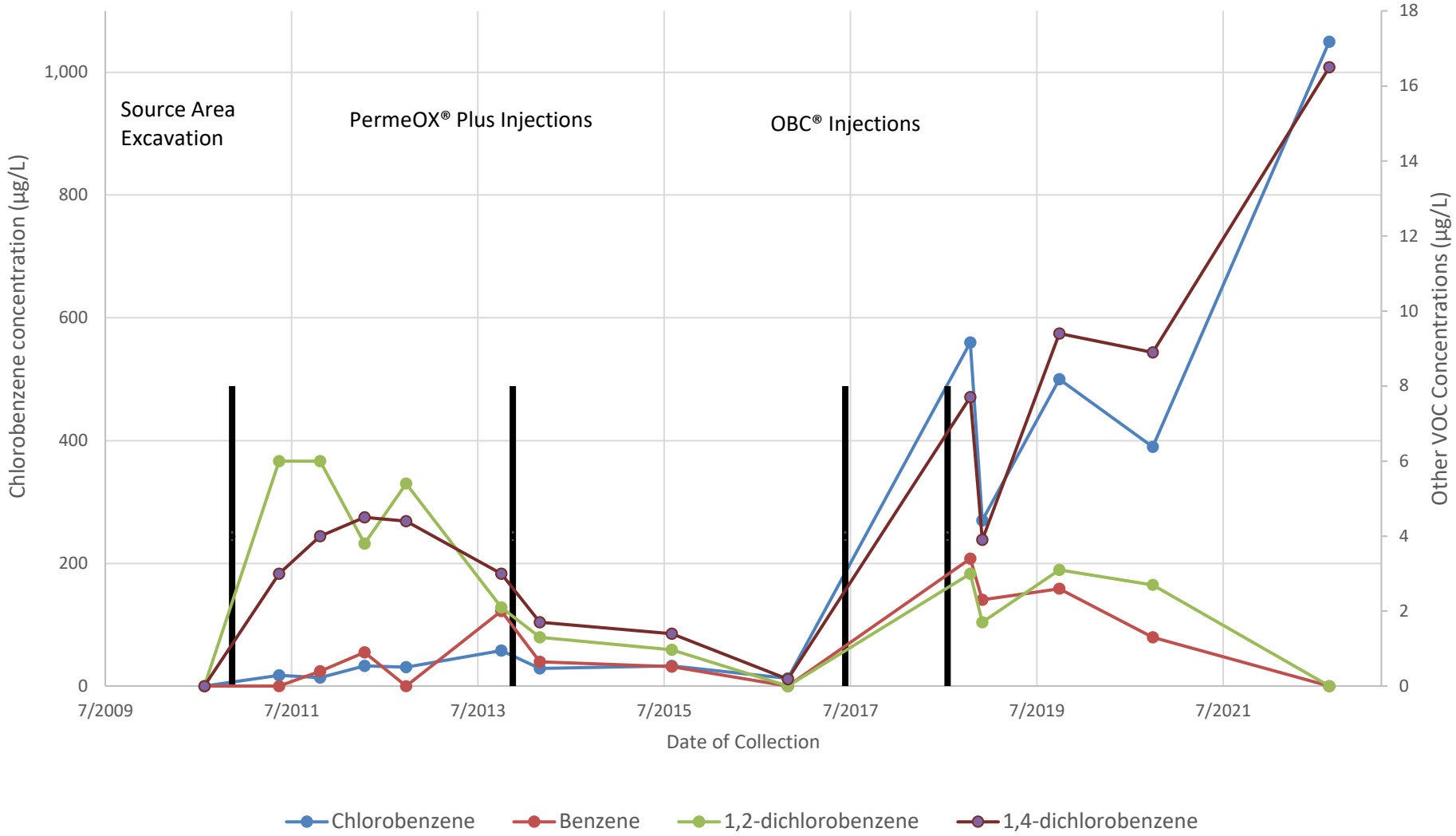
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Figure 6-6 SS062 AOC 9 WSA Landfill Trend Chart for AOC9MW-17



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Figure 6-7 SS062 AOC 9 WSA Landfill Trend Chart for AOC9MW-19



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APPENDICES

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APPENDIX A ANALYTICAL SUMMARY TABLES

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APPENDIX A-1 SD052-01 APRON 2 CHLORINATED PLUME ANALYTICAL SUMMARY TABLES

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Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Analytical Summary Table (August 2022)
Griffiss Air Force Base, New York

Location Identification:		**782VMW-81**	**782VMW-101**	**782VMW-105B**	**782VMW-121**		**AP2MW-3**	**782SW-115**
Field Sample Identification:		**782VMW-81-0822**	**782VMW-101-0822**	**782VMW-105B-0822**	**782VMW-121-0822**	**782VMW-121-0822-A**	**AP2MW-3-0822**	**782SW-115-0822**
Sample Date:		**8/24/2022**	**8/24/2022**	**8/24/2022**	**8/23/2022**	**8/23/2022**	**8/23/2022**	**8/24/2022**
Sample Type:		**Normal**	**Normal**	**Normal**	**Normal**	**Field Duplicate**	**Normal**	**Normal**
Volatile organic compounds (µg/L)	**NYSDEC AWQ S/GV**							
1,1,1,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
1,1,1-Trichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
1,1,2-Trichloroethane	1	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
1,1-Dichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
1,1-Dichloropropene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 UJ	1 U	5 U	1 U
1,2,3-Trichloropropane	0.04	1 U	1 U	1 U	1 UJ	1 U	5 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 UJ	1 U	5 U	1 U
1,2,4-Trimethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.04	2 U	2 U	2 U	2 UJ	2 U	10 U	2 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	1 UJ	1 U	5 U	1 U
1,2-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
1,2-Dichloroethene	NC	**5.7**	1 U	**9.2**	1 UJ	1 U	5 U	1 U
1,2-Dichloropropane	1	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
1,3,5-Trimethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
1,3-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
1,3-Dichloropropane	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
1,4-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
2,2-Dichloropropane	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
2-Butanone	50	3.5 U	3.5 U	3.5 U	3.5 UJ	3.5 U	18 U	3.5 U
2-Chlorotoluene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
2-Hexanone	50	5 U	5 U	5 U	5 UJ	5 U	25 U	5 U
4-Chlorotoluene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
4-Methyl-2-pentanone	NC	2 U	2 U	2 U	2 UJ	2 U	10 U	2 U
Acetone	50	20 U	20 U	20 U	20 UJ	20 U	100 U	20 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	**223**	0.5 U
Bromobenzene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
Bromochloromethane	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
Bromoform	50	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
Bromomethane	5	4 U	4 U	4 U	4 UJ	4 U	20 U	4 U
Carbon disulfide	60	1 U	1 U	1 U	1 UJ	1 U	5 U	1 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
Chlorobenzene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
Chloroethane	5	1 U	1 U	1 U	1 UJ	1 U	5 U	1 U
Chloroform	7	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
Chloromethane	5	1 U	1 U	1 U	1 UJ	1 U	5 U	1 U
cis-1,2-Dichloroethene	5	**5.7**	0.5 U	**9.2**	0.5 UJ	0.5 U	2.5 U	0.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
Cumene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
Dibromomethane	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 UJ	1 U	5 U	1 U
Ethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
Hexachlorobutadiene	0.5	1 U	1 U	1 U	1 UJ	1 U	5 U	1 U
m,p-Xylene	5	1 U	1 U	1 U	1 UJ	1 U	5 U	1 U
Methyl tert-butyl ether	10	0.5 U	**1.5**	0.5 U	**0.49 J**	0.5 U	**8.3**	0.5 U
Methylene chloride	5	4 U	4 U	4 U	4 UJ	4 U	**23 J**	4 U
Naphthalene	10	2 U	2 U	2 U	2 UJ	2 U	10 U	2 U
n-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
n-Propylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
o-Xylene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
p-Cymene (p-Isopropyltoluene)	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
sec-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
Styrene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
tert-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
Toluene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
trans-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	**9.7**	0.5 UJ	0.5 U	2.5 U	0.5 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 UJ	1 U	5 U	1 U
Vinyl acetate	NC	5 U	5 U	5 U	5 UJ	5 U	25 U	5 U
Vinyl chloride	2	0.5 U	**1.1**	0.5 U	**20.5 J**	**19.5**	2.5 U	0.5 U
Xylenes, Total	NC	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	7.5 U	1.5 U
Field Parameters								
ORP (mV)	---	119	25	-48	-65		3	194
DO (mg/L)	---	4.6	0.25	0.38	0.59		0.36	5.8
pH (SU)	---	6.34	6.28	6.43	6.2		6.5	5.22

NC = no criteria
ORP (mV) = oxidation reduction potential (millivolts
DO (mg/L) = dissolved oxygen (millligrams per liter)
pH (SU) = potential of hydrogen (standard units
J = estimated value
U = not detected; reported to limit of detectio
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criter
µg/L = micrograms per liter
Bold analytical results indicate detectior
Red analytical results exceed NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998); Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000

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Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-76									
Sample Identification			782VM7638AA	782VM7638AB	782VM7638BB	782VM7638CA	782VM7638DA	782VM7638EB	782VM7638FB	782VM7638GA	782VM7638HA	782VM7638IA
Date of Collection			11/15/2006	9/24/2008	12/31/2008	4/15/2009	6/16/2009	9/21/2009	4/19/2010	9/28/2010	4/5/2011	9/14/2011
VOCs (µg/L)												
1,1-Dichloroethane	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Acetone	50	10	U	U	1.74 F	2.07 F	U	1.91 F	U	1.58 F	1.93 FB	U
Benzene	1	0.4	0.110 F	U	U	U	0.160 F	0.160 F	0.160 F	0.150 F	0.130 F	0.730
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	10	U	U	U	U	U	U	U	U	U	2.29 F
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U
Chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U
Chloromethane	5*	1.0	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	1.0	0.990 F	0.630 F	U	0.670 F	1.02	0.910 F	0.990 F	0.960 F	0.970 F	0.990 F
Ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	5.0	4.56 F	3.42 F	U	4.75 F	5.14	5.67	4.66 F	3.88 F	4.12 F	4.75 F
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	5*	2.0	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	1.0	U	U	U	U	U	U	U	U	U	U
o-Xylene	5*	1.0	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	0.420 F	0.340 F	U	0.250 F	0.630 F	0.550 F	0.500 F	0.540 F	0.440 F	0.550 F
Trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U	U	U
Vinyl chloride	2	1.0	10.3	7.54	U	7.73	15.1	13.0	10.0	10.6	8.05	9.56
Xylenes, total	5*	2	U	U	U	U	U	U	U	U	U	U
Total VOCs	--	--	11.71	11.89	U	15.47	22.05	22.2	16.31	17.71	15.64	18.87
Wet Chemistry												
DOC (mg/L)	--	1	1.6	4.6	7.4	5.5	2.3	2.7	3.0	2.2	4.2	2.5
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	290	250	130	340	330	330	310	300	270	310
Chloride (mg/L)	250	1	44	43	5.7	53	47	47	37	35	31	30
Nitrate (mg/L)	10	1	0.044 F	U	4	U	U	0.037 F	0.044 F	U	U	U
Sulfate (mg/L)	250	1	1.1	7.0	63.0	2.0	U	U	U	U	U	8.0
Field Parameters												
ORP (mV)	--	--	-76	-118	256	-110	-100	-72	-101	-58	-56	-263
Dissolved Oxygen (mg/L)	--	--	8.04	1.54	3.96	2.80	7.17	7.24	6.75	0.00	0.00	0.00
pH	--	--	6.52	7.00	6.95	6.61	7.06	6.69	7.18	6.00	7.42	8.26
Ferrous iron (mg/L)	--	--	0.0	2.0	NS	2.2	4.0	2.0	1.6	4.0	1.6	1.6

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-76								
Sample Identification			782VM7638JA	782VM7638KA	782VM7638LA	782VM7638MA	782VM7638NA	782VMW-76_1116	782VMW-76_1117	782VMW-76_1018	782VMW-76_0619
Date of Collection			4/11/2012	9/25/2012	3/13/2013	9/25/2013	9/29/2014	11/15/2016	11/27/2017	10/24/2018	6/18/2019
VOCs (µg/L)											
1,1-Dichloroethane	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
1,1-Dichloroethene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	UJ	U	UJ	UJ
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	UJ	U	UJ	UJ
4-Chlorotoluene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
Acetone	50	10	U	U	7.29 FB	9.29 FB	U	2.7 J	U	5.4 J	3.3 UB
Benzene	1	0.4	0.230 F	2.23	0.290 F	0.240 F	0.280 F	0.17 J	U	0.21 J	0.31 J
Bromomethane	5*	3.0	U	U	U	UJ	U	UJ	U	UJ	UJ
2-Butanone	50	10	U	U	U	U	U	UJ	U	UJ	UJ
Chlorobenzene	5*	0.5	U	U	U	U	U	UJ	U	UJ	UJ
Chloroform	7	0.3	U	U	U	U	U	UJ	U	UJ	UJ
Chloromethane	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
cis-1,2-Dichloroethene	5*	1.0	0.870 F	0.740 F	0.830 F	0.670 F	0.900 F	0.15 J	U	0.30 J	0.5 J
Ethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
Isopropylbenzene	5*	1.0	U	U	U	UJ	U	UJ	U	UJ	UJ
Methyl tert-butyl ether	10	5.0	4.45 F	3.91 F	4.39 F	2.73 F	2.55 F	2.3 J	3.1 J	1.8 J	3.2 J
Methylene chloride	5*	1.0	U	U	U	U	U	UJ	U	0.33 J	UJ
n-Butylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
n-Propylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
m,p-Xylene	5*	2.0	U	U	U	U	U	UJ	U	UJ	UJ
Naphthalene	10	1.0	U	U	U	U	U	UJ	U	UJ	UJ
o-Xylene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
sec-Butylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
tert-Butylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
Toluene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
trans-1,2-Dichloroethene	5*	1.0	0.560 F	0.510 F	0.590 F	0.490 F	0.430 F	UJ	U	0.25 J	0.42 J
Trichloroethene (TCE)	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
Vinyl chloride	2	1.0	9.56	9.54	12.8	9.58	7.22	5.2 J	6.2	4.3 J	8.7 J
Xylenes, total	5*	2	U	U	U	U	U	UJ	U	UJ	UJ
Total VOCs	--	--	15.67	16.93	26.19	23	11.38	10.52	9.3	12.59	16.43
Wet Chemistry											
DOC (mg/L)	--	1	2.9	1.8	1.8	1.9	1.8	14	2.6	1.3 UB	1.7
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	350	320	330	290	NS	NS	NS	NS	NS
Chloride (mg/L)	250	1	32	35	27	24	NS	NS	NS	NS	NS
Nitrate (mg/L)	10	1	U	U	U	0.16 F	NS	NS	NS	NS	NS
Sulfate (mg/L)	250	1	U	1.3	U	0.86 F	NS	NS	NS	NS	NS
Field Parameters											
ORP (mV)	--	--	-184	-100	-229	-128	-105	-221	-110	-153	-147
Dissolved Oxygen (mg/L)	--	--	0.00	0.67	0.00	7.40	1.20	0.91	0.00	3.90	0.48
pH	--	--	7.19	7.63	7.59	7.17	7.22	7.28	7.10	7.53	7.14
Ferrous iron (mg/L)	--	--	3.0	3.6	6.5	1.4	1.2	NS	NS	NS	NS

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-78									
Sample Identification			782VM7840AA	782VM7840AB	782VM7840BB	782VM7840CA	782VM7840DA	782VM7840EB	782VM7840FB	782VM7840GA	782VM7840HA	782VMW7840IA
Date of Collection			11/14/2006	9/25/2008	12/31/2008	3/26/2009	6/16/2009	9/21/2009	4/19/2010	9/28/2010	4/6/2011	9/13/2011
VOCs (µg/L)												
1,1-Dichloroethane	5*	1.0	0.190 F♦	0.200 F	U	U	U	U	0.150 F	0.190 F	0.220 F	0.140 F
1,1-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Acetone	50	10	U	U	U	U	U	U	U	1.06 F	1.69 FB	U
Benzene	1	0.4	0.230 F	0.260 F	U	U	U	0.240 F	0.270 F	0.290 F	0.340 F	0.290 F
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	10	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U
Chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U
Chloromethane	5*	1.0	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	1.0	38.1 ♦	42.0	42.8	39.6	45.9	46.3	43.4 J	46.0	56.9	44.8
Ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U	0.210 F	U
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	5*	2.0	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	1.0	U	U	U	U	U	U	U	U	U	U
o-Xylene	5*	1.0	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	4.04	4.37	3.66	3.48	3.84	4.04	4.31	4.22	5.25	4.57
Trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U	U	U
Vinyl chloride	2	1.0	14.0	16.0	10.6	6.50	6.78	10.5	9.42	7.60	8.78	7.57
Xylenes, total	5*	2	U	U	U	U	U	U	U	U	U	U
Total VOCs	--	--	56.14	62.83	57.06	49.58	56.52	61.08	57.55	59.36	73.39	57.37
Wet Chemistry												
DOC (mg/L)	--	1	1.6	1.7	1.9	2.0 B	2.5	1.8	2.2	1.9	2.5	1.9
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	270	260	250	250	240	240	230	230	220	230
Chloride (mg/L)	250	1	170	24	28	27	25	19	22	20	17	12
Nitrate (mg/L)	10	1	0.027 F ♦	U	U	0.024 F	U	0.015 F	U	U	U	U
Sulfate (mg/L)	250	1	12	8.2	7.9	7.7	7.4	6.5	7	6.7	6.5	5.5
Field Parameters												
ORP (mV)	--	--	-125	-144	-56	-47	-80	-77	-104	-138	-102	-161
Dissolved Oxygen (mg/L)	--	--	0.00	1.63	1.39	0.00	2.05	6.35	7.49	5.00	7.43	0.00
pH	--	--	6.93	7.02	5.91	6.40	7.45	6.86	7.52	7.75	7.8	7.43
Ferrous iron (mg/L)	--	--	2.4	1.8	NS	1.0	1.2	1.8	1.2	1.0	1.8	1.1

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-78								
Sample Identification			782VMW7840JA	782VMW7840KA	782VM7840LA	782VM7840MA	782VM7840NA	782VMW-78_1116	782VMW-78_1117	782VMW-78_1018	782VMW-78_0619
Date of Collection			4/10/2012	9/25/2012	3/13/2013	9/24/2013	9/29/2014	11/16/2016	11/27/2017	10/24/2018	6/18/2019
VOCs (µg/L)											
1,1-Dichloroethane	5*	1.0	0.160 F	U	U	0.150 F	U	UJ	U	UJ	UJ
1,1-Dichloroethene	5*	1.0	U	U	U	U	0.130 F	UJ	U	UJ	UJ
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	UJ	U	UJ	UJ
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	UJ	U	UJ	UJ
4-Chlorotoluene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
Acetone	50	10	1.14 F	U	11.2 FB	1.36 FB	U	3.7 J	U	3.8 J ♦	6.7 UB
Benzene	1	0.4	0.280 F	U	0.340 F	0.270 F	0.260 F	0.29 J	U	0.31 J	0.36 J ♦
Bromomethane	5*	3.0	U	U	U	U	U	UJ	U	UJ	UJ
2-Butanone	50	10	U	U	U	U	U	UJ	U	UJ	UJ
Chlorobenzene	5*	0.5	U	U	U	U	U	UJ	U	UJ	UJ
Chloroform	7	0.3	U	U	U	U	U	UJ	U	UJ	UJ
Chloromethane	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
cis-1,2-Dichloroethene	5*	1.0	40.9	46.7	45.7	42.3	51.0	53 J	50.0	61 J D ♦	61 J ♦
Ethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
Isopropylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	UJ	U	UJ	UJ
Methylene chloride	5*	1.0	U	U	0.540 F	U	U	UJ	U	0.32 J ♦	UJ
n-Butylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
n-Propylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
m,p-Xylene	5*	2.0	U	U	U	U	U	UJ	U	UJ	UJ
Naphthalene	10	1.0	U	U	U	U	U	UJ	U	UJ	UJ
o-Xylene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
sec-Butylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
tert-Butylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
Toluene	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
trans-1,2-Dichloroethene	5*	1.0	4.29	3.94	4.12	3.89	4.23	4.1 J♦	4	3.8 J D ♦	4.7 J ♦
Trichloroethene (TCE)	5*	1.0	U	U	U	U	U	UJ	U	UJ	UJ
Vinyl chloride	2	1.0	5.57	6.38	8.00	7.2	4.58	6.5 J♦	7.5♦	14 J	26 J
Xylenes, total	5*	2	U	U	U	U	U	U	U	UJ	UJ
Total VOCs	--	--	52.34	57.02	69.9	55.17	60.2	67.59	61.5	81.22 ♦	98.76
Wet Chemistry											
DOC (mg/L)	--	1	1.4	1.4	1.5	1.4	1.3	1.5♦	1.9	1.5 ♦	1.4
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	230	230	230	230	NS	NS	NS	NS	NS
Chloride (mg/L)	250	1	11	10	11	12	NS	NS	NS	NS	NS
Nitrate (mg/L)	10	1	U	U	U	U	NS	NS	NS	NS	NS
Sulfate (mg/L)	250	1	5.7	5.6	8.4	5	NS	NS	NS	NS	NS
Field Parameters											
ORP (mV)	--	--	-136	-97	-145	-120	-129	-213	-101	-191	-184
Dissolved Oxygen (mg/L)	--	--	2.48	10.47	0.43	10.39	3.21	1.01	0.00	1.60	0.42
pH	--	--	7.13	7.65	7.65	7	7.36	6.72	7.14	7.73	8.28
Ferrous iron (mg/L)	--	--	1.2	1.6	1.6	2.8	2.1	2.0	2.0	NS	NS

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-81									
Sample Identification			782VM8146AA	782VM8146AB	782VM8146BB	782VM8146CA	782VM8146DA	782VM8146EB	782VM8146FB	782VM8146GA	782VM8146HA	782VM8146IA
Date of Collection			11/14/2006	9/24/2008	12/30/2008	4/15/2009	6/16/2009	9/21/2009	4/15/2010	9/28/2010	4/6/2011	9/13/2011
VOCs (µg/L)												
1,1-Dichloroethane	5*	1.0	U	U	U	U	0.110 F	U	U	U	0.130 F	U
1,1-Dichloroethene	5*	1.0	U	U	U	U	0.190 F	U	U	U	0.190 F	U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Acetone	50	10	U	U	U	U	U	U	U	2.30 F	1.63 FB	U
Benzene	1	0.4	U	U	U	U	U	U	U	U	U	U
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	10	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U
Chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U
Chloromethane	5*	1.0	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	1.0	11.5	14.0	18.4	18.0	21.2	23.4	28.7	23.9	32.4	26.8
Ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	5*	2.0	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	1.0	U	U	U	U	U	U	U	U	U	U
o-Xylene	5*	1.0	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	1.09	0.940 F	1.01	1.02	1.13	0.970 F	1.35	1.00	1.29	1.06
Trichloroethene (TCE)	5*	1.0	2.7	3.49	4.81	4.89	6.72	4.82	4.42	3.85	5.67	5.64
Vinyl chloride	2	1.0	8.86	5.68	6.67	3.73	4.45	4.55	4.68	4.14	5.35	3.12
Xylenes, total	5*	2	U	U	U	U	U	U	U	U	U	U
Total VOCs	--	--	24.15	24.11	30.89	27.64	33.8	33.74	39.15	35.19	46.66	36.62
Wet Chemistry												
DOC (mg/L)	--	1	0.58 F	1.7	0.84	0.88 F	0.65 F	1.7	1.4	1.3	1.4	1.1
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	220	220	230	200	210	210	210	220	220	230
Chloride (mg/L)	250	1	48	29	26	24	21	18	20	17	16	16
Nitrate (mg/L)	10	1	U	U	U	0.036 F	0.022 F	0.024 F	0.035 F	U	U	U
Sulfate (mg/L)	250	1	4.7	5.0	6.3	6.7	7.2	7.3	8.5	8.5	7.7	7.1
Field Parameters												
ORP (mV)	--	--	144	-182	-101	-50	-50	-61	-83	-131	-95	-141
Dissolved Oxygen (mg/L)	--	--	1.40	1.69	0.67	2.71	2.84	6.44	0.00	4.92	8.32	0.00
pH	--	--	6.94	7.61	7.81	6.38	7.56	7.22	8.00	7.81	7.8	7.55
Ferrous iron (mg/L)	--	--	1.0	1.0	NS	1.0	0.1	0.8	0.4	0.8	0.8	0.5

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-81										
Sample Identification			782VM8146JA	782VM8146KA	782VM8146LA	782VM8146MA	782VM8146NA	782VMW-81_1116	782VMW-81_1117	782VMW-81_0518	782VMW-81_1018	782VMW-81_0619	782VMW-81_1121
Date of Collection			4/10/2012	9/25/2012	3/12/2013	9/24/2013	9/29/2014	11/16/2016	11/27/2017	5/3/2018	10/24/2018	6/18/2019	11/16/2021
VOCs (µg/L)													
1,1-Dichloroethane	5*	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
1,1-Dichloroethene	5*	1.0	U	U	0.170 F	U	U	UJ	U	U	UJ	U	U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	UJ	U	U	UJ	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
Acetone	50	10	U	U	4.54 FB	8.02 FB	U	UJ	U	U	7.3 J	U	U
Benzene	1	0.4	U	U	U	U	U	UJ	U	U	UJ	U	U
Bromomethane	5*	3.0	U	U	U	U	U	UJ	U	U	UJ	U	U
2-Butanone	50	10	U	U	U	U	U	UJ	U	U	UJ	U	U
Chlorobenzene	5*	0.5	U	U	U	U	U	UJ	U	U	UJ	U	U
Chloroform	7	0.3	U	U	U	U	U	UJ	U	U	UJ	U	U
Chloromethane	5*	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
cis-1,2-Dichloroethene	5*	1.0	26.3	25.5	26.6	21.5	23.9	23.0 J	30.0	39.0 ♦	53 J	33	28.3
Ethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
Isopropylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	UJ	U	0.29 J ♦	UJ	U	U
Methylene chloride	5*	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
n-Butylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
n-Propylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
m,p-Xylene	5*	2.0	U	U	U	U	U	UJ	U	U	UJ	U	U
Naphthalene	10	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
o-Xylene	5*	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
sec-Butylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
tert-Butylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
Toluene	5*	1.0	U	U	U	U	U	UJ	U	U	UJ	U	U
trans-1,2-Dichloroethene	5*	1.0	1.14	1.00	1.16	0.900 F	0.920 F	1.1 J	0.92 J	1.1	1.1 J	1.3	1.5
Trichloroethene (TCE)	5*	1.0	3.77	3.41	4.12	4.42	5.14	4.4 J	1.30	0.93 J ♦	1.1 J	0.7 J	U
Vinyl chloride	2	1.0	3.09	2.61	4.07	2.6	2.15	3.5 J	3.6	3.1 ♦	4.2 J	4.6	4.6
Xylenes, total	5*	2	U	U	U	U	U	U	U	U	UJ	U	U
Total VOCs	--	--	34.3	32.52	40.66	37.44	32.11	32	35.9	44.42	66.7	39.6	34.4
Wet Chemistry													
DOC (mg/L)	--	1	0.68 F	0.72 F	0.83 F	0.72 F	0.57 F	0.91 J	1.3	NS	0.96 UB	0.81 J	NS
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	230	220	210	220	NS	NS	NS	NS	NS	NS	NS
Chloride (mg/L)	250	1	16	16	13	16	NS	NS	NS	NS	NS	NS	NS
Nitrate (mg/L)	10	1	U	U	U	U	NS	NS	NS	NS	NS	NS	NS
Sulfate (mg/L)	250	1	5.9	6.0	8.3	6.7	NS	NS	NS	NS	NS	NS	NS
Field Parameters													
ORP (mV)	--	--	-144	-50	-77	-110	-93	-122	-44	-76	-158	-114	-72
Dissolved Oxygen (mg/L)	--	--	1.52	2.01	0.00	0.00	2.69	1.49	4.81	4.44	1.50	2.29	0.37
pH	--	--	7.13	7.94	7.36	7.22	7.43	7.03	7.18	7.54	7.57	7.37	7.18
Ferrous iron (mg/L)	--	--	0.6	0.6	0.5	0.2	0.5	0.5	0.5	NS	NS	NS	NS

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-84									
Sample Identification			782VM8440AA	782VM8440AB	782VM8440BB	782VM8440CA	782VM8440DA	782VM8440EB	782VM8440FB	782VM8440GA	782VM8440HA	782VM8440IA
Date of Collection			11/15/2006	9/26/2008	12/31/2008	3/26/2009	6/17/2009	9/23/2009	4/19/2010	9/29/2010	4/5/2011	9/13/2011
VOCs (µg/L)												
1,1-Dichloroethane	5*	1.0	U	U	U	U	0.130 F	U	U	U	0.130 F	U
1,1-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Acetone	50	10	U	U	U	U	U	U	U	U	2.03 FB	U
Benzene	1	0.4	U	U	U	0.130 F	0.140 F	U	0.130 F	0.120 F	0.150 F	0.180 F
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	10	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U
Chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U
Chloromethane	5*	1.0	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	1.0	0.460 F	0.420 F	U	0.460 F	0.560 F	0.500 F	0.560 F	0.410 F	0.730 F	0.580 F
Ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	5.0	3.00 F	3.20 F	U	3.06 F	3.24 F	2.54 F	2.70 F	1.30 F	2.58 F	1.90 F
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	5*	2.0	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	1.0	U	U	U	U	U	U	U	U	U	U
o-Xylene	5*	1.0	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U	U	0.180 F	0.210 F	U	0.170 F	0.160 F	0.200 F	0.160 F
Trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U	U	U
Vinyl chloride	2	1.0	31.7	32.3	U	39.8	42.2	39.4	39.5	37.3	44.6	32.9
Xylenes, total	5*	2	U	U	U	U	U	U	U	U	U	U
Total VOCs	--	--	31.7	35.92	0	43.63	46.48	42.44	43.06	39.29	50.42	35.72
Wet Chemistry												
DOC (mg/L)	--	1	5.0	5.8	0.64 F	5.6	5.3	4.9	5.2	4.4	4.8	4.6
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	340	340	20	330	330	320	310	290	290	290
Chloride (mg/L)	250	1	48	68	0.48 F	45	39	38	35	27	35	27
Nitrate (mg/L)	10	1	0.046 F	U	0.19	U	0.014 F	0.020 F	0.039 F	U	U	U
Sulfate (mg/L)	250	1	2.7	45	0.76 F	3.2	4.1	2.9	1.6	U	0.73 F	U
Field Parameters												
ORP (mV)	--	--	-99	-113	136	-97	-126	-103	-114	-71	-127	-154
Dissolved Oxygen (mg/L)	--	--	1.12	0.62	9.84	0.00	0.00	4.11	0.00	0.00	0.00	7.58
pH	--	--	6.87	6.34	6.36	6.00	6.49	6.51	6.91	6.21	6.86	6.91
Ferrous iron (mg/L)	--	--	3.0	3.4	NS	2.0	4.8	5.5	4.2	4.6	4.2	NS

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-84								
Sample Identification			782VM8440JA	782VM8440KA	782VM8440LA	782VM8440MA	782VM8440NA	782VMW-84	782VMW-84	782VMW-84_1018	782VMW-84_0619
Date of Collection			4/11/2012	9/25/2012	3/13/2013	9/25/2013	9/30/2014	11/15/2016	11/28/2017	10/24/2018	6/19/2019
VOCs (µg/L)											
1,1-Dichloroethane	5*	1.0	0.110 F	0.110 F	0.150 F	U	U	UJ	U	UJ	U
1,1-Dichloroethene	5*	1.0	U	U	U	U	U	UJ	U	UJ	U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	U
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	UJ	U	UJ	U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	UJ	U	UJ	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	UJ	U	UJ	U
Acetone	50	10	U	U	9.87 FB	1.85 FB	U	UJ	U	UJ	29 UB
Benzene	1	0.4	0.240 F	0.260 F	0.420 F	0.420 F	0.320 F	2.1 J	U	0.21 J	0.38 J
Bromomethane	5*	3.0	U	U	U	UJ	U	UJ	U	UJ	U
2-Butanone	50	10	U	U	U	U	U	UJ	U	UJ	U
Chlorobenzene	5*	0.5	U	U	U	U	U	UJ	U	UJ	U
Chloroform	7	0.3	U	U	U	U	0.110 F	UJ	U	UJ	U
Chloromethane	5*	1.0	U	U	U	U	U	UJ	U	UJ	U
cis-1,2-Dichloroethene	5*	1.0	0.610 F	0.820 F	0.750 F	0.610 F	0.970 F	0.59 J	U	0.64 J	0.62 J
Ethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	U
Isopropylbenzene	5*	1.0	U	U	U	UJ	U	UJ	U	UJ	U
Methyl tert-butyl ether	10	5.0	1.72 F	1.03 F	1.88 F	2.60 F	2.63 F	1.9 J	1.7 J	0.72 J	1.2 J
Methylene chloride	5*	1.0	U	U	U	U	U	UJ	U	UJ	U
n-Butylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	U
n-Propylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	U
m,p-Xylene	5*	2.0	U	U	U	U	U	UJ	U	UJ	U
Naphthalene	10	1.0	U	U	U	U	U	UJ	U	UJ	U
o-Xylene	5*	1.0	U	U	U	U	U	UJ	U	UJ	U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	UJ	U	UJ	U
sec-Butylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	U
tert-Butylbenzene	5*	1.0	U	U	U	U	U	UJ	U	UJ	U
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	UJ	U	UJ	U
Toluene	5*	1.0	U	U	U	U	U	UJ	U	UJ	U
trans-1,2-Dichloroethene	5*	1.0	0.160 F	0.190 F	0.220 F	0.210 F	0.170 F	0.16 J	U	0.15 J	0.23 J
Trichloroethene (TCE)	5*	1.0	U	U	U	U	U	UJ	U	UJ	U
Vinyl chloride	2	1.0	33.0	35.8	46.5	32.1	25.0	25.0 J	23	32 J	25
Xylenes, total	5*	2	U	U	U	U	U	U	U	UJ	U
Total VOCs	--	--	35.84	38.21	59.79	37.79	29.2	29.75	24.7	33.72	56.43
Wet Chemistry											
DOC (mg/L)	--	1	4.7	3.8	4.1	4.0	3.8	4.8	5.2	2.9	5.1
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	300	280	300	330	NS	NS	NS	NS	NS
Chloride (mg/L)	250	1	25	23	24	30	NS	NS	NS	NS	NS
Nitrate (mg/L)	10	1	U	U	U	U	NS	NS	NS	NS	NS
Sulfate (mg/L)	250	1	U	U	0.71 F	1.8	NS	NS	NS	NS	NS
Field Parameters											
ORP (mV)	--	--	-158	-129	-138	-120	-132	-148	-50	-200	-164
Dissolved Oxygen (mg/L)	--	--	0.00	0.00	0.00	0.00	4.70	0.99	0.44	1.20	0.09
pH	--	--	6.78	6.95	6.90	6.88	6.74	6.79	6.97	7.46	6.9
Ferrous iron (mg/L)	--	--	3.0	3.0	3.4	3.0	6.0	2.5	NS	NS	NS

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-84D								
Sample Identification			782VM84D50AB	782VM8440BB	782VM84D50CA	782VM84D50DA	782VM84D50EB	782VM84D50FB	782VM84D50GA		782VM84D50IA
Date of Collection			9/26/2008	12/31/2008	3/25/2009	6/17/2009	9/23/2009	4/19/2010	9/28/2010		9/14/2011
VOCs (µg/L)											
1,1-Dichloroethane	5*	1.0	U	U	U	U	U	U	U		U
1,1-Dichloroethene	5*	1.0	U	U	U	U	U	U	U		U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U		U
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	U	U		U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U		U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U		U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U		U
Acetone	50	10	U	2.34 F	2.74 F	1.25 F	2.85 F	2.41 F	1.33 F		U
Benzene	1	0.4	U	U	U	U	U	U	0.180 F		0.280 F
Bromomethane	5*	3.0	U	U	U	U	U	U	U		U
2-Butanone	50	10	U	U	U	U	U	U	U		U
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U		U
Chloroform	7	0.3	U	U	U	U	U	U	U		U
Chloromethane	5*	1.0	U	U	U	U	U	U	U		U
cis-1,2-Dichloroethene	5*	1.0	0.340 F	U	U	U	0.110 F	0.140 F	0.350 F		0.330 F
Ethylbenzene	5*	1.0	U	U	U	U	U	U	U		U
Isopropylbenzene	5*	1.0	U	U	U	U	U	U	U		U
Methyl tert-butyl ether	10	5.0	4.36 F	U	1.94 F	U	1.43 F	1.51 F	2.60 F		2.29 F
Methylene chloride	5*	1.0	U	U	U	U	U	U	U		U
n-Butylbenzene	5*	1.0	U	U	U	U	U	U	U		U
n-Propylbenzene	5*	1.0	U	U	U	U	U	U	U		U
m,p-Xylene	5*	2.0	U	U	U	U	U	U	U		U
Naphthalene	10	1.0	U	U	U	U	U	U	U		U
o-Xylene	5*	1.0	U	U	U	U	U	U	U		U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	U	U		U
sec-Butylbenzene	5*	1.0	U	U	U	U	U	U	U		U
tert-Butylbenzene	5*	1.0	U	U	U	U	U	U	U		U
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U		U
Toluene	5*	1.0	U	U	U	U	U	U	U		U
trans-1,2-Dichloroethene	5*	1.0	0.180 F	U	U	U	U	U	0.210 F		0.170 F
Trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U		U
Vinyl chloride	2	1.0	29.7	U	8.83	1.18	12.8	10.9	28.7		22.9
Xylenes, total	5*	2	U	U	U	U	U	U	U		U
Total VOCs	--	--	34.58	2.34	13.51	2.43	17.19	14.96	33.37		25.97
Wet Chemistry											
DOC (mg/L)	--	1	6.0	1.4	4.4	2.8	4.2	3.9	4.8		4.8
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS		NS
Alkalinity (mg/L)	--	10	350	260	72	48	170	180	310		290
Chloride (mg/L)	250	1	50	1.5	20	1.4	18	19	96		150
Nitrate (mg/L)	10	1	U	0.14	0.14	0.016 F	0.063 F	0.18	U		U
Sulfate (mg/L)	250	1	7.4	5.4	6.5	14	7.8	4.2	2.0		U
Field Parameters											
ORP (mV)	--	--	-114	-33	40	-3	-61	-74	-48		-146
Dissolved Oxygen (mg/L)	--	--	0.51	8.22	0.20	0.66	5.43	0.84	0.00		0.00
pH	--	--	6.50	9.30	10.79	11.14	7.21	7.26	6.77		7.03
Ferrous iron (mg/L)	--	--	3.6	NS	0.0	0.0	1.2	0.0	3.6		3.6

Monitoring well not sampled, annual sampling frequency.

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-84D							
Sample Identification			782VM84D50KA	782VM84D50MA	782VM84D50NA	782VMW-84D_1116	782VMW-84D_0217	782VMW-84D_1117		782VMW-84D_0619
Date of Collection			9/25/2012	9/26/2013	9/30/2014	11/15/2016	2/9/2017	11/28/2017		6/20/2019
VOCs (µg/L)										
1,1-Dichloroethane	5*	1.0	0.120 F	U	U		U	U		U
1,1-Dichloroethene	5*	1.0	U	U	U		U	U		U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U		U	U		U
1,2-Dichlorobenzene	3	1.0	U	U	U		U	U		U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U		U	U		U
1,4-Dichlorobenzene	3	0.5	U	U	U		U	U		U
4-Chlorotoluene	5*	1.0	U	U	U		U	U		U
Acetone	50	10	U	5.93 FB	U		U	U		8.3 UB
Benzene	1	0.4	0.310 F	0.71	0.190 F		0.22 J	U		U
Bromomethane	5*	3.0	U	U	U		U	U		U
2-Butanone	50	10	U	U	U		U	U		2.2 J
Chlorobenzene	5*	0.5	U	U	U		U	U		U
Chloroform	7	0.3	U	U	U		U	U		U
Chloromethane	5*	1.0	U	U	U		U	U		U
cis-1,2-Dichloroethene	5*	1.0	0.420 F	0.440 F	0.800 F		0.42 J	U		0.18 J
Ethylbenzene	5*	1.0	U	U	U		U	U		0.51 J
Isopropylbenzene	5*	1.0	U	U	U		U	U		U
Methyl tert-butyl ether	10	5.0	1.88 F	1.13 F	1.39 F		1.6 J	1.3 J		0.7 J
Methylene chloride	5*	1.0	U	U	U		U	U		U
n-Butylbenzene	5*	1.0	U	U	U		U	U		U
n-Propylbenzene	5*	1.0	U	U	U		U	U		U
m,p-Xylene	5*	2.0	U	U	U		U	U		0.31 UB
Naphthalene	10	1.0	U	U	U		U	U		U
o-Xylene	5*	1.0	U	U	U		U	U		0.26 J
p-Isopropyltoluene	5*	1.0	U	U	U		U	U		U
sec-Butylbenzene	5*	1.0	U	U	U		U	U		U
tert-Butylbenzene	5*	1.0	U	U	U		U	U		U
Tetrachloroethene (PCE)	5*	1.0	U	U	U		U	U		U
Toluene	5*	1.0	U	U	U		U	U		U
trans-1,2-Dichloroethene	5*	1.0	0.200 F	0.160 F	0.150 F		U	U		U
Trichloroethene (TCE)	5*	1.0	U	U	U		U	U		U
Vinyl chloride	2	1.0	24.6	38.3	24.6		22	16		8.6
Xylenes, total	5*	2	U	U	U		U	U		0.57 UB
Total VOCs	--	--	27.53	46.67	27.13		24.24	17.3		21.06
Wet Chemistry										
DOC (mg/L)	--	1	4.2	2.8	3.4		NS	4.0		4.6
TOC (mg/L)	--	1	NS	NS	NS		NS	NS		NS
Alkalinity (mg/L)	--	10	310	260	NS		NS	NS		NS
Chloride (mg/L)	250	1	27	230	NS		NS	NS		NS
Nitrate (mg/L)	10	1	U	U	NS		NS	NS		NS
Sulfate (mg/L)	250	1	1.2	U	NS		NS	NS		NS
Field Parameters										
ORP (mV)	--	--	-99	-133	-144		-122	-85		-65
Dissolved Oxygen (mg/L)	--	--	0.00	0.00	2.91		1.64	0.00		3.72
pH	--	--	6.94	7.08	6.96		7.12	6.96		6.89
Ferrous iron (mg/L)	--	--	3.0	4.2	5.0		NS	NS		NS

Incorrect well sampled

This monitoring well was not sampled in 2018 due to misidentification of the well.

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-93										
Sample Identification			782VM9335AA	782VM9335AB		782VM9335CA	782VM9335DA	782VM9335EB	782VM9335FB	782VM9335GA	782VM9335HA		
Date of Collection			11/15/2006	9/26/2008		4/15/2009	6/16/2009	9/23/2009	4/19/2010	9/28/2010	4/5/2011		
VOCs (µg/L)													
1,1-Dichloroethane	5*	1.0	U	U	This monitoring well could not be sampled due to the large amount of run-off from the landfarm containing petroleum contaminated soils on Apron 2. This is contaminating the well with silt and petroleum constituents.	U	U	U	U	U	U	This monitoring well could not be not sampled. This well has been undermined during clean-up activities from the landfarm.	
1,1-Dichloroethene	5*	1.0	U	U		U	U	U	U	U	U		
1,2,4-Trimethylbenzene	5*	1.0	U	U		U	U	U	U	U	U		
1,2-Dichlorobenzene	3	1.0	U	U		U	U	U	U	U	U		
1,3,5-Trimethylbenzene	5*	1.0	U	U		U	U	U	U	U	U		
1,4-Dichlorobenzene	3	0.5	U	U		U	U	U	U	U	U		
4-Chlorotoluene	5*	1.0	U	U		U	U	U	U	U	U		
Acetone	50	10	U	176		1.94 F	U	U	U	U	2.03 FB		
Benzene	1	0.4	U	U		U	U	U	U	U	U		
Bromomethane	5*	3.0	U	U		U	U	U	U	U	U		
2-Butanone	50	10	U	90.0 J		U	U	U	U	U	U		
Chlorobenzene	5*	0.5	U	U		U	U	U	U	U	U		
Chloroform	7	0.3	U	U		0.280 F	U	U	U	U	U		
Chloromethane	5*	1.0	U	U		U	U	U	U	U	U		
cis-1,2-Dichloroethene	5*	1.0	U	U		U	U	U	0.590 F	U	U		
Ethylbenzene	5*	1.0	U	4.49		U	U	U	U	U	U		
Isopropylbenzene	5*	1.0	U	U		U	U	U	U	U	U		
Methyl tert-butyl ether	10	5.0	8.04 F	4.47 F		7.40	10.9	9.40 F	U	7.51	7.26		
Methylene chloride	5*	1.0	U	U		U	U	U	U	U	U		
n-Butylbenzene	5*	1.0	U	U		U	U	U	U	U	U		
n-Propylbenzene	5*	1.0	U	U		U	U	U	U	U	U		
m,p-Xylene	5*	2.0	U	U		U	U	U	U	U	U		
Naphthalene	10	1.0	U	U		U	U	U	U	U	U		
o-Xylene	5*	1.0	U	U		U	U	U	U	U	U		
p-Isopropyltoluene	5*	1.0	U	U		U	U	U	U	U	U		
sec-Butylbenzene	5*	1.0	U	U		U	U	U	U	U	U		
tert-Butylbenzene	5*	1.0	U	U		U	U	U	U	U	U		
Tetrachloroethene (PCE)	5*	1.0	U	U		U	U	U	U	U	U		
Toluene	5*	1.0	U	1150		1.78	1.70	0.800 F	U	0.390 F	0.330 F		
trans-1,2-Dichloroethene	5*	1.0	U	U		U	U	U	U	U	U		
Trichloroethene (TCE)	5*	1.0	U	U		U	U	U	U	U	U		
Vinyl chloride	2	1.0	54.6	17.2		35.1	62.6	54.6	2.31	48.6	45.9		
Xylenes, total	5*	2	U	U		U	U	U	U	U	U		
Total VOCs	--	--	54.6	1442.16		46.5	75.2	64.8	2.9	56.5	55.52		
Wet Chemistry													
DOC (mg/L)	--	1	2.7	120		11	2.9	3.5	1.7	3.5	6.0		
TOC (mg/L)	--	1	NS	NS		NS	NS	NS	NS	NS	NS		
Alkalinity (mg/L)	--	10	320	520		320	330	360	250	300	240		
Chloride (mg/L)	250	1	32	37		49	56	53	140	36	22		
Nitrate (mg/L)	10	1	0.089 F	47		0.098 F	0.046 F	0.018 F	U	U	0.15 F		
Sulfate (mg/L)	250	1	0.36 F	0.99 F		13	0.61 F	U	U	U	0.80 F		
Field Parameters													
ORP (mV)	--	--	-20	-208		-76	-101	-104	-130	-57	-94		
Dissolved Oxygen (mg/L)	--	--	1.11	1.07		1.54	4.02	1.76	0.00	0.00	0.00		
pH	--	--	6.83	6.54		6.36	7.08	7.56	7.82	6.93	7.45		
Ferrous iron (mg/L)	--	--	0.2	1.6		1.0	NS	3.2	0.0	ns	3.0		

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-96														
Sample Identification			782VM9637AA	782VM9637AB	782VM9637BB	782VM9637CA	782VM9637DA		782VM9637JA	782VM9637KA	782VM9637LA	782VM9637MA	782VM9637NA	782VMW-96_1116	782VMW-96_1117		782VMW-96_0619
Date of Collection			11/14/2006	9/25/2008	12/31/2008	3/26/2009	6/17/2009		4/10/2012	9/25/2012	3/13/2013	9/25/2013	9/30/2014	11/15/2016	11/28/2017		6/18/2019
VOCs (µg/L)																	
1,1-Dichloroethane	5*	1.0	U	U	U	U	U	Monitoring well not sampled. This well was designated for sampling in the first year only of performance monitoring.	U	U	U	U	U	UJ	U	This monitoring well was not sampled in 2018 due to misidentification of the well.	U
1,1-Dichloroethene	5*	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U		U	U	U	U	U	UJ	U		U
4-Chlorotoluene	5*	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
Acetone	50	10	U	U	U	U	U		U	U	8.76 FB	2.02 FB	U	2.3 J	U		U
Benzene	1	0.4	U	U	U	U	U		U	U	U	U	U	0.30 J	U		U
Bromomethane	5*	3.0	U	U	U	U	U		U	U	U	UJ	U	UJ	U		U
2-Butanone	50	10	U	U	U	U	U		U	U	U	U	U	UJ	U		U
Chlorobenzene	5*	0.5	U	U	U	U	U		U	U	U	U	U	UJ	U		U
Chloroform	7	0.3	U	U	U	U	U		U	U	U	U	U	UJ	U		U
Chloromethane	5*	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
cis-1,2-Dichloroethene	5*	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
Ethylbenzene	5*	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
Isopropylbenzene	5*	1.0	U	U	U	U	U		U	U	U	UJ	U	UJ	U		U
Methyl tert-butyl ether	10	5.0	7.72 F	12.7	10.5	12.3	7.28 F		10.7	8.78 F	11.2	8.36 F	10.2	9.5 J	9		8.2
Methylene chloride	5*	1.0	U	U	U	U	U		U	U	0.700 F	U	U	UJ	UJ		U
n-Butylbenzene	5*	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
n-Propylbenzene	5*	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
m,p-Xylene	5*	2.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
Naphthalene	10	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
o-Xylene	5*	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
sec-Butylbenzene	5*	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
tert-Butylbenzene	5*	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
Toluene	5*	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
Trichloroethene (TCE)	5*	1.0	U	U	U	U	U		U	U	U	U	U	UJ	U		U
Vinyl chloride	2	1.0	68.2	49.6	50.9	46.6	28.3		45.8	44.9	63.7	47	35.6	40.0 J	43		39
Xylenes, total	5*	2	U	U	U	U	U		U	U	U	U	U	UJ	U		U
Total VOCs	--	--	68.2	62.3	61.4	58.9	35.58		56.5	53.68	84.36	57.38	45.8	52.1	52		47.2
Wet Chemistry																	
DOC (mg/L)	--	1	2.5	2.3	2.6	3.4	2.6		2.7	2.4	2.7	2.2	2.0	2.7	2.9		2.4
TOC (mg/L)	--	1	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS		NS
Alkalinity (mg/L)	--	10	320	320	310	330	320		330	310	300	290	NS	NS	NS		NS
Chloride (mg/L)	250	1	54	42	44	46	44		56	54	63	55 J	NS	NS	NS		NS
Nitrate (mg/L)	10	1	0.035 F	0.041 F	0.068	U	0.023 F		U	U	U	U	NS	NS	NS		NS
Sulfate (mg/L)	250	1	0.17 F	U	0.2	U	0.11 F		U	U	U	U	NS	NS	NS		NS
Field Parameters																	
ORP (mV)	--	--	124	-129	-69	-68	-127		-158	-78	-101	-125	-132	-149	-100		-120
Dissolved Oxygen (mg/L)	--	--	3.39	4.23	0.90	0.00	0.00		3.29	0.00	0.00	0.00	7.87	0.98	0.00		0.27
pH	--	--	7.28	6.98	6.60	6.12	6.06		6.89	7.51	6.99	7.06	6.64	7.03	7.07		7.19
Ferrous iron (mg/L)	--	--	1.5	1.8	NS	1.2	3.2		1.0	2.6	3.2	3.5	3.2	NS	0.0		NS

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-98				782VMW-100							
Sample Identification			782VM9829AA	782VM9832AB		782VMW-98_1118	782VM10025AB	782VM10025BB	782VM10025CA	782VM10025DA	782VM10025EB	782VM10025FB	782VM10025GA	782VM10025HA
Date of Collection			11/14/2006	9/24/2008	11/15/2016	11/1/2018	9/26/2008	12/31/2008	3/25/2009	6/17/2009	9/21/2009	4/15/2010	9/28/2010	4/7/2011
VOCs (µg/L)														
1,1-Dichloroethane	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	3	1.0	U	U		U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U		U	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
Acetone	50	10	U	U		10 J ♦	U	U	1.20 F	U	3.68 F	1.19 F	3.36 F	2.95 FB
Benzene	1	0.4	U	U		U	U	U	U	U	U	U	U	U
Bromomethane	5*	3.0	U	U		U	U	U	U	U	U	U	U	U
2-Butanone	50	10	U	U		U	U	U	U	U	U	U	U	U
Chlorobenzene	5*	0.5	U	U		U	U	U	U	U	U	U	U	U
Chloroform	7	0.3	U	U		U	U	U	U	U	U	U	U	U
Chloromethane	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
Ethylbenzene	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	5.0	U	U		U	U	U	U	U	U	U	U	U
Methylene chloride	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
m,p-Xylene	5*	2.0	U	U		U	U	U	U	U	U	U	U	U
Naphthalene	10	1.0	U	U		U	U	U	U	U	U	U	U	U
o-Xylene	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	1.0	U	U		U	U	U	U	U	U	U	U	U
Vinyl chloride	2	1.0	U	U		U	U	U	U	U	U	U	U	U
Xylenes, total	5*	2	U	U		U	U	U	U	U	U	U	U	U
Total VOCs	--	--	0	0		10	0	0	1.2	0	3.68	1.19	3.36	2.95
Wet Chemistry														
DOC (mg/L)	--	1	0.26 F	0.56 F		6.0 J	4.2	4	2.5 B	3.7	4.6	4.2	3.5	3.0
TOC (mg/L)	--	1	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	200	190		NS	280	180	150	230	300	190	300	150
Chloride (mg/L)	250	1	4.0	11		NS	5.2	3.4	2.2	1.5	1.8	3.5	3.5	2.3
Nitrate (mg/L)	10	1	0.33 F	0.44		NS	1.8	U	U	U	0.015 F	U	U	U
Sulfate (mg/L)	250	1	5.1	6.6		NS	11	16	15	6.1	16	7.4	10	21
Field Parameters														
ORP (mV)	--	--	161	65		47	38	-16	0	-51	-102	-78	-57	-32
Dissolved Oxygen (mg/L)	--	--	5.32	5.48		6.42	1.43	2.19	0.00	0.00	1.61	0.00	5.01	0.00
pH	--	--	6.55	7.21		7.45	6.35	8.15	6.92	7.18	7.62	7.52	7.51	7.53
Ferrous iron (mg/L)	--	--	0.0	0.0		NS	0.2	NS	0.6	0.8	1.6	0.8	1.8	0.6

This monitoring well not sampled due to upgradient status.

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-100							
Sample Identification			782VM10025IA	782VM10025JA	782VM10025KA	782VM10025LA	782VM10025MA	782VM10025NA	782VMW-100_1116	782VMW-100_1018
Date of Collection			9/14/2011	4/10/2012	9/25/2012	3/12/2013	9/26/2013	10/1/2014	11/15/2016	10/31/2018
VOCs (µg/L)										
1,1-Dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U
Acetone	50	10	U	U	1.57 F	5.9 FB	4.50 FB	1.52 F	U	U
Benzene	1	0.4	U	U	U	U	U	U	U	U
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U
2-Butanone	50	10	U	U	U	U	U	U	U	U
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
Chloroform	7	0.3	U	U	U	U	U	U	U	U
Chloromethane	5*	1.0	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
Ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	1.0	U	U	U	U	U	U	U	U
m,p-Xylene	5*	2.0	U	U	U	U	U	U	U	U
Naphthalene	10	1.0	U	U	U	U	U	U	U	U
o-Xylene	5*	1.0	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U
Vinyl chloride	2	1.0	U	U	U	U	U	U	U	U
Xylenes, total	5*	2	U	U	U	U	U	U	U	U
Total VOCs	--	--	0	0	1.57 F	5.9	4.5	1.52	0	0
Wet Chemistry										
DOC (mg/L)	--	1	4.1	3.1	3.4	2.4	3.2	3.6	3.7	3.5
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	300	190	330	180	240	NS	NS	NS
Chloride (mg/L)	250	1	4.5	4.0	3.9	2.0	13.0	NS	NS	NS
Nitrate (mg/L)	10	1	U	U	U	U	U	NS	NS	NS
Sulfate (mg/L)	250	1	15	11	140	33	12	NS	NS	NS
Field Parameters										
ORP (mV)	--	--	-52	-62	101	-62	-100	29	-172	-143
Dissolved Oxygen (mg/L)	--	--	0.00	0.00	0.00	0.00	0.00	0.76	1.24	1.24
pH	--	--	7.00	7.39	6.94	7.61	7.16	6.97	7.05	6.76
Ferrous iron (mg/L)	--	--	1.6	0.0	0.4	0.5	0.6	0.4	NS	NS

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-101										
Sample Identification			782VM10118AA	782VM10118AB	782VM10118BB	782VM10118CA	782VM10118DA	782VM10118EB	782VM10118FB	782VM10118GA	782VM10118HB	782VM10118IA	782VM10118JA
Date of Collection			11/15/2006	9/24/2008	12/30/2008	3/26/2009	6/16/2009	9/21/2009	4/15/2010	9/28/2010	4/6/2011	9/14/2011	4/10/2012
VOCs (µg/L)													
1,1-Dichloroethane	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	10	U	U	U	U	U	1.96 F	U	U	2.68 FB	3.23 FB♦	U
Benzene	1	0.4	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	10	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	1.0	U	U	U	U	0.120 F	U	U	U	U	U	U
Ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	5.0	1.87 F	7.09	6.78	6.37	5.70	6.64 ♦	9.15 ♦	5.45	8.63 ♦	3.03 F	4.11 F♦
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	5*	2.0	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	1.0	U	U	U	U	U	U	U	U	U	U	U
o-Xylene	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U	U	U	U
Vinyl chloride	2	1.0	1.88	2.02	2.09 ♦	1.85 ♦	2.69	2.38	5.27 ♦	2.93	5.77	0.810 F	1.02
Xylenes, total	5*	2	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	--	--	3.75	9.11	8.81	8.22	8.51	10.92	14.42	8.38	17.08	7.07	5.13
Wet Chemistry													
DOC (mg/L)	--	1	2.2	4.1	3.8 ♦	3.9	3.3	3.6 ♦	4.9 ♦	2.9	4.2 J	2.2	2.9
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	260	310	340	320	320	320	320	270	320 ♦	290	280
Chloride (mg/L)	250	1	4.3	21	31	25 ♦	17 ♦	28	38 ♦	27 ♦	41 ♦	21 B	21 ♦
Nitrate (mg/L)	10	1	0.021 F	0.037 F	U	0.021 F ♦	U	U	U	U	U	U	U
Sulfate (mg/L)	250	1	3.9	150	140	130	140	120	210	170	230	110	130
Field Parameters													
ORP (mV)	--	--	-131	-89	-49	-46	-76	-89	-99	22	-59	-100	-128
Dissolved Oxygen (mg/L)	--	--	5.99	1.36	1.41	0.00	0.48	2.19	0.00	0.00	0.00	0.00	0.00
pH	--	--	6.95	5.76	6.65	5.36	7.09	7.86	6.9	6.52	7.2	7.16	6.88
Ferrous iron (mg/L)	--	--	4.2	3.8	NS	1.6	1.8	2.9	4.1	2.6	0.4	1.8	3.0

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-101								
Sample Identification			782VM10118KA	782VM10118LA	782VM10118MA	782VM10118NA	782VMW-101_1116	782VMW-101_1117	782VMW-101_1018	782VMW-101_0619	782VMW-101_1121
Date of Collection			9/26/2012	3/12/2013	9/25/2013	10/1/2014	11/15/2016	11/28/2017	10/31/2018	6/18/2019	11/16/2021
VOCs (µg/L)											
1,1-Dichloroethane	5*	1.0	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U	U
Acetone	50	10	U	6.76 FB♦	4.94 FB	U	U	U	3.2 J	U	U
Benzene	1	0.4	U	U	U	U	U	U	U	U	U
Bromomethane	5*	3.0	U	U	UJ	U	U	U	U	U	U
2-Butanone	50	10	U	U	U	U	U	U	U	U	U
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U
Chloroform	7	0.3	U	U	U	U	U	U	U	U	U
Chloromethane	5*	1.0	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U	U
Ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	1.0	U	U	UJ	U	U	U	U	U	U
Methyl tert-butyl ether	10	5.0	3.16 F♦	7.57 ♦	2.90 F	2.16 F♦	3.5 J	4.2 J	4.4 J	2.8 J	0.97 J
Methylene chloride	5*	1.0	0.190 F	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U
m,p-Xylene	5*	2.0	U	U	U	U	U	U	U	U	U
Naphthalene	10	1.0	U	U	U	U	U	U	U	U	U
o-Xylene	5*	1.0	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U	U
Vinyl chloride	2	1.0	0.590 F♦	5.04 ♦	3.34 ♦	0.470 F♦	0.73 J	0.92 J	1.1 J	2.6	2.6
Xylenes, total	5*	2	U	U	U	U	U	U	U	U	U
Total VOCs	--	--	3.77	19.37	11.18	2.63	4.23	5.12	8.7	5.4	3.57
Wet Chemistry											
DOC (mg/L)	--	1	2.0	3.5	2.1	1.6	2.6	2.9	2.8	1.9	NS
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	330 ♦	330	320	NS	NS	NS	NS	NS	NS
Chloride (mg/L)	250	1	26	34	19	NS	NS	NS	NS	NS	NS
Nitrate (mg/L)	10	1	U	U	U	NS	NS	NS	NS	NS	NS
Sulfate (mg/L)	250	1	100 ♦	220 ♦	58	NS	NS	NS	NS	NS	NS
Field Parameters											
ORP (mV)	--	--	-70	-112	-92	-100	-47	-24	-155	-72	-38
Dissolved Oxygen (mg/L)	--	--	0.00	0.00	0.99	1.70	2.28	0.00	1.08	0.52	0.36
pH	--	--	6.98	7.15	6.95	6.99	7.36	7.26	6.8	6.92	7.04
Ferrous iron (mg/L)	--	--	2.6	2.9	2.8	2.0	NS	NS	NS	NS	NS

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-105B									
Sample Identification			782VM105B33AA	782VM105B33AB	782VM105B36BB	782VM105B36CA	782VM105B36DA	782VM105B36EB	782VM105B36FB	782VM105B36GA	782VM105B36HB	782VM105B36IB
Date of Collection			11/14/2006	9/24/2008	12/30/2008	4/15/2009	6/17/2009	9/21/2009	4/15/2010	9/29/2010	4/6/2011	9/13/2011
VOCs (µg/L)												
1,1-Dichloroethane	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	1.0	U	28.7	64.1 M♦	157 J♦	123	35.5 ♦	1.06 F	U	U	U
1,2-Dichlorobenzene	3	1.0	U	U	U	0.220 F	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	1.0	U	44.4	44.5 M♦	66.5	32.7	17.0 ♦	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	0.110 F	U	U
Acetone	50	10	U	U	U	U	U	U	U	7.56 F	3.61 FB	U
Benzene	1	0.4	U	0.180 F	U	U	U	U	U	U	U	U
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	10	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U
Chloroform	7	0.3	U	U	U	U	U	U	U	0.160 F	0.150 F♦	U
Chloromethane	5*	1.0	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	1.0	0.510 F	1.36	1.88 F	1.30 F♦	0.720 F ♦	3.00 ♦	4.70 ♦	4.83 ♦	3.26 J♦	2.83
Ethylbenzene	5*	1.0	U	31.8	22.6	65.4 M♦	29.1 ♦	21.0 ♦	U	U	U	U
Isopropylbenzene	5*	1.0	U	37.4	25.5 M♦	30.9 ♦	18.3 ♦	24.4	1.22 F	0.570 F	0.15 F♦	0.130 F
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5*	1.0	U	U	0.38 F♦	U	U	U	U	U	U	U
n-Butylbenzene	5*	1.0	U	1.08	1.12 F	1.80 F♦	1.24 F	1.10 F ♦	U	U	U	U
n-Propylbenzene	5*	1.0	U	36.4	26.0 M♦	31.1 ♦	18.1 ♦	22.6 ♦	0.640 F	0.110 F	U	U
m,p-Xylene	5*	2.0	U	21.2	38.6 ♦	148 M♦	99.6 ♦	18.4 ♦	U	U	U	U
Naphthalene	10	1.0	U	29.3	15.8 ♦	36.7	20.9	17.1♦	0.880 F	U	U	U
o-Xylene	5*	1.0	U	U	0.560 F♦	1.10 F♦	0.220 F♦	U	U	U	U	U
p-Isopropyltoluene	5*	1.0	U	0.630 F	2.00 ♦	4.20	2.20	1.46 F ♦	U	U	U	U
sec-Butylbenzene	5*	1.0	U	6.43	4.74 ♦	5.96	3.10	4.98 ♦	1.10 F	0.770 F	0.330 F♦	0.300 F
tert-Butylbenzene	5*	1.0	U	0.790 F	U	U	0.400	0.540 F	U	0.120 F	U	U
Tetrachloroethene (PCE)	5*	1.0	0.130 F	0.360 F	0.380 F♦	0.680 F	U	0.400 F	0.500 F	0.450 F	0.600 F♦	0.360 F
Toluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	1.0	7.97	23.9	24.7	17.8	7.20 ♦	39.6 ♦	34.8	29.6	43.6 M ♦	24.3 ♦
Vinyl chloride	2	1.0	U	U	U	U	U	U	U	U	U	U
Xylenes, total	5*	2	U	21.2	39.2 ♦	150 M♦	U	U	U	U	U	U
Total VOCs	--	--	8.61	263.93	272.86	568.66	356.78	207.08	44.9	44.28	51.7	27.92
Wet Chemistry												
DOC (mg/L)	--	1	1.6	2.4	2.6 ♦	2.7 ♦	3.3 ♦	2.2	2.6 J♦	2.0 J	1.8 ♦	11.8
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	250	260	240	190	210 ♦	250	190	210	230	240
Chloride (mg/L)	250	1	12	11	9.3	6.7 ♦	7.5 ♦	7.5	4.9 ♦	7.5	11	7
Nitrate (mg/L)	10	1	0.32 F	0.68	0.39 ♦	0.17 ♦	0.21 ♦	0.33	0.083 F ♦	U	U	U
Sulfate (mg/L)	250	1	9.0	7.0	6.8	5.2 ♦	6.4 ♦	9.5	8.6 ♦	8.6 ♦	8.5	7.3
Field Parameters												
ORP (mV)	--	--	-22	-199	-145	-138	-147	-152	-133	-170	-120	-173
Dissolved Oxygen (mg/L)	--	--	0.00	1.53	0.78	0.34	0.00	5.56	0.93	4.98	8.11	1.32
pH	--	--	7.01	7.36	7.49	6.50	7.40	7.18	7.68	7.37	7.43	7.25
Ferrous iron (mg/L)	--	--	0.5	2.0	NS	2.0	3.6	2.5	2.0	1.4	3.0	1.7

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-105B										
Sample Identification			782VM105B36JB	782VM105B36KB	782VM105B36LA	782VM105B36MA	782VM105B36NA	782VMW-105B_1116	782VMW-105B_1117	782VMW-105B_0518	782VMW-105B_1118	782VMW-105B_0619	782VMW-105B_1121 & 782VMW-105B_1121-a
Date of Collection			4/10/2012	9/26/2012	3/12/2013	9/24/2013	9/29/2014	11/16/2016	11/27/2017	5/3/2018	11/28/2018	6/18/2019	11/16/2021
VOCs (µg/L)													
1,1-Dichloroethane	5*	1.0	U	U	U	U	U	UJ	U	U	U	U	U
1,1-Dichloroethene	5*	1.0	U	U	U	U	U	UJ	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	13	3.5	1.4 ♦	U
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	UJ	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	4.4	1.1	0.37 J ♦	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	UJ	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	UJ	U	U	U	U	U
Acetone	50	10	1.20 FM	1.66 F	9.60 FB♦	7.97 FB♦	U	UJ	4.3 J	U	5.8 UB	U	U
Benzene	1	0.4	U	U	U	U	U	UJ	U	U	U	U	U
Bromomethane	5*	3.0	U	U	U	U	U	UJ	U	U	U	U	U
2-Butanone	50	10	U	U	U	U	U	UJ	U	22	5.6 J	4.7 J ♦	U
Chlorobenzene	5*	0.5	U	U	U	U	U	UJ	U	U	U	U	U
Chloroform	7	0.3	U	U	U	U	U	UJ	U	U	U	U	U
Chloromethane	5*	1.0	U	U	U	U	U	UJ	U	U	U	U	U
cis-1,2-Dichloroethene	5*	1.0	1.35	1.96	2.15 ♦	1.45	2.30	2.5 J	1.2♦	2.7	3.7	1.8 ♦	U
Ethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	U	U	U
Isopropylbenzene	5*	1.0	U	U	U	U	U	UJ	U	0.96 J	0.38 J	U	U
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	UJ	U	U	U	U	U
Methylene chloride	5*	1.0	U	0.180 F	U	U	U	UJ	U	U	U	U	U
n-Butylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	U	U	U
n-Propylbenzene	5*	1.0	U	U	U	U	U	UJ	U	0.42 J	0.29 J	U	U
m,p-Xylene	5*	2.0	U	U	U	U	U	UJ	U	0.87 J	U	0.4 J ♦	U
Naphthalene	10	1.0	U	U	U	U	U	UJ	U	0.73 J	0.54 J	U	U
o-Xylene	5*	1.0	U	U	U	U	U	UJ	U	U	U	U	U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	UJ	U	0.17 J	U	U	U
sec-Butylbenzene	5*	1.0	0.250 F	U	U	U	U	UJ	U	0.60 J	0.32 J	U	U
tert-Butylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	U	U	U
Tetrachloroethene (PCE)	5*	1.0	U	0.320 F	0.390 F	0.200 F	0.170 F	0.24 J♦	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	UJ	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	UJ	U	U	U	U	U
Trichloroethene (TCE)	5*	1.0	9.24 M♦	22.3	25.5 ♦	15.9 ♦	11.6	15.0 J	12	11	5	7.4	U
Vinyl chloride	2	1.0	U	U	U	U	U	UJ	U	U	U	U	U
Xylenes, total	5*	2	U	U	U	U	U	UJ	U	0.87 J	U	0.4 J ♦	U
Total VOCs	--	--	12.04	26.42	37.64	25.52	11.77	17.5	17.5	57.72	20.43	16.07	0
Wet Chemistry													
DOC (mg/L)	--	1	2.2	1.9 J♦	1.8 ♦	1.8	1.3 ♦	2	4.7	NS	12	5.9	NS
TOC (mg/L)	--	1	2.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	250	250	250	250	NS	NS	NS	NS	NS	NS	NS
Chloride (mg/L)	250	1	4.4	3.8	3.9	3.8	NS	NS	NS	NS	NS	NS	NS
Nitrate (mg/L)	10	1	0.12 F	0.15 F	0.15 F	0.34 F	NS	NS	NS	NS	NS	NS	NS
Sulfate (mg/L)	250	1	7.3	6.6	12	7.1	NS	NS	NS	NS	NS	NS	NS
Field Parameters													
ORP (mV)	--	--	-181	-119	-143	-123	-130	-153	-128	-109	NS	-166	-126
Dissolved Oxygen (mg/L)	--	--	6.60	4.70	0.00	0.00	4.39	1.46	2.39	10.93	NS	1.34	0.68
pH	--	--	7.00	7.24	7.59	7.68	6.95	6.99	7.17	7.23	NS	7.78	7.31
Ferrous iron (mg/L)	--	--	3.0	4.4	2.6	3.6	1.8	2.0	2.0	NS	NS	NS	NS

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782MW-10									
Sample Identification			782M1027AA	782M1027AB	782M1027BB	782VM1027CA	782M1027DA	782M1027EB	782M1027FB	782M1027GA	782M1027HA	782M1027IA
Date of Collection			11/14/2006	9/24/2008	12/31/2008	3/26/2009	6/16/2009	9/23/2009	4/19/2010	9/28/2010	4/5/2011	9/13/2011
VOCs (µg/L)												
1,1-Dichloroethane	5*	1.0	0.420 F	0.240 F	0.240 F	0.190 F	0.340 F	0.200 F	0.120 F	0.400 F	0.390 F	0.220 F
1,1-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	3	1.0	U			U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Acetone	50	10	U	U	1.14 F	U	U	1.47 F	1.19 F	U	2.03 FB	U
Benzene	1	0.4	0.420 F	0.250 F	0.250 F	0.200 F	0.310 F	0.190 F	0.170 F	0.510	0.480 F	0.390 F
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	10	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U
Chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U
Chloromethane	5*	1.0	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	1.0	43.9	23.0	23.9	16.6	32.2	20.1	12.7	40.2	40.0	28.5
Ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U		U
Methyl tert-butyl ether	10	5.0	0.220 F	U	0.170 F	U	0.280 F	U	U	0.280 F	0.270 F	U
Methylene chloride	5*	1.0	0.200 F	U	U	U	U	U	U	U	0.330 F	U
n-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	5*	2.0	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	1.0	U	U	U	U	U	U	U	U	U	U
o-Xylene	5*	1.0	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	2.92	1.69	1.71	1.27	2.22	1.41	0.970 F	3.19	3.17	2.39
Trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U	U	U
Vinyl chloride	2	1.0	17.4	10.8	13.0	10.2	18.1	12.1	7.22	20.2	20.1	13.8
Xylenes, total	5*	2	U	U	U	U	U	U	U	U	U	U
Total VOCs	--	--	64.64	35.98	40.41	28.46	53.45	35.47	22.35	64.78	66.77	45.3
Wet Chemistry												
DOC (mg/L)	--	1	3.1	5.1	5.3	5.5	6.8	5.5	10	4.3	19	5.2
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	270	270	260	270	260	280	250	240	230	240
Chloride (mg/L)	250	1	110	16	13	13	15	9.2	6.9	16	13	11
Nitrate (mg/L)	10	1	U	0.018 F	0.46	0.41	0.35	0.12 B	U	U	U	U
Sulfate (mg/L)	250	1	4.9	2.1	1.2	9.7	1.8	1.3	0.67 F	2.1	2.3	1.2
Field Parameters												
ORP (mV)	--	--	-109	-92	159	-8	17	-18	-105	-97	-114	-166
Dissolved Oxygen (mg/L)	--	--	0.93	1.05	1.99	0.00	3.45	1.48	0.00	0.00	0.00	8.32
pH	--	--	6.97	6.86	6.25	5.90	7.06	7.26	6.74	7.01	7.07	6.9
Ferrous iron (mg/L)	--	--	5.0	NS	NS	0.0	0.9	0.8	2.4	1.6	1.4	3.2

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782MW-10								
Sample Identification			782M1027JA	782M1027KA	782M1027LA	782M1027MA	782M1027NA	782MW-10_1116	782MW-10_1117	782MW-10_1018	782MW-10_0619
Date of Collection			4/10/2012	9/25/2012	3/13/2013	9/25/2013	9/29/2014	11/15/2016	11/27/2017	10/24/2018	6/18/2019
VOCs (µg/L)											
1,1-Dichloroethane	5*	1.0	0.330 F	0.360 F	0.450 F	0.350 F	0.310 F	0.29 J	U	782MW-10 was not sampled in 2018. The well was mis-identified in the field and the wrong well was sampled.	0.31 J
1,1-Dichloroethene	5*	1.0	U	U	U	U	U	U	U		U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U		U
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	U	U		U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U		U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U		U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U		U
Acetone	50	10	26.2	2.85 F	10.4 B	4.39 FB	U	U	U		8.2 UB
Benzene	1	0.4	0.470 F	0.440 F	0.550	0.420 F	0.410 F	0.43 J	U		0.52 J
Bromomethane	5*	3.0	U	U	U	UJ	U	U	U		U
2-Butanone	50	10	U	U	U	U	U	U	U		U
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U		U
Chloroform	7	0.3	U	U	U	U	U	U	U		U
Chloromethane	5*	1.0	U	U	U	U	U	U	U		U
cis-1,2-Dichloroethene	5*	1.0	35.4	37.9	37.4	42.3	38.2	29.0	29.0		21
Ethylbenzene	5*	1.0	U	U	U	U	U	U	U		U
Isopropylbenzene	5*	1.0	U	U	U	UJ	U	U	U		U
Methyl tert-butyl ether	10	5.0	0.300 F	0.250 F	0.360 F	0.430 F	0.230 F	U	U		U
Methylene chloride	5*	1.0	U	U	U	U	U	U	U		U
n-Butylbenzene	5*	1.0	U	U	U	U	U	U	U		U
n-Propylbenzene	5*	1.0	U	U	U	U	U	U	U		U
m,p-Xylene	5*	2.0	U	U	U	U	U	U	U		U
Naphthalene	10	1.0	U	U	U	U	U	U	U		U
o-Xylene	5*	1.0	U	U	U	U	U	U	U		U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	U	U		U
sec-Butylbenzene	5*	1.0	U	U	U	U	U	U	U		U
tert-Butylbenzene	5*	1.0	U	U	U	U	U	U	U		U
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U		U
Toluene	5*	1.0	U	U	U	U	U	U	U		U
trans-1,2-Dichloroethene	5*	1.0	3.05	3.31	3.41	3.14	3.50	2.9	3.2		3.6
Trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U		U
Vinyl chloride	2	1.0	18.4	20.6	30.6	22.1	16.9	16.0	19.0		49.0
Xylenes, total	5*	2	U	U	U	U	U	U	U		U
Total VOCs	--	--	84.15	65.71	83.17	54.17	59.55	48.62	51.2		82.63
Wet Chemistry											
DOC (mg/L)	--	1	5.5	3.0	2.9	2.9	2.6	4.5	3.9	Not Sampled	2.4
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS		NS
Alkalinity (mg/L)	--	10	260	250	260	230	NS	NS	NS		NS
Chloride (mg/L)	250	1	11	12	10	13	NS	NS	NS		NS
Nitrate (mg/L)	10	1	0.1	U	U	U	NS	NS	NS		NS
Sulfate (mg/L)	250	1	0.73 F	0.62 F	0.68 F	1.9	NS	NS	NS		NS
Field Parameters											
ORP (mV)	--	--	-166	-101	-114	-134	-144	-230	-77	Not Sampled	-150
Dissolved Oxygen (mg/L)	--	--	0.00	0.00	0.00	0.00	2.57	0.74	0.00		0.23
pH	--	--	6.95	7.47	6.99	7.05	7.07	7.03	7.11		7.11
Ferrous iron (mg/L)	--	--	2.0	3.5	2.6	2.2	6.0	NS	NS		NS

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-121									
Sample Identification			782M12116AB	782VM12116BB	782MW12116CA	782VM12116DA	782VM12116EB	782VM12116FB	782VM12116GA	782VM12116HA	782VM12116IA	782VM12116JA
Date of Collection			9/25/2008	12/31/2008	3/25/2009	6/17/2009	9/21/2009	4/15/2010	9/28/2010	4/6/2011	9/13/2011	4/10/2012
VOCs (µg/L)												
1,1-Dichloroethane	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Acetone	50	10	U	U	1.19 F	U	2.57 F	U	U	1.49 FB	U	U
Benzene	1	0.4	U	U	U	U	U	U	U	U	U	U
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	10	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U
Chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U
Chloromethane	5*	1.0	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	5.0	3.95 F	3.29 F	2.34 F	2.18 F	4.16 F	2.68 F	2.68 F	2.92 F	3.09 F	1.38 F
Methylene chloride	5*	1.0	U	U	0.170 F	U	U	U	U	U	U	U
n-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	5*	2.0	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	1.0	U	U	U	U	U	U	U	U	U	U
o-Xylene	5*	1.0	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U	U	U
Vinyl chloride	2	1.0	22.5	24.4	12.7	11.8	21.8	17.5	19.2	19.1	15.7	11.8
Xylenes, total	5*	2	U	U	U	U	U	U	U	U	U	U
Total VOCs	--	--	26.45	27.69	16.4	13.98	28.53	20.18	21.88	23.51	18.79	13.18
Wet Chemistry												
DOC (mg/L)	--	1	4.5	4.0	3.8	4.2	4.7	4.1	4.1	3.2	3.0	3.5
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	320	320	330	340	320	290	290	270	320	310
Chloride (mg/L)	250	1	57	57	39	47	51	34	40	35	37	31
Nitrate (mg/L)	10	1	U	U	0.17 F	U	0.059 F	U	U	U	U	U
Sulfate (mg/L)	250	1	270	190	110	180	120	260	290	330	210	95
Field Parameters												
ORP (mV)	--	--	-105	-59	-33	-54	-88	-81	-100	-13	-118	-104
Dissolved Oxygen (mg/L)	--	--	0.55	0.91	1.59	0.00	1.97	0.00	4.68	0.00	0.00	0.99
pH	--	--	6.17	8.79	6.89	6.67	7.53	6.98	7.65	7.05	6.98	7.01
Ferrous iron (mg/L)	--	--	3.0	NS	1.8	1.4	3.2	1.8	1.8	2.3	2.5	4.0

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-121							
Sample Identification			782VM12116KA	782VM12116LA	782VM12116MA	782VM12116NA	782VMW-121_1116	782VMW-121_1117	782VMW-121_1018	782VMW-121_0619
Date of Collection			9/26/2012	3/12/2013	9/25/2013	10/1/2014	11/15/2016	11/28/2017	10/31/2018	6/18/2019
VOCs (µg/L)										
1,1-Dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U
Acetone	50	10	2.30 F	8.29 FB	6.31 FB	U	U	U	4.5 J	U
Benzene	1	0.4	U	U	U	U	U	U	U	U
Bromomethane	5*	3.0	U	U	UJ	U	U	U	U	U
2-Butanone	50	10	U	U	U	U	U	U	U	U
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
Chloroform	7	0.3	U	U	U	U	U	U	U	U
Chloromethane	5*	1.0	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
Ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	1.0	U	U	UJ	U	U	U	U	U
Methyl tert-butyl ether	10	5.0	1.66 F	2.15 F	1.35 F	2.38 F	1.9 J	1.0 J	0.72 J	0.48 J
Methylene chloride	5*	1.0	0.200 F	U	U	U	U	U	U	U
n-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	1.0	U	U	U	U	U	U	U	U
m,p-Xylene	5*	2.0	U	U	U	U	U	U	U	U
Naphthalene	10	1.0	U	U	U	U	U	U	U	U
o-Xylene	5*	1.0	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U
Vinyl chloride	2	1.0	15.5	17.0	9.12	18.5	11	7.5	4.3	4.2
Xylenes, total	5*	2	U	U	U	U	U	U	U	U
Total VOCs	--	--	19.66	27.44	16.78	20.88	12.9	8.5	9.52	4.68
Wet Chemistry										
DOC (mg/L)	--	1	2.1	2.9	2.5	3.0	2.5	2.2	2.2	1.6
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	320	310	340	NS	NS	NS	NS	NS
Chloride (mg/L)	250	1	39	35	34	NS	NS	NS	NS	NS
Nitrate (mg/L)	10	1	U	U	U	NS	NS	NS	NS	NS
Sulfate (mg/L)	250	1	82	130	87	NS	NS	NS	NS	NS
Field Parameters										
ORP (mV)	--	--	-77	-87	-84	-103	-185	-43	-153	-101
Dissolved Oxygen (mg/L)	--	--	0.00	0.00	6.81	1.88	1.05	0.00	2.59	1.90
pH	--	--	6.91	6.86	6.88	6.64	6.75	6.88	6.83	8.09
Ferrous iron (mg/L)	--	--	5.0	3.2	5.4	6.0	3.0	NS	NS	NS

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-121D									
Sample Identification			782M121D26AB	782VM121D26BB	782VM121D26CA	782VM121D26DA	782VM121D26EB	782VM121D26FB	782VM121D26GA	782VM121D26HA	782VM121D26IA	782VM121D26JA
Date of Collection			9/25/2008	12/31/2008	3/25/2009	6/16/2009	9/21/2009	4/15/2010	9/28/2010	4/6/2011	9/14/2011	4/10/2012
VOCs (µg/L)												
1,1-Dichloroethane	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Acetone	50	10	U	U	1.13 F	U	1.22 F	1.52 F	1.38 F	1.36 FB	U	U
Benzene	1	0.4	U	U	U	U	U	U	U	U	U	U
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	10	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U
Chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U
Chloromethane	5*	1.0	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U	0.120 F	U
Ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	5.0	5.35	5.71	5.66	6.60	6.76	6.5	5.12	6.48	6.68	4.92 F
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	5*	2.0	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	1.0	U	U	U	U	U	U	U	U	U	U
o-Xylene	5*	1.0	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U	U	U
Vinyl chloride	2	1.0	15.2	18.1	12.9	23.3	18.5	15.5	18.0	22.3	16.1	14.1
Xylenes, total	5*	2	U	U	U	U	U	U	U	U	U	U
Total VOCs	--	--	20.55	23.81	19.69	29.9	26.48	23.52	24.5	30.14	22.9	18.39
Wet Chemistry												
DOC (mg/L)	--	1	4.9	5.0	4.6	7.9	5.4	19	4.9	3.9	3.9	5.8
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	360	350	350	360	340	350	340	330	340	330
Chloride (mg/L)	250	1	61	56	56	53	55	48	48	45	40	45
Nitrate (mg/L)	10	1	U	U	U	U	0.048 F	U	U	U	U	U
Sulfate (mg/L)	250	1	32	27	27	25	17	79	59	170	110	47
Field Parameters												
ORP (mV)	--	--	-95	-38	-61	-95	-103	-96	-130	-76	-126	-139
Dissolved Oxygen (mg/L)	--	--	0.87	1.25	0.32	0.64	2.17	0.00	4.74	0.00	0.00	0.00
pH	--	--	6.01	8.6	6.93	7.24	7.73	6.92	7.68	7.13	6.89	6.91
Ferrous iron (mg/L)	--	--	2.8	NS	1.2	2.0	3.0	4.0	2.4	1.2	5.6	6.0

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	782VMW-121D								
Sample Identification			782VM121D26KA	782VM121D26LA	782VM121D26MA	782VM121D26NA	782VMW-121D_1116	782VMW-121D_1117	782VMW-121D-1018	782VMW-121D-0619	782VMW-121_1121
Date of Collection			9/26/2012	3/12/2013	9/25/2013	10/1/2014	11/15/2016	11/28/2017	10/31/2018	6/19/2019	11/16/2021
VOCs (µg/L)											
1,1-Dichloroethane	5*	1.0	U	U	U	U	U	UJ	U	U	U
1,1-Dichloroethene	5*	1.0	U	U	U	U	U	UJ	U	U	U
1,2,4-Trimethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	U
1,2-Dichlorobenzene	3	1.0	U	U	U	U	U	UJ	U	U	U
1,3,5-Trimethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	UJ	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	UJ	U	U	U
Acetone	50	10	U	10.1 B	5.62 FB	U	U	UJ	3.9 J	2.8 UB	U
Benzene	1	0.4	U	U	U	U	U	UJ	U	U	U
Bromomethane	5*	3.0	U	U	UJ	U	U	UJ	U	U	U
2-Butanone	50	10	U	U	U	U	U	UJ	U	U	U
Chlorobenzene	5*	0.5	U	U	U	U	U	UJ	U	U	U
Chloroform	7	0.3	U	U	U	U	U	UJ	U	U	U
Chloromethane	5*	1.0	U	U	U	U	U	UJ	U	U	U
cis-1,2-Dichloroethene	5*	1.0	U	0.110 F	U	U	U	UJ	U	U	U
Ethylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	U
Isopropylbenzene	5*	1.0	U	U	UJ	U	U	UJ	U	U	U
Methyl tert-butyl ether	10	5.0	4.05 F	3.79 F	3.25 F	4.01 F	3.4 J	3.3 J	2.3 J	2.3 J	U
Methylene chloride	5*	1.0	U	U	U	U	U	UJ	U	U	U
n-Butylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	U
n-Propylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	U
m,p-Xylene	5*	2.0	U	U	U	U	U	UJ	U	U	U
Naphthalene	10	1.0	U	U	U	U	U	UJ	U	U	U
o-Xylene	5*	1.0	U	U	U	U	U	UJ	U	U	U
p-Isopropyltoluene	5*	1.0	U	U	U	U	U	UJ	U	U	U
sec-Butylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	U
tert-Butylbenzene	5*	1.0	U	U	U	U	U	UJ	U	U	U
Tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	UJ	U	U	U
Toluene	5*	1.0	U	U	U	U	U	UJ	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	UJ	U	U	U
Trichloroethene (TCE)	5*	1.0	U	U	U	U	U	UJ	U	U	U
Vinyl chloride	2	1.0	17.9	19.2	17.0	13.8	11	7.9 J	8.9	9.9	14.9
Xylenes, total	5*	2	U	U	U	U	U	UJ	U	U	U
Total VOCs	--	--	21.95	33.2	25.87	17.81	14.4	11.2	15.1	15	14.9
Wet Chemistry											
DOC (mg/L)	--	1	2.8	3.0	3.2	3.4	3.2	3.1	2.4	2.4	NS
TOC (mg/L)	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	310	310	330	NS	NS	NS	NS	NS	NS
Chloride (mg/L)	250	1	44	38	38	NS	NS	NS	NS	NS	NS
Nitrate (mg/L)	10	1	U	U	U	NS	NS	NS	NS	NS	NS
Sulfate (mg/L)	250	1	37	130	75	NS	NS	NS	NS	NS	NS
Field Parameters											
ORP (mV)	--	--	-93	-95	-95	-120	-137	-57	-167	-147	-37
Dissolved Oxygen (mg/L)	--	--	0.00	0.00	0.27	2.32	1.34	0.00	1.09	0.51	0.26
pH	--	--	6.91	6.85	6.88	6.74	6.71	7.14	6.65	6.89	6.9
Ferrous iron (mg/L)	--	--	6.0	1.4	5.4	5.8	NS	NS	NS	NS	NS

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	AP2MW-3													
Sample Identification			AP2M0327AB		AP2M0327EB	AP2M0327FB	AP2M0327GA	AP2M0327IA	AP2M0327KA	AP2M0340MA	AP2M0340NA	AP2MW-3_1116	AP2-MW3_1117	AP2MW-3_1018	AP2MW-3_0619	AP2MW-3_1121
Date of Collection			9/26/2008		9/21/2009	4/15/2010	9/28/2010	9/14/2011	9/25/2012	9/26/2013	10/1/2014	11/15/2016	11/28/2017	10/31/2018	6/18/2019	11/16/2021
VOCs (µg/L)																
1,1-Dichloroethane	5*	1.0	U		U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	1.0	U		U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	1.0	32.4		17.0 F	29.2	14.5 F	10.6	8.03	8.8	0.830 F	2.3	2.1	2.6	2.3 D	3.2
1,2-Dichlorobenzene	3	1.0	U		U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	1.0	6.73		4.00 F	7.25 F	3.50 F	2.27	1.58	1.01	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U		U	U	U	U	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U		U	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	10	U		U	U	253	U	U	U	U	U	U	U	U	U
Benzene	1	0.4	658		668	708	614	U	211 J	U	112 J	370	300	240 D	210 D	252 D
Bromomethane	5*	3.0	U		U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	10	U		U	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	5*	0.5	U		U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	0.3	U		3.00 F	U	U	U	U	U	0.59	U	U	U	U	U
Chloromethane	5*	1.0	U		U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	1.0	U		U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5*	1.0	2.57		U	5.00 F	U	0.480 F	0.330 F	0.390 F	U	U	U	U	U	U
Isopropylbenzene	5*	1.0	2.54		U	U	U	1.25	0.730 F	0.950 F	0.130 F	0.26 J	U	0.37 J	U	U
Methyl tert-butyl ether	10	5.0	U		51.5 F	55.8 F	37.2 F	53.9	30.1	49.6	33.4	35	28	13	21 D	12
Methylene chloride	5*	1.0	U		U	U	U	U	U	U	U	U	UJ	U	U	U
n-Butylbenzene	5*	1.0	U		U	U	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	1.0	2.52		U	4.00 F	U	0.960 F	0.630 F	0.850 F	0.110 F	0.32 J	U	0.36 J	0.36 J D	U
m,p-Xylene	5*	2.0	61.0		35.2 F	32.2 F	11.8 F	3.57	1.3 F	0.810 F	U	U	U	U	0.33 J D	U
Naphthalene	10	1.0	11.9		5.50 F	6.75 F	6.25 F	4.11	2.46	3.66	0.870 F	0.90 J	0.61 J	0.80 J	0.48 J D	U
o-Xylene	5*	1.0	0.610 F		U	4.50 F	U	0.170 F	0.120 F	0.150 F	U	U	U	U	U	U
p-Isopropyltoluene	5*	1.0	U		U	U	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	1.0	U		U	U	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	1.0	U		U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	1.0	U		U	U	U	U	U	U	U	U	U	U	U	U
Toluene	5*	1.0	0.690 F		U	U	U	0.420 F	0.260 F	0.670 F	0.120 F	0.46 J	0.61 J	0.91 J	0.72 J D	1.1
trans-1,2-Dichloroethene	5*	1.0	U		U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	1.0	U		U	U	U	U	U	U	U	U	U	U	U	U
Vinyl chloride	2	1.0	U		U	U	U	U	U	U	U	U	U	U	U	U
Xylenes, total	5*	2	61.6		35.2 F	36.8 F	11.8 F	3.7	U	U	U	U	U	U	U	U
Total VOCs	--	--	778.96	Monitoring well not sampled, annual sampling frequency.	784.2	852.7	940.25	77.73	256.54	66.89	148.05	409.24	331.32	258.04	235.19	268.3
Wet Chemistry																
DOC (mg/L)	--	1	6.1		6.4	6.7	5.8	6.2	5.0	5.2	4.7	5.6	6	4.8	4.4	NS
TOC (mg/L)	--	1	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Alkalinity (mg/L)	--	10	350		360	370	370	360	370	350	NS	NS	NS	NS	NS	NS
Chloride (mg/L)	250	1	72		75	62	68	58	58	43	NS	NS	NS	NS	NS	NS
Nitrate (mg/L)	10	1	U		U	U	U	U	U	U	NS	NS	NS	NS	NS	NS
Sulfate (mg/L)	250	1	U		U	U	U	U	U	8	NS	NS	NS	NS	NS	NS
Field Parameters																
ORP (mV)	--	--	-116		-101	-105	-9	-136	-87	-110	-90	-157	-106	-194	-160	-79
Dissolved Oxygen (mg/L)	--	--	1.60		1.79	0.00	0.00	0.00	0.00	3.11	3.39	1.12	0.00	0.96	0.54	0.58
pH	--	--	6.74		7.60	6.98	6.57	7.01	6.83	6.85	7.05	6.83	6.93	6.74	7.94	6.95
Ferrous iron (mg/L)	--	--	1.6		3.8	6.0	3.0	3.8	4.2	4.2	2.0	NS	NS	NS	NS	NS

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01 Apron 2 Chlorinated Plume
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	Reporting Limit	786MW-15		786MW-16	
Sample Identification			786M1515JA		786M1617JA	
Date of Collection			4/11/2012		4/11/2012	
VOCs (µg/L)						
1,1-Dichloroethane	5*	1.0	U	Monitoring well 786MW-15 was sampled once to determine the level of petroleum contamination as this well is located in the source zone of the Apron 2 Chlorinated Plume.	U	Monitoring well 786MW-16 was sampled once to determine the level of petroleum contamination as this well is located in the source zone of the Apron 2 Chlorinated Plume.
1,1-Dichloroethene	5*	1.0	U		U	
1,2,4-Trimethylbenzene	5*	1.0	U		U	
1,2-Dichlorobenzene	3	1.0	U		U	
1,3,5-Trimethylbenzene	5*	1.0	U		U	
1,4-Dichlorobenzene	3	0.5	0.300 F		U	
4-Chlorotoluene	5*	1.0	U		U	
Acetone	50	10	2.32 F		2.38 F	
Benzene	1	0.4	U		U	
Bromomethane	5*	3.0	2.08 F		U	
2-Butanone	50	10	U		U	
Chlorobenzene	5*	0.5	U		U	
Chloroform	7	0.3	U		U	
Chloromethane	5*	1.0	0.530 F		U	
cis-1,2-Dichloroethene	5*	1.0	U		U	
Ethylbenzene	5*	1.0	U		U	
Isopropylbenzene	5*	1.0	U		U	
Methyl tert-butyl ether	10	5.0	U		U	
Methylene chloride	5*	1.0	U		U	
n-Butylbenzene	5*	1.0	U		U	
n-Propylbenzene	5*	1.0	U		U	
m,p-Xylene	5*	2.0	U		U	
Naphthalene	10	1.0	U		U	
o-Xylene	5*	1.0	U		U	
p-Isopropyltoluene	5*	1.0	U		U	
sec-Butylbenzene	5*	1.0	U		U	
tert-Butylbenzene	5*	1.0	U		U	
Tetrachloroethene (PCE)	5*	1.0	U		U	
Toluene	5*	1.0	0.430 F		0.400 F	
trans-1,2-Dichloroethene	5*	1.0	U		U	
Trichloroethene (TCE)	5*	1.0	U		U	
Vinyl chloride	2	1.0	U		U	
Xylenes, total	5*	2	U		U	
Total VOCs	--	--	5.66		2.78	
Wet Chemistry						
DOC (mg/L)	--	1	5.1		NS	
TOC (mg/L)	--	1	NS		6.1	
Alkalinity (mg/L)	--	10	NS		NS	
Chloride (mg/L)	250	1	NS		NS	
Nitrate (mg/L)	10	1	NS		NS	
Sulfate (mg/L)	250	1	NS		NS	
Field Parameters						
ORP (mV)	--	--	-120		116	
Dissolved Oxygen (mg/L)	--	--	1.97		0.00	
pH	--	--	6.64		6.33	
Ferrous iron (mg/L)	--	--	0.0		0.0	

Notes:
D - Dilution
B - The result for the analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).
J - Analyte was positively identified above the MDL, but the concentration is below the RL.
This replaces the F flag.
M - Matrix effect is present.
U - The analyte was analyzed for, but not detected. The value is at or below the MDL.
UJ - estimated non detect flag due to a QC discrepancy
VOCs - Volatile Organic Compounds
NS - Not Sampled
DOC - Dissolved Organic Carbon
TOC - Total Organic Carbon
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter, mg/L - milligrams per liter, mV - milliVolts
NYS - New York State
- Exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01
Apron 2 Chlorinated Plume - Surface Water
Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS	782SW-115											
Sample Identification	Groundwater	782SW11501AA	782SW11501AB	782SW11501BB	782SW11501CA	782SW11501DA	782SW11501EB	782SW11501FB	782SW11501GA	782SW11501HA	782SW11501IA	782SW11501KA	782SW11501LA
Date of Collection	Standards	11/15/2006	9/24/2008	1/2/2009	4/16/2009	6/16/2009	9/24/2009	4/21/2010	10/4/2010	4/5/2011	9/14/2011	9/26/2012	3/12/2013
VOCs (µg/L)													
Acetone	50	U	U	U	1.12 F	U	1.11 F	U	U	3.52 FB	3.25 FB	1.86 F	7.68 FB
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	5*	0.160 F	U	0.230 F	0.220 F	0.120 F	U	0.190 F	0.250 F	0.210 F	U	U	U
Chloroform	7	U	U	U	U	U	U	0.150 F	0.240 F	0.160 F	0.500	0.240 F	U
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	0.140 F	U	0.110 F	U	U	0.130 F	U	0.110 F	U	0.180 F	0.130 F	U
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	-	0.3	0	0.34	1.34	0.24	1.83	0.34	0.6	3.89	3.93	2.23	7.68

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01
Apron 2 Chlorinated Plume - Surface Water
Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS	782SW-115							782SW-118					
Sample Identification	Groundwater	782SW11501MA	782SW11501NA	782SW-115_1116	782SW-115_1117	782SW-115_1018	782SW-115_0619	782SW-115_1121	782SW11801AA	782SW11801AB	782SW11801BB	782SW11801CA	782SW11801DA	782SW11801EB
Date of Collection	Standards	9/25/2013	9/26/2014	11/15/2016	11/27/2017	10/31/2018	6/19/2019	11/16/2021	11/15/2006	9/24/2008	1/2/2009	4/16/2009	6/16/2009	9/24/2009
VOCs (µg/L)														
Acetone	50	9.20 FB	U	U	U	3.2 J	6.4 UB	U	U	U	U	1.10 F	U	U
Benzene	1	U	U	U	U	U	U	U	1.85	1.42	1.11	0.620	0.620	0.740
Chlorobenzene	5*	U	U	U	U	U	U	U	0.150 F	U	0.200 F	0.170 F	0.130 F	U
Chloroform	7	0.290 FB	0.570	0.66 J	0.33 J	U	1.00	0.85 J	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	U	0.550 F	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5*	U	U	U	U	U	U	U	0.110 F	U	U	U	U	U
Methyl tert-butyl ether	10	U	U	U	U	U	U	U	0.190 F	U	0.220 F	U	0.220 F	0.300 F
Methylene chloride	5*	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	0.120 F	0.150 F	U	U	U	0.16 J	U	0.130 F	U	U	0.120 F	U	0.110 F
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	-	9.61	1.27	0.66	0.33	3.2	1.16	0.85	0.28	1.42	1.53	2.01	0.970	1.54

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01
Apron 2 Chlorinated Plume - Surface Water
Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS	782SW-118											
Sample Identification	Groundwater	782SW11801FB	782SW11801GA	782SW11801HA	782SW11801IA	782SW11801KA	782SW11801LA	782SW11801MA	782SW11801NA	782SW-118_1116	782SW-118_1117	782SW-118_1018	782SW-118_0619
Date of Collection	Standards	4/21/2010	10/4/2010	4/5/2011	9/14/2011	9/26/2012	3/12/2013	9/25/2013	9/26/2014	11/15/2016	11/27/2017	10/31/2018	6/19/2019
VOCs (µg/L)													
Acetone	50	1.27 F	U	3.72 FB	U	1.77 F	11.3 B	7.71 FB	1.18 F	U	U	5.1 J	6.5 UB
Benzene	1	0.350 F	U	U	0.180 F	0.210 F	U	0.190 F	U	U	U	U	U
Chlorobenzene	5*	0.230 F	0.240 F	0.180 F	U	U	U	U	U	U	U	U	U
Chloroform	7	0.150 F	0.230 F	0.140 F	0.490 F	0.260 F	U	0.270 FB	0.600	0.62 J	0.34 J	U	0.86 J
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	0.171 FJ	U	U	0.210 F	0.230 F	U	0.460 F	0.180 F	U	U	U	U
Methylene chloride	5*	U	U	U	U	0.180 F	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	0.110 F	U	U	0.180 F	U	U	U	0.150 F	U	U	U	U
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	-	2.281	0.47	4.04	1.06	2.65	11.3	8.63	2.11	0.62	0.34	5.1	0.86

Note: Data presented as in Final 2021 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, December 2022)

Appendix A-1 Site SD052-01
Apron 2 Chlorinated Plume - Surface Water
Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS	782SW-119											
Sample Identification	Groundwater	782SW11901AA	782SW11901AB	782SW11901BB	782SW11901CA	782SW11901DA	782SW11901EB	782SW11901FB	782SW11901GA	782SW11901HA	782SW11901IA	782SW11901KA	782SW11901LA
Date of Collection	Standards	11/15/2006	9/24/2008	1/2/2009	4/16/2009	6/16/2009	9/24/2009	4/21/2010	10/4/2010	4/5/2011	9/14/2011	9/26/2012	3/12/2013
VOCs (µg/L)													
Acetone	50	U	U	U	U	U	U	U	U	4.20 FB	4.25 FB	1.88 F	13.0 B
Benzene	1	4.49	2.74	1.25	0.570	0.590	0.710	0.340 F	0.120 F	U	0.170 F	0.200 F	U
Chlorobenzene	5*	0.150 F	U	0.190 F	0.170 F	0.120 F	U	0.170 F	0.230 F	0.180 F	U	U	U
Chloroform	7	U	U	U	U	U	U	0.120 F	0.230 F	0.130 F	0.440 F	0.250 F	U
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5*	0.150 F	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	0.510 F	0.930 F	0.260 F	U	0.190 F	0.370 F	0.200 F	U	U	0.180 F	0.250 F	U
Methylene chloride	5*	0.120 F	U	U	U	U	U	U	U	U	U	0.190 F	U
Trichloroethene (TCE)	5*	U	U	U	U	0.110 F	U	0.170 F	U	U	0.150 F	U	U
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	-	0.15	3.67	1.7	0.74	1.01	1.08	1	0.58	4.51	5.19	2.77	13

Appendix A-1 Site SD052-01
Apron 2 Chlorinated Plume - Surface Water
Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS	782SW-119					
Sample Identification	Groundwater	782SW11901MA	782SW11901NA	782SW-119_1116	782SW-119_1117	782SW-119_1018	782SW-119_0619
Date of Collection	Standards	9/25/2013	9/26/2014	11/15/2016	11/27/2017	10/31/2018	6/19/2019
VOCs (µg/L)							
Acetone	50	3.50 FB	U	U	U	11	7.2 UB
Benzene	1	0.140 F	U	U	U	U	U
Chlorobenzene	5*	U	U	U	U	U	U
Chloroform	7	0.250 FB	0.530	0.54 J	0.27 J	0.41 J	0.87 J
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U
Ethylbenzene	5*	U	U	U	U	U	U
Methyl tert-butyl ether	10	0.470 F	0.210 F	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	0.170 F	U	U	U	U
Vinyl chloride	2	U	U	U	U	U	U
Total VOCs	-	4.36	0.91	0.54	0.27	11.41	0.87

Notes:
Qualifiers:
B - The result for the analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).
J - Analyte was positively identified above the MDL, but the concentration is below the RL. Replaces the "F" flag.
U - The analyte was analyzed for, but not detected. The numerical value is at or below the MDL.
VOCs - Volatile Organic Compounds
µg/L - Micrograms per liter
NYS - New York State
- Exceedance of the NYS Groundwater Standards or Guidance Values.
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

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APPENDIX A-2 SD052-02 BUILDING 775 ANALYTICAL SUMMARY TABLES

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Appendix A-2 Site SD052-02 Building 775
Analytical Summary Table (August 2022)
Griffiss Air Force Base, New York

Location Identification:		**775VMW-4**	**775VMW-5**	**775MW-6**	**775VMW-8**	**775VMW-9**		**775VMW-10**	**775-MW20**
Field Sample Identification:		**775VMW-4-0822**	**775VMW-5-0822**	**775MW-6-0822**	**775VMW-8-0822**	**775VMW-9-0822**	**775VMW-9-0822-A**	**775VMW-10-0822**	**775MW-20-0822**
Sample Date:		**8/24/2022**	**8/24/2022**	**8/24/2022**	**8/24/2022**	**8/24/2022**	**8/24/2022**	**8/24/2022**	**8/24/2022**
Sample Type:		**Normal**	**Normal**	**Normal**	**Normal**	**Normal**	**Field Duplicate**	**Normal**	**Normal**
Volatile organic compounds (µg/L)	**NYSDEC AWQ S/GV**								
1,1,1,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	5	0.5 U	0.5 U	0.5 U	**0.42 J**	0.5 U	0.5 U	**0.41 J**	**0.53 J**
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.5**
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.8**
1,1-Dichloropropene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.04	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.33 J**
1,2-Dichloroethene	NC	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.58 J**
1,2-Dichloropropane	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	5	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	50	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
2-Chlorotoluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	NC	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	50	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5	4 U	4 U	4 UJ	4 U	4 U	4 U	4 U	4 U
Carbon disulfide	60	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	0.5 U	0.5 U	**0.36 J**	0.5 U	**0.55 J**	**0.57 J**	**0.41 J**	0.5 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.58 J**
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cumene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	5	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Naphthalene	10	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
n-Butylbenzene	5	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Cymene (p-Isopropyltoluene)	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	**6.1**	**31.2**	**26**	**25.1**	**20.5**	**19.8**	**38.1**	**60.7**
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	NC	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes, Total	NC	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Field Parameters									
ORP (mV)	---	-3	102	86	69	42		92	-60
DO (mg/L)	---	0.53	7.33	4.71	3.89	0.69		6.64	0.9
pH (SU)	---	6.7	7.06	6.62	6.9	6.69		6.93	6.84

Notes:
NC = no criteria
ORP (mV) = oxidation reduction potential (millivolts
DO (mg/L) = dissolved oxygen (millligrams per liter
pH (SU) = potential of hydrogen (standard units)
J = estimated value
U = not detected; reported to limit of detection
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998); Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000

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Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-4**					
Sample Identification	**Groundwater**	775VM0465AA	775VM0465DA	775VM0465GA	775VM0465KA	775VM0465NA	775VM0465QA
Sample Date	**Standards**	1/12/2009	9/22/2009	9/27/2010	9/8/2011	9/24/2012	9/23/2013
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	0.220 F	0.280 F	0.240 F	0.250 F	0.180 F	0.220 F
1,1-Dichloroethane	5*	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U
Acetone	50	U	U	1.49 FB	U	U	4.21 FB
Chlorobenzene	5*	U	U	U	U	U	U
Chloroform	7	0.630	0.720	0.640	0.750	0.610	0.650 B
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U
Trichloroethene (TCE)	5*	5.18	7.26	6.35	6.24	6.03	6.85
Trichlorofluoromethane	5*	U	U	U	U	U	U
Total VOCs	-	6.03	8.26	8.72	7.24	6.82	11.93
Field Parameters							
ORP (mV)	--	189	315	143	162	199	116
Dissolved Oxygen (mg/L)	--	2.36	5.36	6.82	0.00	4.59	0.90
pH	--	7.20	7.36	6.83	7.35	7.52	7.30

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

UB - considered artifacts of blank contamination and qualified non-detected.
U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-4**					
Sample Identification	**Groundwater**	775VM0465TA	775VMW-4_1116	775VMW-4_1117	775VMW-4_1018	775VMW-4_1019	775VMW-4_0920
Sample Date	**Standards**	9/22/2014	11/17/2016	11/17/2017	10/23/2018	10/2/2019	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	0.250 F	U	0.17 J	UJ	U	U
1,1-Dichloroethane	5*	U	U	U	UJ	U	U
1,1-Dichloroethene	5*	U	U	U	UJ	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	UJ	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	UJ	U	U
1,2-Dichloroethane	0.6	U	U	U	UJ	U	U
Acetone	50	U	U	4.5 UB	UJ	U	U
Chlorobenzene	5*	U	U	U	UJ	U	0.40 UJ
Chloroform	7	0.740	0.40 J	0.50 J	0.37 J	0.34 J	0.29 J
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	UJ	U	U
Methylene chloride	5*	U	U	U	UJ	U	U
Tetrachloroethene (PCE)	5*	U	U	U	UJ	U	U
Trichloroethene (TCE)	5*	8.31	5.4 J	4.8	4.4 J	4.9	4.6 J
Trichlorofluoromethane	5*	U	U	UJ	UJ	U	U
Total VOCs	-	9.3	5.8	5.47	4.77	5.24	4.89
Field Parameters							
ORP (mV)	--	183	54	111	-28	159	156
Dissolved Oxygen (mg/L)	--	0.00	1.89	0.00	1.70	0.00	0.81
pH	--	7.52	7.33	7.54	7.91	7.55	6.66

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

UB - considered artifacts of blank contamination and qualified non-detected.
U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-5**						
Sample Identification	**Groundwater**	775VM0570AA	775VM0570AA	775VM0570BB	775VM0570CA	775VM0570DA	775VM0570FA	775VM0570GA
Sample Date	**Standards**	11/20/2006	1/12/2009	4/9/2009	6/18/2009	9/22/2009	4/16/2010	9/27/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	0.810 F	0.450 F	0.450 F	0.500 F	0.550 F	0.440 F	0.430 F
1,1-Dichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	U	1.05 FB
Chlorobenzene	5*	U	U	U	U	U	U	U
Chloroform	7	0.220 F	U	U	U	0.300 F	U	0.170 F
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	81.2	64.7	68.8	74.0	78.9	67.6	71.7
Trichlorofluoromethane	5*	U	U	U	U	U	U	U
Total VOCs	-	82.23	65.15	69.25	74.5	79.75	68.04	73.35
Field Parameters								
ORP (mV)	--	39	218	161	301	329	159	124
Dissolved Oxygen (mg/L)	--	9.53	10.84	9.60	10.68	10.00	8.79	9.55
pH	--	7.47	7.36	6.80	7.21	7.16	7.71	7.04

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

UB - considered artifacts of blank contamination and qualified non-detected.
U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-5**						
Sample Identification	**Groundwater**	775VM0570IA	775VM0570KA	775VM0570MA	775VM0570NA	775VM0570OA	775VM0570QA	775VM0570TA
Sample Date	**Standards**	4/4/2011	9/8/2011	4/12/2012	9/24/2012	3/11/2013	9/23/2013	9/22/2014
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	0.440 F	0.510 F	0.400 F	0.320 F	0.240 F	0.340 F	0.340 F
1,1-Dichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	5.34 FB	U	1.80 F	U	10.3 FB	4.22 FB	U
Chlorobenzene	5*	U	U	U	U	U	U	U
Chloroform	7	0.220 F	0.160 F	0.140 F	U	U	U	0.180 F
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	0.600 F	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	71	79.2	62.8	56.9	53.1	51.5	57.8
Trichlorofluoromethane	5*	U	U	U	U	U	U	U
Total VOCs	-	77	79.87	65.14	57.22	64.24	56.06	58.32
Field Parameters								
ORP (mV)	--	251	108	161	222	149	157	174
Dissolved Oxygen (mg/L)	--	6.71	7.70	6.84	6.90	6.57	8.91	4.45
pH	--	7.47	7.22	7.16	7.36	7.37	7.34	7.48

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

UB - considered artifacts of blank contamination and qualified non-detected.
U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-5**						
Sample Identification	**Groundwater**	775VMW-5_1116	775VMW-5_1117	775VMW-5_0118	775VMW-5_0418	775VMW-5_1018	775VMW-5_1019	775VMW-5_0920
Sample Date	**Standards**	11/17/2016	11/17/2017	1/30/2018	4/19/2018	10/23/2018	10/2/2019	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	0.27 J	0.16 J ♦	0.17 J	0.17 J	UJ	U
1,1-Dichloroethane	5*	U	U	U	U	UJ	UJ	U
1,1-Dichloroethene	5*	U	U	U	U	UJ	UJ	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	UJ	UJ	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	UJ	UJ	U
1,2-Dichloroethane	0.6	U	U	U	U	UJ	UJ	U
Acetone	50	U	8.0 UB	6.5 UB	U	6.9 J ♦	UJ	U
Chlorobenzene	5*	U	U	U	U	UJ	UJ	0.4 UJ
Chloroform	7	U	0.16 J	U	U	UJ	UJ	0.4 UJ
cis-1,2-Dichloroethene (DCE)	5*	U	0.59 J ♦	U	U	UJ	UJ	U
Methylene chloride	5*	U	U	U	U	UJ	UJ	U
Tetrachloroethene (PCE)	5*	U	U	U	U	UJ	UJ	U
Trichloroethene (TCE)	5*	40 J	32	33 ♦	36	47 J ♦	39 J	39 J ♦
Trichlorofluoromethane	5*	U	UJ	U	U	UJ	UJ	U
Total VOCs	-	40	33.02	33.16	36.17	54.06	39	39
Field Parameters								
ORP (mV)	--	95	53	143	162	36	248	128
Dissolved Oxygen (mg/L)	--	7.86	8.36	7.42	12.90	2.58	5.87	5.20
pH	--	7.36	7.50	8.00	7.63	7.91	7.66	7.60

Notes:
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F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

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ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
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NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775MW-6**						
Sample Identification	**Groundwater**	775M0673AA	775M0673AA	775M0673BB	775M0673CA	775M0673DA	775M0673FA	775M0673GA
Sample Date	**Standards**	11/20/2006	1/12/2009	4/9/2009	6/18/2009	9/22/2009	4/16/2010	9/27/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	0.700 F	0.340 F	0.260 F	0.400 F	0.310 F	0.240 F	0.230 F
1,1-Dichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	U	U
Chlorobenzene	5*	U	U	U	U	U	U	U
Chloroform	7	0.950	1.04	0.910	1.01	0.960	0.880	0.820
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	43.9	19.9	14.9	36.5	19.4	17.7	18.3
Trichlorofluoromethane	5*	0.580 F	0.510 F	0.500 F	0.690 F	0.550 F	0.380 F	0.370 F
Total VOCs	-	45.55	21.79	16.57	38.6	21.22	19.2	19.72
Field Parameters								
ORP (mV)	--	352	218	134	308	339	114	106
Dissolved Oxygen (mg/L)	--	7.04	7.39	6.59	9.21	7.44	3.61	9.05
pH	--	7.76	7.67	6.62	7.54	7.27	8.03	6.97

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

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Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775MW-6**						
Sample Identification	**Groundwater**	775M0673IA	775M0673KA	775M0673MA	775M0673NA	775M0673OA	775M0673QA	775M0673TA
Sample Date	**Standards**	4/4/2011	9/8/2011	4/12/2012	9/24/2012	3/11/2013	9/24/2013	9/22/2014
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	0.200 F	0.300 F	0.190 F	0.160 F	0.130 F	0.170 F	0.180 F
1,1-Dichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	2.65 FB	1.38 FB	U	U	9.32 FB	5.09 FB	U
Chlorobenzene	5*	U	U	U	U	U	U	U
Chloroform	7	0.860	1.10	0.800	0.740	0.660	0.820 B	0.960
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	15.6	27.3	18.1	18.5	16.5	21.4	22.8
Trichlorofluoromethane	5*	0.290 F	0.470 F	0.240 F	0.270 F	0.200 F	0.230 F	0.280 F
Total VOCs	-	19.6	30.55	19.33	18.93	26.81	27.71	24.22
Field Parameters								
ORP (mV)	--	175	195	144	172	93	100	160
Dissolved Oxygen (mg/L)	--	3.94	6.39	5.29	1.01	4.25	9.72	1.26
pH	--	7.89	7.45	7.49	7.63	7.60	7.19	7.74

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

UB - considered artifacts of blank contamination and qualified non-detected.
U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775MW-6**						
Sample Identification	**Groundwater**	775MW-6_1116	775MW-6_1117	775MW-6_0118	775MW-6_0418	775MW-6_1018	775MW-6_1019	775MW-6_0920
Sample Date	**Standards**	11/17/2016	11/16/2017	1/31/2018	4/19/2018	10/23/2018	10/1/2019	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	0.16 J	0.35 J	0.23 J	0.29 J	0.43 J	0.2 J	U
1,1-Dichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	6.6 UB	U	10	U	U	U
Chlorobenzene	5*	U	U	U	U	U	U	0.4 UJ
Chloroform	7	0.58 J	1.6	1.1	1.5	1.3 J	0.69 J	0.65 J
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	34 J	25	29	33	27	22	26 J
Trichlorofluoromethane	5*	U	U	U	U	U	U	U
Total VOCs	-	34.74	26.95	30.33	44.79	28.73	22.89	26.65
Field Parameters								
ORP (mV)	--	51	162	155	189	58	261	189
Dissolved Oxygen (mg/L)	--	4.49	4.92	1.50	8.56	2.80	2.39	3.70
pH	--	7.47	7.60	8.21	7.64	7.76	7.81	7.41

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
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J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

UB - considered artifacts of blank contamination and qualified non-detected.
U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-8**						
Sample Identification	**Groundwater**	775M0873AA	775M0873AA	775M0873BB	775VM0873CA	775VM0873DA	775VM0873FA	775VM0873GA
Sample Date	**Standards**	11/20/2006	1/12/2009	4/9/2009	6/18/2009	9/22/2009	4/16/2010	9/27/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	0.760 F	0.700 F	0.760 F	0.720 F	0.700 F	0.640 F	0.460 F
1,1-Dichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	U	1.30 FB
Chlorobenzene	5*	U	U	U	U	U	U	U
Chloroform	7	U	0.110 F	0.110 F	0.110 F	U	U	U
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	32.4	38.2	37.1	37.5	39.3	32.1	22.2
Trichlorofluoromethane	5*	U	U	U	U	U	U	U
Total VOCs	-	33.16	39.01	37.97	38.33	40	32.74	23.96
Field Parameters								
ORP (mV)	--	320	205	253	137	346	109	90
Dissolved Oxygen (mg/L)	--	4.82	5.53	3.68	4.47	7.15	0.62	7.44
pH	--	7.10	7.65	7.27	7.14	7.19	7.90	7.08

Notes:
Qualifiers:
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J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

UB - considered artifacts of blank contamination and qualified non-detected.
U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-8**						
Sample Identification	**Groundwater**	775VM0873IA	775VM0873KA	775VM0873MA	775VM0873NA	775VM0873OA	775VM0873QA	775VM0873TA
Sample Date	**Standards**	4/4/2011	9/8/2011	4/12/2012	9/24/2012	3/11/2013	9/24/2013	9/22/2014
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	0.410 F	0.620 F	0.220 F	0.390 F	0.260 F	0.340 F	0.410 F
1,1-Dichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	2.43 FB	U	U	U	7.53 FB	4.66 FB	U
Chlorobenzene	5*	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	15.2	31	12.2	25.8	14.1	19.9	23.1
Trichlorofluoromethane	5*	U	U	U	U	U	U	U
Total VOCs	-	18.04	31.62	12.42	26.19	21.89	24.9	23.51
Field Parameters								
ORP (mV)	--	164	163	163	173	103	83	118
Dissolved Oxygen (mg/L)	--	3.10	3.54	2.34	0.00	3.24	6.81	4.70
pH	--	8.28	7.77	7.40	7.72	7.73	7.81	7.89

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

UB - considered artifacts of blank contamination and qualified non-detected.
U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-8**						
Sample Identification	**Groundwater**	775VMW-8_1116	775VMW-8_1117	775VMW-8_0118	775VMW-8_0418	775VMW-8_1018	775VMW-8_1019	775VMW-8_0920
Sample Date	**Standards**	11/16/2016	11/16/2017	1/31/2018	4/19/2018	10/23/2018	10/2/2019	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	0.26 J	0.37 J	0.23 J	0.29 J	0.47 J	0.36 J	0.40 J
1,1-Dichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	3.4 UB	U	U	U	U	U
Chlorobenzene	5*	U	U	U	U	U	U	0.4 UJ
Chloroform	7	U	U	U	U	U	0.26 J	0.29 J
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	19	19	15	16 J	23	19	19 J
Trichlorofluoromethane	5*	U	U	U	U	U	U	U
Total VOCs	-	19.26	19.37	15.23	16.29	23.47	19.62	19.69
Field Parameters								
ORP (mV)	--	-30	77	127	128	-14	56	79
Dissolved Oxygen (mg/L)	--	5.74	4.63	8.23	5.04	6.50	5.27	1.69
pH	--	7.77	7.05	8.28	7.53	7.76	7.36	7.70

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

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U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-9**					
Sample Identification	**Groundwater**	775VM0992AA	775VM0992AA	775VM0992DA	775VM0992GA	775VM0992KA	775VM0992NA
Sample Date	**Standards**	11/17/2006	1/12/2009	9/22/2009	9/27/2010	9/8/2011	9/24/2012
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	U	U	U	U	U	U
1,1-Dichloroethane	5*	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U
Acetone	50	U	U	1.83 F	U	5.00 FB	U
Chlorobenzene	5*	U	U	U	U	U	U
Chloroform	7	U	0.320 F	0.110 F	U	0.250 F	0.170 F
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U
Trichloroethene (TCE)	5*	0.330 F	0.500 F	0.590 F	0.570 F	0.470 F	0.510 F
Trichlorofluoromethane	5*	U	U	U	U	U	U
Total VOCs	-	0.33	0.82	2.53	0.57	1.22	0.680
Field Parameters							
ORP (mV)	--	283	-6	124	162	15	89
Dissolved Oxygen (mg/L)	--	1.67	1.89	2.44	1.11	0.65	4.62
pH	--	7.56	8.81	7.10	8.11	8.05	8.49

Notes:
Qualifiers:
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UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-9**					
Sample Identification	**Groundwater**	775VM0992QA	775VMW-9_1116	775VMW-9_1117	775VMW-9_1018	775VMW-9	775VMW-9_0920
Sample Date	**Standards**	9/24/2013	11/17/2016	11/15/2017	10/22/2018	10/2/2019	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	0.140 F	U	U	U	775VMW-9 was not sampled in 2019 due to a scheduling error.	U
1,1-Dichloroethane	5*	U	U	U	U		U
1,1-Dichloroethene	5*	U	U	U	U		U
1,2,3-Trichlorobenzene	5*	U	U	U	U		U
1,2,4-Trichlorobenzene	5*	U	U	U	U		U
1,2-Dichloroethane	0.6	U	U	U	U		U
Acetone	50	6.09 FB	U	U	U		U
Chlorobenzene	5*	U	U	U	U		0.4 UJ
Chloroform	7	0.680 B	0.34 J	0.77 J	0.72 J		0.65 J
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U		U
Methylene chloride	5*	U	U	U	U		U
Tetrachloroethene (PCE)	5*	U	U	U	U		U
Trichloroethene (TCE)	5*	15.8	9.6	20	21		20 J
Trichlorofluoromethane	5*	0.440 F	U	0.43 J	0.34 J		U
Total VOCs	-	23.15	9.94	21.2	22.06		20.65
Field Parameters							
ORP (mV)	--	49	-10	60	69	Not Sampled	95
Dissolved Oxygen (mg/L)	--	0.67	1.51	0.54	3.60		0.39
pH	--	7.64	7.27	7.69	7.51		7.28

Notes:
Qualifiers:
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ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-10**					
Sample Identification	**Groundwater**	775VM1095AA	775VM1095AA	775VM1095BB	775VM1095CA	775VM1095DA	775VM1095FA
Sample Date	**Standards**	11/17/2006	1/12/2009	4/15/2009	6/18/2009	9/14/2009	4/16/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	0.900 F	0.500 F♦	0.460 F	0.440 F	0.420 F♦	0.420 F♦
1,1-Dichloroethane	5*	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	U
Chlorobenzene	5*	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U
Trichloroethene (TCE)	5*	70.8	43.5♦	43.7	44.0 ♦	45.8 ♦	41.6 ♦
Trichlorofluoromethane	5*	U	U	U	U	U	U
Total VOCs	-	71.7	44	44.16	44.44	46.22	42.02
Field Parameters							
ORP (mV)	--	353	225	154	179	104	142
Dissolved Oxygen (mg/L)	--	9.40	9.60	9.83	9.42	9.54	8.88
pH	--	7.81	6.92	7.55	7.01	7.05	7.89

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

UB - considered artifacts of blank contamination and qualified non-detected.
U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-10**					
Sample Identification	**Groundwater**	775VM1095GA	775VM1095IA	775VM1095IA	775VM1095MA	775VM1095NA	775VM1095OA
Sample Date	**Standards**	9/27/2010	4/4/2011	9/8/2011	4/12/2012	9/24/2012	3/11/2013
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	0.450 F	0.450 F	0.390 F	0.440 F	0.350 F	0.370 F
1,1-Dichloroethane	5*	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U
Acetone	50	1.14 FB	2.46 FB	1.37 F	U	U	13.9 B
Chlorobenzene	5*	U	U	U	U	U	U
Chloroform	7	U	0.200 F	0.160 F	0.13 F	U	0.220 F
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U
Trichloroethene (TCE)	5*	40.4	47.7	38.9	49.6	41.5	39.3
Trichlorofluoromethane	5*	U	U	U	U	U	U
Total VOCs	-	41.99	50.81	40.82	50.17	41.85	53.79
Field Parameters							
ORP (mV)	--	173	229	194	86	190	52
Dissolved Oxygen (mg/L)	--	6.06	5.25	7.14	6.89	7.93	6.53
pH	--	7.92	7.51	7.55	7.73	8.42	8.87

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

UB - considered artifacts of blank contamination and qualified non-detected.
U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-10**						
Sample Identification	**Groundwater**	775VM1095QA	775VM1095TA	775VMW-10_1116	775VMW-10_1117	775VMW-10_1018	775VMW-10_1019	775VMW-10_0920
Sample Date	**Standards**	9/24/2013	9/22/2014	11/16/2016	11/15/2017	10/22/2018	10/2/2019	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	0.600 F	0.670 F	0.47 J♦	0.60 J♦	0.60 J	0.51 J	0.45 J
1,1-Dichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	9.59 FB	U	U	U	U	U	U
Chlorobenzene	5*	U	U	U	U	U	U	0.4 UJ
Chloroform	7	0.390 FB	0.470 F	0.71 J	1.1	1.5 ♦	1.5	0.77 J
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	41.4	46.7	40	41♦	47	43	42 J
Trichlorofluoromethane	5*	0.130 F	U	U	U	U	1 J	0.4 UJ
Total VOCs	-	52.11	47.84	41.18	40.68	49.1	46.01	43.22
Field Parameters								
ORP (mV)	--	93	129	-36	110	81	91	202
Dissolved Oxygen (mg/L)	--	9.60	7.25	8.58	5.99	1.27	8.59	4.61
pH	--	7.74	7.30	7.62	7.38	7.42	7.61	7.54

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

UB - considered artifacts of blank contamination and qualified non-detected.
U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-19R**					
Sample Identification	**Groundwater**	775M19R67AA	775M19R67BB	775VM19R67BB	775VM19R67DA	775VM19R67FA	775VM19R67GA
Sample Date	**Standards**	1/12/2009	4/9/2009	6/18/2009	9/22/2009	4/16/2010	9/29/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	U	U	U	U	U	U
1,1-Dichloroethane	5*	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U
Acetone	50	U	U	U	1.18 F	U	1.02 FB
Chlorobenzene	5*	U	U	U	U	U	U
Chloroform	7	0.200 F	0.140 F	U	U	U	U
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U
Trichlorofluoromethane	5*	U	U	U	U	U	U
Total VOCs	-	0.2	0.14	0	1.18	0	1.02
Field Parameters							
ORP (mV)	--	185	163	131	128	89	90
Dissolved Oxygen (mg/L)	--	8.37	7.68	9.28	9.15	8.17	10.02
pH	--	7.19	7.27	7.04	7.09	8.42	7.10

Notes:
Qualifiers:
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UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-19R**					
Sample Identification	**Groundwater**	775VM19R67IA	775VM19R67KA	775VM19R67MA	775VM19R67NA	775VM19R67OA	775VM19R67QA
Sample Date	**Standards**	4/4/2011	9/8/2011	4/12/2012	9/24/2012	3/11/2013	9/23/2013
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	U	U	U	U	U	U
1,1-Dichloroethane	5*	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U
Acetone	50	2.41 FB	1.04 FB	U	U	12.6 B	7.13 FB
Chlorobenzene	5*	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	0.150 F	U	U
Trichlorofluoromethane	5*	U	U	U	U	U	U
Total VOCs	-	2.41	1.04	U	0.150 F	12.6	7.13
Field Parameters							
ORP (mV)	--	149	151	98	171	109	78
Dissolved Oxygen (mg/L)	--	6.94	8.46	6.73	9.96	6.53	7.33
pH	--	8.35	8.00	7.95	8.71	7.96	7.94

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UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-19R**				
Sample Identification	**Groundwater**	775VMW-19R_1116	775VMW-19R_1117	775VMW-19R_1018	775VMW-19R	775VMW-19R_0920
Sample Date	**Standards**	11/16/2016	11/16/2017	10/22/2018	10/2/2019	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**					
1,1,1-Trichloroethane	5*	U	U	U	775VMW-19R was not sampled in 2019 due to a scheduling error.	U
1,1-Dichloroethane	5*	U	U	U		U
1,1-Dichloroethene	5*	U	U	U		U
1,2,3-Trichlorobenzene	5*	U	U	U		U
1,2,4-Trichlorobenzene	5*	U	U	U		U
1,2-Dichloroethane	0.6	U	U	U		U
Acetone	50	U	4.4 UB	U		U
Chlorobenzene	5*	U	U	U		0.4 UJ
Chloroform	7	U	U	U		0.4 UJ
cis-1,2-Dichloroethene (DCE)	5*	U	U	U		U
Methylene chloride	5*	U	U	U		U
Tetrachloroethene (PCE)	5*	U	U	U		U
Trichloroethene (TCE)	5*	U	U	U		0.4 UJ
Trichlorofluoromethane	5*	U	U	U		U
Total VOCs	-	0	0	0		0
Field Parameters						
ORP (mV)	--	33	189	56	Not Sampled	183
Dissolved Oxygen (mg/L)	--	10.28	10.26	3.10		7.76
pH	--	7.88	7.60	7.93		7.22

Notes:
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ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775-MW20**						
Sample Identification	**Groundwater**	775M20115AA	775M20115AA	775M20115BB	775M20115CA	775M20115DA	775M20115FA	775M20115GA
Sample Date	**Standards**	11/17/2006	1/12/2009	4/9/2009	6/18/2009	9/22/2009	4/16/2010	9/27/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	1.90 F	1.06	1.04	1.52	2.30	0.450 F	1.07
1,1-Dichloroethane	5*	1.00 F	0.540 F	0.580 F	1.20	1.70 F	0.510 F	0.800 F
1,1-Dichloroethene	5*	0.650 F	0.710 F	0.560 F	1.07	1.30 F	0.490 F	0.960 F
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	0.170 F	U	U	U
Acetone	50	U	U	U	U	U	U	1.01 FB
Chlorobenzene	5*	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	0.280 F	U	0.110 F
cis-1,2-Dichloroethene (DCE)	5*	U	0.370 F	0.130 F	0.200 F	0.240 F	U	0.210 F
Methylene chloride	5*	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	46.4	33.6	34.0	41.9	79.1	15.8	52.4
Trichlorofluoromethane	5*	U	U	U	U	U	U	U
Total VOCs	-	49.95	36.28	36.31	46.06	84.92	17.25	56.56
Field Parameters								
ORP (mV)	--	284	120	25	-17	109	-29	75
Dissolved Oxygen (mg/L)	--	1.10	1.97	0.43	0.90	2.50	0.00	0.67
pH	--	7.94	7.62	7.10	7.37	7.24	7.87	7.65

Notes:
Qualifiers:
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J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

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UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
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- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775-MW20**					
Sample Identification	**Groundwater**	775VMW20115IA	775VMW20115KA	775M20115MA	775M20115NA	775M20115OA	775M20115QA
Sample Date	**Standards**	4/4/2011	9/8/2011	4/12/2012	9/24/2012	3/11/2013	9/23/2013
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	0.840 F	0.920 F	0.9 F	0.170 F	0.330 F	0.640 F
1,1-Dichloroethane	5*	1.02	1.41	1.63	0.870 F	1.32	1.52
1,1-Dichloroethene	5*	0.990 F	1.31	1.24	0.810 F	0.920 F	1.2
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	0.210 F	0.22 F	U	0.200 F	0.260 F
Acetone	50	1.78 FB	3.28 F	2.55 F	U	15.9 B	4.78 B
Chlorobenzene	5*	U	U	U	U	U	U
Chloroform	7	U	0.130 F	U	U	U	U
cis-1,2-Dichloroethene (DCE)	5*	0.190 F	0.240 F	0.24 F	0.130 F	0.160 F	0.210 F
Methylene chloride	5*	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U
Trichloroethene (TCE)	5*	36.1	54.1	39.4	12.2	20.2	34.3
Trichlorofluoromethane	5*	U	U	U	U	U	U
Total VOCs	-	40.92	61.52	46.18	14.18	39.03	42.91
Field Parameters							
ORP (mV)	--	19	-104	-77	-49	89	30
Dissolved Oxygen (mg/L)	--	0.00	0.44	0.22	0.73	0.54	0.00
pH	--	7.71	7.44	7.30	8.23	7.53	7.51

Notes:
Qualifiers:
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F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

UB - considered artifacts of blank contamination and qualified non-detected.
U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	775-MW20					
Sample Identification	Groundwater	775M20115TA	775MW-20_1116	775MW-20_1117	775MW-20_1018	775MW-20_1019	775MW-20_0920
Sample Date	Standards	9/22/2014	11/16/2016	11/16/2017	10/22/2018	10/2/2019	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	0.870 F	0.51 J	0.71 J	0.28 J	0.61 J	0.81 J
1,1-Dichloroethane	5*	1.64	1.6	2.6	1.4	2.7 J	2.5
1,1-Dichloroethene	5*	1.47	0.95 J	1.6	0.92 J	2.1 J	1.9
1,2,3-Trichlorobenzene	5*	U	U	U	U	UJ	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	UJ	U
1,2-Dichloroethane	0.6	0.230 F	U	0.37 J	U	UJ	U
Acetone	50	U	U	2.7 UB	U	UJ	U
Chlorobenzene	5*	U	U	U	U	UJ	0.4 UJ
Chloroform	7	0.110 F	U	U	0.58 J	UJ	0.4 UJ
cis-1,2-Dichloroethene (DCE)	5*	0.230 F	0.20 J	0.60 J	0.25 J	0.41 J	0.54 J
Methylene chloride	5*	U	U	U	U	UJ	U
Tetrachloroethene (PCE)	5*	U	U	U	U	UJ	U
Trichloroethene (TCE)	5*	62.1	51	43	28	65 J	71 J
Trichlorofluoromethane	5*	U	U	U	U	UJ	U
Total VOCs	-	66.65	54.26	48.88	31.43	70.82	76.75
Field Parameters							
ORP (mV)	--	-158	-241	-109	-68	-225	53
Dissolved Oxygen (mg/L)	--	0.00	1.11	1.88	1.81	1.03	0.73
pH	--	7.27	7.70	7.67	6.30	7.61	7.58

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
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ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-20R**					
Sample Identification	**Groundwater**	775VM20R115AA	775VM20R115AA	775VMW20R115DA	775VMW20R115GA	775VMW20R115KA	775VMW20R115NA
Sample Date	**Standards**	11/20/2006	1/12/2009	9/22/2009	9/27/2010	9/8/2011	9/24/2012
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	U	U	U	U	U	U
1,1-Dichloroethane	5*	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U
Acetone	50	U	U	1.38 F	1.19 FB	4.08 F	U
Chlorobenzene	5*	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U
Trichlorofluoromethane	5*	U	U	U	U	U	U
Total VOCs	-	0	0	1.38	1.19	4.08	U
Field Parameters							
ORP (mV)	--	120	-1	-52	55	-136	-59
Dissolved Oxygen (mg/L)	--	1.59	1.81	1.60	0.38	0.24	1.91
pH	--	7.27	8.70	7.34	7.64	7.59	8.33

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

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UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775VMW-20R**					
Sample Identification	**Groundwater**	775VMW20R115QA	775VMW-20R_1116	775VMW-20R_1117	775VMW-20R_1018	775VMW-20R	775VMW-20R_0920
Sample Date	**Standards**	9/23/2013	11/16/2016	11/16/2017	10/23/2018	10/2/2019	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	U	U	U	UJ	775VMW-20R was not sampled in 2019 due to a scheduling error.	U
1,1-Dichloroethane	5*	U	U	U	UJ		U
1,1-Dichloroethene	5*	U	U	U	UJ		U
1,2,3-Trichlorobenzene	5*	U	U	U	UJ		U
1,2,4-Trichlorobenzene	5*	U	U	U	UJ		U
1,2-Dichloroethane	0.6	U	U	U	UJ		U
Acetone	50	3.67 F	U	4.1 UB	4.8 J		U
Chlorobenzene	5*	U	U	U	UJ		0.4 UJ
Chloroform	7	U	U	U	UJ		0.4 UJ
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	UJ		U
Methylene chloride	5*	U	U	U	UJ		U
Tetrachloroethene (PCE)	5*	U	U	U	UJ		U
Trichloroethene (TCE)	5*	U	U	U	UJ		0.4 UJ
Trichlorofluoromethane	5*	U	U	U	UJ		U
Total VOCs	-	3.67	0	U	4.8		0
Field Parameters							
ORP (mV)	--	-111	-137	-25	-211	Not Sampled	-137
Dissolved Oxygen (mg/L)	--	0.00	1.19	0.28	1.50		0.19
pH	--	7.74	7.51	7.56	8.08		8.01

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

UB - considered artifacts of blank contamination and qualified non-detected.
U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775MW-27**						
Sample Identification	**Groundwater**	775MW-27	775M2771AA	775M2771BB	775M2771CA	775M2771DA	775M2771FA	775M2771GA
Sample Date	**Standards**	11/2/2006	1/13/2009	4/9/2009	6/18/2009	9/22/2009	4/16/2010	10/1/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	1.2	0.500 F	0.580 F	0.550 F	0.540 F	0.470 F	0.500 F
1,1-Dichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	0.110 F	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	0.110 F	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	6.33	U	U	1.47 F	U	U
Chlorobenzene	5*	U	U	U	U	U	U	U
Chloroform	7	0.43 F	0.700	0.610	0.630	0.510	0.580	0.580
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	82	31.3	39.3	36.2	33.4	26	20.8
Trichlorofluoromethane	5*	U	U	U	U	U	U	U
Total VOCs	-	83.63	39.05	40.49	37.38	34.45	27.05	21.88
Field Parameters								
ORP (mV)	--	243	230	144	308	121	165	135
Dissolved Oxygen (mg/L)	--	9.00	10.10	9.67	10.22	9.24	7.00	9.85
pH	--	7.48	6.70	6.73	7.41	7.15	7.83	7.00

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

UB - considered artifacts of blank contamination and qualified non-detected.
U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775MW-27**					
Sample Identification	**Groundwater**	775M2771IA	775M2771KA	775M2771MA	775M2771NA	775M2771OA	775M2771QA
Sample Date	**Standards**	4/5/2011	9/8/2011	4/12/2012	9/25/2012	3/11/2013	9/23/2013
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	0.490 F	0.410 F	0.43 F	0.430 F	U	0.380 F
1,1-Dichloroethane	5*	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U
Acetone	50	4.30 FB	3.82 FB	U	U	4.32 FB	6.88 FB
Chlorobenzene	5*	U	U	U	U	0.170 F	U
Chloroform	7	0.830	0.660	0.940	1.56	U	1.45 B
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	0.520 F	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U
Trichloroethene (TCE)	5*	21.0	18.8	21.1	21.8	U	18.4
Trichlorofluoromethane	5*	U	U	U	U	U	U
Total VOCs	-	26.62	23.69	22.47	23.79	4.92	27.11
Field Parameters							
ORP (mV)	--	197	167	153	119	112	109
Dissolved Oxygen (mg/L)	--	4.75	7.55	7.05	5.22	6.79	8.87
pH	--	7.68	7.65	7.51	7.55	7.44	7.09

Notes:
Qualifiers:
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UB - considered artifacts of blank contamination and qualified non-detected.
U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

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- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775MW-27**					
Sample Identification	**Groundwater**	775M2771TA	775MW-27_1116	775MW-27_1117	775MW-27_0118	775MW-27_0418	775MW-27
Sample Date	**Standards**	9/22/2014	11/17/2016	11/17/2017	1/31/2018	4/19/2018	10/23/2019
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	0.380 F	0.23 J	0.40 J	0.26 J	0.27 J	No sample collected. Dedicated pump is jammed within the well casing.
1,1-Dichloroethane	5*	U	U	U	U	U	
1,1-Dichloroethene	5*	U	U	U	U	U	
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	
1,2-Dichloroethane	0.6	U	U	U	U	U	
Acetone	50	U	U	3.2 UB	U	U	
Chlorobenzene	5*	U	U	U	U	U	
Chloroform	7	1.12	0.41 J	0.44 J	0.38 J	0.36 J	
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	
Methylene chloride	5*	U	U	U	U	U	
Tetrachloroethene (PCE)	5*	U	U	U	U	U	
Trichloroethene (TCE)	5*	24.8	24 J	28	16	22	
Trichlorofluoromethane	5*	U	U	UJ	U	U	
Total VOCs	-	26.3	24.64	28.84	16.64	22.63	
Field Parameters							
ORP (mV)	--	192	125	82	107	103	
Dissolved Oxygen (mg/L)	--	4.98	9.03	8.12	7.94	10.57	
pH	--	7.58	7.03	6.93	8.36	7.56	

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ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775MW-28**						
Sample Identification	**Groundwater**	775MW-28	775M2880BB	775M2880BB	775M2880CA	775M2880DA	775M2880FA	775M2880GA
Sample Date	**Standards**	11/2/2006	1/13/2009	4/9/2009	6/18/2009	9/22/2009	4/16/2010	9/27/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	0.29 F	U	0.150 F♦	U	U	U	U
1,1-Dichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U	0.140 F♦
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U	0.140 F♦
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	1.04 F♦	U	1.62 FB♦
Chlorobenzene	5*	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	15	0.200 F	5.61	0.290 F♦	0.230 F♦	1.27♦	0.390 F♦
Trichlorofluoromethane	5*	U	U	U	U	U	U	U
Total VOCs	-	15.29	0.2	5.75	0.29	1.27	1.27	0.39
Field Parameters								
ORP (mV)	--	222	209	228	115	322	55	84
Dissolved Oxygen (mg/L)	--	8.50	8.63	7.83	9.11	9.15	8.49	10.30
pH	--	7.89	6.95	8.09	7.24	7.84	8.86	7.16

Notes:
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UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775MW-28**					
Sample Identification	**Groundwater**	775M2880IA	775M2880KA	775M2880MA	775M2880NA	775M2880OA	775M2880QA
Sample Date	**Standards**	4/5/2011	9/8/2011	4/12/2012	9/24/2012	3/11/2013	9/24/2013
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	0.110 F	U	U	U	0.140 F	U
1,1-Dichloroethane	5*	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U
Acetone	50	4.56 FB	U	U	2.99 F♦	10.6 B♦	8.97 FB♦
Chlorobenzene	5*	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U
Trichloroethene (TCE)	5*	3.23	0.640 F	2.1 ♦	1.12	7.41 ♦	0.370 F♦
Trichlorofluoromethane	5*	U	U	U	U	U	U
Total VOCs	-	7.9	0.64	2.1	4.11	18.15	9.34
Field Parameters							
ORP (mV)	--	220	143	180	148	119	26
Dissolved Oxygen (mg/L)	--	7.82	7.09	7.67	2.44	7.10	8.04
pH	--	8.15	8.28	7.72	8.50	8.08	8.55

Notes:
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U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775MW-28**					
Sample Identification	**Groundwater**	775M2880TA	775MW-28_1116	775MW-28_1117	775MW-28_1018	775MW-28_1019	775MW-28_0920
Sample Date	**Standards**	9/22/2014	11/16/2016	11/16/2017	10/22/2018	10/1/2019	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	U	U	U	U	U	U
1,1-Dichloroethane	5*	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	U
Chlorobenzene	5*	U	U	U	U	U	0.4 UJ
Chloroform	7	U	U	U	U	U	0.4 UJ
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U
Trichloroethene (TCE)	5*	2.38	3.3	2.3	0.35 J	1.7	1.5 J
Trichlorofluoromethane	5*	U	U	U	U	U	U
Total VOCs	-	2.38	3.3	2.3	0.35	1.7	1.5
Field Parameters							
ORP (mV)	--	91	24	85	27	88	124
Dissolved Oxygen (mg/L)	--	8.30	8.10	7.20	2.14	6.03	3.65
pH	--	8.44	8.25	7.98	8.95	8.29	8.28

Notes:
Qualifiers:
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ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775EW-1**						
Sample Identification	**Groundwater**	775E0175BB	775E0175CA	775E0175DA	775E0175FA	775E0175GA	775E0175IA	775E0175KA
Sample Date	**Standards**	4/15/2009	6/18/2009	9/22/2009	4/16/2010	10/1/2010	4/5/2011	9/8/2011
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	0.420 F	0.430 F	0.410 F	0.430 F	0.510 F	0.570 F	0.450 F
1,1-Dichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	1.80 F	U	U	3.03 FB	7.33 FB
Chlorobenzene	5*	U	U	U	U	U	U	U
Chloroform	7	0.120 F	U	U	0.190 F	0.260 F	0.460 F	0.370 F
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U	U
Trichlorofluoromethane	5*	U	U	U	U	U	U	U
Total VOCs	-	0.54	0.43	2.21	0.62	0.77	4.06	8.15
Field Parameters								
ORP (mV)	--	113	207	102	93	56	200	132
Dissolved Oxygen (mg/L)	--	6.66	8.17	7.74	4.57	8.52	8.01	6.37
pH	--	7.88	7.54	7.16	7.86	7.31	7.57	7.53

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

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U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-2 Site SD052-02 Building 775
Groundwater - Analytical Summary Table (2006-2021)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**775EW-1**					
Sample Identification	**Groundwater**	775E0175MA	775E0175NA	775E0175OA	775E0175QA	EW-1_1116	EW-1_0920
Sample Date	**Standards**	4/12/2012	9/24/2012	3/11/2013	9/23/2013	11/17/2016	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	0.52 F	0.410 F	0.400 F	0.500 F	0.26 J	U
1,1-Dichloroethane	5*	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5*	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5*	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U
Acetone	50	U	U	6.13 FB	5.44 FB	U	U
Chlorobenzene	5*	U	U	U	U	U	0.4 UJ
Chloroform	7	0.43 F	0.450 F	0.540	0.360 FB	0.24 J	0.4 UJ
cis-1,2-Dichloroethene (DCE)	5*	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	2.1 J	0.84 J
Trichlorofluoromethane	5*	U	U	U	U	U	U
Total VOCs	-	0.95	0.860 F	7.07	6.30	2.6	0.84
Field Parameters							
ORP (mV)	--	49	162	95	130	-14	166
Dissolved Oxygen (mg/L)	--	5.45	7.19	8.08	7.91	7.74	3.92
pH	--	7.59	7.58	7.39	7.35	7.22	7.58

Notes:
Qualifiers:
B - The analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

UB - considered artifacts of blank contamination and qualified non-detected.
U - The analyte was analyzed for, but not detected - numerical value is at or below the MDL.
UJ - Estimated non detect flag due to a QC discrepancy
ORP - Oxidation Reduction Potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - millivolt
NYS - New York State
Shaded cells are exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

APPENDIX A-3 SD052-04 LANDFILL 6 TCE SITE ANALYTICAL SUMMARY TABLES

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Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Analytical Summary Table (August 2022)
Griffiss Air Force Base, New York

Location Identification:		LF6MW-12	LF6VMW-13R	LF6MW-13RD	LF6MW-16		LF6MW-17	LF6MW-20	LF6VMW-26	LF6TW-33	LF6TW-34	LF6TW-35	LF6TW-36	LF6TW-38	LF6MW-39	LF6-SW1PM
Field Sample Identification:		LF6MW-12-0822	LF6VMW-13R-0822	LF6VMW-13RD-0822	LF6MW-16-0822	LF6MW-16-0822-A	LF6MW-17-0822	LF6MW-20-0822	WL-LF6VMW-26-0822	WL-LF6TW-33-0822	WL-LF6TW-34-0822	WL-LF6TW-35-0822	WL-LF6TW-36-0822	WL-LF6TW-38-0822	LF6MW-39-0822	LF6SW-1PM-0822
Sample Date:		8/26/2022	8/26/2022	8/26/2022	8/29/2022	8/29/2022	8/29/2022	8/29/2022	8/26/2022	8/29/2022	8/29/2022	8/26/2022	8/26/2022	8/26/2022	8/26/2022	8/26/2022
Sample Type:		Normal	Normal	Normal	Normal	Field Duplicate	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Volatile organic compounds (µg/L)	**NYSDEC AWQ S/GV**															
1,1,1,2-Tetrachloroethane	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	5	5 U	1 UJ	1 UJ	5 UJ	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U
1,2,3-Trichloropropane	0.04	5 U	1 UJ	1 UJ	5 UJ	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	5 U	1 UJ	1 UJ	5 UJ	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.04	10 U	2 UJ	2 UJ	10 UJ	10 U	2 U	2 U	2 U	2 U	2 U	2 U	4 UJ	2 U	2 U	2 U
1,2-Dibromoethane	0.0006	5 U	1 UJ	1 UJ	5 UJ	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U
1,2-Dichlorobenzene	3	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene	NC	**235**	1 UJ	1 UJ	**210 J**	**210**	**35.8**	**86.2**	**6.9**	**52.1**	**90.6**	**3.5**	**24.2 J**	**19.3**	**78.8**	1 U
1,2-Dichloropropane	1	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	3	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
2-Butanone	50	18 U	3.5 UJ	3.5 UJ	18 UJ	18 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	7 UJ	3.5 U	3.5 U	3.5 U
2-Chlorotoluene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
2-Hexanone	50	25 U	5 UJ	5 UJ	25 UJ	25 U	5 U	5 U	5 U	5 U	5 U	5 U	10 UJ	5 U	5 U	5 U
4-Chlorotoluene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	NC	10 U	2 UJ	2 UJ	10 UJ	10 U	2 U	2 U	2 U	2 U	2 U	2 U	4 UJ	2 U	2 U	2 U
Acetone	50	100 U	20 UJ	20 UJ	100 UJ	100 U	20 U	20 U	20 U	20 U	20 U	20 U	40 UJ	20 U	20 U	20 U
Benzene	1	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Bromobenzene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Bromoform	50	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Bromomethane	5	20 U	4 UJ	4 UJ	20 UJ	20 U	4 U	4 U	4 U	4 UJ	4 U	4 U	8 UJ	4 U	4 U	4 U
Carbon disulfide	60	5 U	1 UJ	1 UJ	5 UJ	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U
Carbon Tetrachloride	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Chloroethane	5	5 U	1 UJ	1 UJ	5 UJ	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U
Chloroform	7	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Chloromethane	5	5 U	1 UJ	1 UJ	5 UJ	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	**227**	0.5 UJ	0.5 UJ	**205 J**	**204**	**30.8**	**82.9**	**6.9**	**52.1**	**83.1**	**3.5**	**23.1 J**	**19.3**	**78.8**	0.5 U
cis-1,3-Dichloropropene	0.4	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Cumene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Dibromomethane	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	5 U	1 UJ	1 UJ	5 UJ	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U
Ethylbenzene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5	10 U	1 UJ	1 UJ	5 UJ	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U
m,p-Xylene	5	5 U	1 UJ	1 UJ	5 UJ	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U
Methyl tert-butyl ether	10	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Methylene chloride	5	**29.6**	4 UJ	4 UJ	20 UJ	20 U	4 U	4 U	4 U	4 U	4 U	4 U	**5.5 J**	4 U	4 U	4 U
Naphthalene	10	10 U	2 UJ	2 UJ	10 UJ	10 U	2 U	2 U	2 U	2 U	2 U	2 U	4 UJ	2 U	2 U	2 U
n-Butylbenzene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
n-Propylbenzene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
o-Xylene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
p-Cymene (p-Isopropyltoluene)	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Styrene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	**7.9**	0.5 UJ	0.5 UJ	**5 J**	**6.7**	**5**	**3.3**	0.5 U	0.5 U	**7.5**	0.5 U	**1.1 J**	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4	2.5 U	0.5 UJ	0.5 UJ	2.5 UJ	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Trichloroethene	5	2.5 U	0.5 UJ	0.5 UJ	**8 J**	**25.5 J**	**4.2**	**0.65 J**	0.5 U	**92.6 J**	**10.7**	**17.9**	**111 J**	**71.9**	0.5 U	0.5 U
Trichlorofluoromethane	5	5 U	1 UJ	1 UJ	5 UJ	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 UJ	1 U	1 U	1 U
Vinyl acetate	NC	25 U	5 UJ	5 UJ	25 UJ	25 U	5 U	5 U	5 U	5 U	5 U	5 U	10 UJ	5 U	5 U	5 U
Vinyl chloride	2	2.5 U	**0.57 J**	**2.6 J**	**5.9 J**	**6.4**	**0.78 J**	**2.4**	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
Xylenes, Total	NC	7.5 U	1.5 UJ	1.5 UJ	7.5 UJ	7.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3 UJ	1.5 U	1.5 U	1.5 U

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Analytical Summary Table (August 2022)
Griffiss Air Force Base, New York

Location Identification:		**LF6MW-12**	**LF6VMW-13R**	**LF6MW-13RD**	**LF6MW-16**		**LF6MW-17**	**LF6MW-20**	**LF6VMW-26**	**LF6TW-33**	**LF6TW-34**	**LF6TW-35**	**LF6TW-36**	**LF6TW-38**	**LF6MW-39**	**LF6-SW1PM**
Field Sample Identification:		**LF6MW-12-0822**	**LF6VMW-13R-0822**	**LF6VMW-13RD-0822**	**LF6MW-16-0822**	**LF6MW-16-0822-A**	**LF6MW-17-0822**	**LF6MW-20-0822**	**WL-LF6VMW-26-0822**	**WL-LF6TW-33-0822**	**WL-LF6TW-34-0822**	**WL-LF6TW-35-0822**	**WL-LF6TW-36-0822**	**WL-LF6TW-38-0822**	**LF6MW-39-0822**	**LF6SW-1PM-0822**
Sample Date:		**8/26/2022**	**8/26/2022**	**8/26/2022**	**8/29/2022**	**8/29/2022**	**8/29/2022**	**8/29/2022**	**8/26/2022**	**8/29/2022**	**8/29/2022**	**8/26/2022**	**8/26/2022**	**8/26/2022**	**8/26/2022**	**8/26/2022**
Sample Type:		**Normal**	**Normal**	**Normal**	**Normal**	**Field Duplicate**	**Normal**	**Normal**	**Normal**	**Normal**	**Normal**	**Normal**	**Normal**	**Normal**	**Normal**	**Normal**
Dissolved Gases (µg/L)																
Ethane	NC	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethene	NC	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methane	NC	**18,200**	**0.81**	**2.5**	**143 J**	**9,430 J**	**888**	**1,040**	**0.4 J**	**5,400**	**7.6**	**3.5**	**0.49 J**	**0.43 J**	0.25 U	**37.2**
Organic Carbon (µg/L)																
Dissolved Organic Carbon	NC	**2,100**	**970 J**	**1,300**	**1,900**	**1,800**	**2,100**	**1,600**	**1,600**	**1,900**	**2,200**	**1,700**	**1,000**	**930 J**	**970 J**	**4,300**
Total Organic Carbon	NC	**1,500 J**	1,000 U	**780 J**	**1,500 J**	**1,500 J**	**1,700 J**	**1,100 J**	**1,100 J**	**1,700 J**	**1,800 J**	**1,500 J**	**640 J**	1,000 U	1,000 U	**7,700**
Anions (µg/L)	**NYSDEC AWQ S/GV**															
Sulfate	250,000	**19,000 J**	**24,100**	**25,500**	**14,600**	**15,600**	**25,500**	**20,000**	**27,900**	**20,300 J**	**30,000**	**35,000**	**24,400**	**29,300 J**	**19,500**	**22,000**
Field Parameters																
ORP (mV)	---	-108	-94	-21	-121		-1	-88	70	-99	-38	42	76	14	-74	104
DO (mg/L)	---	0.28	0.28	0.41	0.94		0.33	0.33	5.95	0.42	0.32	0.38	0.37	0.3	0.31	5.68
pH (SU)	---	6.28	6.86	6.21	6.21		6.43	6.45	7.56	6.56	6.33	6.54	6.85	6.69	6.97	6.11

Notes:
NC = no criteria
ORP (mV) = oxidation reduction potential (millivolts)
DO (mg/L) = dissolved oxygen (millligrams per liter)
pH (SU) = potential of hydrogen (standard units)
J = estimated value
U = not detected; reported to limit of detection
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998); Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6MW-12**						
Sample Identification	**Groundwater**	LF6M1246AA	LF6M1246BB	LF6M1246CA	LF6M1246DA	LF6M1246EA	LF6M1246FA	LF6M1246GA
Sample Date	**Standards**	6/29/2006	9/19/2006	12/13/2006	4/17/2007	6/25/2007	10/1/2007	12/12/2007
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	0.76 F	U	U	U	U	U	U
Benzene	1	0.62	0.47 F	U	0.360 F	U	0.390 F	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	470	264	275	192 J	175	179	163
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	16	12.8	8.75 F	4.68	9.00 F	14.9	20.2 F
Trichloroethene (TCE)	5*	1,500	942	1,060 J	851 J	702	741	791
Vinyl chloride	2	2.7	2.4	U	1.27	U	1.57	U
Total VOCs	--	1,990.08	1,222.30	1,348.75	1,049.80	892	937.39	974.2
Method RSK-175 (µg/L)								
Ethane	--	NA	NA	NA	NA	NA	NA	NA
Ethene	--	NA	NA	NA	NA	NA	NA	NA
Methane	--	NA	NA	NA	NA	NA	NA	NA
Wet Chemistry								
DOC (mg/L)	--	2.2	1.7	2	1.6	1.5	1.8	1.7
Sulfate (mg/L)	250	56.9	59	55	53	60	68	72
Field Parameters								
ORP (mV)	--	208	244	23	-55	129	91	92
Dissolved Oxygen (mg/L)	--	0.92	1.77	0.00	0.00	0.00	0.00	0.00
pH	--	7.41	7.57	6.98	7.10	6.69	7.02	7.10

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6MW-12**						
Sample Identification	**Groundwater**	LF6M1246HA	LF6M1246IA	LF6M1246JA	LF6M1246KA	LF6M1246LA	LF6M1246MA	LF6M1246NA
Sample Date	**Standards**	4/7/2008	6/18/2008	10/2/2008	12/11/2008	4/16/2009	7/1/2009	9/16/2009
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	66.0 F	U	U	U	U
Benzene	1	0.310 F	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	158	138	160	266	120	117	174
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	5.31	8.25	28.5	11 F	4.75 F	6.00 F	9.25 F
Trichloroethene (TCE)	5*	767	727	664	523	653	709	711
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	931.11	873.25	929	800	777.75	832	894.25
Method RSK-175 (µg/L)								
Ethane	--	NA	NA	NA	NA	NA	NA	NA
Ethene	--	NA	NA	NA	NA	NA	NA	NA
Methane	--	NA	NA	NA	NA	NA	NA	NA
Wet Chemistry								
DOC (mg/L)	--	1.8	1.6	33	8.3	1.6	1.7	3
Sulfate (mg/L)	250	66	82	23	55	79	70	62
Field Parameters								
ORP (mV)	--	188	51	-267	-105	-197	-94	-43
Dissolved Oxygen (mg/L)	--	0.00	0.00	0.00	0.99	1.70	1.42	3.86
pH	--	7.20	6.70	6.22	6.63	8.29	7.81	6.88

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6MW-12**						
Sample Identification	**Groundwater**	LF6M1246OA	LF6M1246PA	LF6M1246PA	LF6M1246QA	LF6M1246RA	LF6M1246RA	LF6MW-12_1020
Sample Date	**Standards**	3/24/2010	9/16/2010	6/8/2011	6/21/2012	6/19/2013	6/10/2014	10/1/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	0.59 F	U	U	U
1,1-Dichloroethene	5*	U	U	2.1	U	1.8	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	226 F	55	U	5.4 J	970	U
Benzene	1	U	U	0.28	U	0.28 J	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	3.50 F	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	241	972	530	380	430	1,600	320 D
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	7.25 F	5.00 F	6.2	7.9	13	13.0	19 D
Trichloroethene (TCE)	5*	655	14.5 F	220	300	470	3.6	23 D
Vinyl chloride	2	U	U	4.7	4.1	7.1	29.0	U
Total VOCs	--	903.25	1,221	818.28	692.59	927.58	2,615.6	362
Method RSK-175 (µg/L)								
Ethane	--	NA	NA	NA	NA	NA	NA	U
Ethene	--	NA	NA	NA	NA	NA	NA	U
Methane	--	NA	NA	NA	NA	NA	NA	20,000
Wet Chemistry								
DOC (mg/L)	--	4.5	270	12	3.1	3.2	530	1.1 UB
Sulfate (mg/L)	250	66	14	50	47	43	0.36 J	14 J D
Field Parameters								
ORP (mV)	--	-104	-293	-329	-263	-206	-120	-68
Dissolved Oxygen (mg/L)	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00
pH	--	7.16	7.10	6.80	6.36	6.55	5.82	6.81

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6VMW-13R**						
Sample Identification	**Groundwater**	LF6VM13R31AA	LF6VM13R31AB	LF6VM13R31BB	LF6VM13R31CA	LF6VM13R31DA	LF613R31EB	LF6VM13R31FB
Sample Date	**Standards**	11/16/2006	9/26/2008	1/5/2009	4/13/2009	6/22/2009	9/23/2009	4/20/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	1.58 F	2.39 F	U
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U	U
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	0	0	0	0	1.58	2.39	0
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	U	U	U
Methane	--	U	1.8 F	11	U	U	U	U
Wet Chemistry								
DOC (mg/L)	--	0.60 F	0.79 F	1.5	0.44 F	0.94 F	0.96 F	0.68 F
Sulfate (mg/L)	250	34	53	60	67	64	61	51
Field Parameters								
ORP (mV)	--	-130	-188	-93	-79	-142	-170	-143
Dissolved Oxygen (mg/L)	--	0.00	1.60	1.30	0.00	7.78	1.70	0.00
pH	--	7.64	7.80	8.66	7.19	7.63	7.76	7.71

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	LF6VMW-13R						
Sample Identification	Groundwater	LF6VM13R31GA	LF6VM13R31HA	LF6VM13R31IA	LF6VM13R31JA	LF6VM13R31KA	LF6VM13R31LA	LF6VM13R31MA
Sample Date	Standards	10/4/2010	4/8/2011	9/9/2011	4/17/2012	9/27/2012	3/18/2013	9/30/2013
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	2.49 FJB	U	U	U	1.58 FB	1.49 FB
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	0.290 FB	U	0.200 FB	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U	U
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	0	2.49	0.29	0	0.2	1.58	1.49
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	UJ	U	UJ	U	U
Methane	--	U	U	U	U	U	0.81 F	0.57 F
Wet Chemistry								
DOC (mg/L)	--	1.6	2.2	U	U	U	U	0.53 F
Sulfate (mg/L)	250	56	46	51	50	48	50	49
Field Parameters								
ORP (mV)	--	-180	-28	-211	-184	-140	-119	-158
Dissolved Oxygen (mg/L)	--	4.23	0.00	6.70	5.58	0.00	0.00	0.00
pH	--	7.47	8.00	7.81	7.64	7.73	7.67	7.73

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6VMW-13R**						
Sample Identification	**Groundwater**	LF6VM13R31NA	LF6VM13R31OA	LF6VM13R31PA	LF6VM13R31QA	LF6VMW-13R_1116	LF6VMW-13R_1117	LF6VMW-13R_1018
Sample Date	**Standards**	4/2/2014	9/23/2014	4/7/2015	12/3/2015	11/7/2016	11/14/2017	10/20/2018
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	1.97 F	U	U	2.0 UB	U
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	U	U	U	U	U	UJ	U
Methylene chloride	5*	U	U	U	U	U	UJ	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U	U
Vinyl chloride	2	U	U	U	U	U	0.34 J	U
Total VOCs	--	0	0	1.97	0	0	0.34	0
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	U	U	U
Methane	--	1.3 F	2.3	39	59	120	27	U
Wet Chemistry								
DOC (mg/L)	--	0.54 F	0.53 F	0.71 F	U	1.0	0.88 J	0.76 UB
Sulfate (mg/L)	250	41	41	42	NA	41	34	29
Field Parameters								
ORP (mV)	--	-92	-160	-172	-123.3	-169	-128	42
Dissolved Oxygen (mg/L)	--	0.00	0.00	0.00	0.58	1.55	1.23	4.50
pH	--	7.43	7.82	7.33	7.65	7.55	7.78	7.34

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6MW-13RD**						
Sample Identification	**Groundwater**	LF6VMW-13RD	LF6M13RD41AA	LF6M13RD35AB	LF6VM13RD35BB	LF6VM13RD35CA	LF6VM13RD35DA	LF613VMRD35EB
Sample Date	**Standards**	11/1/2006	4/12/2007	9/26/2008	1/5/2009	4/13/2009	6/22/2009	9/23/2009
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	1.20 F	1.26 F
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	0.84	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	20	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	0.60 F	U	U	U	U	U	U
Vinyl chloride	2	U	0.240 F	U	U	U	U	U
Total VOCs	--	20.6	0.24	0	0	0	1.2	1.26
Method RSK-175 (µg/L)								
Ethane	--	NA	NA	U	U	U	U	U
Ethene	--	NA	NA	U	U	U	U	U
Methane	--	NA	NA	1.6 F	1.7 F	U	1.5 F	1.7 F
Wet Chemistry								
DOC (mg/L)	--	NA	NA	1.2	1.6	0.70 F	0.91 F	1.8
Sulfate (mg/L)	250	NA	NA	45	48	51	48	48
Field Parameters								
ORP (mV)	--	-92	-77	-121	-70	-68	-125	-117
Dissolved Oxygen (mg/L)	--	0.30	0.00	1.80	0.95	0.28	3.58	1.92
pH	--	7.68	7.69	7.39	8.28	6.51	7.25	7.78

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	LF6MW-13RD							
Sample Identification	Groundwater	LF6VM13RD35FB	LF6VM13RD35GA	LF6VM13RD35HA	LF6VM13RD35IA	LF6VM13RD35JA	LF6VM13RD35KA	LF6VM13RD35LA	LF6VM13RD35MA
Sample Date	Standards	4/20/2010	10/4/2010	4/8/2011	9/9/2011	4/16/2012	9/27/2012	3/18/2013	9/30/2013
Volatile Organic Compounds (VOCs)	**(µg/L)**								
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U	U
Acetone	50	U	2.69 FB	2.50 FJB	U	U	U	7.01 FB	1.63 FB
Benzene	1	U	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	U	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	0.180 FB	U	U
Naphthalene	10	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U	U	U
Vinyl chloride	2	U	U	U	U	U	U	U	U
Total VOCs	--	0	2.69	2.5	0	0	0.18	7.01	1.63
Method RSK-175 (µg/L)									
Ethane	--	U	U	U	U	U	U	U	U
Ethene	--	U	U	U	UJ	U	UJ	U	U
Methane	--	1.8 F	U	U	U	U	1.9 F	19	42
Wet Chemistry									
DOC (mg/L)	--	1.3	34	0.91 F	0.71 F	0.63 F	0.60 F	0.95 F	1.2
Sulfate (mg/L)	250	49	57	55	57	56	53	47	31
Field Parameters									
ORP (mV)	--	-131	-126	-55	-199	-157	-106	-99	-135
Dissolved Oxygen (mg/L)	--	0.00	4.30	0.00	0.00	0.00	0.00	0.00	0.00
pH	--	7.61	7.35	7.89	7.52	7.29	7.51	7.38	7.47

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	LF6MW-13RD							
Sample Identification	Groundwater	LF6VM13RD35NA	LF6VM13RD35OA	LF6VM13RD35PA	LF6VM13RD35QA	LF6VMW-13RD_1116	LF6VMW-13RD_1117	LF6VMW-13RD_1018	LF6VMW-13RD_1020
Sample Date	Standards	4/2/2014	9/23/2014	4/7/2015	12/3/2015	11/7/2016	11/14/2017	10/20/2018	10/1/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**								
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U	U
Acetone	50	U	U	1.06 F	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	U	U	U	U	U	UJ	U	U
Methylene chloride	5*	U	U	U	U	U	UJ	U	U
Naphthalene	10	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U	U	U
Vinyl chloride	2	0.370 F	0.420 F	0.470 F	0.620 F	0.87 J	1.2 J	U	2.4
Total VOCs	--	0.37	0.42	1.53	0.620	0.87	1.2	0	2.4
Method RSK-175 (µg/L)									
Ethane	--	U	U	U	U	U	UJ	U	1.5 UJ
Ethene	--	U	U	U	U	U	UJ	U	1.4 U
Methane	--	3,300	7,000	8,000	6,800	27,000 D	1,600 J	4.8 J	4.1 J
Wet Chemistry									
DOC (mg/L)	--	2.6	1.4	1.2	2.7	1.5	1.3	0.95 UB	0.67 UB
Sulfate (mg/L)	250	5.3	19	21	NA	4.7 J	34	32	21 J
Field Parameters									
ORP (mV)	--	-205	-177	-173	-137.4	-167	-111	38	-97
Dissolved Oxygen (mg/L)	--	0.01	0.00	0.00	0.29	1.92	0.00	3.70	0.21
pH	--	6.90	7.43	7.19	7.30	7.28	7.16	7.95	7.80

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6MW-16**						
Sample Identification	**Groundwater**	LF6M1645AA	LF6M1645AB	LF6M1645BB	LF6M1645CA	LF6M1645DA	LF6M1645EB	LF6M1645FB
Sample Date	**Standards**	11/16/2006	9/29/2008	1/6/2009	4/13/2009	6/22/2009	9/23/2009	4/20/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	77	U	U	U	U	U
Benzene	1	U	0.240 F	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	0.750 F	U	U	U	5.50 F	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	200	124	148	480	859	232	248
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	3.60	7.00 F	6.50 F	9.50 F	7.50 F	12.2 F
Trichloroethene (TCE)	5*	816	619	664	590	284	588	1,010
Vinyl chloride	2	U	0.570 F	U	U	U	U	U
Total VOCs	--	1,016	748.16	819	1,076.5	1,152.5	833	1,270.2
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	U	U	U
Methane	--	3.7 F	12	7.8	4.7 F	5.5	2.4 F	6.6
Wet Chemistry								
DOC (mg/L)	--	1.5	11	9.9	65	34	1.9	3.2
Sulfate (mg/L)	250	54	57	44	25	25	63	72
Field Parameters								
ORP (mV)	--	343	-299	-170	-22	-269	-150	-82
Dissolved Oxygen (mg/L)	--	1.20	0.00	1.21	0.00	3.49	3.92	0.00
pH	--	7.30	7.13	6.82	7.69	8.16	6.84	7.39

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6MW-16**						
Sample Identification	**Groundwater**	LF6M1645GA	LF6M1645HA	LF6M1645IA	LF6M1645JA	LF6M1645KA	LF6M1645LA	LF6M1645MA
Sample Date	**Standards**	10/5/2010	4/8/2011	9/9/2011	4/16/2012	10/1/2012	3/15/2013	9/30/2013
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	356 FB	53.6 FJB	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	220	190	139	171	130	116	115
Methyl tert-butyl ether	10	U	U	16.2 F	U	U	U	U
Methylene chloride	5*	43.5 FB	U	11.2 F	U	12.5 FB	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	6.00 F	9.00 F	8.40 F	12.0 F	10.2 F	9.25 F	5.80 F
Trichloroethene (TCE)	5*	834	694	786	849	632	575	580
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	1,503.5	946.6	944.6	1,032	784.7	700.25	700.8
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	870	U	U	UJ	U	U
Methane	--	390	1,600	3,300 J	4,300	8,400	7,300	3,500
Wet Chemistry								
DOC (mg/L)	--	48	2.5	2.0	1.4	1.6	1.7	1.7
Sulfate (mg/L)	250	65	97	83	48	59	71	65
Field Parameters								
ORP (mV)	--	-259	-107	-133	-165	-63	-65	-90
Dissolved Oxygen (mg/L)	--	4.48	0.00	0.00	0.00	0.00	0.00	0.00
pH	--	7.76	7.24	6.96	6.85	5.79	6.93	6.92

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	LF6MW-16							
Sample Identification	Groundwater	LF6M1645NA	LF6M1645OA	LF6M1645PA	LF6M1645QA	LF6MW-16_1116	LF6MW-16_1117	LF6MW-16_1018	LF6MW-16_1020
Sample Date	Standards	4/2/2014	9/23/2014	4/6/2015	12/3/2015	11/8/2016	11/15/2017	10/20/2018	10/1/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**								
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	1.0 J	1.3	0.80 J ♦	1.1 J D ♦
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	3.9 J♦	U	U
Benzene	1	U	U	U	U	U	0.30 J	0.16 J ♦	U
Bromodichloromethane	50	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	360	U	U	U	290	220	250 D ♦	260 D ♦
Methyl tert-butyl ether	10	U	U	U	U	U	U	U	U
Methylene chloride	5*	U	17.2 FB	4.00 F	4.80 F	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	18.4 F	9.20 F	10.6	13.4 F	11 J	11	10 D	15 D ♦
Trichloroethene (TCE)	5*	438	379	399	332	180	74	93 D	120 D
Vinyl chloride	2	U	U	3.6	U	1.3 J	1.4 J	1.5 ♦	2.9 J D ♦
Total VOCs	--	816.40	618.4	656.2	612.2	483.3	311.9	355.46	399
Method RSK-175 (µg/L)									
Ethane	--	U	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	U	U	U	U
Methane	--	8,200	16,000	16,000	16,000	43,000 D	30,000 J♦	11,000 D ♦	12,000
Wet Chemistry									
DOC (mg/L)	--	1.9	1.5	1.4	2.1	3.4 UB♦	2.2	1.5 ♦	1.1 UB
Sulfate (mg/L)	250	48	56	51	NA	40	23	20	16 J D ♦
Field Parameters									
ORP (mV)	--	-170	-128	-125	-52.0	-120	-64	-151	-36
Dissolved Oxygen (mg/L)	--	0.00	2.28	0.00	0.22	1.20	0.00	4.00	0.00
pH	--	6.92	6.70	6.48	6.51	6.64	6.82	7.11	6.79

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6MW-17**						
Sample Identification	**Groundwater**	LF6M1750AB	LF6M1750BB	LF6M1750CA	LF6M1750DA	LF6M1750EB	LF6M1750FB	LF6M1750GA
Sample Date	**Standards**	9/29/2008	1/5/2009	4/13/2009	6/22/2009	9/24/2009	4/20/2010	10/5/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	598	299 ♦	382	49.8 F	U	10.5 F♦	U
Benzene	1	1.31	U	U	U	U	1.20 F♦	1.70 F♦
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	58.9	28.2 F♦	52.0 F	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	0.740	3.20 F	2.20 F	U	2.80 F	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	324	178 ♦	155	226	278	327 ♦	283 ♦
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	3.60 F♦	U	9.60 FB♦
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	75.2	60.2 ♦	57.0	71.2	93.0 ♦	123 ♦	132 ♦
Trichloroethene (TCE)	5*	181	302	265	146	162 ♦	274 ♦	100 ♦
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	1,239.15	870.6	913.2	493	539.4	724	526.3
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	U	U	U
Methane	--	8.8	4.6 F♦	5.6	11	25 ♦	8.3 ♦	9.2 ♦
Wet Chemistry								
DOC (mg/L)	--	350	190	160	69	18 ♦	2.7	3.4
Sulfate (mg/L)	250	80	34	37	37	70 ♦	71	87
Field Parameters								
ORP (mV)	--	-289	-321	-276	-310	-256	-232	-207
Dissolved Oxygen (mg/L)	--	0.00	0.05	0.00	0.72	3.70	0.00	4.05
pH	--	7.26	9.56	9.22	8.50	6.76	7.69	7.63

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6MW-17**						
Sample Identification	**Groundwater**	LF6M1750HA	LF6M1750IA	LF6M1750JA	LF6M1750KA	LF6M1750LA	LF6M1750MA	LF6M1750NA
Sample Date	**Standards**	4/8/2011	9/9/2011	4/16/2012	10/1/2012	3/15/2013	9/30/2013	4/2/2014
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	52.8 FJB♦	38.7 FB♦	U	U	11.0 FB♦	10.5 FB	U
Benzene	1	1.40 F	1.20 F	U	1.50 F	1.60 F	1.20 F	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	290	494 ♦	328 ♦	229	224 ♦	206 ♦	332♦
Methyl tert-butyl ether	10	U	8.60 F	U	U	U	U	U
Methylene chloride	5*	U	6.60 FB♦	U	4.80 FB	1.70 ♦	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	127	115	132 ♦	114	104 ♦	86.8 ♦	67.9
Trichloroethene (TCE)	5*	248 ♦	134 ♦	245 ♦	194	204	253	102 ♦
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	719.2	762	705	543.3	546.3	557.5	501.90
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	UJ	U	U	U
Methane	--	28.0	2,400 ♦	6,700	1,400 ♦	72 J	2,100 ♦	2,700 J♦
Wet Chemistry								
DOC (mg/L)	--	2.0	2.9	2.1 ♦	1.7	1.9	2.0 ♦	4.3 ♦
Sulfate (mg/L)	250	99	86	59 ♦	64	67	71 ♦	56
Field Parameters								
ORP (mV)	--	-53	-87	-104	-30	-1	-31	-132
Dissolved Oxygen (mg/L)	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00
pH	--	7.22	6.73	6.40	5.71	7.02	7.04	6.64

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6MW-17**						
Sample Identification	**Groundwater**	LF6M1750OA	LF6M1750PA	LF6M1750QA	LF6MW-17_1116	LF6MW-17_1117	LF6MW-17_1018	LF6MW-17_1020
Sample Date	**Standards**	9/23/2014	4/7/2015	12/3/2015	11/8/2016	11/14/2017	10/20/2018	10/1/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	0.63 J♦	0.65 J	0.61 J ♦	0.71 J D ♦
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	U	U
Benzene	1	U	U	U	0.49 J♦	0.46 J ♦	0.35 J ♦	0.80 J D
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	335♦	252♦	247	190	220 J ♦	180 D ♦	250 D
Methyl tert-butyl ether	10	U	U	U	U	UJ	U	U
Methylene chloride	5*	6.10 F♦	3.90 F	2.30 F	U	UJ	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	79.8	59.6♦	56.5	47 ♦	51 J ♦	47 D ♦	54 D
Trichloroethene (TCE)	5*	120	126	184	180	200 J ♦	150 D ♦	37 D
Vinyl chloride	2	U	U	U	0.41 J ♦	0.84 J ♦	1.1 J ♦	5.1 D ♦
Total VOCs	--	540.90	441.50	489.80	418.53	472.95	379.06	347.61
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	UJ	U	U
Ethene	--	U	U	U	U	UJ	U	U
Methane	--	13,000	11,000♦	6,600	8,400	19,000	7,200	13,000
Wet Chemistry								
DOC (mg/L)	--	2.2	1.8♦	1.7	2.8 UB	2	1.6	2.3 UB
Sulfate (mg/L)	250	59	62♦	NA	43	26	30 ♦	21 J D
Field Parameters								
ORP (mV)	--	-80	-98	-14.1	-89	-43	-162	-33
Dissolved Oxygen (mg/L)	--	0.46	0.00	0.24	0.92	0.00	4.80	0.00
pH	--	7.03	6.93	6.96	6.87	6.67	7.42	6.94

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6MW-20**						
Sample Identification	**Groundwater**	LF6M2046AA	LF6M2046AB	LF6M2046BB	LF6M2046CA	LF6M2046DA	LF6M2046GA	LF6M2046IA
Sample Date	**Standards**	3/30/2007	9/29/2008	1/6/2009	4/13/2009	6/22/2009	10/5/2010	9/12/2011
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	649	62.5 F	U	U	3,000	101 FB
Benzene	1	U	0.450 F	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	284	200	396	347	309	2,230	1,430
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	42.5 FB	53.5 B
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	25.5 F	30.0	40.0 F	31.0 F	33.5 F	86.5	33.0 F
Trichloroethene (TCE)	5*	1,140	1,000	722	664	833	217	39.5 F
Vinyl chloride	2	U	0.710 F	U	U	U	U	U
Total VOCs	--	1,449.5	1,880.2	1,220.5	1,042	1,175.5	5,576	1,556
Method RSK-175 (µg/L)								
Ethane	--	NA	U	U	U	U	U	U
Ethene	--	NA	U	U	U	U	U	U
Methane	--	NA	15	U	7.9	23	10,000	4,500
Wet Chemistry								
DOC (mg/L)	--	NA	120	22	20	12	530	5.7
Sulfate (mg/L)	250	NA	35	20	34	53	7.4	75
Field Parameters								
ORP (mV)	--	-37	-290	-245	-257	-285	-235	-168
Dissolved Oxygen (mg/L)	--	0.00	0.02	1.27	2.14	0.63	4.91	0.00
pH	--	7.24	6.70	6.96	8.99	8.36	7.55	6.82

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	LF6MW-20					
Sample Identification	Groundwater	LF6M2046KA	LF6M2046LA	LF6M2046MA	LF6M2046NA	LF6M2046OA	LF6M2046PA
Sample Date	Standards	9/28/2012	3/15/2013	9/30/2013	4/2/2014	9/23/2014	4/6/2015
Volatile Organic Compounds (VOCs)	**(µg/L)**						
1,1,1-Trichloroethane	5*	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	1.80 F♦
1,2-Dichloroethane	0.6	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	699	420	462	1,220	348	464♦
Methyl tert-butyl ether	10	U	U	U	U	U	U
Methylene chloride	5*	30.5 FB	4.50 FB	U	U	9.40 F	6.60 F
Naphthalene	10	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	25.5 F	18.2 F	24.4	45.4	10.2 F	21.7♦
Trichloroethene (TCE)	5*	157	284	188	300 M	136	296♦
Vinyl chloride	2	U	U	U	12.2 F	U	4.20 F♦
Total VOCs	--	912.5	726.7	674.4	1,577.60	503.6	794.3
Method RSK-175 (µg/L)							
Ethane	--	U	U	U	U	U	U
Ethene	--	UJ	U	U	U	U	U
Methane	--	13,000	7,600	5,000	9,700 J	15,000	18,000 J
Wet Chemistry							
DOC (mg/L)	--	2.7	1.7	2.1	12	1.9	1.8♦
Sulfate (mg/L)	250	53	68	62	27♦	35	42
Field Parameters							
ORP (mV)	--	-52	-34	-74	-159	-92	-127
Dissolved Oxygen (mg/L)	--	0.00	0.00	0.00	0.00	1.78	0.00
pH	--	6.54	6.52	6.67	6.51	6.77	6.53

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6MW-20**				
Sample Identification	**Groundwater**	LF6M2046QA	LF6MW-20_1116	LF6MW-20_1117	LF6MW-20_1018	LF6MW-20_1020
Sample Date	**Standards**	12/3/2015	11/8/2016	11/15/2017	10/20/2018	10/1/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**					
1,1,1-Trichloroethane	5*	U	U	U	U	U
1,1-Dichloroethene	5*	2.10 F♦	1.7 J	0.87 J	0.97 J	0.89 J D
1,2-Dichloroethane	0.6	U	U	U	U	U
Acetone	50	U	U	4.9 J	U	U
Benzene	1	U	U	0.21 J	0.25 J	U
Bromodichloromethane	50	U	U	U	U	U
2-Butanone	50	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U
Chloroform	7	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U
cis-1,2-Dichloroethene	5*	452 ♦	340	140	300 D	330 D
Methyl tert-butyl ether	10	U	U	U	U	U
Methylene chloride	5*	3.40 F	U	U	U	U
Naphthalene	10	U	U	U	U	U
Toluene	5*	U	U	U	U	U
trans-1,2-Dichloroethene	5*	25.1 ♦	22	5.6 J	16 D	15 D
Trichloroethene (TCE)	5*	240 ♦	190	55	140 D	59 D
Vinyl chloride	2	4.40 ♦	2.9 J	1.3 J	3.0	13 D
Total VOCs	--	725.8	556.6	207.88	460.22	417.89
Method RSK-175 (µg/L)						
Ethane	--	U	U	U	U	U
Ethene	--	U	U	U	U	0.68 J
Methane	--	15,000	41,000 D	7,900	11,000 D	8,800
Wet Chemistry						
DOC (mg/L)	--	1.7	2.3 UB	1.7	1.3 UB	1.1 UB
Sulfate (mg/L)	250	NA	34	29	35 J	21 J D
Field Parameters						
ORP (mV)	--	-92.7	-133	-114	-151	-59
Dissolved Oxygen (mg/L)	--	0.20	1.10	7.35	2.7	0.00
pH	--	6.34	6.59	6.82	6.99	6.75

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	LF6VMW-26							
Sample Identification	Groundwater	LF6VM2653AA	LF6VM2660AB	LF6VM2650BB	LF6VM2650CA	LF6VM2650DA	LF6VM2650EB	LF6VM2650FB	LF6VM2650GA
Sample Date	Standards	11/16/2006	9/29/2008	1/5/2009	4/13/2009	6/22/2009	9/17/2009	4/20/2010	10/4/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**								
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	U	U	8.90 FB
Benzene	1	U	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	84.0 ♦	81.6	92.0	96.8 ♦	101	101	101	77.6
Methyl tert-butyl ether	10	U	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U	1.15 FB
Naphthalene	10	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.28 F♦	U	1.00 F	0.700 F ♦	1.20 F ♦	1.05 F	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U	U	U
Vinyl chloride	2	0.525 F♦	U	U	U	U	U	U	U
Total VOCs	--	85.805	81.6	93	97.5	102.2	102.05	101	87.65
Method RSK-175 (µg/L)									
Ethane	--	U	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	U	U	U	U
Methane	--	1.6 F♦	U	U	U	U	U	U	U
Wet Chemistry									
DOC (mg/L)	--	0.59 F♦	0.87 F	0.99 F	1.2	0.63 F	0.44 F	1.1	0.90 F
Sulfate (mg/L)	250	42	48	51	58	54	52	50	53
Field Parameters									
ORP (mV)	--	198	-121	-53	-70	-60	-85	-107	-93
Dissolved Oxygen (mg/L)	--	1.10	4.63	1.46	0.15	2.48	1.58	0.00	5.06
pH	--	7.30	7.38	8.57	7.30	7.20	7.49	7.73	7.13

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	LF6VMW-26						
Sample Identification	Groundwater	LF6VM2650HA	LF6VM2650IA	LF6VM2650JA	LF6VM2650KA	LF6VM2650LA	LF6VM2650MA	LF6VM2650NA
Sample Date	Standards	4/8/2011	9/9/2011	4/17/2012	9/28/2012	3/15/2013	9/30/2013	4/2/2014
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	22 FJB	U	U	U	7.02 FB	U	U
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	10.4 F	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	0.630 F	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	94.0	90.8	95.5	89.5	68.8	90.3	103
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	5.25 B	U	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	0.600 F	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U	U
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	126.4	90.8	96.1	95.38	75.82	90.3	103
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	UJ	U	U	U
Methane	--	U	U	U	U	0.74 F	U	U
Wet Chemistry								
DOC (mg/L)	--	0.72 F	0.58 F	U	0.67 F	U	0.54 F	U
Sulfate (mg/L)	250	49	48	41	42	46	43	37
Field Parameters								
ORP (mV)	--	-47	-140	-134	-95	-95	-116	-89
Dissolved Oxygen (mg/L)	--	0.00	0.00	1.31	0.00	0.00	6.17	0.00
pH	--	8.10	7.76	7.31	7.61	7.54	7.61	7.23

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6VMW-26**						
Sample Identification	**Groundwater**	LF6VM2650OA	LF6VM2650PA	LF6VM2650QA	LF6VMW-26_1116	LF6VMW-26_1117	LF6VMW-26_1018	LF6VMW-26_1020
Sample Date	**Standards**	9/24/2014	4/9/2015	12/3/2015	11/7/2016	11/13/2017	10/20/2018	10/1/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	2.7 UB	U	U
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	132	103	104	98	110	100 D	140 D
Methyl tert-butyl ether	10	U	U	U	U	UJ	U	U
Methylene chloride	5*	U	U	1.05 F	U	UJ	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	0.950 F	0.750 F	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U	U
Vinyl chloride	2	U	U	U	U	0.19 J	0.10 J	U
Total VOCs	--	132	103.95	105.8	98	110.19	100.1	140
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	U	U	U
Methane	--	U	U	1.2 F	1.2 J	0.79 J	1.2 J	1.7 J
Wet Chemistry								
DOC (mg/L)	--	0.73 F	0.55 F	U	0.86 J	0.75 J	0.65 UB	0.59 UB
Sulfate (mg/L)	250	37	40	NA	35	30	27	21 J D
Field Parameters								
ORP (mV)	--	-118	-132	-76.4	-152	-102	-184	-96
Dissolved Oxygen (mg/L)	--	2.37	0.00	3.96	1.26	8.80	2.30	0.41
pH	--	7.58	6.78	7.71	7.57	8.18	7.74	7.80

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6MW-31**						
Sample Identification	**Groundwater**	LF6MW-31	LF6M3145AB	LF6M3145BB	LF6M3145CA	LF6M3145DA	LF6M3145EB	LF6M3145FB
Sample Date	**Standards**	10/31/2006	9/29/2008	1/5/2009	4/13/2009	6/22/2009	9/23/2009	4/20/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	2.26 F	U
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	0.38 F	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	0.52 F	0.280 F	0.230 F	0.230 F	0.250 F	0.190 F	0.210 F
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U	U
Vinyl chloride	2	0.29 F	U	0.430 F	0.400 F	0.480 F	0.480 F	0.380 F
Total VOCs	--	1.19	0.28	0.66	0.63	0.73	2.93	0.59
Method RSK-175 (µg/L)								
Ethane	--	NA	U	U	U	U	U	U
Ethene	--	NA	U	U	U	U	U	U
Methane	--	NA	10	12	3.9 F	5.7	4.5 F	15
Wet Chemistry								
DOC (mg/L)	--	NA	2.8	3.3	2.8	2.8	2.8	2.8
Sulfate (mg/L)	250	NA	49	55	61	61	63	60
Field Parameters								
ORP (mV)	--	-123	-101	-72	-94	-176	-89	-106
Dissolved Oxygen (mg/L)	--	0.40	0.00	0.89	1.51	0.82	4.86	0.00
pH	--	7.09	6.01	8.41	8.15	7.98	6.54	7.27

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6MW-31**						
Sample Identification	**Groundwater**	LF6M3145GA	LF6M3145HA	LF6M3145IA	LF6M3145JA	LF6M3145KA	LF6M3145LA	LF6M3145MA
Sample Date	**Standards**	10/5/2010	4/8/2011	9/9/2011	4/17/2012	9/28/2012	3/15/2013	9/30/2013
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	1.99 FJB	1.15 FB	U	U	5.66 FB	1.58 FB
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	0.210 F	0.190 F	U	0.150 F	0.140 F	0.140 F	0.150 F
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	0.200 FB	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U	U
Vinyl chloride	2	0.410 F	0.440 F	0.440 F	0.400 F	0.440 F	0.510 F	0.390 F
Total VOCs	--	0.62	2.62	1.59	0.55	0.78	6.31	2.12
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	UJ	U	U
Methane	--	12	10	4.9	6.5	6.6	5.9	4.2
Wet Chemistry								
DOC (mg/L)	--	3.3	2.2	2.7	2.4	2.0	2.0	2.1
Sulfate (mg/L)	250	56	55	72	74	71	78	80
Field Parameters								
ORP (mV)	--	-117	-104	-158	-158	-91	-107	-130
Dissolved Oxygen (mg/L)	--	4.73	0.00	0.00	0.00	0.00	0.00	0.00
pH	--	7.56	7.14	6.89	6.85	6.98	7.01	7.06

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6MW-31**						
Sample Identification	**Groundwater**	LF6M3145NA	LF6M3145OA	LF6M3145PA	LF6M3145QA	LF6MW-31_1116	LF6MW-31_1117	LF6MW-31_1018
Sample Date	**Standards**	4/2/2014	9/23/2014	4/7/2015	12/3/2015	11/8/2016	11/15/2017	10/19/2018
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	UJ	U	U
1,1-Dichloroethene	5*	U	U	U	U	UJ	U	U
1,2-Dichloroethane	0.6	U	U	U	U	UJ	U	U
Acetone	50	U	U	1.46 F	U	UJ	U	U
Benzene	1	U	U	U	U	UJ	U	U
Bromodichloromethane	50	U	U	U	U	UJ	U	U
2-Butanone	50	U	U	U	U	UJ	U	U
Carbon disulfide	60	U	U	U	U	UJ	U	U
Chloroform	7	U	U	U	U	UJ	U	U
Chloromethane	5*	U	U			UJ	U	U
cis-1,2-Dichloroethene	5*	0.140 F	U	0.210 F	0.210 F	UJ	0.47 J	U
Methyl tert-butyl ether	10	U	U	U	U	UJ	U	U
Methylene chloride	5*	U	U	U	U	UJ	U	U
Naphthalene	10	U	U	U	U	UJ	U	U
Toluene	5*	U	U	U	U	UJ	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	UJ	U	U
Trichloroethene (TCE)	5*	U	U	U	U	UJ	0.91 J	U
Vinyl chloride	2	0.490 F	0.450 F	0.440 F	0.560 F	0.32 J	U	0.29 J
Total VOCs	--	0.630	0.45	2.11	0.77	0.32	1.38	0.29
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	U	U	U
Methane	--	3.4	5.8	5.6	5.4	9.8	35	6.5
Wet Chemistry								
DOC (mg/L)	--	2.3	2.1	1.8	1.5	2.4 UB	2.1	1.7
Sulfate (mg/L)	250	77	73	71	NA	51	45	41
Field Parameters								
ORP (mV)	--	-136	-127	-155	-79.7	-152	-84	-158
Dissolved Oxygen (mg/L)	--	0.00	0.00	0.00	0.22	1.37	2.75	1.80
pH	--	6.90	7.14	6.90	6.96	6.94	7.14	6.95

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6TW-33**						
Sample Identification	**Groundwater**	LF6T3305AA	LF6T3306AB	LF6T3307BB	LF6T3305CA	LF6T3307DA	LF6T3306EB	LF6T3306FB
Sample Date	**Standards**	4/12/2007	9/29/2008	1/5/2009	4/13/2009	6/22/2009	9/24/2009	4/21/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	1.10 F	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	31.7	22.0	40.6	39.0	44.0	83.4	68.4
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	0.120 F	U	U	U	U	U	U
Trichloroethene (TCE)	5*	202	80.2	255	272	252	256	218
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	233.82	102.2	295.6	311	296	340.5	286.4
Method RSK-175 (µg/L)								
Ethane	--	NA	U	U	U	U	U	U
Ethene	--	NA	U	U	U	U	U	U
Methane	--	NA	1.9 F	8.7	4.9 F	5.2	20	13
Wet Chemistry								
DOC (mg/L)	--	NA	1.5	3.7	1.5	2.5	15	3.4
Sulfate (mg/L)	250	NA	48	71	68	60	58	58
Field Parameters								
ORP (mV)	--	97	71	154	35	58	-85	-91
Dissolved Oxygen (mg/L)	--	9.93r	6.35r	7.59r	7.29r	9.27r	9.32r	1.12r
pH	--	6.81	7.44	7.02	7.60	7.06	7.90	7.09

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6TW-33**						
Sample Identification	**Groundwater**	LF6T3307GA	LF6T3306HA	LF6T3304IA	LF6T3304JA	LF6T3304KA	LF6T3306LA	LF6T3306MA
Sample Date	**Standards**	10/4/2010	4/8/2011	9/12/2011	4/17/2012	9/28/2012	3/18/2013	10/1/2013
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	0.560 F	0.380 F	U	U	U	U
Acetone	50	2.16 FB	6.80 FJB	U	U	U	11.5 FB	U
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	5.36 F	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	17.5	85.1	69.1	69.5	71.3	52.6	57.8
Methyl tert-butyl ether	10	U	U	U	U		U	U
Methylene chloride	5*	1.54 FB	U	1.76 FB	U	2.80 FB	2.40 FB	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	0.400 F	0.560 F	0.520 F	0.900 F	U	U	U
Trichloroethene (TCE)	5*	63.9	133	148	204	127	216	78.5
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	85.5	231.38	219.76	274.4	201.1	282.5	136.3
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	UJ	U	U
Methane	--	1.8 F	39	390	4,600	100	180	12 J
Wet Chemistry								
DOC (mg/L)	--	10	5	2.6	2.7	2.4	2.3	2.3
Sulfate (mg/L)	250	46	68	77	79	85	76	88
Field Parameters								
ORP (mV)	--	9	-63	-131	-93	-49	-83	-96
Dissolved Oxygen (mg/L)	--	7.49r	10.42r	1.85r	11.09r	11.00r	1.53r	2.83r
pH	--	6.98	6.85	7.03	7.00	7.29	7.25	7.12

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6TW-33**							
Sample Identification	**Groundwater**	LF6T3305NA	LF6T3306OA	LF6T3306PA	LF6T3307QA	LF6TW-33_1116	LF6TW-33_1117	LF6TW-33_1018	LF6TW-33_1020
Sample Date	**Standards**	4/3/2014	9/24/2014	4/8/2015	12/3/2015	11/9/2016	11/13/2017	10/19/2018	10/1/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**								
1,1,1-Trichloroethane	5*	U	U	U	U	UJ	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	0.16 J	0.27 J	U	U
1,2-Dichloroethane	0.6	U	U	0.440 F	U	UJ	U	U	0.45 J
Acetone	50	U	U	2.14 F	U	3.5 UB	6.1 UB	U	U
Benzene	1	U	U	U	U	UJ	U	U	0.17 J
Bromodichloromethane	50	U	U	U	U	UJ	U	U	U
2-Butanone	50	U	U	U	U	UJ	U	U	U
Carbon disulfide	60	U	U	U	U	UJ	U	U	U
Chloroform	7	U	U	U	U	UJ	U	U	U
Chloromethane	5*	U	U	U	U	UJ	U	U	U
cis-1,2-Dichloroethene	5*	67.0	60.8 J	59.5	67.8	42 J	41.0	37.0	57
Methyl tert-butyl ether	10	U	U	U	U	UJ	U	U	U
Methylene chloride	5*	U	1.65 FB	U	U	UJ	U	U	U
Naphthalene	10	U	U	U	U	UJ	U	U	U
Toluene	5*	U	U	U	U	UJ	U	U	0.47 J
trans-1,2-Dichloroethene	5*	U	U	0.620 F	0.850 F	0.38 J	0.42 J	0.32 J	0.45 J
Trichloroethene (TCE)	5*	108	243 J	101	62.0	130 J	150	140 D	130
Vinyl chloride	2	U	U	U	U	0.20 J	U	0.22 J	0.46 J
Total VOCs	--	175	305.45	163.7	130.65	176.24	191.69	177.54	189.00
Method RSK-175 (µg/L)									
Ethane	--	U	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	U	U	U	U
Methane	--	38	86	25	12	13	4,700	2,400	6,400
Wet Chemistry									
DOC (mg/L)	--	2.2	2.2	2.0	2.2	2.4	2.1	1.9	1.4 UB
Sulfate (mg/L)	250	73	67	61	NA	50	35	32	21 J D
Field Parameters									
ORP (mV)	--	-94	-101	-101	-35.6	-99	-78	-151	-56
Dissolved Oxygen (mg/L)	--	8.76r	5.88r	0.00r	1.26r	1.22	0.00	2.00	1.18
pH	--	6.83	7.17	6.38	6.85	6.32	7.11	7.22	7.24

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6TW-34**						
Sample Identification	**Groundwater**	LF6T3404AA	LF6T3406AB	LF6T3407BB	LF6T3405CA	LF6T3405DA	LF6T3406EB	LF6T3406FB
Sample Date	**Standards**	4/12/2007	9/29/2008	1/5/2009	4/13/2009	6/22/2009	9/24/2009	4/21/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	38.3	16.4	67	41.7	25.6	105	87.6
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	1.35 F	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	9.85	1.38 F	16.2	10.3	6.55	26.0	26.2
Trichloroethene (TCE)	5*	78.8	37.1	162	157	93.4	226	221
Vinyl chloride	2	1.15	U	0.875 F	U	U	U	U
Total VOCs	--	128.1	54.88	246.075	209	125.55	358.35	334.8
Method RSK-175 (µg/L)								
Ethane	--	NA	U	U	U	U	U	U
Ethene	--	NA	U	U	U	U	U	U
Methane	--	NA	7.9	15	12	14	16	11
Wet Chemistry								
DOC (mg/L)	--	NA	2.9	4.2	9.7	3.5	6.9	2.9
Sulfate (mg/L)	250	NA	69	69	85	78	67	82
Field Parameters								
ORP (mV)	--	-11	-77	28	-17	-4	-49	-69
Dissolved Oxygen (mg/L)	--	7.44r	9.11r	5.69r	10.22r	5.98r	8.88r	3.05r
pH	--	6.67	7.13	6.69	7.80	6.74	7.80	7.07

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6TW-34**						
Sample Identification	**Groundwater**	LF6T3407GA	LF6T3406HA	LF6T3406IA	LF6T3406JA	LF6T3406KA	LF6T3406LA	LF6T3406MA
Sample Date	**Standards**	10/4/2010	4/8/2011	9/12/2011	4/17/2012	9/28/2012	3/18/2013	10/1/2013
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	23.6 FJB	U	U	U	9.15 FB	U
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	10.0 F	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	59.3	68.4	59.6	46.1	63.8	42	39.8
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	0.850 FB	U	2.30 FB	U	2.95 FB	0.950 FB	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	11.1	25.2	23.1	17.9	27.8	21.6	23.3
Trichloroethene (TCE)	5*	75.8	272	203	156	230	200	198
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	147.05	399.2	288	220	324.55	273.7	261.1
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	UJ	U	U
Methane	--	3.5 F	6.4	5.6	7.9	5.2	5.4	1.6 F
Wet Chemistry								
DOC (mg/L)	--	18	6.3	2.3	2.7	1.8	2.1	2
Sulfate (mg/L)	250	81	97	76	59	74	69	64
Field Parameters								
ORP (mV)	--	87	-43	-101	-40	-32	-69	-73
Dissolved Oxygen (mg/L)	--	6.07r	6.36r	1.71r	2.38r	3.5r	5.11r	3.42r
pH	--	6.78	7.23	7.22	6.38	7.13	7.40	7.13

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6TW-34**							
Sample Identification	**Groundwater**	LF6T3405NA	LF6T3406OA	LF6T3405PA	LF6T3407QA	LF6TW-34_1116	LF6TW-34_1117	LF6TW-34_1018	LF6TW-34_1020
Sample Date	**Standards**	4/3/2014	9/24/2014	4/7/2015	12/3/2015	11/9/2016	11/13/2017	10/19/2018	10/1/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**								
1,1,1-Trichloroethane	5*	U	U	U	U	UJ	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	51 J	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	UJ	U	U	U
Acetone	50	U	U	U	U	3.7 UB	U	U	U
Benzene	1	U	U	U	U	UJ	U	U	U
Bromodichloromethane	50	U	U	U	U	UJ	U	U	U
2-Butanone	50	U	U	U	U	UJ	U	U	U
Carbon disulfide	60	U	U	U	U	UJ	U	U	U
Chloroform	7	U	U	U	U	UJ	U	U	U
Chloromethane	5*	U	U	U	U	UJ	U	U	U
cis-1,2-Dichloroethene	5*	39.1	36.1	31.2	20.7	29 J	26	30	140 D
Methyl tert-butyl ether	10	U	U	U	U	UJ	UJ	U	U
Methylene chloride	5*	U	2.10 FB	3.50 F	2.30 F	UJ	0.34 UB	U	U
Naphthalene	10	U	U	U	U	UJ	U	U	U
Toluene	5*	U	U	U	U	UJ	U	U	0.41 J D
trans-1,2-Dichloroethene	5*	23.0	24.1	22	15.3	22 J	17	9.3	4.7 D
Trichloroethene (TCE)	5*	201	229	192	137	160 J	100	42 J D	17 D
Vinyl chloride	2	U	U	U	U	0.14 J	0.22 J	0.13 J	U
Total VOCs	--	263.1	291.3	248.7	175.3	214.84	143.22	81.43	162.11
Method RSK-175 (µg/L)									
Ethane	--	U	U	U	U	U	UJ	U	U
Ethene	--	U	U	U	U	U	UJ	U	U
Methane	--	2.3	3.9	3.4	4.9	6.6	5.4 J	3.3 J	6.5
Wet Chemistry									
DOC (mg/L)	--	1.9	1.7	1.8	1.4	2.1 UB	1.9	1.7	1.7 UB
Sulfate (mg/L)	250	52	54	50	NA	40	38	39 J	36 J D
Field Parameters									
ORP (mV)	--	-89	-63	-89	-17.2	-90	-45	-118	-22
Dissolved Oxygen (mg/L)	--	9.04r	1.37r	3.58r	1.54r	1.28	0.00	1.90	0.32
pH	--	6.89	7.26	6.62	7.02	6.75	6.67	6.91	7.39

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
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Sample Location	**NYS Class GA**	**LF6TW-35**						
Sample Identification	**Groundwater**	LF6T3506AA	LF6T3506AB	LF6T3505BB	LF6T3505CA	LF6T3507DA	LF6T3506EB	LF6T3506FB
Sample Date	**Standards**	4/12/2007	9/29/2008	1/5/2009	4/13/2009	6/22/2009	9/24/2009	4/21/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	1.30 F	U
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	0.400 F	U	U	U	U
cis-1,2-Dichloroethene	5*	2.43	3.76	5.34	5.01	5.29	5.01	6.68
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	11.0	18.6	32.7	31.3	27.9	34.0	28.6
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	13.43	22.36	38.44	36.31	33.19	40.31	35.28
Method RSK-175 (µg/L)								
Ethane	--	NA	U	U	U	U	U	U
Ethene	--	NA	U	U	U	U	U	U
Methane	--	NA	2.8 F	9.0	7.4	9.4	19	12
Wet Chemistry								
DOC (mg/L)	--	NA	1.9	3.6	1.7	1.8	34	2.3
Sulfate (mg/L)	250	NA	56	85	82	74	79	71
Field Parameters								
ORP (mV)	--	256	98	155	91	-99	69	93
Dissolved Oxygen (mg/L)	--	2.74r	9.89r	5.55r	8.03r	2.85r	10.11r	0.86r
pH	--	5.72	7.30	7.39	7.65	7.82	7.60	7.16

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6TW-35**						
Sample Identification	**Groundwater**	LF6T3506GA	LF6T3506HA	LF6T3506IA	LF6T3505JA	LF6T3505KA	LF6T3506LA	LF6T3506MA
Sample Date	**Standards**	10/4/2010	4/8/2011	9/12/2011	4/17/2012	9/28/2012	3/18/2013	10/1/2013
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	2.94 FB	2.96 FJB	U	U	U	7.05 FB	4.73 FB
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	2.65	8.78	5.40	5.49	6.95	9.14	6.49
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	0.210 FB	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	0.120 F	0.390 F	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	8.82	30.7	22.2	25.1	29.6	28.9	24.2
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	14.39	42.44	27.72	30.98	36.76	45.09	35.42
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	UJ	U	U
Methane	--	2.5 F	11.0	4.8	4.6 F	6.6	7.7	2.6 J
Wet Chemistry								
DOC (mg/L)	--	9.6	5.7	1.8	2.1	1.5	1.6	1.4
Sulfate (mg/L)	250	57	52	58	54	48	45	45
Field Parameters								
ORP (mV)	--	164	78	-21	6	57	17	20
Dissolved Oxygen (mg/L)	--	4.11r	5.68r	1.8r	10.2r	2.79r	11.88r	7.17r
pH	--	6.71	7.27	7.36	7.42	7.61	7.47	7.33

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
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Sample Location	**NYS Class GA**	**LF6TW-35**							
Sample Identification	**Groundwater**	LF6T3505NA	LF6T3506OA	LF6T3505PA	LF6T3506QA	LF6TW-35_1116	LF6TW-35_1117	LF6TW-35_1018	LF6TW-35_1020
Sample Date	**Standards**	4/3/2014	9/24/2014	4/8/2015	12/3/2015	11/9/2016	11/13/2017	10/19/2018	10/1/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**								
1,1,1-Trichloroethane	5*	U	U	U	U	UJ	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	UJ	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	UJ	U	U	U
Acetone	50	U	U	U	U	UJ	U	U	U
Benzene	1	U	U	U	U	UJ	U	U	U
Bromodichloromethane	50	U	U	U	U	UJ	U	U	U
2-Butanone	50	U	U	U	U	UJ	U	U	U
Carbon disulfide	60	U	U	U	U	UJ	U	U	U
Chloroform	7	U	U	U	U	UJ	U	U	U
Chloromethane	5*	U	U	U	U	UJ	U	U	U
cis-1,2-Dichloroethene	5*	8.61	4.64	7.51	8.84	6.9 J	5.2	4.3	2.7
Methyl tert-butyl ether	10	U	U	U	U	UJ	UJ	U	U
Methylene chloride	5*	U	U	U	U	UJ	UJ	U	U
Naphthalene	10	U	U	U	U	UJ	U	U	U
Toluene	5*	U	U	U	U	UJ	U	U	0.57 J
trans-1,2-Dichloroethene	5*	U	U	0.130 F	0.130 F	UJ	U	U	U
Trichloroethene (TCE)	5*	34.1	24.5	27.6	39.8	23 J	21.0	19.0	14
Vinyl chloride	2	U	U	U	U	UJ	U	U	U
Total VOCs	--	42.71	29.14	35.24	48.77	29.9	26.2	23.3	17.27
Method RSK-175 (µg/L)									
Ethane	--	U	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	U	U	U	U
Methane	--	4.4	3.9	6.5	10	10.0	11.0	5.0	4.0 J
Wet Chemistry									
DOC (mg/L)	--	1.5	1.9	1.6	1.1	1.8 UB	1.6	1.5	1.2 UB
Sulfate (mg/L)	250	39	41	42	NA	36	45	48	47 J D
Field Parameters									
ORP (mV)	--	41	44	-17	166.4	-50	-7	-98	27
Dissolved Oxygen (mg/L)	--	1.54r	1.74r	0.00r	4.23r	1.25	0.00	2.30	0.38
pH	--	6.66	7.06	6.78	6.66	6.88	6.85	7.50	7.60

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6TW-36**						
Sample Identification	**Groundwater**	LF6T3604AA	LF6T3604AA	LF6T3605BB	LF6T3605CA	LF6T3605DA	LF6T3606EB	LF6T3606FB
Sample Date	**Standards**	4/12/2007	9/29/2008	1/5/2009	4/13/2009	6/22/2009	9/24/2009	4/21/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U		U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	0.100 F	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	91.6	47.9	46.4	46.7	58.5	47.7	57.5
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	0.490 F	U	0.950 F	1.10 F	1.50 F	1.10 F	1.40 F
Trichloroethene (TCE)	5*	290	104	232	252	250	284	246
Vinyl chloride	2	0.100 F	U	U	U	U	U	U
Total VOCs	--	382.29	151.9	279.35	299.8	310	332.8	304.9
Method RSK-175 (µg/L)								
Ethane	--	NA	U	U	U	U	U	U
Ethene	--	NA	U	U	U	U	U	U
Methane	--	NA	2.3 F	7.0	7.6	4.9 F	7.7	2.0 F
Wet Chemistry								
DOC (mg/L)	--	NA	1.2	2.8	1.3	1.7	8.9	1.9
Sulfate (mg/L)	250	NA	38	58	63	62	59	55
Field Parameters								
ORP (mV)	--	143	-10	77	40	-50	42	13
Dissolved Oxygen (mg/L)	--	8.43r	8.59r	8.01r	7.89r	5.7r	9.51r	1.11r
pH	--	6.48	7.39	7.29	7.68	7.72	7.84	7.06

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6TW-36**						
Sample Identification	**Groundwater**	LF6T3606GA	LF6T3606HA	LF6T3602IA	LF6T3602JA	LF6T3602KA	LF6T3606LA	LF6T3606MA
Sample Date	**Standards**	10/4/2010	4/8/2011	9/12/2011	4/14/2012	9/28/2012	3/18/2013	10/1/2013
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	18.7 FJB	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	59.2	47.3	41.4	36.7	40.0	47.9	27.2
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	2.00 FB	U	2.10 FB	U	3.40 FB	2.90 FB	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	1.10 F	0.950 F	U	1.20 F	1.60 F	U
Trichloroethene (TCE)	5*	132	262	250	201	263	224	196
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	193.2	329.1	294.45	237.7	307.6	276.4	223.2
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	UJ	UJ	U
Methane	--	U	5.7	6.7	2.1 F	6.7	66	0.91 F
Wet Chemistry								
DOC (mg/L)	--	3.9	5.3	1.5	1.6	0.98 F	0.51 F	1.0
Sulfate (mg/L)	250	47	46	56	51	46	37	44
Field Parameters								
ORP (mV)	--	98	-13	-117	-30	51	11	-43
Dissolved Oxygen (mg/L)	--	6.83r	5.31r	2.15r	3.56r	4.01r	10.96r	5.4r
pH	--	5.71	7.36	7.45	7.54	7.99	7.83	7.51

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6TW-36**							
Sample Identification	**Groundwater**	LF6T3605NA	LF6T3606OA	LF6T3605PA	LF6T3606QA	LF6TW-36_1116	LF6TW-36_1117	LF6TW-36_1018	LF6TW-36_1020
Sample Date	**Standards**	4/3/2014	9/24/2014	4/8/2015	12/3/2015	11/8/2016	11/13/2017	10/22/2018	10/1/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**								
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	2.4 J	U	U	U
Benzene	1	U	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	37.5	27.3	32.9	32.8	39	44	36	31
Methyl tert-butyl ether	10	U	U	U	U	U	UJ	U	U
Methylene chloride	5*	U	2.50 FB	3.4	2.10 F	U	UJ	U	U
Naphthalene	10	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U	0.47 J
trans-1,2-Dichloroethene	5*	1.20 F	U	1.80 F	1.50 F	1.5	1.5	1.3	1.5
Trichloroethene (TCE)	5*	232	226	207	209	170	200	180 D	180
Vinyl chloride	2	U	U	U	U	U	0.11 J	U	U
Total VOCs	--	270.7	255.8	245.1	245.4	212.9	246.11	217.3	212.97
Method RSK-175 (µg/L)									
Ethane	--	U	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	U	U	U	U
Methane	--	1.9	1.9	2.6	60	390	1.6 J	0.73 J	U
Wet Chemistry									
DOC (mg/L)	--	1.1	1.2	0.64 F	U	1.3	1	0.91 UB	0.60 UB
Sulfate (mg/L)	250	39	40	38	NA	26	33	27	22 J D
Field Parameters									
ORP (mV)	--	-14	9	36	6.2	84	31	-81	21
Dissolved Oxygen (mg/L)	--	9.68r	1.14r	2.87r	1.09r	1.22	0.00	1.00	0.23
pH	--	6.99	7.54	7.04	7.36	7.33	7.53	7.83	7.86

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6TW-38**						
Sample Identification	**Groundwater**	LF6T3806AA	LF6T3807AB	LF6T3807BB	LF6T3806CA	LF6T3807DA	LF6T3808EB	LF6T3808FB
Sample Date	**Standards**	4/12/2007	9/29/2008	1/5/2009	4/13/2009	6/22/2009	9/24/2009	4/21/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	32.2	28.8	38.6	26.3	32.9	34.2	42.2
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	0.320 F	U	0.220 F	U	U	U	U
Trichloroethene (TCE)	5*	95.0	24.7	131	111	112	128	114
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	127.52	53.5	169.82	137.3	144.9	162.2	156.2
Method RSK-175 (µg/L)								
Ethane	--	NA	U	U	U	U	U	U
Ethene	--	NA	U	U	U	U	U	U
Methane	--	NA	2.2 F	8.8	13	5.2	5.7	4.0 F
Wet Chemistry								
DOC (mg/L)	--	NA	1	2.7	0.54 F	0.67 F	11	1.3
Sulfate (mg/L)	250	NA	42	41	40	40	41	42
Field Parameters								
ORP (mV)	--	311	164	164	109	-6	97	87
Dissolved Oxygen (mg/L)	--	9.61r	4.72r	8.5r	6.72r	5.7r	10.05r	4.21r
pH	--	6.19	7.48	7.51	7.55	7.62	7.58	7.54

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6TW-38**						
Sample Identification	**Groundwater**	LF6T3808GA	LF6T3808HA	LF6T3805IA	LF6T3805JA	LF6T3805KA	LF6T3807LA	LF6T3807MA
Sample Date	**Standards**	10/4/2010	4/8/2011	9/12/2011	4/17/2012	9/28/2012	3/18/2013	10/1/2013
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	5.78 FJB	U	U	U	7.90 FB	6.75 FB
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	46.4	45.1	40.0	36.8	52.3	36.0	42.2 J
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	1.47 FB	U	2.01 FB	1.35 FB	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	0.380 F	U	U	U	U	U
Trichloroethene (TCE)	5*	41.1	118	105	100	111	92.8	95.8 J
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	87.5	169.26	146.47	136.8	165.31	138.05	144.75
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	UJ	UJ	U
Methane	--	U	2.1 F	U	U	3.3 F	2.4	1.0 F
Wet Chemistry								
DOC (mg/L)	--	4.5	0.92 F	0.88 F	1.2	0.63 F	0.54 F	0.80 F
Sulfate (mg/L)	250	48	42	53	41	42	39	41
Field Parameters								
ORP (mV)	--	181	80	33	54	123	51	86
Dissolved Oxygen (mg/L)	--	6.11r	8.21r	0.53r	2.29r	3.98r	10.18r	4.32r
pH	--	6.44	7.64	7.69	7.75	8.09	7.97	7.73

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6TW-38**							
Sample Identification	**Groundwater**	LF6T3806NA	LF6T3807OA	LF6T3807PA	LF6T3808QA	LF6TW-38_1116	LF6TW-38_1117	LF6TW-38_1018	LF6TW-38_1020
Sample Date	**Standards**	4/3/2014	9/24/2014	4/8/2015	12/3/2015	11/8/2016	11/13/2017	10/22/2018	10/1/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**								
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	57.8	57.6 J	45.3	46.8	39	41	29	20
Methyl tert-butyl ether	10	U	U	U	U	U	UJ	U	U
Methylene chloride	5*	U	1.05 FB	2.00 F	1.00 F	U	UJ	U	U
Naphthalene	10	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U	0.36 J
trans-1,2-Dichloroethene	5*	U	1.35 F	U	U	0.25 J	0.27 J	0.19 J	0.16 J
Trichloroethene (TCE)	5*	118	121 J	96.8	104	84	100	88 J D	83
Vinyl chloride	2	U	U	U	U	U	U	U	U
Total VOCs	--	175.8	181	144.1	151.8	123.97	141	117.19	103.52
Method RSK-175 (µg/L)									
Ethane	--	U	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	U	U	U	U
Methane	--	0.56 F	1.0 F	1.1 F	1.3 F	0.53 J	0.52 J	U	U
Wet Chemistry									
DOC (mg/L)	--	0.76 F	0.80 F	0.63 F	U	0.90 J	1	0.92 UB	0.50 UB
Sulfate (mg/L)	250	41	44	38	NA	32	38	31	22 J D
Field Parameters									
ORP (mV)	--	56	91	22	180.1	104	86	81	119
Dissolved Oxygen (mg/L)	--	9.4r	0.69r	0.00r	1.62r	1.52	0.00	2.40	0.44
pH	--	6.99	7.72	7.25	7.53	7.23	7.18	7.90	7.96

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6MW-39**						
Sample Identification	**Groundwater**	LF6M3920AB	LF6M3920BB	LF6M3920CA	LF6M3920DA	LF6M3920EB	LF6M3920FB	LF6M3920GA
Sample Date	**Standards**	9/29/2008	1/5/2009	4/15/2009	6/22/2009	9/24/2009	4/20/2010	10/4/2010
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	1.96 F	U	U
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U	U
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	0	0	0	0	1.96	0	0
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	U	U	U
Methane	--	U	U	U	U	U	U	U
Wet Chemistry								
DOC (mg/L)	--	0.68 F	2.3	0.82 F	0.88 F	0.48 F	1.4	1.8
Sulfate (mg/L)	250	34	20	17	20	44	14	15
Field Parameters								
ORP (mV)	--	-136	192	240	251	-163	73	37
Dissolved Oxygen (mg/L)	--	1.14	4.22	2.43	5.34	4.03	0.00	4.85
pH	--	6.85	6.88	6.90	6.92	7.15	7.15	6.81

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6MW-39**						
Sample Identification	**Groundwater**	LF6M3920HA	LF6M3920IA	LF6M3920JA	LF6M3920KA	LF6M3920LA	LF6M3920MA	LF6M3920NA
Sample Date	**Standards**	4/8/2011	9/12/2011	4/17/2012	9/28/2012	3/18/2013	9/30/2013	4/2/2014
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	2.55 FJB	U	U	U	6.16 FB	2.61 FB	U
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	0.350 FB	U	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U	U
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	2.55	0	0	0.350 FB	6.16	2.61	0
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	UJ	UJ	U	U
Methane	--	U	U	U	U	U	U	U
Wet Chemistry								
DOC (mg/L)	--	1.9	0.56 F	U	U	0.93 F	U	0.85 F
Sulfate (mg/L)	250	11	40	33	41	11	28	8.4
Field Parameters								
ORP (mV)	--	125	-83	-147	-122	81	40	84
Dissolved Oxygen (mg/L)	--	0.00	0.00	5.80	0.00	2.70	0.00	4.26
pH	--	7.61	7.47	7.47	7.89	7.08	7.70	6.75

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA**	**LF6MW-39**						
Sample Identification	**Groundwater**	LF6M3920OA	LF6M3920PA	LF6M3920QA	LF6MW-39_1116	LF6MW-39_1117	LF6MW-39_1018	LF6MW-39_1020
Sample Date	**Standards**	9/23/2014	4/9/2015	12/3/2015	11/7/2016	11/14/2017	10/20/2018	10/1/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**							
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U
1,1-Dichloroethene	5*	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U
Acetone	50	U	1.31 F	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U
Carbon disulfide	60	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Chloromethane	5*	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U	49
Methyl tert-butyl ether	10	U	U	U	U	UJ	U	U
Methylene chloride	5*	U	U	0.410 F	U	0.34 J	U	U
Naphthalene	10	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U	U
Vinyl chloride	2	U	U	U	U	U	U	U
Total VOCs	--	0	1.31	0.410	0	0.34	0	49
Method RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	U	U	U
Methane	--	U	U	U	0.62 J	0.56 J	U	U
Wet Chemistry								
DOC (mg/L)	--	U	0.71 F	U	0.79 J	0.78 J	1.1 UB	0.45 UB
Sulfate (mg/L)	250	24	9.3	NA	21	23	11 J	16 J D
Field Parameters								
ORP (mV)	--	21	99	-11.3	-44	-46	38	-99
Dissolved Oxygen (mg/L)	--	0.00	0.17	1.89	1.67	7.76	7.5	0.00
pH	--	7.86	6.38	7.66	7.19	7.31	7.80	7.71

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Groundwater - Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location / Sample Identification / Sample Date	NYS Class GA Groundwater Standards
Volatile Organic Compounds (VOCs)	**(µg/L)**
1,1,1-Trichloroethane	5*
1,1-Dichloroethene	5*
1,2-Dichloroethane	0.6
Acetone	50
Benzene	1
Bromodichloromethane	50
2-Butanone	50
Carbon disulfide	60
Chloroform	7
Chloromethane	5*
cis-1,2-Dichloroethene	5*
Methyl tert-butyl ether	10
Methylene chloride	5*
Naphthalene	10
Toluene	5*
trans-1,2-Dichloroethene	5*
Trichloroethene (TCE)	5*
Vinyl chloride	2
Total VOCs	--
Method RSK-175 (µg/L)	
Ethane	--
Ethene	--
Methane	--
Wet Chemistry	
DOC (mg/L)	--
Sulfate (mg/L)	250
Field Parameters	
ORP (mV)	--
Dissolved Oxygen (mg/L)	--
pH	--

Notes:

Qualifiers:

B - The result for the analyte was detected in a blank sample.

D - dilution

F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.

UB - considered artifacts of blank contamination and qualified non-detected

U - The analyte was analyzed for, but not detected. The numerical value is at or below the MDL.

UJ - estimated non detect flag due to a QC discrepancy

VOCs - Volatile Organic Compounds

DOC - Dissolved Organic Carbon

ORP - Oxidation Reduciton Potential

NA - Not Analyzed or Not Applicable

µg/L - Micrograms per liter, mg/L - milligrams per liter, mV - millivolts

Exceedance of the New York State (NYS) Groundwater Standards or Guidance Values.

♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.

- - No NYS Groundwater Standard available.

'r - The DO measurements are considered rejected. The sampling methodology at LF6 direct-push wells involves manual checkvalve purging which results in inaccurate DO readings.

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Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Surface Water - Analytical Summary Table (2009-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Surface Water Standards	LF6-SW1PM						
Sample Identification		**LF6SW01PM01EB**	**LF6SW01PM01FB**	**LF6SW01PM01HA**	**LF6SW01PM01IA**	**LF6SW01PM01KA**	**LF6SW01PM01LA**	**LF6SW01PM01MA**
Sample Date		**9/23/2009**	**4/20/2010**	**4/8/2011**	**4/17/2012**	**9/28/2012**	**3/18/2013**	**9/30/2013**
Volatile Organic Compounds (VOCs)	**(µg/L)**							
Acetone	50	2.28 F	2.14 F	3.08 FJB	3.17 F	U	12.2 B	2.59 FB
Benzene	1	U	0.130 F	0.140 F	U	U	U	U
Chlorobenzene	5*	0.130 F	0.330 F	0.320 F	0.170 F	U	U	U
Chloroform	7	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U
Total VOCs	-	2.41	2.6	3.54	3.34	U	12.2	2.59
RSK-175 (µg/L)								
Ethane	--	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	2.1 UJ	0.72 UJ	U
Methane	--	5.5	33	13	7.7	7.7	13	4.6 J
Wet Chemistry								
DOC (mg/L)	--	6.9	4.2	3.2	2.7	3.0	2.5	4.2
Sulfate (mg/L)	250	42	40	31	36	32	35	24

Notes:
Qualifiers:
B - The result for the analyte was detected in a blank sample.
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).
J - Analyte was positively identified above the MDL, but the concentration is below the RL. This replaces the F flag.
U - The analyte was analyzed for, but not detected. The numerical value is at or below the MDL.
UJ - estimated non detect flag due to a QC discrepancy
DOC - Dissolved Organic Carbon
ft - feet
TOIC - Top of inside casing
µg/L - Micrograms per liter
mg/L - Milligrams per liter
NYS - New York State
- Exceedance of the NYS Groundwater Standards or Guidance Values.
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

Appendix A-3 Site SD052-04 Landfill 6 TCE Site
Surface Water - Analytical Summary Table (2009-202(
Griffiss Air Force Base, New York

Sample Location	NYS Surface Water Standards	LF6-SW1PM							
Sample Identification		**LF6SW01PM01NA**	**LF6SW01PM01OA**	**LF6SW01PM01PA**	**LF6SW01PM01QA**	**LF6-SW1PM_1116**	**LF6-SW1PM_1117**	**LF6-SW1PM_1018**	**LF6-SW1PM_1020**
Sample Date		**4/3/2014**	**9/23/2014**	**4/7/2015**	**12/3/2015**	**11/7/2016**	**11/14/2017**	**10/20/2018**	**10/1/2020**
Volatile Organic Compounds (VOCs)	**(µg/L)**								
Acetone	50	U	U	3.65 F	1.24 F	U	2.9 UB	3.0 UB	U
Benzene	1	U	U	U	0.250 F	U	U	U	U
Chlorobenzene	5*	U	U	U	0.390 F	U	U	U	U
Chloroform	7	U	U	U	0.150 F	U	0.28 UB	U	U
Toluene	5*	U	U	0.130 F	U	U	U	U	U
Total VOCs	-	0	0	3.78	2.03	0	0	0	0
RSK-175 (µg/L)									
Ethane	--	U	U	U	U	U	U	UJ	U
Ethene	--	U	U	U	U	U	U	UJ	U
Methane	--	12	16	20	43	48	37	51 J	20
Wet Chemistry									
DOC (mg/L)	--	5.5	6.5	5.9	1.2	2.8	2.7	2.4	2.1 UB
Sulfate (mg/L)	250	26	18	25	NA	38	32	40	25 J D

APPENDIX A-4 SD052-05 BUILDING 817/WSA ANALYTICAL SUMMARY TABLES

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Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (August 2022)
Griffiss Air Force Base, New York

Location ID:		817MW-2	817MW-3	WSAMW-9	WSAMW-16		WSAVMW-17	WSAMW-18	WSAMW-19	WSAMW-21	WSAMW-23
Field Sample ID:		B817-MW-002-0822	B817-MW-003-0822	WSA-MW9-0822	WSA-MW16-0822	WSA-MW16-0822-A	WSA-VMW17-0822	WSA-MW18-0822	WSA-MW19-0822	WSA-MW21-0822	WSA-MW23-0822
Sample Date:		8/25/2022	8/25/2022	8/25/2022	8/25/2022	8/25/2022	8/25/2022	8/25/2022	8/25/2022	8/25/2022	8/25/2022
Sample Type:		Normal	Normal	Normal	Normal	Field Duplicate	Normal	Normal	Normal	Normal	Normal
Volatile organic compounds (µg/L)	**NYSDEC AWQ S/GV**										
1,1,1,2-Tetrachloroethane	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1,1-Trichloroethane	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2,2-Tetrachloroethane	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2-Trichloroethane	1	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethane	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethene	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloropropene	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2,3-Trichlorobenzene	5	1.00 U	1.00 U	1.00 UJ	1.00 UJ	1.00 UJ	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,2,3-Trichloropropane	0.04	1.00 U	1.00 U	1.00 UJ	1.00 UJ	1.00 UJ	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,2,4-Trichlorobenzene	5	1.00 U	1.00 U	1.00 UJ	1.00 UJ	1.00 UJ	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,2,4-Trimethylbenzene	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dibromo-3-chloropropane	0.04	2.00 U	2.00 U	2.00 UJ	2.00 UJ	2.00 UJ	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
1,2-Dibromoethane	0.0006	1.00 U	1.00 U	1.00 UJ	1.00 UJ	1.00 UJ	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,2-Dichlorobenzene	3	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloroethane	0.6	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloroethene	NC	**5**	**7.9**	1.00 UJ	**47.7 J**	**50.9 J**	**35.7**	**3.1**	**49.1**	**1.70 J**	1.00 U
1,2-Dichloropropane	1	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,3,5-Trimethylbenzene	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,3-Dichlorobenzene	3	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,3-Dichloropropane	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,4-Dichlorobenzene	3	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2,2-Dichloropropane	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2-Butanone	50	3.50 U	3.50 U	3.50 UJ	3.50 UJ	3.50 UJ	3.50 U	3.50 U	3.50 U	3.50 U	3.50 U
2-Chlorotoluene	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2-Hexanone	50	5.00 U	5.00 U	5.00 UJ	5.00 UJ	5.00 UJ	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4-Chlorotoluene	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
4-Methyl-2-pentanone	NC	2.00 U	2.00 U	2.00 UJ	2.00 UJ	2.00 UJ	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Acetone	50	20.0 U	20.0 U	20.0 UJ	20.0 UJ	20.0 UJ	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Benzene	1	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromobenzene	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromochloromethane	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromodichloromethane	50	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromoform	50	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromomethane	5	4.00 U	4.00 U	4.00 UJ	4.00 UJ	4.00 UJ	4.00 U	4.00 U	4.00 U	4.00 U	4.00 U
Carbon disulfide	60	1.00 U	1.00 U	1.00 UJ	1.00 UJ	1.00 UJ	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Carbon Tetrachloride	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chlorobenzene	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chloroethane	5	1.00 U	1.00 U	1.00 UJ	1.00 UJ	1.00 UJ	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Chloroform	7	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chloromethane	5	1.00 U	1.00 U	1.00 UJ	1.00 UJ	1.00 UJ	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
cis-1,2-Dichloroethene	5	**5**	**5.8**	0.500 UJ	**47.7 J**	**50.9 J**	**35.3**	**3.1**	**49.1**	**1.3**	0.500 U
cis-1,3-Dichloropropene	0.4	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Cumene	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Dibromochloromethane	50	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Dibromomethane	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Dichlorodifluoromethane	5	1.00 U	1.00 U	1.00 UJ	1.00 UJ	1.00 UJ	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Ethylbenzene	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Hexachlorobutadiene	0.5	1.00 U	1.00 U	1.00 UJ	1.00 UJ	1.00 UJ	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
m,p-Xylene	5	1.00 U	1.00 U	1.00 UJ	1.00 UJ	1.00 UJ	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Methyl tert-butyl ether	10	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Methylene chloride	5	4.00 U	4.00 U	4.00 UJ	4.00 UJ	4.00 UJ	4.00 U	4.00 U	4.00 U	4.00 U	4.00 U
Naphthalene	10	2.00 U	2.00 U	2.00 UJ	2.00 UJ	2.00 UJ	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
n-Butylbenzene	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
n-Propylbenzene	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
o-Xylene	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
p-Cymene (p-Isopropyltoluene)	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
sec-Butylbenzene	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Styrene	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
tert-Butylbenzene	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Tetrachloroethene	5	**0.340 J**	0.500 U	0.500 UJ	**7.70 J**	**8.40 J**	0.500 U	**12.5**	0.500 U	0.500 U	0.500 U
Toluene	5	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
trans-1,2-Dichloroethene	5	0.500 U	**2.2**	0.500 UJ	0.500 UJ	0.500 UJ	**0.380 J**	0.500 U	0.500 U	**0.440 J**	0.500 U
trans-1,3-Dichloropropene	0.4	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Trichloroethene	5	**1.7**	**2.4**	0.500 UJ	**23.9 J**	**23.9 J**	0.500 U	**20.3**	**5.3**	0.500 U	0.500 U
Trichlorofluoromethane	5	1.00 U	1.00 U	1.00 UJ	1.00 UJ	1.00 UJ	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Vinyl acetate	NC	5.00 U	5.00 U	5.00 UJ	5.00 UJ	5.00 UJ	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Vinyl chloride	2	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	**14.7**	0.500 U	0.500 U	0.500 U	0.500 U
Xylenes, Total	NC	1.50 U	1.50 U	1.50 UJ	1.50 UJ	1.50 UJ	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (August 2022)
Griffiss Air Force Base, New York

Location ID:		**817MW-2**	**817MW-3**	**WSAMW-9**	**WSAMW-16**		**WSAVMW-17**	**WSAMW-18**	**WSAMW-19**	**WSAMW-21**	**WSAMW-23**
Field Sample ID:		**B817-MW-002-0822**	**B817-MW-003-0822**	**WSA-MW9-0822**	**WSA-MW16-0822**	**WSA-MW16-0822-A**	**WSA-VMW17-0822**	**WSA-MW18-0822**	**WSA-MW19-0822**	**WSA-MW21-0822**	**WSA-MW23-0822**
Sample Date:		**8/25/2022**	**8/25/2022**	**8/25/2022**	**8/25/2022**	**8/25/2022**	**8/25/2022**	**8/25/2022**	**8/25/2022**	**8/25/2022**	**8/25/2022**
Sample Type:		**Normal**	**Normal**	**Normal**	**Normal**	**Field Duplicate**	**Normal**	**Normal**	**Normal**	**Normal**	**Normal**
Dissolved Gases (µg/L)											
Ethane	NC	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethene	NC	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.7**	0.5 U	0.5 U	0.5 U	0.5 U
Methane	NC	**8,740**	**5,470**	**3,900**	**12,000**	**10,100**	**10,300**	**9**	**291**	**3,930**	**1.5**
Organic Carbon (µg/L)											
Dissolved Organic Carbon	NC	**1,100**	**790 J**	**1,500**	**1,000**	**1,100**	**860 J**	**960 J**	**750 J**	**450 J**	**590 J**
Total Organic Carbon	NC	**820 J**	1,100 U	**1,200 J**	**830 J**	**840 J**	**730 J**	1,000 U	**690 J**	1,000 U	1,000 U
Anions (µg/L)	**NYSDEC AWQ S/GV**										
Sulfate	250,000	1,000 U	**3,500**	**6,700**	1,000 U	1,000 U	**660 J**	**4,000**	**4,000**	1,000 U	**4,600**
Field Parameters											
ORP (mV)	---	14	-90	-63	-105		-54	-31	-26	-145	3
DO (mg/L)	---	0.4	0.5	0.37	0.34		0.17	2.22	0.56	0.76	0.89
pH (SU)	---	5.82	6.02	6.43	6.3		6.55	6.43	6.75	6.7	6.89

Notes:
NC = no criteria
ORP (mV) = oxidation reduction potential (millivolts)
DO (mg/L) = dissolved oxygen (millligrams per liter)
pH (SU) = potential of hydrogen (standard units)
J = estimated value
U = not detected; reported to limit of detection
UJ = The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998); Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	LAWMW-9												
Sample Identification	Groundwater	LAWM0912AA	LAWM0912AB	LAWM0912EB	LAWM0912FB	LAWM0912GA	LAWM0912IA	LAWM0912KA	LAWM0912MA	LAWM0912OA	LAWM0912QA	LAWMW-9_1116	LAW-MW9_1117	LAW-MW9_1018
Sample Date	Standards	11/20/2006	9/23/2008	9/18/2009	4/14/2010	9/29/2010	9/9/2011	9/26/2012	9/27/2013	9/26/2014	12/3/2015	11/14/2016	11/1/2017	10/30/2018
Volatile Organic Compounds (VOCs)	**(µg/L)**													
1,1,1-Trichloroethane	5*	0.170 F	U	0.140 F	0.120 F	0.140 F	U	U	U	U	U	U	U	UJ
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U	U	UJ
Acetone	50	U	U	1.16 F	1.34 F	U	U	U	3.76 FB	U	U	U	5.9 UB	UJ
Chlorobenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U	UJ
Chloroform	7	U	U	U	U	U	U	U	U	U	U	U	U	UJ
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U	U	0.150 F	U	U	UJ
Hexachlorobutadiene	0.5	U	U	U	U	U	U	U	U	U	U	U	U	UJ
Methyl tert-butyl ether	10	U	U	U	U	U	U	U	U	U	U	U	U	UJ
Methylene chloride	5*	U	U	U	U	U	U	0.170 F	U	U	U	U	U	UJ
Naphthalene	10	U	U	U	U	U	U	U	U	U	U	U	U	UJ
Tetrachloroethene (PCE)	5*	0.220 F	U	0.240 F	0.240 F	0.310 F	0.360 F	0.300 F	0.330 F	0.330 F	0.290 F	0.26 J	0.25J	UJ
Toluene	5*	U	U	U	U	U	U	U	U	U	U	U	U	UJ
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U	U	U	U	U	UJ
Trichloroethene (TCE)	5*	5.01	5.43	6.16	4.79	6.39	5.03	4.96	5.16	4.18	3.83	3.8	2.7	1.9 J
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	U	U	U	UJ
Total VOCs	-	5.4	5.43	7.7	6.49	6.84	5.36	5.43	9.25	4.51	4.27	4.06	2.95	1.9
Method RSK-175 (µg/L)														
Ethane	--	U	U	U	U	U	U	U	U	U	U	U	U	UJ
Ethene	--	U	U	U	U	U	UJ	UJ	U	U	U	U	U	UJ
Methane	--	U	U	2.0 F	11	4.0 F	2.3 F	9.0	0.70 F	1.9	31	4.5 J	11.0	2.6 J
Wet Chemistry														
DOC (mg/L)	--	1.7	0.88 F	1.7	0.44 F	7.2	1.0	0.53 F	0.51 F	U	0.97 F	0.80 J	1.1	0.91 UB
Sulfate (mg/L)	250	9.1	8.5	7.6	5	7.4	8.7	8.2	8.7	8.7	NA	5.9	7.2	7.6
Field Parameters														
ORP (mV)	--	336	126	131	147	76	185	202	92	-4	165.6	-16	170	35
Dissolved Oxygen (mg/L)	--	3.93	7.84	4.12	0.00	5.69	0.94	0.89	0.00	0.00	1.09	1.30	0.92	3.09
pH	--	7.89	7.67	6.78	7.58	7.11	7.36	8.01	7.45	7.52	7.12	7.34	6.93	7.02

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	WSAMW-8													
Sample Identification	Groundwater	WSAM0809AA	WSAM0809AB		WSAM0809EB	WSAM0809FB	WSAM0809GA	WSAM0809IA	WSAM0809KA	WSAM0809MA	WSAM0809OA	WSAM0809QA	WSAMW-8_1116	WSAMW-8_1017	WSAMW-8_1018
Sample Date	Standards	11/20/2006	9/23/2008		9/18/2009	4/15/2010	10/29/2010	9/8/2011	9/26/2012	9/26/2013	9/26/2014	12/2/2015	11/14/2016	10/31/2017	10/25/2018
Volatile Organic Compounds (VOCs)	**(µg/L)**														
1,1,1-Trichloroethane	5*	U	U	Monitoring well not sampled, annual sampling frequency.	U	U	U	U	U	U	U	U	UJ	U	U
2-Butanone	50	U	U		U	U	U	U	U	U	U	U	UJ	U	U
Acetone	50	U	U		U	1.52 F	U	2.83 FB	U	8.35 FB	U	U	UJ	4.7 UB	6.2 J
Chlorobenzene	5*	U	U		U	U	U	U	U	U	U	U	UJ	U	U
Chloroform	7	0.670	0.290 F		0.260 F	0.160 F	0.160 F	0.380 F	U	0.110 F	0.120 F	U	UJ	U	U
cis-1,2-Dichloroethene	5*	U	U		U	U	U	U	U	U	U	U	UJ	U	U
Hexachlorobutadiene	0.5	U	U		U	U	U	U	U	U	U	U	UJ	U	U
Methyl tert-butyl ether	10	U	U		U	U	U	U	U	U	U	U	UJ	U	U
Methylene chloride	5*	U	U		U	U	U	U	U	U	U	U	UJ	U	U
Naphthalene	10	U	U		U	U	U	U	U	U	U	U	0.42 J	U	U
Tetrachloroethene (PCE)	5*	U	U		U	U	0.240 F	0.150 F	0.110 F	U	U	U	UJ	U	U
Toluene	5*	U	U		U	U	U	U	U	U	U	U	UJ	U	U
trans-1,2-Dichloroethene	5*	U	U		U	U	U	U	U	U	U	U	UJ	U	U
Trichloroethene (TCE)	5*	1.73	1.08		1.21	3.55	6.54	1.82	3.31	1.26	1.58 J	3.31	3.2 J	1.2 J	0.70 J
Vinyl chloride	2	U	U		U	U	U	U	U	U	U	U	UJ	U	U
Total VOCs	-	2.4	1.37		1.47	5.23	6.94	5.18	3.42	9.72	1.75	3.31	3.62	1.2	6.9
Method RSK-175 (µg/L)															
Ethane	--	U	U		U	U	U	U	U	U	U	U	U	U	U
Ethene	--	U	U		U	U	U	UJ	UJ	U	U	U	U	U	U
Methane	--	U	U		U	U	U	U	U	U	U	U	U	U	U
Wet Chemistry															
DOC (mg/L)	--	3.7	1.1		1.2	0.43 F	1.3 J	0.63 F	U	U	0.60 F	0.64 F	1.2	0.79 J	0.67 UB
Sulfate (mg/L)	250	5.6	5.2		4.6	5.1	5.2	4.3	4.2	3.7	3.2	NA	3.3 J	3.4 J	3.9 J
Field Parameters															
ORP (mV)	--	120	339		182	109	211	186	203	84	179	179.8	171	204	58
Dissolved Oxygen (mg/L)	--	7.53	8.83		9.08	4.26	5.31	6.71	5.01	5.40	2.49	6.21	3.29	7.69	16.38
pH	--	7.74	5.82		6.46	7.64	7.14	7.46	7.60	7.57	7.14	7.49	6.57	6.70	7.99

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	WSAMW-9										
Sample Identification	Groundwater	WSAM0906AA	WSAM0906AB	WSAM0906BB	WSAM0906CA	WSAM0906DA	WSAM0906EB	WSAM0906FB	WSAM0906GA	WSAM0906HA	WSAM0909IA	WSAM0909JA
Sample Date	Standards	11/20/2006	9/23/2008	12/31/2008	4/8/2009	6/15/2009	9/18/2009	4/14/2010	10/1/2010	4/7/2011	9/8/2011	4/13/2012
Volatile Organic Compounds (VOCs)	**(µg/L)**											
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	1.68 F	1.43 F	U	4.00 FB	U	U
Chlorobenzene	5*	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	0.5	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U	U	U	U	U	U
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	-	0	0	0	0	0	1.68	1.43	0	4	0	0
Method RSK-175 (µg/L)												
Ethane	--	U	U	U	U	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	U	U	U	U	U	UJ	U
Methane	--	U	3.3 F	3.6 F	1.5 F	U	1.7 F	U	U	U	3.6 F	U
Wet Chemistry												
DOC (mg/L)	--	1.1	0.92 F	2.6	8.3	1.1	16	U	2.0	1.4	1.0	U
Sulfate (mg/L)	250	22	20	26	20	19	18	19	44	16	37	17
Field Parameters												
ORP (mV)	--	123	26	220	213	126	86	117	72	139	-93	152
Dissolved Oxygen (mg/L)	--	3.80	8.80	4.60	1.75	9.07	5.09	0.00	0.04	0.00	0.00	0.00
pH	--	7.31	7.60	8.98	7.14	7.99	7.09	7.68	6.85	7.91	7.42	7.27

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	WSAMW-9										
Sample Identification	Groundwater	WSAM0909KA	WSAM0909LA	WSAM0909MA	WSAM0909NA	WSAM0909OA	WSAM0909PA	WSAM0909QA	WSAMW-9_1116	WSAMW-9-1117	WSAMW-9-1018	WSAMW-9-0920
Sample Date	Standards	9/27/2012	3/15/2013	9/27/2013	4/1/2014	9/26/2014	3/31/2015	12/3/2015	11/14/2016	11/2/2017	10/30/2018	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**											
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	4.02 F	4.70 FB	3.19 FB	U	U	1.69 F	U	U	U	U	U
Chlorobenzene	5*	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U	0.150 F	U	U	U	U
Hexachlorobutadiene	0.5	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5*	0.600 F	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	U	U	U	U	0.17 J
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U	U	U	U	U	U	U	U	U	U
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	-	4.62	4.70	3.19	0	0	1.69	0.150	0	0	0	0.17
Method RSK-175 (µg/L)												
Ethane	--	U	U	U	U	U	U	U	U	U	U	U
Ethene	--	UJ	U	U	U	U	U	U	U	U	U	U
Methane	--	U	U	0.88 F	1.0 F	1.6 F	1.5 F	0.92 F	1.9 J	1.1 J	57	5,300
Wet Chemistry												
DOC (mg/L)	--	U	U	U	U	U	0.72 F	U	0.90 J	2.0	9.2	0.66 J
Sulfate (mg/L)	250	17	20	17	17	17	22	NA	17	25	7.6	5.2 UB
Field Parameters												
ORP (mV)	--	163	4	-11	48	-16	82	94.0	-35	171	-213	-26
Dissolved Oxygen (mg/L)	--	0.00	0.00	0.00	0.00	0.00	0.00	0.87	1.26	0.00	1.28	0.64
pH	--	7.80	7.99	7.54	6.86	7.20	6.99	7.21	7.44	10.38	7.27	7.28

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	WSA-MW16										
Sample Identification	**Groundwater**	**WSAM1615AA**	**WSAM1615AB**	**WSAM1615BB**	**WSAM1615CA**	**WSAM1615DA**	**WSAM1615EB**	**WSAM1615FB**	**WSAM1615GA**	**WSAM1615HA**	**WSAM1615IA**	**WSAM1615JA**
Sample Date	**Standards**	**11/20/2006**	**9/23/2008**	**12/31/2008**	**4/8/2009**	**6/15/2009**	**9/18/2009**	**4/14/2010**	**9/29/2010**	**4/7/2011**	**9/8/2011**	**4/13/2012**
Volatile Organic Compounds (VOCs)	**(µg/L)**											
1,1,1-Trichloroethane	5*	0.320 F	0.260 F	0.240 F	0.330 F	0.280 F	0.260 F	0.280 F	0.650 F♦	0.450 F	0.500 F	0.260 F
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	1.61 F	U	1.45 F♦	4.12 FB	U	U
Chlorobenzene	5*	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	0.110 F	U	0.120 F	0.110 F	U	U
cis-1,2-Dichloroethene	5*	1.10 F	0.790 F	1.16 F	0.600 F	0.650 F	1.51	0.590 F	0.240 F♦	U	0.190 F♦	0.380 F
Hexachlorobutadiene	0.5	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	0.460 F	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	40.3	39.0	30.9	30.1	35.5	39.6	30.4	48.7 ♦	36.4	42.6 ♦	26.7
Toluene	5*	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	0.110 F	0.130 F	U	0.160 F	U	U	U	U
Trichloroethene (TCE)	5*	48.8	43.0	34.8	33.6	34.8	41.1	34.7	53 ♦	38.7	35.4 ♦	22.9
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	-	90.98	83.05	67.1	64.74	71.36	84.19	66.13	104.16	79.78	78.69	50.24
Method RSK-175 (µg/L)												
Ethane	--	U	U	U	U	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	U	U	U	U	U	UJ	U
Methane	--	U	U	U	U	U	U	U	U	U	U	U
Wet Chemistry												
DOC (mg/L)	--	1.1	0.89 F	0.82 F	0.68 F	0.56 F	1.0	0.81 F	1.7 J	0.97 F	U	U
Sulfate (mg/L)	250	11	7.8	10	12	8.8	7.0	9.6	10 ♦	9.1	6.8 ♦	7.0
Field Parameters												
ORP (mV)	--	365	322	252	175	203	159	101	223	111	202	129
Dissolved Oxygen (mg/L)	--	6.91	7.87	9.03	8.20	7.57	6.76	4.17	3.56	6.14	3.32	5.60
pH	--	7.75	6.16	6.14	7.01	5.49	6.65	7.73	6.98	7.48	7.20	6.99

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	WSA-MW16										
Sample Identification	Groundwater	WSAM1615KA	WSAM1615LA	WSAM1615MA	WSAM1615NA	WSAM1615OA	WSAM1615PA	WSAM1615QA	WSAMW-16_1116	WSAMA-16_1017	WSAMA-16_1018	WSAMA-16_0920
Sample Date	Standards	9/26/2012	3/13/2013	9/27/2013	3/31/2014	9/25/2014	3/30/2015	12/2/2015	11/14/2016	11/2/2017	10/25/2018	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**											
1,1,1-Trichloroethane	5*	0.250 F	0.320 F	0.620 F	0.300 F♦	0.340 F	0.110 F	0.110 F	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	U	15 B	4.04 FB	U	U	1.48 F	U	U	U	5.4 J	U
Chlorobenzene	5*	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	0.610 F	0.170 F	U	0.200 F♦	0.450 F	0.190 F	0.260 F	0.22 J	1.9	46	27
Hexachlorobutadiene	0.5	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5*	0.180 F ♦	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	40.3	32.6	50.9	35.0 ♦	53.2	33.7	33.4	36.0	35.0	5.2 ♦	7.9
Toluene	5*	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U	U	U	0.22 J ♦
Trichloroethene (TCE)	5*	29.4	34.0	48.5	30.0 ♦	40.4	27.3	25.9	28.0	23.0	2.9 ♦	10
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	-	70.73	82.09	104.06	65.5	94.39	62.78	59.67	64.22	59.9	58.6	45.1
Method RSK-175 (µg/L)												
Ethane	--	U	U	U	U	U	U	U	U	1.4 J	UJ	U
Ethene	--	UJ	U	U	U	U	U	U	U	0.66 J	UJ	U
Methane	--	UM	U	U	U	U	270	U	U	160	6,400 J D ♦	2,300 ♦
Wet Chemistry												
DOC (mg/L)	--	U	U	U	0.55 F♦	U	1.2	1.1 ♦	0.75 UB♦	15	120	0.61 J
Sulfate (mg/L)	250	8.1 ♦	9.5	5.8	8.0	6.6	6.7	NA	6.2	2.0 J	0.51 UB ♦	2.9 UB
Field Parameters												
ORP (mV)	--	210	104	56	95	149	61	57.6	130	-57	-250	-58
Dissolved Oxygen (mg/L)	--	4.35	6.39	2.20	6.41	0.62	4.03	4.15	3.00	4.23	0.96	0.00
pH	--	7.67	7.31	7.21	6.52	7.29	7.46	7.06	7.30	7.03	7.74	6.71

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	WSAVMW-17										
Sample Identification	Groundwater	WSAVM1713AA	WSAVM1722AB13A	WSAM1722BB	WSAM1722CA	WSAM1722DA	WSAM1722EB	WSAM1722FB	WSAM1722GA	WSAM1722HA	WSAM1722IA	WSA1722JA
Sample Date	Standards	11/20/2006	9/23/2008	12/31/2008	4/8/2009	6/15/2009	9/18/2009	4/14/2010	9/29/2010	4/7/2011	9/9/2011	4/13/2012
Volatile Organic Compounds (VOCs)	**(µg/L)**											
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	1.48 F	1.16 F	1.66 F	3.35 FB	U	U
Chlorobenzene	5*	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	0.180 F	U	0.120 F	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U	0.440 F	0.590 F	0.280 F	0.320 F	0.130 F
Hexachlorobutadiene	0.5	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	12.6	11.5	10.5	9.19	10.7	12.3	11.6	14.7	10.2	12.8	10.8
Toluene	5*	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	24.0	17.2	18.3	15.4	15.8	19.8	17.4	21.9	14.0	17.8	12.1
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	-	36.78	28.7	28.92	24.59	26.5	33.58	30.6	38.85	27.83	30.92	23.03
Method RSK-175 (µg/L)												
Ethane	--	U	U	U	U	U	U	U	U	U	U	U
Ethene	--	U	U	U	U	U	U	U	U	U	UJ	U
Methane	--	U	U	U	U	U	U	U	U	U	U	U
Wet Chemistry												
DOC (mg/L)	--	2.9	1.2	0.92 F	0.76 F	0.79 F	0.96 F	0.58 F	11	1.9	1.1	0.53 F
Sulfate (mg/L)	250	9.3	6.5	6.4	6.1	5.7	6.4	5.4	6.3	4.9	5.8	4.7
Field Parameters												
ORP (mV)	--	131	128	239	187	340	353	168	120	157	163	236
Dissolved Oxygen (mg/L)	--	7.15	9.75	6.53	6.58	6.98	7.42	4.41	7.35	3.26	3.17	5.12
pH	--	7.36	6.81	5.68	6.96	6.15	6.46	6.88	6.65	7.11	6.57	6.06

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	WSAVMW-17										
Sample Identification	Groundwater	WSA1722KA	WSAM1722LA	WSAM1722MA	WSAM1722NA	WSAM1722OA	WSAM1722PA	WSAM1722QA	WSAVMW-17_1116	WSAVMW-17_1117	WSAVMW-17_1018	WSAVMW-17_0920
Sample Date	Standards	9/26/2012	3/15/2013	9/27/2013	4/1/2014	9/26/2014	3/31/2015	12/4/2015	11/14/2016	11/1/2017	10/30/2018	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**											
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	4.5 J	U
Acetone	50	U	5.58 FB	1.75 FB	U	U	1.66 F	U	U	U	10	U
Chlorobenzene	5*	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	0.180 F	0.130 F	0.130 F	U	U	U	U	U	5.1 J	50	42
Hexachlorobutadiene	0.5	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5*	0.170 F	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	13.4	8.85	12.8	9.06	14.2	10.7	11.7	10	7.3 J	0.41 J	0.26 J
Toluene	5*	U	U	U	U	U	U	U	U	U	U	0.28 J
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	17.3	12.6	13.7	12.5	15.7	11.8	13.3	12.0	7.9 J	0.46 J	0.39 J
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	0.26 J	U
Total VOCs	-	31.05	27.16	28.38	21.56	29.9	24.16	25	22	20.3	65.63	42.93
Method RSK-175 (µg/L)												
Ethane	--	U	U	U	U	U	U	U	U	4.1 J	U	U
Ethene	--	UJ	U	U	U	U	U	U	U	1.1 J	U	U
Methane	--	U	U	U	U	U	U	U	U	280	7,900	15,000
Wet Chemistry												
DOC (mg/L)	--	0.63 F	0.61 F	0.72 F	0.71 F	U	0.87 F	1.3	1	250	48	0.84 J
Sulfate (mg/L)	250	5.7	5.6	5.5	6.6	5.9	6.2	NA	5.1	0.82 J	0.94 J	1.7 UB
Field Parameters												
ORP (mV)	--	240	94	128	113	93	95	176.9	59	NS	-161	-65
Dissolved Oxygen (mg/L)	--	4.21	7.46	3.04	5.23	6.46	2.83	4.99	5.02	NS	0.87	0.12
pH	--	7.07	7.06	6.78	5.84	6.79	6.72	6.18	6.71	NS	6.47	6.70

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	WSAMW-18										
Sample Identification	Groundwater	WSAMW-18	WSAM1814BB	WSAM1814AB	WSAM1814BB	WSAM1814CA	WSAM1814DA	WSAM1814EB	WSAM1814FB	WSAM1814GA	WSAM1814HA	WSAM1814IA
Sample Date	Standards	10/24/2006	2/21/2007	9/23/2008	12/31/2008	4/8/2009	6/15/2009	9/18/2009	4/15/2010	9/29/2010	4/7/2011	9/8/2011
Volatile Organic Compounds (VOCs)	**(µg/L)**											
1,1,1-Trichloroethane	5*	U	U	0.310 F	0.240 F	U	0.150 F	U	0.250 F	0.380 F	0.230 F	0.340 F
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	U	U	U	U	4.19 FB	U
Chlorobenzene	5*	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	U	U	0.160 F	U	U	U	U	0.110 F	0.170 F	U	U
cis-1,2-Dichloroethene	5*	U	U	0.310 F	0.620 F	0.600 F	0.910 F	0.720 F	0.410 F	0.620 F	0.140 F	0.310 F
Hexachlorobutadiene	0.5	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	0.54 F	0.525 F	U	U	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	53 J	37.3	39.5	38.8	31.8	36.2	40.8	39.3	51.3	40.1	53.1
Toluene	5*	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	68 J	49.1	43.6	48.7	37.5	36.3	44.4	42.1	58.4	45.5	55.7
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	-	121.54	86.925	83.88	88.36	69.9	73.56	85.92	82.17	110.87	90.16	109.45
Method RSK-175 (µg/L)												
Ethane	--	NA	NA	U	U	U	U	U	U	U	U	U
Ethene	--	NA	NA	U	U	U	U	U	U	U	U	UJ
Methane	--	NA	NA	U	U	U	U	U	U	U	U	U
Wet Chemistry												
DOC (mg/L)	--	NA	NA	1.3	0.81 F	0.48 F	0.42 F	0.98 F	0.89 F	0.96 F	0.71 F	1.4
Sulfate (mg/L)	250	NA	NA	7.3	13	11	7.8	7.0	10	9.9	9.3	6.3
Field Parameters												
ORP (mV)	--	181	360	378	287	190	176	158	79	211	63	188
Dissolved Oxygen (mg/L)	--	6.1	4.21	6.80	7.48	7.68	5.80	6.80	2.65	3.54	4.82	3.50
pH	--	7.40	6.93	6.05	6.82	6.76	5.79	6.75	7.91	6.90	7.38	7.34

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	WSAMW-18											
Sample Identification	Groundwater	WSAM1814JA	WSAM1814KA	WSAM1814LA	WSAM1814MA	WSAM1814NA	WSAM1814OA	WSAM1814PA	WSAM1814QA	WSAMW-18_1116	WSA-MW18_1117	WSA-MW18_1018	WSA-MW18_0920
Sample Date	Standards	4/13/2012	9/26/2012	3/14/2013	9/27/2013	3/31/2014	9/25/2014	3/30/2015	12/2/2015	11/14/2016	11/9/2017	10/26/2018	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**												
1,1,1-Trichloroethane	5*	0.110 F	0.150 F	0.340 F	0.330 F	0.150 F	0.160 F	U	0.120 F	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	U	U	1.68 FB	4.96 FB	U	U	2.37 F	U	U	UJ	U	U
Chlorobenzene	5*	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	U	0.110 F	U	0.130 FB	U	U	U	0.110 F	U	U	U	U
cis-1,2-Dichloroethene	5*	0.410 F	0.690 F	U	0.180 F	0.200 F	0.360 F	0.160 F	0.210 F	0.18 J	0.22 J	19	23
Hexachlorobutadiene	0.5	U	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5*	U	0.170 F	U	U	U	U	U	U	U	U	0.41 UB	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	29.5	39.7	31.4	40.9	31.6	45.2	30.6	37.5	38	23.0	29.0	13
Toluene	5*	U	U	U	U	U	U	U	U	U	U	0.38 UB	0.20 J
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	28.5	30.8	30.6	58.2	33.1	40.1	26.6	42.7	39	27.0	25.0	10
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	U	U	0.31 J
Total VOCs	-	58.52	71.62	64.02	104.7	65.05	85.82	59.73	80.64	77.18	50.22	73.00	46.51
Method RSK-175 (µg/L)													
Ethane	--	U	U	U	U	U	U	U	U	U	U	U	U
Ethene	--	U	UJ	U	U	U	U	U	U	U	U	U	U
Methane	--	U	U	U	U	U	U	U	U	U	61	3,600	10,000
Wet Chemistry													
DOC (mg/L)	--	U	U	U	U	U	U	0.71 F	0.76 F	0.63 UB	1.1 UB	2.6	0.65 J
Sulfate (mg/L)	250	8.0	9.0	12	5.8	8.4	6.3	8.0	NA	7.6	4.6 J	4.5 J	2.6 UB
Field Parameters													
ORP (mV)	--	117	209	19	91	69	129	-8	189.0	141	167	-171	-77
Dissolved Oxygen (mg/L)	--	5.91	3.44	5.69	2.20	6.45	0.00	6.23	5.23	2.02	3.23	2.28	0.00
pH	--	7.40	7.97	7.43	7.43	6.67	7.33	7.44	7.24	7.10	7.42	7.31	6.79

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	WSAMW-19										
Sample Identification	Groundwater	WSAMW-19	WSAM1918AB	WSAM1918BB	WSAM1918CA	WSAM1918DA	WSAM1918DA	WSAM1918FB	WSAM1918GA	WSAM1918HA	WSAM1918IA	WSAM1918JA
Sample Date	Standards	11/2/2006	9/23/2008	12/31/2008	4/8/2009	6/15/2009	9/18/2009	4/14/2010	9/29/2010	4/7/2011	9/8/2011	4/13/2012
Volatile Organic Compounds (VOCs)	**(µg/L)**											
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	0.190 F	0.250 F	0.210 F	0.290 F	0.280 F
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	U	1.85 F	1.62 F	3.42 FB	U	U
Chlorobenzene	5*	0.32 F	U	U	U	U	U	U	U	U	U	U
Chloroform	7	U	0.140 F	U	U	U	0.240 F	0.120 F	0.120 F	0.120 F	0.130 F	U
cis-1,2-Dichloroethene	5*	U	0.440 F	0.340 F	U	0.300 F	0.320 F	0.380 F	0.320 F	0.300 F	0.260 F	0.150 F
Hexachlorobutadiene	0.5	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	0.49 F	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	46	36.3	33.3	29.7	34.3	34.7	42.0	46.5	39.5	43.8	31.6
Toluene	5*	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	68	51.3	49.6	42.5	47.4	53.4	55.6	62.4	47.8	55.0	44.2
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	-	114.81	88.18	83.24	72.2	82.0	88.66	100.14	111.21	91.35	99.48	76.23
Method RSK-175 (µg/L)												
Ethane	--	NA	U	U	U	U	U	U	U	U	U	U
Ethene	--	NA	U	U	U	U	U	U	U	U	UJ	U
Methane	--	NA	U	U	U	U	U	U	U	U	U	U
Wet Chemistry												
DOC (mg/L)	--	NA	1.1	1	0.60 F	U	0.68 F	0.39 F	0.67 F	1.1	1.3	U
Sulfate (mg/L)	250	NA	8.6	8.2	9.3	10	9.0	8.2	9.5	9.2	9.1	8.0
Field Parameters												
ORP (mV)	--	189	310	297	158	312	311	151	99	141	212	238
Dissolved Oxygen (mg/L)	--	6.1	5.38	4.05	5.72	6.74	8.20	2.11	7.77	0.08	4.50	9.54
pH	--	7.37	6.28	7.03	7.11	6.92	7.14	7.53	7.02	7.75	7.16	6.69

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	WSAMW-19										
Sample Identification	Groundwater	WSAM1918KA	WSAM1918LA	WSAM1918MA	WSAM1918NA	WSAM1918OA	WSAM1918PA	WSAM1918QA	WSAMW-19_1116	WSAMW-19_1117	WSAMW-19_1018	WSAMW-19_0920
Sample Date	Standards	9/27/2012	3/14/2013	9/27/2013	4/1/2014	9/25/2014	3/31/2015	12/3/2015	11/14/2016	11/1/2017	10/30/2018	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**											
1,1,1-Trichloroethane	5*	0.230 F	0.190 F	0.260 F	0.270 F	0.290 F	0.210 F	0.190 F	0.16 J	0.21 J	UJ	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	UJ	U
Acetone	50	1.13 F	11.4 B	3.93 FB	U	1.06 F	1.52 F	U	U	U	3.1 UB ♦	U
Chlorobenzene	5*	U	U	U	U	U	U	U	U	U	UJ	U
Chloroform	7	U	U	U	U	0.110 F	U	U	U	U	UJ	U
cis-1,2-Dichloroethene	5*	0.190 F	0.140 F	0.110 F	U	U	U	U	U	U	20 J ♦	43
Hexachlorobutadiene	0.5	U	U	U	U	U	U	U	U	U	UJ	U
Methyl tert-butyl ether	10	U	U	U	U	U	U	U	U	U	UJ	U
Methylene chloride	5*	0.180 F	U	U	U	U	U	U	U	U	UJ	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	UJ	U
Tetrachloroethene (PCE)	5*	42.5	33.9	38.0	34.4	41.8	35.0	38.9	41 J	35.0	27 J ♦	8.3
Toluene	5*	U	U	U	U	U	U	U	U	U	UJ	0.49 J
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U	U	UJ	U
Trichloroethene (TCE)	5*	52.4	41.8	47.2	40.8	44.3	35.0	38.4	33 J	34.0	23 J ♦	30
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	UJ	U
Total VOCs	-	96.63	87.43	89.5	75.47	87.56	71.73	77.49	74.16	69.21	73.1	81.79
Method RSK-175 (µg/L)												
Ethane	--	U	U	U	U	U	U	U	U	U	U	U
Ethene	--	UJ	U	U	U	U	U	U	U	U	U	U
Methane	--	U	U	U	U	U	U	2.0	U	U	970 ♦	1,200
Wet Chemistry												
DOC (mg/L)	--	U	U	U	U	U	U	0.67 F	0.77 J ♦	0.73 J♦	0.93 UB	0.82 J
Sulfate (mg/L)	250	8.3	8.5	9.0	8.6	7.5	7.0	NA	6.2	7.6♦	5.4 J ♦	2.3 UB
Field Parameters												
ORP (mV)	--	209	39	54	68	80	44	229.0	122	196	-128	65
Dissolved Oxygen (mg/L)	--	6.34	2.42	4.22	2.39	3.52	0.82	2.82	2.77	1.98	0.99	0.36
pH	--	7.64	7.82	7.49	6.82	7.41	6.99	7.73	7.51	7.14	7.19	7.44

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	WSAMW-21										
Sample Identification	Groundwater	WSAMW-21	WSAM2124AB	WSAM2124BB	WSAM2124CA	WSAM2124DA	WSAM2124EB	WSAM2124FB	WSAM2124GA	WSAM2124HA	WSAM2124IA	WSAM2124JA
Sample Date	Standards	11/2/2006	9/23/2008	12/31/2008	4/8/2009	6/15/2009	9/18/2009	4/14/2010	10/1/2010	4/7/2011	9/8/2011	4/13/2012
Volatile Organic Compounds (VOCs)	(µg/L)											
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	2.12 F	1.75 F	U	3.08 FB	U	U
Chlorobenzene	5*	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	0.58	U	0.310 F	0.300 F	U	U	0.220 F	U	0.270 F	U	0.180 F
cis-1,2-Dichloroethene	5*	U	U	U	U	U	U	0.540 F	0.120 F	0.140 F	U	0.200 F
Hexachlorobutadiene	0.5	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	1.1	0.380 F	0.860 F	0.740 F	0.380 F	0.290 F	1.11	0.270 F	1.35	1.06	1.1
Toluene	5*	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	31	5.28	20.4	17.4	6.95	5.45	18.3	5.60	20.6	12.0	18.6
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	-	32.68	5.64	21.57	18.44	7.33	7.86	21.92	5.99	25.44	13.06	20.08
Method RSK-175 (µg/L)												
Ethane	--	NA	U	U	U	U	U	U	U	U	U	U
Ethene	--	NA	U	U	U	U	U	U	U	U	UJ	U
Methane	--	NA	6.0	U	U	U	2.0 F	U	5.1	U	6.3	U
Wet Chemistry												
DOC (mg/L)	--	NA	0.52 F	1.1	0.50 F	U	1.4	0.36 F	U	1.4	U	U
Sulfate (mg/L)	250	NA	22	7.1	6.6	19	21	9.3	19	6.5	21	9.6
Field Parameters												
ORP (mV)	--	238	85	287	255	317	307	141	232	140	107	215
Dissolved Oxygen (mg/L)	--	8.2	4.42	8.50	6.60	4.45	3.92	6.57	0.00	6.36	3.91	5.66
pH	--	7.03	7.61	6.16	6.91	6.96	7.47	6.99	6.76	7.23	7.62	6.71

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	WSAMW-21										
Sample Identification	Groundwater	WSAM2124KA	WSAM2124LA	WSAM2124MA	WSAM2124NA	WSAM2124OA	WSAM2124PA	WSAM2124QA	WSAMW-21_1116	WSAMW21_1017	WSAMW21_1018	WSAMW21_0920
Sample Date	Standards	9/27/2012	3/15/2013	9/27/2013	4/1/2014	9/26/2014	3/31/2015	12/3/2015	11/14/2016	10/31/2017	10/30/2018	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**											
1,1,1-Trichloroethane	5*	U	U	U	U	U	U	U	U	U	UJ	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	UJ	U
Acetone	50	1.06 F	8.30 FB	6.54 FB	U	U	1.35 F	U	3.1 J	U	UJ	U
Chlorobenzene	5*	U	U	U	U	U	U	U	U	U	UJ	U
Chloroform	7	U	U	U	U	U	U	U	U	U	UJ	U
cis-1,2-Dichloroethene	5*	U	0.140 F	0.240 F	0.150 F	U	0.190 F	0.220 F	0.62 J	0.35 J	0.28 J	3.2
Hexachlorobutadiene	0.5	U	U	U	U	U	U	U	U	U	UJ	U
Methyl tert-butyl ether	10	U	U	U	U	U	U	U	U	U	UJ	U
Methylene chloride	5*	0.180 F	U	U	U	U	U	U	U	U	UJ	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	UJ	U
Tetrachloroethene (PCE)	5*	0.710 F	0.610 F	0.950 F	0.850 F	0.770 F	0.810 F	0.760 F	1 J	1.1	0.79 J	U
Toluene	5*	U	U	U	U	U	U	U	U	U	UJ	0.42 J
trans-1,2-Dichloroethene	5*	U	U	U	U	U	U	U	U	U	UJ	U
Trichloroethene (TCE)	5*	10.3	10.1	11.3	9.42	10.2	8.54	9.72	13 J	10	7.6 J	1.4
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	UJ	U
Total VOCs	-	12.25	19.15	19.03	10.42	10.97	10.89	10.7	17.72	11.45	8.67	5.02
Method RSK-175 (µg/L)												
Ethane	--	U	U	U	U	U	U	U	U	U	U	U
Ethene	--	UJ	U	U	U	U	U	U	U	U	U	U
Methane	--	7	6.7	3.1 J	9.9	7.0	12	6.6	3.9 J	91	2,200	8,400
Wet Chemistry												
DOC (mg/L)	--	U	U	0.58 F	U	U	U	U	0.70 UB	1.6	4.4	0.60 UB
Sulfate (mg/L)	250	22	18	19	19	18	20	NA	13	9.5	6.5	U
Field Parameters												
ORP (mV)	--	212	73	94	10	105	45	189.2	55	82	-281	-50
Dissolved Oxygen (mg/L)	--	7.28	0.00	0.00	0.00	0.00	0.60	3.62	7.62	5.01	1.30	1.60
pH	--	7.86	7.85	7.46	7.51	7.39	7.42	7.68	7.21	7.01	7.58	7.25

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	WSAMW-23														
Sample Identification	Groundwater	WSAMW-23	WSAM2324AB		WSAM2324AB	WSAM2324FB	WSAM2324GA	WSAM2324IA	WSAM2324KA	WSAM2324MA	WSAM2324OA	WSAM2324QA	WSAMW-23_1116	WSAMW-23_1017	WSAMW-23_1018	WSAMW-23_0920
Sample Date	Standards	10/24/2006	9/23/2008		9/18/2009	4/14/2010	10/1/2010	9/8/2011	9/27/2012	9/27/2013	9/25/2014	12/3/2015	11/14/2016	10/31/2017	10/26/2018	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**															
1,1,1-Trichloroethane	5*	U	U	Monitoring well not sampled annual sampling frequency.	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U		U	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	U	U		2.65 F	1.70 F	1.38 F	U	9.69 FB	2.62 F	U	U	U	4.0 UB	5.7 J	U
Chlorobenzene	5*	U	U		U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	U	U		U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	U	U		U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	0.5	0.40 F	U		U	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	U	U		U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5*	U	U		U	U	U	U	U	U	U	U	U	U	0.50 UB	U
Naphthalene	10	U	U		U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U		U	U	U	0.150 F	U	U	U	U	U	U	U	U
Toluene	5*	U	U		U	U	U	U	U	U	U	U	U	U	0.42 UB	0.50 J
trans-1,2-Dichloroethene	5*	U	U		U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	U	U		U	U	U	U	U	U	U	U	U	U	U	U
Vinyl chloride	2	U	U		U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	-	0.4	0		2.65	1.7	1.38	0.150	9.69	2.62	0	0	0	0	5.7	0.5
Method RSK-175 (µg/L)																
Ethane	--	NA	U		U	U	U	U	U	U	U	U	U	U	U	U
Ethene	--	NA	U		U	U	U	UJ	UJ	U	U	U	U	U	U	U
Methane	--	NA	1.5 F		17	52	180	94	430	41 J	150	150	210	110	39	10
Wet Chemistry																
DOC (mg/L)	--	NA	0.45 F		0.94 F	U	U	U	U	U	U	U	0.79 UB	0.66 J	0.61 UB	0.62 J
Sulfate (mg/L)	250	NA	15		12	13	13	11	11	11	10	NA	8.8	9.6	10	5.7 UB
Field Parameters																
ORP (mV)	--	31	69		315	-31	52	-88	-35	-63	-65	182.7	70	27	-159	-18
Dissolved Oxygen (mg/L)	--	4.8	4.91		4.88	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.94	3.17	1.15	0.66
pH	--	7.74	7.93		7.78	7.85	7.32	7.85	8.15	7.70	7.74	7.86	7.61	7.2	7.58	9.81

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	817MW-1									
Sample Identification	Groundwater	B817-MW-001	817M0113BB	817M0112BB	817M0111DA	817M0111FB				817M0110JA	817M0111KA
Sample Date	Standards	10/24/2006	2/21/2007	11/24/2008	6/15/2009	4/15/2010	10/1/2010	4/7/2011	9/8/2011	4/16/2012	10/1/2012
Volatile Organic Compounds (VOCs)	**(µg/L)**										
1,1,1-Trichloroethane	5*	U	U	NA	NA	NA	Not Sampled due to Injection Residuals	Not Sampled due to Injection Residuals	Not Sampled due to Injection Residuals	NA	NA
2-Butanone	50	U	U	NA	NA	NA				NA	NA
Acetone	50	U	U	NA	NA	NA				NA	NA
Chlorobenzene	5*	U	U	NA	NA	NA				NA	NA
Chloroform	7	U	U	NA	NA	NA				NA	NA
cis-1,2-Dichloroethene	5*	U	U	NA	NA	NA				NA	NA
Hexachlorobutadiene	0.5	U	U	NA	NA	NA				NA	NA
Methyl tert-butyl ether	10	U	U	NA	NA	NA				NA	NA
Methylene chloride	5*	U	0.230 F	NA	NA	NA				NA	NA
Naphthalene	10	U	U	NA	NA	NA				NA	NA
Tetrachloroethene (PCE)	5*	0.40 F	0.680 F	NA	NA	NA				NA	NA
Toluene	5*	U	U	NA	NA	NA				NA	NA
trans-1,2-Dichloroethene	5*	U	U	NA	NA	NA				NA	NA
Trichloroethene (TCE)	5*	2.4	1.08	NA	NA	NA				NA	NA
Vinyl chloride	2	U	U	NA	NA	NA				NA	NA
Total VOCs	-	2.8	1.99	NA	NA	NA				NA	NA
Method RSK-175 (µg/L)											
Ethane	--	NA	NA	NA	NA	NA				NA	NA
Ethene	--	NA	NA	NA	NA	NA				NA	NA
Methane	--	NA	NA	NA	NA	NA				NA	NA
Wet Chemistry											
DOC (mg/L)	--	NA	NA	25	10	2.5				58	150
Sulfate (mg/L)	250	NA	NA	NA	NA	NA				NA	NA
Field Parameters											
ORP (mV)	--	NA	317	1	-81	122				-157	-99
Dissolved Oxygen (mg/L)	--	NA	10.38	5.21	5.22	3.83				0.00	7.33
pH	--	NA	7.76	6.57	6.87	7.56				6.50	6.41

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	817MW-1								
Sample Identification	Groundwater	817M0109LA	817M0115MA	817M0111NA	817M0115OA	817M0111PA	817M0116QA	817MW-1_1116	817MW-1_1117	817MW-1_1018
Sample Date	Standards	3/14/2013	9/26/2013	3/31/2014	9/25/2014	3/30/2015	12/4/2015	11/14/2016	11/1/2017	10/26/2018
Volatile Organic Compounds (VOCs)	**(µg/L)**									
1,1,1-Trichloroethane	5*	NA	U	U	U	U	U	U	U	U
2-Butanone	50	NA	U	63.3	U	U	U	U	U	U
Acetone	50	NA	1.53 FB	185	U	1.25 F	U	U	U	4.2 J
Chlorobenzene	5*	NA	U	U	U	U	U	U	U	U
Chloroform	7	NA	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	NA	2.49	4.04	2.33	2.51	3.05	2.7	2.2	1.4
Hexachlorobutadiene	0.5	NA	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	NA	U	U	U	U	U	U	U	U
Methylene chloride	5*	NA	U	U	U	U	U	U	U	0.43 UB
Naphthalene	10	NA	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	NA	1.05	1.01	0.980 F	0.700 F	0.430 F	0.39 J	0.33 J	0.45 J
Toluene	5*	NA	U	U	U	U	U	U	U	0.40 UB
trans-1,2-Dichloroethene	5*	NA	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	NA	12.0	9.97	8.82	6.39	4.56	4.9	4.6	4.9
Vinyl chloride	2	NA	U	U	U	U	U	U	U	U
Total VOCs	-	NA	17.07	250.32	12.13	10.85	8.04	7.99	7.13	10.95
Method RSK-175 (µg/L)										
Ethane	--	NA	U	U	U	U	U	U	U	U
Ethene	--	NA	U	U	U	U	U	U	U	U
Methane	--	NA	3,300	6,000	6,700	7,000	6,300	12,000	14,000	5,100
Wet Chemistry										
DOC (mg/L)	--	4.3	0.91 F	0.52 F	0.52 F	0.74 F	0.81 F	1.2	1.2	0.72 UB
Sulfate (mg/L)	250	NA	NA	NA	NA	NA	NA	4.3 J	3.6 J	4.9 J
Field Parameters										
ORP (mV)	--	-90	-124	-135	-139	-120	-80.7	-197	-30	-150
Dissolved Oxygen (mg/L)	--	0.00	0.00	0.00	3.02	0.00	0.32	0.80	0.00	1.61
pH	--	6.54	6.82	6.14	6.62	6.53	6.27	6.67	6.16	6.35

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	817MW-2									
Sample Identification	Groundwater	B817-MW-002	817M0210BB	817M0211BB	817M0210DA	817M0211FB				817M0209JA	817M0210KA
Sample Date	Standards	10/24/2006	2/21/2007	11/24/2008	6/15/2009	4/15/2010	10/1/2010	4/7/2011	9/8/2011	4/16/2012	10/1/2012
Volatile Organic Compounds (VOCs)	**(µg/L)**										
1,1,1-Trichloroethane	5*	U	U	NA	NA	NA	Not Sampled due to Injection Residuals	Not Sampled due to Injection Residuals	Not Sampled due to Injection Residuals	NA	NA
2-Butanone	50	U	U	NA	NA	NA				NA	NA
Acetone	50	U	2.13 F	NA	NA	NA				NA	NA
Chlorobenzene	5*	U	U	NA	NA	NA				NA	NA
Chloroform	7	0.49 F	0.160 F	NA	NA	NA				NA	NA
cis-1,2-Dichloroethene	5*	U	U	NA	NA	NA				NA	NA
Hexachlorobutadiene	0.5	U	U	NA	NA	NA				NA	NA
Methyl tert-butyl ether	10	U	U	NA	NA	NA				NA	NA
Methylene chloride	5*	U	0.140 F	NA	NA	NA				NA	NA
Naphthalene	10	U	U	NA	NA	NA				NA	NA
Tetrachloroethene (PCE)	5*	5.6	3.84	NA	NA	NA				NA	NA
Toluene	5*	U	0.210 F	NA	NA	NA				NA	NA
trans-1,2-Dichloroethene	5*	U	U	NA	NA	NA				NA	NA
Trichloroethene (TCE)	5*	25	5.17	NA	NA	NA				NA	NA
Vinyl chloride	2	U	U	NA	NA	NA				NA	NA
Total VOCs	-	31.09	9.31	NA	NA	NA				NA	NA
Method RSK-175 (µg/L)											
Ethane	--	NA	NA	NA	NA	NA				NA	NA
Ethene	--	NA	NA	NA	NA	NA				NA	NA
Methane	--	NA	NA	NA	NA	NA				NA	NA
Wet Chemistry											
DOC (mg/L)	--	NA	NA	88	130	2.9				320	160
Sulfate (mg/L)	250	NA	NA	NA	NA	NA				NA	NA
Field Parameters											
ORP (mV)	--	NA	277	-77	-91	-90				-167	24
Dissolved Oxygen (mg/L)	--	NA	1.91	10.26	7.63	3.13				0.00	2.06
pH	--	NA	7.74	6.37	6.19	7.22				6.25	6.38

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	817MW-2									
Sample Identification	Groundwater	817M0208LA	817M0216MA	817M0217NA	817M0216OA	817M0211PA	817M0214QA	817MW-2_1116	817MW-2_1117	817MW-2_1018	817MW-2_0920
Sample Date	Standards	3/14/2013	9/26/2013	3/31/2014	9/25/2014	3/30/2015	12/4/2015	11/14/2016	11/1/2017	10/26/2018	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**										
1,1,1-Trichloroethane	5*	NA	U	U	U	U	U	U	U	U	U
2-Butanone	50	NA	14.9 F	56.5	U	4.42 F	2.50 F	U	U	U	U
Acetone	50	NA	48.0 JB	231	14.6 F	15.8 F	9.50 F	3.6 J	12 UB	8.0 J	U
Chlorobenzene	5*	NA	U	U	U	U	U	U	U	U	U
Chloroform	7	NA	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	NA	84.1	82.2	84.2	63.4	74.2	24	19	5.6	3.1
Hexachlorobutadiene	0.5	NA	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	NA	U	U	U	U	U	U	U	U	U
Methylene chloride	5*	NA	U	U	U	0.420 FB	U	U	U	0.39 UB	U
Naphthalene	10	NA	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	NA	U	U	U	U	U	U	U	U	U
Toluene	5*	NA	U	0.220 F	U	U	0.220 F	U	U	0.41 UB	0.20 J
trans-1,2-Dichloroethene	5*	NA	U	U	U	U	U	0.71 J	0.81 J	3.5	5.8
Trichloroethene (TCE)	5*	NA	U	U	U	U	U	U	U	U	U
Vinyl chloride	2	NA	1.62	1.54 F	U	1.30 F	1.22 F	0.71 J	0.37 J	U	U
Total VOCs	-	NA	148.62	371.46	98.8	85.34	87.64	29.02	20.18	17.1	9.1
Method RSK-175 (µg/L)											
Ethane	--	NA	U	U	U	U	U	U	U	U	U
Ethene	--	NA	U	U	U	U	U	U	U	U	U
Methane	--	NA	2,800	2,500	5,100	6,700	5,500	16,000 D	12,000	7,200	9,900
Wet Chemistry											
DOC (mg/L)	--	230	180	170	150 J	150	160	66	68	3.8	0.88
Sulfate (mg/L)	250	NA	NA	NA	NA	NA	NA	0.53 J	U	0.26 UB	U
Field Parameters											
ORP (mV)	--	-100	-103	-124	-157	-100	-97.2	-210	-44	-186	-43
Dissolved Oxygen (mg/L)	--	0.00	0.78	0.00	0.00	0.00	0.16	1.02	0.00	1.10	0.45
pH	--	6.15	6.36	5.63	6.40	5.90	6.09	6.35	5.88	6.93	6.11

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	817MW-3									
Sample Identification	Groundwater	B817-MW-003	817M0309BB	817M0309BB	817M0309DA	817M0309FB		817M0309HA		817M0309JA	817M0310KA
Sample Date	Standards	10/24/2006	2/21/2007	11/24/2008	6/15/2009	4/15/2010	10/1/2010	4/7/2011	9/8/2011	4/16/2012	10/1/2012
Volatile Organic Compounds (VOCs)	**(µg/L)**										
1,1,1-Trichloroethane	5*	U	U	NA	NA	NA		NA		NA	NA
2-Butanone	50	U	U	NA	NA	NA		NA		NA	NA
Acetone	50	U	3.60 F	NA	NA	NA		NA		NA	NA
Chlorobenzene	5*	U	U	NA	NA	NA		NA		NA	NA
Chloroform	7	U	U	NA	NA	NA		NA		NA	NA
cis-1,2-Dichloroethene	5*	U	U	NA	NA	NA		NA		NA	NA
Hexachlorobutadiene	0.5	U	U	NA	NA	NA		NA		NA	NA
Methyl tert-butyl ether	10	0.28 F	U	NA	NA	NA	Not Sampled due to	NA	Not Sampled due to	NA	NA
Methylene chloride	5*	U	0.325 F	NA	NA	NA	Injection Residuals	NA	Injection Residuals	NA	NA
Naphthalene	10	U	U	NA	NA	NA		NA		NA	NA
Tetrachloroethene (PCE)	5*	13	8.78 J	NA	NA	NA		NA		NA	NA
Toluene	5*	U	U	NA	NA	NA		NA		NA	NA
trans-1,2-Dichloroethene	5*	U	U	NA	NA	NA		NA		NA	NA
Trichloroethene (TCE)	5*	21	11.1 J	NA	NA	NA		NA		NA	NA
Vinyl chloride	2	U	U	NA	NA	NA		NA		NA	NA
Total VOCs	-	34.28	20.205	NA	NA	NA		NA		NA	NA
Method RSK-175 (µg/L)											
Ethane	--	NA	NA	NA	NA	NA		NA		NA	NA
Ethene	--	NA	NA	NA	NA	NA		NA		NA	NA
Methane	--	NA	NA	NA	NA	NA		NA		NA	NA
Wet Chemistry											
DOC (mg/L)	--	NA	NA	82	5.5	6.2		19		2.1	0.91 F
Sulfate (mg/L)	250	NA	NA	NA	NA	NA		NA		NA	NA
Field Parameters											
ORP (mV)	--	NA	183	-62	-80	-87		111		-126	-90
Dissolved Oxygen (mg/L)	--	NA	2.61	7.88	7.78	3.09		6.85		0.00	2.11
pH	--	NA	7.77	6.58	6.47	7.23		5.15		6.64	7.13

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA	817MW-3									
Sample Identification	Groundwater	817M0306LA	817M0316MA	817M0319NA	817M0316OA	817M0309PA	817M0315QA	817MW-3_1116	817MW-3_1117	817MW-3_1018	817MW-3_0920
Sample Date	Standards	3/14/2013	9/26/2013	4/1/2014	9/25/2014	3/30/2015	12/4/2015	11/14/2016	11/1/2017	10/26/2018	9/30/2020
Volatile Organic Compounds (VOCs)	**(µg/L)**										
1,1,1-Trichloroethane	5*	NA	U	U	U	U	U	U	U	U	U
2-Butanone	50	NA	U	U	U	U	U	U	U	U	U
Acetone	50	NA	4.26 FB	U	U	2.88 F	U	U	4.0 UB	U	U
Chlorobenzene	5*	NA	U	U	U	U	U	U	U	U	U
Chloroform	7	NA	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	NA	6.32	4.88	3.43	3.88	7.02	7.4 J	5.8	8.4	8.9
Hexachlorobutadiene	0.5	NA	UQ	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	NA	U	U	U	U	U	U	U	U	U
Methylene chloride	5*	NA	U	U	U	U	U	U	U	0.44 UB	U
Naphthalene	10	NA	U	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	NA	3.12	2.14	2.87	1.16	0.690 F	0.49 J	0.28 J	0.25 J	U
Toluene	5*	NA	U	U	U	U	U	U	U	0.40 UB	0.38 J
trans-1,2-Dichloroethene	5*	NA	U	U	0.200 F	0.470 F	4.41	6.1 J	5.3	5.1	4.2
Trichloroethene (TCE)	5*	NA	7.53	5.74	10.8	7.08	6.08	3.1 J	2.1	1.7	1.7
Vinyl chloride	2	NA	U	U	U	U	U	U	U	U	U
Total VOCs	-	NA	21.23	12.76	17.3	15.47	18.2	17.09	13.48	15.45	15.18
Method RSK-175 (µg/L)											
Ethane	--	NA	U	U	U	U	U	U	U	U	U
Ethene	--	NA	U	U	U	U	U	U	U	U	U
Methane	--	NA	2,200	1,700	3,400	3,600	4,500	11,000	13,000	5,000	6,200
Wet Chemistry											
DOC (mg/L)	--	0.81 F	0.90 F	1.0	0.90 F	U	0.89 F	0.88 J	0.97 J	0.74 UB	0.76 J
Sulfate (mg/L)	250	NA	NA	NA	NA	NA	NA	3.2 J	3.1 J	1.6 UB	1.6 UB
Field Parameters											
ORP (mV)	--	-103	-129	-160	-140	-126	-89.8	-228	-79	-225	-90
Dissolved Oxygen (mg/L)	--	0.00	0.00	0.00	3.91	0.57	0.54	0.75	0.00	1.45	0.22
pH	--	6.97	6.98	6.95	7	6.73	6.80	7.05	6.62	6.98	6.76

Note: Data presented as in Final 2020 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base (Bhate, August 2021)

Appendix A-4 Site SD052-05 Building 817/WSA Site
Analytical Summary Table (2006-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	WSAMW-24	
Sample Identification		WSAM2416QA	
Sample Date		12/4/2015	11/14/2016
Volatile Organic Compounds (VOCs)	(µg/L)		
1,1,1-Trichloroethane	5*	U	Monitoring well not sampled due to side gradient location and historical non-detect to low detections.
2-Butanone	50	U	
Acetone	50	U	
Chlorobenzene	5*	U	
Chloroform	7	U	
cis-1,2-Dichloroethene	5*	0.180 F	
Hexachlorobutadiene	0.5	U	
Methyl tert-butyl ether	10	U	
Methylene chloride	5*	U	
Naphthalene	10	U	
Tetrachloroethene (PCE)	5*	U	
Toluene	5*	U	
trans-1,2-Dichloroethene	5*	U	
Trichloroethene (TCE)	5*	8.30	
Vinyl chloride	2	U	
Total VOCs	-	8.48	
Method RSK-175 (µg/L)			
Ethane	--	U	
Ethene	--	U	
Methane	--	3.2	
Wet Chemistry			
DOC (mg/L)	--	0.66 F	
Sulfate (mg/L)	250	NA	
Field Parameters			
ORP (mV)	--	124.0	
Dissolved Oxygen (mg/L)	--	0.19	
pH	--	7.61	

Notes:
Qualifiers:
B - The result for the analyte was detected in a blank sample.
D - dilution
F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL).

J - Analyte was positively identified above the MDL, but the concentration is below the RL. Replaces "F" flag.
UB - considered artifacts of blank contamination and qualified non-detected
U - The analyte was analyzed for, but not detected. The numerical value is at or below the MDL.
UJ - estimated non detect flag due to a QC discrepancy
NA - Not Analyzed or Not Applicable
DOC - Dissolved Organic Carbon
ORP - Oxidation reduction potential
µg/L - Micrograms per liter
mg/L - Milligrams per liter
mV - MilliVolts
NYS - New York State
- Exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this COC.
- - No NYS Groundwater Standard available.

APPENDIX A-5 SS062 AOC 9 WSA LANDFILL ANALYTICAL SUMMARY TABLES

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Appendix A-5 Site SS062 WSA Landfill
Analytical Summary Table (August 2022)
Griffiss Air Force Base, New York

Location ID:		AOC9MW-07	AOC9MW-14	AOC9MW-15	AOC9MW-17	AOC9MW-18	AOC9MW-19		AOC9-SW02	AOC9-SW03
Field Sample ID:		AOC9-MW07-0822	AOC9-MW14-0822	AOC9-MW15-0822	AOC9-MW17-0822	AOC9-MW18-0822	AOC9-MW19-0822	AOC9-MW19-0822-A	AOC9-SW2PM-0822	AOC9-SW3PM-0822
Sample Date:		8/23/2022	8/23/2022	8/23/2022	8/23/2022	8/23/2022	8/23/2022	8/23/2022	8/23/2022	8/23/2022
Sample Type:		Normal	Normal	Normal	Normal	Normal	Normal	Field Duplicate	Normal	Normal
Volatile organic compounds (µg/L)	**NYSDEC AWQ S/GV**									
1,1,1,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
1,1,1-Trichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
1,1-Dichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
1,1-Dichloropropene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	20 U	20 U	1 U	1 U
1,2,3-Trichloropropane	0.04	1 U	1 U	1 U	1 U	1 U	20 U	20 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	20 U	20 U	1 U	1 U
1,2,4-Trimethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.04	2 U	2 U	2 U	2 U	2 U	40 U	40 U	2 U	2 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	1 U	1 U	20 U	20 U	1 U	1 U
1,2-Dichlorobenzene	3	10.3	**1.6**	3.4	19.6	0.5 U	10 U	10 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
1,2-Dichloroethene	NC	**1.2 J**	1 U	1 U	**1.3 J**	1 U	20 U	20 U	1 U	1 U
1,2-Dichloropropane	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
1,3-Dichlorobenzene	3	**0.43 J**	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
1,3-Dichloropropane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3	6.8	**2.7**	0.5 U	0.5 U	0.5 U	16.5 J	16.1 J	0.5 U	0.5 U
2,2-Dichloropropane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
2-Butanone	50	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	70 U	70 U	3.5 U	3.5 U
2-Chlorotoluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	100 U	100 U	5 U	5 U
4-Chlorotoluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
4-Methyl-2-pentanone	NC	2 U	2 U	2 U	2 U	2 U	40 U	40 U	2 U	2 U
Acetone	50	20 U	20 U	20 U	20 U	20 U	400 U	400 U	20 U	20 U
Benzene	1	**0.63 J**	0.5 U	0.5 U	**0.57 J**	0.5 U	10 U	10 U	0.5 U	0.5 U
Bromobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
Bromochloromethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
Bromoform	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
Bromomethane	5	4 U	4 U	4 U	4 U	4 U	80 U	80 U	4 U	4 U
Carbon disulfide	60	1 U	1 U	1 U	1 U	1 U	20 U	20 U	1 U	1 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
Chlorobenzene	5	31.5	24	31.5	52.8	0.5 U	1,030	1,050	0.5 UJ	**0.81 J**
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	20 U	20 U	1 U	1 U
Chloroform	7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	20 U	20 U	1 U	1 U
cis-1,2-Dichloroethene	5	**1.2**	0.5 U	0.5 U	**1.3**	0.5 U	10 U	10 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
Cumene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
Dibromomethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	20 U	20 U	1 U	1 U
Ethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5	1 U	1 U	1 U	1 U	1 U	20 U	20 U	1 U	1 U
m,p-Xylene	5	1 U	1 U	1 U	1 U	1 U	20 U	20 U	1 U	1 U
Methyl tert-butyl ether	10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
Methylene chloride	5	4 U	4 U	4 U	4 U	4 U	80 U	80 U	4 U	4 U
Naphthalene	10	2 U	2 U	2 U	2 U	2 U	40 U	40 U	2 U	2 U
n-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
n-Propylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
o-Xylene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
p-Cymene (p-Isopropyltoluene)	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
sec-Butylbenzene	5	0.5 U	0.5 U	**0.41 J**	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
Styrene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
tert-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	**0.85 J**	0.5 U	10 U	10 U	0.5 U	0.5 U
Toluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U
Trichloroethene	5	**3**	0.5 U	0.5 U	10	0.5 U	10 U	10 U	0.5 U	0.5 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	20 U	20 U	1 U	1 U
Vinyl acetate	NC	5 U	5 U	5 U	5 U	5 U	100 U	100 U	5 U	5 U
Vinyl chloride	2	0.5 U	0.5 U	0.5 U	**0.44 J**	0.5 U	10 U	10 U	0.5 U	0.5 U
Xylenes, Total	NC	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	30 U	30 U	1.5 U	1.5 U
Field Parameters										
ORP (mV)	---	-23	-66	-94	64	15	18		82	72
DO (mg/L)	---	0.4	0.59	0.37	0.9	0.65	0.55		11.3	9.08
pH (SU)	---	6.7	6.1	6.36	6.9	6.46	6.31		6.53	6.79

Appendix A-5 Site SS062 WSA Landfill
Analytical Summary Table (August 2022)
Griffiss Air Force Base, New York

Notes:
NC = no criteria
ORP (mV) = oxidation reduction potential (millivolts)
DO (mg/L) = dissolved oxygen (millligrams per liter)
pH (SU) = potential of hydrogen (standard units)
J = estimated value
U = not detected; reported to limit of detection
µg/L = micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S/GV
NYSDEC AWQ S/GV = New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998); Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

Appendix A-5 Site SS062 WSA Landfill
Groundwater - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	G009-MW01													
Sample Date		12/19/1997	5/25/2000	9/9/2004	11/13/2006	7/29/2010	5/18/2011	10/25/2011	4/17/2012	9/26/2012	4/10/2013	4/3/2014	4/8/2015	10/31/2016	10/31/2018
Sampling Event Reference		Ref 1	Ref 2	Ref 3	Ref 4	E & E Baseline Sampling	E & E Performance Event 1	E & E Performance Event 2	E & E Performance Event 3	E & E Performance Event 4	E & E Long-Term Event 1	E & E Long-Term Event 2	E & E Long-Term Event 3	Bhate Long-Term Event 4	Bhate Long-Term Event 6
Volatile Organic Compounds (VOCs)	**(µg/L)**														
1,1-Dichloroethene	5*	U	U	U	-	U	-	-	-	-	UJ	UJ	U	U	U
1,2-Dichlorobenzene	3	U	0.36	0.6	-	0.80 J	-	-	-	-	0.42 J	0.44 J	U	U	U
1,2-Dichloroethane	0.6	U	U	U	-	U	-	-	-	-	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	NA	U	U	-	U	-	-	-	-	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	NA	U	U	-	U	-	-	-	-	U	U	U	U	U
1,3-Dichlorobenzene	3	NA	U	U	-	U	-	-	-	-	U	U	U	U	U
1,4-Dichlorobenzene	3	U	U	U	-	U	-	-	-	-	U	U	U	U	U
4-Chlorotoluene	5*	NA	U	U	-	NA	-	-	-	-	U	U	U	U	U
Benzene	1	U	U	U	-	U	-	-	-	-	U	U	U	U	U
Carbon disulfide	60	NA	NA	NA	-	NA	-	-	-	-	NA	NA	NA	U	U
Chlorobenzene	5*	U	U	U	-	U	-	-	-	-	U	U	U	U	U
cis-1,2-Dichloroethene	5*	U	U	0.123	-	U	-	-	-	-	UJ	U	U	0.20 J	0.19 J
Ethylbenzene	5*	U	U	U	-	U	-	-	-	-	U	U	U	U	U
Isopropylbenzene (Cumene)	5*	NA	U	U	-	U	-	-	-	-	U	U	U	U	U
Methylene chloride	5*	U	U	U	-	U	-	-	-	-	U	U	U	2.6 UB	U
m,p-Xylene	5*	NA	U	U	-	U	-	-	-	-	U	U	U	U	U
Naphthalene	10	NA	U	U	-	U	-	-	-	-	U	UJ	U	U	U
n-Butylbenzene	5*	NA	U	U	-	U	-	-	-	-	U	U	U	U	U
n-Propylbenzene	5*	NA	U	U	-	U	-	-	-	-	U	U	U	U	U
o-Xylene	5*	NA	U	U	-	U	-	-	-	-	U	U	U	U	U
p-Isopropyltoluene	5*	NA	NA	NA	-	U	-	-	-	-	U	U	U	U	U
sec-Butylbenzene	5*	NA	U	U	-	U	-	-	-	-	U	U	U	U	U
Styrene	5*	U	U	U	-	U	-	-	-	-	U	U	U	U	U
tert-Butylbenzene	5*	NA	U	U	-	U	-	-	-	-	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	-	U	-	-	-	-	U	U	U	U	U
Toluene	5*	U	U	U	-	U	-	-	-	-	U	U	U	U	U
trans-1,2-Dichloroethene	5*	NA	U	U	-	U	-	-	-	-	U	U	U	U	U
Trichloroethene (TCE)	5*	U	0.87	0.88	-	0.60 J	-	-	-	-	0.46 J	0.34 J	0.40 J	0.37 J	0.31 J
Vinyl Chloride	2	U	U	U	-	U	-	-	-	-	U	U	U	U	U
Total Volatile Organic Compounds	--	0	1.2	1.6	-	1.4	-	-	-	-	0.88	0.78	0.40	0.57	0.50
Field Parameters															
ORP (mV)	--													181	-5
Dissolved Oxygen (mg/L)	--													1.02	1.19
pH	--													7.48	7.42

Notes:

1 - Data presented under Reference 4 for MW19 is the most recent sampling data for TW39, which was in the same location as MW19. These results are presented for comparison.

Qualifiers:

J = Estimated concentration, D = Dilution, U = Analyte not detected, UB = Considered artifact of blank contamination & qualified non-detected, UJ = Estimated non-detect flag due to a quality control discrepancy

µg/L = Micrograms per liter
NA = Not applicable
- = Well not sampled

Shaded values denote hits exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.

♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

References:

(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. February 2005. Groundwater Monitoring Report.

(4) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Groundwater - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	G009-MW02													
Sample Date		12/19/1997	5/25/2000	9/9/2004	11/13/2006	7/29/2010	5/18/2011	10/25/2011	4/17/2012	9/26/2012	10/4/2013	3/4/2014	8/4/2015	11/1/2016	10/18/2018
Sampling Event Reference		Ref 1	Ref 2	Ref 3	Ref 4	E & E Baseline Sampling	E & E Performance Event 1	E & E Performance Event 2	E & E Performance Event 3	E & E Performance Event 4	E & E Long-Term Event 1	E & E Long-Term Event 2	E & E Long-Term Event 3	Bhate Long-Term Event 4	Bhate Long-Term Event 6
Volatile Organic Compounds (VOCs)	**(µg/L)**														
1,1-Dichloroethene	5*	U	U	U	U	U	-	-	-	-	UJ	U	U	U	U
1,2-Dichlorobenzene	3	U	U	U	U	U	-	-	-	-	U	U	U	U	0.16 J
1,2-Dichloroethane	0.6	U	U	U	U	U	-	-	-	-	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	NA	U	U	U	U	-	-	-	-	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	NA	U	U	U	U	-	-	-	-	U	U	U	U	U
1,3-Dichlorobenzene	3	NA	U	U	U	U	-	-	-	-	U	U	U	U	U
1,4-Dichlorobenzene	3	U	U	U	U	U	-	-	-	-	U	U	U	U	0.27 J
4-Chlorotoluene	5*	NA	U	U	U	NA	-	-	-	-	U	U	U	U	U
Benzene	1	U	U	U	U	U	-	-	-	-	U	U	U	U	U
Carbon disulfide	60	NA	NA	NA	NA	NA	-	-	-	-	NA	NA	NA	U	U
Chlorobenzene	5*	U	U	U	U	U	-	-	-	-	U	U	U	U	1.6
cis-1,2-Dichloroethene	5*	U	U	U	U	U	-	-	-	-	UJ	U	U	U	U
Ethylbenzene	5*	U	U	U	U	U	-	-	-	-	U	U	U	U	U
Isopropylbenzene (Cumene)	5*	NA	U	U	U	U	-	-	-	-	U	U	U	U	0.40 UJ
Methylene chloride	5*	U	U	U	U	U	-	-	-	-	U	U	U	U	U
m,p-Xylene	5*	NA	U	U	U	U	-	-	-	-	U	U	U	U	U
Naphthalene	10	NA	U	U	U	U	-	-	-	-	U	UJ	U	U	U
n-Butylbenzene	5*	NA	U	U	U	U	-	-	-	-	U	U	U	U	U
n-Propylbenzene	5*	NA	U	U	U	U	-	-	-	-	U	U	U	U	U
o-Xylene	5*	NA	U	U	U	U	-	-	-	-	U	U	U	U	U
p-Isopropyltoluene	5*	NA	NA	NA	U	U	-	-	-	-	U	U	U	U	U
sec-Butylbenzene	5*	NA	U	U	U	U	-	-	-	-	U	U	U	U	U
Styrene	5*	U	U	U	U	U	-	-	-	-	U	U	U	U	U
tert-Butylbenzene	5*	NA	U	U	U	U	-	-	-	-	U	U	U	U	0.40 UJ
Tetrachloroethene (PCE)	5*	U	U	U	U	U	-	-	-	-	U	U	U	U	U
Toluene	5*	U	U	U	U	U	-	-	-	-	U	U	U	U	U
trans-1,2-Dichloroethene	5*	NA	U	U	U	U	-	-	-	-	U	U	U	U	U
Trichloroethene (TCE)	5*	U	0.89	1.8	0.61 J	0.70 J	-	-	-	-	0.36 J	U	0.29 J	U	0.27 J
Vinyl Chloride	2	U	U	U	U	U	-	-	-	-	U	U	U	U	U
Total Volatile Organic Compounds	--	0	0.89	1.8	0.61	0.70	-	-	-	-	0.36	0	0.29	0	2.3
Field Parameters															
ORP (mV)	--													-78	-74
Dissolved Oxygen (mg/L)	--													5.05	2.8
pH	--													6.97	6.76

Notes:

1 - Data presented under Reference 4 for MW19 is the most recent sampling data for TW39, which was in the same location as MW19. These results are presented for comparison.

Qualifiers:

J = Estimated concentration, D = Dilution, U = Analyte not detected, UB = Considered artifact of blank contamination & qualified non-detected, UJ = Estimated non-detect flag due to a quality control discrepancy

µg/L = Micrograms per liter
NA = Not applicable
- = Well not sampled

Shaded values denote hits exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.

♦ - Denotes higher nominal value of duplicate sample result.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

References:

(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. February 2005. Groundwater Monitoring Report.

(4) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Groundwater - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	G009-MW03	
Sample Date		10/19/2018	10/1/2019
Sampling Event Reference		Bhate Long-Term Event 6	Bhate Long-Term Event 7
Volatile Organic Compounds (VOCs)	**(µg/L)**		
1,1-Dichloroethene	5*	U	U
1,2-Dichlorobenzene	3	12	12
1,2-Dichloroethane	0.6	U	U
1,2,4-Trimethylbenzene	5*	U	U
1,3,5-Trimethylbenzene	5*	U	U
1,3-Dichlorobenzene	3	0.35 J	0.42 J
1,4-Dichlorobenzene	3	3.3	3.7
4-Chlorotoluene	5*	U	U
Benzene	1	1.2	1.4
Carbon disulfide	60	U	U
Chlorobenzene	5*	59 D	49
cis-1,2-Dichloroethene	5*	0.62 J	0.62 J
Ethylbenzene	5*	U	U
Isopropylbenzene (Cumene)	5*	U	U
Methylene chloride	5*	U	U
m,p-Xylene	5*	U	U
Naphthalene	10	U	U
n-Butylbenzene	5*	U	U
n-Propylbenzene	5*	U	U
o-Xylene	5*	U	U
p-Isopropyltoluene	5*	U	U
sec-Butylbenzene	5*	0.17 J	U
Styrene	5*	U	U
tert-Butylbenzene	5*	U	U
Tetrachloroethene (PCE)	5*	0.59 J	0.49 J
Toluene	5*	U	0.19 J
trans-1,2-Dichloroethene	5*	U	U
Trichloroethene (TCE)	5*	3.0	3.1
Vinyl Chloride	2	U	U
Total Volatile Organic Compounds	--	80.23	70.92
Field Parameters			
ORP (mV)	--	-96	-6
Dissolved Oxygen (mg/L)	--	2.7	0.0
pH	--	7.20	7.54

Notes:

1 - Data presented under Reference 4 for MW19 is the most recent sampling data for TW39, which was in the same location as MW19. These results are presented for comparison.

Qualifiers:
J = Estimated concentration, D = Dilution, U = Analyte not detected, UB = Considered artifact of blank contamination & qualified non-detected, UJ = Estimated non-detect flag due to a quality control discrepancy

µg/L = Micrograms per liter
NA = Not applicable
- = Well not sampled
Shaded values denote hits exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.
♦ - Denotes higher nominal value of duplicate sample result.
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

References:

(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. February 2005. Groundwater Monitoring Report.

(4) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Groundwater - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location		AOC9MW-05													
Sample Date	**NYS Class GA Groundwater Standards**	12/19/1997	5/25/2000	9/9/2004	11/13/2006	7/29/2010	5/18/2011	10/25/2011	4/17/2012	9/26/2012	10/4/2013	3/4/2014	8/4/2015	10/31/2016	10/18/2018
Sampling Event Reference		Ref 1	Ref 2	Ref 3	Ref 4	E & E Baseline Sampling	E & E Performance Event 1	E & E Performance Event 2	E & E Performance Event 3	E & E Performance Event 4	E & E Long-Term Event 1	E & E Long-Term Event 2	E & E Long-Term Event 3	Bhate Long-Term Event 4	Bhate Long-Term Event 6
Volatile Organic Compounds (VOCs)	**(µg/L)**														
1,1-Dichloroethene	5*	-	U	U	U	U	-	-	-	-	UJ	U	U	U	U
1,2-Dichlorobenzene	3	-	U	U	U	U	-	-	-	-	U	U	U	U	U
1,2-Dichloroethane	0.6	-	U	U	U	U	-	-	-	-	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	-	U	U	U	U	-	-	-	-	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	-	U	U	U	U	-	-	-	-	U	U	U	U	U
1,3-Dichlorobenzene	3	-	U	U	U	U	-	-	-	-	U	U	U	U	U
1,4-Dichlorobenzene	3	-	U	U	U	U	-	-	-	-	U	U	U	U	U
4-Chlorotoluene	5*	-	U	U	U	NA	-	-	-	-	U	U	U	U	U
Benzene	1	-	U	U	U	U	-	-	-	-	U	U	U	U	U
Carbon disulfide	60	-	U	U	U	U	-	-	-	-	U	U	0.51 J	U	U
Chlorobenzene	5*	-	U	U	U	U	-	-	-	-	U	U	U	U	U
cis-1,2-Dichloroethene	5*	-	U	U	U	U	-	-	-	-	UJ	U	0.84 J	U	U
Ethylbenzene	5*	-	U	U	U	U	-	-	-	-	U	U	U	U	U
Isopropylbenzene (Cumene)	5*	-	U	U	U	U	-	-	-	-	U	U	U	U	0.40 UJ
Methylene chloride	5*	-	U	U	U	U	-	-	-	-	U	U	U	2.6 UB	U
m,p-Xylene	5*	-	U	U	U	U	-	-	-	-	U	U	U	U	U
Naphthalene	10	-	U	U	U	U	-	-	-	-	U	UJ	U	U	U
n-Butylbenzene	5*	-	U	U	U	U	-	-	-	-	U	U	U	U	U
n-Propylbenzene	5*	-	U	U	U	U	-	-	-	-	U	U	U	U	U
o-Xylene	5*	-	U	U	U	U	-	-	-	-	U	U	U	U	U
p-Isopropyltoluene	5*	-	NA	NA	U	U	-	-	-	-	U	U	U	U	U
sec-Butylbenzene	5*	-	U	U	U	U	-	-	-	-	U	U	U	U	U
Styrene	5*	-	U	U	U	U	-	-	-	-	U	U	U	U	U
tert-Butylbenzene	5*	-	U	U	U	U	-	-	-	-	U	U	U	U	0.40 UJ
Tetrachloroethene (PCE)	5*	-	U	U	U	U	-	-	-	-	U	U	U	U	U
Toluene	5*	-	U	U	U	U	-	-	-	-	U	U	U	U	U
trans-1,2-Dichloroethene	5*	-	U	U	U	U	-	-	-	-	U	U	U	U	U
Trichloroethene (TCE)	5*	-	U	U	U	U	-	-	-	-	U	U	U	U	U
Vinyl Chloride	2	-	U	U	U	U	-	-	-	-	U	U	U	U	U
Total Volatile Organic Compounds	--	-	0	0	0	0	-	-	-	-	0	0	1.4	0	0
Field Parameters															
ORP (mV)	--													157	143
Dissolved Oxygen (mg/L)	--													2.68	8.2
pH	--													6.50	6.22

Notes:

1 - Data presented under Reference 4 for MW19 is the most recent sampling data for TW39, which was in the same location as MW19. These results are presented for comparison.

Qualifiers:

J = Estimated concentration, D = Dilution, U = Analyte not detected, UB = Considered artifact of blank contamination & qualified non-detected, UJ = Estimated non-detect flag due to a quality control discrepancy

µg/L = Micrograms per liter
NA = Not applicable
- = Well not sampled
Shaded values denote hits exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.
♦ - Denotes higher nominal value of duplicate sample result.
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

References:

(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. February 2005. Groundwater Monitoring Report.

(4) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Groundwater - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	AOC9MW-06													
Sample Date		12/19/1997	5/25/2000	9/9/2004	11/13/2006	7/29/2010	5/18/2011	10/25/2011	4/17/2012	9/26/2012	10/4/2013	3/4/2014	8/4/2015	10/31/2016	10/18/2018
Sampling Event Reference		Ref 1	Ref 2	Ref 3	Ref 4	E & E Baseline Sampling	E & E Performance Event 1	E & E Performance Event 2	E & E Performance Event 3	E & E Performance Event 4	E & E Long-Term Event 1	E & E Long-Term Event 2	E & E Long-Term Event 3	Bhate Long-Term Event 4	Bhate Long-Term Event 6
Volatile Organic Compounds (VOCs)	**(µg/L)**														
1,1-Dichloroethene	5*	-	U	U	-	U	U	U	U	U	UJ	U	U	U	U
1,2-Dichlorobenzene	3	-	U	U	-	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	-	U	U	-	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*		U	U	-	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	-	U	U	-	U	U	U	U	U	U	U	U	U	U
1,3-Dichlorobenzene	3	-	U	U	-	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	-	U	U	-	U	U	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	-	U	U	-	NA	U	U	U	U	U	U	U	U	U
Benzene	1	-	U	U	-	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	60	-	U	U	-	U	U	U	U	U	U	U	0.47 J	U	U
Chlorobenzene	5*	-	U	U	-	U	UJ	0.90 J	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	-	U	U	-	U	U	U	U	U	UJ	U	0.75 J	U	U
Ethylbenzene	5*	-	U	U	-	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene (Cumene)	5*	-	U	U	-	U	U	U	U	U	U	U	U	U	0.40 UJ
Methylene chloride	5*	-	U	U	-	U	U	U	U	U	U	U	U	2.7 UB	U
m,p-Xylene	5*	-	U	U	-	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	-	U	U	-	U	U	3.0	U	U	U	UJ	U	U	U
n-Butylbenzene	5*	-	U	U	-	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	-	U	U	-	U	U	2.0	U	U	U	U	U	U	U
o-Xylene	5*	-	U	U	-	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	-	NA	NA	-	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	-	U	U	-	U	U	U	U	U	U	U	U	U	U
Styrene	5*	-	U	U	-	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	-	U	U	-	U	U	U	U	U	U	U	U	U	0.40 UJ
Tetrachloroethene (PCE)	5*	-	U	U	-	U	U	U	U	U	U	U	U	U	U
Toluene	5*	-	U	U	-	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	-	U	U	-	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	-	0.85	1.8	-	1.0	1.0	1.0	U	1.4	1.2	0.77 J	0.76 J	1.3 J	0.88 J
Vinyl Chloride	2	-	U	U	-	U	U	U	U	U	U	U	U	U	U
Total Volatile Organic Compounds	--	-	0.85	1.8	-	1.0	1.0	6.9	0	1.4	1.2	0.77	2.0	1.3	0.88
Field Parameters															
ORP (mV)	--													157	98
Dissolved Oxygen (mg/L)	--													1.97	6.3
pH	--													6.80	6.76

Notes:

1 - Data presented under Reference 4 for MW19 is the most recent sampling data for TW39, which was in the same location as MW19. These results are presented for comparison.

Qualifiers:

J = Estimated concentration, D = Dilution, U = Analyte not detected, UB = Considered artifact of blank contamination & qualified non-detected, UJ = Estimated non-detect flag due to a quality control discrepancy

µg/L = Micrograms per liter
NA = Not applicable
- = Well not sampled

Shaded values denote hits exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.

♦ - Denotes higher nominal value of duplicate sample result.

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References:

(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

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Appendix A-5 Site SS062 WSA Landfill
Groundwater - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	AOC9MW-07	AOC9MW-14								
Sample Date		10/1/2020	12/19/1997	5/25/2000	9/9/2004	11/13/2006	7/29/2010	5/18/2011	10/25/2011	4/17/2012	9/26/2012
Sampling Event Reference		Bhate Long-Term Event 7	Ref 1	Ref 2	Ref 3	Ref 4	E & E Baseline Sampling	E & E Performance Event 1	E & E Performance Event 2	E & E Performance Event 3	E & E Performance Event 4
Volatile Organic Compounds (VOCs)	**(µg/L)**										
1,1-Dichloroethene	5*	U	-	-	-	U	0.70 J	U	U	U	U
1,2-Dichlorobenzene	3	9.6	-	-	-	170	130	76	40	22 J	24
1,2-Dichloroethane	0.6	U	-	-	-	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	U	-	-	-	220	180	15	1.0	U	U
1,3,5-Trimethylbenzene	5*	U	-	-	-	79	64	U	U	U	U
1,3-Dichlorobenzene	3	0.54 J	-	-	-	7.6	6.0	4.0	2.0	1.1	1.3
1,4-Dichlorobenzene	3	7.2	-	-	-	110	87	53	34	20	21
4-Chlorotoluene	5*	U	-	-	-	0.33 J	NA	U	U	U	U
Benzene	1	0.35 J	-	-	-	3.5	19	1.0	1.0	0.43 J	0.94 J
Carbon disulfide	60	U	-	-	-	NA	NA	NA	NA	NA	NA
Chlorobenzene	5*	51	-	-	-	1,700	1,400	950 J	350	200	190
cis-1,2-Dichloroethene	5*	1.0	-	-	-	2.7	23	2.0	2.0	1.6	2.4
Ethylbenzene	5*	U	-	-	-	21	10	7.0	1.0	0.28 J	0.37 J
Isopropylbenzene (Cumene)	5*	U	-	-	-	17	14	11	3.0	0.58 J	0.93 J
Methylene chloride	5*	U	-	-	-	U	NA	U	U	U	U
m,p-Xylene	5*	U	-	-	-	68	50	11	0.70 J	U	U
Naphthalene	10	U	-	-	-	51	27	4.0	U	U	U
n-Butylbenzene	5*	U	-	-	-	4.3	4.0	2.0	2.0 J	0.33 J	0.46 J
n-Propylbenzene	5*	U	-	-	-	15	14	8.0	3.0	0.70 J	1.0
o-Xylene	5*	U	-	-	-	5.9	5.0	0.30 J	U	U	U
p-Isopropyltoluene	5*	U	-	-	-	5.5	5.0	U	U	U	U
sec-Butylbenzene	5*	U	-	-	-	8.3	7.0	4.0	3.0	0.75 J	1.0
Styrene	5*	U	-	-	-	U	U	U	U	U	U
tert-Butylbenzene	5*	U	-	-	-	3.2	2.0	2.0	1.0	U	0.32 J
Tetrachloroethene (PCE)	5*	U	-	-	-	U	UJ	U	U	U	U
Toluene	5*	U	-	-	-	0.75 J	3.0	U	U	U	U
trans-1,2-Dichloroethene	5*	U	-	-	-	U	2.0	U	U	U	U
Trichloroethene (TCE)	5*	2.2	-	-	-	4.8	28	2.0	2.0	U	1.2
Vinyl Chloride	2	U	-	-	-	1.6	17	1.0 J	1.0 J	U	0.83 J
Total Volatile Organic Compounds	--	71.89	-	-	-	2,500	2,100	1,200	450	250	250
Field Parameters											
ORP (mV)	--	-102									
Dissolved Oxygen (mg/L)	--	0.27									
pH	--	7.27									

Notes:

1 - Data presented under Reference 4 for MW19 is the most recent sampling data for TW39, which was in the same location as MW19. These results are presented for comparison.

Qualifiers:
J = Estimated concentration, D = Dilution, U = Analyte not detected, UB = Considered artifact of blank contamination & qualified non-detected, UJ = Estimated non-detect flag due to a quality control discrepancy

µg/L = Micrograms per liter
NA = Not applicable
- = Well not sampled
Shaded values denote hits exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.
♦ - Denotes higher nominal value of duplicate sample result.
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

References:

(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. February 2005. Groundwater Monitoring Report.

(4) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Groundwater - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	AOC9MW-14							
Sample Date		10/4/2013	3/4/2014	8/4/2015	11/1/2016	11/3/2017	10/16/2018	10/1/2019	10/1/2020
Sampling Event Reference		E & E Long-Term Event 1	E & E Long-Term Event 2	E & E Long-Term Event 3	Bhate Long-Term Event 4	Bhate Long-Term Event 5	Bhate Long-Term Event 6	Bhate Long-Term Event 7	Bhate Long-Term Event 8
Volatile Organic Compounds (VOCs)	**(µg/L)**								
1,1-Dichloroethene	5*	UJ	U	U	U	U	U	U	U
1,2-Dichlorobenzene	3	26	4.8	10	9.3	6.1	11	6.2 ♦	9.1 D
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	4.0	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	U	U	U	U	U	U	U	U
1,3-Dichlorobenzene	3	1.5	0.34 J	0.64 J	0.61 J♦	0.41 J	0.83 J D ♦	0.56 J ♦	U
1,4-Dichlorobenzene	3	22	4.7	8.9	7.4	5.4	11 D ♦	7.6 ♦	11 D
4-Chlorotoluene	5*	U	U	U	U	U	U	U	U
Benzene	1	0.99 J	U	2.9	4.1	0.61 J	11 D	1 ♦	6.5 D
Carbon disulfide	60	NA	NA	NA	U	U	U	U	U
Chlorobenzene	5*	250 J	31	150	130	87 D	380 D ♦	160	450 D
cis-1,2-Dichloroethene	5*	1.4 J	0.23 J	0.50 J	0.43 J	U	U	U	U
Ethylbenzene	5*	1.5	U	U	U	U	U	U	U
Isopropylbenzene (Cumene)	5*	3.3	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	0.80 UB	U	U	U	U
m,p-Xylene	5*	U	U	U	U	U	U	U	U
Naphthalene	10	U	UJ	U	U	U	U	U	U
n-Butylbenzene	5*	1.4	U	U	U	U	U	U	U
n-Propylbenzene	5*	2.6	U	U	0.17 J	U	U	U	U
o-Xylene	5*	0.27 J	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	1.9	U	U	0.71 J	0.62 J	0.74 J D	0.77 J ♦	U
Styrene	5*	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	0.73 J	U	U	0.18 J	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	U	0.21 J	U
trans-1,2-Dichloroethene	5*	UJ	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	1.0	U	U	0.48 J♦	0.21 J	U	U	U
Vinyl Chloride	2	U	U	U	0.21 J	U	U	U	U
Total Volatile Organic Compounds	--	330	41	170	155	100	415	176	477
Field Parameters									
ORP (mV)	--				-42	-65	-68	-47	-24
Dissolved Oxygen (mg/L)	--				1.62	0.26	3.0	0.48	0.0
pH	--				7.02	6.98	6.85	6.46	6.82

Notes:

1 - Data presented under Reference 4 for MW19 is the most recent sampling data for TW39, which was in the same location as MW19. These results are presented for comparison.

Qualifiers:
J = Estimated concentration, D = Dilution, U = Analyte not detected, UB = Considered artifact of blank contamination & qualified non-detected, UJ = Estimated non-detect flag due to a quality control discrepancy

µg/L = Micrograms per liter
NA = Not applicable
- = Well not sampled
Shaded values denote hits exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.
♦ - Denotes higher nominal value of duplicate sample result.
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

References:

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(4) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Groundwater - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	AOC9MW-15								
Sample Date		12/19/1997	5/25/2000	9/9/2004	11/13/2006	7/29/2010	5/18/2011	10/25/2011	4/17/2012	9/26/2012
Sampling Event Reference		Ref 1	Ref 2	Ref 3	Ref 4	E & E Baseline Sampling	E & E Performance Event 1	E & E Performance Event 2	E & E Performance Event 3	E & E Performance Event 4
Volatile Organic Compounds (VOCs)	**(µg/L)**									
1,1-Dichloroethene	5*	-	-	-	U	0.40 J	U	U	U	U
1,2-Dichlorobenzene	3	-	-	-	60 J	55	74	26	19	31
1,2-Dichloroethane	0.6	-	-	-	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	-	-	-	8.0 J	35	0.90 J	U	U	U
1,3,5-Trimethylbenzene	5*	-	-	-	10 J	18	U	U	U	U
1,3-Dichlorobenzene	3	-	-	-	8.0 J	6.0	5.0	2.0	1.3	1.8
1,4-Dichlorobenzene	3	-	-	-	110	64	58	28	17	19
4-Chlorotoluene	5*	-	-	-	U	NA	U	U	U	U
Benzene	1	-	-	-	12 J	26	1.0	2.0	1.4	2.8
Carbon disulfide	60	-	-	-	NA	NA	NA	NA	NA	NA
Chlorobenzene	5*	-	-	-	1,900	1,300	990 J	390	320	290
cis-1,2-Dichloroethene	5*	-	-	-	U	10	2.0	0.40 J	0.80	0.65 J
Ethylbenzene	5*	-	-	-	U	12	3.0	0.70 J	U	UJ
Isopropylbenzene (Cumene)	5*	-	-	-	12 J	22	7.0	2.0	1.4	2.0 J
Methylene chloride	5*	-	-	-	87	U	U	U	U	U
m,p-Xylene	5*	-	-	-	U	11	0.70 J	U	U	U
Naphthalene	10	-	-	-	U	U	0.40 J	U	U	U
n-Butylbenzene	5*	-	-	-	U	3.0	2.0	0.50 J	U	0.23 J
n-Propylbenzene	5*	-	-	-	U	8.0	5.0	U	U	U
o-Xylene	5*	-	-	-	U	2.0	U	U	U	U
p-Isopropyltoluene	5*	-	-	-	U	0.70 J	U	U	U	U
sec-Butylbenzene	5*	-	-	-	U	7.0	6.0	2.0	1.1	1.5
Styrene	5*	-	-	-	U	2.0	U	U	U	U
tert-Butylbenzene	5*	-	-	-	U	3.0	1.0	1.0	0.42 J	0.53 J
Tetrachloroethene (PCE)	5*	-	-	-	U	UJ	U	U	U	U
Toluene	5*	-	-	-	U	2.0	0.30 J	U	U	U
trans-1,2-Dichloroethene	5*	-	-	-	U	0.30 J	U	U	U	U
Trichloroethene (TCE)	5*	-	-	-	U	2.0	2.0	0.40 J	U	0.34 J
Vinyl Chloride	2	-	-	-	U	14	0.50 J	0.70 J	1.6 J	2.5
Total Volatile Organic Compounds	--	-	-	-	2,200	1,700	1,100	455	364	353
Field Parameters										
ORP (mV)	--									
Dissolved Oxygen (mg/L)	--									
pH	--									

Notes:

1 - Data presented under Reference 4 for MW19 is the most recent sampling data for TW39, which was in the same location as MW19. These results are presented for comparison.

Qualifiers:
J = Estimated concentration, D = Dilution, U = Analyte not detected, UB = Considered artifact of blank contamination & qualified non-detected, UJ = Estimated non-detect flag due to a quality control discrepancy

µg/L = Micrograms per liter
NA = Not applicable
- = Well not sampled
Shaded values denote hits exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.
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Appendix A-5 Site SS062 WSA Landfill
Groundwater - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	AOC9MW-15							
Sample Date		10/4/2013	3/4/2014	8/4/2015	11/1/2016	11/3/2017	10/18/2018	10/1/2019	10/1/2020
Sampling Event Reference		E&E Long-Term Event 1	E&E Long-Term Event 2	E & E Long-Term Event 3	Bhate Long-Term Event 4	Bhate Long-Term Event 5	Bhate Long-Term Event 6	Bhate Long-Term Event 7	Bhate Long-Term Event 8
Volatile Organic Compounds (VOCs)	**(µg/L)**								
1,1-Dichloroethene	5*	UJ	U	U	UJ	U	U	U	U
1,2-Dichlorobenzene	3	73	40	16	15 J	15♦	11	6.1	5.5
1,2-Dichloroethane	0.6	U	U	U	UJ	U	U	U	U
1,2,4-Trimethylbenzene	5*	U	U	U	UJ	U	U	U	U
1,3,5-Trimethylbenzene	5*	U	U	U	UJ	U	U	U	U
1,3-Dichlorobenzene	3	2.4	1.6	0.99 J	1.1 J♦	0.84 J♦	0.83 J ♦	0.53 J	0.54 J
1,4-Dichlorobenzene	3	24	19	14	15 J♦	11♦	11	7.6	8.0
4-Chlorotoluene	5*	U	U	U	UJ	U	U	U	U
Benzene	1	0.94 J	1.5	1.3	8.2 J	4.2♦	6.8 ♦	0.66 J	6.2
Carbon disulfide	60	NA	NA	NA	UJ	U	U	U	U
Chlorobenzene	5*	380 J	270	120	240 J	140 D	140 D	55	56
cis-1,2-Dichloroethene	5*	0.63 J	0.75 J	U	0.19 J	0.21 J♦	U	0.15 J	U
Ethylbenzene	5*	U	U	U	UJ	U	U	U	U
Isopropylbenzene (Cumene)	5*	2.0	1.6	0.68 J	0.64 J♦	0.38 J♦	0.27 J ♦	U	U
Methylene chloride	5*	U	U	U	2.2 UB	U	U	U	U
m,p-Xylene	5*	U	U	U	UJ	U	U	U	U
Naphthalene	10	U	UJ	U	UJ	U	U	U	U
n-Butylbenzene	5*	1.2	U	U	UJ	U	U	U	U
n-Propylbenzene	5*	U	U	U	UJ	U	U	U	U
o-Xylene	5*	U	U	U	UJ	U	U	U	U
p-Isopropyltoluene	5*	U	U	U	UJ	U	U	U	U
sec-Butylbenzene	5*	2.1	1.3	0.68 J	1.1 J♦	1.3♦	0.62 J ♦	0.38 J	0.64 J
Styrene	5*	U	U	U	UJ	U	U	U	U
tert-Butylbenzene	5*	0.58 J	0.39 J	U	0.22 J♦	0.43 J♦	0.25 J ♦	0.29 J	U
Tetrachloroethene (PCE)	5*	U	U	U	UJ	U	U	U	U
Toluene	5*	U	U	U	0.17 J♦	U	U	0.24 J	0.22 J
trans-1,2-Dichloroethene	5*	U	U	U	UJ	U	U	U	U
Trichloroethene (TCE)	5*	0.78 J	0.83 J	0.28 J	0.27 J♦	0.34 J♦	0.25 J ♦	0.23 J	U
Vinyl Chloride	2	U	0.74 J	0.40 J	0.64 J♦	0.59 J♦	0.41 J	U	U
Total Volatile Organic Compounds	--	488	338	154	283	172	171.43	71.18	77.10
Field Parameters									
ORP (mV)	--				-157	-110	-144	-59	-86
Dissolved Oxygen (mg/L)	--				1.12	0.00	2.2	0.0	0.0
pH	--				7.15	6.77	6.94	7.17	6.95

Notes:

1 - Data presented under Reference 4 for MW19 is the most recent sampling data for TW39, which was in the same location as MW19. These results are presented for comparison.

Qualifiers:
J = Estimated concentration, D = Dilution, U = Analyte not detected, UB = Considered artifact of blank contamination & qualified non-detected, UJ = Estimated non-detect flag due to a quality control discrepancy

µg/L = Micrograms per liter
NA = Not applicable
- = Well not sampled
Shaded values denote hits exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.
♦ - Denotes higher nominal value of duplicate sample result.
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Appendix A-5 Site SS062 WSA Landfill
Groundwater - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	AOC9MW-17								
Sample Date		12/19/1997	5/25/2000	9/9/2004	11/13/2006	7/29/2010	5/18/2011	10/25/2011	4/17/2012	9/26/2012
Sampling Event Reference		Ref 1	Ref 2	Ref 3	Ref 4	E & E Baseline Sampling	E & E Performance Event 1	E & E Performance Event 2	E & E Performance Event 3	E & E Performance Event 4
Volatile Organic Compounds (VOCs)	**(µg/L)**									
1,1-Dichloroethene	5*	-	-	-	U	U	U	U	U	U
1,2-Dichlorobenzene	3	-	-	-	66	50	44	69	67	91
1,2-Dichloroethane	0.6	-	-	-	0.68	0.40 J	U	0.40 J	U	U
1,2,4-Trimethylbenzene	5*	-	-	-	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	-	-	-	U	U	U	U	U	U
1,3-Dichlorobenzene	3	-	-	-	1.5	3.0	2.0	2.0	0.91 J	1.7
1,4-Dichlorobenzene	3	-	-	-	17	38	24	26	15	22
4-Chlorotoluene	5*	-	-	-	U	NA	U	U	U	U
Benzene	1	-	-	-	2.6	4.0	5.0	6.0 J	1.6	1.6
Carbon disulfide	60	-	-	-	NA	NA	NA	NA	NA	NA
Chlorobenzene	5*	-	-	-	250	760	450 J	540	270	300
cis-1,2-Dichloroethene	5*	-	-	-	12	5.0	5.0	4.0	3.9	5.2
Ethylbenzene	5*	-	-	-	U	0.80 J	0.40 J	1.0 J	U	U
Isopropylbenzene (Cumene)	5*	-	-	-	0.25 J	2.0	2.0 J	2.0 J	U	U
Methylene chloride	5*	-	-	-	U	U	U	U	U	U
m,p-Xylene	5*	-	-	-	U	U	U	U	U	U
Naphthalene	10	-	-	-	U	U	U	3.0	U	U
n-Butylbenzene	5*	-	-	-	U	U	U	U	U	U
n-Propylbenzene	5*	-	-	-	U	U	U	2.0	U	U
o-Xylene	5*	-	-	-	U	U	U	U	U	U
p-Isopropyltoluene	5*	-	-	-	U	U	U	U	U	U
sec-Butylbenzene	5*	-	-	-	0.33 J	1.0 J	0.80 J	0.60 J	U	U
Styrene	5*	-	-	-	U	U	U	U	U	U
tert-Butylbenzene	5*	-	-	-	0.26 J	0.60 J	0.50 J	U	U	U
Tetrachloroethene (PCE)	5*	-	-	-	3.0	2.0 J	0.90 J	2.0	4	2.2
Toluene	5*	-	-	-	0.39 J	U	U	U	U	U
trans-1,2-Dichloroethene	5*	-	-	-	U	0.90 J	1.0	U	U	0.62 J
Trichloroethene (TCE)	5*	-	-	-	19	14	12	14	20	19
Vinyl Chloride	2	-	-	-	0.92 J	4.0	4.0	3.0	1.2 J	2.5 J
Total Volatile Organic Compounds	--	-	-	-	370	890	560	680	380	450
Field Parameters										
ORP (mV)	--									
Dissolved Oxygen (mg/L)	--									
pH	--									

Notes:

1 - Data presented under Reference 4 for MW19 is the most recent sampling data for TW39, which was in the same location as MW19. These results are presented for comparison.

Qualifiers:
J = Estimated concentration, D = Dilution, U = Analyte not detected, UB = Considered artifact of blank contamination & qualified non-detected, UJ = Estimated non-detect flag due to a quality control discrepancy

µg/L = Micrograms per liter
NA = Not applicable
- = Well not sampled
Shaded values denote hits exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.
♦ - Denotes higher nominal value of duplicate sample result.
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

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Appendix A-5 Site SS062 WSA Landfill
Groundwater - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	AOC9MW-17							
Sample Date		10/4/2013	3/4/2014	8/4/2015	11/1/2016	11/3/2017	10/19/2018	10/1/2019	10/1/2020
Sampling Event Reference		E & E Long-Term Event 1	E & E Long-Term Event 2	E & E Long-Term Event 3	Bhate Long-Term Event 4	Bhate Long-Term Event 5	Bhate Long-Term Event 6	Bhate Long-Term Event 7	Bhate Long-Term Event 8
Volatile Organic Compounds (VOCs)	**(µg/L)**								
1,1-Dichloroethene	5*	UJ	U	U	U	UJ	U	U	U
1,2-Dichlorobenzene	3	60	49	44	34	22 J	22	22	27
1,2-Dichloroethane	0.6	U	U	0.64 J	U	0.54 J	U	0.59 J	U
1,2,4-Trimethylbenzene	5*	U	U	U	U	UJ	U	U	U
1,3,5-Trimethylbenzene	5*	U	U	U	U	UJ	U	U	U
1,3-Dichlorobenzene	3	1.1	0.79 J	0.70 J	0.37 J	0.31 J	0.35 J	0.33 J	0.41 J
1,4-Dichlorobenzene	3	12	10	8.9	6.2	3.1 J	3.8	4	5.0
4-Chlorotoluene	5*	U	U	U	U	UJ	U	U	U
Benzene	1	0.94 J	0.77 J	0.84 J	0.62 J	0.46 J	0.47 J	0.68 J	0.73 J
Carbon disulfide	60	NA	NA	NA	U	UJ	U	U	U
Chlorobenzene	5*	180	150	130	91	56 J	59	67	70
cis-1,2-Dichloroethene	5*	3.0 J	2.7	2.6	2.5	1.8 J	1.9	1.9	1.7
Ethylbenzene	5*	U	U	U	U	UJ	U	U	U
Isopropylbenzene (Cumene)	5*	U	U	U	U	UJ	U	U	U
Methylene chloride	5*	U	U	U	2.2 UB	UJ	U	U	U
m,p-Xylene	5*	U	U	U	U	UJ	U	U	U
Naphthalene	10	U	UJ	U	U	UJ	U	U	U
n-Butylbenzene	5*	U	U	U	U	UJ	U	U	U
n-Propylbenzene	5*	U	U	U	U	UJ	U	U	U
o-Xylene	5*	U	U	U	U	UJ	U	U	U
p-Isopropyltoluene	5*	U	U	U	U	UJ	U	U	U
sec-Butylbenzene	5*	U	U	U	U	UJ	U	U	U
Styrene	5*	U	U	U	U	UJ	U	U	U
tert-Butylbenzene	5*	U	U	U	U	UJ	U	U	U
Tetrachloroethene (PCE)	5*	1.8	1.8	1.9	0.92 J	0.56 J	0.93 J	1.2	1.4
Toluene	5*	U	U	U	U	UJ	U	0.21 J	U
trans-1,2-Dichloroethene	5*	U	U	U	0.19 J	UJ	0.21 J	U	U
Trichloroethene (TCE)	5*	15	16	18	12	6.9 J	10	14	14
Vinyl Chloride	2	U	1.0 J	1.1 J	1.1 J	0.40 J	0.99 J	0.6 J	U
Total Volatile Organic Compounds	--	270	230	210	149	92	100	113	120
Field Parameters									
ORP (mV)	--				-82	-40	-150	-54	-40
Dissolved Oxygen (mg/L)	--				2.01	10.31	2.2	0.44	0.27
pH	--				7.44	7.95	7.55	6.59	7.76

Notes:

1 - Data presented under Reference 4 for MW19 is the most recent sampling data for TW39, which was in the same location as MW19. These results are presented for comparison.

Qualifiers:
J = Estimated concentration, D = Dilution, U = Analyte not detected, UB = Considered artifact of blank contamination & qualified non-detected, UJ = Estimated non-detect flag due to a quality control discrepancy

µg/L = Micrograms per liter
NA = Not applicable
- = Well not sampled
Shaded values denote hits exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.
♦ - Denotes higher nominal value of duplicate sample result.
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

References:

(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. February 2005. Groundwater Monitoring Report.

(4) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Groundwater - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	AOC9MW-18							
Sample Date		12/19/1997	5/25/2000	9/9/2004	11/13/2006	7/29/2010	5/18/2011	10/25/2011	4/17/2012
Sampling Event Reference		Ref 1	Ref 2	Ref 3	Ref 4	E & E Baseline Sampling	E & E Performance Event 1	E & E Performance Event 2	E & E Performance Event 3
Volatile Organic Compounds (VOCs)	**(µg/L)**								
1,1-Dichloroethene	5*	-	-	-	-	U	-	-	-
1,2-Dichlorobenzene	3	-	-	-	-	0.20 J	-	-	-
1,2-Dichloroethane	0.6	-	-	-	-	U	-	-	-
1,2,4-Trimethylbenzene	5*	-	-	-	-	U	-	-	-
1,3,5-Trimethylbenzene	5*	-	-	-	-	U	-	-	-
1,3-Dichlorobenzene	3	-	-	-	-	U	-	-	-
1,4-Dichlorobenzene	3	-	-	-	-	U	-	-	-
4-Chlorotoluene	5*	-	-	-	-	NA	-	-	-
Benzene	1	-	-	-	-	U	-	-	-
Carbon disulfide	60	-	-	-	-	NA	-	-	-
Chlorobenzene	5*	-	-	-	-	3.0	-	-	-
cis-1,2-Dichloroethene	5*	-	-	-	-	U	-	-	-
Ethylbenzene	5*	-	-	-	-	U	-	-	-
Isopropylbenzene (Cumene)	5*	-	-	-	-	U	-	-	-
Methylene chloride	5*	-	-	-	-	U	-	-	-
m,p-Xylene	5*	-	-	-	-	U	-	-	-
Naphthalene	10	-	-	-	-	U	-	-	-
n-Butylbenzene	5*	-	-	-	-	U	-	-	-
n-Propylbenzene	5*	-	-	-	-	U	-	-	-
o-Xylene	5*	-	-	-	-	U	-	-	-
p-Isopropyltoluene	5*	-	-	-	-	U	-	-	-
sec-Butylbenzene	5*	-	-	-	-	U	-	-	-
Styrene	5*	-	-	-	-	U	-	-	-
tert-Butylbenzene	5*	-	-	-	-	U	-	-	-
Tetrachloroethene (PCE)	5*	-	-	-	-	UJ	-	-	-
Toluene	5*	-	-	-	-	U	-	-	-
trans-1,2-Dichloroethene	5*	-	-	-	-	U	-	-	-
Trichloroethene (TCE)	5*	-	-	-	-	U	-	-	-
Vinyl Chloride	2	-	-	-	-	U	-	-	-
Total Volatile Organic Compounds	--	-	-	-	-	3.2	-	-	-
Field Parameters									
ORP (mV)	--								
Dissolved Oxygen (mg/L)	--								
pH	--								

Notes:

1 - Data presented under Reference 4 for MW19 is the most recent sampling data for TW39, which was in the same location as MW19. These results are presented for comparison.

Qualifiers:
J = Estimated concentration, D = Dilution, U = Analyte not detected, UB = Considered artifact of blank contamination & qualified non-detected, UJ = Estimated non-detect flag due to a quality control discrepancy

µg/L = Micrograms per liter
NA = Not applicable
- = Well not sampled
Shaded values denote hits exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.
♦ - Denotes higher nominal value of duplicate sample result.
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

References:

(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. February 2005. Groundwater Monitoring Report.

(4) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Groundwater - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	AOC9MW-18							
Sample Date		9/26/2012	10/4/2013	3/4/2014	8/4/2015	11/1/2016	10/16/2018	10/1/2019	10/1/2020
Sampling Event Reference		E & E Performance Event 4	E & E Long-Term Event 1	E & E Long-Term Event 2	E & E Long-Term Event 3	Bhate Long-Term Event 4	Bhate Long-Term Event 6	Bhate Long-Term Event 7	Bhate Long-Term Event 8
Volatile Organic Compounds (VOCs)	**(µg/L)**								
1,1-Dichloroethene	5*	-	UJ	U	U	U	U	U	U
1,2-Dichlorobenzene	3	-	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	-	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	-	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5*	-	U	U	U	U	U	U	U
1,3-Dichlorobenzene	3	-	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	-	U	U	U	U	U	U	U
4-Chlorotoluene	5*	-	U	U	U	U	U	U	U
Benzene	1	-	U	U	U	U	U	U	U
Carbon disulfide	60	-	NA	NA	NA	U	U	U	U
Chlorobenzene	5*	-	U	U	0.25 J	U	0.60 J	U	U
cis-1,2-Dichloroethene	5*	-	UJ	U	U	U	U	U	U
Ethylbenzene	5*	-	U	U	U	U	U	U	U
Isopropylbenzene (Cumene)	5*	-	U	U	U	U	U	U	U
Methylene chloride	5*	-	U	U	U	U	U	U	U
m,p-Xylene	5*	-	U	U	U	U	U	U	U
Naphthalene	10	-	U	UJ	U	0.69 J	U	U	U
n-Butylbenzene	5*	-	U	U	U	U	U	U	U
n-Propylbenzene	5*	-	U	U	U	U	U	U	U
o-Xylene	5*	-	U	U	U	U	U	U	U
p-Isopropyltoluene	5*	-	U	U	U	U	U	U	U
sec-Butylbenzene	5*	-	U	U	U	U	U	U	U
Styrene	5*	-	U	U	U	U	U	U	U
tert-Butylbenzene	5*	-	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	-	U	U	U	U	U	U	U
Toluene	5*	-	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	-	UJ	U	U	U	U	U	U
Trichloroethene (TCE)	5*	-	U	U	U	U	U	U	U
Vinyl Chloride	2	-	U	U	U	U	U	U	U
Total Volatile Organic Compounds	--	-	0	0	0.25	0.69	0.60	0	0
Field Parameters									
ORP (mV)	--					73	31	37	42
Dissolved Oxygen (mg/L)	--					4.29	3.1	0.34	2.38
pH	--					7.06	7.04	6.70	7.09

Notes:

1 - Data presented under Reference 4 for MW19 is the most recent sampling data for TW39, which was in the same location as MW19. These results are presented for comparison.

Qualifiers:
J = Estimated concentration, D = Dilution, U = Analyte not detected, UB = Considered artifact of blank contamination & qualified non-detected, UJ = Estimated non-detect flag due to a quality control discrepancy

µg/L = Micrograms per liter
NA = Not applicable
- = Well not sampled
Shaded values denote hits exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.
♦ - Denotes higher nominal value of duplicate sample result.
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

References:

(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. February 2005. Groundwater Monitoring Report.

(4) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Groundwater - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	AOC9MW-19[1]								
Sample Date		12/19/1997	5/25/2000	9/9/2004	11/13/2006	7/29/2010	5/18/2011	10/25/2011	4/17/2012	9/26/2012
Sampling Event Reference		Ref 1	Ref 2	Ref 3	Ref 4	E & E Baseline Sampling	E & E Performance Event 1	E & E Performance Event 2	E & E Performance Event 3	E & E Performance Event 4
Volatile Organic Compounds (VOCs)	**(µg/L)**									
1,1-Dichloroethene	5*	-	-	-	NA	-	U	U	U	U
1,2-Dichlorobenzene	3	-	-	-	4930	-	6.0	6.0	3.8	5.4
1,2-Dichloroethane	0.6	-	-	-	NA	-	U	U	U	U
1,2,4-Trimethylbenzene	5*	-	-	-	170	-	U	U	U	U
1,3,5-Trimethylbenzene	5*	-	-	-	90	-	U	U	U	U
1,3-Dichlorobenzene	3	-	-	-	100	-	U	U	U	U
1,4-Dichlorobenzene	3	-	-	-	1,380	-	3.0	4.0	4.5 J	4.4
4-Chlorotoluene	5*	-	-	-	U	-	U	U	U	U
Benzene	1	-	-	-	90	-	U	0.40 J	0.90 J	U
Carbon disulfide	60	-	-	-	NA	-	NA	NA	NA	NA
Chlorobenzene	5*	-	-	-	14,400	-	18 J	14	33	31
cis-1,2-Dichloroethene	5*	-	-	-	U	-	3.0	15	12	1.4
Ethylbenzene	5*	-	-	-	U	-	U	U	U	UJ
Isopropylbenzene (Cumene)	5*	-	-	-	U	-	U	U	U	UJ
Methylene chloride	5*	-	-	-	U	-	U	U	U	U
m,p-Xylene	5*	-	-	-	85	-	U	U	U	U
Naphthalene	10	-	-	-	230	-	U	U	U	U
n-Butylbenzene	5*	-	-	-	U	-	U	U	U	U
n-Propylbenzene	5*	-	-	-	U	-	U	U	U	U
o-Xylene	5*	-	-	-	75	-	U	U	U	U
p-Isopropyltoluene	5*	-	-	-	U	-	U	U	U	U
sec-Butylbenzene	5*	-	-	-	U	-	U	U	U	U
Styrene	5*	-	-	-	NA	-	U	U	U	U
tert-Butylbenzene	5*	-	-	-	U	-	U	U	U	U
Tetrachloroethene (PCE)	5*	-	-	-	U	-	U	U	U	U
Toluene	5*	-	-	-	60	-	U	U	U	U
trans-1,2-Dichloroethene	5*	-	-	-	U	-	U	U	U	U
Trichloroethene (TCE)	5*	-	-	-	U	-	0.50 J	0.50 J	U	0.30 J
Vinyl Chloride	2	-	-	-	U	-	0.60 J	2.0	2.9	U
Total Volatile Organic Compounds	--	-	-	-	21,610	-	31	42	57	43
Field Parameters										
ORP (mV)	--									
Dissolved Oxygen (mg/L)	--									
pH	--									

Notes:

1 - Data presented under Reference 4 for MW19 is the most recent sampling data for TW39, which was in the same location as MW19. These results are presented for comparison.

Qualifiers:
J = Estimated concentration, D = Dilution, U = Analyte not detected, UB = Considered artifact of blank contamination & qualified non-detected, UJ = Estimated non-detect flag due to a quality control discrepancy

µg/L = Micrograms per liter
NA = Not applicable
- = Well not sampled
Shaded values denote hits exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.
♦ - Denotes higher nominal value of duplicate sample result.
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

References:

(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. February 2005. Groundwater Monitoring Report.

(4) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Groundwater - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	AOC9MW-19[1]							
Sample Date		10/4/2013	3/4/2014	8/4/2015	11/1/2016	10/16/2018	12/2/2018	10/1/2019	10/1/2020
Sampling Event Reference		E & E Long-Term Event 1	E & E Long-Term Event 2	E & E Long-Term Event 3	Bhate Long-Term Event 4	Bhate Long-Term Event 6	Bhate Long-Term Event 6 (resample)	Bhate Long-Term Event 7	Bhate Long-Term Event 8
Volatile Organic Compounds (VOCs)	**(µg/L)**								
1,1-Dichloroethene	5*	UJ	U	U	U	U	U	U	U
1,2-Dichlorobenzene	3	2.1	1.3	0.97 J	U	3.0 D	1.7	3.1 J D	2.7 J D
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5*	U	U	U	U	U	0.67 J	U	U
1,3,5-Trimethylbenzene	5*	U	U	U	U	U	0.20 J	U	U
1,3-Dichlorobenzene	3	U	U	U	U	0.41 J D	0.23 J	U	U
1,4-Dichlorobenzene	3	3.0	1.7	1.4	0.19 J	7.7 D	3.9	9.4 D	8.9 D
4-Chlorotoluene	5*	U	U	U	U	U	U	U	U
Benzene	1	2.0	0.65 J	0.52 J	U	3.4 D	2.3	2.6 J D	1.3 J D
Carbon disulfide	60	NA	NA	NA	U	U	U	U	U
Chlorobenzene	5*	58	29	33	13	560 D	270 D	500 D	390 D
cis-1,2-Dichloroethene	5*	3.2 J	2.1	1.9	U	2.0 D	0.88 J	0.87 J D	1.2 J D
Ethylbenzene	5*	U	U	U	U	U	0.46 J	U	U
Isopropylbenzene (Cumene)	5*	U	U	U	U	U	U	U	U
Methylene chloride	5*	U	U	U	4.6 UB	U	U	U	U
m,p-Xylene	5*	U	U	U	U	U	1.6 J	U	U
Naphthalene	10	U	UJ	U	U	U	U	U	U
n-Butylbenzene	5*	U	U	U	U	U	U	U	U
n-Propylbenzene	5*	U	U	U	U	U	U	U	U
o-Xylene	5*	U	U	U	U	U	0.92 J	U	U
p-Isopropyltoluene	5*	U	U	U	U	U	U	U	U
sec-Butylbenzene	5*	U	U	U	U	U	U	U	U
Styrene	5*	U	U	U	U	U	U	U	U
tert-Butylbenzene	5*	U	U	U	U	U	U	U	U
Tetrachloroethene (PCE)	5*	U	U	U	U	U	U	U	U
Toluene	5*	U	U	U	U	U	1.2	U	U
trans-1,2-Dichloroethene	5*	UJ	U	U	U	U	U	U	U
Trichloroethene (TCE)	5*	0.55 J	0.29 J	0.37 J	U	U	0.17 J	U	U
Vinyl Chloride	2	U	0.80 J	0.74 J	U	0.53 J D	U	U	U
Total Volatile Organic Compounds	--	69	36	39	13.19	577.04	284.23	515.97	404.1
Field Parameters									
ORP (mV)	--				-79	-151	--	-23	-71
Dissolved Oxygen (mg/L)	--				2.08	2.3	--	0.0	1.52
pH	--				6.69	6.91	--	6.95	6.83

Notes:

1 - Data presented under Reference 4 for MW19 is the most recent sampling data for TW39, which was in the same location as MW19. These results are presented for comparison.

Qualifiers:
J = Estimated concentration, D = Dilution, U = Analyte not detected, UB = Considered artifact of blank contamination & qualified non-detected, UJ = Estimated non-detect flag due to a quality control discrepancy

µg/L = Micrograms per liter
NA = Not applicable
- = Well not sampled
Shaded values denote hits exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.
♦ - Denotes higher nominal value of duplicate sample result.
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

References:

(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. February 2005. Groundwater Monitoring Report.

(4) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Surface Water - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	AOC9SW-01					
Sample Date		11/4/1997	5/10/2000	11/13/2006	7/27/2010	5/17/2011	10/24/2011
Sampling Event Reference		Ref 1	Ref 2	Ref 3	E & E Baseline Sampling	E & E Performance Event 1	E & E Performance Event 2
Volatile Organic Compounds (VOCs)	**(µg/L)**						
Chlorobenzene	5*	U	0.85 J	U	U	0.60 J	U
1,2-Dichlorobenzene	3	NA	U	U	U	U	U
1,4-Dichlorobenzene	3	NA	U	U	U	U	U
cis-1,2-Dichloroethene	5*	U	U	U	U	U	0.40 J
Tetrachloroethene	5*	U	U	U	U	U	1.0 J
Trichloroethene	5*	U	U	U	U	U	0.70 J
Carbon Disulfide	60	NA	NA	NA	NA	NA	NA
Naphthalene	10	NA	NA	NA	NA	NA	NA
Total VOCs	NA	0	0.85	0	0	0.6	2.1

Notes:
J = Estimated concentration
U = Analyte not detected
µg/L = Micrograms per liter
NA = Not applicable or not analyzed
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

Shaded values denote detections exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.

References:
(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Surface Water - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	AOC9SW-01			AOC9SW-01		
Sample Date		4/16/2012	9/25/2012	4/8/2013	4/1/2014	4/8/2015	11/1/2016
Sampling Event Reference		E & E Performance Event 3	E & E Performance Event 4	E & E Long-Term Event 1	E & E Long-Term Event 2	E & E Long-Term Event 3	Bhate Long-Term Event 4
Volatile Organic Compounds (VOCs)	**(µg/L)**						
Chlorobenzene	5*	U	U	U	U	U	U
1,2-Dichlorobenzene	3	U	U	U	U	U	U
1,4-Dichlorobenzene	3	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	U	U	UJ	U	U	U
Tetrachloroethene	5*	U	U	U	U	U	U
Trichloroethene	5*	U	U	U	U	U	U
Carbon Disulfide	60	NA	NA	NA	NA	NA	U
Naphthalene	10	NA	NA	NA	NA	NA	U
Total VOCs	NA	2.5 J	0	0	0	0	0

Notes:
J = Estimated concentration
U = Analyte not detected
µg/L = Micrograms per liter
NA = Not applicable or not analyzed
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

Shaded values denote detections exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.

References:
(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Surface Water - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA Groundwater Standards**		**AOC9SW-02**				
Sample Date		10/18/2018	11/4/1997	5/10/2000	11/13/2006	7/27/2010	5/17/2011
Sampling Event Reference		Bhate Long-Term Event 6	Ref 1	Ref 2	Ref 3	E & E Baseline Sampling	E & E Performance Event 1
Volatile Organic Compounds (VOCs)	**(µg/L)**						
Chlorobenzene	5*	0.43 J	U	0.84	4.0	3.0	2.0 J
1,2-Dichlorobenzene	3	U	NA	0.41 J	0.29 J	0.20 J	U
1,4-Dichlorobenzene	3	U	NA	U	0.26 J	U	U
cis-1,2-Dichloroethene	5*	U	NA	NA	NA	NA	NA
Tetrachloroethene	5*	U	NA	NA	NA	NA	NA
Trichloroethene	5*	U	NA	NA	NA	NA	NA
Carbon Disulfide	60	U	NA	NA	NA	NA	NA
Naphthalene	10	U	NA	NA	NA	NA	NA
Total VOCs	NA	0.43	0	1.3	4.6	3.2	2

Notes:
J = Estimated concentration
U = Analyte not detected
µg/L = Micrograms per liter
NA = Not applicable or not analyzed
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

Shaded values denote detections exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.

References:
(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Surface Water - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	AOC9SW-02			AOC9SW-02		
Sample Date		10/24/2011	4/16/2012	9/25/2012	4/8/2013	4/1/2014	4/8/2015
Sampling Event Reference		E & E Performance Event 2	E & E Performance Event 3	E & E Performance Event 4	E & E Long-Term Event 1	E & E Long-Term Event 2	E & E Long-Term Event 3
Volatile Organic Compounds (VOCs)	**(µg/L)**						
Chlorobenzene	5*	9.0	U	U	U	U	0.40 J
1,2-Dichlorobenzene	3	0.30 J	U	U	U	U	U
1,4-Dichlorobenzene	3	0.40 J	U	U	U	U	U
cis-1,2-Dichloroethene	5*	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5*	NA	NA	NA	NA	NA	NA
Trichloroethene	5*	NA	NA	NA	NA	NA	NA
Carbon Disulfide	60	NA	NA	NA	NA	NA	NA
Naphthalene	10	NA	NA	NA	NA	NA	NA
Total VOCs	NA	9.7	0	0	0	0	0.4

Notes:
J = Estimated concentration
U = Analyte not detected
µg/L = Micrograms per liter
NA = Not applicable or not analyzed
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

Shaded values denote detections exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.

References:
(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Surface Water - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA Groundwater Standards**		**AOC9SW-02**				
Sample Date		11/1/2016	11/1/2017	10/18/2018	10/1/2019	10/1/2020	11/4/1997
Sampling Event Reference		Bhate Long-Term Event 4	Bhate Long-Term Event 5	Bhate Long-Term Event 6	Bhate Long-Term Event 7	Bhate Long-Term Event 8	Ref 1
Volatile Organic Compounds (VOCs)	**(µg/L)**						
Chlorobenzene	5*	U	0.97 J	0.50 J	0.18 J	U	U
1,2-Dichlorobenzene	3	U	U	U	U	U	NA
1,4-Dichlorobenzene	3	U	U	U	U	U	NA
cis-1,2-Dichloroethene	5*	U	U	U	U	U	NA
Tetrachloroethene	5*	U	U	U	U	U	NA
Trichloroethene	5*	U	U	U	U	U	NA
Carbon Disulfide	60	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U
Total VOCs	NA	0	0.97	0.5	0.18	0	0

Notes:
J = Estimated concentration
U = Analyte not detected
µg/L = Micrograms per liter
NA = Not applicable or not analyzed
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

Shaded values denote detections exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.

References:
(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Surface Water - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	NYS Class GA Groundwater Standards	AOC9SW-03					
Sample Date		5/10/2000	11/13/2006	7/27/2010	5/17/2011	10/24/2011	4/16/2012
Sampling Event Reference		Ref 2	Ref 3	E & E Baseline Sampling	E & E Performance Event 1	E & E Performance Event 2	E & E Performance Event 3
Volatile Organic Compounds (VOCs)	**(µg/L)**						
Chlorobenzene	5*	0.24 J	1.2	3.0	2.0 J	2.0	U
1,2-Dichlorobenzene	3	U	0.12 J	0.30 J	0.20 J	0.20 J	U
1,4-Dichlorobenzene	3	U	U	0.30 J	U	U	U
cis-1,2-Dichloroethene	5*	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5*	NA	NA	NA	NA	NA	NA
Trichloroethene	5*	NA	NA	NA	NA	NA	NA
Carbon Disulfide	60	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U
Total VOCs	NA	0.24	1.3	3.6	2.2	2.2	0

Notes:
J = Estimated concentration
U = Analyte not detected
µg/L = Micrograms per liter
NA = Not applicable or not analyzed
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

Shaded values denote detections exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.

References:
(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Surface Water - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA Groundwater Standards**	**AOC9SW-03**			**AOC9SW-03**		
Sample Date		9/25/2012	4/8/2013	4/1/2014	4/8/2015	11/1/2016	10/18/2018
Sampling Event Reference		E & E Performance Event 4	E & E Long-Term Event 1	E & E Long-Term Event 2	E & E Long-Term Event 3	Bhate Long-Term Event 4	Bhate Long-Term Event 6
Volatile Organic Compounds (VOCs)	**(µg/L)**						
Chlorobenzene	5*	U	U	U	0.61 J	0.55 J	0.43 J
1,2-Dichlorobenzene	3	U	0.45 J	U	U	U	U
1,4-Dichlorobenzene	3	U	U	U	U	U	U
cis-1,2-Dichloroethene	5*	NA	NA	NA	NA	U	U
Tetrachloroethene	5*	NA	NA	NA	NA	U	U
Trichloroethene	5*	NA	NA	NA	NA	U	U
Carbon Disulfide	60	U	U	U	0.36 J	U	U
Naphthalene	10	U	0.36 J	U	U	U	U
Total VOCs	NA	0	0.81	0	0.97	0.55	0.43

Notes:
J = Estimated concentration
U = Analyte not detected
µg/L = Micrograms per liter
NA = Not applicable or not analyzed
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

Shaded values denote detections exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.

References:
(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

Appendix A-5 Site SS062 WSA Landfill
Surface Water - Analytical Summary Table (1997-2020)
Griffiss Air Force Base, New York

Sample Location	**NYS Class GA Groundwater Standards**		
Sample Date		10/1/2019	10/1/2020
Sampling Event Reference		Bhate Long-Term Event 7	Bhate Long-Term Event 8
Volatile Organic Compounds (VOCs)	**(µg/L)**		
Chlorobenzene	5*	0.47 J	U
1,2-Dichlorobenzene	3	U	U
1,4-Dichlorobenzene	3	U	U
cis-1,2-Dichloroethene	5*	U	U
Tetrachloroethene	5*	U	U
Trichloroethene	5*	U	U
Carbon Disulfide	60	U	U
Naphthalene	10	U	U
Total VOCs	NA	0.47	0

Notes:
J = Estimated concentration
U = Analyte not detected
µg/L = Micrograms per liter
NA = Not applicable or not analyzed
* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this chemical of concern.

Shaded values denote detections exceeding the New York State Department of Environmental Conservation (NYSDEC) standard.

References:
(1) E & E. July 1998. Draft Report for Expanded Site Investigation and Confirmatory Sampling of Areas of Interest and Drywell / Wastewater-Related Systems

(2) E & E. August 2001. AOC 9: Weapons Storage Area (WSA) Landfill Supplemental Investigation Final Data Summary Report.

(3) FPM. August 2007. Baseline and Pre-Design Investigation 2 Sampling Final Monitoring Report.

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APPENDIX B FIELD FORMS

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Appendix B-1 SD052-01 Apron 2 Chlorinated Plume Sampling Logs

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-01	Location ID: AP2MW-3-0822	Date: 08/23/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: Geopump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in):	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 18.7 ft
	Total Well Depth (ft) (C): 34ft	Water Column Thickness (ft) (C-B): 15.3 ft	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Cloudy 70°F	Well Condition:	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/23/22	1715	18.7	0.26	200	20.89	6.54	0.742	1.18	592	55	None
08/23/22	1720	18.7	0.52	200	18.00	6.54	0.775	0.73	84.0	21	None
08/23/22	1725	18.7	0.78	200	17.19	6.54	0.780	0.57	68.0	14	None
08/23/22	1730	18.7	1.04	200	17.02	6.54	0.774	0.55	59.7	10	None
08/23/22	1735	18.7	1.30	200	16.67	6.53	0.770	0.47	42.8	8	None
08/23/22	1740	18.7	1.56	200	17.01	6.53	0.760	0.42	26.3	7	None
08/23/22	1745	18.7	1.82	200	17.67	6.52	0.747	0.40	24.7	5	None
08/23/22	1750	18.7	2.08	200	16.51	6.50	0.727	0.36	24.3	3	None

Colorimeter Results					**No. Containers/Volume/Type**			**Preserv.**	**Filter (Y/N)**	**Method**	**Parameter(s)**
Time	**Analyte**	**Dilution**	**Result**	**Units**	3	40 ml	Glass Vial	HCl	N	8260D(A)	VOCs

Conversions	**Stabilization Criteria**										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: AP2MW-3-0822				Sample Time: 1800		

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-01	Location ID: 782VMW-81	Date: 8/24/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: B Pollard
EQUIPMENT	Pump Type/ID#: Geopump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 20.55
	Total Well Depth (ft) (C): 49.90	Water Column Thickness (ft) (C-B): 29.35	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Cloudy, 70°F	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/24/22	0920	20.93	1	200	19.42	5.87	1.13	5.62	50	137	None
8/24/22	0925	20.95	2	200	19.24	5.99	1.15	5.09	47.9	133	None
8/24/22	0930	20.85	3	200	19.18	6.09	1.16	4.89	43.3	130	None
8/24/22	0935	20.85	4	200	19.10	6.22	1.16	4.66	42.5	125	None
8/24/22	0940	20.85	5	200	18.85	6.29	1.17	4.58	33.3	122	None
8/24/22	0945	20.85	6	200	18.45	6.34	1.18	4.60	34.1	119	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Conversions	**Stabilization Criteria**			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
9	40mL	Vial	HCl		8260D(A)	VOCs

Sample ID: 782VMW-81-0822 Sample Time: 0950

782VMW-81-0822-MS
782VMW-81-0822-SD

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-01	Location ID: 782VMW-101	Date: 08/24/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: GeoPump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 8.8 ft.
	Total Well Depth (ft) (C): 25.8 ft	Water Column Thickness (ft) (C-B): 17 ft	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Foggy, 65°F	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/24/22	745	8.8	0.26	200	15.24	5.94	0.635	2.31	133	127	~~None~~ Cloudy
08/24/22	750	8.8	0.52	200	14.48	6.17	0.610	0.38	92.1	63	Cloudy
08/24/22	755	8.8	0.78	200	14.33	6.20	0.632	0.34	70.8	53	Cloudy
08/24/22	800	8.8	1.04	200	14.34	6.23	0.6060	0.39	47.0	45	None
08/24/22	805	8.8	1.30	200	14.27	6.24	0.6065	0.36	32.1	39	None
08/24/22	810	8.8	1.56	200	14.25	6.26	0.667	0.27	22.3	34	None
08/24/22	815	8.8	1.82	200	14.25	6.27	0.668	0.25	17.5	30	None
08/24/22	820	8.8	2.08	200	14.21	6.29	0.667	0.24	11.4	27	None
08/24/22	825	8.8	2.34	200	14.23	6.28	0.669	0.25	9.5	25	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	Glass Vial	HCL	N	8260D(A)	VOCs

Conversions	**Stabilization Criteria**			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

Sample ID: 782VMW-101-0822 Sample Time: 835

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: 30052-01	Location ID: 782VMW-105B	Date: 08/24/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: Geopump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 19.27
	Total Well Depth (ft) (C): 44.3 ft	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Cloudy 68°F	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/24/22	920	19.5	0.26	200	16.12	6.45	0.986	3.97	20.0	3	None
08/24/22	925	19.55	0.52	200	15.28	6.41	~~0~~ 1.02	0.96	11.3	-27	None
08/24/22	930	19.55	0.78	200	14.94	6.40	1.07	0.66	16.5	-34	None
08/24/22	935	19.55	1.04	200	14.79	6.40	1.09	0.57	14.8	-37	None
08/24/22	940	19.55	1.30	200	14.83	6.41	1.12	0.45	12.4	-42	None
08/24/22	945	19.55	1.56	200	14.85	6.42	1.12	0.42	12.7	-45	None
08/24/22	950	19.56	1.82	200	14.93	6.43	1.14	0.38	11.9	-48	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	Glass Vial	HCL	N	8260D(A)	VOCs

Conversions

1 L = 0.26 gals	Stabilization Criteria			
1 gal = 3.79 L	Temp	+/- 10%	DO	+/- 10%
	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

Sample ID: 782VMW-105B-0822 Sample Time: 955

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-01	Location ID: 782SW-115 ~~0822~~ BP	Date: 8/24/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: B Pollard
EQUIPMENT	Pump Type/ID#: None	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): None	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B):
	Total Well Depth (ft) (C):	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Fog 70°F	Well Condition: —	Comments: Surface water

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/24/22	0740	—	—	—	19.35	5.22	0.480	5.80	3.8	194	

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Vial	HCl		8260D(A)	VOCs

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 782SW-115-0822				Sample Time: 0740		

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-01	Location ID: 782VMW-121	Date: 8/23/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: BPollard
EQUIPMENT	Pump Type/ID#: Geopump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SV	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 13.08
	Total Well Depth (ft) (C): 28.24	Water Column Thickness (ft) (C-B): 15.16	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Light Rain 80°F	Well Condition: Good	Comments: Field Duplicate

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/23/22 ~~0758~~ 1720	1720	13.11	1	200	20.80	6.25	1.20	2.12	94.3	-25	Orange Debris
8/23/22	1725	13.10	2	200	19.07	6.24	1.23	1.36	122	-25	Cloudy
8/23/22	1730	13.10	3	200	18.15	6.23	1.24	1.09	121	-41	Cloudy
8/23/22	1735	13.10	4	200	17.76	6.21	1.25	0.91	116	-47	Cloudy
8/23/22	1740	13.10	5	200	17.03	6.20	1.26	0.78	96.9	-53	Cloudy
8/23/22	1745	13.10	6	200	16.84	6.19	1.26	0.70	77.7	-56	Cloudy
8/23/22	1750	13.10	7	200	16.72	6.19	1.26	0.67	57.5	-59	Cloudy
8/23/22	1755	13.10	8	200	16.57	6.19	1.24	0.65	49.0	-60	Cloudy
8/23/22	1800	13.10	9	200	16.46	6.20	1.23	0.65	38.4	-62	Cloudy

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	6	40mL	Vial	HCl		8260D(M)	VOCs

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

Sample ID: 782VMW-121-0822 Sample Time: 1825

782VMW-121-0822-A

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-01	Location ID: 782VMW-121	Date: 8/23/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By:
EQUIPMENT	Pump Type/ID#:	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in):	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B):
	Total Well Depth (ft) (C):	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather:	Well Condition:	Comments:

SAME

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/23/22	1805	13.10	10	200	16.33	6.20	1.21	0.64	26.3	-63	None
	1810	13.10	11	200	16.33	6.20	1.20	0.63	21.1	-64	None
	1815	13.10	12	200	16.37	6.21	1.19	0.61	20.0	-65	None
↓	1820	13.10	13	200	16.35	6.20	1.20	0.59	19.8	-65	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

No. Containers/Volume/Type	Preserv.	Filter (Y/N)	Method	Parameter(s)
Sample ID:		Sample Time:		

SAME

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APPENDIX B-2 SD052-02 BUILDING 775 SAMPLING LOGS

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-02	Location ID: 775VMW-4	Date: 8/24/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: B Pollard
EQUIPMENT	Pump Type/ID#: Grundfos Sub	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 58.06
	Total Well Depth (ft) (C): 71.29	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/24/22	1820	59.00	2	400	22.51	7.17	0.852	2.29	349	71	None
8/24/22	1825	59.00	4	400	21.50	7.29	0.560	1.52	374	54	None
8/24/22	1830	59.00	6	400	22.30	7.06	0.406	1.49	329	49	None
8/24/22	1835	59.00	8	400	22.16	7.03	0.393	1.46	371	33	None
8/24/22	1840	59.00	10	400	22.53	6.97	0.396	1.19	295	4	None
8/24/22	1845	59.00	12	400	22.88	6.93	0.395	0.93	195	-10	None
8/24/22	1850	59.00	14	400	23.09	6.87	0.395	0.78	154	-22	None
8/24/22	1855	59.00	16	400	23.16	6.84	0.397	0.75	127	-23	None
8/24/22	1900	59.00	18	400	23.04	6.82	0.393	0.72	88.0	-19	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Conversions	**Stabilization Criteria**			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	Vial	HCl		8260D(A)	VOCs

Sample ID: 775VMW-4-0822 Sample Time: 1940

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-02	Location ID: ~~775VMW-4~~ 775VMW-4-0822	Date: 8/24/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By:
EQUIPMENT	Pump Type/ID#:	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): SAME	Unit Casing Volume (gal/lin ft) (A): - SAME	Initial Depth to Water (ft) (B): SAME
	Total Well Depth (ft) (C):	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather:	Well Condition:	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/24/22	1905	59.0	20	400	22.56	6.79	0.397	0.67	74.0	-13	None
8/24/22	1910	59.0	22	400	22.40	6.77	0.397	0.62	54.6	-14	None
8/24/22	1915	59.0	24	400	22.30	6.70	0.400	0.57	38.5	-5	None
8/24/22	1920	59	26	400	22.25	6.69	0.400	0.55	20.2	-3	None
8/24/22	1925	59	28	400	22.20	6.69	0.402	0.54	11.6	-3	None
8/24/22	1930	59	30	400	22.10	6.70	0.402	0.53	10.7	-4	None
8/24/22	1935	59	32	400	22.05	6.70	0.402	0.53	10.1	-3	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Conversions	**Stabilization Criteria**			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40mL	Vial	HCl		8260D(A)	VOCs

Sample ID: 775VMW-4-0822 Sample Time: 1940

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-02	Location ID: 775VMW-5	Date: 08/24/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: Groundfos Sub	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): ~~Groundfos Sub~~ NB	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 58.95 ft
	Total Well Depth (ft) (C): 75.5 ft	Water Column Thickness (ft) (C-B): 16.55 ft	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny, 75° F	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/24/22	1705	58.95	0.52	400	19.31	7.17	1.17	8.74	136	97	Cloudy
08/24/22	1710	58.95	1.04	400	20.33	7.07	1.43	8.38	71.8	99	None
08/24/22	1715	58.90	1.56	400	21.28	7.05	1.60	8.05	67.0	99	None
08/24/22	1720	59.35	2.08	400	21.16	7.07	1.62	8.08	47.1	100	None
08/24/22	1725	59.05	2.60	400	21.08	7.06	1.64	7.80	38.7	102	None
08/24/22	1730	59.05	3.12	400	21.34	7.05	1.75	7.67	22.8	102	None
08/24/22	1735	59.05	3.64	400	21.37	7.05	1.76	7.60	9.1	102	None
08/24/22	1740	59.05	4.16	400	21.42	7.06	1.77	7.42	9.3	102	None
08/24/22	1745	59.05	4.68	400	21.53	7.06	1.77	7.33	7.5	102	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	Glass Vial	HCL	N	8260D(A)	VOCs

Conversions	Stabilization Criteria											
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%								
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%								
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 775VMW-5-0822				Sample Time: 1750			

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS052-B2	Location ID: 775MW-6	Date: 8/24/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: B Pollard
EQUIPMENT	Pump Type/ID#:	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SV	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 58.35
	Total Well Depth (ft) (C): 78.50	Water Column Thickness (ft) (C-B): 20.15	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny 75°F	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/24/22	1640	59.11	2	400	19.08	6.66	2.02	5.44	863	94	Brown & Cloudy
8/24/22	1645	59.11	4	400	20.68	6.61	2.14	4.93	432	38	Cloudy
8/24/22	1650	59.11	6	400	20.44	6.62	2.09	5.00	229	59	Cloudy
8/24/22	1655	59.11	8	400	20.09	6.62	2.07	5.02	129	73	Cloudy
8/24/22	1700	59.11	10	400	20.00	6.62	2.07	4.95	86.2	83	Cloudy
8/24/22	1705	59.11	12	400	19.95	6.61	2.09	4.79	48.3	88	Cloudy
8/24/22	1710	59.11	14	400	19.80	6.62	2.12	4.74	10.2	87	~~Clo~~, None
8/24/22	1715	59.11	16	400	19.85	6.62	2.10	4.72	9.2	86	None
8/24/22	1720	59.11	18	400	19.81	6.62	2.11	4.71	9.3	86	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	9	40mL	Vial	HCl		8260D(A)	VOCs

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

Sample ID: 775MW-6-0822 — Sample Time: 1725

775MW-6-0822-MS
775MW-6-0822-SD

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: 80052-02	Location ID: 775VMW-8	Date: 08/24/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: Grundfos Sub	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in):	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 59.45
	Total Well Depth (ft) (C): 77.55 ft	Water Column Thickness (ft) (C-B): 18.1 ft	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: 75°F; Sunny	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/24/22	1600	60.0	0.52	400	19.24	6.83	3.69	4.27	143	48	Cloudy
08/24/22	1605	60.0	1.04	400	19.78	6.87	3.58	4.20	136	55	Cloudy
08/24/22	1610	60.0	1.56	400	20.09	6.88	3.46	4.30	43.5	61	None
08/24/22	1615	60.05	2.08	400	20.30	6.88	3.38	4.32	20.4	62	None
08/24/22	1620	60.05	2.60	400	20.40	6.89	3.30	3.94	6.5	64	None
08/24/22	1625	60.05	3.12	400	20.82	6.90	3.16	3.91	0	67	None
08/24/22	1630	60.05	3.64	400	20.98	6.90	3.12	3.89	0	69	None
~~08/24/22~~	~~1635~~		~~4.16~~	~~400~~	→ NB						

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	Glass Vial	HCL	N	8260D(M	

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 775VMW-8-0822				Sample Time: 1635		

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-02	Location ID: 775VMW-9	Date: 8/24/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: BPollard
EQUIPMENT	Pump Type/ID#: Grundfos Submersible	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 57.05
	Total Well Depth (ft) (C): 97.75	Water Column Thickness (ft) (C-B): 40.70	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny 75°F	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/24/22	1440	56.65	1.5	300	23.09	6.73	1.36	5.25	124	102	Cloudy
8/24/22	1445	56.70	3	300	21.25	6.72	1.42	1.35	120	97	Cloudy
8/24/22	1450	56.70	4.5	300	20.17	6.70	1.40	0.92	118	88	Cloudy
8/24/22	1455	56.70	6	300	19.26	6.67	1.37	0.87	87.0	71	None
8/24/22	1500	56.70	7.5	300	19.23	6.68	1.36	0.83	50.8	63	None
8/24/22	1505	56.70	9	300	19.33	6.67	1.32	0.78	39.3	62	None
8/24/22	1510	56.70	11	400	18.97	6.67	1.26	0.75	26.3	~~58~~ 46	None
8/24/22	1515	56.70	13	400	19.01	6.68	1.22	0.71	15.2	44	None
8/24/22	1520	56.70	15	400	19.09	6.69	1.22	0.69	9.5	42	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	6	40mL	Vial	HCl		8260D(A)	VOCs

Conversions	Stabilization Criteria					
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%		
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%		
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 775VMW-9-0822	Sample Time: 1525

775VMW-9-A-0822

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-02	Location ID: ~~775VMW-10~~ MB 775VMW-10	Date: 08/24/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: Grundfos Sub	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in):	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 59.45ft
	Total Well Depth (ft) (C): 103.0 ft	Water Column Thickness (ft) (C-B): 43.55 ft	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: 75°F, Sunny	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/24/22	1445	59.55	0.52	400	16.18	6.94	1.55	7.17	781	60	Very Cloudy
08/24/22	1450	59.55	1.04	400	16.51	6.91	1.60	6.88	656	68	Very Cloudy
08/24/22	1455	59.55	1.56	400	16.50	6.91	1.64	6.74	514	72	Very Cloudy
08/24/22	1500	59.55	2.08	400	16.78	6.91	1.65	6.71	405	78	Very Cloudy
08/24/22	1505	59.55	2.60	400	16.98	6.93	1.65	6.64	328	81	Very Cloudy
08/24/22	1510	59.55	3.12	400	16.72	6.93	1.65	6.70	285	86	Very Cloudy
08/24/22	1515	59.55	3.64	400	16.91	6.93	1.65	6.55	272	88	Very Cloudy
08/24/22	1520	59.55	4.16	400	16.86	6.93	1.66	6.64	276	92	Very Cloudy

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	Glass vial	HCL	N	8260D(LL)	

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: 775VMW-10-0822				Sample Time: 1525		

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: 50052-02	Location ID: 775VMW-20	Date: 08/24/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: Groundfos Sub	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in):	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 63.45 ft
	Total Well Depth (ft) (C): 123.25 ft	Water Column Thickness (ft) (C-B): 59.8 ft	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny, 75°F	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/24/22	1225	63.55	0.52	400	15.17	6.53	1.35	14.22	143	42	None
08/24/22	1230	63.55	1.04	400	14.65	6.62	2.96	2.72	86.0	-8	None
08/24/22	1235	63.55	1.56	400	15.48	6.68	2.93	2.03	53.1	-23	None
08/24/22	1240	63.55	2.08	400	15.73	6.72	2.92	1.61	34.5	-33	None
08/24/22	1245	63.55	2.60	400	15.91	6.74	2.93	1.39	26.5	-40	None
08/24/22	1250	63.55	3.12	400	15.89	6.78	2.94	1.19	20.9	-45	None
08/24/22	1255	63.55	3.64	400	16.01	6.80	2.95	0.97	17.0	-50	None
08/24/22	1300	63.55	4.16	400	16.04	6.81	2.96	0.88	14.6	-54	None
08/24/22	1305	63.55	4.68	400	16.16	6.82	2.97	0.88	13.9	-57	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Conversions	**Stabilization Criteria**			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	Glass vial	HCL	N	8260D(A)	

Sample ID: 775VMW-20-0822 Sample Time: 1315

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site:			Location ID: 775VMW-20						Date: 8/24/22		
	Project Name: Former Griffiss AFB			Project No./Phase: -						Recorded By: NB		
EQUIPMENT	Pump Type/ID#:			Water Quality Meter/ID#: Horiba U-52						PID Type/ID#: -		
	Water Level Indicator Type/ID#: Solinst			Other Equipment/ID#: -						Decon Method: Water, Simple Green		
	Tubing Type/Diameter (in): -			Other Equipment/ID#: -						PPE: Level D		
WELL INFO	Casing Type / ID (in):			Unit Casing Volume (gal/lin ft) (A): -						Initial Depth to Water (ft) (B):		
	Total Well Depth (ft) (C):			Water Column Thickness (ft) (C-B):						Well Volume (gal) (A*(C-B)): -		
	Ambient PID (ppm): -			Well Mouth PID (ppm): -						System Volume (gal): -		
	Weather:			Well Condition:						Comments:		

SAME

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/24/22	1310	63.55	5.2	400	16.23	6.84	2.97	0.90	13.7	-60	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units							

SAME

Conversions	Stabilization Criteria									
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%						
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%						
	Cond	+/- 10%	ORP	+/- 10	Sample ID:			Sample Time:		

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: 50052-02	Location ID: 775VMW-20R	Date: 8/24/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By:
EQUIPMENT	Pump Type/ID#:	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in):	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B):
	Total Well Depth (ft) (C):	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather:	Well Condition:	Comments: Could not open locks

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)

Colorimeter Results					**No. Containers/Volume/Type**			**Preserv.**	**Filter (Y/N)**	**Method**	**Parameter(s)**
Time	**Analyte**	**Dilution**	**Result**	**Units**							
Conversions	**Stabilization Criteria**										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID:				Sample Time:		

APPENDIX B-3 SD052-04 LANDFILL 6 TCE SITE SAMPLING LOGS

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-4	Location ID: LF6MW-12 ~~0822 SP~~	Date: 8/26/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: B Pollard
EQUIPMENT	Pump Type/ID#: PolPump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 4.21
	Total Well Depth (ft) (C): 53.24	Water Column Thickness (ft) (C-B): 49.03	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny 75°F	Well Condition: Good	Comments:

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/26/22	1350	4.25	1.5	300	15.10	6.49	0.912	0.96	30.3	-72	None
8/26/22	1355	4.25	3	300	14.82	6.47	0.903	0.77	20.0	-73	None
8/26/22	1400	4.25	4.5	300	14.21	6.35	0.885	0.39	6.6	-91	None
8/26/22	1405	4.25	6	300	14.11	6.31	0.883	0.35	5.9	-95	None
8/26/22	1410	4.25	7.5	300	14.11	6.30	0.881	0.31	4.3	-100	None
8/26/22	1415	4.25	9	300	14.07	6.29	0.881	0.29	2.0	-103	None
8/26/22	1420	4.25	10.5	300	14.05	6.28	0.881	0.28	3.1	-108	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOCs
					2	40 mL	~~Glass Vial~~ VOA	HCl	N	9060A	DOC
					1	125 mL	Plastic	None	N	9056	SO4
					3	40 mL	Glass Vial	HCl	N	RSK175	MEE

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: LF6MW-12-0822				Sample Time: 1425		

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-4	Location ID: LF6MW-16	Date: 8/29/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: B. Pollard
EQUIPMENT	Pump Type/ID#: Peripump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SO	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 4.05
	Total Well Depth (ft) (C): 49.10	Water Column Thickness (ft) (C-B): 45.05	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny 80°F	Well Condition: Good	Comments: None (Field Dup)

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/29/22	1045	4.07	2	400	15.98	6.32	0.905	1.89	3.9	-112	None
8/29/22	1050	4.07	4	400	14.86	6.26	0.939	1.20	0	-111	None
8/29/22	1056	"	6	"	14.39	6.26	0.941	0.95	0	-114	None
8/29/22	~~10~~ 1100	"	8	"	14.02	6.26	0.944	0.94	0	-117	None
8/29/22	1105	"	10	"	13.91	6.22	0.944	0.94	3.3	-118	None
8/29/22	1110	"	12	"	13.87	6.22	0.942	0.94	5.1	-120	None
8/29/22	1115	"	14	"	13.77	6.21	0.941	0.94	4.3	-121	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
6	40mL	Glass Vial	HCl	N	8260D	VOCs
4	40mL	Amber Vial	HCl	N	9060A	DOC
2	125mL	Plastic	None	N	9056	SO4
6	40mL	Glass Vial	HCl	N	RSK175	MEE

Conversions

1 L = 0.26 gals

1 gal = 3.79 L

Stabilization Criteria

Temp	+/- 10%	DO	+/- 10%
pH	+/- 0.1	Turb	+/- 10%
Cond	+/- 10%	ORP	+/- 10

Sample ID: LF6MW-16-0822

LF6MW-16-0822-A

Sample Time: 1120

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-4	Location ID: LF6MW-17	Date: 8/29/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By:
EQUIPMENT	Pump Type/ID#: Peripump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 4.58
	Total Well Depth (ft) (C): 56.67	Water Column Thickness (ft) (C-B): 52.09	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny 85°F	Well Condition: Good	Comments: None

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ LITERS	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/29/22	1300	4.61	1.5	300	19.50	6.51	0.778	1.82	7.4	26	None
8/29/22	1305	4.63	3	300	18.14	6.48	0.778	0.75	0	20	None
8/29/22	1310	4.63	4.5	300	17.55	6.46	0.784	0.55	1.2	13	None
8/29/22	1315	4.63	6	300	17.71	6.45	0.780	0.44	0.9	9	None
8/29/22	1320	"	7.5	300	17.81	6.44	0.783	0.37	0	5	None
8/29/22	1325	"	9	300	17.74	6.43	0.786	0.35	0	1	None
8/29/22	1330	"	10.5	300	17.83	6.43	0.786	0.33	0	-1	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Conversions	**Stabilization Criteria**			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40mL	Glass Vial	HCl	N	8260D	VOCs
2	40mL	Amber Vial	HCl	N	9060A	DOC
1	125mL	Plastic	None	N	9056	SO4
3	40mL	Glass Vial	HCl	N	RSK175	MEE

Sample ID: LF6MW-17-0822 Sample Time: 1335

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-4	Location ID: LF6MW-20	Date: 8/29/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: B Pollard
EQUIPMENT	Pump Type/ID#: Peripump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SO	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 3.98
	Total Well Depth (ft) (C): 52.91	Water Column Thickness (ft) (C-B): 48.93	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny 85°F	Well Condition: Good	Comments: None

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/29/22	1200	3.99	2	400	18.78	6.36	0.788	0.93	25.2	-13	None
8/29/22	1205	3.99	4	400	18.30	6.36	0.790	0.60	17.4	-39	None
8/29/22	1210	3.99	6	400	17.18	6.42	0.805	0.47	37.0	-70	None
8/29/22	1215	3.99	8	400	16.86	6.44	0.806	0.39	10.2	-81	None
8/29/22	1220	3.99	10	400	16.74	6.44	0.808	0.38	9.2	-84	None
8/29/22	1225	3.99	12	400	16.79	6.45	0.810	0.34	7.2	-88	None
8/29/22	1230	3.99	14	400	16.82	6.45	0.810	0.33	6.9	-88	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Conversions	**Stabilization Criteria**			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40mL	Glass Vial	HCl	N	8260D	VOCs
2	40mL	Amber Vial	HCl	N	9060A	DOC
1	125mL	Plastic	None	N	9056	SO4
3	40mL	Glass Vial	HCl	N	RSK175	MEE

Sample ID: LF6MW-20-0822 Sample Time: 1235

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-04	Location ID: LFC6MW-39	Date: 08/26/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: Geopump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 6.55 ft
	Total Well Depth (ft) (C): 32.0 ft	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny, 70°F	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/26/22	1020	6.55	0.26	200	13.51	6.60	0.172	5.44	81.5	36	None
08/26/22	1025	6.55	0.52	200	12.49	6.83	0.331	1.51	105	19	None
08/26/22	1030	6.55	0.78	200	13.12	6.92	0.363	0.62	144	8	None
08/26/22	1035	6.60	1.04	200	12.37	6.84	0.537	0.48	78.4	-11	None
08/26/22	1040	6.60	1.30	200	12.00	6.84	0.589	0.43	46.2	-29	None
08/26/22	1045	6.60	1.56	200	11.70	6.89	0.580	0.38	28.3	-47	None
08/26/22	1050	6.60	1.82	200	11.62	6.91	0.567	0.36	20.5	-54	None
08/26/22	1055	6.60	2.08	200	11.60	6.95	0.557	0.34	15.5	-60	None
08/26/22	1100	6.60	2.34	200	11.63	6.93	0.551	0.32	12.5	-64	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40mL	Glass Vial	HCl	N	8260D	VOC's
					3	40mL	Glass Vial	HCl	N	125K.175	MEE
					2	40mL	Amber Vial	HCl	N	9060A	DOC
					1	125mL	Plastic	None	N	9056	Sulfate

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

Sample ID: LFC6MW-39-0822 Sample Time: 1115

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site:	Location ID: LF6MW-39	Date: 08/26/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By:
EQUIPMENT	Pump Type/ID#:	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in):	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B):
	Total Well Depth (ft) (C):	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather:	Well Condition:	Comments:

← SAME → ↓

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/26/22	1105	6.60	2.60	200	11.64	6.98	0.541	0.31	6.5	-71	None
8/26/22	1110	6.60	2.86	200	11.60	6.97	0.538	0.31	1.7	-74	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units							

← SAME → ↓

Conversions	Stabilization Criteria									
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%						
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%						
	Cond	+/- 10%	ORP	+/- 10	Sample ID:				Sample Time:		

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-4	Location ID: LF06SW-1PM	Date: 8/26/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By:
EQUIPMENT	Pump Type/ID#: -	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): -	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B):
	Total Well Depth (ft) (C):	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: light Rain 70°F	Well Condition: -	Comments: - Surface Water

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/26/22	1000	-	-	-	18.50	6.11	1.25	5.68	37.5	104	None

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40mL	Glass Vial	HCl	N		VOCs
2	40mL	Amber Vial	HCl	N		DOC
1	125mL	Plastic	None	N		SO4
3	40mL	Glass Vial	HCl	N		MEE

Sample ID: LF06SW-1PM-0822 Sample Time: 1000

tell

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-04	Location ID: LFGVMW-13R	Date: 08/26/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: Geopump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SCH	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 1.8 ft
	Total Well Depth (ft) (C): 37.7 ft	Water Column Thickness (ft) (C-B): 35.9 ft	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: 70°F, Cloudy	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/26/22	750	1.8	0.26	200	13.30	6.29	1.03	2.50	675	205	Very Cloudy
08/26/22	755	1.8	0.52	200	12.60	6.42	1.01	1.17	866	136	Very Cloudy
08/26/22	800	1.8	0.78	200	12.25	6.49	1.01	0.99	937	76	Very Cloudy
08/26/22	805	1.8	1.04	200	12.12	6.54	1.01	0.66	6662	26	Very Cloudy
08/26/22	810	1.8	1.30	200	11.99	6.57	1.01	0.69	474	2	Very Cloudy
08/26/22	815	1.8	1.56	200	11.90	6.61	1.01	0.48	301	-16	Very Cloudy
08/26/22	820	1.8	1.82	200	11.98	6.63	1.01	0.47	231	-27	very Cloudy
08/26/22	825	1.8	2.08	200	11.98	6.68	0.997	0.48	223	-37	Cloudy
08/26/22	830	1.8	2.34	200	12.02	6.70	0.992	0.47	182	-44	Cloudy

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOC's
					3	40 mL	Glass Vial	HCl	N	RSK175	MEE
					2	40 mL	Amber Vial	HCl	N	9060A	DOC
					1	125 mL	Plastic	None	N	9056	Sulfate

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

Sample ID: LFGVMW-13R-0822 Sample Time: 930

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site:	Location ID: LF6VMW-13R	Date: 8/26/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By:
EQUIPMENT	Pump Type/ID#:	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in):	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B):
	Total Well Depth (ft) (C):	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather:	Well Condition:	Comments:

SAME

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/26/22	0845	1.8	3.12	200	11.70	6.80	0.977	0.31	38.4	-74	None
	0850	1.8	3.38	200	11.77	6.82	0.968	0.31	38.6	-77	None
	0855	1.8	3.64	200	11.75	6.83	0.967	0.31	31.9	-80	None
	0900	1.8	3.90	200	11.76	6.84	0.965	0.31	27.6	-83	None
	0905	1.8	4.16	200	11.71	6.85	0.965	0.30	26.8	-86	None
	0910	1.8	4.42	200	11.77	6.86	0.960	0.30	19.9	-88	None
	0915	1.8	4.68	200	11.55	6.85	0.963	0.30	15.0	-90	None
	0920	1.8	4.94	200	11.65	6.88	0.959	0.28	14.9	-93	None
	0925	1.8	5.20	200	11.50	6.86	0.961	0.28	14.6	-94	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

No. Containers/Volume/Type			**Preserv.**	**Filter (Y/N)**	**Method**	**Parameter(s)**

SAME

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

Sample ID:

Sample Time: 0930

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-4	Location ID: LFGMW-13RD	Date: 8/26/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: B Pollard
EQUIPMENT	Pump Type/ID#: Peripump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 1.30
	Total Well Depth (ft) (C): 41.13	Water Column Thickness (ft) (C-B): 39.83	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Cloudy 70°F	Well Condition: Good	Comments: None

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/26/22	0805	1.62	2	400	15.02	5.27	1.12	1.34	382	166	Brown & murky
	0810	1.64	4	400	13.70	5.77	1.12	0.76	217	86	brown & murky
	0815	1.64	6	400	13.57	5.87	1.12	0.67	184	54	Cloudy
	0820	1.64	8	400	13.51	5.98	1.12	0.58	160	16	Cloudy
	0825	1.64	10	400	13.30	6.07	1.12	0.45	127	-13	None
	0830	1.64	12	400	13.10	6.18	1.13	0.43	125	-20	None
↓	0835	1.64	14	400	13.05	6.21	1.12	0.41	130	-21	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOCs
					2	40mL	Amber Vial	HCl	N	9060A	DOC
					1	125 mL	Plastic	None	N	9056	SO4
					3	40mL	Glass Vial	HCl	N	RSK175	MEE

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: LFGVMW-13RD-0822				Sample Time: 0840		

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-4	Location ID: WL-LF6TW-33	Date: 8/29/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: BRollard
EQUIPMENT	Pump Type/ID#: Peristaltic Pump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 1" SV	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 5.99
	Total Well Depth (ft) (C): 42.39	Water Column Thickness (ft) (C-B): 36.40	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny 80°F	Well Condition: Good	Comments: Older VOC bottles used

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/29/22	0905	5.99	1.5	300	21.30	7.19	0.670	1.14	19.4	-47	None
8/29/22	0910	5.99	3	300	20.71	7.23	0.699	0.91	30.3	-60	None
8/29/22	0915	5.99	4.5	300	18.14	7.17	0.772	0.70	57.9	-72	None
8/29/22	0920	5.99	6	300	16.20	6.88	0.819	0.50	78.9	-81	None
8/29/22	0925	5.99	7.5	300	16.05	6.80	0.823	0.46	74.4	-84	None
8/29/22	0930	5.99	9	300	15.50	6.72	0.830	0.44	82.9	-86	None
8/29/22	0935	5.99	10.5	300	15.12	6.61	0.831	0.42	11.3	-94	None
8/29/22	0940	5.99	12	300	15.06	6.57	0.829	0.42	6.1	-97	None
8/29/22	0945	5.99	13.5	300	15.06	6.56	0.829	0.42	2.8	-99	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Conversions	**Stabilization Criteria**			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
9	40mL	Glass Vial	HCl	N	8260D	VOCs
3	40mL	Amber Vial	HCl	N	9060A	DOC
3	125mL	Plastic	None	N	9056	SO4
9	40mL	Glass Vial	HCl	N	RSK175	MEE

Sample ID: WL-LF6TW-33-0822
WL-LF6TW-33-0822-MS
WL-LF6TW-33-0822-SD

Sample Time: 0950

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052	Location ID: WL-LF6TW-34-0822	Date: 8/29/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: BPollard
EQUIPMENT	Pump Type/ID#: Peripump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 1" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 5.60
	Total Well Depth (ft) (C): 55.66	Water Column Thickness (ft) (C-B): 50.06	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny 90°F	Well Condition: Good	Comments: None

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/29/22	1400	5.60	1.5	300	22.13	6.46	0.805	1.54	16.0	22	None
"	1405	"	3	"	21.22	6.47	0.814	0.80	6.0	1	None
"	1410	"	4.5	"	18.42	6.38	0.870	0.44	2.2	-22	None
"	1415	"	6	"	18.12	6.35	0.891	0.39	0.6	-27	None
"	1420	"	7.5	"	18.02	6.34	0.900	0.36	2.4	-31	None
"	1425	"	9	"	17.69	6.33	0.907	0.33	1.5	-36	None
"	1430	"	10.5	"	17.49	6.33	0.910	0.32	2.1	-38	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Conversions	**Stabilization Criteria**			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

No. Containers/Volume/Type			**Preserv.**	**Filter (Y/N)**	**Method**	**Parameter(s)**
3	40mL	Glass Vial	HCl	N	8260D	VOCs
2	40mL	Amber Vial	HCl	N	9060A	DOC
1	125mL	Plastic	None	N	9056	SO4
3	40ml	Glass Vial	HCl	N	RSK175	MEE

Sample ID: ~~WL-LF6MW-~~ WL-LF6TW-34-0822

Sample Time: 1435

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-OU	Location ID: WL-LFGTW-35	Date: 08/26/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: Geopump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 1" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): ~~8.1 ft~~ NB 5.35 ft
	Total Well Depth (ft) (C): NB ~~47.3 ft~~ 47.7 ft	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: 75°F, Sunny	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/26/22	~~1350~~ NB 1350	5.35	0.26	200	13.33	6.68	1.16	1.12	125	78	None
08/26/22	1355	5.35	0.52	200	12.89	6.62	1.20	0.51	74.5	66	None
08/26/22	1400	5.35	0.78	200	12.76	6.59	1.21	0.43	37.6	56	None
08/26/22	1405	5.35	1.04	200	12.72	6.56	1.22	0.41	20.1	51	None
08/26/22	1410	5.35	1.30	200	12.64	6.55	1.22	0.38	6.5	46	None
08/26/22	1415	5.35	1.56	200	12.70	6.54	1.22	0.38	0.0	42	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	5	40 mL	Glass Vial	HCl	N	8260D	VOC's
					3	40 mL	Glass Vial	HCl	N	RSK175	MEE
					2	40 mL	Amber Vial	HCl	N	9060A	Doc
					1	125 mL	Plastic	None	N	9056	Sulfate

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

Sample ID: WL-LFGTW-35-0822 Sample Time: 1420

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-4	Location ID: WL-LF6TW-36	Date: 8/26/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By:
EQUIPMENT	Pump Type/ID#: Peripump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 1" SD	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 5.39
	Total Well Depth (ft) (C): 57.84	Water Column Thickness (ft) (C-B): 52.45	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny 75°F	Well Condition: Good	Comments: None

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/26/22	1155	5.39	1.5	300	15.92	7.26	0.969	1.41	27.9	88	None
8/26/22	1200	5.39	3	300	15.33	7.21	1.02	0.82	19.2	85	None
8/26/22	1205	5.39	4.5	300	15.00	7.11	1.05	0.55	14.2	84	None
8/26/22	1210	5.39	6	300	14.83	6.97	1.06	0.42	13.9	81	None
8/26/22	1215	5.39	7.5	300	14.61	6.93	1.06	0.40	11.9	79	None
8/26/22	1220	5.39	9	300	14.64	6.90	1.06	0.39	10.9	78	None
8/26/22	1225	5.39	10.5	300	14.61	6.85	1.07	0.37	9.8	76	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Conversions	**Stabilization Criteria**			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40mL	Glass Vial	HCl	N	8260D	VOCs
2	40mL	Amber Vial	HCl	N	9060A	DOC
1	125mL	Plastic	None	N	9056	SO_4
3	40mL	Glass Vial	HCl	N	RSK175	ME

Sample ID: WL-LF6TW-36-0822 Sample Time: 1230

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-04	Location ID: WL-LFCTW-38	Date: 08/26/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: Geopump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 1" SV	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 7.0ft
	Total Well Depth (ft) (C): 57.3 ft	Water Column Thickness (ft) (C-B): 50.3 ft	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny, 70°F	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/26/22	1145	7.0	0.26	200	13.25	6.71	0.577	3.53	79.3	48	None
08/26/22	1150	7.0	0.52	200	12.86	6.56	2.12	1.23	61.8	39	None
08/26/22	1155	7.0	0.78	200	12.87	6.60	1.17	0.68	54.9	30	None
08/26/22	1200	7.0	1.04	200	12.80	6.61	1.19	0.52	54.2	24	None
08/26/22	1205	7.0	1.30	200	12.83	6.63	1.20	0.45	52.1	21	None
08/26/22	1210	7.0	1.56	200	12.69	6.65	1.20	0.43	43.0	18	None
08/26/22	1215	7.0	1.82	200	12.69	6.66	1.21	0.40	37.8	17	None
08/26/22	1220	7.0	2.08	200	12.74	6.67	1.21	0.33	38.0	16	None
08/26/22	1225	7.0	2.34	200	12.73	6.67	1.21	0.31	34.8	15	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Conversions	**Stabilization Criteria**			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

No. Containers	Volume	Type	Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 mL	Glass Vial	HCl	N	8260D	VOCs
3	40 mL	Glass Vial	HCl	N	RSK175	MEE
2	40 mL	Amber Vial	HCl	N	9060A	DOC
1	125 mL	Plastic	None	N	9056	Sulfate

Sample ID: WL-LFCTW-38-0822 Sample Time: 1245

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site:	Location ID: WL-LF6TW-38	Date: 8/26/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By:
EQUIPMENT	Pump Type/ID#:	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: - ← SAME	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: - →	PPE: Level D
WELL INFO	Casing Type / ID (in):	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B):
	Total Well Depth (ft) (C):	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): - ↓	System Volume (gal): -
	Weather:	Well Condition:	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/26/22	1230	7.0	2.60	200	12.80	6.68	1.21	0.30	31.6	15	None
8/26/22	1235	7.0	2.86	200	12.73	6.69	1.21	0.30	31.4	14	None

Colorimeter Results					**No. Containers/Volume/Type**			**Preserv.**	**Filter (Y/N)**	**Method**	**Parameter(s)**
Time	**Analyte**	**Dilution**	**Result**	**Units**							
							← SAME		→		
Conversions	**Stabilization Criteria**										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID:				Sample Time:		

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-4	Location ID: WL-LF6VMW-26	Date: 8/26/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: B Pollard
EQUIPMENT	Pump Type/ID#: Peripump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 4.89
	Total Well Depth (ft) (C): 55.61	Water Column Thickness (ft) (C-B): 50.72	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Cloudy 70°F	Well Condition: Good	Comments: None

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/26/22	1055	4.91	1.5	300	15.09	6.86	0.744	7.08	21.9	76	None
8/26/22	1100	4.90	3	300	14.12	7.06	0.715	6.43	13.9	74	None
8/26/22	1105	4.90	4.5	300	13.56	7.33	0.710	6.02	10.0	73	None
8/26/22	1110	4.90	6	300	13.54	7.37	0.711	6.02	12.2	72	None
8/26/22	1115	4.90	7.5	300	13.50	7.45	0.713	5.98	13.7	71	None
8/26/22	1120	4.90	9	300	13.43	7.51	0.715	5.97	11.5	70	None
8/26/22	1125	4.90	10.5	300	13.36	7.56	0.718	5.95	13.3	70	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Conversions	**Stabilization Criteria**			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40mL	Glass Vial	HCl	N	8260D	VOCs
2	40mL	Amber Vial	HCl	N	9060A	DOC
1	125mL	Plastic	None	N	9056	SO4
3	40mL	Glass Vial	HCl	N	RSK175	MEE

Sample ID: WL-LF6VMW-26-0822 Sample Time: 1130

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APPENDIX B-4 SD052-05 BUILDING 817/WSA SITE SAMPLING LOGS

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bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-05	Location ID: B817-MW-002	Date: 08/25/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: Geopump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 1" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 11.55 ft
	Total Well Depth (ft) (C): 18.45	Water Column Thickness (ft) (C-B): 6.9 ft	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Cloudy, 65°F	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/25/22	750	11.55	0.26	200	15.52	5.81	0.409	0.78	7.1	34	None
08/25/22	755	11.55	0.52	200	15.02	5.84	0.413	0.48	0.0	22	None
08/25/22	800	11.55	0.78	200	14.97	5.84	0.416	0.44	0.0	17	None
08/25/22	805	11.55	1.04	200	14.90	5.82	0.421	0.40	0.0	14	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	Glass Vial	HCL	N	8260D	VOCs
					3	40 ml	Glass Vial	HCL	N	RSK175	MEE
					2	40 ml	Amber Vial	HCL	N	9060A	DOC
					1	125 ml	Plastic	None	N	9056	SO4

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: B817-MW-002-0822				Sample Time: 815		

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-5	Location ID: B817-MW-003	Date: 8/25/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: B Pollard
EQUIPMENT	Pump Type/ID#: Peripump (Geopump)	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 1" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 10.55
	Total Well Depth (ft) (C): 20.88	Water Column Thickness (ft) (C-B): 10.33	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny 70°F	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/25/22	0820	10.55	~~0.5~~ 1	200	18.19	5.38	0.326	0.88	243	107	None
8/25/22	0825		2	200	18.14	5.55	0.321	0.63	73.3	36	None
8/25/22	0830		3	200	18.02	5.70	0.321	0.55	56.2	2	None
8/25/22	0835		4	200	17.82	5.78	0.322	0.50	30.0	-20	None
8/25/22	0840		5	200	17.56	5.84	0.324	0.54	20.3	-41	None
8/25/22	0845		6	200	17.40	5.92	0.324	0.40	1.9	-68	None
8/25/22	0850		8	200	17.22	5.97	0.325	0.44	0	-82	None
8/25/22	0855		10	200	16.88	6.07	0.327	0.50	0	-90	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Conversions	**Stabilization Criteria**			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40mL	Vial	HCl		8260D	VOCs
2	40mL	Amber Vial	HCl		9060A	DOC
1	125mL	Plastic			9056	Sulfate
3	4mL	Vial	HCl		RSK175	MEE

Sample ID: B817-MW-003-0822 Sample Time: 0900

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-5	Location ID: WSA-MW16 ~~88~~	Date: 8/25/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: B Pollard
EQUIPMENT	Pump Type/ID#: Peri Pump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 4.80
	Total Well Depth (ft) (C): 22.25	Water Column Thickness (ft) (C-B): 17.45	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Partly Cloudy 70°F	Well Condition: Good	Comments: Field Dup

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/25/22	0940	4.83	1.5	300	18.72	6.24	0.421	0.98	373	-31	None
"	0945	4.83	3	300	18.66	6.22	0.431	0.72	341	-50	None
"	0950	4.83	4.5	300	18.57	6.17	0.444	0.62	245	-60	None
	0955	"	6	"	18.51	6.20	0.437	0.57	129	-74	None
	1000	"	7.5	"	18.56	6.24	0.434	0.55	107	-80	None
	1005	"	9	"	18.70	6.25	0.431	0.18	57.9	-84	None
	1010	"	10.5	"	18.80	6.29	0.425	0.25	44.7	-96	None
	1015	"	12	"	19.20	6.31	0.416	0.24	32.7	-95	None
	1020		13.5	"	19.50	6.31	0.418	0.27	30.1	-95	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	6	40 mL	Vial	HCl			VOCs
					4	40 mL	Amber Vial	HCl			DOC
					2	125mL	Plastic	None			SO4
					6	40 mL	Vial	HCl			MEE

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

Sample ID: WSA-MW16-0822 Sample Time: 1045

WSA-MW16-0822-A

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site:	Location ID: WSA-MW16	Date: 8/25/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By:
EQUIPMENT	Pump Type/ID#:	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): SAME	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B):
	Total Well Depth (ft) (C):	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather:	Well Condition:	Comments: ED

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/25/22	1025	4.83	15	300	19.80	6.29	0.413	0.36	11.0	-96	
"	1030	"	16.5	300	20.20	6.32	0.410	0.39	9.0	-99	
"	1035	"	18	300	20.31	6.30	0.405	0.41	7.3	-101	
"	1040	"	19.5	300	20.47	6.30	0.401	0.34	6.9	-105	

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units							
							SAME				

Conversions	Stabilization Criteria									
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%						
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%						
	Cond	+/- 10%	ORP	+/- 10	Sample ID: WSA-MW16-0822			Sample Time: 1045		

WSA-MW16-0822-1A

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-05	Location ID: WSA-MW18	Date: 08/25/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: Geo pump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 4" SV	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 7.9 ft
	Total Well Depth (ft) (C): 18.1 ft	Water Column Thickness (ft) (C-B): 10.2 ft	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: 65°F, Cloudy	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/25/22	910	7.9	0.26	200	14.39	6.41	0.241	1.55	99.2	-16	None
08/25/22	915	7.9	0.52	200	14.08	6.41	0.241	1.79	54.8	-19	None
08/25/22	920	7.9	0.78	200	13.92	6.42	0.242	1.95	31.5	-22	None
08/25/22	925	7.9	1.04	200	13.90	6.43	0.243	2.12	18.1	-24	None
08/25/22	930	7.9	1.30	200	13.88	6.44	0.244	2.19	13.0	-27	None
08/25/22	935	7.9	1.56	200	13.86	6.44	0.244	2.22	7.3	-29	None
08/25/22	940	7.9	1.82	200	13.87	6.43	0.245	2.22	5.0	-31	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Conversions	**Stabilization Criteria**			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

No. Containers	Volume	Type	Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 mL	Glass Vial	HCl	N	8260D	VOCs
3	40 mL	Glass Vial	HCl	N	RSK175	MEE
2	40 mL	Amber Vial	HCl	N	9060A	DOC
1	125 mL	Plastic	None	N	9056	SO4

Sample ID: WSA-MW18-0822

Sample Time: 945

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-05	Location ID: WSA-MW19	Date: 08/25/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: Geo pump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 11.9 ft
	Total Well Depth (ft) (C): 19.8 ft	Water Column Thickness (ft) (C-B): 7.9 ft.	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: 80°F, Sunny	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/25/22	1340	13.05	0.26	200	15.72	6.72	0.438	0.79	8.6	-13	None
08/25/22	1345	14.15	0.52	200	15.74	6.70	0.436	0.80	5.3	-15	None
08/25/22	1350	14.30	0.78	200	16.98	6.73	0.439	0.67	1.0	-19	None
08/25/22	1355	14.35	1.04	200	17.01	6.75	0.436	0.58	0.0	-23	None
08/25/22	1400	14.60	1.30	200	16.64	6.75	0.437	0.56	0.0	-26	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units							
					3	40 mL	Glass Vial	HCl	N	8260D	VOC's
					3	40 mL	Glass Vial	HCl	N	RSK175	MEE
					2	40 mL	Amber Vial	HCl	N	9060A	DOC
					1	125 mL	Plastic	None	N	9056	Sulfate

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: WSA-MW19-0822				Sample Time: 1410		

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-5	Location ID: ~~WSA-W-BP~~ WSA-MW21	Date: 8/25/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: B Pollard
EQUIPMENT	Pump Type/ID#: ~~2" SU-BP~~ Peripump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 20.69
	Total Well Depth (ft) (C): 27.07	Water Column Thickness (ft) (C-B): 7.38	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny 80°F	Well Condition: Good	Comments: MS/MSD

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE 8/25/22	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
~~1330~~ BP	1330	20.69	1.5	300	16.93	6.66	0.344	1.15	309	-66	None
"	1335	"	3	300	15.63	6.62	0.344	0.63	236	-114	None
"	1340	"	4.5	300	15.12	6.63	0.343	0.64	169	-126	None
"	1345	"	6	300	14.97	6.69	0.341	0.71	42.3	-139	None
"	1350	"	7.5	300	14.96	6.70	0.341	0.73	33.5	-142	None
"	1355	"	9	300	14.85	6.70	0.341	0.74	34.8	-145	None
"	1400	"	10.5	300	14.79	6.70	0.341	0.76	36.7	-145	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass vial	HCl	N	8260D	VOCs
					2	40 mL	Amber vial	HCl	N	9060A	DOC
					1	125 mL	Plastic	None	N	9056	SO4
					3	40 mL	Glass vial	HCl	N	RSK175	MEE

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: WSA-MW21-0822				Sample Time: 1405		

WSA-MW21-0822-MS
WSA-MW21-0822-SD

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-05	Location ID: WSA-MW23	Date: 08/25/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: Geo pump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 23.05 ft
	Total Well Depth (ft) (C): 27.3 ft	Water Column Thickness (ft) (C-B): 4.25 ft	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny, 72°F	Well Condition: Good	Comments:

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/25/22	1045	23.05	0.26	200	13.12	6.84	0.331	1.61	103	20	None
08/25/22	1050	23.05	0.52	200	13.68	6.82	0.342	1.63	80.6	18	None
08/25/22	1055	23.25	0.78	200	13.24	6.83	0.347	1.54	29.1	15	None
08/25/22	1100	23.50	1.04	200	13.17	6.85	0.343	1.40	23.9	14	None
08/25/22	1105	23.80	1.30	200	13.26	6.87	0.339	1.22	7.4	11	None
08/25/22	1110	23.90	1.56	200	13.63	6.89	0.334	1.07	2.1	8	None
08/25/22	1115	23.95	1.82	200	13.77	6.90	0.330	0.96	0.0	5	None
08/25/22	1120	23.95	2.08	200	13.87	6.89	0.329	0.89	0.0	3	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass vial	HCl	N	8260D	VOCs
					3	40 mL	Glass Vial	HCl	N	RSK175	MEE
					2	40 mL	Amber Vial	HCl	N	9060A	DOC
					1	125 mL	Plastic	None	N	9056	Sulfate

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: WSA-MW23-0822				Sample Time: 1125		

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-5	Location ID: WSAMW-9 ~~-08~~ BP	Date: 8/25/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: BBollard
EQUIPMENT	Pump Type/ID#: Peripump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 6.22
	Total Well Depth (ft) (C): 9.80	Water Column Thickness (ft) (C-B): 3.58	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: ~~2" SU~~ BP Partly Cloudy	Well Condition: Good	Comments: —

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/25/22	1210	6.18	1.5	300	26.60	6.42	0.390	1.76	21.1	-3	None
8/25/22	1215	6.18	3	300	21.19	6.41	0.410	1.22	13.8	-28	None
8/25/22	1220	6.18	4.5	300	20.78	6.39	0.407	0.71	0	-37	None
"	1225	"	6	300	20.63	6.39	0.408	0.52	0	-43	None
"	1230	"	7.5	300	20.40	6.40	0.410	0.41	0	-53	None
"	1240	"	9	300	20.68	6.42	0.412	0.37	0	-60	None
"	1245	"	10.5	"	20.56	6.43	0.412	0.37	0	-63	None

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Conversions	**Stabilization Criteria**			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40mL	Glass Vial	HCl	N	8260D	VOCs
2	40mL	Amber Vial	HCl	N	9060A	DOC
1	125mL	Plastic	None	N	9056	SO4
3	40mL	Glass Vial	HCl	N	RSK175	MEE

Sample ID: WSAMW-9-0822 Sample Time: 1250

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SD052-05	Location ID: ~~WSA-MW21~~ NB WSA-VMW17	Date: 08/25/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: Geopump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SV	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 16.35 ft
	Total Well Depth (ft) (C): 27.9 ft	Water Column Thickness (ft) (C-B): 11.55 ft.	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Sunny; 80° F	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/25/22	1210	17.05	0.26	200	16.45	6.69	0.498	0.35	246	25	None
08/25/22	1215	17.30	0.52	200	15.56	6.54	0.502	0.27	196	14	None
08/25/22	1220	17.45	0.78	200	15.43	6.51	0.494	0.26	147	3	None
08/25/22	1225	17.50	1.04	200	14.77	6.49	0.497	0.25	118	-7	None
08/25/22	1230	17.50	1.30	200	14.92	6.51	0.484	0.23	92.8	-20	None
08/25/22	1235	17.50	1.56	200	14.72	6.49	0.473	0.22	73.5	-25	None
08/25/22	1240	17.60	1.82	200	14.90	6.51	0.449	0.21	47.0	-32	None
08/25/22	1245	17.60	2.08	200	14.71	6.51	0.433	0.20	42.5	-38	None
08/25/22	1250	17.60	2.34	200	15.13	6.49	0.423	0.19	31.0	-39	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 mL	Glass Vial	HCl	N	8260D	VOC's
					3	40 mL	Glass Vial	HCl	N	RSK175	MEE
					2	40 mL	Amber Vial	HCl	N	9060A	DOC
					1	125 mL	Plastic	None	N	9056	Sulfate

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: ~~WSA-MW21-0822~~ NB				Sample Time: 1320		

WSA-VMW17-0822

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GROUNDWATER SAMPLE COLLECTION FORM

17

LOCATION	Site: SD052-05	Location ID: WSA-MW21-NB	Date: 08/25/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By:
EQUIPMENT	Pump Type/ID#:	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in):	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B):
	Total Well Depth (ft) (C):	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather:	Well Condition:	Comments:

SAME

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/25/22	1255	17.60	2.60	200	15.54	6.51	0.424	0.18	28.0	-45	None
08/25/22	1300	17.60	2.86	200	16.06	6.52	0.405	0.18	19.3	-49	None
08/25/22	1305	17.60	3.12	200	15.55	6.53	0.410	0.18	20.5	-51	None
08/25/22	1310	17.60	3.38	200	16.50	6.55	0.396	0.17	20.8	-54	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units							
Conversions	**Stabilization Criteria**										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID:				Sample Time: 1320		

SAME

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APPENDIX B-5 SS062 AOC 9 WSA LANDFILL SAMPLING LOGS

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GROUNDWATER SAMPLE COLLECTION FORM

AOC9-MW07

LOCATION	Site: SS062	Location ID: ~~AOC9-MW17~~	Date: 08/23/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: Geopump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 4" ~~PVC~~ SU	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 4.05 ft
	Total Well Depth (ft) (C): ~~15.0 ft~~ 9.2 ft	Water Column Thickness (ft) (C-B): ~~0.95 ft~~ NB 5.15	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Cloudy 70°F	Well Condition: Good	Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/23/22	1030	4.15	0.26	200	19.74	6.66	0.423	3.25	827	60	Orange tint
08/23/22	1035	4.15	0.52	200	18.69	6.67	0.509	0.77	736	8	less orange tint
08/23/22	1040	4.15	0.78	200	17.95	6.67	0.533	0.57	675	-2	None. No orange tint
08/23/22	1045	4.15	1.04	200	17.23	6.68	0.566	0.49	557	-11	None
08/23/22	1050	4.15	1.30	200	17.06	6.69	0.572	0.48	523	-13	None
08/23/22	1055	4.2	1.56	200	16.31	6.70	0.588	0.50	18.5	-15	Bumped Horiba and turbidity plummeted
08/23/22	1100	4.25	1.82	200	16.11	6.70	0.588	0.45	44.0	-17	None
08/23/22	1105	4.25	2.08	200	16.03	6.71	0.591	0.45	22.3	-18	None
08/23/22	1110	4.25	2.34	200	15.96	6.71	0.591	0.43	10.2	-19	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	Glass Vial	HCL	N	8260D(A)	VOC's

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: AOC9-MW07-0822				Sample Time: 11:30		

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site:	Location ID: AOC9-MW07	Date:
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By:
EQUIPMENT	Pump Type/ID#:	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in):	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B):
	Total Well Depth (ft) (C):	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather:	Well Condition:	Comments:

← SAME →

↓

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/23/22	1115	4.25	2.6	200	15.91	6.70	0.592	0.44	3.3	-20	None
08/23/22	1120	4.25	2.86	200	15.87	6.71	0.594	0.41	3.6	-21	None
08/23/22	1125	4.25	3.12	200	15.77	6.70	0.600	0.40	3.1	-23	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units							
Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID:				Sample Time:		

← SAME →

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bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS062		Location ID: AOC9-MW14		Date: 8/23/22
	Project Name: Former Griffiss AFB		Project No./Phase: -		Recorded By: NB
EQUIPMENT	Pump Type/ID#: Geopump		Water Quality Meter/ID#: Horiba U-52		PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst		Other Equipment/ID#: -		Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -		Other Equipment/ID#: -		PPE: Level D
WELL INFO	Casing Type / ID (in): 4" PVC SU		Unit Casing Volume (gal/lin ft) (A): -		Initial Depth to Water (ft) (B): 13.9 ft
	Total Well Depth (ft) (C): ~~19.8 ft~~ NB 26.02		Water Column Thickness (ft) (C-B): ~~5.9 ft~~ NB 12.12		Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -		Well Mouth PID (ppm): -		System Volume (gal): -
	Weather: 70 Cloudy		Well Condition: Good		Comments:

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/23/22	725	13.9	NB ~~2~~ 0.26	200	17.72	5.69	0.540	1.53	65.8	20	None
08/23/22	730	13.9	0.52	200	17.16	5.83	0.562	1.12	65.4	-7	None
08/23/22	735	13.9	0.79	200	17.09	5.88	0.596	0.94	60.5	-21	None
08/23/22	740	13.9	1.05	200	16.47	5.94	0.629	0.85	59.1	-36	None
08/23/22	745	13.9	1.31	200	16.31	5.98	0.658	0.78	50.4	-46	None
08/23/22	750	13.9	1.57	200	15.69	6.01	0.692	0.72	50.9	-53	None
08/23/22	755	13.9	1.83	200	15.52	6.04	0.704	0.68	48.3	-58	None
08/23/22	800	13.9	2.09	200	15.41	6.06	0.719	0.63	48.0	-61	None
08/23/22	805	13.9	2.35	200	15.21	6.10	0.731	0.59	47.6	-66	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40mL	Glass Vial	HCl	N	8260D(M)	VOCs

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: AOC9-MW14-0822				Sample Time: 0810		

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SSOG2	Location ID: AOC9-MW15	Date: 08/23/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: NB
EQUIPMENT	Pump Type/ID#: Geopump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 4" ~~PVC~~ SV	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 2.8 ft
	Total Well Depth (ft) (C): ~~7.1 ft~~ NAD 14.52	Water Column Thickness (ft) (C-B): ~~4.3 ft~~ BSP 11.72	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: 70 Cloudy	Well Condition: Good	Comments:

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/23/22	900	2.8	0.26	200	20.61	6.37	0.280	8.08	28.5	-5	None
08/23/22	905	2.85	0.52	200	19.96	6.58	0.300	7.05	62.2	-3	None
08/23/22	910	2.85	0.78	200	19.18	6.48	0.449	3.13	83.1	-21	None
08/23/22	915	2.85	1.04	200	18.88	6.41	0.537	1.23	28.8	-52	None
08/23/22	920	2.85	1.30	200	18.69	6.39	0.548	0.83	16.7	-63	None
08/23/22	925	2.85	1.56	200	18.55	6.38	0.552	0.60	10.3	-73	None
08/23/22	930	2.85	1.82	200	18.45	6.37	0.551	0.49	6.4	-80	None
08/23/22	935	2.85	2.08	200	18.40	6.37	0.552	0.46	5.0	-84	None
08/23/22	940	2.85	2.34	200	18.38	6.36	0.554	0.42	3.9	-88	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40ml	Glass Vial	HCL	N	8260D(M)	VOC's

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: AOC9-MW15-0822				Sample Time: 955		

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site:	Location ID: AOC9-MW15	Date:
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By:
EQUIPMENT	Pump Type/ID#:	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: - ←SAME→	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in):	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B):
	Total Well Depth (ft) (C):	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather:	Well Condition:	Comments:

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
08/23/22	945	2.85	2.6	200	18.39	6.36	0.554	0.39	3.1	-91	None
08/23/22	950	2.85	2.86	200	18.32	6.36	0.553	0.37	3.0	-94	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3						
							←SAME→				
Conversions	**Stabilization Criteria**										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID:				Sample Time:		

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GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS062	Location ID: ~~AOC9-MW07~~ AOC9-MW17	Date: 8/23/22
	Project Name: Former Griffiss AFB	Project No /Phase: -	Recorded By: B Pollard
EQUIPMENT	Pump Type/ID#: Geopump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SV	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 3.80
	Total Well Depth (ft) (C): ~~4.09~~ 16.12	Water Column Thickness (ft) (C-B): ~~5.29~~ 12.32	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Cloudy 80°F	Well Condition: Good	Comments: None

CASING INFO	Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
	Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/23/22	0920	3.8	0.39	300	20.74	6.86	0.482	11.25	2.1	77	None
8/23/22	0925	3.8	~~0.39~~ 1.17	300	20.57	6.84	0.476	4.24	2.2	79	None
8/23/22	0930	3.8	~~0.39~~ 1.17	300	20.09	6.84	0.476	3.45	4.4	79	None
8/23/22	0935	3.8	~~0.39~~ 1.56	300	19.71	6.84	0.473	2.58	0.7	78	None
8/23/22	0940	3.8	~~0.39~~ 1.95	300	18.92	6.88	0.476	1.25	0	72	None
8/23/22	0945	3.8	~~0.39~~ 2.34	300	18.11	6.90	0.481	0.89	0	66	None
8/23/22	0945	3.8	~~0.~~ 2.73	300	17.99	6.90	0.482	0.93	0	64	None
8/23/22	0950	3.8	~~0.~~ 3.12	300	17.94	6.90	0.482	0.90	0	64	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	9	40mL	Glass Vial	HCl		8260D (A)	VOCs

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: ~~AOC-MW07-0822~~				Sample Time: 0955		

AOC9-MW17-0822
AOC9-MW17-0822-MS
AOC9-MW17-0822-SD

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS062	Location ID: AOC9-MW18	Date: 8/23/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: BPollard
EQUIPMENT	Pump Type/ID#: Geopump	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" SV	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 13.73
	Total Well Depth (ft) (C): ~~Ho.62~~ 21.55	Water Column Thickness (ft) (C-B): ~~3.88~~ 7.82	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Cloudy 80°F	Well Condition: Good	Comments: None

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/23/22	1105	13.73	1	200	20.60	6.46	0.337	1.73	5.4	37	
8/23/22	1110	13.73	2	200	20.31	6.44	0.337	1.33	6.7	35	
8/23/22	1115	13.73	3	200	19.86	6.41	0.331	0.91	5.8	30	
8/23/22	1120	13.73	4	200	19.37	6.45	0.326	0.76	3.3	24	
8/23/22	1125	13.73	5	200	19.47	6.45	0.324	0.70	1.1	19	
8/23/22	1130	13.73	6	200	19.48	6.46	0.322	0.66	0.9	17	
8/23/22	1135	13.73	7	200	19.40	6.46	0.323	0.65	0.7	15	

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%
	Cond	+/- 10%	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 mL	Glass Vial	HCl		8260D(A)	VOCs
Sample ID: AOC9-MW18-0822				Sample Time: 1140		

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: SS062	Location ID: AOC9-MW19	Date: 8/23/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: BP
EQUIPMENT	Pump Type/ID#: Peripump (Geopump)	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): 2" FM	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): 8.82
	Total Well Depth (ft) (C): ~~30.60~~ BP 20.17	Water Column Thickness (ft) (C-B): 11.35	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Cloudy 80°F	Well Condition: Good	Comments: Feild Duplicate

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(Gals)~~ Liters	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/23/22	0725		1.5	300	21.84	6.11	1.52	1.67	115	82	None
8/23/22	0730		3	300	21.77	6.18	1.67	0.97	102	52	None
8/23/22	0735		4.5	300	21.47	6.24	1.78	0.70	96.5	32	None
8/23/22	0740		6	300	21.27	6.26	1.79	0.62	92.1	27	None
8/23/22	0745		7.5	300	21.12	6.28	1.78	0.57	87.8	23	None
8/23/22	0750		9	300	20.94	6.30	1.75	0.54	84.1	20	None
8/23/22	0755		10.5	300	20.75	6.31	1.73	0.55	83.0	18	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	6	40mL	Glass Vial	HCl		8260D(A)	VOCs

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: AOC9-MW19-0822				Sample Time: 0800		

AOC9-MW19-0822-A

bhate

GROUNDWATER SAMPLE COLLECTION FORM

~~AOC9-SW02~~ AOC9-SW2PM

LOCATION	Site: SS062		Location ID: ~~AOC9-SW02~~ AOC9-SW2PM		Date: 8/23/22
	Project Name: Former Griffiss AFB		Project No./Phase: - NE BECOS Griffiss		Recorded By: BRolland
EQUIPMENT	Pump Type/ID#: None		Water Quality Meter/ID#: Horiba U-52		PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst		Other Equipment/ID#: -		Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -		Other Equipment/ID#: -		PPE: Level D
WELL INFO	Casing Type / ID (in): —		Unit Casing Volume (gal/lin ft) (A): -		Initial Depth to Water (ft) (B): —
	Total Well Depth (ft) (C): —		Water Column Thickness (ft) (C-B):		Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -		Well Mouth PID (ppm): -		System Volume (gal): -
	Weather: Cloudy		Well Condition: —		Comments: None

CASING INFO											
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/23/22	1250	—	—	—	23.62	6.53	0.355	11.34	8.5	82	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40mL	Glass Vial	HCl		8260D(A)	VOCs

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID: AOC9-SW2PM-0822				Sample Time: 1250		

bhate

GROUNDWATER SAMPLE COLLECTION FORM

LOCATION	Site: 35662	Location ID: AOC9-SW3PM	Date: 8/23/22
	Project Name: Former Griffiss AFB	Project No./Phase: -	Recorded By: B Pollard
EQUIPMENT	Pump Type/ID#: —	Water Quality Meter/ID#: Horiba U-52	PID Type/ID#: -
	Water Level Indicator Type/ID#: Solinst	Other Equipment/ID#: -	Decon Method: Water, Simple Green
	Tubing Type/Diameter (in): -	Other Equipment/ID#: -	PPE: Level D
WELL INFO	Casing Type / ID (in): —	Unit Casing Volume (gal/lin ft) (A): -	Initial Depth to Water (ft) (B): —
	Total Well Depth (ft) (C): —	Water Column Thickness (ft) (C-B):	Well Volume (gal) (A*(C-B)): -
	Ambient PID (ppm): -	Well Mouth PID (ppm): -	System Volume (gal): -
	Weather: Cloudy 80F	Well Condition: —	Comments: —

CASING INFO										
Casing ID (in)	0.5	0.75	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0
Unit Casing Volume (gal/lin ft)	0.016	0.020	0.043	0.103	0.160	0.378	0.652	1.03	1.48	2.57

DATE	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (Gals)	Pumping Rate (ml/min)	Temp (C)	pH	Cond (mS/cm)	DO (mg/l)	Turb (NTU)	ORP (mV)	Remarks (odor, clarity, etc.)
8/23/22	1310	—	—	—	23.04	6.79	0.347	9.08	17	72	None

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40mL	Glass Vial	HCl		8260D(A)	VOCs

Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 10%	DO	+/- 10%							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10%							
	Cond	+/- 10%	ORP	+/- 10	Sample ID:	AOC9-SW3PM-0822			Sample Time:	1310	

APPENDIX C DATA VALIDATION REPORTS

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APPENDIX C-1 SD052-01 APRON 2 CHLORINATED PLUME DATA VALIDATION REPORTS

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Facility:	Griffiss Air Force Base, BECOS
Event:	2022 Griffiss Petro Q3
SDG:	FA98455
Guidance Document:	DetailedDescription
Prime Contractor:	Bhate Environmental Associates, Inc.
Project Manager:	Frank Gardner
Contract Laboratory(ies):	SGS North America, Inc., Orlando, FL
Data Review Contractor:	Synectics, Sacramento, CA
Data Review Level:	S4VEM
Primary Data Reviewer:	Kathryn Cantone, Data Review Chemist
Second Reviewer:	Evin McKinney, Senior Scientist
Date Submitted:	November 09, 2022

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	SW8260D
782SW-115-0822	FA98455-6	Water	Field Sample/N	X
782-TB01-0822-C	FA98455-7	Water	Trip Blank/TB	X
782VMW-101-0822	FA98455-2	Water	Field Sample/N	X
782VMW-105B-0822	FA98455-3	Water	Field Sample/N	X
782VMW-121-0822	FA98455-5	Water	Field Sample/N	X
782VMW-121-0822-A	FA98455-8	Water	Field Duplicate/FD	X
782VMW-81-0822	FA98455-4	Water	Field Sample/N	X
AP2MW-3-0822	FA98455-1	Water	Field Sample/N	X

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page at S4VEM data validation level. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the DetailedDescription and the additional guidance documents incorporated by reference to the extent possible. Where definitive guidance is not provided, results have been evaluated in a conservative manner using professional judgment.

Sample collection was managed and directed by Bhate Environmental Associates, Inc.; analyses were performed by SGS North America, Inc., Orlando, FL and were reported under sample delivery group (SDG) FA98455. Data have been evaluated electronically based on electronic data deliverables (EDDs) provided by the laboratory, and hard copy data summary forms have also been reviewed during this effort and compared to the automated review output by the reviewers whose signatures appear on the following page. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative and throughout this report.

All quality control (QC) elements associated with this SDG have been reviewed by a project chemist in accordance with the requirements defined for the project. This review is documented in the attached Data Review Checklists. The QC elements listed below were supported by the electronic deliverable and were evaluated using ADR processes.

- Field Duplicate RPD
- Lab Blank
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time
- Trip Blank

Results of the ADR process were subsequently reviewed and updated as applicable by the data review chemists identified on the signature page. Quality control elements that were not included in the electronic deliverable were reviewed manually and findings are documented within this report. Summaries of findings and associated qualified results are documented throughout this report.

A total of 68 results (12.50%) out of the 544 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected or deemed a serious deficiency (X qualifier). Trace values, defined as results that are qualified as estimated because they fall between the detection limit and the reporting limit/limit of quantitation, are not counted as qualified results in the above count. The qualified results are detailed throughout this report and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Data Reviewer Comment
SW8260D	The laboratory noted MS/MSD RPD out of control.

October 30, 2022

Reviewed by Kathryn Cantone, Data Review Chemist, Synectics, Sacramento, CA

As the First Reviewer, I certify that I have performed a data review process in accordance with the requirements of the project guidance document, and have compared the electronic data to the laboratory's hard copy report and have verified the consistency of the reported sample results and method quality control data between the two deliverables.

November 09, 2022

Reviewed by Evin McKinney, Senior Scientist, Synectics, Sacramento, CA

As the Second Reviewer, I certify that I have performed a quality assurance review of the report generated by the First Reviewer.

Quality Control Outliers for test method SW8260D, Field Duplicate RPD

Field duplicate analyses are performed in order to assess sample collection/laboratory precision for each sample matrix. Summary forms were evaluated and compared to electronic data deliverables. Field duplicate results that were outside of the acceptance criteria are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
782VMW-121-0822-A (N)	Methyl tert-butyl ether (MTBE)	200.0	< 30	< 30	rpd	J/None	D3	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

Qualified Results associated with the Field Duplicate RPD for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
782VMW-121-0822 FA98455-5	N	Methyl tert-butyl ether (MTBE)	1.00	0.490 F	0.490 J	-	ug/l	D3/TR/P

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.

Quality Control Outliers for test method SW8260D, MS RPD

The objective of matrix spikes/matrix spike duplicates (MS/MSD) RPD analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. MS/MSD analyses are also performed to generate data that determines the long-term precision of the analytical method on various matrices. Non-homogenous samples can impact the apparent method precision. Summary forms were evaluated and compared to electronic data deliverables. Matrix spikes/matrix spike duplicates results that were outside of the acceptance criteria are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
782VMW-81-0822 (SD)	Bromomethane	37.41	< 19	< 19	rpd	J/None	D	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

No results associated with this QC element required qualification.

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
782VMW-121-0822 FA98455-5	N	1,1,1,2-Tetrachloroethane	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,1,1-Trichloroethane	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,1,2,2-Tetrachloroethane	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,1,2-Trichloroethane	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,1-Dichloroethane	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,1-Dichloroethene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,1-Dichloropropene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,2,3-Trichlorobenzene	2.00	1.00	1.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,2,3-Trichloropropane	2.00	1.00	1.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,2,4-Trichlorobenzene	2.00	1.00	1.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,2,4-Trimethylbenzene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,2-Dibromo-3-chloropropane	5.00	2.00	2.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,2-Dibromoethane (EDB)	2.00	1.00	1.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,2-Dichlorobenzene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,2-Dichloroethane	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,2-Dichloroethene	2.00	1.00	1.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,2-Dichloropropane	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,3,5-Trimethylbenzene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,3-Dichlorobenzene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,3-Dichloropropane	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	1,4-Dichlorobenzene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	2,2-Dichloropropane	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	2-Butanone (MEK)	5.00	3.50	3.50 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	2-Chlorotoluene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	2-Hexanone	10.0	5.00	5.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	4-Chlorotoluene	1.00	0.500	0.500 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
782VMW-121-0822 FA98455-5	N	4-Methyl-2-pentanone (MIBK)	5.00	2.00	2.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Acetone	25.0	20.0	20.0 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Benzene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Bromobenzene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Bromochloromethane	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Bromodichloromethane	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Bromoform	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Bromomethane	5.00	4.00	4.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Carbon disulfide	2.00	1.00	1.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Carbon Tetrachloride	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Chlorobenzene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Chloroethane	2.00	1.00	1.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Chloroform	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Chloromethane	2.00	1.00	1.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	cis-1,2-Dichloroethene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	cis-1,3-Dichloropropene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Cumene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Dibromochloromethane	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Dibromomethane	2.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Dichlorodifluoromethane	2.00	1.00	1.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Ethylbenzene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Hexachlorobutadiene	2.00	1.00	1.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	m,p-Xylene	2.00	1.00	1.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Methyl tert-butyl ether (MTBE)	1.00	0.490 F	0.490 J	-	ug/l	D3/TR/P
782VMW-121-0822 FA98455-5	N	Methylene chloride	5.00	4.00	4.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Naphthalene	5.00	2.00	2.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	n-Butylbenzene	1.00	0.500	0.500 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		**Extraction Method: SW5030B**						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
782VMW-121-0822 FA98455-5	N	n-Propylbenzene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	o-Xylene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	p-Cymene (p-Isopropyltoluene)	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	sec-Butylbenzene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Styrene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	tert-Butylbenzene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Tetrachloroethene (PCE)	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Toluene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	trans-1,2-Dichloroethene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	trans-1,3-Dichloropropene	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Trichloroethene (TCE)	1.00	0.500	0.500 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Trichlorofluoromethane	2.00	1.00	1.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Vinyl acetate	10.0	5.00	5.00 UJ		ug/l	P
782VMW-121-0822 FA98455-5	N	Vinyl chloride	1.00	20.5	20.5 J	-	ug/l	P
782VMW-121-0822 FA98455-5	N	Xylenes, Total	3.00	1.50	1.50 UJ		ug/l	P

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.
Trace values are not included in the qualified results table unless additional reason codes are associated.

Reason Code Definitions

Code	Definition
D	MS RPD
D3	Field Duplicate RPD
P	Sample preservation/collection requirement not met.
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
J	Estimated Value
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.
NJ	The analyte has been tentatively identified or presumptively as present and the associated numerical value was the estimated concentration in the sample.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
X	Result may require rejection; PDT attention required

Bias

-	The result may be biased low
+	The result may be biased high

Note - The bias field is a separate field; however, it is an integral part of the final flag (qualifier) on the sample result

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)				
Review Questions	Yes	No	NA	Comment
Were all samples documented correctly on the chain-of-custody (COC)?	•			
Did samples listed on the COCs match the sample labels?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?		•		The laboratory noted headspace in FA98455-5 larger than 6mm. Sample was qualified J-/UJ with a P reason code.
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)		•		LOQs were raised above project specifications in association with undiluted and diluted analyses that reported non-detects and positive target analyte hits.
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?	•			
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?			•	LCS only
Was a MS/MSD pair prepared with each batch?	•			
Were MS/MSD recoveries within project acceptance limits?	•			
Was the MS/MSD RPD within project acceptance limits?		•		See QC outliers
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were surrogate recoveries within project acceptance limits?	•			
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?		•		See QC outliers
Were reported sample concentrations within calibration range?	•			
Was the GC/MS system properly tuned based on method criteria?	•			
Was instrument tuning completed every 12 hours during sample analysis?	•			

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)

Review Questions	Yes	No	NA	Comment
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			
Were CCVs run at the required frequency and within project acceptance criteria?	•			
Were internal standard retention times and area criteria within project acceptance criteria?	•			
Were internal standards spiked for every sample, standard, and QC sample?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Were certificates of standard traceability and documentation of standard solution preparation provided?		•		
Were recalculation of QC Elements and Sample Results performed?	•			
Were Relative Retention Times (RRTs) within ± 0.06 RRT units and updated with the latest daily CCV?	•			
Were chromatograms checked for peak integration? (10% of automated integration and 100% of manual integrations)	•			
Were chromatograms checked for correct baseline/peak integration and possible interferences?	•			
Were qualitative ion mass present?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?			•	
Were any data recommended for exclusion in the data validation process?		•		

S4VEM
INSTRUMENT PERFORMANCE CHECK / TUNE
VOCs - SW8260

SDG #:	**FA98455**	**Date:**	**10/30/2022**
Lab:	**SGS North America Inc.**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

Batch

Tune ID: VY2669-BFB
Recalculated Ion Ratio: 50:95
Reported Ratio: **18.7%** *pg 54*

Relative Abundance (Ion Ratio) = $\frac{\text{Response of Target Mass}}{\text{Response of Reference Mass}} \times 100\%$

Target Mass Response = 41117 *p.149*
Reference Mass Response = 219520 *p.149*

Calculated Ratio = **18.7%** ***Match***

Comments:

S4VEM
INITIAL CALIBRATION
VOCs - SW8260

SDG #:	**FA98455**	**Date:**	**10/30/2022**
Lab:	**SGS North America Inc.**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

RRF Standard ID: IC2666-3
Analyte: Benzene
Calibration Level: 3
Reported Calibration RRF: **1.160** *p.60*

$$RRF = \frac{\text{Analyte Resp.} \times \text{ISTD Conc.}}{\text{ISTD Resp.} \times \text{Analyte Conc.}}$$

Analyte Response = 165330 *p.184*
ISTD Response = 712717 *p.184* ISTD: Fluorobenzene
Analyte Conc. = 10.0 *p.184*
ISTD Conc. = 50.0 *p.184*

Calculated RRF = **1.1599** ***Match***

Calibration ID: VY2666-ICC2666
Analyte: Trichloroethene
Reported Average RRF: **0.277** *p.60*
Reported %RSD: **5.48%** *p.60*

$$\%RSD = \frac{\text{Standard Deviation}}{\text{Average RRF}} \times 100\%$$

RF Lvl 1:	0.250	RF Lvl 6:	0.281
RF Lvl 2:	0.299	RF Lvl 7:	0.279
RF Lvl 3:	0.286	RF Lvl 8:	
RF Lvl 4:	0.273	RF Lvl 9:	
RF Lvl 5:	0.272	RF Lvl 10:	

Standard Deviation = 0.015

Calculated Average RRF = **0.2771** ***Match***
Calculated %RSD = **5.42%** ***Match (rounding)***

Comments:

S4VEM
INITIAL / CONTINUING CALIBRATION VERIFICATION
VOCs - SW8260

SDG #:	**FA98455**	**Date:**	**10/30/2022**
Lab:	**SGS North America Inc.**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

%D = 100% × (CV RRF - Avg RRF) / Avg RRF

RRF = Analyte Resp. × ISTD Conc. / ISTD Resp. × Analyte Conc.

ICV ID:	ICV2666-5	
Analyte:	trans-1,2-Dichloroethene	
ISTD:	Fluorobenzene	
Reported ICV RRF:	**0.336**	*p.63*
Reported %D:	**1.2%**	*p.63*
Analyte Response =	224575	*p.222*
ISTD Response =	836695	*p.222*
Analyte Conc. =	40.0	*Assumed*
ISTD Conc. =	50.0	*p.222*
Mean RRF (ICAL) =	0.340	*p.63*
Calculated ICV RRF =	**0.336**	***Match***
Calculated %D =	**-1.2%**	***Match***

CCV ID:	ECC2666-5	
Analyte:	1,1-Dichloroethene	
ISTD:	Fluorobenzene	
Reported CCV RRF:	**0.373**	*p.75*
Reported %D:	**-9.4%**	*p.75*
Analyte Response =	200980	*p.243*
ISTD Response =	674131	*p.243*
Analyte Conc. =	40.0	*Assumed*
ISTD Conc. =	50.0	*p.243*
Mean RRF (ICAL) =	0.341	*p.38*
Calculated CCV RRF =	**0.373**	***Match***
Calculated %D =	**9.3%**	***Match (rounding)***

Comments:

S4VEM
SURROGATE SPIKES/SYSTEM MONITORING COMPOUNDS
VOCs - SW8260

SDG #:	**FA98455**	**Date:**	**10/30/2022**
Lab:	**SGS North America Inc.**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

Sample ID: FA98455-4
Compound ID: 1,2-Dichloroethane-d4
Reported %Recovery: **103%** *p.58*

$$\% \text{ Recovery} = \frac{\text{Conc. Surr. In Sample}}{\text{Conc. Surr. Spiked}} \times 100\%$$

Conc. In Sample = 51.57 *p.96*
Surr. Spike Conc. = 50.00 *p.96*

Calculated %Recovery = **103%** ***Match***

Comments:

GC/MS VALIDATION WORKSHEET - MATRIX SPIKES/DUPLICATES

SDG #:	FA98455	Date:	10/30/22
Lab:	SGS North America Inc.	Page:	1 of 1
Client:	Bhate Environmental	Validated by:	KMC
		Second Review by:	EM

CALCULATIONS

Parent Sample ID: 782VMW-81-0822
Compound ID: Trichloroethene
Recovery: 101% *p.50*

Parent Sample ID: 782VMW-81-0822
Compound ID: trans-1,2-Dichloroethylene
RPD: 6% *p.49*

$$\% \text{ Recovery} = \frac{\text{Conc. MS - Conc. Unspiked Sample}}{\text{MS Spike Conc.}} \times 100$$

$$\text{RPD} = \frac{|\text{MS Conc. - MSD Conc.}|}{(\text{MS Conc. + MSD Conc.})/2} \times 100$$

Conc. MS = 25.20 *p.50*
Unspiked Samp. = 0.0 *p.50*
MS Spike Conc. = 25.0 *p.50*

% Recovery = 100.8% ***Matches***

MS Conc. = 26.10 *p.107*
MSD Conc. = 27.60 *p.122*

RPD = 5.59% ***Matches (rounding)***

Comments:

S4VEM
LABORATORY CONTROL SAMPLES
VOCs - SW8260

SDG #:	**FA98455**	**Date:**	**10/30/2022**
Lab:	**SGS North America Inc.**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

Sample ID: VY2669-BS
Analyte: 1,2-Dichlorobenzene
Reported %Recovery: **88%** *p.46*

$$\%\text{Recovery} = \frac{\text{Conc. LCS}}{\text{LCS Spike Conc.}} \times 100\%$$

Conc. LCS = 22.10 *p.46*
LCS Spike Conc. = 25 *p.46*

Calculated %Recovery = **88%** ***Matches***

Sample ID: _____
Analyte: _____
Reported RPD: _____ *p.25*

$$\text{RPD} = \frac{|\text{LCS Conc.} - \text{LCSD Conc.}|}{(\text{LCS Conc.} + \text{LCSD Conc.})/2} \times 100\%$$

LCS Conc. = *p.29*
LCSD Conc. = *p.32*

Calculated RPD = ***Matches***

Comments: The lab did not asnalyze an LCSD

S4VEM
SAMPLE RESULT VERIFICATION
VOCs - SW8260

SDG #:	**FA98455**	**Date:**	**10/30/2022**
Lab:	**SGS North America Inc.**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

Sample ID: AP2MW-3-0822 FA98455-1
Compound ID: Benzene
Reported Result: **223** *p.7*

$$\text{Conc. In Sample} = \frac{\text{Analyte Resp.}}{\text{IS Resp.}} \times \frac{\text{Conc. of IS}}{\text{Average RRF}} \times \frac{\text{Final Volume}}{\text{Initial Amount}} \times \text{Dilution Factor}$$

Analyte Response =	551616	*p.82*	
IS Response =	540210	*p.82*	IS: Fluorobenzene
IS Conc. =	50.0	*p.82*	
Average RRF =	1.144	*p.60*	
Final Volume (mL) =	5.0	*p.7*	
Initial Amount (mL) =	5.0	*p.7*	
Dilution Factor =	5	*p.7*	

Conc. In Sample = **223** ***Match***

Comments:

APPENDIX C-2 SD052-02 BUILDING 775 DATA VALIDATION REPORTS

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Data Validation Report for FA98452

Facility:	Griffiss Air Force Base, BECOS
Event:	2022 Griffiss Petro Q3
SDG:	FA98452
Guidance Document:	DetailedDescription
Prime Contractor:	Bhate Environmental Associates, Inc.
Project Manager:	Frank Gardner
Contract Laboratory(ies):	SGS North America, Inc., Orlando, FL
Data Review Contractor:	Synectics, Sacramento, CA
Data Review Level:	S2BVEM
Primary Data Reviewer:	Kathryn Cantone, Data Review Chemist
Second Reviewer:	Evin McKinney, Senior Scientist
Date Submitted:	November 09, 2022

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	SW8260D
775-EB01-0822-D	FA98452-9	Water	Equipment Blank/EB	X
775MW-20-0822	FA98452-1	Water	Field Sample/N	X
775MW-6-0822	FA98452-2	Water	Field Sample/N	X
775-TB01-0822-C	FA98452-8	Water	Trip Blank/TB	X
775VMW-10-0822	FA98452-3	Water	Field Sample/N	X
775VMW-4-0822	FA98452-4	Water	Field Sample/N	X
775VMW-5-0822	FA98452-5	Water	Field Sample/N	X
775VMW-8-0822	FA98452-6	Water	Field Sample/N	X
775VMW-9-0822	FA98452-7	Water	Field Sample/N	X
775VMW-9-0822-A	FA98452-10	Water	Field Duplicate/FD	X

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page at S2BVEM data validation level. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the DetailedDescription and the additional guidance documents incorporated by reference to the extent possible. Where definitive guidance is not provided, results have been evaluated in a conservative manner using professional judgment.

Sample collection was managed and directed by Bhate Environmental Associates, Inc.; analyses were performed by SGS North America, Inc., Orlando, FL and were reported under sample delivery group (SDG) FA98452. Data have been evaluated electronically based on electronic data deliverables (EDDs) provided by the laboratory, and hard copy data summary forms have also been reviewed during this effort and compared to the automated review output by the reviewers whose signatures appear on the following page. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative and throughout this report.

All quality control (QC) elements associated with this SDG have been reviewed by a project chemist in accordance with the requirements defined for the project. This review is documented in the attached Data Review Checklists. The QC elements listed below were supported by the electronic deliverable and were evaluated using ADR processes.

- Equipment Blank
- Field Duplicate RPD
- Lab Blank
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time
- Trip Blank

Results of the ADR process were subsequently reviewed and updated as applicable by the data review chemists identified on the signature page. Quality control elements that were not included in the electronic deliverable were reviewed manually and findings are documented within this report. Summaries of findings and associated qualified results are documented throughout this report.

A total of 6 results (0.88%) out of the 680 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected or deemed a serious deficiency (X qualifier). Trace values, defined as results that are qualified as estimated because they fall between the detection limit and the reporting limit/limit of quantitation, are not counted as qualified results in the above count. The qualified results are detailed throughout this report and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Data Reviewer Comment
SW8260D	The laboratory noted MS and CCV out of control.

October 27, 2022

Reviewed by Kathryn Cantone, Data Review Chemist, Synectics, Sacramento, CA

As the First Reviewer, I certify that I have performed a data review process in accordance with the requirements of the project guidance document, and have compared the electronic data to the laboratory's hard copy report and have verified the consistency of the reported sample results and method quality control data between the two deliverables.

November 09, 2022

Reviewed by Evin McKinney, Senior Scientist, Synectics, Sacramento, CA

As the Second Reviewer, I certify that I have performed a quality assurance review of the report generated by the First Reviewer.

Quality Control Outliers for test method SW8260D, Equipment Blank

The purpose of equipment blanks is to determine the existence and magnitude of cross-contamination problems resulting from the process during sampling. Reported results were evaluated to determine compliance with the required acceptance criteria. Summary forms were evaluated and compared to electronic data deliverables. Findings of this review, and contaminants found in equipment blanks are listed below along with any associated qualified results.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
775-EB01-0822-D (EB)	Toluene	3.500	< 0.3	< 1	ug/l	U/None*	V	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

*Blank flags displayed in the above table identify qualification of the sample result when it is less than or equal to the LOQ/RL. Sample results above the LOQ will be qualified based on the validation type such as J+ at the sample result.

No results associated with this QC element required qualification.

Quality Control Outliers for test method SW8260D, MS Recovery

Data for matrix spikes/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. These data alone cannot be used to evaluate the precision and accuracy of individual samples. However, when exercising professional judgment, MS/MSD data can be used in conjunction with other available QC information. Reported results were evaluated to determine compliance with the required acceptance criteria, and summary forms were evaluated and compared to electronic data deliverables. Findings of this review, and any associated qualified results, are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
775MW-6-0822 (MS)	1,3-Dichloropropane	75.00	80 - 118	80 - 118	percent	J/UJ	M	
775MW-6-0822 (SD)	1,3-Dichloropropane	78.00	80 - 118	80 - 118	percent	J/UJ	M	
775MW-6-0822 (MS)	4-Chlorotoluene	82.00	83 - 130	83 - 130	percent	J/UJ	M	
775MW-6-0822 (MS)	Bromobenzene	78.00	80 - 121	80 - 121	percent	J/UJ	M	
775MW-6-0822 (MS)	Bromomethane	58.00	59 - 143	59 - 143	percent	J/UJ	M	
775MW-6-0822 (MS)	Dibromochloromethane	77.00	78 - 122	78 - 122	percent	J/UJ	M	
775MW-6-0822 (MS)	n-Butylbenzene	75.00	79 - 126	79 - 126	percent	J/UJ	M	
775MW-6-0822 (SD)	n-Butylbenzene	77.00	79 - 126	79 - 126	percent	J/UJ	M	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

Qualified Results associated with the MS Recovery for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
775MW-6-0822 FA98452-2	N	1,3-Dichloropropane	1.00	0.500	0.500 UJ		ug/l	M
775MW-6-0822 FA98452-2	N	4-Chlorotoluene	1.00	0.500	0.500 UJ		ug/l	M
775MW-6-0822 FA98452-2	N	Bromobenzene	1.00	0.500	0.500 UJ		ug/l	M
775MW-6-0822 FA98452-2	N	Bromomethane	5.00	4.00	4.00 UJ		ug/l	M
775MW-6-0822 FA98452-2	N	Dibromochloromethane	1.00	0.500	0.500 UJ		ug/l	M
775MW-6-0822 FA98452-2	N	n-Butylbenzene	1.00	0.500	0.500 UJ		ug/l	M

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.

Table of All Qualified Results

Test Method: SW8260D		**Extraction Method: SW5030B**						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
775MW-6-0822 FA98452-2	N	1,3-Dichloropropane	1.00	0.500	0.500 UJ		ug/l	M
775MW-6-0822 FA98452-2	N	4-Chlorotoluene	1.00	0.500	0.500 UJ		ug/l	M
775MW-6-0822 FA98452-2	N	Bromobenzene	1.00	0.500	0.500 UJ		ug/l	M
775MW-6-0822 FA98452-2	N	Bromomethane	5.00	4.00	4.00 UJ		ug/l	M
775MW-6-0822 FA98452-2	N	Dibromochloromethane	1.00	0.500	0.500 UJ		ug/l	M
775MW-6-0822 FA98452-2	N	n-Butylbenzene	1.00	0.500	0.500 UJ		ug/l	M

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.
Trace values are not included in the qualified results table unless additional reason codes are associated.

Reason Code Definitions

Code	Definition
M	MS Recovery
TR	Trace Level Detect
V	Equipment Blank

Flag Code and Definitions

Flag	Definition
J	Estimated Value
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.
NJ	The analyte has been tentatively identified or presumptively as present and the associated numerical value was the estimated concentration in the sample.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
X	Result may require rejection; PDT attention required

Bias

-	The result may be biased low
+	The result may be biased high

Note - The bias field is a separate field; however, it is an integral part of the final flag (qualifier) on the sample result

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)

Review Questions	Yes	No	NA	Comment
Were all samples documented correctly on the chain-of-custody (COC)?	•			
Did samples listed on the COCs match the sample labels?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?	•			
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)		•		LOQs were raised above project specifications in association with undiluted analyses that reported non-detects and positive target analyte hits.
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?	•			
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?		•		See QC outliers
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?			•	LCS only
Was a MS/MSD pair prepared with each batch?	•			
Were MS/MSD recoveries within project acceptance limits?		•		See QC outliers
Was the MS/MSD RPD within project acceptance limits?	•			
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were surrogate recoveries within project acceptance limits?	•			
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?	•			
Were reported sample concentrations within calibration range?	•			
Was the GC/MS system properly tuned based on method criteria?	•			
Was instrument tuning completed every 12 hours during sample analysis?	•			
Was the Calibration within project acceptance criteria?	•			

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)

Review Questions	Yes	No	NA	Comment
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			
Were CCVs run at the required frequency and within project acceptance criteria?		•		It was noted CCV out of control high, samples ND. No further action taken.
Were internal standard retention times and area criteria within project acceptance criteria?	•			
Were internal standards spiked for every sample, standard, and QC sample?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?		•		CCV samples were outside control limits and samples were not re-analyzed.
Were any data recommended for exclusion in the data validation process?		•		

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APPENDIX C-3 SD052-04 LANDFILL 6 TCE SITE DATA VALIDATION REPORTS

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Facility:	Griffiss Air Force Base, BECOS
Event:	2022 Griffiss Petro Q3
SDG:	FA98468
Guidance Document:	Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022
Prime Contractor:	Bhate Environmental Associates, Inc.
Project Manager:	Frank Gardner
Contract Laboratory(ies):	SGS North America, Inc., Orlando, FL
Data Review Contractor:	Synectics, Sacramento, CA
Data Review Level:	S4VEM
Primary Data Reviewer:	Kathryn Cantone, Data Review Chemist
Second Reviewer:	Evin McKinney, Senior Scientist
Date Submitted:	December 15, 2022

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	RSK175	SW8260D	SW9056A	SW9060A
LF6MW-12-0822	FA98468-1	Water	Field Sample/N	X	X	X	X
LF6MW-12-0822	FA98468-1F	Water	Field Sample/N				X
LF6MW-39-0822	FA98468-2	Water	Field Sample/N	X	X	X	X
LF6MW-39-0822	FA98468-2F	Water	Field Sample/N				X
LF6SW-1PM-0822	FA98468-3	Water	Field Sample/N	X	X	X	X
LF6SW-1PM-0822	FA98468-3F	Water	Field Sample/N				X
LF6-TB01-0822-C	FA98468-10	Water	Trip Blank/TB		X		
LF6VMW-13R-0822	FA98468-4	Water	Field Sample/N	X	X	X	X
LF6VMW-13R-0822	FA98468-4F	Water	Field Sample/N				X
LF6VMW-13RD-0822	FA98468-5	Water	Field Sample/N	X	X	X	X
LF6VMW-13RD-0822	FA98468-5F	Water	Field Sample/N				X
WL-LF6TW-35-0822	FA98468-6	Water	Field Sample/N	X	X	X	X
WL-LF6TW-35-0822	FA98468-6F	Water	Field Sample/N				X
WL-LF6TW-36-0822	FA98468-7	Water	Field Sample/N	X	X	X	X
WL-LF6TW-36-0822	FA98468-7F	Water	Field Sample/N				X
WL-LF6TW-38-0822	FA98468-8	Water	Field Sample/N	X	X	X	X
WL-LF6TW-38-0822	FA98468-8F	Water	Field Sample/N				X
WL-LF6VMW-26-0822	FA98468-9	Water	Field Sample/N	X	X	X	X
WL-LF6VMW-26-0822	FA98468-9F	Water	Field Sample/N				X

S4VEM
INITIAL CALIBRATION
Dissolved Gases - RSK-175

SDG #:	**FA98468**	**Date:**	**12/6/22**
Lab:	**Eurofins**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

Standard ID: G1R343-ICC343 / 1R9186.D
Analyte: Ethylene

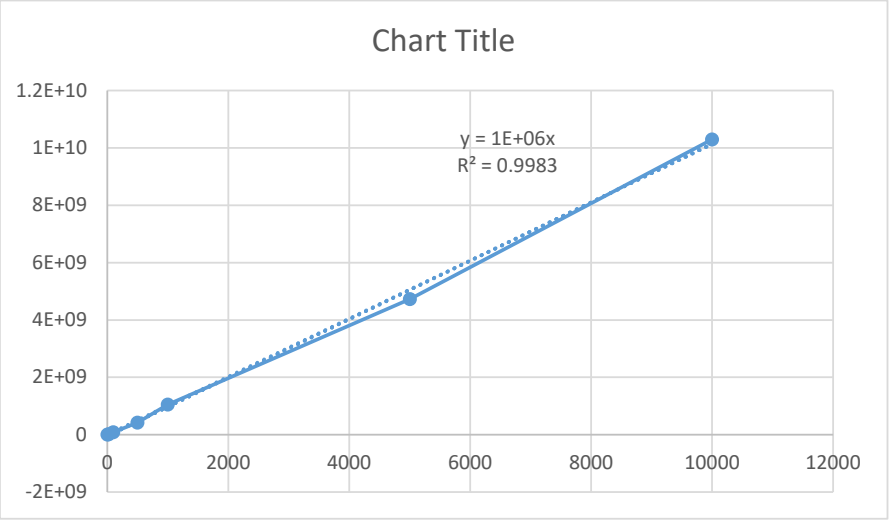
Reported Y-Intercept: 0 *p.761*
Reported Slope: 1012501.3 *p.761*
Reported Correlation Coefficient (r): 0.9984 *p.761*

	(x) Conc.	(y) Response	
Level 1 =	2	1548608	*p.838*
Level 2 =	20	15452527	*p.840*
Level 3 =	100	84911843	*p.842*
Level 4 =	500	420303324	*p.844*
Level 5 =	1000	1054031977	*p.846*
Level 6 =	5000	4721902025	*p.848*
Level 7 =	10000	10295622382	*p.850*

Y-Intercept = 946154.0 ***Forced through zero, see graph below***
Slope = 1018957.7 ***~Matches (see graph below)***
r2 = 0.9984 ***See graph below***
r = 0.99921 ***~Matches***

Sample Check:
If Response (y) =
Then Conc.(x) = 0.0

Comment:



S4VEM
INITIAL / CONTINUING CALIBRATION VERIFICATION
Dissolved Gases - RSK-175

SDG #:	**FA98468**	**Date:**	**12/6/22**
Lab:	**Eurofins**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

%D = [(Reported Conc. - True Conc.) / True Conc.] × 100%

ICV Standard ID:	G1R343-ICV343	
Analyte:	Methane	
Reported %D:	**-5.0%**	*p.762*
True ICV Conc.:	1000	*p.762*
Found ICV Conc.:	1049.521	*p.762*
Calculated %D =	**5.0%**	***~Match***

CCV Standard ID:	G1R346-ECC343	
Analyte:	Ethane	
Reported %D:	**4.1%**	*p.770*
True CCV Conc.:	500	*p.770*
Found CCV Conc.:	479.748	*p.770*
Calculated %D =	**-4.1%**	***~Match***

Comments:

Level 4
Laboratory Control Sample

SDG #:	**FA98468**	**Date:**	**12/6/22**
Lab:	**Eurofins**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

LCS Sample ID: G1R345-BS
Analyte: Ethane
Reported %Recovery: **112%** *p 755*

$$\%\text{Recovery} = \frac{\text{Conc. LCS}}{\text{LCS Spike Conc.}} \times 100\%$$

Conc. LCS = 245 *p 755*
LCS Spike Conc. = 219 *p 755*

Calculated %Recovery = **112%** ***Match***

LCS / LCSD Sample ID: G1R345-BS / G1R345-BSD
Analyte: Ethane
Reported RPD: **1%** *p 755*

$$\text{RPD} = \frac{|\text{LCS Conc.} - \text{LCSD Conc.}|}{(\text{LCS Conc.} + \text{LCSD Conc.})/2} \times 100\%$$

LCS Conc. = 245 *p 755*
LCSD Conc. = 248.0 *p 755*

Calculated RPD = **1.2%** ***Match***

Comments:

S4VEM
SAMPLE RESULT VERIFICATION
Dissolved Gases - RSK-175

SDG #:	**FA98468**	**Date:**	**12/6/22**
Lab:	**Eurofins**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

Sample ID:	LF6MW-12-0822 (FA98468-1)	
Analyte:	Methane	
Reported Conc. (µg/L):	**18200**	*p.15*
ppmv	8204.984	

Analyte Response =	4641888687	*p.778*
Slope =	565740.149	*p.761*
y-Intercept=	0	*p.761*
Headspace Volume (mL) =	5	*p.15*
Sample Temp=	20	
Molar Gas Volume=	22.4	
Molecular Weight CH4=	16	
Sample Amount (mL) =	38	*p.15*
Dilution Factor =	20	*p.18, 494*
Henry's Constant=	37600	*p.780*
Calculated Conc. (µg/L) =	8204.98	***Match***

Comment:

S4VEM
Initial Calibration
Total Organic Carbon - SW 9060A

SDG #:	**FA98468**	**Date:**	**12/7/22**
Lab:	**SGS North America Inc.**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

Reported Calibration Results: *p.939*

Calibration ID: toc 2 aq cal-curve 07-13-2022.2022_07_13_17 _46_30.cal
Analyte: TOC

Correlation Coeff:	**0.9999**
Slope:	**3.397**
Intercept:	**1.0550**
RSQ:	**0.9999**

Response (Y) = [Slope × Conc. (X)] + Intercept

	Conc. X	Response Y	
Level 1:	0	0.6808	*p.937*
Level 2:	1	4.824	*p.937*
Level 3:	2.00	8.294	*p.937*
Level 4:	5.0	17.56	*p.938*
Level 5:	10.0	35.3	*p.938*
Level 6:	20.0	68.4	*p.938*
Level 7:	30.00	103.3	*p.938*

Calculated Calibration Results: [a]

Correlation Coeff:	**0.9999**	***Match***
Slope:	**3.397**	***Match***
Intercept:	**1.05603**	***Match***
RSQ:	**0.9999**	***Match***

Comments: [a] Regression performed using the Microsoft Excel SLOPE, INTERCEPT, CORREL, and RSQ functions.

S4VEM
INITIAL / CONTINUING CALIBRATION VERIFICATION
Total Organic Carbon - SW 9060A

SDG #:	**FA98468**	**Date:**	**6/17/22**
Lab:	**SGS North America Inc.**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

%Recovery = (Reported Conc. / True Conc.) × 100%

ICV Standard ID: GN92193-CCV1
Analyte: TOC
Reported %Recovery: **106%**

True ICV Conc.: 15.0 *p.887*
Found ICV Conc.: 15.90 *p.887*

Calculated %Recovery = **106%** ***matches***

CCV Standard ID: GN92193-CCV4
Analyte: TOC
Reported %Recovery: **107%** *p.887*

True CCV Conc.: 15.0 *p.887*
Found CCV Conc.: 16.10 *p.887*

Calculated %Recovery = **107.3%** ***matches***

Comment:

S4VEM
LABORATORY CONTROL SAMPLE
Total Organic Carbon - SW 9060A

SDG #:	FA98468	Date:	12/7/22
Lab:	SGS North America Inc.	Page:	1 of 1
Client:	Bhate Environmental	Validated by:	KMC
Matrix:	Water	Second Review by:	EM

CALCULATIONS

LCS Sample ID: GP37728-B1
Analyte: DOC
Reported %Recovery: **103.6%** *p.459*

$$\%Recovery = \frac{\text{Conc. LCS}}{\text{LCS Spike Conc.}} \times 100\%$$

Conc. LCS = 250 *p.459*
LCS Spike Conc. = 259.00 *p.459*

Calculated %Recovery = **103.6%** ***Matches (rounding)***

LCS / LCSD Sample ID: _____
Analyte: _____
Reported RPD: _____

$$RPD = \frac{|\text{LCS Conc.} - \text{LCSD Conc.}|}{(\text{LCS Conc.} + \text{LCSD Conc.})/2} \times 100\%$$

LCS Conc. =
LCSD Conc. =

Calculated RPD = _____

Comments: No LCSD analysis was performed with either analytical batch; RPD was not recalculated

S4VEM
MATRIX SPIKE
Total Organic Carbon - SW 9060A

SDG #:	**FA98468**	**Date:**	**12/7/22**
Lab:	**SGS North America Inc.**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

Parent Sample ID: SS001-EA-05R_0122 (FA92740-1)
Analyte: DOC
Reported %Recovery: 92.7% *p.461*

$$\%Recovery = \frac{\text{MS Sample Conc. - Parent Sample Conc.}}{\text{MS Spike Conc.}} \times 100\%$$

Unspiked (Parent) Conc. = 10.9 *p.461*
MS Spike Conc. = 15.0 *p.461*
MS Sample Conc. = 24.80 *p.461*

Calculated %Recovery = 92.7% ***Matches***

MS / MSD ID: GP37115-S1/GP37115-S2
Analyte: DOC
Reported RPD: **4.0%** *p.462*

$$RPD = \frac{|\text{MS Conc. - MSD Conc.}|}{(\text{MS Conc. + MSD Conc.})/2} \times 100\%$$

MS Conc. = 24.8 *p.462*
MSD Conc. = 25.8 *p.462*

Calculated RPD = **-4.0%** ***Matches***

Comments:

S4VEM
SAMPLE RESULT VERIFICATON
Total Organic Carbon - SW 9060A

SDG #:	**FA98468**	**Date:**	**12/7/22**
Lab:	**SGS North America Inc.**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

Sample ID: FA98468-3
Analyte: TOC
Reported Conc. (mg/L): **7.7** *p.28*

Analyte Conc. (mg/L) = [(Analyte Resp. - Intercept) / Slope] × (Final Vol. / Initial Amt.) × DF

Analyte Resp. =	27.17	*p921*
Slope =	3.397	*p.939*
Intercept =	1.0550	*p.939*
Initial Amount (µL) =	50	*p921*
Dilution Factor (DF) =	1	*p.28*
Final Volume (µL) =	50	*p921*

Calculated Conc. (mg/L) = **7.69** ***Matches***

Comments:

S4VEM
INITIAL CALIBRATION
Anions - SW9056A

SDG #:	**FA98468**	**Date:**	**12/6/22**
Lab:	**Eurofins**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

Cal ID: 2022-09-07 9:40:01

Analyte: Sulfate

Response (Y) = [Slope × Conc. (X)] + Intercept

	(X) Conc.	(Y) Response	
Level 0:	0	0	*p.976-977*
Level 1:	1	0.2078	1
Level 2:	2	0.3893	
Level 3:	2.50	0.4968	
Level 4:	5.0	1.1283	
Level 5:	10.0	2.4089	
Level 6:	20	5.2057	
Level 7:	40	10.3468	
Level 8:	50	12.7733	
Level 9:	80	20.6378	
Level 10:	100	25.5635	

Reported Calibration Results: *p.976*

Slope: **NR**

Intercept: **NR**

Correlation: **0.999874**

Calculated Calibration Results: [a]

Slope = **0.2576308**

Intercept = **-0.076016**

Correlation= **0.999783** ***Matches***

Comments:

S4VEM
INITIAL / CONTINUING CALIBRATION VERIFICATION
Anions - SW9056A

SDG #:	**FA98468**	**Date:**	**12/6/22**
Lab:	**Eurofins**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

%D = [(Reported Conc. - True Conc.) / True Conc.] × 100%

ICV Standard ID: GN92241-ICV1
Analyte: Sulfate
Reported %D: **1.6%** *p.893*

True ICV Conc.: 50 *p.893*
Found ICV Conc.: 49.2 *p.893*

Calculated %D = **-1.6%** ***~Match***

CCV Standard ID: GN92241-CCV8
Analyte: Sulfate
Reported %D: **0.8%** *p.893*

True CCV Conc.: 50 *p.893*
Found CCV Conc.: 49.6 *p.893*

Calculated %D = **-0.8%** ***~Match***

Comments:

S4VEM
LABORATORY CONTROL SAMPLE
Anions - SW9056A

SDG #:	**FA98468**	**Date:**	**12/6/22**
Lab:	**Eurofins**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

LCS Sample ID: GP38012/GN92241
Analyte: Sulfate
Reported %Recovery: **100.6%** *p.882*

$$\%Recovery = \frac{\text{Conc. LCS}}{\text{LCS Spike Conc.}} \times 100\%$$

Conc. LCS = 50.30 *p.882*
LCS Spike Conc. = 50.00 *p.882*

Calculated %Recovery = **100.60%** ***Match***

LCS / LCSD Sample ID: GP38012/GN92241 GP38013/GN92241
Analyte: Sulfate
Reported RPD: **NR** *p.882*

$$RPD = \frac{|\text{LCS Conc.} - \text{LCSD Conc.}|}{(\text{LCS Conc.} + \text{LCSD Conc.})/2} \times 100\%$$

LCS Conc. = 50.3 *p.882*
LCSD Conc. = 49.6 *p.882*

Calculated RPD = **1%** ***~Match***

Comments:.

S4VEM
MATRIX SPIKE
Anions - SW9056A

SDG #:	**FA98468**	**Date:**	**12/6/22**
Lab:	**Eurofins**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

$$\%Recovery = \frac{\text{MS or MSD Conc. - Parent Conc.}}{\text{Spike Amount}} \times 100\%$$

Parent ID:
MS or MSD ID: GP38012-S3
Analyte: sulfate

Reported %Recovery: **82%** *p.94*

MS Conc. = 60.131 *p.997*
Parent Conc. = 3.808 *p.996*
Spike Amount = 69.0 *p.94*

% Recovery = **82%** ***Match***

$$RPD = \frac{|\text{MS Conc. - MSD Conc.}|}{(\text{MS Conc. + MSD Conc.})/2} \times 100\%$$

MS / MSD ID: GP38012-S3 GP38012-S4
Analyte: Nitrite as N

Reported RPD: **1.2%** *p.94*

MS Conc. = 60.131 *p.997*
MSD Conc. = 59.384 *p.997*

Calculated RPD = **1.25%** ***Match (rounding)***

Comment:

S4VEM
Sample Result Verification

SDG #:	**FA98468**	**Date:**	**12/6/22**
Lab:	**Eurofins**	**Page:**	**1 of 1**
Client:	**Bhate Environmental**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

Sample ID: FA98468-9
Analyte: Sulfate
Reported Conc. (mg/L): **27.9** *pg 64*

Analyte Conc. (mg/L) = [(Area + Intercept) / Slope] × DF × (Sample Volume)

Area Sample =	7.1024	*p.1005*
Slope =	0.3	
Y-Intercept =	-0.08	
Sample Volume (µL) =	1	*Assumed, not documented*
Dilution Factor =	1	*pg 1819*

Calculated Conc. (mg/L) = **27.3** ***Match (rounding)***

Comment:

S4VEM
INSTRUMENT PERFORMANCE CHECK / TUNE
VOCs - SW8260B

SDG #:	**FA98468**	**Date:**	**12/9/2022**
Lab:	**SGS**	**Page:**	**1 of 1**
Client:	**Bhate**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

Batch

Tune ID: V2P3567-BFB
Recalculated Ion Ratio: 175:174
Reported Ratio: **7.5%** *p.128*

Relative Abundance (Ion Ratio) = $\frac{\text{Response of Target Mass}}{\text{Response of Reference Mass}} \times 100\%$

Target Mass Response = 19205 *p.418*
Reference Mass Response = 254976 *p.418*

Calculated Ratio = **7.5%** ***Match***

Comments:

S4VEM
INITIAL CALIBRATION
VOCs - SW8260B

SDG #:	**FA98468**	**Date:**	**12/9/2022**
Lab:	**SGS**	**Page:**	**1 of 1**
Client:	**Bhate**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

RRF Standard ID: V2P3560-ICC3560/2P92269.D
Analyte: Vinyl Chloride
Calibration Level: 4
Reported Calibration RRF: **0.174** *p.141*

$$RRF = \frac{\text{Analyte Resp.} \times \text{ISTD Conc.}}{\text{ISTD Resp.} \times \text{Analyte Conc.}}$$

Analyte Response = 115463 *p 480*
ISTD Response = 1325704 *p 480* ISTD: Fluorobenzene
Analyte Conc. = 25.0 *Assumed, not specified*
ISTD Conc. = 50.0 *p 480*

Calculated RRF = **0.1742** ***Match***

Calibration ID: V2P3560-ICC3560
Analyte: Vinyl Chloride
Reported Average RRF: **0.186** *p.141*
Reported %RSD: **7.09%** *p.141*

$$\%RSD = \frac{\text{Standard Deviation}}{\text{Average RRF}} \times 100\%$$

RF Lvl 1:	0.168	RF Lvl 6:	0.201	*0*
RF Lvl 2:	0.186	RF Lvl 7:	0.200	
RF Lvl 3:	0.176	RF Lvl 8:		
RF Lvl 4:	0.174	RF Lvl 9:		
RF Lvl 5:	0.194	RF Lvl 10:		

Standard Deviation = 0.013

Calculated Average RRF = **0.1856** ***Match***
Calculated %RSD = **7.13%** ***Match (rounding)***

Comments:

S4VEM
INITIAL / CONTINUING CALIBRATION VERIFICATION
VOCs - SW8260B

SDG #:	**FA98468**	**Date:**	**12/9/2022**
Lab:	**SGS**	**Page:**	**1 of 1**
Client:	**Bhate**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

%D = 100% × (CV RRF - Avg RRF) / Avg RRF

RRF = Analyte Resp. × ISTD Conc. / ISTD Resp. × Analyte Conc.

ICV ID:	ICV3560-5	
Analyte:	Vinyl Chloride	
ISTD:	Fluorobenzene	
Reported ICV RRF:	**0.169**	*p.145*
Reported %D:	**9.1%**	*p.145*
Analyte Response =	188259	*p.526*
ISTD Response =	1393141	*p.526*
Analyte Conc. =	40.0	*Assumed*
ISTD Conc. =	50.0	*p.526*
Mean RRF (ICAL) =	0.186	*p.145*
Calculated ICV RRF =	**0.169**	***Match***
Calculated %D =	**-9.1%**	***Match***

CCV ID:	V5E1550-ECC1549	
Analyte:	Methyl acetate	
ISTD:	Fluorobenzene	
Reported CCV RRF:	**0.217**	*p. 191*
Reported %D:	**4.8%**	*p. 191*
Analyte Response =	252568	*p.644*
ISTD Response =	291587	*p.644*
Analyte Conc. =	200.0	*Assumed*
ISTD Conc. =	50.0	*p.644*
Mean RRF (ICAL) =	0.228	*p. 191*
Calculated CCV RRF =	**0.217**	***Match***
Calculated %D =	**-5.02%**	***Match (rounding)***

Comments:

S4VEM
SURROGATE SPIKES/SYSTEM MONITORING COMPOUNDS
VOCs - SW8260B

SDG #:	**FA98468**	**Date:**	**12/9/2022**
Lab:	**SGS**	**Page:**	**1 of 1**
Client:	**Bhate**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

Sample ID: WL-LF6VMW-26-0822
Compound ID: Toluene-D8
Reported %Recovery: **98%** *pg 62*

$$\% \text{ Recovery} = \frac{\text{Conc. Surr. In Sample}}{\text{Conc. Surr. Spiked}} \times 100\%$$

Conc. In Sample = 49.18 *p.272*
Surr. Spike Conc. = 50.00 *p.272*

Calculated %Recovery = **98%** ***Match***

Comments:

S4VEM
LABORATORY CONTROL SAMPLES
VOCs - SW8260B

SDG #:	**FA98468**	**Date:**	**12/9/2022**
Lab:	**SGS**	**Page:**	**1 of 1**
Client:	**Bhate**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

Sample ID: VY2672-BS
Analyte: Acetone
Reported %Recovery: **113%** *p.108*

$$\%Recovery = \frac{\text{Conc. LCS}}{\text{LCS Spike Conc.}} \times 100\%$$

Conc. LCS = 141.00 *p.108*
LCS Spike Conc. = 125 *p.108*

Calculated %Recovery = **113%** ***Matches***

Sample ID:
Analyte:
Reported RPD: 4% *p.47*

$$RPD = \frac{|\text{LCS Conc.} - \text{LCSD Conc.}|}{(\text{LCS Conc.} + \text{LCSD Conc.})/2} \times 100\%$$

LCS Conc. = *p.47*
LCSD Conc. = *p.47*

Calculated RPD = ***Matches***

Comments: LCS only

S4VEM
SAMPLE RESULT VERIFICATION
VOCs - SW8260B

SDG #:	**FA98468**	**Date:**	**12/9/2022**
Lab:	**SGS**	**Page:**	**1 of 1**
Client:	**Bhate**	**Validated by:**	**KMC**
Matrix:	**Water**	**Second Review by:**	**EM**

CALCULATIONS

Sample ID: LF6MW-12-0822
Compound ID: 1,2-Dichloroethene (total
Reported Result: **227** *p.12*

$$\text{Conc. In Sample} = \frac{\text{Analyte Resp.}}{\text{IS Resp.}} \times \frac{\text{Conc. of IS}}{\text{Average RRF}} \times \frac{\text{Final Volume}}{\text{Initial Amount}} \times \text{Dilution Factor}$$

Analyte Response =	111120	*p.227*	
IS Response =	434797	*p.227*	IS: Fluorobenzene
IS Conc. =	50.0	*p.227*	
Average RRF =	0.282	*p.141*	
Final Volume (mL) =	5.0	*p.12*	
Initial Amount (mL) =	5.0	*p.12*	
Dilution Factor =	5	*p.12*	

Conc. In Sample = **227** ***Match***

Comments:

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page at S4VEM data validation level. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022 and the additional guidance documents incorporated by reference to the extent possible. Where definitive guidance is not provided, results have been evaluated in a conservative manner using professional judgment.

Sample collection was managed and directed by Bhate Environmental Associates, Inc.; analyses were performed by SGS North America, Inc., Orlando, FL and were reported under sample delivery group (SDG) FA98468. Data have been evaluated electronically based on electronic data deliverables (EDDs) provided by the laboratory, and hard copy data summary forms have also been reviewed during this effort and compared to the automated review output by the reviewers whose signatures appear on the following page. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative and throughout this report.

All quality control (QC) elements associated with this SDG have been reviewed by a project chemist in accordance with the requirements defined for the project. This review is documented in the attached Data Review Checklists. The QC elements listed below were supported by the electronic deliverable and were evaluated using ADR processes.

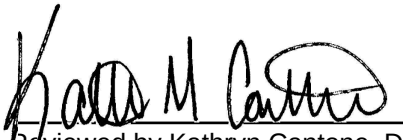
- Lab Blank
- LCS Recovery
- LCS RPD
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time
- Trip Blank

Results of the ADR process were subsequently reviewed and updated as applicable by the data review chemists identified on the signature page. Quality control elements that were not included in the electronic deliverable were reviewed manually and findings are documented within this report. Summaries of findings and associated qualified results are documented throughout this report.

A total of 206 results (28.07%) out of the 734 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected or deemed a serious deficiency (X qualifier). Trace values, defined as results that are qualified as estimated because they fall between the detection limit and the reporting limit/limit of quantitation, are not counted as qualified results in the above count. The qualified results are detailed throughout this report and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Data Reviewer Comment
RSK175	The laboratory noted that MS recoveries were outside control limits; however, non-SDG sample was used.
SW8260D	It was noted CCV/ECV/LCS/MS/MSD out of control.
SW9056A	It was noted the MS/MSD out of control.
SW9060A	No additional comments; see Checklist for detail.



December 10, 2022

Reviewed by Kathryn Cantone, Data Review Chemist, Synectics, Sacramento, CA

As the First Reviewer, I certify that I have performed a data review process in accordance with the requirements of the project guidance document, and have compared the electronic data to the laboratory's hard copy report and have verified the consistency of the reported sample results and method quality control data between the two deliverables.



Reviewed by Evin McKinney, Senior Scientist, Synectics, Sacramento, CA

December 15, 2022

As the Second Reviewer, I certify that I have performed a quality assurance review of the report generated by the First Reviewer.

Quality Control Outliers for test method SW8260D, Lab Blank

The purpose of laboratory blanks is to determine the existence and magnitude of cross-contamination problems resulting from laboratory activities. Reported results were evaluated to determine compliance with the required acceptance criteria. Summary forms were evaluated and compared to electronic data deliverables. Findings of this review, and contaminants found in laboratory blanks are listed below along with any associated qualified results.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
V2P3568-MB (LB)	2-Butanone (MEK)	2.400	< 2	< 5	ug/l	U/None*	L	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

*Blank flags displayed in the above table identify qualification of the sample result when it is less than or equal to the LOQ/RL. Sample results above the LOQ will be qualified based on the validation type such as J+ at the sample result.

No results associated with this QC element required qualification.

Quality Control Outliers for test method SW8260D, LCS Recovery

The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Reported results were evaluated to determine compliance with the required acceptance criteria, and summary forms were evaluated and compared to electronic data deliverables. Findings of this review, and any associated qualified results, are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
V2P3568-BS (BS)	Methyl tert-butyl ether (MTBE)	122.0	72 - 117	72 - 117	percent	J/None	C	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

No results associated with this QC element required qualification.

Quality Control Outliers for test method SW9056A, MS Recovery

Data for matrix spikes/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. These data alone cannot be used to evaluate the precision and accuracy of individual samples. However, when exercising professional judgment, MS/MSD data can be used in conjunction with other available QC information. Reported results were evaluated to determine compliance with the required acceptance criteria, and summary forms were evaluated and compared to electronic data deliverables. Findings of this review, and any associated qualified results, are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
LF6MW-12-0822 (MS)	Sulfate	82.00	90 - 110	90 - 110	percent	J/UJ	M	
LF6MW-12-0822 (SD)	Sulfate	81.00	90 - 110	90 - 110	percent	J/UJ	M	
WL-LF6TW-38-0822 (MS)	Sulfate	80.00	90 - 110	90 - 110	percent	J/UJ	M	
WL-LF6TW-38-0822 (SD)	Sulfate	81.00	90 - 110	90 - 110	percent	J/UJ	M	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

Qualified Results associated with the MS Recovery for SW9056A

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
LF6MW-12-0822 FA98468-1	N	Sulfate	10.0	19.0	19.0 J	-	mg/l	M
WL-LF6TW-38-0822 FA98468-8	N	Sulfate	10.0	29.3	29.3 J	-	mg/l	M

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
LF6VMW-13R-0822 FA98468-4	N	1,1,1,2-Tetrachloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,1,1-Trichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,1,2,2-Tetrachloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,1,2-Trichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,1-Dichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,1-Dichloroethene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,1-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,2,3-Trichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,2,3-Trichloropropane	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,2,4-Trichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,2,4-Trimethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,2-Dibromo-3-chloropropane	5.00	2.00 U	2.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,2-Dibromoethane (EDB)	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,2-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,2-Dichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,2-Dichloroethene	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,2-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,3,5-Trimethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,3-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,3-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	1,4-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	2,2-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	2-Butanone (MEK)	5.00	3.50 U	3.50 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	2-Chlorotoluene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	2-Hexanone	10.0	5.00 U	5.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	4-Chlorotoluene	1.00	0.500 U	0.500 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
LF6VMW-13R-0822 FA98468-4	N	4-Methyl-2-pentanone (MIBK)	5.00	2.00 U	2.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Acetone	25.0	20.0 U	20.0 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Benzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Bromobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Bromochloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Bromodichloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Bromoform	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Bromomethane	5.00	4.00 U	4.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Carbon disulfide	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Carbon Tetrachloride	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Chlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Chloroethane	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Chloroform	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Chloromethane	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	cis-1,2-Dichloroethene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	cis-1,3-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Cumene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Dibromochloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Dibromomethane	2.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Dichlorodifluoromethane	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Ethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Hexachlorobutadiene	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	m,p-Xylene	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Methyl tert-butyl ether (MTBE)	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Methylene chloride	5.00	4.00 U	4.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Naphthalene	5.00	2.00 U	2.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	n-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		**Extraction Method: SW5030B**						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
LF6VMW-13R-0822 FA98468-4	N	n-Propylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	o-Xylene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	p-Cymene (p-Isopropyltoluene)	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Styrene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	tert-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Tetrachloroethene (PCE)	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Toluene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	trans-1,2-Dichloroethene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	trans-1,3-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Trichloroethene (TCE)	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Trichlorofluoromethane	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Vinyl acetate	10.0	5.00 U	5.00 UJ		ug/l	P
LF6VMW-13R-0822 FA98468-4	N	Vinyl chloride	1.00	0.570 J	0.570 J	-	ug/l	TR/P
LF6VMW-13R-0822 FA98468-4	N	Xylenes, Total	3.00	1.50 U	1.50 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,1,1,2-Tetrachloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,1,1-Trichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,1,2,2-Tetrachloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,1,2-Trichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,1-Dichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,1-Dichloroethene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,1-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,2,3-Trichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,2,3-Trichloropropane	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,2,4-Trichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,2,4-Trimethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,2-Dibromo-3-chloropropane	5.00	2.00 U	2.00 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
LF6VMW-13RD-0822 FA98468-5	N	1,2-Dibromoethane (EDB)	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,2-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,2-Dichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,2-Dichloroethene	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,2-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,3,5-Trimethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,3-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,3-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	1,4-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	2,2-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	2-Butanone (MEK)	5.00	3.50 U	3.50 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	2-Chlorotoluene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	2-Hexanone	10.0	5.00 U	5.00 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	4-Chlorotoluene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	4-Methyl-2-pentanone (MIBK)	5.00	2.00 U	2.00 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Acetone	25.0	20.0 U	20.0 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Benzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Bromobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Bromochloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Bromodichloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Bromoform	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Bromomethane	5.00	4.00 U	4.00 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Carbon disulfide	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Carbon Tetrachloride	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Chlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Chloroethane	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Chloroform	1.00	0.500 U	0.500 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
LF6VMW-13RD-0822 FA98468-5	N	Chloromethane	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	cis-1,2-Dichloroethene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	cis-1,3-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Cumene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Dibromochloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Dibromomethane	2.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Dichlorodifluoromethane	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Ethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Hexachlorobutadiene	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	m,p-Xylene	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Methyl tert-butyl ether (MTBE)	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Methylene chloride	5.00	4.00 U	4.00 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Naphthalene	5.00	2.00 U	2.00 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	n-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	n-Propylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	o-Xylene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	p-Cymene (p-Isopropyltoluene)	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Styrene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	tert-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Tetrachloroethene (PCE)	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Toluene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	trans-1,2-Dichloroethene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	trans-1,3-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Trichloroethene (TCE)	1.00	0.500 U	0.500 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Trichlorofluoromethane	2.00	1.00 U	1.00 UJ		ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Vinyl acetate	10.0	5.00 U	5.00 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		**Extraction Method: SW5030B**						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
LF6VMW-13RD-0822 FA98468-5	N	Vinyl chloride	1.00	2.60	2.60 J	-	ug/l	P
LF6VMW-13RD-0822 FA98468-5	N	Xylenes, Total	3.00	1.50 U	1.50 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,1,1,2-Tetrachloroethane	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,1,1-Trichloroethane	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,1,2,2-Tetrachloroethane	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,1,2-Trichloroethane	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,1-Dichloroethane	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,1-Dichloroethene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,1-Dichloropropene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,2,3-Trichlorobenzene	4.00	2.00 U	2.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,2,3-Trichloropropane	4.00	2.00 U	2.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,2,4-Trichlorobenzene	4.00	2.00 U	2.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,2,4-Trimethylbenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,2-Dibromo-3-chloropropane	10.0	4.00 U	4.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,2-Dibromoethane (EDB)	4.00	2.00 U	2.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,2-Dichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,2-Dichloroethane	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,2-Dichloroethene	4.00	24.2	24.2 J	-	ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,2-Dichloropropane	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,3,5-Trimethylbenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,3-Dichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,3-Dichloropropane	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	1,4-Dichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	2,2-Dichloropropane	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	2-Butanone (MEK)	10.0	7.00 U	7.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	2-Chlorotoluene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	2-Hexanone	20.0	10.0 U	10.0 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		**Extraction Method: SW5030B**						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
WL-LF6TW-36-0822 FA98468-7	N	4-Chlorotoluene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	4-Methyl-2-pentanone (MIBK)	10.0	4.00 U	4.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Acetone	50.0	40.0 U	40.0 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Benzene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Bromobenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Bromochloromethane	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Bromodichloromethane	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Bromoform	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Bromomethane	10.0	8.00 U	8.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Carbon disulfide	4.00	2.00 U	2.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Carbon Tetrachloride	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Chlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Chloroethane	4.00	2.00 U	2.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Chloroform	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Chloromethane	4.00	2.00 U	2.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	cis-1,2-Dichloroethene	2.00	23.1	23.1 J	-	ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	cis-1,3-Dichloropropene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Cumene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Dibromochloromethane	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Dibromomethane	4.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Dichlorodifluoromethane	4.00	2.00 U	2.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Ethylbenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Hexachlorobutadiene	4.00	2.00 U	2.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	m,p-Xylene	4.00	2.00 U	2.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Methyl tert-butyl ether (MTBE)	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Methylene chloride	10.0	5.50 J	5.50 J	-	ug/l	TR/P
WL-LF6TW-36-0822 FA98468-7	N	Naphthalene	10.0	4.00 U	4.00 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
WL-LF6TW-36-0822 FA98468-7	N	n-Butylbenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	n-Propylbenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	o-Xylene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	p-Cymene (p-Isopropyltoluene)	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	sec-Butylbenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Styrene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	tert-Butylbenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Tetrachloroethene (PCE)	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Toluene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	trans-1,2-Dichloroethene	2.00	1.10 J	1.10 J	-	ug/l	TR/P
WL-LF6TW-36-0822 FA98468-7	N	trans-1,3-Dichloropropene	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Trichloroethene (TCE)	2.00	111	111 J	-	ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Trichlorofluoromethane	4.00	2.00 U	2.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Vinyl acetate	20.0	10.0 U	10.0 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Vinyl chloride	2.00	1.00 U	1.00 UJ		ug/l	P
WL-LF6TW-36-0822 FA98468-7	N	Xylenes, Total	6.00	3.00 U	3.00 UJ		ug/l	P

Test Method: SW9056A		Extraction Method: METHOD						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
LF6MW-12-0822 FA98468-1	N	Sulfate	10.0	19.0	19.0 J	-	mg/l	M
WL-LF6TW-38-0822 FA98468-8	N	Sulfate	10.0	29.3	29.3 J	-	mg/l	M

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.
Trace values are not included in the qualified results table unless additional reason codes are associated.

Reason Code Definitions

Code	Definition
C	LCS Recovery
L	Lab Blank
M	MS Recovery
P	Sample preservation/collection requirement not met.
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
J	Estimated Value
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.
NJ	The analyte has been tentatively identified or presumptively as present and the associated numerical value was the estimated concentration in the sample.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
X	Result may require rejection; PDT attention required

Bias

-	The result may be biased low
+	The result may be biased high

Note - The bias field is a separate field; however, it is an integral part of the final flag (qualifier) on the sample result

Review Questions

Method: RSK175 (Dissolved Gas Analysis in Water Samples Using a GC Headspace Equilibrium Technique)				
Review Questions	Yes	No	NA	Comment
Were all samples documented correctly on the chain-of-custody (COC)?	•			
Did samples listed on the COCs match the sample labels?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?	•			
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)	•			
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?			•	
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?	•			
Was a MS/MSD pair prepared with each batch?		•		Not SDG specific.
Were MS/MSD recoveries within project acceptance limits?			•	
Was the MS/MSD RPD within project acceptance limits?			•	
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were surrogate recoveries within project acceptance limits?			•	
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?			•	
Were reported sample concentrations within calibration range?	•			
Were Instrument Performace Checks (Degradation Checks) performed and within acceptace criteria?			•	
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			

Review Questions

Method: RSK175 (Dissolved Gas Analysis in Water Samples Using a GC Headspace Equilibrium Technique)				
Review Questions	Yes	No	NA	Comment
Were CCVs run at the required frequency and within project acceptance criteria?	•			
Were internal standard retention times and area criteria within method requirements?			•	
Were internal standards spiked for every sample, standard, and QC sample?			•	
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Was a Cleanup Procedure required (Cleanup Recovery Checks) verified and within acceptance limits?			•	
Was a Second Column/Detector used and the column difference within acceptance limits?			•	
Were certificates of standard traceability and documentation of standard solution preparation provided?		•		Lot numbers and expiration dates provided for standards/reagents, but no certificates for traceability provided. No further action.
Were recalculation of QC Elements and Sample Results performed?	•			
For internal standard calibration, were Relative Retention Times (RRTs) within ± 0.06 RRT units and updated with the latest daily CCV?			•	
Were chromatograms checked for peak integration when manually integrated?	•			
Were chromatograms checked for correct baseline/peak integration and possible interferences?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?			•	
Were any data recommended for exclusion in the data validation process?		•		

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)				
Review Questions	Yes	No	NA	Comment
Were all samples documented correctly on the chain-of-custody (COC)?	•			
Did samples listed on the COCs match the sample labels?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?		•		The laboratory noted headspace in samples FA98468-4, 5 and 7 larger than 6mm. Samples were qualified J-/UJ.
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)		•		Various compounds are reported with detections and non-detects at levels (LOQs) greater than the project PQGs. Additionally, it was noted that LOQs were greater than project PALs.
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?	•			
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?		•		See QC outliers
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were LCS/LCSD recoveries within project acceptance limits?		•		See QC outliers
Was the LCS/LCSD RPD within project acceptance limits?			•	LCS only
Was a MS/MSD pair prepared with each batch?		•		Not SDG specific.
Were MS/MSD recoveries within project acceptance limits?			•	
Was the MS/MSD RPD within project acceptance limits?			•	
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were surrogate recoveries within project acceptance limits?	•			
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?			•	
Were reported sample concentrations within calibration range?	•			
Was the GC/MS system properly tuned based on method criteria?	•			
Was instrument tuning completed every 12 hours during sample analysis?		•		ECCV outside of 12 hr window for analytical run V2P3560. No action required.

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)				
Review Questions	Yes	No	NA	Comment
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			
Were CCVs run at the required frequency and within project acceptance criteria?		•		It was noted various compounds out high for CCV/ECCV; however all associated samples ND. No further action.
Were internal standard retention times and area criteria within project acceptance criteria?	•			
Were internal standards spiked for every sample, standard, and QC sample?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Were certificates of standard traceability and documentation of standard solution preparation provided?		•		Lot numbers and expiration dates provided for standards/reagents, but no certificates for traceability provided. No further action.
Were recalculation of QC Elements and Sample Results performed?	•			
Were Relative Retention Times (RRTs) within ± 0.06 RRT units and updated with the latest daily CCV?	•			
Were chromatograms checked for peak integration? (10% of automated integration and 100% of manual integrations)	•			
Were chromatograms checked for correct baseline/peak integration and possible interferences?	•			
Were qualitative ion mass present?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?		•		CCV and LCS samples were outside control limits and samples were not re-analyzed.
Were any data recommended for exclusion in the data validation process?		•		

Review Questions

Method: SW9056A (Anion Chromatography)

Review Questions	Yes	No	NA	Comment
Were all samples documented correctly on the chain-of-custody (COC)?	•			
Did samples listed on the COCs match the sample labels?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?	•			
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)	•			
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?			•	
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?			•	LCS only
Was a MS/MSD pair prepared with each batch?	•			
Were MS/MSD recoveries within project acceptance limits?		•		See QC outliers
Was the MS/MSD RPD within project acceptance limits?	•			
Were Post Spike (PS) recoveries within project acceptance limits?			•	
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?			•	
Were reported sample concentrations within calibration range?	•			
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			
Were CCVs run at the required frequency and within project acceptance criteria?	•			

Review Questions

Method: SW9056A (Anion Chromatography)

Review Questions	Yes	No	NA	Comment
Were ICB/CCBs run at the required frequency and within acceptance criteria?	•			
Was a Low Level Calibration Check Verification (LLCCV) analyzed prior to sample and within acceptance criteria?			•	
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Were certificates of standard traceability provided and documentation of standard solution preparation?		•		Lot numbers and expiration dates provided for standards/reagents, but no certificates for traceability provided. No further action.
Were recalculation of QC Elements and Sample Results performed?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?			•	
Were any data recommended for exclusion in the data validation process?		•		

Review Questions

Method: SW9060A (Total Organic Carbon)

Review Questions	Yes	No	NA	Comment
Were all samples documented correctly on the chain-of-custody (COC)?	•			
Did samples listed on the COCs match the sample labels?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?		•		Sample FA98468-6 received with a pH >2. Sample was preserved prior to analysis and no action was taken on this basis.
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)	•			
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?			•	
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?			•	LCS only
Was a MS/MSD pair prepared with each batch?		•		Non-SDG specific MS/MSD
Were MS/MSD recoveries within project acceptance limits?			•	
Was the MS/MSD RPD within project acceptance limits?			•	
Were Post Spike (PS) recoveries within project acceptance limits?			•	
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?			•	
Were reported sample concentrations within calibration range?	•			
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			
Were CCVs run at the required frequency and within project acceptance criteria?	•			

Review Questions

Method: SW9060A (Total Organic Carbon)				
Review Questions	Yes	No	NA	Comment
Were ICB/CCBs run at the required frequency and within acceptance criteria?	•			
Was a Low Level Calibration Check Verification (LLCCV) analyzed prior to sample and within acceptance criteria?			•	
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Were certificates of standard traceability provided and documentation of standard solution preparation?		•		Lot numbers and expiration dates provided for standards/reagents, but no certificates for traceability provided. No further action.
Were recalculation of QC Elements and Sample Results performed?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?			•	
Were any data recommended for exclusion in the data validation process?		•		

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Facility:	Griffiss Air Force Base, BECOS
Event:	2022 Griffiss Petro Q3
SDG:	FA98517
Guidance Document:	Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022
Prime Contractor:	Bhate Environmental Associates, Inc.
Project Manager:	Frank Gardner
Contract Laboratory(ies):	SGS North America, Inc., Orlando, FL
Data Review Contractor:	Synectics, Sacramento, CA
Data Review Level:	S2BVEM
Primary Data Reviewer:	Kathryn Cantone, Data Review Chemist
Second Reviewer:	Evin McKinney, Senior Scientist
Date Submitted:	December 14, 2022

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	RSK175	SW8260D	SW9056A	SW9060A
LF6MW-16-0822	FA98517-1	Water	Field Sample/N	X	X	X	X
LF6MW-16-0822	FA98517-1F	Water	Field Sample/N				X
LF6MW-16-0822-A	FA98517-7	Water	Field Duplicate/FD	X	X	X	X
LF6MW-16-0822-A	FA98517-7F	Water	Field Duplicate/FD				X
LF6MW-17-0822	FA98517-2	Water	Field Sample/N	X	X	X	X
LF6MW-17-0822	FA98517-2F	Water	Field Sample/N				X
LF6MW-20-0822	FA98517-3	Water	Field Sample/N	X	X	X	X
LF6MW-20-0822	FA98517-3F	Water	Field Sample/N				X
LF6-TB02-0822-C	FA98517-6	Water	Trip Blank/TB		X		
WL-LF6TW-33-0822	FA98517-4	Water	Field Sample/N	X	X	X	X
WL-LF6TW-33-0822	FA98517-4F	Water	Field Sample/N				X
WL-LF6TW-34-0822	FA98517-5	Water	Field Sample/N	X	X	X	X
WL-LF6TW-34-0822	FA98517-5F	Water	Field Sample/N				X

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page at S2BVEM data validation level. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022 and the additional guidance documents incorporated by reference to the extent possible. Where definitive guidance is not provided, results have been evaluated in a conservative manner using professional judgment.

Sample collection was managed and directed by Bhate Environmental Associates, Inc.; analyses were performed by SGS North America, Inc., Orlando, FL and were reported under sample delivery group (SDG) FA98517. Data have been evaluated electronically based on electronic data deliverables (EDDs) provided by the laboratory, and hard copy data summary forms have also been reviewed during this effort and compared to the automated review output by the reviewers whose signatures appear on the following page. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative and throughout this report.

All quality control (QC) elements associated with this SDG have been reviewed by a project chemist in accordance with the requirements defined for the project. This review is documented in the attached Data Review Checklists. The QC elements listed below were supported by the electronic deliverable and were evaluated using ADR processes.

- Field Duplicate RPD
- Lab Blank
- Lab Replicate RPD
- LCS Recovery
- LCS RPD
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time
- Trip Blank

Results of the ADR process were subsequently reviewed and updated as applicable by the data review chemists identified on the signature page. Quality control elements that were not included in the electronic deliverable were reviewed manually and findings are documented within this report. Summaries of findings and associated qualified results are documented throughout this report.

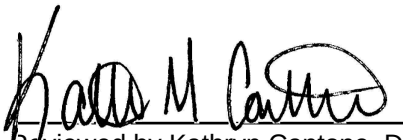
A total of 74 results (14.45%) out of the 512 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected or deemed a serious deficiency (X qualifier). Trace values, defined as results that are qualified as estimated because they fall between the detection limit and the reporting limit/limit of quantitation, are not counted as qualified results in the above count. The qualified results are detailed throughout this report and discussed in the narrative below, where appropriate.

Narrative Comments

Requested analysis on COC is "SW9056A (A)", but non-preserved bottles we received are only labeled for "SO4" analysis.

For sample -1, ID: "LF6MW-16-0822", all six vials received with headspace.
For sample -5, ID: "WL-LF6TW-34-0822", one vial received with headspace.
For sample -7, ID: "LF6MW-16-0822-A", all six vials received with headspace.

Analytical Method	Data Reviewer Comment
RSK175	No additional comments; see Checklist for detail.
SW8260D	The laboratory noted MS out of control and sample containers with head space >6mm.
SW9056A	It was noted MS/MSD out of control.
SW9060A	It was noted sample preservation was not met.



Reviewed by Kathryn Cantone, Data Review Chemist, Synectics, Sacramento, CA — December 05, 2022

As the First Reviewer, I certify that I have performed a data review process in accordance with the requirements of the project guidance document, and have compared the electronic data to the laboratory's hard copy report and have verified the consistency of the reported sample results and method quality control data between the two deliverables.



Reviewed by Evin McKinney, Senior Scientist, Synectics, Sacramento, CA — December 14, 2022

As the Second Reviewer, I certify that I have performed a quality assurance review of the report generated by the First Reviewer.

Quality Control Outliers for test method RSK175, Field Duplicate RPD

Field duplicate analyses are performed in order to assess sample collection/laboratory precision for each sample matrix. Summary forms were evaluated and compared to electronic data deliverables. Field duplicate results that were outside of the acceptance criteria are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
LF6MW-16-0822-A (N)	Methane	194.0	< 30	< 30	rpd	J/None	D3	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

Qualified Results associated with the Field Duplicate RPD for RSK175

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
LF6MW-16-0822 FA98517-1	N	Methane	0.000500	0.143	0.143 J		mg/l	D3
LF6MW-16-0822-A FA98517-7	FD	Methane	0.0100	9.43	9.43 J		mg/l	D3

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.

Quality Control Outliers for test method SW8260D, Field Duplicate RPD

Field duplicate analyses are performed in order to assess sample collection/laboratory precision for each sample matrix. Summary forms were evaluated and compared to electronic data deliverables. Field duplicate results that were outside of the acceptance criteria are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
LF6MW-16-0822-A (N)	Trichloroethene (TCE)	104.5	< 30	< 30	rpd	J/None	D3	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

Qualified Results associated with the Field Duplicate RPD for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
LF6MW-16-0822 FA98517-1	N	Trichloroethene (TCE)	5.00	8.00	8.00 J		ug/l	D3/P
LF6MW-16-0822-A FA98517-7	FD	Trichloroethene (TCE)	5.00	25.5	25.5 J		ug/l	D3

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.

Quality Control Outliers for test method SW8260D, MS Recovery

Data for matrix spikes/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. These data alone cannot be used to evaluate the precision and accuracy of individual samples. However, when exercising professional judgment, MS/MSD data can be used in conjunction with other available QC information. Reported results were evaluated to determine compliance with the required acceptance criteria, and summary forms were evaluated and compared to electronic data deliverables. Findings of this review, and any associated qualified results, are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
WL-LF6TW-33-0822 (MS)	Bromomethane	45.00	59 - 143	59 - 143	percent	J/UJ	M	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

Qualified Results associated with the MS Recovery for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
WL-LF6TW-33-0822 FA98517-4	N	Bromomethane	5.00	4.00 U	4.00 UJ		ug/l	M

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.

Quality Control Outliers for test method SW8260D, MS RPD

The objective of matrix spikes/matrix spike duplicates (MS/MSD) RPD analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. MS/MSD analyses are also performed to generate data that determines the long-term precision of the analytical method on various matrices. Non-homogenous samples can impact the apparent method precision. Summary forms were evaluated and compared to electronic data deliverables. Matrix spikes/matrix spike duplicates results that were outside of the acceptance criteria are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
WL-LF6TW-33-0822 (SD)	Bromomethane	29.66	< 19	< 19	rpd	J/None	D	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

No results associated with this QC element required qualification.

Quality Control Outliers for test method SW8260D, Test Hold Time

Hold times are ascertained based on project requirements. Holding times were determined by comparing the chain of custody records with the dates of analysis found in the electronic data deliverable and laboratory summary forms. Findings of this review, and any associated qualified results, are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
WL-LF6TW-33-0822 (N)		16.35	< 14	< 28	days	J/UJ	H1	Test Exceeds UWL

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

Qualified Results associated with the Test Hold Time for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
WL-LF6TW-33-0822 FA98517-4	N	Trichloroethene (TCE)	2.00	92.6	92.6 J	-	ug/l	H1

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.

Quality Control Outliers for test method SW9056A, MS Recovery

Data for matrix spikes/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. These data alone cannot be used to evaluate the precision and accuracy of individual samples. However, when exercising professional judgment, MS/MSD data can be used in conjunction with other available QC information. Reported results were evaluated to determine compliance with the required acceptance criteria, and summary forms were evaluated and compared to electronic data deliverables. Findings of this review, and any associated qualified results, are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
WL-LF6TW-33-0822 (MS)	Sulfate	83.00	90 - 110	90 - 110	percent	J/UJ	M	
WL-LF6TW-33-0822 (SD)	Sulfate	82.00	90 - 110	90 - 110	percent	J/UJ	M	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

Qualified Results associated with the MS Recovery for SW9056A

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
WL-LF6TW-33-0822 FA98517-4	N	Sulfate	10.0	20.3	20.3 J	-	mg/l	M

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.

Table of All Qualified Results

Test Method: RSK175		Extraction Method: METHOD						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
LF6MW-16-0822 FA98517-1	N	Methane	0.000500	0.143	0.143 J		mg/l	D3
LF6MW-16-0822-A FA98517-7	FD	Methane	0.0100	9.43	9.43 J		mg/l	D3

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
LF6MW-16-0822 FA98517-1	N	1,1,1,2-Tetrachloroethane	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,1,1-Trichloroethane	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,1,2,2-Tetrachloroethane	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,1,2-Trichloroethane	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,1-Dichloroethane	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,1-Dichloroethene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,1-Dichloropropene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,2,3-Trichlorobenzene	10.0	5.00 U	5.00 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,2,3-Trichloropropane	10.0	5.00 U	5.00 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,2,4-Trichlorobenzene	10.0	5.00 U	5.00 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,2,4-Trimethylbenzene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,2-Dibromo-3-chloropropane	25.0	10.0 U	10.0 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,2-Dibromoethane (EDB)	10.0	5.00 U	5.00 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,2-Dichlorobenzene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,2-Dichloroethane	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,2-Dichloroethene	10.0	210	210 J		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,2-Dichloropropane	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,3,5-Trimethylbenzene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,3-Dichlorobenzene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,3-Dichloropropane	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	1,4-Dichlorobenzene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	2,2-Dichloropropane	5.00	2.50 U	2.50 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
LF6MW-16-0822 FA98517-1	N	2-Butanone (MEK)	25.0	18.0 U	18.0 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	2-Chlorotoluene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	2-Hexanone	50.0	25.0 U	25.0 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	4-Chlorotoluene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	4-Methyl-2-pentanone (MIBK)	25.0	10.0 U	10.0 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Acetone	130	100 U	100 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Benzene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Bromobenzene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Bromochloromethane	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Bromodichloromethane	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Bromoform	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Bromomethane	25.0	20.0 U	20.0 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Carbon disulfide	10.0	5.00 U	5.00 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Carbon Tetrachloride	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Chlorobenzene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Chloroethane	10.0	5.00 U	5.00 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Chloroform	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Chloromethane	10.0	5.00 U	5.00 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	cis-1,2-Dichloroethene	5.00	205	205 J		ug/l	P
LF6MW-16-0822 FA98517-1	N	cis-1,3-Dichloropropene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Cumene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Dibromochloromethane	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Dibromomethane	10.0	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Dichlorodifluoromethane	10.0	5.00 U	5.00 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Ethylbenzene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Hexachlorobutadiene	10.0	5.00 U	5.00 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	m,p-Xylene	10.0	5.00 U	5.00 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
LF6MW-16-0822 FA98517-1	N	Methyl tert-butyl ether (MTBE)	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Methylene chloride	25.0	20.0 U	20.0 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Naphthalene	25.0	10.0 U	10.0 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	n-Butylbenzene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	n-Propylbenzene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	o-Xylene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	p-Cymene (p-Isopropyltoluene)	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	sec-Butylbenzene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Styrene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	tert-Butylbenzene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Tetrachloroethene (PCE)	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Toluene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	trans-1,2-Dichloroethene	5.00	5.00	5.00 J		ug/l	P
LF6MW-16-0822 FA98517-1	N	trans-1,3-Dichloropropene	5.00	2.50 U	2.50 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Trichloroethene (TCE)	5.00	8.00	8.00 J		ug/l	D3/P
LF6MW-16-0822 FA98517-1	N	Trichlorofluoromethane	10.0	5.00 U	5.00 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Vinyl acetate	50.0	25.0 U	25.0 UJ		ug/l	P
LF6MW-16-0822 FA98517-1	N	Vinyl chloride	5.00	5.90	5.90 J		ug/l	P
LF6MW-16-0822 FA98517-1	N	Xylenes, Total	15.0	7.50 U	7.50 UJ		ug/l	P
LF6MW-16-0822-A FA98517-7	FD	Trichloroethene (TCE)	5.00	25.5	25.5 J		ug/l	D3
WL-LF6TW-33-0822 FA98517-4	N	Bromomethane	5.00	4.00 U	4.00 UJ		ug/l	M
WL-LF6TW-33-0822 FA98517-4	N	Trichloroethene (TCE)	2.00	92.6	92.6 J	-	ug/l	H1

Table of All Qualified Results

Test Method: SW9056A		Extraction Method: METHOD						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
WL-LF6TW-33-0822 FA98517-4	N	Sulfate	10.0	20.3	20.3 J	-	mg/l	M

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.
Trace values are not included in the qualified results table unless additional reason codes are associated.

Table of Results with Modified Qualifiers

Modified Qualifiers for test method SW8260D

FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	ADR Result	Modified Result	Reason
LF6MW-16-0822 FA98517-1	N	1,1,1,2-Tetrachloroethane	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	1,1,1-Trichloroethane	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	1,1,2,2-Tetrachloroethane	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	1,1,2-Trichloroethane	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	1,1-Dichloroethane	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	1,1-Dichloroethene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	1,1-Dichloropropene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	1,2,3-Trichlorobenzene	10.0	5.00 U	5.00 U	5.00 UJ	P
LF6MW-16-0822 FA98517-1	N	1,2,3-Trichloropropane	10.0	5.00 U	5.00 U	5.00 UJ	P
LF6MW-16-0822 FA98517-1	N	1,2,4-Trichlorobenzene	10.0	5.00 U	5.00 U	5.00 UJ	P
LF6MW-16-0822 FA98517-1	N	1,2,4-Trimethylbenzene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	1,2-Dibromo-3-chloropropane	25.0	10.0 U	10.0 U	10.0 UJ	P
LF6MW-16-0822 FA98517-1	N	1,2-Dibromoethane (EDB)	10.0	5.00 U	5.00 U	5.00 UJ	P
LF6MW-16-0822 FA98517-1	N	1,2-Dichlorobenzene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	1,2-Dichloroethane	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	1,2-Dichloroethene	10.0	210	210	210 J	P
LF6MW-16-0822 FA98517-1	N	1,2-Dichloropropane	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	1,3,5-Trimethylbenzene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	1,3-Dichlorobenzene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	1,3-Dichloropropane	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	1,4-Dichlorobenzene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	2,2-Dichloropropane	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	2-Butanone (MEK)	25.0	18.0 U	18.0 U	18.0 UJ	P
LF6MW-16-0822 FA98517-1	N	2-Chlorotoluene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	2-Hexanone	50.0	25.0 U	25.0 U	25.0 UJ	P
LF6MW-16-0822 FA98517-1	N	4-Chlorotoluene	5.00	2.50 U	2.50 U	2.50 UJ	P

Table of Results with Modified Qualifiers

Modified Qualifiers for test method SW8260D							
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	ADR Result	Modified Result	Reason
LF6MW-16-0822 FA98517-1	N	4-Methyl-2-pentanone (MIBK)	25.0	10.0 U	10.0 U	10.0 UJ	P
LF6MW-16-0822 FA98517-1	N	Acetone	130	100 U	100 U	100 UJ	P
LF6MW-16-0822 FA98517-1	N	Benzene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Bromobenzene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Bromochloromethane	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Bromodichloromethane	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Bromoform	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Bromomethane	25.0	20.0 U	20.0 U	20.0 UJ	P
LF6MW-16-0822 FA98517-1	N	Carbon disulfide	10.0	5.00 U	5.00 U	5.00 UJ	P
LF6MW-16-0822 FA98517-1	N	Carbon Tetrachloride	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Chlorobenzene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Chloroethane	10.0	5.00 U	5.00 U	5.00 UJ	P
LF6MW-16-0822 FA98517-1	N	Chloroform	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Chloromethane	10.0	5.00 U	5.00 U	5.00 UJ	P
LF6MW-16-0822 FA98517-1	N	cis-1,2-Dichloroethene	5.00	205	205	205 J	P
LF6MW-16-0822 FA98517-1	N	cis-1,3-Dichloropropene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Cumene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Dibromochloromethane	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Dibromomethane	10.0	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Dichlorodifluoromethane	10.0	5.00 U	5.00 U	5.00 UJ	P
LF6MW-16-0822 FA98517-1	N	Ethylbenzene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Hexachlorobutadiene	10.0	5.00 U	5.00 U	5.00 UJ	P
LF6MW-16-0822 FA98517-1	N	m,p-Xylene	10.0	5.00 U	5.00 U	5.00 UJ	P
LF6MW-16-0822 FA98517-1	N	Methyl tert-butyl ether (MTBE)	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Methylene chloride	25.0	20.0 U	20.0 U	20.0 UJ	P
LF6MW-16-0822 FA98517-1	N	Naphthalene	25.0	10.0 U	10.0 U	10.0 UJ	P
LF6MW-16-0822 FA98517-1	N	n-Butylbenzene	5.00	2.50 U	2.50 U	2.50 UJ	P

Table of Results with Modified Qualifiers

Modified Qualifiers for test method SW8260D

FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	ADR Result	Modified Result	Reason
LF6MW-16-0822 FA98517-1	N	n-Propylbenzene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	o-Xylene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	p-Cymene (p-Isopropyltoluene)	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	sec-Butylbenzene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Styrene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	tert-Butylbenzene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Tetrachloroethene (PCE)	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Toluene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	trans-1,2-Dichloroethene	5.00	5.00	5.00	5.00 J	P
LF6MW-16-0822 FA98517-1	N	trans-1,3-Dichloropropene	5.00	2.50 U	2.50 U	2.50 UJ	P
LF6MW-16-0822 FA98517-1	N	Trichloroethene (TCE)	5.00	8.00	8.00 J	8.00 J	D3/P
LF6MW-16-0822 FA98517-1	N	Trichlorofluoromethane	10.0	5.00 U	5.00 U	5.00 UJ	P
LF6MW-16-0822 FA98517-1	N	Vinyl acetate	50.0	25.0 U	25.0 U	25.0 UJ	P
LF6MW-16-0822 FA98517-1	N	Vinyl chloride	5.00	5.90	5.90	5.90 J	P
LF6MW-16-0822 FA98517-1	N	Xylenes, Total	15.0	7.50 U	7.50 U	7.50 UJ	P

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.
Trace values are not included in the qualified results table unless additional reason codes are associated.

Reason Code Definitions

Code	Definition
D	MS RPD
D3	Field Duplicate RPD
H1	Test Hold Time
M	MS Recovery
P	Sample preservation/collection requirement not met.
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
J	Estimated Value
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.

NJ	The analyte has been tentatively identified or presumptively as present and the associated numerical value was the estimated concentration in the sample.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
X	Result may require rejection; PDT attention required

Bias	
-	The result may be biased low
+	The result may be biased high
Note - The bias field is a separate field; however, it is an integral part of the final flag (qualifier) on the sample result	

Review Questions

Method: RSK175 (Dissolved Gas Analysis in Water Samples Using a GC Headspace Equilibrium Technique)				
Review Questions	Yes	No	NA	Comment
Were all samples documented correctly on the chain-of-custody (COC)?	•			
Did samples listed on the COCs match the sample labels?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?	•			
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)	•			
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?			•	
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?	•			
Was a MS/MSD pair prepared with each batch?	•			
Were MS/MSD recoveries within project acceptance limits?	•			
Was the MS/MSD RPD within project acceptance limits?	•			
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were surrogate recoveries within project acceptance limits?			•	
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?		•		See QC outliers
Were reported sample concentrations within calibration range?	•			
Were Instrument Performace Checks (Degradation Checks) performed and within acceptace criteria?	•			
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			

Review Questions

Method: RSK175 (Dissolved Gas Analysis in Water Samples Using a GC Headspace Equilibrium Technique)				
Review Questions	Yes	No	NA	Comment
Were CCVs run at the required frequency and within project acceptance criteria?	•			
Were internal standard retention times and area criteria within method requirements?			•	
Were internal standards spiked for every sample, standard, and QC sample?			•	
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Was a Cleanup Procedure required (Cleanup Recovery Checks) verified and within acceptance limits?			•	
Was a Second Column/Detector used and the column difference within acceptance limits?			•	
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?			•	
Were any data recommended for exclusion in the data validation process?		•		

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)				
Review Questions	Yes	No	NA	Comment
Were all samples documented correctly on the chain-of-custody (COC)?	•			
Did samples listed on the COCs match the sample labels?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?		•		The laboratory noted headspace in sample FA98517-1 larger than 6mm. Sample was qualified J-/UJ with P reason code.
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)		•		Various compounds are reported with detections and non-detects at levels (LOQs) greater than the project PQGs. Additionally, it was noted that LOQs were greater than project PALs.
Were holding times met?		•		See QC outliers
Were trip blanks analyzed at the proper frequency and in control?	•			
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			LCS only
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?			•	
Was a MS/MSD pair prepared with each batch?	•			One of the two batches had a MS/MSD not from SDG.
Were MS/MSD recoveries within project acceptance limits?		•		See QC outliers
Was the MS/MSD RPD within project acceptance limits?		•		See QC outliers
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were surrogate recoveries within project acceptance limits?	•			
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?		•		See QC outliers
Were reported sample concentrations within calibration range?	•			
Was the GC/MS system properly tuned based on method criteria?	•			
Was instrument tuning completed every 12 hours during sample analysis?	•			

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)				
Review Questions	Yes	No	NA	Comment
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			
Were CCVs run at the required frequency and within project acceptance criteria?	•			
Were internal standard retention times and area criteria within project acceptance criteria?	•			
Were internal standards spiked for every sample, standard, and QC sample?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?	•			
Were any data recommended for exclusion in the data validation process?		•		

Review Questions

Method: SW9056A (Anion Chromatography)

Review Questions	Yes	No	NA	Comment
Were all samples documented correctly on the chain-of-custody (COC)?	•			
Did samples listed on the COCs match the sample labels?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?	•			
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)	•			
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?			•	
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			LCS only
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?			•	
Was a MS/MSD pair prepared with each batch?	•			
Were MS/MSD recoveries within project acceptance limits?		•		See QC outliers
Was the MS/MSD RPD within project acceptance limits?	•			
Were Post Spike (PS) recoveries within project acceptance limits?			•	
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?	•			
Were reported sample concentrations within calibration range?	•			
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			
Were CCVs run at the required frequency and within project acceptance criteria?	•			

Review Questions

Method: SW9056A (Anion Chromatography)				
Review Questions	Yes	No	NA	Comment
Were ICB/CCBs run at the required frequency and within acceptance criteria?	•			
Was a Low Level Calibration Check Verification (LLCCV) analyzed prior to sample and within acceptance criteria?			•	
Were internal standard recoveries within project acceptance limits?			•	
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?			•	
Were any data recommended for exclusion in the data validation process?		•		

Review Questions

Method: SW9060A (Total Organic Carbon)

Review Questions	Yes	No	NA	Comment
Were all samples documented correctly on the chain-of-custody (COC)?	•			
Did samples listed on the COCs match the sample labels?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?		•		Samples were received with pH >2; however, they were adjusted at the lab prior to analysis. No action was taken on this basis.
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)	•			
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?			•	
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			LCS only
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?			•	
Was a MS/MSD pair prepared with each batch?	•			
Were MS/MSD recoveries within project acceptance limits?	•			
Was the MS/MSD RPD within project acceptance limits?	•			
Were Post Spike (PS) recoveries within project acceptance limits?			•	
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?	•			
Were reported sample concentrations within calibration range?	•			
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			
Were CCVs run at the required frequency and within project acceptance criteria?	•			

Review Questions

Method: SW9060A (Total Organic Carbon)				
Review Questions	Yes	No	NA	Comment
Were ICB/CCBs run at the required frequency and within acceptance criteria?	•			
Was a Low Level Calibration Check Verification (LLCCV) analyzed prior to sample and within acceptance criteria?			•	
Were internal standard recoveries within project acceptance limits?			•	
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?			•	
Were any data recommended for exclusion in the data validation process?		•		

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APPENDIX C-4 SD052-05 BUILDING 817/WSA DATA VALIDATION REPORTS

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Facility:	Griffiss Air Force Base, BECOS
Event:	2022 Griffiss Petro Q3
SDG:	FA98431
Guidance Document:	Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022
Prime Contractor:	Bhate Environmental Associates, Inc.
Project Manager:	Frank Gardner
Contract Laboratory(ies):	SGS North America, Inc., Orlando, FL
Data Review Contractor:	Synectics, Sacramento, CA
Data Review Level:	S2BVEM
Primary Data Reviewer:	Kathryn Cantone, Data Review Chemist
Second Reviewer:	Evin McKinney, Senior Scientist
Date Submitted:	December 14, 2022

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	RSK175	SW8260D	SW9056A	SW9060A
B817-MW-002-0822	FA98431-1	Water	Field Sample/N	X	X	X	X
B817-MW-002-0822	FA98431-1F	Water	Field Sample/N				X
B817-MW-003-0822	FA98431-2	Water	Field Sample/N	X	X	X	X
B817-MW-003-0822	FA98431-2F	Water	Field Sample/N				X
WSA-MW16-0822	FA98431-3	Water	Field Sample/N	X	X	X	X
WSA-MW16-0822	FA98431-3F	Water	Field Sample/N				X
WSA-MW16-0822-A	FA98431-11	Water	Field Duplicate/FD	X	X	X	X
WSA-MW16-0822-A	FA98431-11F	Water	Field Duplicate/FD				X
WSA-MW18-0822	FA98431-4	Water	Field Sample/N	X	X	X	X
WSA-MW18-0822	FA98431-4F	Water	Field Sample/N				X
WSA-MW19-0822	FA98431-5	Water	Field Sample/N	X	X	X	X
WSA-MW19-0822	FA98431-5F	Water	Field Sample/N				X
WSA-MW21-0822	FA98431-6	Water	Field Sample/N	X	X	X	X
WSA-MW21-0822	FA98431-6F	Water	Field Sample/N				X
WSA-MW23-0822	FA98431-7	Water	Field Sample/N	X	X	X	X
WSA-MW23-0822	FA98431-7F	Water	Field Sample/N				X
WSA-MW9-0822	FA98431-8	Water	Field Sample/N	X	X	X	X
WSA-MW9-0822	FA98431-8F	Water	Field Sample/N				X
WSA-TB01-0822-C	FA98431-10	Water	Trip Blank/TB		X		

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	RSK175	SW8260D	SW9056A	SW9060A
WSA-VMW17-0822	FA98431-9	Water	Field Sample/N	X	X	X	X
WSA-VMW17-0822	FA98431-9F	Water	Field Sample/N				X

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page at S2BVEM data validation level. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022 and the additional guidance documents incorporated by reference to the extent possible. Where definitive guidance is not provided, results have been evaluated in a conservative manner using professional judgment.

Sample collection was managed and directed by Bhate Environmental Associates, Inc.; analyses were performed by SGS North America, Inc., Orlando, FL and were reported under sample delivery group (SDG) FA98431. Data have been evaluated electronically based on electronic data deliverables (EDDs) provided by the laboratory, and hard copy data summary forms have also been reviewed during this effort and compared to the automated review output by the reviewers whose signatures appear on the following page. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative and throughout this report.

All quality control (QC) elements associated with this SDG have been reviewed by a project chemist in accordance with the requirements defined for the project. This review is documented in the attached Data Review Checklists. The QC elements listed below were supported by the electronic deliverable and were evaluated using ADR processes.

- Field Duplicate RPD
- Lab Blank
- Lab Replicate RPD
- LCS Recovery
- LCS RPD
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time
- Trip Blank

Results of the ADR process were subsequently reviewed and updated as applicable by the data review chemists identified on the signature page. Quality control elements that were not included in the electronic deliverable were reviewed manually and findings are documented within this report. Summaries of findings and associated qualified results are documented throughout this report.

A total of 272 results (33.66%) out of the 808 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected or deemed a serious deficiency (X qualifier). Trace values, defined as results that are qualified as estimated because they fall between the detection limit and the reporting limit/limit of quantitation, are not counted as qualified results in the above count. The qualified results are detailed throughout this report and discussed in the narrative below, where appropriate.

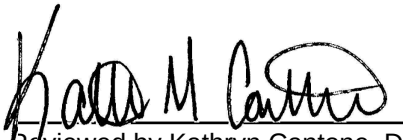
Narrative Comments

Corrections on the COC were not initialed or dated.

Requested analysis on COC is "SW9056A", but bottle labels only request "SO4" analysis.

For sample -1, id: "B817-MW-002-0822", one vial received with headspace.
For sample -3, id: "WSA-MW16-0822", one vial received with headspace.
For sample -6, id: "WSA-MW21-0822", two vials received broken. Two vials received with headspace.
For sample -11, id: "WSA-MW16-0822-a", three vials received with headspace.

Analytical Method	Data Reviewer Comment
RSK175	No additional comments; see Checklist for detail.
SW8260D	It was noted method blank, LCS, MS/MSD, and CCV/ECCV were out of control.
SW9056A	No additional comments; see Checklist for detail.
SW9060A	It was noted dissolved samples were filtered in laboratory prior to analysis.



December 11, 2022

Reviewed by Kathryn Cantone, Data Review Chemist, Synectics, Sacramento, CA

As the First Reviewer, I certify that I have performed a data review process in accordance with the requirements of the project guidance document, and have compared the electronic data to the laboratory's hard copy report and have verified the consistency of the reported sample results and method quality control data between the two deliverables.



Reviewed by Evin McKinney, Senior Scientist, Synectics, Sacramento, CA

December 14, 2022

As the Second Reviewer, I certify that I have performed a quality assurance review of the report generated by the First Reviewer.

Quality Control Outliers for test method SW8260D, Lab Blank

The purpose of laboratory blanks is to determine the existence and magnitude of cross-contamination problems resulting from laboratory activities. Reported results were evaluated to determine compliance with the required acceptance criteria. Summary forms were evaluated and compared to electronic data deliverables. Findings of this review, and contaminants found in laboratory blanks are listed below along with any associated qualified results.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
V2P3567-MB (LB)	2-Butanone (MEK)	2.400	< 2	< 5	ug/l	U/None*	L	
V2P3568-MB (LB)	2-Butanone (MEK)	2.400	< 2	< 5	ug/l	U/None*	L	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

*Blank flags displayed in the above table identify qualification of the sample result when it is less than or equal to the LOQ/RL. Sample results above the LOQ will be qualified based on the validation type such as J+ at the sample result.

No results associated with this QC element required qualification.

Quality Control Outliers for test method SW8260D, LCS Recovery

The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Reported results were evaluated to determine compliance with the required acceptance criteria, and summary forms were evaluated and compared to electronic data deliverables. Findings of this review, and any associated qualified results, are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
V2P3567-BS (BS)	Methyl tert-butyl ether (MTBE)	123.0	72 - 117	72 - 117	percent	J/None	C	
V2P3568-BS (BS)	Methyl tert-butyl ether (MTBE)	122.0	72 - 117	72 - 117	percent	J/None	C	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

No results associated with this QC element required qualification.

Quality Control Outliers for test method SW8260D, MS Recovery

Data for matrix spikes/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. These data alone cannot be used to evaluate the precision and accuracy of individual samples. However, when exercising professional judgment, MS/MSD data can be used in conjunction with other available QC information. Reported results were evaluated to determine compliance with the required acceptance criteria, and summary forms were evaluated and compared to electronic data deliverables. Findings of this review, and any associated qualified results, are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
WSA-MW21-0822 (MS)	1,1-Dichloroethane	123.0	81 - 122	81 - 122	percent	J/None	M	
WSA-MW21-0822 (SD)	1,1-Dichloroethane	124.0	81 - 122	81 - 122	percent	J/None	M	
WSA-MW21-0822 (MS)	Methyl tert-butyl ether (MTBE)	124.0	72 - 117	72 - 117	percent	J/None	M	
WSA-MW21-0822 (SD)	Methyl tert-butyl ether (MTBE)	127.0	72 - 117	72 - 117	percent	J/None	M	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

No results associated with this QC element required qualification.

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
WSA-MW16-0822 FA98431-3	N	1,1,1,2-Tetrachloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,1,1-Trichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,1,2,2-Tetrachloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,1,2-Trichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,1-Dichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,1-Dichloroethene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,1-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,2,3-Trichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,2,3-Trichloropropane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,2,4-Trichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,2,4-Trimethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,2-Dibromo-3-chloropropane	5.00	2.00 U	2.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,2-Dibromoethane (EDB)	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,2-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,2-Dichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,2-Dichloroethene	2.00	47.7	47.7 J	-	ug/l	P
WSA-MW16-0822 FA98431-3	N	1,2-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,3,5-Trimethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,3-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,3-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	1,4-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	2,2-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	2-Butanone (MEK)	5.00	3.50 U	3.50 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	2-Chlorotoluene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	2-Hexanone	10.0	5.00 U	5.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	4-Chlorotoluene	1.00	0.500 U	0.500 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
WSA-MW16-0822 FA98431-3	N	4-Methyl-2-pentanone (MIBK)	5.00	2.00 U	2.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Acetone	25.0	20.0 U	20.0 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Benzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Bromobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Bromochloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Bromodichloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Bromoform	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Bromomethane	5.00	4.00 U	4.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Carbon disulfide	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Carbon Tetrachloride	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Chlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Chloroethane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Chloroform	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Chloromethane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	cis-1,2-Dichloroethene	1.00	47.7	47.7 J	-	ug/l	P
WSA-MW16-0822 FA98431-3	N	cis-1,3-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Cumene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Dibromochloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Dibromomethane	2.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Dichlorodifluoromethane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Ethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Hexachlorobutadiene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	m,p-Xylene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Methyl tert-butyl ether (MTBE)	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Methylene chloride	5.00	4.00 U	4.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Naphthalene	5.00	2.00 U	2.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	n-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
WSA-MW16-0822 FA98431-3	N	n-Propylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	o-Xylene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	p-Cymene (p-Isopropyltoluene)	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Styrene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	tert-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Tetrachloroethene (PCE)	1.00	7.70	7.70 J	-	ug/l	P
WSA-MW16-0822 FA98431-3	N	Toluene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	trans-1,2-Dichloroethene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	trans-1,3-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Trichloroethene (TCE)	1.00	23.9	23.9 J	-	ug/l	P
WSA-MW16-0822 FA98431-3	N	Trichlorofluoromethane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Vinyl acetate	10.0	5.00 U	5.00 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Vinyl chloride	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822 FA98431-3	N	Xylenes, Total	3.00	1.50 U	1.50 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,1,1,2-Tetrachloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,1,1-Trichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,1,2,2-Tetrachloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,1,2-Trichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,1-Dichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,1-Dichloroethene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,1-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,2,3-Trichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,2,3-Trichloropropane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,2,4-Trichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,2,4-Trimethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,2-Dibromo-3-chloropropane	5.00	2.00 U	2.00 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
WSA-MW16-0822-A FA98431-11	FD	1,2-Dibromoethane (EDB)	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,2-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,2-Dichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,2-Dichloroethene	2.00	50.9	50.9 J	-	ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,2-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,3,5-Trimethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,3-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,3-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	1,4-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	2,2-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	2-Butanone (MEK)	5.00	3.50 U	3.50 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	2-Chlorotoluene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	2-Hexanone	10.0	5.00 U	5.00 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	4-Chlorotoluene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	4-Methyl-2-pentanone (MIBK)	5.00	2.00 U	2.00 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Acetone	25.0	20.0 U	20.0 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Benzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Bromobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Bromochloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Bromodichloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Bromoform	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Bromomethane	5.00	4.00 U	4.00 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Carbon disulfide	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Carbon Tetrachloride	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Chlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Chloroethane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Chloroform	1.00	0.500 U	0.500 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
WSA-MW16-0822-A FA98431-11	FD	Chloromethane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	cis-1,2-Dichloroethene	1.00	50.9	50.9 J	-	ug/l	P
WSA-MW16-0822-A FA98431-11	FD	cis-1,3-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Cumene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Dibromochloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Dibromomethane	2.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Dichlorodifluoromethane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Ethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Hexachlorobutadiene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	m,p-Xylene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Methyl tert-butyl ether (MTBE)	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Methylene chloride	5.00	4.00 U	4.00 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Naphthalene	5.00	2.00 U	2.00 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	n-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	n-Propylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	o-Xylene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	p-Cymene (p-Isopropyltoluene)	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Styrene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	tert-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Tetrachloroethene (PCE)	1.00	8.40	8.40 J	-	ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Toluene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	trans-1,2-Dichloroethene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	trans-1,3-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Trichloroethene (TCE)	1.00	23.9	23.9 J	-	ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Trichlorofluoromethane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Vinyl acetate	10.0	5.00 U	5.00 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		**Extraction Method: SW5030B**						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
WSA-MW16-0822-A FA98431-11	FD	Vinyl chloride	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW16-0822-A FA98431-11	FD	Xylenes, Total	3.00	1.50 U	1.50 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,1,1,2-Tetrachloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,1,1-Trichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,1,2,2-Tetrachloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,1,2-Trichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,1-Dichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,1-Dichloroethene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,1-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,2,3-Trichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,2,3-Trichloropropane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,2,4-Trichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,2,4-Trimethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,2-Dibromo-3-chloropropane	5.00	2.00 U	2.00 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,2-Dibromoethane (EDB)	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,2-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,2-Dichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,2-Dichloroethene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,2-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,3,5-Trimethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,3-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,3-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	1,4-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	2,2-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	2-Butanone (MEK)	5.00	3.50 U	3.50 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	2-Chlorotoluene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	2-Hexanone	10.0	5.00 U	5.00 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
WSA-MW9-0822 FA98431-8	N	4-Chlorotoluene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	4-Methyl-2-pentanone (MIBK)	5.00	2.00 U	2.00 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Acetone	25.0	20.0 U	20.0 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Benzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Bromobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Bromochloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Bromodichloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Bromoform	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Bromomethane	5.00	4.00 U	4.00 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Carbon disulfide	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Carbon Tetrachloride	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Chlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Chloroethane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Chloroform	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Chloromethane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	cis-1,2-Dichloroethene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	cis-1,3-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Cumene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Dibromochloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Dibromomethane	2.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Dichlorodifluoromethane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Ethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Hexachlorobutadiene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	m,p-Xylene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Methyl tert-butyl ether (MTBE)	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Methylene chloride	5.00	4.00 U	4.00 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Naphthalene	5.00	2.00 U	2.00 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		**Extraction Method: SW5030B**						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
WSA-MW9-0822 FA98431-8	N	n-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	n-Propylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	o-Xylene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	p-Cymene (p-Isopropyltoluene)	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Styrene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	tert-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Tetrachloroethene (PCE)	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Toluene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	trans-1,2-Dichloroethene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	trans-1,3-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Trichloroethene (TCE)	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Trichlorofluoromethane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Vinyl acetate	10.0	5.00 U	5.00 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Vinyl chloride	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-MW9-0822 FA98431-8	N	Xylenes, Total	3.00	1.50 U	1.50 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,1,1,2-Tetrachloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,1,1-Trichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,1,2,2-Tetrachloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,1,2-Trichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,1-Dichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,1-Dichloroethene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,1-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,2,3-Trichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,2,3-Trichloropropane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,2,4-Trichlorobenzene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,2,4-Trimethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
WSA-TB01-0822-C FA98431-10	TB	1,2-Dibromo-3-chloropropane	5.00	2.00 U	2.00 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,2-Dibromoethane (EDB)	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,2-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,2-Dichloroethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,2-Dichloroethene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,2-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,3,5-Trimethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,3-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,3-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	1,4-Dichlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	2,2-Dichloropropane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	2-Butanone (MEK)	5.00	3.50 U	3.50 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	2-Chlorotoluene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	2-Hexanone	10.0	5.00 U	5.00 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	4-Chlorotoluene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	4-Methyl-2-pentanone (MIBK)	5.00	2.00 U	2.00 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Acetone	25.0	20.0 U	20.0 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Benzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Bromobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Bromochloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Bromodichloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Bromoform	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Bromomethane	5.00	4.00 U	4.00 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Carbon disulfide	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Carbon Tetrachloride	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Chlorobenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Chloroethane	2.00	1.00 U	1.00 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
WSA-TB01-0822-C FA98431-10	TB	Chloroform	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Chloromethane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	cis-1,2-Dichloroethene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	cis-1,3-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Cumene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Dibromochloromethane	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Dibromomethane	2.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Dichlorodifluoromethane	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Ethylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Hexachlorobutadiene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	m,p-Xylene	2.00	1.00 U	1.00 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Methyl tert-butyl ether (MTBE)	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Methylene chloride	5.00	4.00 U	4.00 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Naphthalene	5.00	2.00 U	2.00 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	n-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	n-Propylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	o-Xylene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	p-Cymene (p-Isopropyltoluene)	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	sec-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Styrene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	tert-Butylbenzene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Tetrachloroethene (PCE)	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Toluene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	trans-1,2-Dichloroethene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	trans-1,3-Dichloropropene	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Trichloroethene (TCE)	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Trichlorofluoromethane	2.00	1.00 U	1.00 UJ		ug/l	P

Table of All Qualified Results

Test Method: SW8260D		Extraction Method: SW5030B						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
WSA-TB01-0822-C FA98431-10	TB	Vinyl acetate	10.0	5.00 U	5.00 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Vinyl chloride	1.00	0.500 U	0.500 UJ		ug/l	P
WSA-TB01-0822-C FA98431-10	TB	Xylenes, Total	3.00	1.50 U	1.50 UJ		ug/l	P

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.
Trace values are not included in the qualified results table unless additional reason codes are associated.

Reason Code Definitions

Code	Definition
C	LCS Recovery
L	Lab Blank
M	MS Recovery
P	Sample preservation/collection requirement not met.
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
J	Estimated Value
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.
NJ	The analyte has been tentatively identified or presumptively as present and the associated numerical value was the estimated concentration in the sample.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
X	Result may require rejection; PDT attention required

Bias

-	The result may be biased low
+	The result may be biased high

Note - The bias field is a separate field; however, it is an integral part of the final flag (qualifier) on the sample result

Review Questions

Method: RSK175 (Dissolved Gas Analysis in Water Samples Using a GC Headspace Equilibrium Technique)				
Review Questions	Yes	No	NA	Comment
Were all samples documented correctly on the chain-of-custody (COC)?	•			
Did samples listed on the COCs match the sample labels?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?	•			
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)	•			
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?			•	
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?	•			
Was a MS/MSD pair prepared with each batch?	•			one out of the two batches contained a non-sdg MS/MSD
Were MS/MSD recoveries within project acceptance limits?	•			
Was the MS/MSD RPD within project acceptance limits?	•			
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were surrogate recoveries within project acceptance limits?			•	
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?	•			
Were reported sample concentrations within calibration range?	•			
Were Instrument Performace Checks (Degradation Checks) performed and within acceptace criteria?			•	
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			

Review Questions

Method: RSK175 (Dissolved Gas Analysis in Water Samples Using a GC Headspace Equilibrium Technique)				
Review Questions	Yes	No	NA	Comment
Were CCVs run at the required frequency and within project acceptance criteria?	•			
Were internal standard retention times and area criteria within method requirements?			•	
Were internal standards spiked for every sample, standard, and QC sample?			•	
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Was a Cleanup Procedure required (Cleanup Recovery Checks) verified and within acceptance limits?			•	
Was a Second Column/Detector used and the column difference within acceptance limits?			•	
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?			•	
Were any data recommended for exclusion in the data validation process?		•		

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)				
Review Questions	Yes	No	NA	Comment
Were all samples documented correctly on the chain-of-custody (COC)?	•			
Did samples listed on the COCs match the sample labels?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?		•		The laboratory noted headspace in samples FA98431-3, 8, 10 and 11 larger than 6mm. Samples were qualified J-/UJ.
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)		•		Various compounds are reported with detections and non-detects at levels (LOQs) greater than the project PQGs. Additionally, it was noted that LOQs were greater than project PALs.
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?	•			
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?		•		See QC outliers
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were LCS/LCSD recoveries within project acceptance limits?		•		See QC outliers
Was the LCS/LCSD RPD within project acceptance limits?			•	LCS only
Was a MS/MSD pair prepared with each batch?	•			3 out of the 4 analytical batches had non-sdg ms/msds.
Were MS/MSD recoveries within project acceptance limits?		•		See QC outliers
Was the MS/MSD RPD within project acceptance limits?	•			
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were surrogate recoveries within project acceptance limits?	•			
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?	•			
Were reported sample concentrations within calibration range?	•			
Was the GC/MS system properly tuned based on method criteria?	•			
Was instrument tuning completed every 12 hours during sample analysis?		•		ECCV outside of 12 hr window for analytical run V2P3560. No action required.

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)				
Review Questions	Yes	No	NA	Comment
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			
Were CCVs run at the required frequency and within project acceptance criteria?		•		It was noted various compounds out high for CCV/ECCV; however all associated samples ND. No further action.
Were internal standard retention times and area criteria within project acceptance criteria?	•			
Were internal standards spiked for every sample, standard, and QC sample?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?		•		CCV and LCS samples were outside control limits and samples were not re-analyzed.
Were any data recommended for exclusion in the data validation process?		•		

Review Questions

Method: SW9056A (Anion Chromatography)

Review Questions	Yes	No	NA	Comment
Were all samples documented correctly on the chain-of-custody (COC)?	•			
Did samples listed on the COCs match the sample labels?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?	•			
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)	•			
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?			•	
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?			•	LCS only
Was a MS/MSD pair prepared with each batch?	•			
Were MS/MSD recoveries within project acceptance limits?	•			
Was the MS/MSD RPD within project acceptance limits?	•			
Were Post Spike (PS) recoveries within project acceptance limits?			•	
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?	•			
Were reported sample concentrations within calibration range?	•			
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			
Were CCVs run at the required frequency and within project acceptance criteria?	•			

Review Questions

Method: SW9056A (Anion Chromatography)				
Review Questions	Yes	No	NA	Comment
Were ICB/CCBs run at the required frequency and within acceptance criteria?	•			
Was a Low Level Calibration Check Verification (LLCCV) analyzed prior to sample and within acceptance criteria?			•	
Were internal standard recoveries within project acceptance limits?			•	
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?			•	
Were any data recommended for exclusion in the data validation process?		•		

Review Questions

Method: SW9060A (Total Organic Carbon)

Review Questions	Yes	No	NA	Comment
Were all samples documented correctly on the chain-of-custody (COC)?	•			
Did samples listed on the COCs match the sample labels?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?	•			
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)	•			
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?			•	
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?			•	LCS only
Was a MS/MSD pair prepared with each batch?	•			
Were MS/MSD recoveries within project acceptance limits?	•			
Was the MS/MSD RPD within project acceptance limits?	•			
Were Post Spike (PS) recoveries within project acceptance limits?			•	
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?	•			
Were reported sample concentrations within calibration range?	•			
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			
Were CCVs run at the required frequency and within project acceptance criteria?	•			

Review Questions

Method: SW9060A (Total Organic Carbon)

Review Questions	Yes	No	NA	Comment
Were ICB/CCBs run at the required frequency and within acceptance criteria?	•			
Was a Low Level Calibration Check Verification (LLCCV) analyzed prior to sample and within acceptance criteria?			•	
Were internal standard recoveries within project acceptance limits?			•	
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?			•	
Were any data recommended for exclusion in the data validation process?		•		

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APPENDIX C-5 SS062 AOC 9 WSA LANDFILL DATA VALIDATION REPORTS

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Facility:	Griffiss Air Force Base, BECOS
Event:	2022 Griffiss Petro Q3
SDG:	FA98456
Guidance Document:	DetailedDescription
Prime Contractor:	Bhate Environmental Associates, Inc.
Project Manager:	Frank Gardner
Contract Laboratory(ies):	SGS North America, Inc., Orlando, FL
Data Review Contractor:	Synectics, Sacramento, CA
Data Review Level:	S2BVEM
Primary Data Reviewer:	Kathryn Cantone, Data Review Chemist
Second Reviewer:	Evin McKinney, Senior Scientist
Date Submitted:	November 09, 2022

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	SW8260D
AOC9-MW07-0822	FA98456-10	Water	Field Sample/N	X
AOC9-MW14-0822	FA98456-1	Water	Field Sample/N	X
AOC9-MW15-0822	FA98456-2	Water	Field Sample/N	X
AOC9-MW17-0822	FA98456-3	Water	Field Sample/N	X
AOC9-MW18-0822	FA98456-4	Water	Field Sample/N	X
AOC9-MW19-0822	FA98456-5	Water	Field Sample/N	X
AOC9-MW19-0822-A	FA98456-9	Water	Field Duplicate/FD	X
AOC9-SW2PM-0822	FA98456-6	Water	Field Sample/N	X
AOC9-SW3PM-0822	FA98456-7	Water	Field Sample/N	X
AOC9-TB01-0822-C	FA98456-8	Water	Trip Blank/TB	X

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page at S2BVEM data validation level. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the DetailedDescription and the additional guidance documents incorporated by reference to the extent possible. Where definitive guidance is not provided, results have been evaluated in a conservative manner using professional judgment.

Sample collection was managed and directed by Bhate Environmental Associates, Inc.; analyses were performed by SGS North America, Inc., Orlando, FL and were reported under sample delivery group (SDG) FA98456. Data have been evaluated electronically based on electronic data deliverables (EDDs) provided by the laboratory, and hard copy data summary forms have also been reviewed during this effort and compared to the automated review output by the reviewers whose signatures appear on the following page. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative and throughout this report.

All quality control (QC) elements associated with this SDG have been reviewed by a project chemist in accordance with the requirements defined for the project. This review is documented in the attached Data Review Checklists. The QC elements listed below were supported by the electronic deliverable and were evaluated using ADR processes.

- Field Duplicate RPD
- Lab Blank
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time
- Trip Blank

Results of the ADR process were subsequently reviewed and updated as applicable by the data review chemists identified on the signature page. Quality control elements that were not included in the electronic deliverable were reviewed manually and findings are documented within this report. Summaries of findings and associated qualified results are documented throughout this report.

A total of 1 results (0.15%) out of the 680 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected or deemed a serious deficiency (X qualifier). Trace values, defined as results that are qualified as estimated because they fall between the detection limit and the reporting limit/limit of quantitation, are not counted as qualified results in the above count. The qualified results are detailed throughout this report and discussed in the narrative below, where appropriate.

Narrative Comments

The laboratory sample receipt summary indicated that VOCs have headspace; however, no other mention of this anomaly was noted. No action was taken on this basis.

Analytical Method	Data Reviewer Comment
SW8260D	Laboratory noted CCV out of control.

Reviewed by Kathryn Cantone, Data Review Chemist, Synectics, Sacramento, CA — October 30, 2022

As the First Reviewer, I certify that I have performed a data review process in accordance with the requirements of the project guidance document, and have compared the electronic data to the laboratory's hard copy report and have verified the consistency of the reported sample results and method quality control data between the two deliverables.

Reviewed by Evin McKinney, Senior Scientist, Synectics, Sacramento, CA — November 09, 2022

As the Second Reviewer, I certify that I have performed a quality assurance review of the report generated by the First Reviewer.

Quality Control Outliers for test method SW8260D, Test Hold Time

Hold times are ascertained based on project requirements. Holding times were determined by comparing the chain of custody records with the dates of analysis found in the electronic data deliverable and laboratory summary forms. Findings of this review, and any associated qualified results, are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
AOC9-SW2PM-0822 (N)		21.02	< 14	< 28	days	J/UJ	H1	Test Exceeds UWL

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

Qualified Results associated with the Test Hold Time for SW8260D

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
AOC9-SW2PM-0822 FA98456-6	N	Chlorobenzene	1.00	0.500	0.500 UJ		ug/l	H1

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.

Table of All Qualified Results

Test Method: SW8260D		**Extraction Method: SW5030B**						
FieldSample ID / LabSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
AOC9-SW2PM-0822 FA98456-6	N	Chlorobenzene	1.00	0.500	0.500 UJ		ug/l	H1

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.
Trace values are not included in the qualified results table unless additional reason codes are associated.

Reason Code Definitions

Code	Definition
H1	Test Hold Time
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
J	Estimated Value
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.
NJ	The analyte has been tentatively identified or presumptively as present and the associated numerical value was the estimated concentration in the sample.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
X	Result may require rejection; PDT attention required

Bias

-	The result may be biased low
+	The result may be biased high

Note - The bias field is a separate field; however, it is an integral part of the final flag (qualifier) on the sample result

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)

Review Questions	Yes	No	NA	Comment
Were all samples documented correctly on the chain-of-custody (COC)?	•			
Did samples listed on the COCs match the sample labels?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?	•			
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?	•			
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)		•		LOQs were raised above project specifications in association with undiluted and diluted analyses that reported non-detects and positive target analyte hits.
Were holding times met?		•		See QC outliers
Were trip blanks analyzed at the proper frequency and in control?	•			
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?			•	LCS only
Was a MS/MSD pair prepared with each batch?	•			The laboratory noted Non-SDG MS/MSD in several analytical batches out of control. No action taken on this basis.
Were MS/MSD recoveries within project acceptance limits?	•			
Was the MS/MSD RPD within project acceptance limits?	•			
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were surrogate recoveries within project acceptance limits?	•			
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?	•			
Were reported sample concentrations within calibration range?	•			
Was the GC/MS system properly tuned based on method criteria?	•			
Was instrument tuning completed every 12 hours during sample analysis?	•			

Review Questions

Method: SW8260D (Volatile Organic Compounds by GC/MS)

Review Questions	Yes	No	NA	Comment
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			
Were CCVs run at the required frequency and within project acceptance criteria?		•		Laboratory noted CCV associated with FA98456-4 was out of control high for Chloroethane. Sample ND, no action taken on this basis.
Were internal standard retention times and area criteria within project acceptance criteria?	•			
Were internal standards spiked for every sample, standard, and QC sample?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?		•		CCV recoveries were outside control limits, and the sample were not reanalyzed.
Were any data recommended for exclusion in the data validation process?		•		

APPENDIX D LABORATORY DATA PACKAGES

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APPENDIX D-1 SD052-01 APRON 2 CHLORINATED PLUME LABORATORY DATA PACKAGES

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Bhate Environmental

Griffiss AFB; Rome, NY

GRFIS-BECOS

SGS Job Number: FA98455

Sampling Dates: 08/23/22 - 08/24/22



Report to:

Bhate Environmental
1608 13th Ave S Suite 300
Birmingham, AL 35205
dbadio@bhate.com

ATTN: David Badio

Total number of pages in report: 255

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Ariel Hartney 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

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SGS North America Inc.

Sample Summary

Bhate Environmental

Job No: FA98455

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA98455-1	08/23/22	18:00	NBBP	08/26/22	AQ	Ground Water	AP2MW-3-0822
FA98455-2	08/24/22	08:35	NBBP	08/26/22	AQ	Ground Water	782VMW-101-0822
FA98455-3	08/24/22	09:55	NBBP	08/26/22	AQ	Ground Water	782VMW-105B-0822
FA98455-4	08/24/22	09:50	NBBP	08/26/22	AQ	Ground Water	782VMW-81-0822
FA98455-4D	08/24/22	09:50	NBBP	08/26/22	AQ	Water Dup/MSD	782VMW-81-0822
FA98455-4S	08/24/22	09:50	NBBP	08/26/22	AQ	Water Matrix Spike	782VMW-81-0822
FA98455-5	08/23/22	18:25	NBBP	08/26/22	AQ	Ground Water	782VMW-121-0822
FA98455-6	08/24/22	07:40	NBBP	08/26/22	AQ	Ground Water	782SW-115-0822
FA98455-7	08/23/22	07:30	NBBP	08/26/22	AQ	Trip Blank Water	782-TB01-0822-C
FA98455-8	08/23/22	18:25	NBBP	08/26/22	AQ	Water	782VMW-121-0822-A

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental **Job No:** FA98455

Site: Griffiss AFB; Rome, NY **Report Date:** 9/2/2022 12:12:48 PM

On 08/26/2022, 7 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 5.2 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FA98455 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** VY2669

Sample(s) FA98455-4MS, FA98455-4MSD were used as the QC samples indicated.

RPD(s) for MSD for Methyl Bromide are outside control limits for sample FA98455-4MSD. Probable cause is due to sample non-homogeneity.

FA98455-5: Sample vial(s) contained bubbles greater than 6mm.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA98455
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22 thru 08/24/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA98455-1	**AP2MW-3-0822**					
Benzene		223	5.0	2.5	ug/l	SW846 8260D
Methylene Chloride		23.0 J	25	20	ug/l	SW846 8260D
Methyl Tert Butyl Ether		8.3	5.0	2.5	ug/l	SW846 8260D
FA98455-2	**782VMW-101-0822**					
Methyl Tert Butyl Ether		1.5	1.0	0.50	ug/l	SW846 8260D
Vinyl Chloride		1.1	1.0	0.50	ug/l	SW846 8260D
FA98455-3	**782VMW-105B-0822**					
cis-1,2-Dichloroethylene		9.2	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		9.2	2.0	1.0	ug/l	SW846 8260D
Trichloroethylene		9.7	1.0	0.50	ug/l	SW846 8260D
FA98455-4	**782VMW-81-0822**					
cis-1,2-Dichloroethylene		5.7	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		5.7	2.0	1.0	ug/l	SW846 8260D
FA98455-5	**782VMW-121-0822**					
Methyl Tert Butyl Ether [a]		0.49 J	1.0	0.50	ug/l	SW846 8260D
Vinyl Chloride [a]		20.5	1.0	0.50	ug/l	SW846 8260D
FA98455-6	**782SW-115-0822**					
No hits reported in this sample.						
FA98455-7	**782-TB01-0822-C**					
No hits reported in this sample.						
FA98455-8	**782VMW-121-0822-A**					
Vinyl Chloride		19.5	1.0	0.50	ug/l	SW846 8260D

(a) Sample vial(s) contained bubbles greater than 6mm.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	AP2MW-3-0822		
Lab Sample ID:	FA98455-1	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y64399.D	5	09/01/22 19:51	JL	n/a	n/a	VY2669
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	100 U	130	100	50	ug/l	
71-43-2	Benzene	223	5.0	2.5	1.6	ug/l	
108-86-1	Bromobenzene	2.5 U	5.0	2.5	1.8	ug/l	
74-97-5	Bromochloromethane	2.5 U	5.0	2.5	2.3	ug/l	
75-27-4	Bromodichloromethane	2.5 U	5.0	2.5	1.2	ug/l	
75-25-2	Bromoform	2.5 U	5.0	2.5	2.0	ug/l	
78-93-3	2-Butanone (MEK)	18 U	25	18	10	ug/l	
104-51-8	n-Butylbenzene	2.5 U	5.0	2.5	1.2	ug/l	
135-98-8	sec-Butylbenzene	2.5 U	5.0	2.5	1.2	ug/l	
98-06-6	tert-Butylbenzene	2.5 U	5.0	2.5	1.6	ug/l	
75-15-0	Carbon Disulfide	5.0 U	10	5.0	2.7	ug/l	
56-23-5	Carbon Tetrachloride	2.5 U	5.0	2.5	1.8	ug/l	
108-90-7	Chlorobenzene	2.5 U	5.0	2.5	1.0	ug/l	
75-00-3	Chloroethane	5.0 U	10	5.0	3.3	ug/l	
67-66-3	Chloroform	2.5 U	5.0	2.5	1.5	ug/l	
95-49-8	o-Chlorotoluene	2.5 U	5.0	2.5	1.1	ug/l	
106-43-4	p-Chlorotoluene	2.5 U	5.0	2.5	1.5	ug/l	
124-48-1	Dibromochloromethane	2.5 U	5.0	2.5	1.4	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	10 U	25	10	5.2	ug/l	
106-93-4	1,2-Dibromoethane	5.0 U	10	5.0	1.4	ug/l	
75-71-8	Dichlorodifluoromethane	5.0 U	10	5.0	2.5	ug/l	
95-50-1	1,2-Dichlorobenzene	2.5 U	5.0	2.5	1.6	ug/l	
541-73-1	1,3-Dichlorobenzene	2.5 U	5.0	2.5	1.1	ug/l	
106-46-7	1,4-Dichlorobenzene	2.5 U	5.0	2.5	1.3	ug/l	
75-34-3	1,1-Dichloroethane	2.5 U	5.0	2.5	1.7	ug/l	
107-06-2	1,2-Dichloroethane	2.5 U	5.0	2.5	1.6	ug/l	
75-35-4	1,1-Dichloroethylene	2.5 U	5.0	2.5	1.6	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2.5 U	5.0	2.5	1.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	2.5 U	5.0	2.5	1.1	ug/l	
540-59-0	1,2-Dichloroethene (total)	5.0 U	10	5.0	2.5	ug/l	
78-87-5	1,2-Dichloropropane	2.5 U	5.0	2.5	2.1	ug/l	
142-28-9	1,3-Dichloropropane	2.5 U	5.0	2.5	1.5	ug/l	

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

Report of Analysis

Client Sample ID:	AP2MW-3-0822		
Lab Sample ID:	FA98455-1	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	2.5 U	5.0	2.5	1.2	ug/l	
563-58-6	1,1-Dichloropropene	2.5 U	5.0	2.5	1.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	2.5 U	5.0	2.5	1.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	2.5 U	5.0	2.5	1.1	ug/l	
100-41-4	Ethylbenzene	2.5 U	5.0	2.5	1.8	ug/l	
87-68-3	Hexachlorobutadiene	5.0 U	10	5.0	1.5	ug/l	
591-78-6	2-Hexanone	25 U	50	25	10	ug/l	
98-82-8	Isopropylbenzene	2.5 U	5.0	2.5	1.1	ug/l	
99-87-6	p-Isopropyltoluene	2.5 U	5.0	2.5	1.1	ug/l	
74-83-9	Methyl Bromide	20 U	25	20	10	ug/l	
74-87-3	Methyl Chloride	5.0 U	10	5.0	2.5	ug/l	
74-95-3	Methylene Bromide	2.5 U	10	2.5	1.8	ug/l	
75-09-2	Methylene Chloride	23.0	25	20	10	ug/l	J
108-10-1	4-Methyl-2-pentanone (MIBK)	10 U	25	10	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	8.3	5.0	2.5	1.1	ug/l	
91-20-3	Naphthalene	10 U	25	10	5.0	ug/l	
103-65-1	n-Propylbenzene	2.5 U	5.0	2.5	1.4	ug/l	
100-42-5	Styrene	2.5 U	5.0	2.5	1.1	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	2.5 U	5.0	2.5	1.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	2.5 U	5.0	2.5	1.5	ug/l	
127-18-4	Tetrachloroethylene	2.5 U	5.0	2.5	1.1	ug/l	
108-88-3	Toluene	2.5 U	5.0	2.5	1.5	ug/l	
87-61-6	1,2,3-Trichlorobenzene	5.0 U	10	5.0	3.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	5.0 U	10	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	2.5 U	5.0	2.5	1.2	ug/l	
79-00-5	1,1,2-Trichloroethane	2.5 U	5.0	2.5	2.3	ug/l	
79-01-6	Trichloroethylene	2.5 U	5.0	2.5	1.7	ug/l	
75-69-4	Trichlorofluoromethane	5.0 U	10	5.0	2.5	ug/l	
96-18-4	1,2,3-Trichloropropane	5.0 U	10	5.0	3.2	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2.5 U	5.0	2.5	1.6	ug/l	
108-67-8	1,3,5-Trimethylbenzene	2.5 U	5.0	2.5	1.4	ug/l	
108-05-4	Vinyl Acetate	25 U	50	25	10	ug/l	
75-01-4	Vinyl Chloride	2.5 U	5.0	2.5	2.0	ug/l	
	m,p-Xylene	5.0 U	10	5.0	2.3	ug/l	
95-47-6	o-Xylene	2.5 U	5.0	2.5	1.3	ug/l	
1330-20-7	Xylene (total)	7.5 U	15	7.5	3.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		83-118%

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

Report of Analysis

Client Sample ID:	AP2MW-3-0822		
Lab Sample ID:	FA98455-1	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	91%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	782VMW-101-0822		
Lab Sample ID:	FA98455-2	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y64390.D	1	09/01/22 16:08	JL	n/a	n/a	VY2669
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	782VMW-101-0822		
Lab Sample ID:	FA98455-2	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.5	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	1.1	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

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

Report of Analysis

Client Sample ID:	782VMW-101-0822		
Lab Sample ID:	FA98455-2	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	94%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	782VMW-105B-0822		
Lab Sample ID:	FA98455-3	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y64391.D	1	09/01/22 16:33	JL	n/a	n/a	VY2669
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	9.2	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	9.2	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID: 782VMW-105B-0822
Lab Sample ID: FA98455-3
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/24/22
Date Received: 08/26/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	9.7	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		83-118%

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

Report of Analysis

Client Sample ID:	782VMW-105B-0822		
Lab Sample ID:	FA98455-3	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	94%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	782VMW-81-0822		
Lab Sample ID:	FA98455-4	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y64392.D	1	09/01/22 16:58	JL	n/a	n/a	VY2669
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	5.7	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	5.7	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID: 782VMW-81-0822
Lab Sample ID: FA98455-4
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/24/22
Date Received: 08/26/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	782VMW-81-0822		
Lab Sample ID:	FA98455-4	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	95%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	782VMW-121-0822		
Lab Sample ID:	FA98455-5	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	Y64393.D	1	09/01/22 17:23	JL	n/a	n/a	VY2669
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID: 782VMW-121-0822
Lab Sample ID: FA98455-5
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/23/22
Date Received: 08/26/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.49	1.0	0.50	0.23	ug/l	J
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	20.5	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		83-118%

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

Report of Analysis

Client Sample ID:	782VMW-121-0822		
Lab Sample ID:	FA98455-5	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	93%		83-118%

(a) Sample vial(s) contained bubbles greater than 6mm.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	782SW-115-0822		
Lab Sample ID:	FA98455-6	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y64394.D	1	09/01/22 17:48	JL	n/a	n/a	VY2669
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID: 782SW-115-0822
Lab Sample ID: FA98455-6
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/24/22
Date Received: 08/26/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	782SW-115-0822		
Lab Sample ID:	FA98455-6	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID: 782-TB01-0822-C
Lab Sample ID: FA98455-7
Matrix: AQ - Trip Blank Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/23/22
Date Received: 08/26/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y64383.D	1	09/01/22 13:11	JL	n/a	n/a	VY2669
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID: 782-TB01-0822-C
Lab Sample ID: FA98455-7
Matrix: AQ - Trip Blank Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/23/22
Date Received: 08/26/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	782-TB01-0822-C		
Lab Sample ID:	FA98455-7	**Date Sampled:**	08/23/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	782VMW-121-0822-A		
Lab Sample ID:	FA98455-8	**Date Sampled:**	08/23/22
Matrix:	AQ - Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y64395.D	1	09/01/22 18:13	JL	n/a	n/a	VY2669
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID: 782VMW-121-0822-A
Lab Sample ID: FA98455-8
Matrix: AQ - Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/23/22
Date Received: 08/26/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	19.5	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	782VMW-121-0822-A		
Lab Sample ID:	FA98455-8	**Date Sampled:**	08/23/22
Matrix:	AQ - Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	92%		83-118%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

CHAIN-OF-CUSTODY RECORD

Bhate Environmental Associates, Inc.
Frank Gardner
445 Union Boulevard, Suite 129 Lakewood, CO 80228
Please add area code, 720.463.3903, , add e-mail

COC # 10SD0521GWQ3 FA99455

Project Name: Griffiss Air Force Base, BECOS	Laboratory: SGS North America, Inc., Orlando, FL	Event: 2022 Griffiss Petro Q3
Project Number: GRFIS-BECOS	POC: Please insert point of contact, insert laboratory phone number, insert email	
WBS Code:	Ship to:	

Comments:
A2320B (A) = Alkalinity
SW8260D (A) = VOCs Water SGS
SW9056A (A) = Anions
SW9060A (A) = TOC and DOC

Equipment: Geopump (peristaltic pump)
No Equipment blank needed as no equipment was reused between samples

Code	Matrix
WG	Ground Water
WQ	Water Quality Control Matrix
WS	Surface Water

Code	Container/Preservative
1	1x 500 mL plastic, Cool 0° to 6°C
31	3x 40 mL glass volatile vials, HCl to pH < 2; Cool to 0-6 °C; no headspace
47	1x 500 mL plastic, Cool 0° to 6°C
47	2x 40 mL amber vials, HCl to pH < 2

Event: 2022 Griffiss Petro Q3

	Sample ID	Matrix	Date	Time	Samp Init.	~~A2320B (A)~~ BP	SW8260D (A)	~~SW9056A (A)~~ BP	~~SW9060A (A)~~ BP	Location ID	Sample Type	Depth (ft bgs) Top	Depth (ft bgs) Bottom	Cooler	Comments
	Analytical Test Method					47	31	1	47						
1	AP2MW-3-0822	WG	8/23/22	1800	NB	X	X	X	X	AP2MW-3	N1	432.41	446.98	1	
2	782VMW-101-0822	WG	8/24/22	0835	NB	X	X	X	X	WL-782VMW-101	N1	429.11	444.11	1	
3	782VMW-105B-0822	WG	8/24/22	0955	NB	X	X	X	X	WL-782VMW-105B	N1	435.37	450.37	1	
4	782VMW-81-0822	WG	8/24/22	0950	BP	X	X	X	X	WL-782VMW-81	N1	427.10	437.10	1	
5	782VMW-121-0822	WG	8/23/22	1825	BP	X	X	X	X	WL-782VMW-121	N1	435.37	450.37	1	
6	782SW-115-0822	WS	8/24/22	0740	BP		X			782SW-115	N1	0.00	0.00	1	
7	782-TB01-0822-C	WQ	8/23/22	0730	BP		X			FIELDQC	TB1	0.00	0.00	1	
~~8~~ BP	~~D~~	~~WQ~~		0		~~X~~	~~X~~	~~X~~	~~X~~	~~FIELDQC~~	~~EB1~~	~~0.00~~	~~0.00~~	~~1~~	BP
8	782VMW-121-0822-A	WG	8/23/22	1825	BP	X	X	X	X		FD2	0.00	0.00	1	
4	782VMW-81-0822-MS	WG	8/24/22	0950	BP	X	X	X	X		MS2	0.00	0.00	1	
4	782VMW-81-0822-SD	WG	8/24/22	0950	BP	X	X	X	X		SD2	0.00	0.00	1	

Turnaround Time: NA

BP BP BP

INITIAL ASSESSMENT

LABEL VERIFICATION

Relinquished by: *(Signature)* Nicholas Burak ECC
Date 08/25/22
Time 5:20
Received by: *(Signature)* Fedex
SD0521GWQ3

Date 8/26/22
Time 900
Shipping Date:
Received by Laboratory: *(Signature, Date, Time)* & conditio

4.1°C TM1

FA98455: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: FA98455 **Client:** BHATE **Project:** GRIFFISS AFB

Date / Time Received: 8/26/2022 9:00:00 AM **Delivery Method:** FX **Airbill #'s:** 570073537923

Therm ID: IR 1; **Therm CF:** 0.6; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (4.6);

Cooler Temps (Corrected) °C: Cooler 1: (5.2);

Cooler Information	Y	N
1. Custody Seals Present	☑	☐
2. Custody Seals Intact	☑	☐
3. Temp criteria achieved	☑	☐
4. Cooler temp verification	IR Gun	
5. Cooler media	Ice (Bag)	

Trip Blank Information	Y	N	N/A
1. Trip Blank present / cooler	☐	☐	☑
2. Trip Blank listed on COC	☐	☐	☑

	W	S	N/A
3. Type Of TB Received	☐	☐	☑

Sample Information	Y	N	N/A
1. Sample labels present on bottles	☑	☐	
2. Samples preserved properly	☑	☐	
3. Sufficient volume/containers recvd for analysis:	☑	☐	
4. Condition of sample	Intact		
5. Sample recvd within HT	☑	☐	
6. Dates/Times/IDs on COC match Sample Label	☑	☐	
7. VOCs have headspace	☐	☐	☑
8. Bottles received for unspecified tests	☐	☑	
9. Compositing instructions clear	☐	☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐	☐	☑
11. % Solids Jar received?	☐	☐	☑
12. Residual Chlorine Present?	☐	☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: NATHANS Date: 8/26/2022 9:00:00 AM Reviewer: _____ Date: _____

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98455
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22 thru 08/24/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VY2669	SW846 8260D						
VY2669-BS	67-64-1	Acetone	BSP	REC	108	%	39-160
VY2669-BS	71-43-2	Benzene	BSP	REC	101	%	79-120
VY2669-BS	108-86-1	Bromobenzene	BSP	REC	84	%	80-120
VY2669-BS	74-97-5	Bromochloromethane	BSP	REC	90	%	78-123
VY2669-BS	75-27-4	Bromodichloromethane	BSP	REC	102	%	79-125
VY2669-BS	75-25-2	Bromoform	BSP	REC	90	%	66-130
VY2669-BS	78-93-3	2-Butanone (MEK)	BSP	REC	103	%	56-143
VY2669-BS	104-51-8	n-Butylbenzene	BSP	REC	89	%	75-128
VY2669-BS	135-98-8	sec-Butylbenzene	BSP	REC	99	%	77-126
VY2669-BS	98-06-6	tert-Butylbenzene	BSP	REC	93	%	78-124
VY2669-BS	75-15-0	Carbon Disulfide	BSP	REC	92	%	64-133
VY2669-BS	56-23-5	Carbon Tetrachloride	BSP	REC	106	%	72-136
VY2669-BS	108-90-7	Chlorobenzene	BSP	REC	92	%	82-118
VY2669-BS	75-00-3	Chloroethane	BSP	REC	111	%	60-138
VY2669-BS	67-66-3	Chloroform	BSP	REC	101	%	79-124
VY2669-BS	95-49-8	o-Chlorotoluene	BSP	REC	89	%	79-122
VY2669-BS	106-43-4	p-Chlorotoluene	BSP	REC	88	%	78-122
VY2669-BS	124-48-1	Dibromochloromethane	BSP	REC	88	%	74-126
VY2669-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	82	%	62-128
VY2669-BS	106-93-4	1,2-Dibromoethane	BSP	REC	90	%	77-121
VY2669-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	103	%	32-152
VY2669-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	88	%	80-119
VY2669-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	90	%	80-119
VY2669-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	87	%	79-118
VY2669-BS	75-34-3	1,1-Dichloroethane	BSP	REC	109	%	77-125
VY2669-BS	107-06-2	1,2-Dichloroethane	BSP	REC	96	%	73-128
VY2669-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	110	%	71-131
VY2669-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	103	%	78-123
VY2669-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	104	%	75-124
VY2669-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	104	%	79-121
VY2669-BS	78-87-5	1,2-Dichloropropane	BSP	REC	94	%	78-122
VY2669-BS	142-28-9	1,3-Dichloropropane	BSP	REC	86	%	80-119
VY2669-BS	594-20-7	2,2-Dichloropropane	BSP	REC	100	%	60-139
VY2669-BS	563-58-6	1,1-Dichloropropene	BSP	REC	107	%	79-125
VY2669-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	100	%	75-124
VY2669-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	101	%	73-127
VY2669-BS	100-41-4	Ethylbenzene	BSP	REC	94	%	79-121
VY2669-BS	87-68-3	Hexachlorobutadiene	BSP	REC	90	%	66-134
VY2669-BS	591-78-6	2-Hexanone	BSP	REC	109	%	57-139
VY2669-BS	98-82-8	Isopropylbenzene	BSP	REC	98	%	72-131
VY2669-BS	99-87-6	p-Isopropyltoluene	BSP	REC	99	%	77-127
VY2669-BS	74-83-9	Methyl Bromide	BSP	REC	102	%	53-141

* Sample used for QC is not from job FA98455

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98455
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22 thru 08/24/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VY2669-BS	74-87-3	Methyl Chloride	BSP	REC	107	%	50-139
VY2669-BS	74-95-3	Methylene Bromide	BSP	REC	95	%	79-123
VY2669-BS	75-09-2	Methylene Chloride	BSP	REC	93	%	74-124
VY2669-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	97	%	67-130
VY2669-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	112	%	71-124
VY2669-BS	91-20-3	Naphthalene	BSP	REC	91	%	61-128
VY2669-BS	103-65-1	n-Propylbenzene	BSP	REC	95	%	76-126
VY2669-BS	100-42-5	Styrene	BSP	REC	94	%	78-123
VY2669-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	91	%	78-124
VY2669-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	88	%	71-121
VY2669-BS	127-18-4	Tetrachloroethylene	BSP	REC	97	%	74-129
VY2669-BS	108-88-3	Toluene	BSP	REC	93	%	80-121
VY2669-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	86	%	69-129
VY2669-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	86	%	69-130
VY2669-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	103	%	74-131
VY2669-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	89	%	80-119
VY2669-BS	79-01-6	Trichloroethylene	BSP	REC	106	%	79-123
VY2669-BS	75-69-4	Trichlorofluoromethane	BSP	REC	115	%	65-141
VY2669-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	80	%	73-122
VY2669-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	91	%	76-124
VY2669-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	92	%	75-124
VY2669-BS	108-05-4	Vinyl Acetate	BSP	REC	95	%	54-146
VY2669-BS	75-01-4	Vinyl Chloride	BSP	REC	103	%	58-137
VY2669-BS		m,p-Xylene	BSP	REC	94	%	80-121
VY2669-BS	95-47-6	o-Xylene	BSP	REC	96	%	78-122
VY2669-BS	1330-20-7	Xylene (total)	BSP	REC	95	%	79-121
VY2669-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	103	%	80-119
VY2669-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	99	%	81-118
VY2669-BS	2037-26-5	Toluene-D8	BSP	SURR	97	%	89-112
VY2669-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	98	%	85-114
FA98455-4MS	67-64-1	Acetone	MS	REC	104	%	39-160
FA98455-4MS	71-43-2	Benzene	MS	REC	100	%	79-120
FA98455-4MS	108-86-1	Bromobenzene	MS	REC	81	%	80-120
FA98455-4MS	74-97-5	Bromochloromethane	MS	REC	89	%	78-123
FA98455-4MS	75-27-4	Bromodichloromethane	MS	REC	101	%	79-125
FA98455-4MS	75-25-2	Bromoform	MS	REC	74	%	66-130
FA98455-4MS	78-93-3	2-Butanone (MEK)	MS	REC	98	%	56-143
FA98455-4MS	104-51-8	n-Butylbenzene	MS	REC	99	%	75-128
FA98455-4MS	135-98-8	sec-Butylbenzene	MS	REC	110	%	77-126
FA98455-4MS	98-06-6	tert-Butylbenzene	MS	REC	100	%	78-124
FA98455-4MS	75-15-0	Carbon Disulfide	MS	REC	86	%	64-133
FA98455-4MS	56-23-5	Carbon Tetrachloride	MS	REC	97	%	72-136
FA98455-4MS	108-90-7	Chlorobenzene	MS	REC	93	%	82-118
FA98455-4MS	75-00-3	Chloroethane	MS	REC	121	%	60-138
FA98455-4MS	67-66-3	Chloroform	MS	REC	102	%	79-124

* Sample used for QC is not from job FA98455

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98455
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22 thru 08/24/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98455-4MS	95-49-8	o-Chlorotoluene	MS	REC	98	%	79-122
FA98455-4MS	106-43-4	p-Chlorotoluene	MS	REC	98	%	78-122
FA98455-4MS	124-48-1	Dibromochloromethane	MS	REC	80	%	74-126
FA98455-4MS	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	86	%	62-128
FA98455-4MS	106-93-4	1,2-Dibromoethane	MS	REC	83	%	77-121
FA98455-4MS	75-71-8	Dichlorodifluoromethane	MS	REC	93	%	32-152
FA98455-4MS	95-50-1	1,2-Dichlorobenzene	MS	REC	86	%	80-119
FA98455-4MS	541-73-1	1,3-Dichlorobenzene	MS	REC	90	%	80-119
FA98455-4MS	106-46-7	1,4-Dichlorobenzene	MS	REC	85	%	79-118
FA98455-4MS	75-34-3	1,1-Dichloroethane	MS	REC	104	%	77-125
FA98455-4MS	107-06-2	1,2-Dichloroethane	MS	REC	93	%	73-128
FA98455-4MS	75-35-4	1,1-Dichloroethylene	MS	REC	109	%	71-131
FA98455-4MS	156-59-2	cis-1,2-Dichloroethylene	MS	REC	107	%	78-123
FA98455-4MS	156-60-5	trans-1,2-Dichloroethylene	MS	REC	104	%	75-124
FA98455-4MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	106	%	79-121
FA98455-4MS	78-87-5	1,2-Dichloropropane	MS	REC	97	%	78-122
FA98455-4MS	142-28-9	1,3-Dichloropropane	MS	REC	84	%	80-119
FA98455-4MS	594-20-7	2,2-Dichloropropane	MS	REC	84	%	60-139
FA98455-4MS	563-58-6	1,1-Dichloropropene	MS	REC	106	%	79-125
FA98455-4MS	10061-01-5	cis-1,3-Dichloropropene	MS	REC	90	%	75-124
FA98455-4MS	10061-02-6	trans-1,3-Dichloropropene	MS	REC	94	%	73-127
FA98455-4MS	100-41-4	Ethylbenzene	MS	REC	96	%	79-121
FA98455-4MS	87-68-3	Hexachlorobutadiene	MS	REC	83	%	66-134
FA98455-4MS	591-78-6	2-Hexanone	MS	REC	108	%	57-139
FA98455-4MS	98-82-8	Isopropylbenzene	MS	REC	96	%	72-131
FA98455-4MS	99-87-6	p-Isopropyltoluene	MS	REC	107	%	77-127
FA98455-4MS	74-83-9	Methyl Bromide	MS	REC	70	%	53-141
FA98455-4MS	74-87-3	Methyl Chloride	MS	REC	99	%	50-139
FA98455-4MS	74-95-3	Methylene Bromide	MS	REC	93	%	79-123
FA98455-4MS	75-09-2	Methylene Chloride	MS	REC	88	%	74-124
FA98455-4MS	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	94	%	67-130
FA98455-4MS	1634-04-4	Methyl Tert Butyl Ether	MS	REC	110	%	71-124
FA98455-4MS	91-20-3	Naphthalene	MS	REC	84	%	61-128
FA98455-4MS	103-65-1	n-Propylbenzene	MS	REC	102	%	76-126
FA98455-4MS	100-42-5	Styrene	MS	REC	92	%	78-123
FA98455-4MS	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	86	%	78-124
FA98455-4MS	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	96	%	71-121
FA98455-4MS	127-18-4	Tetrachloroethylene	MS	REC	76	%	74-129
FA98455-4MS	108-88-3	Toluene	MS	REC	92	%	80-121
FA98455-4MS	87-61-6	1,2,3-Trichlorobenzene	MS	REC	72	%	69-129
FA98455-4MS	120-82-1	1,2,4-Trichlorobenzene	MS	REC	74	%	69-130
FA98455-4MS	71-55-6	1,1,1-Trichloroethane	MS	REC	101	%	74-131
FA98455-4MS	79-00-5	1,1,2-Trichloroethane	MS	REC	90	%	80-119
FA98455-4MS	79-01-6	Trichloroethylene	MS	REC	101	%	79-123
FA98455-4MS	75-69-4	Trichlorofluoromethane	MS	REC	106	%	65-141

* Sample used for QC is not from job FA98455

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98455
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22 thru 08/24/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98455-4MS	96-18-4	1,2,3-Trichloropropane	MS	REC	86	%	73-122
FA98455-4MS	95-63-6	1,2,4-Trimethylbenzene	MS	REC	99	%	76-124
FA98455-4MS	108-67-8	1,3,5-Trimethylbenzene	MS	REC	99	%	75-124
FA98455-4MS	108-05-4	Vinyl Acetate	MS	REC	89	%	54-146
FA98455-4MS	75-01-4	Vinyl Chloride	MS	REC	90	%	58-137
FA98455-4MS		m,p-Xylene	MS	REC	94	%	80-121
FA98455-4MS	95-47-6	o-Xylene	MS	REC	97	%	78-122
FA98455-4MS	1330-20-7	Xylene (total)	MS	REC	95	%	79-121
FA98455-4MS	1868-53-7	Dibromofluoromethane	MS	SURR	96	%	80-119
FA98455-4MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	97	%	81-118
FA98455-4MS	2037-26-5	Toluene-D8	MS	SURR	97	%	89-112
FA98455-4MS	460-00-4	4-Bromofluorobenzene	MS	SURR	93	%	85-114
FA98455-4MSD	67-64-1	Acetone	MSD	REC	108	%	39-160
FA98455-4MSD	67-64-1	Acetone	MSD	RPD	4	%	20
FA98455-4MSD	71-43-2	Benzene	MSD	REC	101	%	79-120
FA98455-4MSD	71-43-2	Benzene	MSD	RPD	2	%	20
FA98455-4MSD	108-86-1	Bromobenzene	MSD	REC	82	%	80-120
FA98455-4MSD	108-86-1	Bromobenzene	MSD	RPD	1	%	20
FA98455-4MSD	74-97-5	Bromochloromethane	MSD	REC	93	%	78-123
FA98455-4MSD	74-97-5	Bromochloromethane	MSD	RPD	4	%	20
FA98455-4MSD	75-27-4	Bromodichloromethane	MSD	REC	100	%	79-125
FA98455-4MSD	75-27-4	Bromodichloromethane	MSD	RPD	1	%	20
FA98455-4MSD	75-25-2	Bromoform	MSD	REC	76	%	66-130
FA98455-4MSD	75-25-2	Bromoform	MSD	RPD	2	%	20
FA98455-4MSD	78-93-3	2-Butanone (MEK)	MSD	REC	98	%	56-143
FA98455-4MSD	78-93-3	2-Butanone (MEK)	MSD	RPD	1	%	20
FA98455-4MSD	104-51-8	n-Butylbenzene	MSD	REC	104	%	75-128
FA98455-4MSD	104-51-8	n-Butylbenzene	MSD	RPD	5	%	20
FA98455-4MSD	135-98-8	sec-Butylbenzene	MSD	REC	110	%	77-126
FA98455-4MSD	135-98-8	sec-Butylbenzene	MSD	RPD	0	%	20
FA98455-4MSD	98-06-6	tert-Butylbenzene	MSD	REC	103	%	78-124
FA98455-4MSD	98-06-6	tert-Butylbenzene	MSD	RPD	2	%	20
FA98455-4MSD	75-15-0	Carbon Disulfide	MSD	REC	92	%	64-133
FA98455-4MSD	75-15-0	Carbon Disulfide	MSD	RPD	7	%	20
FA98455-4MSD	56-23-5	Carbon Tetrachloride	MSD	REC	100	%	72-136
FA98455-4MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	3	%	20
FA98455-4MSD	108-90-7	Chlorobenzene	MSD	REC	92	%	82-118
FA98455-4MSD	108-90-7	Chlorobenzene	MSD	RPD	0	%	20
FA98455-4MSD	75-00-3	Chloroethane	MSD	REC	131	%	60-138
FA98455-4MSD	75-00-3	Chloroethane	MSD	RPD	8	%	20
FA98455-4MSD	67-66-3	Chloroform	MSD	REC	101	%	79-124
FA98455-4MSD	67-66-3	Chloroform	MSD	RPD	0	%	20
FA98455-4MSD	95-49-8	o-Chlorotoluene	MSD	REC	98	%	79-122
FA98455-4MSD	95-49-8	o-Chlorotoluene	MSD	RPD	0	%	20
FA98455-4MSD	106-43-4	p-Chlorotoluene	MSD	REC	98	%	78-122

* Sample used for QC is not from job FA98455

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98455
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22 thru 08/24/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98455-4MSD	106-43-4	p-Chlorotoluene	MSD	RPD	0	%	20
FA98455-4MSD	124-48-1	Dibromochloromethane	MSD	REC	82	%	74-126
FA98455-4MSD	124-48-1	Dibromochloromethane	MSD	RPD	3	%	20
FA98455-4MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	92	%	62-128
FA98455-4MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	6	%	20
FA98455-4MSD	106-93-4	1,2-Dibromoethane	MSD	REC	88	%	77-121
FA98455-4MSD	106-93-4	1,2-Dibromoethane	MSD	RPD	5	%	20
FA98455-4MSD	75-71-8	Dichlorodifluoromethane	MSD	REC	102	%	32-152
FA98455-4MSD	75-71-8	Dichlorodifluoromethane	MSD	RPD	9	%	20
FA98455-4MSD	95-50-1	1,2-Dichlorobenzene	MSD	REC	88	%	80-119
FA98455-4MSD	95-50-1	1,2-Dichlorobenzene	MSD	RPD	3	%	20
FA98455-4MSD	541-73-1	1,3-Dichlorobenzene	MSD	REC	91	%	80-119
FA98455-4MSD	541-73-1	1,3-Dichlorobenzene	MSD	RPD	1	%	20
FA98455-4MSD	106-46-7	1,4-Dichlorobenzene	MSD	REC	86	%	79-118
FA98455-4MSD	106-46-7	1,4-Dichlorobenzene	MSD	RPD	1	%	20
FA98455-4MSD	75-34-3	1,1-Dichloroethane	MSD	REC	111	%	77-125
FA98455-4MSD	75-34-3	1,1-Dichloroethane	MSD	RPD	7	%	20
FA98455-4MSD	107-06-2	1,2-Dichloroethane	MSD	REC	95	%	73-128
FA98455-4MSD	107-06-2	1,2-Dichloroethane	MSD	RPD	2	%	20
FA98455-4MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	109	%	71-131
FA98455-4MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	0	%	20
FA98455-4MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	108	%	78-123
FA98455-4MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	1	%	20
FA98455-4MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	110	%	75-124
FA98455-4MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	6	%	20
FA98455-4MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	109	%	79-121
FA98455-4MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	3	%	20
FA98455-4MSD	78-87-5	1,2-Dichloropropane	MSD	REC	96	%	78-122
FA98455-4MSD	78-87-5	1,2-Dichloropropane	MSD	RPD	0	%	20
FA98455-4MSD	142-28-9	1,3-Dichloropropane	MSD	REC	84	%	80-119
FA98455-4MSD	142-28-9	1,3-Dichloropropane	MSD	RPD	0	%	20
FA98455-4MSD	594-20-7	2,2-Dichloropropane	MSD	REC	87	%	60-139
FA98455-4MSD	594-20-7	2,2-Dichloropropane	MSD	RPD	3	%	20
FA98455-4MSD	563-58-6	1,1-Dichloropropene	MSD	REC	104	%	79-125
FA98455-4MSD	563-58-6	1,1-Dichloropropene	MSD	RPD	1	%	20
FA98455-4MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	93	%	75-124
FA98455-4MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	3	%	20
FA98455-4MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	93	%	73-127
FA98455-4MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	1	%	20
FA98455-4MSD	100-41-4	Ethylbenzene	MSD	REC	94	%	79-121
FA98455-4MSD	100-41-4	Ethylbenzene	MSD	RPD	2	%	20
FA98455-4MSD	87-68-3	Hexachlorobutadiene	MSD	REC	86	%	66-134
FA98455-4MSD	87-68-3	Hexachlorobutadiene	MSD	RPD	4	%	20
FA98455-4MSD	591-78-6	2-Hexanone	MSD	REC	108	%	57-139
FA98455-4MSD	591-78-6	2-Hexanone	MSD	RPD	0	%	20

* Sample used for QC is not from job FA98455

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98455
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22 thru 08/24/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98455-4MSD	98-82-8	Isopropylbenzene	MSD	REC	96	%	72-131
FA98455-4MSD	98-82-8	Isopropylbenzene	MSD	RPD	0	%	20
FA98455-4MSD	99-87-6	p-Isopropyltoluene	MSD	REC	107	%	77-127
FA98455-4MSD	99-87-6	p-Isopropyltoluene	MSD	RPD	0	%	20
FA98455-4MSD	74-83-9	Methyl Bromide	MSD	REC	103	%	53-141
FA98455-4MSD	74-83-9	Methyl Bromide	MSD	RPD	37	%	20
FA98455-4MSD	74-87-3	Methyl Chloride	MSD	REC	108	%	50-139
FA98455-4MSD	74-87-3	Methyl Chloride	MSD	RPD	9	%	20
FA98455-4MSD	74-95-3	Methylene Bromide	MSD	REC	96	%	79-123
FA98455-4MSD	74-95-3	Methylene Bromide	MSD	RPD	3	%	20
FA98455-4MSD	75-09-2	Methylene Chloride	MSD	REC	88	%	74-124
FA98455-4MSD	75-09-2	Methylene Chloride	MSD	RPD	0	%	20
FA98455-4MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	94	%	67-130
FA98455-4MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	0	%	20
FA98455-4MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	113	%	71-124
FA98455-4MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	3	%	20
FA98455-4MSD	91-20-3	Naphthalene	MSD	REC	88	%	61-128
FA98455-4MSD	91-20-3	Naphthalene	MSD	RPD	5	%	20
FA98455-4MSD	103-65-1	n-Propylbenzene	MSD	REC	104	%	76-126
FA98455-4MSD	103-65-1	n-Propylbenzene	MSD	RPD	1	%	20
FA98455-4MSD	100-42-5	Styrene	MSD	REC	94	%	78-123
FA98455-4MSD	100-42-5	Styrene	MSD	RPD	2	%	20
FA98455-4MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	88	%	78-124
FA98455-4MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	3	%	20
FA98455-4MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	98	%	71-121
FA98455-4MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	2	%	20
FA98455-4MSD	127-18-4	Tetrachloroethylene	MSD	REC	82	%	74-129
FA98455-4MSD	127-18-4	Tetrachloroethylene	MSD	RPD	8	%	20
FA98455-4MSD	108-88-3	Toluene	MSD	REC	93	%	80-121
FA98455-4MSD	108-88-3	Toluene	MSD	RPD	1	%	20
FA98455-4MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	75	%	69-129
FA98455-4MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	4	%	20
FA98455-4MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	77	%	69-130
FA98455-4MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	3	%	20
FA98455-4MSD	71-55-6	1,1,1-Trichloroethane	MSD	REC	102	%	74-131
FA98455-4MSD	71-55-6	1,1,1-Trichloroethane	MSD	RPD	1	%	20
FA98455-4MSD	79-00-5	1,1,2-Trichloroethane	MSD	REC	88	%	80-119
FA98455-4MSD	79-00-5	1,1,2-Trichloroethane	MSD	RPD	2	%	20
FA98455-4MSD	79-01-6	Trichloroethylene	MSD	REC	105	%	79-123
FA98455-4MSD	79-01-6	Trichloroethylene	MSD	RPD	4	%	20
FA98455-4MSD	75-69-4	Trichlorofluoromethane	MSD	REC	112	%	65-141
FA98455-4MSD	75-69-4	Trichlorofluoromethane	MSD	RPD	6	%	20
FA98455-4MSD	96-18-4	1,2,3-Trichloropropane	MSD	REC	86	%	73-122
FA98455-4MSD	96-18-4	1,2,3-Trichloropropane	MSD	RPD	0	%	20
FA98455-4MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	99	%	76-124

* Sample used for QC is not from job FA98455

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98455
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22 thru 08/24/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98455-4MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	0	%	20
FA98455-4MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	100	%	75-124
FA98455-4MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	1	%	20
FA98455-4MSD	108-05-4	Vinyl Acetate	MSD	REC	90	%	54-146
FA98455-4MSD	108-05-4	Vinyl Acetate	MSD	RPD	2	%	20
FA98455-4MSD	75-01-4	Vinyl Chloride	MSD	REC	99	%	58-137
FA98455-4MSD	75-01-4	Vinyl Chloride	MSD	RPD	9	%	20
FA98455-4MSD		m,p-Xylene	MSD	REC	94	%	80-121
FA98455-4MSD		m,p-Xylene	MSD	RPD	0	%	20
FA98455-4MSD	95-47-6	o-Xylene	MSD	REC	98	%	78-122
FA98455-4MSD	95-47-6	o-Xylene	MSD	RPD	1	%	20
FA98455-4MSD	1330-20-7	Xylene (total)	MSD	REC	95	%	79-121
FA98455-4MSD	1330-20-7	Xylene (total)	MSD	RPD	0	%	20
FA98455-4MSD	1868-53-7	Dibromofluoromethane	MSD	SURR	100	%	80-119
FA98455-4MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	100	%	81-118
FA98455-4MSD	2037-26-5	Toluene-D8	MSD	SURR	95	%	89-112
FA98455-4MSD	460-00-4	4-Bromofluorobenzene	MSD	SURR	96	%	85-114
VY2669-MB	1868-53-7	Dibromofluoromethane	MB	SURR	95	%	80-119
VY2669-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	101	%	81-118
VY2669-MB	2037-26-5	Toluene-D8	MB	SURR	98	%	89-112
VY2669-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	96	%	85-114
FA98455-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	94	%	80-119
FA98455-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA98455-1	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112
FA98455-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	91	%	85-114
FA98455-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
FA98455-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA98455-2	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA98455-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	94	%	85-114
FA98455-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	93	%	80-119
FA98455-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA98455-3	2037-26-5	Toluene-D8	SAMP	SURR	101	%	89-112
FA98455-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	94	%	85-114
FA98455-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	93	%	80-119
FA98455-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FA98455-4	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FA98455-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	95	%	85-114
FA98455-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	93	%	80-119
FA98455-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA98455-5	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA98455-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	93	%	85-114
FA98455-6	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
FA98455-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA98455-6	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98455-6	460-00-4	4-Bromofluorobenzene	SAMP	SURR	96	%	85-114

* Sample used for QC is not from job FA98455

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98455
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22 thru 08/24/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98455-7	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
FA98455-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA98455-7	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98455-7	460-00-4	4-Bromofluorobenzene	SAMP	SURR	96	%	85-114
FA98455-8	1868-53-7	Dibromofluoromethane	SAMP	SURR	94	%	80-119
FA98455-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA98455-8	2037-26-5	Toluene-D8	SAMP	SURR	101	%	89-112
FA98455-8	460-00-4	4-Bromofluorobenzene	SAMP	SURR	92	%	85-114

* Sample used for QC is not from job FA98455

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2669-MB	Y64382.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98455-1, FA98455-2, FA98455-3, FA98455-4, FA98455-5, FA98455-6, FA98455-7, FA98455-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2669-MB	Y64382.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98455-1, FA98455-2, FA98455-3, FA98455-4, FA98455-5, FA98455-6, FA98455-7, FA98455-8

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2669-MB	Y64382.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98455-1, FA98455-2, FA98455-3, FA98455-4, FA98455-5, FA98455-6, FA98455-7, FA98455-8

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	96%	83-118%

Blank Spike Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2669-BS	Y64379.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98455-1, FA98455-2, FA98455-3, FA98455-4, FA98455-5, FA98455-6, FA98455-7, FA98455-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	135	108	50-147
71-43-2	Benzene	25	25.2	101	81-122
108-86-1	Bromobenzene	25	21.0	84	80-121
74-97-5	Bromochloromethane	25	22.4	90	76-123
75-27-4	Bromodichloromethane	25	25.6	102	79-123
75-25-2	Bromoform	25	22.4	90	66-123
78-93-3	2-Butanone (MEK)	125	129	103	56-143
104-51-8	n-Butylbenzene	25	22.2	89	79-126
135-98-8	sec-Butylbenzene	25	24.8	99	83-133
98-06-6	tert-Butylbenzene	25	23.2	93	80-133
75-15-0	Carbon Disulfide	25	23.1	92	66-148
56-23-5	Carbon Tetrachloride	25	26.5	106	76-136
108-90-7	Chlorobenzene	25	23.0	92	82-124
75-00-3	Chloroethane	25	27.8	111	62-144
67-66-3	Chloroform	25	25.3	101	80-124
95-49-8	o-Chlorotoluene	25	22.2	89	81-127
106-43-4	p-Chlorotoluene	25	22.0	88	83-130
124-48-1	Dibromochloromethane	25	22.0	88	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	20.5	82	64-123
106-93-4	1,2-Dibromoethane	25	22.6	90	75-120
75-71-8	Dichlorodifluoromethane	25	25.8	103	42-167
95-50-1	1,2-Dichlorobenzene	25	22.1	88	82-124
541-73-1	1,3-Dichlorobenzene	25	22.4	90	84-125
106-46-7	1,4-Dichlorobenzene	25	21.7	87	78-120
75-34-3	1,1-Dichloroethane	25	27.2	109	81-122
107-06-2	1,2-Dichloroethane	25	24.0	96	75-125
75-35-4	1,1-Dichloroethylene	25	27.6	110	78-137
156-59-2	cis-1,2-Dichloroethylene	25	25.8	103	78-120
156-60-5	trans-1,2-Dichloroethylene	25	26.0	104	76-127
540-59-0	1,2-Dichloroethene (total)	50	51.9	104	77-122
78-87-5	1,2-Dichloropropane	25	23.4	94	76-124
142-28-9	1,3-Dichloropropane	25	21.5	86	80-118
594-20-7	2,2-Dichloropropane	25	25.0	100	74-139
563-58-6	1,1-Dichloropropene	25	26.8	107	79-131
10061-01-5	cis-1,3-Dichloropropene	25	24.9	100	75-118
10061-02-6	trans-1,3-Dichloropropene	25	25.3	101	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2669-BS	Y64379.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98455-1, FA98455-2, FA98455-3, FA98455-4, FA98455-5, FA98455-6, FA98455-7, FA98455-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	23.5	94	81-121
87-68-3	Hexachlorobutadiene	25	22.5	90	75-142
591-78-6	2-Hexanone	125	136	109	61-129
98-82-8	Isopropylbenzene	25	24.4	98	83-132
99-87-6	p-Isopropyltoluene	25	24.7	99	79-130
74-83-9	Methyl Bromide	25	25.5	102	59-143
74-87-3	Methyl Chloride	25	26.8	107	50-159
74-95-3	Methylene Bromide	25	23.7	95	78-119
75-09-2	Methylene Chloride	25	23.2	93	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	121	97	66-122
1634-04-4	Methyl Tert Butyl Ether	25	28.1	112	72-117
91-20-3	Naphthalene	25	22.7	91	63-132
103-65-1	n-Propylbenzene	25	23.8	95	82-133
100-42-5	Styrene	25	23.6	94	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	22.8	91	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	21.9	88	72-120
127-18-4	Tetrachloroethylene	25	24.2	97	76-135
108-88-3	Toluene	25	23.2	93	80-120
87-61-6	1,2,3-Trichlorobenzene	25	21.4	86	68-131
120-82-1	1,2,4-Trichlorobenzene	25	21.4	86	73-129
71-55-6	1,1,1-Trichloroethane	25	25.8	103	75-130
79-00-5	1,1,2-Trichloroethane	25	22.3	89	76-119
79-01-6	Trichloroethylene	25	26.5	106	81-126
75-69-4	Trichlorofluoromethane	25	28.7	115	71-156
96-18-4	1,2,3-Trichloropropane	25	20.1	80	77-120
95-63-6	1,2,4-Trimethylbenzene	25	22.7	91	79-120
108-67-8	1,3,5-Trimethylbenzene	25	23.0	92	79-120
108-05-4	Vinyl Acetate	125	119	95	43-154
75-01-4	Vinyl Chloride	25	25.7	103	69-159
	m,p-Xylene	50	47.1	94	79-126
95-47-6	o-Xylene	25	24.0	96	80-127
1330-20-7	Xylene (total)	75	71.1	95	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2669-BS	Y64379.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98455-1, FA98455-2, FA98455-3, FA98455-4, FA98455-5, FA98455-6, FA98455-7, FA98455-8

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98455-4MS	Y64401.D	1	09/01/22	JL	n/a	n/a	VY2669
FA98455-4MSD	Y64402.D	1	09/01/22	JL	n/a	n/a	VY2669
FA98455-4	Y64392.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98455-1, FA98455-2, FA98455-3, FA98455-4, FA98455-5, FA98455-6, FA98455-7, FA98455-8

CAS No.	Compound	FA98455-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	130	104	125	135	108	4	50-147/21
71-43-2	Benzene	1.0 U		25	24.9	100	25	25.3	101	2	81-122/14
108-86-1	Bromobenzene	1.0 U		25	20.3	81	25	20.5	82	1	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	22.3	89	25	23.2	93	4	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	25.3	101	25	25.0	100	1	79-123/19
75-25-2	Bromoform	1.0 U		25	18.6	74	25	18.9	76	2	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	122	98	125	123	98	1	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	24.8	99	25	26.1	104	5	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	27.4	110	25	27.5	110	0	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	25.1	100	25	25.7	103	2	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	21.4	86	25	22.9	92	7	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	24.2	97	25	25.0	100	3	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	23.2	93	25	23.1	92	0	82-124/14
75-00-3	Chloroethane	2.0 U		25	30.2	121	25	32.7	131	8	62-144/20
67-66-3	Chloroform	1.0 U		25	25.4	102	25	25.3	101	0	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	24.4	98	25	24.4	98	0	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	24.4	98	25	24.5	98	0	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	19.9	80	25	20.6	82	3	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	21.6	86	25	22.9	92	6	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	20.8	83	25	21.9	88	5	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	23.2	93	25	25.5	102	9	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	21.4	86	25	22.0	88	3	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	22.5	90	25	22.7	91	1	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	21.3	85	25	21.6	86	1	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	25.9	104	25	27.7	111	7	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	23.3	93	25	23.7	95	2	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	27.3	109	25	27.2	109	0	78-137/18
156-59-2	cis-1,2-Dichloroethylene	5.7		25	32.5	107	25	32.8	108	1	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	26.1	104	25	27.6	110	6	76-127/17
540-59-0	1,2-Dichloroethene (total)	5.7		50	58.6	106	50	60.4	109	3	77-122/15
78-87-5	1,2-Dichloropropane	1.0 U		25	24.2	97	25	24.1	96	0	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	21.0	84	25	21.0	84	0	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	21.1	84	25	21.7	87	3	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	26.4	106	25	26.1	104	1	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	22.5	90	25	23.2	93	3	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	23.6	94	25	23.3	93	1	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98455-4MS	Y64401.D	1	09/01/22	JL	n/a	n/a	VY2669
FA98455-4MSD	Y64402.D	1	09/01/22	JL	n/a	n/a	VY2669
FA98455-4	Y64392.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98455-1, FA98455-2, FA98455-3, FA98455-4, FA98455-5, FA98455-6, FA98455-7, FA98455-8

CAS No.	Compound	FA98455-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	1.0 U		25	23.9	96	25	23.4	94	2	81-121/14
87-68-3	Hexachlorobutadiene	2.0 U		25	20.7	83	25	21.5	86	4	75-142/19
591-78-6	2-Hexanone	10 U		125	135	108	125	135	108	0	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	24.1	96	25	24.1	96	0	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	26.8	107	25	26.7	107	0	79-130/16
74-83-9	Methyl Bromide	5.0 U		25	17.6	70	25	25.7	103	37*	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	24.7	99	25	27.1	108	9	50-159/19
74-95-3	Methylene Bromide	2.0 U		25	23.2	93	25	23.9	96	3	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	22.0	88	25	22.1	88	0	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	118	94	125	118	94	0	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	27.5	110	25	28.2	113	3	72-117/14
91-20-3	Naphthalene	5.0 U		25	20.9	84	25	21.9	88	5	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	25.6	102	25	25.9	104	1	82-133/15
100-42-5	Styrene	1.0 U		25	23.1	92	25	23.6	94	2	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	21.5	86	25	22.1	88	3	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	24.1	96	25	24.5	98	2	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	19.1	76	25	20.6	82	8	76-135/16
108-88-3	Toluene	1.0 U		25	23.0	92	25	23.2	93	1	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	18.0	72	25	18.8	75	4	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	18.6	74	25	19.2	77	3	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	25.3	101	25	25.6	102	1	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	22.5	90	25	22.1	88	2	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	25.2	101	25	26.2	105	4	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	26.4	106	25	28.1	112	6	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	21.6	86	25	21.5	86	0	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	24.7	99	25	24.8	99	0	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	24.7	99	25	24.9	100	1	79-120/19
108-05-4	Vinyl Acetate	10 U		125	111	89	125	113	90	2	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	22.6	90	25	24.8	99	9	69-159/18
	m,p-Xylene	2.0 U		50	47.1	94	50	46.9	94	0	79-126/15
95-47-6	o-Xylene	1.0 U		25	24.3	97	25	24.5	98	1	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	71.5	95	75	71.4	95	0	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98455-4MS	Y64401.D	1	09/01/22	JL	n/a	n/a	VY2669
FA98455-4MSD	Y64402.D	1	09/01/22	JL	n/a	n/a	VY2669
FA98455-4	Y64392.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98455-1, FA98455-2, FA98455-3, FA98455-4, FA98455-5, FA98455-6, FA98455-7, FA98455-8

CAS No.	Surrogate Recoveries	MS	MSD	FA98455-4	Limits
1868-53-7	Dibromofluoromethane	96%	100%	93%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	100%	103%	79-125%
2037-26-5	Toluene-D8	97%	95%	100%	85-112%
460-00-4	4-Bromofluorobenzene	93%	96%	95%	83-118%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-BFB
Lab File ID: Y64310.D
Instrument ID: GCMSY
Injection Date: 08/29/22
Injection Time: 12:11

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	32288	18.6		Pass
75	30.0 - 60.0% of mass 95	83378	48.0		Pass
95	Base peak, 100% relative abundance	173525	100.0		Pass
96	5.0 - 9.0% of mass 95	11168	6.44		Pass
173	Less than 2.0% of mass 174	482	0.28	(0.36) [a]	Pass
174	50.0 - 100.0% of mass 95	133221	76.8		Pass
175	5.0 - 9.0% of mass 174	9708	5.59	(7.29) [a]	Pass
176	95.0 - 101.0% of mass 174	130461	75.2	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	7943	4.58	(6.09) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY2666-IC2666	Y64311.D	08/29/22	13:05	00:54	Initial cal 1
VY2666-IC2666	Y64312.D	08/29/22	13:29	01:18	Initial cal 2
VY2666-IC2666	Y64313.D	08/29/22	13:54	01:43	Initial cal 3
VY2666-IC2666	Y64314.D	08/29/22	14:19	02:08	Initial cal 4
VY2666-ICC2666	Y64315.D	08/29/22	14:44	02:33	Initial cal 5
VY2666-IC2666	Y64316.D	08/29/22	15:09	02:58	Initial cal 6
VY2666-IC2666	Y64317.D	08/29/22	15:33	03:22	Initial cal 7

Instrument Performance Check (BFB)

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2667-BFB
Lab File ID: Y64321.D
Instrument ID: GCMSY
Injection Date: 08/30/22
Injection Time: 10:47

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	25536	18.4		Pass
75	30.0 - 60.0% of mass 95	67536	48.6		Pass
95	Base peak, 100% relative abundance	138954	100.0		Pass
96	5.0 - 9.0% of mass 95	9434	6.79		Pass
173	Less than 2.0% of mass 174	622	0.45	(0.58) [a]	Pass
174	50.0 - 100.0% of mass 95	106418	76.6		Pass
175	5.0 - 9.0% of mass 174	7583	5.46	(7.13) [a]	Pass
176	95.0 - 101.0% of mass 174	101480	73.0	(95.4) [a]	Pass
177	5.0 - 9.0% of mass 176	6567	4.73	(6.47) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY2667-CC2666	Y64322.D	08/30/22	11:12	00:25	Continuing cal 5
VY2666-ICV2666	Y64323.D	08/30/22	11:36	00:49	Initial cal verification 5
VY2667-BS	Y64324A.D	08/30/22	12:01	01:14	Blank Spike
VY2666-ICV2666	Y64324.D	08/30/22	12:01	01:14	Initial cal verification 4
VY2667-MB	Y64327.D	08/30/22	13:15	02:28	Method Blank
ZZZZZZ	Y64328.D	08/30/22	13:39	02:52	(unrelated sample)
ZZZZZZ	Y64329.D	08/30/22	14:04	03:17	(unrelated sample)
ZZZZZZ	Y64330.D	08/30/22	14:29	03:42	(unrelated sample)
ZZZZZZ	Y64331.D	08/30/22	14:54	04:07	(unrelated sample)
ZZZZZZ	Y64332.D	08/30/22	15:21	04:34	(unrelated sample)
ZZZZZZ	Y64333.D	08/30/22	15:46	04:59	(unrelated sample)
ZZZZZZ	Y64334.D	08/30/22	16:11	05:24	(unrelated sample)
ZZZZZZ	Y64335.D	08/30/22	16:36	05:49	(unrelated sample)
ZZZZZZ	Y64336.D	08/30/22	17:02	06:15	(unrelated sample)
ZZZZZZ	Y64337.D	08/30/22	17:28	06:41	(unrelated sample)
ZZZZZZ	Y64338.D	08/30/22	17:53	07:06	(unrelated sample)
ZZZZZZ	Y64339.D	08/30/22	18:19	07:32	(unrelated sample)
ZZZZZZ	Y64340.D	08/30/22	18:44	07:57	(unrelated sample)
ZZZZZZ	Y64341.D	08/30/22	19:09	08:22	(unrelated sample)
ZZZZZZ	Y64342.D	08/30/22	19:34	08:47	(unrelated sample)
FA98360-2	Y64344.D	08/30/22	20:24	09:37	(used for QC only; not part of job FA98455)
FA98360-2MS	Y64345.D	08/30/22	20:49	10:02	Matrix Spike
FA98360-2MSD	Y64346.D	08/30/22	21:14	10:27	Matrix Spike Duplicate
VY2667-ECC2666	Y64347.D	08/30/22	21:39	10:52	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2669-BFB
Lab File ID: Y64378.D
Instrument ID: GCMSY
Injection Date: 09/01/22
Injection Time: 11:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	41117	18.7		Pass
75	30.0 - 60.0% of mass 95	104888	47.8		Pass
95	Base peak, 100% relative abundance	219520	100.0		Pass
96	5.0 - 9.0% of mass 95	14524	6.62		Pass
173	Less than 2.0% of mass 174	1081	0.49	(0.63) [a]	Pass
174	50.0 - 100.0% of mass 95	172138	78.4		Pass
175	5.0 - 9.0% of mass 174	12220	5.57	(7.10) [a]	Pass
176	95.0 - 101.0% of mass 174	166464	75.8	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	11242	5.12	(6.75) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY2669-CC2666	Y64378.D	09/01/22	11:07	00:01	Continuing cal 5
VY2669-BS	Y64379.D	09/01/22	11:32	00:26	Blank Spike
VY2669-MB	Y64382.D	09/01/22	12:46	01:40	Method Blank
FA98455-7	Y64383.D	09/01/22	13:11	02:05	782-TB01-0822-C
ZZZZZZ	Y64384.D	09/01/22	13:37	02:31	(unrelated sample)
ZZZZZZ	Y64385.D	09/01/22	14:02	02:56	(unrelated sample)
ZZZZZZ	Y64386.D	09/01/22	14:27	03:21	(unrelated sample)
ZZZZZZ	Y64387.D	09/01/22	14:52	03:46	(unrelated sample)
ZZZZZZ	Y64388.D	09/01/22	15:17	04:11	(unrelated sample)
ZZZZZZ	Y64389.D	09/01/22	15:43	04:37	(unrelated sample)
FA98455-2	Y64390.D	09/01/22	16:08	05:02	782VMW-101-0822
FA98455-3	Y64391.D	09/01/22	16:33	05:27	782VMW-105B-0822
FA98455-4	Y64392.D	09/01/22	16:58	05:52	782VMW-81-0822
FA98455-5	Y64393.D	09/01/22	17:23	06:17	782VMW-121-0822
FA98455-6	Y64394.D	09/01/22	17:48	06:42	782SW-115-0822
FA98455-8	Y64395.D	09/01/22	18:13	07:07	782VMW-121-0822-A
ZZZZZZ	Y64396.D	09/01/22	18:38	07:32	(unrelated sample)
ZZZZZZ	Y64397.D	09/01/22	19:02	07:56	(unrelated sample)
FA98456-3	Y64398.D	09/01/22	19:27	08:21	(used for QC only; not part of job FA98455)
FA98455-1	Y64399.D	09/01/22	19:51	08:45	AP2MW-3-0822
ZZZZZZ	Y64400.D	09/01/22	20:16	09:10	(unrelated sample)
FA98455-4MS	Y64401.D	09/01/22	20:40	09:34	Matrix Spike
FA98455-4MSD	Y64402.D	09/01/22	21:05	09:59	Matrix Spike Duplicate
FA98456-3MS	Y64403.D	09/01/22	21:29	10:23	Matrix Spike

Instrument Performance Check (BFB)

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample:	VY2669-BFB	**Injection Date:**	09/01/22
Lab File ID:	Y64378.D	**Injection Time:**	11:06
Instrument ID:	GCMSY		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
FA98456-3MSD	Y64404.D	09/01/22	21:53	10:47	Matrix Spike Duplicate
VY2669-ECC2666	Y64405.D	09/01/22	22:18	11:12	Ending cal 5

Internal Standard Area Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	VY2669-CC2666	**Injection Date:**	09/01/22
Lab File ID:	Y64378.D	**Injection Time:**	11:07
Instrument ID:	GCMSY	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	767973	9.50	617075	12.15	336296	13.77
Check Std [b]	714010	9.50	628205	12.15	338699	13.77
Upper Limit [c]	1428020	9.67	1256410	12.32	677398	13.94
Lower Limit [d]	357005	9.33	314103	11.98	169350	13.60

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VY2669-BS	727144	9.50	629425	12.15	338850	13.77
VY2669-MB	646981	9.50	553096	12.15	273700	13.77
FA98455-7	629552	9.50	543680	12.15	261082	13.77
ZZZZZZ	627185	9.50	534463	12.15	254522	13.77
ZZZZZZ	612196	9.50	521124	12.15	251861	13.77
ZZZZZZ	598301	9.50	505799	12.15	242622	13.77
ZZZZZZ	575418	9.50	493333	12.15	235765	13.77
ZZZZZZ	584930	9.50	515270	12.15	251162	13.77
ZZZZZZ	588895	9.50	523381	12.15	255326	13.77
FA98455-2	600002	9.50	508096	12.15	242121	13.77
FA98455-3	590579	9.50	493306	12.15	237588	13.77
FA98455-4	565993	9.50	482850	12.15	224717	13.77
FA98455-5 [e]	551645	9.50	468515	12.15	218543	13.77
FA98455-6	544703	9.50	466071	12.15	213835	13.77
FA98455-8	555181	9.50	462124	12.15	218856	13.77
ZZZZZZ	558970	9.50	465463	12.15	219814	13.77
ZZZZZZ	541372	9.50	452691	12.15	215230	13.77
FA98456-3	550512	9.50	470131	12.15	213322	13.77
FA98455-1	540210	9.50	445626	12.15	207289	13.77
ZZZZZZ	534482	9.50	449068	12.15	209138	13.77
FA98455-4MS	601576	9.50	526156	12.15	265462	13.77
FA98455-4MSD	612634	9.50	541657	12.15	271309	13.77
FA98456-3MS	639326	9.50	559975	12.15	283134	13.77
FA98456-3MSD	654965	9.50	582298	12.15	300304	13.77
VY2669-ECC2666	674131	9.50	592913	12.15	321706	13.77

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: VY2666-ICC2666 Y64315.D 08/29/22 14:44
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.

Internal Standard Area Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	VY2669-CC2666	**Injection Date:**	09/01/22
Lab File ID:	Y64378.D	**Injection Time:**	11:07
Instrument ID:	GCMSY	**Method:**	SW846 8260D

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT

(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) Sample vial(s) contained bubbles greater than 6mm.

Surrogate Recovery Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
FA98455-1	Y64399.D	94	102	102	91
FA98455-2	Y64390.D	97	100	99	94
FA98455-3	Y64391.D	93	100	101	94
FA98455-4	Y64392.D	93	103	100	95
FA98455-5	Y64393.D	93	100	99	93
FA98455-6	Y64394.D	97	102	98	96
FA98455-7	Y64383.D	98	102	98	96
FA98455-8	Y64395.D	94	102	101	92
FA98455-4MS	Y64401.D	96	97	97	93
FA98455-4MSD	Y64402.D	100	100	95	96
VY2669-BS	Y64379.D	103	99	97	98
VY2669-MB	Y64382.D	95	101	98	96

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Initial Calibration Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICC2666
Lab FileID: Y64315.D

Response Factor Report MSVOA14-Y

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

Calibration Files
1 =Y64311.D 2 =Y64312.D 3 =Y64313.D 4 =Y64314.D
5 =Y64315.D 6 =Y64316.D 7 =Y64317.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I	Fluorobenzene	----------ISTD----------								
2)	Dichlorodifluorom	0.282	0.298	0.296	0.281	0.279	0.294	0.302	0.290	3.25
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9997									
	Response Ratio = 0.00000 + 0.27760 *A + 0.01180 *A^2									
3)	Acrolein	0.038	0.062	0.058	0.066	0.077	0.079	0.082	0.066	22.90
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9985									
	Response Ratio = 0.00000 + 0.06418 *A + 0.00187 *A^2									
4)P	Chloromethane	0.333	0.328	0.334	0.298	0.284	0.303	0.300	0.311	6.45
5)	1,3-butadiene	0.242	0.284	0.278	0.300	0.307	0.288	0.289	0.284	7.30
6)C	Vinyl Chloride	0.390	0.341	0.364	0.323	0.314	0.351	0.354	0.348	7.33
7)	Bromomethane	0.050	0.059	0.061	0.077	0.080	0.092	0.070	22.27	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9982									
	Response Ratio = 0.00000 + 0.05652 *A + 0.01764 *A^2									
8)	Chloroethane	0.224	0.221	0.232	0.154	0.119	0.122	0.114	0.169	32.06
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9900									
	Response Ratio = 0.00000 + 0.11905 *A									
9)	Trichlorofluorome	0.353	0.376	0.379	0.357	0.363	0.448	0.294	0.367	12.38
10)	Ethyl Ether	0.215	0.260	0.225	0.213	0.220	0.228	0.233	0.228	6.95
11)	Ethanol	0.003	0.004	0.006	0.007	0.008	0.009	0.006	37.19	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9958									
	Response Ratio = 0.00000 + 0.00487 *A + 0.00011 *A^2									
12)	1,2-Dichlorotrifl	0.247	0.280	0.244	0.240	0.243	0.251	0.257	0.252	5.48
13)C	1,1-Dichloroethen	0.330	0.351	0.329	0.330	0.332	0.353	0.360	0.341	3.97
14)	Freon 113	0.225	0.257	0.225	0.227	0.233	0.250	0.242	0.237	5.43
15)	Carbon Disulfide	0.627	0.642	0.611	0.616	0.651	0.687	0.703	0.648	5.41
16)	Iodomethane	0.024	0.033	0.042	0.061	0.073	0.071	0.050	40.63	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9909									
	Response Ratio = 0.00000 + 0.05187 *A + 0.01029 *A^2									
17)	Allyl chloride	0.209	0.285	0.286	0.318	0.349	0.330	0.343	0.303	15.97
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987									
	Response Ratio = 0.00000 + 0.31033 *A + 0.01699 *A^2									
18)	Methylene Chlorid	2.254	0.748	0.488	0.432	0.400	0.384	0.373	0.725	94.60
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9988									
	Response Ratio = 0.00000 + 0.40584 *A									
19)	Acetone	0.210	0.135	0.149	0.143	0.135	0.158	0.157	0.155	16.64
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9982									
	Response Ratio = 0.00000 + 0.13772 *A + 0.00208 *A^2									

Initial Calibration Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICC2666
Lab FileID: Y64315.D

20)	Methyl acetate	0.257	0.334	0.320	0.317	0.328	0.359	0.362	0.325	10.71
21)	trans-1,2-Dichlor	0.311	0.354	0.357	0.328	0.334	0.349	0.346	0.340	4.84
22)	Hexane	0.129	0.189	0.176	0.190	0.200	0.199	0.200	0.183	13.82
23)	Methyl Tert Butyl	0.868	0.809	0.754	0.730	0.758	0.782	0.779	0.783	5.75
24)	Tert Butyl Alcoho	0.065	0.077	0.075	0.079	0.083	0.098	0.101	0.083	15.43

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992
Response Ratio = 0.00000 + 0.07343 *A + 0.00147 *A^2

25)	Acetonitrile	0.037	0.058	0.058	0.062	0.068	0.072	0.073	0.061	20.37

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993
Response Ratio = 0.00000 + 0.06006 *A + 0.00070 *A^2

26)	Di-isopropyl ethe	0.817	0.872	0.809	0.796	0.817	0.854	0.856	0.832	3.44
27)	Chloroprene		0.058	0.051	0.063	0.068	0.066	0.071	0.063	11.38

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9980
Response Ratio = 0.00000 + 0.05941 *A + 0.00558 *A^2

28)P	1,1-Dichloroethan	0.419	0.481	0.432	0.438	0.426	0.451	0.450	0.442	4.63
29)	Acrylonitrile	0.046	0.180	0.160	0.190	0.164	0.190	0.190	0.160	32.30

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9970
Response Ratio = 0.00000 + 0.16656 *A + 0.00251 *A^2

30)	ETBE	0.824	0.896	0.799	0.788	0.786	0.849	0.860	0.829	4.98
31)	Vinyl acetate	0.284	0.670	0.611	0.700	0.653	0.740	0.759	0.631	25.52

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987
Response Ratio = 0.00000 + 0.62521 *A + 0.01400 *A^2

32)	cis-1,2-Dichloroe	0.289	0.303	0.276	0.268	0.272	0.283	0.281	0.282	4.24
33)	2,2-Dichloropropa	0.323	0.395	0.359	0.359	0.370	0.382	0.379	0.367	6.37
34)	Bromochloromethan	0.147	0.143	0.128	0.127	0.125	0.126	0.125	0.132	7.08
35)	Cyclohexane	0.429	0.523	0.458	0.485	0.500	0.503	0.514	0.487	6.81
36)C	Chloroform	0.427	0.459	0.451	0.436	0.433	0.452	0.430	0.441	2.85
37)	Ethyl acetate	0.355	0.567	0.466	0.530	0.466	0.535	0.511	0.490	14.32

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9970
Response Ratio = 0.00000 + 0.49606 *A + 0.00222 *A^2

38)	Tetrahydrofuran	0.257	0.220	0.178	0.189	0.183	0.195	0.195	0.202	13.67
39)S	Dibromofluorometh	0.214	0.222	0.224	0.226	0.227	0.230	0.226	0.224	2.24
40)	Carbon Tetrachlor	0.239	0.329	0.285	0.296	0.301	0.311	0.312	0.296	9.65
41)	1,1,1-Trichloroet	0.358	0.429	0.386	0.371	0.375	0.393	0.389	0.386	5.86
42)	2-Butanone	0.314	0.240	0.260	0.253	0.239	0.281	0.284	0.267	10.16
43)	1,1-Dichloroprope	0.300	0.395	0.340	0.351	0.349	0.367	0.360	0.352	8.15
44)	tert-Butyl format	0.210	0.215	0.182	0.217	0.249	0.246	0.263	0.226	12.37
45)	Propionitrile	0.056	0.075	0.078	0.081	0.086	0.091	0.097	0.080	16.55

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9999
Response Ratio = 0.00000 + 0.07593 *A + 0.00105 *A^2

46)	Methacrylonitrile	0.196	0.258	0.250	0.262	0.283	0.303	0.334	0.269	16.14

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998
Response Ratio = 0.00000 + 0.24180 *A + 0.00457 *A^2

47)	Benzene	1.097	1.239	1.160	1.115	1.098	1.154	1.144	1.144	4.29
48)	TAME	0.858	0.878	0.790	0.765	0.766	0.805	0.807	0.810	5.35
49)S	1,2-Dichloroethan	0.269	0.280	0.284	0.270	0.269	0.270	0.273	0.274	2.18
50)	Isobutyl Alcohol	0.010	0.017	0.018	0.021	0.025	0.028	0.030	0.021	32.08

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9991
Response Ratio = 0.00000 + 0.01881 *A + 0.00030 *A^2

51)	1,2-Dichloroethan	0.350	0.401	0.362	0.344	0.340	0.361	0.368	0.361	5.65
52)	Tert Amyl Alcohol	0.049	0.069	0.064	0.067	0.071	0.086	0.091	0.071	19.61

Initial Calibration Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICC2666
Lab FileID: Y64315.D

```
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
              Response Ratio = 0.00000 + 0.06088 *A + 0.00155 *A^2

53)  Trichloroethene   0.250 0.299 0.286 0.273 0.272 0.281 0.279 0.277   5.48
54)  Methylcyclohexane 0.381 0.525 0.469 0.482 0.500 0.510 0.521 0.484  10.31
55)  Dibromomethane    0.144 0.170 0.163 0.151 0.153 0.156 0.157 0.156   5.40
56)C 1,2-Dichloropropa 0.258 0.307 0.272 0.267 0.267 0.275 0.274 0.274   5.64
57)  Bromodichlorometh 0.237 0.318 0.283 0.284 0.298 0.312 0.316 0.293   9.72
58)  Methyl methacryla 0.095 0.237 0.267 0.304 0.344 0.351 0.363 0.280  33.55
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9985
              Response Ratio = 0.00000 + 0.28606 *A + 0.04165 *A^2

59)  1,4-Dioxane             0.005 0.005 0.006 0.006 0.007 0.007 0.006  15.87
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
              Response Ratio = 0.00000 + 0.00541 *A + 0.00005 *A^2

60)  2-Chloroethyl vin 0.053 0.072 0.063 0.076 0.085 0.083 0.084 0.074  16.12
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9982
              Response Ratio = 0.00000 + 0.07427 *A + 0.00109 *A^2

61)  cis-1,3-Dichlorop 0.252 0.395 0.367 0.386 0.394 0.422 0.423 0.377  15.55
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 0.37437 *A + 0.02660 *A^2


62) I   Chlorobenzene-d5      ----------------ISTD--------------------
63)S Toluene-d8        1.231 1.255 1.240 1.234 1.249 1.238 1.210 1.237   1.16
64)C Toluene           1.567 1.696 1.492 1.471 1.474 1.511 1.489 1.529   5.28
65)  2-Nitropropane    0.126 0.153 0.135 0.146 0.155 0.171 0.176 0.152  11.84
66)  4-Methyl-2-pentan 0.859 0.593 0.630 0.612 0.584 0.693 0.727 0.671  14.60
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
              Response Ratio = 0.00000 + 0.56816 *A + 0.01585 *A^2

67)  trans-1,3-Dichlor 0.247 0.435 0.409 0.403 0.428 0.440 0.444 0.401  17.40
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
              Response Ratio = 0.00000 + 0.40538 *A + 0.02070 *A^2

68)  Tetrachloroethene 0.335 0.410 0.368 0.365 0.371 0.369 0.370 0.369   5.90
69)  Ethyl methacrylat 0.198 0.429 0.426 0.497 0.559 0.547 0.567 0.460  28.13
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
              Response Ratio = 0.00000 + 0.47533 *A + 0.04941 *A^2

70)  1,1,2-Trichloroet 0.279 0.295 0.263 0.255 0.260 0.256 0.252 0.266   5.92
71)  Dibromochlorometh 0.247 0.295 0.268 0.283 0.293 0.307 0.304 0.285   7.58
72)  1,3-Dichloropropa 0.618 0.654 0.567 0.550 0.558 0.561 0.553 0.580   6.87
73)  1,2-Dibromoethane 0.329 0.369 0.320 0.309 0.325 0.326 0.320 0.328   5.83
74)  3,3-dimethyl-1-bu 0.078 0.107 0.095 0.116 0.147 0.167 0.163 0.125  27.59
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9944
              Response Ratio = 0.00000 + 0.11410 *A + 0.00056 *A^2

75)  2-hexanone        0.590 0.466 0.501 0.479 0.473 0.844       0.559  26.27
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9928
              Response Ratio = 0.00000 + 0.17588 *A + 0.09390 *A^2

76)  1-Chlorohexane    0.343 0.482 0.444 0.461 0.491 0.503 0.496 0.460  12.03
77)C Ethylbenzene      1.547 1.804 1.652 1.632 1.651 1.738 1.766 1.684   5.29
78)P Chlorobenzene     0.943 1.017 0.924 0.895 0.921 0.934 0.937 0.939   4.01
79)  1,1,1,2-Tetrachlo 0.271 0.306 0.292 0.297 0.299 0.310 0.311 0.298   4.63
80)  m,p-Xylene        1.152 1.335 1.258 1.263 1.292 1.378 1.432 1.301   7.00
81)  o-Xylene          1.085 1.308 1.239 1.228 1.254 1.317 1.310 1.249   6.47
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Initial Calibration Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICC2666
Lab FileID: Y64315.D

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 82)  Styrene           0.666 0.898 0.863 0.922 0.965 1.014 1.045 0.911  13.77
 83)P Bromoform         0.143 0.175 0.173 0.178 0.202 0.227 0.233 0.190  16.90
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9990
               Response Ratio = 0.00000 + 0.17243 *A + 0.03237 *A^2

 84)  Isopropylbenzene  1.370 1.685 1.554 1.564 1.606 1.672 1.669 1.589   6.94

 85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
 86)S 4-Bromofluorobenz 0.767 0.746 0.759 0.759 0.759 0.773 0.751 0.759   1.20
 87)  cis-1,4-Dichloro- 0.224 0.269 0.263 0.286 0.324 0.337 0.327 0.290  14.29
 88)  n-Propylbenzene   3.461 3.842 3.618 3.698 3.570 3.787 3.712 3.670   3.56
 89)  Bromobenzene      0.809 0.783 0.722 0.701 0.711 0.709 0.688 0.732   6.22
 90)P 1,1,2,2-Tetrachlo 1.109 1.116 1.024 0.972 0.939 0.998 0.987 1.021   6.64
 91)  1,3,5-Trimethylbe 2.249 2.572 2.555 2.551 2.435 2.615 2.574 2.507   5.05
 92)  2-Chlorotoluene   2.463 2.526 2.376 2.339 2.284 2.394 2.299 2.383   3.68
 93)  trans-1,4-Dichlor 0.224 0.273 0.251 0.266 0.273 0.296 0.302 0.269   9.83
 94)  1,2,3-Trichloropr 0.477 0.417 0.355 0.330 0.322 0.337 0.328 0.367  16.00
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
               Response Ratio = 0.00000 + 0.34734 *A + -0.01040 *A^2

 95)  Cyclohexanone     0.055 0.066 0.058 0.069 0.068 0.076 0.071 0.066  11.35
 96)  4-Chlorotoluene   2.136 2.250 2.145 2.065 2.001 2.144 2.108 2.121   3.64
 97)  tert-Butylbenzene 1.347 1.453 1.379 1.336 1.347 1.414 1.394 1.381   3.07
 98)  1,2,4-Trimethylbe 2.356 2.547 2.390 2.457 2.382 2.527 2.568 2.461   3.55
 99)  Pentachloroethane 0.250 0.341 0.353 0.369 0.409 0.396 0.399 0.360  15.16
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9990
               Response Ratio = 0.00000 + 0.37115 *A + 0.01601 *A^2

100)  sec-Butylbenzene  2.478 3.179 3.009 3.006 2.989 3.160 3.157 2.997   8.12
101)  4-Isopropyltoluen 2.140 2.541 2.522 2.523 2.480 2.720 2.698 2.518   7.57
102)  1,3-Dichlorobenze 1.414 1.386 1.304 1.281 1.241 1.308 1.286 1.317   4.65
103)  1,2,3-Trimethylbe 2.397 2.715 2.453 2.412 2.376 2.531 2.535 2.488   4.74
104)  1,4-Dichlorobenze 1.631 1.471 1.363 1.327 1.302 1.355 1.326 1.396   8.37
105)  n-Butylbenzene    1.214 1.160 1.150 1.257 1.228 1.359 1.375 1.249   7.12
106)  Benzyl Chloride   0.218 0.344 0.350 0.416 0.430 0.471 0.470 0.386  23.29
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
               Response Ratio = 0.00000 + 0.38344 *A + 0.04868 *A^2

107)  1,2-Dichlorobenze 1.294 1.416 1.268 1.256 1.219 1.286 1.277 1.288   4.78
108)  1,2-Dibromo-3-Chl 0.244 0.218 0.217 0.220 0.238 0.260 0.266 0.238   8.45
109)  Hexachlorobutadie 0.176 0.235 0.222 0.235 0.247 0.285 0.292 0.242  16.19
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9992
               Response Ratio = 0.00000 + 0.22118 *A + 0.03758 *A^2

110)  1,2,4-Trichlorobe 0.878 0.881 0.768 0.800 0.808 0.873 0.885 0.842   5.74
111)  Naphthalene       3.714 3.816 3.534 3.488 3.488 3.709 3.638 3.627   3.51
112)  1,2,3-Trichlorobe 0.942 0.853 0.798 0.802 0.793 0.864 0.856 0.844   6.23
 ----------------------------------------------------------------------------
 (#) = Out of Range

          APPIX_08-29-2022_Y.M        Tue Aug 30 15:21:44 2022
```

Initial Calibration Verification

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64323.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-08-30\Y64323.D Vial: 3
Acq On : 30 Aug 2022 11:36 am Operator: joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 10:25:42 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	109	0.00	9.50
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane	40.000	33.932	15.2	95	0.00	2.85
3		Acrolein	200.000	195.125	2.4	99	0.00	5.59
			AvgRF	CCRF	%Dev			
4	P	Chloromethane	0.311	0.300	3.5	115	0.00	3.18
5		1,3-butadiene	0.284	0.244	14.1	87	0.00	3.34
6	C	Vinyl Chloride	0.348	0.325	6.6	113	0.00	3.31
			Amount	Calc.	%Drift			
7		Bromomethane	40.000	46.771	-16.9	121	0.00	3.83
8		Chloroethane	40.000	37.444	6.4	102	0.00	4.03
			AvgRF	CCRF	%Dev			
9		Trichlorofluoromethane	0.367	0.427	-16.3	128	0.00	4.23
10		Ethyl Ether	0.228	0.225	1.3	111	0.01	4.76
			Amount	Calc.	%Drift			
11		Ethanol	800.000	893.734	-11.7	115	0.04	5.04
			AvgRF	CCRF	%Dev			
12		1,2-Dichlorotrifluoroetha	0.252	0.266	-5.6	119	0.00	5.04
13	C	1,1-Dichloroethene	0.341	0.348	-2.1	114	0.00	5.04
14		Freon 113	0.237	0.213	10.1	100	0.00	5.10
15		Carbon Disulfide	0.648	0.558	13.9	93	0.00	5.09
			Amount	Calc.	%Drift			
16		Iodomethane	40.000	36.264	9.3	96	0.00	5.28
17		Allyl chloride	40.000	42.324	-5.8	107	0.00	5.79
18		Methylene Chloride	40.000	34.174	14.6	94	0.00	5.96
19		Acetone	200.000	224.350	-12.2	133	0.00	6.05
			AvgRF	CCRF	%Dev			
20		Methyl acetate	0.325	0.373	-14.8	124	0.00	6.23
21		trans-1,2-Dichloroethene	0.340	0.336	1.2	110	0.00	6.22
22		Hexane	0.183	0.189	-3.3	103	0.00	6.33
23		Methyl Tert Butyl Ether	0.783	0.933	-19.2	134	0.00	6.38
			Amount	Calc.	%Drift			
24		Tert Butyl Alcohol	400.000	447.491	-11.9	126	0.01	6.55

Initial Calibration Verification

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25		Acetonitrile	400.000	386.608	3.3	101	0.00	6.79
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.832	0.826	0.7	110	0.00	6.98
			Amount	Calc.	%Drift			
27		Chloroprene	40.000	159.040	-297.6#	492	0.00	7.17
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane	0.442	0.451	-2.0	115	0.00	7.22
			Amount	Calc.	%Drift			
29		Acrylonitrile	200.000	196.102	1.9	115	0.00	7.30
			AvgRF	CCRF	%Dev			
30		ETBE	0.829	0.798	3.7	111	0.00	7.58
			Amount	Calc.	%Drift			
31		Vinyl acetate	200.000	198.533	0.7	113	0.00	7.60
			AvgRF	CCRF	%Dev			
32		cis-1,2-Dichloroethene	0.282	0.280	0.7	112	0.00	8.02
33		2,2-Dichloropropane	0.367	0.352	4.1	103	0.00	8.16
34		Bromochloromethane	0.132	0.123	6.8	107	0.00	8.29
35		Cyclohexane	0.487	0.445	8.6	97	0.00	8.29
36	C	Chloroform	0.441	0.409	7.3	103	0.00	8.38
			Amount	Calc.	%Drift			
37		Ethyl acetate	200.000	195.442	2.3	115	0.00	8.52
			AvgRF	CCRF	%Dev			
38		Tetrahydrofuran	0.202	0.212	-5.0	127	0.00	8.58
39	S	Dibromofluoromethane	0.224	0.231	-3.1	111	0.00	8.60
40		Carbon Tetrachloride	0.296	0.290	2.0	105	0.00	8.55
41		1,1,1-Trichloroethane	0.386	0.377	2.3	110	0.00	8.63
42		2-Butanone	0.267	0.286	-7.1	130	0.00	8.75
43		1,1-Dichloropropene	0.352	0.332	5.7	103	0.00	8.78
44		tert-Butyl formate	0.226	0.219	3.1	96	0.00	8.89
			Amount	Calc.	%Drift			
45		Propionitrile	400.000	383.159	4.2	102	0.00	9.08
46		Methacrylonitrile	400.000	361.623	9.6	96	0.00	9.11
			AvgRF	CCRF	%Dev			
47		Benzene	1.144	1.096	4.2	109	0.00	9.06
48		TAME		----------NA----------				
49	S	1,2-Dichloroethane-d4	0.274	0.270	1.5	109	0.00	9.21
			Amount	Calc.	%Drift			
50		Isobutyl Alcohol	800.000	805.553	-0.7	105	0.00	9.28
			AvgRF	CCRF	%Dev			
51		1,2-Dichloroethane	0.361	0.355	1.7	114	0.00	9.28
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	446.683	-11.7	129	0.00	9.38
			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.277	0.272	1.8	109	0.00	9.67
54		Methylcyclohexane	0.484	0.454	6.2	99	0.00	9.66

Initial Calibration Verification

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Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64323.D

55		Dibromomethane	0.156	0.153	1.9	109	0.00	10.09
56	C	1,2-Dichloropropane	0.274	0.254	7.3	104	0.00	10.17
57		Bromodichloromethane	0.293	0.299	-2.0	109	0.00	10.23
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	37.445	6.4	94	0.00	10.34
59		1,4-Dioxane	800.000	1101.924	-37.7#	155	0.00	10.41
60		2-Chloroethyl vinyl ether	200.000	203.984	-2.0	103	0.00	10.71
61		cis-1,3-Dichloropropene	40.000	40.104	-0.3	110	0.00	10.78
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00	12.15
63	S	Toluene-d8	1.237	1.237	0.0	110	0.00	10.93
64	C	Toluene	1.529	1.420	7.1	107	0.00	10.98
65		2-Nitropropane	0.152	0.173	-13.8	124	0.00	11.17
			Amount	Calc.	%Drift			
66		4-Methyl-2-pentanone	200.000	205.228	-2.6	124	0.00	11.27
67		trans-1,3-Dichloropropene	40.000	44.871	-12.2	124	0.00	11.31
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.369	0.353	4.3	106	0.00	11.30
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	35.072	12.3	89	0.00	11.40
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.266	0.260	2.3	111	0.00	11.44
71		Dibromochloromethane	0.285	0.289	-1.4	110	0.00	11.59
72		1,3-Dichloropropane	0.580	0.522	10.0	104	0.00	11.66
73		1,2-Dibromoethane	0.328	0.320	2.4	110	0.00	11.79
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol		----------NA----------				
75		2-hexanone	200.000	199.080	0.5	129	0.00	11.90
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.460	0.450	2.2	102	0.00	12.11
77	C	Ethylbenzene	1.684	1.587	5.8	107	0.00	12.16
78	P	Chlorobenzene	0.939	0.877	6.6	106	0.00	12.17
79		1,1,1,2-Tetrachloroethane	0.298	0.294	1.3	110	0.00	12.20
80		m,p-Xylene	1.301	1.241	4.6	107	0.00	12.26
81		o-Xylene	1.249	1.217	2.6	108	0.00	12.57
82		Styrene	0.911	0.952	-4.5	110	0.00	12.61
			Amount	Calc.	%Drift			
83	P	Bromoform	40.000	44.550	-11.4	123	0.00	12.67
			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.589	1.515	4.7	105	0.00	12.78
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00	13.77
86	S	4-Bromofluorobenzene	0.759	0.777	-2.4	112	0.00	13.01
87		cis-1,4-Dichloro-2-butene	0.290	0.282	2.8	95	0.00	13.03
88		n-Propylbenzene	3.670	3.397	7.4	104	0.00	13.07
89		Bromobenzene	0.732	0.678	7.4	105	0.00	13.10
90	P	1,1,2,2-Tetrachloroethane	1.021	1.015	0.6	119	0.00	13.12
91		1,3,5-Trimethylbenzene	2.507	2.253	10.1	102	0.00	13.18
92		2-Chlorotoluene	2.383	2.155	9.6	104	0.00	13.20

Initial Calibration Verification

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64323.D

93	trans-1,4-Dichloro-2-Bute	0.269	0.244	9.3	98	0.00	13.24
	---------- Amount	Calc.	%Drift	----------			
94	1,2,3-Trichloropropane	40.000	37.503	6.2	109	0.00	13.23
	---------- AvgRF	CCRF	%Dev	----------			
95	Cyclohexanone	----------NA----------					
96	4-Chlorotoluene	2.121	1.961	7.5	108	0.00	13.31
97	tert-Butylbenzene	1.381	1.226	11.2	100	0.00	13.41
98	1,2,4-Trimethylbenzene	2.461	2.276	7.5	105	0.00	13.46
	---------- Amount	Calc.	%Drift	----------			
99	Pentachloroethane	40.000	36.563	8.6	94	0.00	13.46
	---------- AvgRF	CCRF	%Dev	----------			
100	sec-Butylbenzene	2.997	2.731	8.9	100	0.00	13.53
101	4-Isopropyltoluene	2.518	2.371	5.8	105	0.00	13.61
102	1,3-Dichlorobenzene	1.317	1.243	5.6	110	0.00	13.72
103	1,2,3-Trimethylbenzene	2.488	2.425	2.5	112	0.00	13.76
104	1,4-Dichlorobenzene	1.396	1.292	7.4	109	0.00	13.78
105	n-Butylbenzene	1.249	1.030	17.5	92	0.00	13.90
	---------- Amount	Calc.	%Drift	----------			
106	Benzyl Chloride	40.000	32.168	19.6	85	0.00	13.93
	---------- AvgRF	CCRF	%Dev	----------			
107	1,2-Dichlorobenzene	1.288	1.237	4.0	111	0.00	14.07
108	1,2-Dibromo-3-Chloropropa	0.238	0.251	-5.5	116	0.00	14.60
	---------- Amount	Calc.	%Drift	----------			
109	Hexachlorobutadiene	40.000	36.572	8.6	101	0.00	15.00
	---------- AvgRF	CCRF	%Dev	----------			
110	1,2,4-Trichlorobenzene	0.842	0.839	0.4	114	0.00	15.06
111	Naphthalene	3.627	3.776	-4.1	119	0.00	15.31
112	1,2,3-Trichlorobenzene	0.844	0.826	2.1	114	0.00	15.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y64315.D APPIX_08-29-2022_Y.M Tue Aug 30 15:21:24 2022

Initial Calibration Verification

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64324.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-08-30\Y64324.D Vial: 4
Acq On : 30 Aug 2022 12:01 pm Operator: joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 10:25:42 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	116	0.00	9.50
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane		NA				
3		Acrolein		NA				
			AvgRF	CCRF	%Dev			
4	P	Chloromethane		NA				
5		1,3-butadiene		NA				
6	C	Vinyl Chloride		NA				
			Amount	Calc.	%Drift			
7		Bromomethane		NA				
8		Chloroethane		NA				
			AvgRF	CCRF	%Dev			
9		Trichlorofluoromethane		NA				
10		Ethyl Ether		NA				
			Amount	Calc.	%Drift			
11		Ethanol		NA				
			AvgRF	CCRF	%Dev			
12		1,2-Dichlorotrifluoroetha		NA				
13	C	1,1-Dichloroethene		NA				
14		Freon 113		NA				
15		Carbon Disulfide		NA				
			Amount	Calc.	%Drift			
16		Iodomethane		NA				
17		Allyl chloride		NA				
18		Methylene Chloride		NA				
19		Acetone		NA				
			AvgRF	CCRF	%Dev			
20		Methyl acetate		NA				
21		trans-1,2-Dichloroethene		NA				
22		Hexane		NA				
23		Methyl Tert Butyl Ether		NA				
			Amount	Calc.	%Drift			
24		Tert Butyl Alcohol		NA				

Initial Calibration Verification

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64324.D

25		Acetonitrile		NA				
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether		NA				
			Amount	Calc.	%Drift			
27		Chloroprene		NA				
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane		NA				
			Amount	Calc.	%Drift			
29		Acrylonitrile		NA				
			AvgRF	CCRF	%Dev			
30		ETBE		NA				
			Amount	Calc.	%Drift			
31		Vinyl acetate		NA				
			AvgRF	CCRF	%Dev			
32		cis-1,2-Dichloroethene		NA				
33		2,2-Dichloropropane		NA				
34		Bromochloromethane		NA				
35		Cyclohexane		NA				
36	C	Chloroform		NA				
			Amount	Calc.	%Drift			
37		Ethyl acetate		NA				
			AvgRF	CCRF	%Dev			
38		Tetrahydrofuran		NA				
39	S	Dibromofluoromethane	0.224	0.227	-1.3	116	0.00	8.60
40		Carbon Tetrachloride		NA				
41		1,1,1-Trichloroethane		NA				
42		2-Butanone		NA				
43		1,1-Dichloropropene		NA				
44		tert-Butyl formate		NA				
			Amount	Calc.	%Drift			
45		Propionitrile		NA				
46		Methacrylonitrile		NA				
			AvgRF	CCRF	%Dev			
47		Benzene		NA				
48		TAME	0.810	0.955	-17.9	145	0.00	9.17
49	S	1,2-Dichloroethane-d4	0.274	0.274	0.0	118	0.00	9.21
			Amount	Calc.	%Drift			
50		Isobutyl Alcohol		NA				
			AvgRF	CCRF	%Dev			
51		1,2-Dichloroethane		NA				
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol		NA				
			AvgRF	CCRF	%Dev			
53		Trichloroethene		NA				
54		Methylcyclohexane		NA				

Initial Calibration Verification

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64324.D

55		Dibromomethane			----------NA----------				
56	C	1,2-Dichloropropane			----------NA----------				
57		Bromodichloromethane			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
58		Methyl methacrylate			----------NA----------				
59		1,4-Dioxane			----------NA----------				
60		2-Chloroethyl vinyl ether			----------NA----------				
61		cis-1,3-Dichloropropene			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	116	0.00	12.15	
63	S	Toluene-d8	1.237	1.248	-0.9	118	0.00	10.93	
64	C	Toluene			----------NA----------				
65		2-Nitropropane			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
66		4-Methyl-2-pentanone			----------NA----------				
67		trans-1,3-Dichloropropene			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
68		Tetrachloroethene			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
69		Ethyl methacrylate			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
70		1,1,2-Trichloroethane			----------NA----------				
71		Dibromochloromethane			----------NA----------				
72		1,3-Dichloropropane			----------NA----------				
73		1,2-Dibromoethane			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
74		3,3-dimethyl-1-butanol	1250.000	1114.884	10.8	113	0.00	11.87	
75		2-hexanone			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
76		1-Chlorohexane			----------NA----------				
77	C	Ethylbenzene			----------NA----------				
78	P	Chlorobenzene			----------NA----------				
79		1,1,1,2-Tetrachloroethane			----------NA----------				
80		m,p-Xylene			----------NA----------				
81		o-Xylene			----------NA----------				
82		Styrene			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
83	P	Bromoform			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
84		Isopropylbenzene			----------NA----------				
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	0.00	13.77	
86	S	4-Bromofluorobenzene	0.759	0.784	-3.3	122	0.00	13.01	
87		cis-1,4-Dichloro-2-butene			----------NA----------				
88		n-Propylbenzene			----------NA----------				
89		Bromobenzene			----------NA----------				
90	P	1,1,2,2-Tetrachloroethane			----------NA----------				
91		1,3,5-Trimethylbenzene			----------NA----------				
92		2-Chlorotoluene			----------NA----------				

Initial Calibration Verification

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64324.D

93	trans-1,4-Dichloro-2-Bute		NA				
	----------	Amount	Calc.	%Drift	----------		
94	1,2,3-Trichloropropane		NA				
	----------	AvgRF	CCRF	%Dev	----------		
95	Cyclohexanone	0.066	0.070	-6.1	121	0.00	13.29
96	4-Chlorotoluene		NA				
97	tert-Butylbenzene		NA				
98	1,2,4-Trimethylbenzene		NA				
	----------	Amount	Calc.	%Drift	----------		
99	Pentachloroethane		NA				
	----------	AvgRF	CCRF	%Dev	----------		
100	sec-Butylbenzene		NA				
101	4-Isopropyltoluene		NA				
102	1,3-Dichlorobenzene		NA				
103	1,2,3-Trimethylbenzene		NA				
104	1,4-Dichlorobenzene		NA				
105	n-Butylbenzene		NA				
	----------	Amount	Calc.	%Drift	----------		
106	Benzyl Chloride		NA				
	----------	AvgRF	CCRF	%Dev	----------		
107	1,2-Dichlorobenzene		NA				
108	1,2-Dibromo-3-Chloropropa		NA				
	----------	Amount	Calc.	%Drift	----------		
109	Hexachlorobutadiene		NA				
	----------	AvgRF	CCRF	%Dev	----------		
110	1,2,4-Trichlorobenzene		NA				
111	Naphthalene		NA				
112	1,2,3-Trichlorobenzene		NA				

(#) = Out of Range SPCC's out = 4 CCC's out = 6
Y64314.D APPIX_08-29-2022_Y.M Tue Aug 30 15:19:26 2022

Continuing Calibration Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2669-CC2666
Lab FileID: Y64378.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-09-01\Y64378.D Vial: 2
Acq On : 1 Sep 2022 11:07 am Operator: joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 10:25:42 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	93	0.00	9.50
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane	40.000	42.259	-5.6	101	0.00	2.85
3		Acrolein	200.000	215.871	-7.9	94	0.00	5.58
			AvgRF	CCRF	%Dev			
4	P	Chloromethane	0.311	0.331	-6.4	108	0.00	3.17
5		1,3-butadiene	0.284	0.327	-15.1	99	0.00	3.34
6	C	Vinyl Chloride	0.348	0.363	-4.3	107	0.00	3.31
			Amount	Calc.	%Drift			
7		Bromomethane	40.000	34.528	13.7	72	0.00	3.83
8		Chloroethane	40.000	47.011	-17.5	110	0.00	4.03
			AvgRF	CCRF	%Dev			
9		Trichlorofluoromethane	0.367	0.411	-12.0	105	0.00	4.25
10		Ethyl Ether	0.228	0.242	-6.1	102	0.00	4.74
			Amount	Calc.	%Drift			
11		Ethanol	800.000	836.449	-4.6	90	0.00	5.00
			AvgRF	CCRF	%Dev			
12		1,2-Dichlorotrifluoroetha	0.252	0.278	-10.3	106	0.00	5.04
13	C	1,1-Dichloroethene	0.341	0.379	-11.1	106	0.00	5.05
14		Freon 113	0.237	0.269	-13.5	107	0.00	5.11
15		Carbon Disulfide	0.648	0.723	-11.6	103	0.00	5.10
			Amount	Calc.	%Drift			
16		Iodomethane	40.000	46.530	-16.3	109	0.00	5.27
17		Allyl chloride	40.000	41.167	-2.9	89	0.00	5.78
18		Methylene Chloride	40.000	37.692	5.8	89	0.00	5.96
19		Acetone	200.000	209.005	-4.5	105	0.00	6.03
			AvgRF	CCRF	%Dev			
20		Methyl acetate	0.325	0.367	-12.9	104	0.00	6.22
21		trans-1,2-Dichloroethene	0.340	0.370	-8.8	103	0.00	6.22
22		Hexane	0.183	0.214	-16.9	100	0.00	6.33
23		Methyl Tert Butyl Ether	0.783	0.802	-2.4	98	0.00	6.37
			Amount	Calc.	%Drift			
24		Tert Butyl Alcohol	400.000	414.475	-3.6	99	0.00	6.53

Continuing Calibration Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2669-CC2666
Lab FileID: Y64378.D

25		Acetonitrile	400.000	400.655	-0.2	90	0.00	6.78
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.832	0.877	-5.4	100	0.00	6.98
			Amount	Calc.	%Drift			
27		Chloroprene	40.000	42.794	-7.0	94	0.00	7.17
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane	0.442	0.470	-6.3	103	0.00	7.21
			Amount	Calc.	%Drift			
29		Acrylonitrile	200.000	202.483	-1.2	101	0.00	7.30
			AvgRF	CCRF	%Dev			
30		ETBE	0.829	0.875	-5.5	104	0.00	7.57
			Amount	Calc.	%Drift			
31		Vinyl acetate	200.000	205.438	-2.7	100	0.00	7.60
			AvgRF	CCRF	%Dev			
32		cis-1,2-Dichloroethene	0.282	0.300	-6.4	103	0.00	8.03
33		2,2-Dichloropropane	0.367	0.401	-9.3	101	0.00	8.16
34		Bromochloromethane	0.132	0.133	-0.8	99	0.00	8.29
35		Cyclohexane	0.487	0.560	-15.0	104	0.00	8.29
36	C	Chloroform	0.441	0.455	-3.2	98	0.00	8.38
			Amount	Calc.	%Drift			
37		Ethyl acetate	200.000	201.599	-0.8	101	0.00	8.51
			AvgRF	CCRF	%Dev			
38		Tetrahydrofuran	0.202	0.206	-2.0	105	0.00	8.58
39	S	Dibromofluoromethane	0.224	0.227	-1.3	93	0.00	8.60
40		Carbon Tetrachloride	0.296	0.325	-9.8	100	0.00	8.55
41		1,1,1-Trichloroethane	0.386	0.419	-8.5	104	0.00	8.63
42		2-Butanone	0.267	0.272	-1.9	106	0.00	8.74
43		1,1-Dichloropropene	0.352	0.381	-8.2	101	0.00	8.78
44		tert-Butyl formate	0.226	0.255	-12.8	95	0.00	8.89
			Amount	Calc.	%Drift			
45		Propionitrile	400.000	410.902	-2.7	94	0.00	9.08
46		Methacrylonitrile	400.000	408.014	-2.0	94	0.00	9.10
			AvgRF	CCRF	%Dev			
47		Benzene	1.144	1.212	-5.9	103	0.00	9.06
48		TAME	0.810	0.828	-2.2	100	0.00	9.17
49	S	1,2-Dichloroethane-d4	0.274	0.269	1.8	93	0.00	9.21
			Amount	Calc.	%Drift			
50		Isobutyl Alcohol	800.000	844.643	-5.6	94	0.00	9.27
			AvgRF	CCRF	%Dev			
51		1,2-Dichloroethane	0.361	0.367	-1.7	100	0.00	9.28
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	430.154	-7.5	105	0.00	9.37
			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.277	0.301	-8.7	103	0.00	9.67
54		Methylcyclohexane	0.484	0.552	-14.0	103	0.00	9.66

Continuing Calibration Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2669-CC2666
Lab FileID: Y64378.D

55		Dibromomethane	0.156	0.165	-5.8	101	0.00	10.09
56	C	1,2-Dichloropropane	0.274	0.282	-2.9	98	0.00	10.17
57		Bromodichloromethane	0.293	0.311	-6.1	97	0.00	10.23
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	42.070	-5.2	91	0.00	10.34
59		1,4-Dioxane	800.000	814.451	-1.8	94	0.00	10.41
60		2-Chloroethyl vinyl ether	200.000	239.434	-19.7	105	0.00	10.71
61		cis-1,3-Dichloropropene	40.000	42.888	-7.2	100	0.00	10.78
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00	12.15
63	S	Toluene-d8	1.237	1.175	5.0	96	0.00	10.93
64	C	Toluene	1.529	1.486	2.8	103	0.00	10.97
65		2-Nitropropane	0.152	0.155	-2.0	102	0.00	11.17
			Amount	Calc.	%Drift			
66		4-Methyl-2-pentanone	200.000	196.603	1.7	108	0.00	11.27
67		trans-1,3-Dichloropropene	40.000	39.693	0.8	99	0.00	11.31
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.369	0.359	2.7	98	0.00	11.30
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	39.027	2.4	91	0.00	11.40
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.266	0.255	4.1	100	0.00	11.44
71		Dibromochloromethane	0.285	0.281	1.4	97	0.00	11.59
72		1,3-Dichloropropane	0.580	0.559	3.6	102	0.00	11.66
73		1,2-Dibromoethane	0.328	0.321	2.1	100	0.00	11.79
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	1875.089	6.2	88	0.00	11.87
75		2-hexanone	200.000	192.181	3.9	111	0.00	11.90
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.460	0.486	-5.7	101	0.00	12.11
77	C	Ethylbenzene	1.684	1.659	1.5	102	0.00	12.15
78	P	Chlorobenzene	0.939	0.905	3.6	100	0.00	12.17
79		1,1,1,2-Tetrachloroethane	0.298	0.296	0.7	101	0.00	12.20
80		m,p-Xylene	1.301	1.292	0.7	102	0.00	12.26
81		o-Xylene	1.249	1.233	1.3	100	0.00	12.57
82		Styrene	0.911	0.942	-3.4	99	0.00	12.61
			Amount	Calc.	%Drift			
83	P	Bromoform	40.000	38.786	3.0	96	0.00	12.67
			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.589	1.582	0.4	100	0.00	12.78
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	13.77
86	S	4-Bromofluorobenzene	0.759	0.728	4.1	97	0.00	13.01
87		cis-1,4-Dichloro-2-butene	0.290	0.208	28.3#	65	0.00	13.03
88		n-Propylbenzene	3.670	3.514	4.3	99	0.00	13.07
89		Bromobenzene	0.732	0.678	7.4	96	0.00	13.10
90	P	1,1,2,2-Tetrachloroethane	1.021	0.973	4.7	104	0.00	13.12
91		1,3,5-Trimethylbenzene	2.507	2.389	4.7	99	0.00	13.18
92		2-Chlorotoluene	2.383	2.204	7.5	97	0.00	13.20

Continuing Calibration Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2669-CC2666
Lab FileID: Y64378.D

93	trans-1,4-Dichloro-2-Bute	0.269	0.212	21.2#	78	0.00	13.24
	----------	Amount	Calc.	%Drift	----------		
94	1,2,3-Trichloropropane	40.000	38.426	3.9	102	0.00	13.23
	----------	AvgRF	CCRF	%Dev	----------		
95	Cyclohexanone	0.066	0.066	0.0	98	0.00	13.29
96	4-Chlorotoluene	2.121	1.970	7.1	99	0.00	13.31
97	tert-Butylbenzene	1.381	1.292	6.4	97	0.00	13.41
98	1,2,4-Trimethylbenzene	2.461	2.354	4.3	100	0.00	13.46
	----------	Amount	Calc.	%Drift	----------		
99	Pentachloroethane	40.000	37.257	6.9	88	0.00	13.46
	----------	AvgRF	CCRF	%Dev	----------		
100	sec-Butylbenzene	2.997	2.882	3.8	97	0.00	13.53
101	4-Isopropyltoluene	2.518	2.435	3.3	99	0.00	13.61
102	1,3-Dichlorobenzene	1.317	1.216	7.7	99	0.00	13.72
103	1,2,3-Trimethylbenzene	2.488	2.353	5.4	100	0.00	13.76
104	1,4-Dichlorobenzene	1.396	1.262	9.6	98	0.00	13.78
105	n-Butylbenzene	1.249	1.176	5.8	96	0.00	13.90
	----------	Amount	Calc.	%Drift	----------		
106	Benzyl Chloride	40.000	40.156	-0.4	99	0.00	13.93
	----------	AvgRF	CCRF	%Dev	----------		
107	1,2-Dichlorobenzene	1.288	1.222	5.1	101	0.00	14.07
108	1,2-Dibromo-3-Chloropropa	0.238	0.248	-4.2	105	0.00	14.60
	----------	Amount	Calc.	%Drift	----------		
109	Hexachlorobutadiene	40.000	36.230	9.4	92	0.00	15.01
	----------	AvgRF	CCRF	%Dev	----------		
110	1,2,4-Trichlorobenzene	0.842	0.779	7.5	97	0.00	15.06
111	Naphthalene	3.627	3.554	2.0	103	0.00	15.31
112	1,2,3-Trichlorobenzene	0.844	0.782	7.3	99	0.00	15.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y64315.D APPIX_08-29-2022_Y.M Thu Sep 01 11:26:08 2022

Continuing Calibration Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2669-ECC2666
Lab FileID: Y64405.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\jo...-2022\vy2669\Y64405.D Vial: 29
Acq On : 1 Sep 2022 10:18 pm Operator: joannel
Sample : ECC2666-5 Inst : MSVOA14-Y
Misc : MS52308,VY2669,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Fri Sep 14 08:38:11 2018
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	88	0.00	9.50
			True	Calc.	% Drift			
2		Dichlorodifluoromethane	40.000	39.317	1.7	89	0.00	2.85
3		Acrolein	200.000	208.328	-4.2	85	0.00	5.58
			AvgRF	CCRF	% Dev			
4	P	Chloromethane	0.311	0.312	-0.3	97	0.00	3.18
5		1,3-butadiene	0.284	0.312	-9.9	89	0.00	3.34
6	C	Vinyl Chloride	0.348	0.341	2.0	95	0.00	3.31
			True	Calc.	% Drift			
7		Bromomethane	40.000	54.593	-36.5	118	0.00	3.83
8		Chloroethane	40.000	46.368	-15.9	102	0.00	4.03
			AvgRF	CCRF	% Dev			
9		Trichlorofluoromethane	0.367	0.394	-7.4	95	0.00	4.24
10		Ethyl Ether	0.228	0.243	-6.6	97	0.00	4.75
			True	Calc.	% Drift			
11		Ethanol	800.000	939.853	-17.5	99	0.00	5.00
			AvgRF	CCRF	% Dev			
12		1,2-Dichlorotrifluoroetha	0.252	0.260	-3.2	94	0.00	5.04
13	C	1,1-Dichloroethene	0.341	0.373	-9.4	98	0.00	5.04
14		Freon 113	0.237	0.250	-5.5	94	0.00	5.10
15		Carbon Disulfide	0.648	0.696	-7.4	94	0.00	5.10
			True	Calc.	% Drift			
16		Iodomethane	40.000	45.821	-14.6	101	0.00	5.27
17		Allyl chloride	40.000	39.450	1.4	80	0.00	5.79
18		Methylene Chloride	40.000	40.387	-1.0	90	0.00	5.96
19		Acetone	200.000	218.548	-9.3	104	0.00	6.04
			AvgRF	CCRF	% Dev			
20		Methyl acetate	0.325	0.388	-19.4	104	0.00	6.22
21		trans-1,2-Dichloroethene	0.340	0.360	-5.9	95	0.00	6.22
22		Hexane	0.183	0.196	-7.1	86	0.00	6.33
23		Methyl Tert Butyl Ether	0.783	0.817	-4.3	95	0.00	6.38
			True	Calc.	% Drift			
24		Tert Butyl Alcohol	400.000	441.475	-10.4	100	0.00	6.53

Continuing Calibration Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2669-ECC2666
Lab FileID: Y64405.D

25		Acetonitrile	400.000	437.450	-9.4	93	0.00	6.78
			AvgRF	CCRF	% Dev			
26		Di-isopropyl ether	0.832	0.890	-7.0	96	0.00	6.98
			True	Calc.	% Drift			
27		Chloroprene	40.000	40.084	-0.2	83	0.00	7.17
			AvgRF	CCRF	% Dev			
28	P	1,1-Dichloroethane	0.442	0.472	-6.8	97	0.00	7.22
			True	Calc.	% Drift			
29		Acrylonitrile	200.000	211.948	-6.0	101	0.00	7.30
			AvgRF	CCRF	% Dev			
30		ETBE	0.829	0.898	-8.3	100	0.00	7.57
			True	Calc.	% Drift			
31		Vinyl acetate	200.000	205.770	-2.9	94	0.00	7.60
			AvgRF	CCRF	% Dev			
32		cis-1,2-Dichloroethene	0.282	0.299	-6.0	96	0.00	8.03
33		2,2-Dichloropropane	0.367	0.318	13.4	75	0.00	8.17
34		Bromochloromethane	0.132	0.132	0.0	93	0.00	8.29
35		Cyclohexane	0.487	0.540	-10.9	95	0.00	8.29
36	C	Chloroform	0.441	0.472	-7.0	96	0.00	8.38
			True	Calc.	% Drift			
37		Ethyl acetate	200.000	207.175	-3.6	99	0.00	8.51
			AvgRF	CCRF	% Dev			
38		Tetrahydrofuran	0.202	0.209	-3.5	100	0.00	8.58
39	S	Dibromofluoromethane	0.224	0.228	-1.8	88	0.00	8.60
40		Carbon Tetrachloride	0.296	0.308	-4.1	90	0.00	8.55
41		1,1,1-Trichloroethane	0.386	0.407	-5.4	95	0.00	8.63
42		2-Butanone	0.267	0.283	-6.0	104	0.00	8.74
43		1,1-Dichloropropene	0.352	0.379	-7.7	95	0.00	8.78
44		tert-Butyl formate	0.226	0.252	-11.5	89	0.00	8.89
			True	Calc.	% Drift			
45		Propionitrile	400.000	417.394	-4.3	90	0.00	9.08
46		Methacrylonitrile	400.000	416.400	-4.1	90	0.00	9.10
			AvgRF	CCRF	% Dev			
47		Benzene	1.144	1.220	-6.6	97	0.00	9.06
48		TAME	0.810	0.852	-5.2	98	0.00	9.17
49	S	1,2-Dichloroethane-d4	0.274	0.269	1.8	88	0.00	9.21
			True	Calc.	% Drift			
50		Isobutyl Alcohol	800.000	901.840	-12.7	97	0.00	9.28
			AvgRF	CCRF	% Dev			
51		1,2-Dichloroethane	0.361	0.378	-4.7	98	0.00	9.28
			True	Calc.	% Drift			
52		Tert Amyl Alcohol	400.000	446.850	-11.7	104	0.00	9.37
			AvgRF	CCRF	% Dev			
53		Trichloroethene	0.277	0.295	-6.5	95	0.00	9.67
54		Methylcyclohexane	0.484	0.537	-11.0	94	0.00	9.66

Continuing Calibration Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2669-ECC2666
Lab FileID: Y64405.D

55		Dibromomethane	0.156	0.167	-7.1	96	0.00	10.09
56	C	1,2-Dichloropropane	0.274	0.298	-8.8	98	0.00	10.17
57		Bromodichloromethane	0.293	0.320	-9.2	94	0.00	10.23
			True	Calc.	% Drift			
58		Methyl methacrylate	40.000	43.258	-8.1	89	0.00	10.34
59		1,4-Dioxane	800.000	990.074	-23.8	110	0.00	10.41
60		2-Chloroethyl vinyl ether	200.000	246.094	-23.0	102	0.00	10.71
61		cis-1,3-Dichloropropene	40.000	42.053	-5.1	93	0.00	10.78
			AvgRF	CCRF	% Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00	12.15
63	S	Toluene-d8	1.237	1.189	3.9	91	0.00	10.93
64	C	Toluene	1.529	1.491	2.5	97	0.00	10.97
65		2-Nitropropane	0.152	0.155	-2.0	96	0.00	11.17
			True	Calc.	% Drift			
66		4-Methyl-2-pentanone	200.000	205.267	-2.6	107	0.00	11.27
67		trans-1,3-Dichloropropene	40.000	39.239	1.9	93	0.00	11.31
			AvgRF	CCRF	% Dev			
68		Tetrachloroethene	0.369	0.358	3.0	93	0.00	11.30
			True	Calc.	% Drift			
69		Ethyl methacrylate	40.000	39.434	1.4	87	0.00	11.40
			AvgRF	CCRF	% Dev			
70		1,1,2-Trichloroethane	0.266	0.258	3.0	95	0.00	11.44
71		Dibromochloromethane	0.285	0.281	1.4	92	0.00	11.59
72		1,3-Dichloropropane	0.580	0.564	2.8	97	0.00	11.66
73		1,2-Dibromoethane	0.328	0.324	1.2	96	0.00	11.79
			True	Calc.	% Drift			
74		3,3-dimethyl-1-butanol	2000.000	1979.903	1.0	89	0.00	11.87
75		2-hexanone	200.000	194.914	2.5	107	0.00	11.90
			AvgRF	CCRF	% Dev			
76		1-Chlorohexane	0.460	0.472	-2.6	92	0.00	12.11
77	C	Ethylbenzene	1.684	1.683	0.1	98	0.00	12.15
78	P	Chlorobenzene	0.939	0.928	1.2	97	0.00	12.17
79		1,1,1,2-Tetrachloroethane	0.298	0.298	0.0	96	0.00	12.20
80		m,p-Xylene	1.301	1.305	-0.3	97	0.00	12.26
81		o-Xylene	1.249	1.285	-2.9	98	0.00	12.57
82		Styrene	0.911	1.007	-10.5	100	0.00	12.61
			True	Calc.	% Drift			
83	P	Bromoform	40.000	34.978	12.6	81	0.00	12.67
			AvgRF	CCRF	% Dev			
84		Isopropylbenzene	1.589	1.620	-2.0	97	0.00	12.78
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00	13.77
86	S	4-Bromofluorobenzene	0.759	0.707	6.9	89	0.00	13.01
87		cis-1,4-Dichloro-2-butene	0.290	0.181	37.6	53	0.00	13.03
88		n-Propylbenzene	3.670	3.653	0.5	98	0.00	13.07
89		Bromobenzene	0.732	0.662	9.6	89	0.00	13.10
90	P	1,1,2,2-Tetrachloroethane	1.021	0.986	3.4	100	0.00	13.12
91		1,3,5-Trimethylbenzene	2.507	2.492	0.6	98	0.00	13.18
92		2-Chlorotoluene	2.383	2.288	4.0	96	0.00	13.20

Continuing Calibration Summary

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2669-ECC2666
Lab FileID: Y64405.D

93	trans-1,4-Dichloro-2-Bute	0.269	0.179	33.5	62	0.00	13.24
	----------	True	Calc.	% Drift	----------		
94	1,2,3-Trichloropropane	40.000	38.796	3.0	98	0.00	13.23
	----------	AvgRF	CCRF	% Dev	----------		
95	Cyclohexanone	0.066	0.068	-3.0	96	0.00	13.29
96	4-Chlorotoluene	2.121	2.072	2.3	99	0.00	13.31
97	tert-Butylbenzene	1.381	1.363	1.3	97	0.00	13.41
98	1,2,4-Trimethylbenzene	2.461	2.470	-0.4	99	0.00	13.46
	----------	True	Calc.	% Drift	----------		
99	Pentachloroethane	40.000	31.932	20.2	71	0.00	13.46
	----------	AvgRF	CCRF	% Dev	----------		
100	sec-Butylbenzene	2.997	3.058	-2.0	98	0.00	13.53
101	4-Isopropyltoluene	2.518	2.557	-1.5	99	0.00	13.61
102	1,3-Dichlorobenzene	1.317	1.223	7.1	94	0.00	13.72
103	1,2,3-Trimethylbenzene	2.488	2.414	3.0	97	0.00	13.76
104	1,4-Dichlorobenzene	1.396	1.270	9.0	93	0.00	13.78
105	n-Butylbenzene	1.249	1.268	-1.5	99	0.00	13.89
	----------	True	Calc.	% Drift	----------		
106	Benzyl Chloride	40.000	28.311	29.2	65	0.00	13.93
	----------	AvgRF	CCRF	% Dev	----------		
107	1,2-Dichlorobenzene	1.288	1.207	6.3	95	0.00	14.07
108	1,2-Dibromo-3-Chloropropa	0.238	0.231	2.9	93	0.00	14.60
	----------	True	Calc.	% Drift	----------		
109	Hexachlorobutadiene	40.000	37.289	6.8	90	0.00	15.00
	----------	AvgRF	CCRF	% Dev	----------		
110	1,2,4-Trichlorobenzene	0.842	0.742	11.9	88	0.00	15.06
111	Naphthalene	3.627	3.513	3.1	96	0.00	15.31
112	1,2,3-Trichlorobenzene	0.844	0.740	12.3	89	0.00	15.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y64315.D APPIX_08-29-2022_Y.M Fri Sep 02 02:33:53 2022

Run Sequence Report

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VY2666 **Method:** SW846 8260D **Instrument ID:** GCMSY

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VY2666-BFB	Y64310.D	08/29/22 12:11	n/a	BFB Tune
VY2666-IC2666	Y64311.D	08/29/22 13:05	n/a	Initial cal 1
VY2666-IC2666	Y64312.D	08/29/22 13:29	n/a	Initial cal 2
VY2666-IC2666	Y64313.D	08/29/22 13:54	n/a	Initial cal 3
VY2666-IC2666	Y64314.D	08/29/22 14:19	n/a	Initial cal 4
VY2666-ICC2666	Y64315.D	08/29/22 14:44	n/a	Initial cal 5
VY2666-IC2666	Y64316.D	08/29/22 15:09	n/a	Initial cal 6
VY2666-IC2666	Y64317.D	08/29/22 15:33	n/a	Initial cal 7
VY2666-ICV2666	Y64323.D	08/30/22 11:36	n/a	Initial cal verification 5
VY2666-ICV2666	Y64324.D	08/30/22 12:01	n/a	Initial cal verification 4

Run Sequence Report

Job Number: FA98455
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VY2669 **Method:** SW846 8260D **Instrument ID:** GCMSY

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VY2669-BFB	Y64378.D	09/01/22 11:06	n/a	BFB Tune
VY2669-CC2666	Y64378.D	09/01/22 11:07	n/a	Continuing cal 5
VY2669-BS	Y64379.D	09/01/22 11:32	n/a	Blank Spike
VY2669-MB	Y64382.D	09/01/22 12:46	n/a	Method Blank
FA98455-7	Y64383.D	09/01/22 13:11	n/a	782-TB01-0822-C
ZZZZZZ	Y64384.D	09/01/22 13:37	n/a	(unrelated sample)
ZZZZZZ	Y64385.D	09/01/22 14:02	n/a	(unrelated sample)
ZZZZZZ	Y64386.D	09/01/22 14:27	n/a	(unrelated sample)
ZZZZZZ	Y64387.D	09/01/22 14:52	n/a	(unrelated sample)
ZZZZZZ	Y64388.D	09/01/22 15:17	n/a	(unrelated sample)
ZZZZZZ	Y64389.D	09/01/22 15:43	n/a	(unrelated sample)
FA98455-2	Y64390.D	09/01/22 16:08	n/a	782VMW-101-0822
FA98455-3	Y64391.D	09/01/22 16:33	n/a	782VMW-105B-0822
FA98455-4	Y64392.D	09/01/22 16:58	n/a	782VMW-81-0822
FA98455-5	Y64393.D	09/01/22 17:23	n/a	782VMW-121-0822
FA98455-6	Y64394.D	09/01/22 17:48	n/a	782SW-115-0822
FA98455-8	Y64395.D	09/01/22 18:13	n/a	782VMW-121-0822-A
ZZZZZZ	Y64396.D	09/01/22 18:38	n/a	(unrelated sample)
ZZZZZZ	Y64397.D	09/01/22 19:02	n/a	(unrelated sample)
FA98456-3	Y64398.D	09/01/22 19:27	n/a	(used for QC only; not part of job FA98455)
FA98455-1	Y64399.D	09/01/22 19:51	n/a	AP2MW-3-0822
ZZZZZZ	Y64400.D	09/01/22 20:16	n/a	(unrelated sample)
FA98455-4MS	Y64401.D	09/01/22 20:40	n/a	Matrix Spike
FA98455-4MSD	Y64402.D	09/01/22 21:05	n/a	Matrix Spike Duplicate
FA98456-3MS	Y64403.D	09/01/22 21:29	n/a	Matrix Spike
FA98456-3MSD	Y64404.D	09/01/22 21:53	n/a	Matrix Spike Duplicate
VY2669-ECC2666	Y64405.D	09/01/22 22:18	n/a	Ending cal 5

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64399.D
Acq On : 1 Sep 2022 7:51 pm
Operator : joannel
Sample : FA98455-1 5X
Misc : MS52308,VY2669,,,,,5
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 02 02:23:18 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

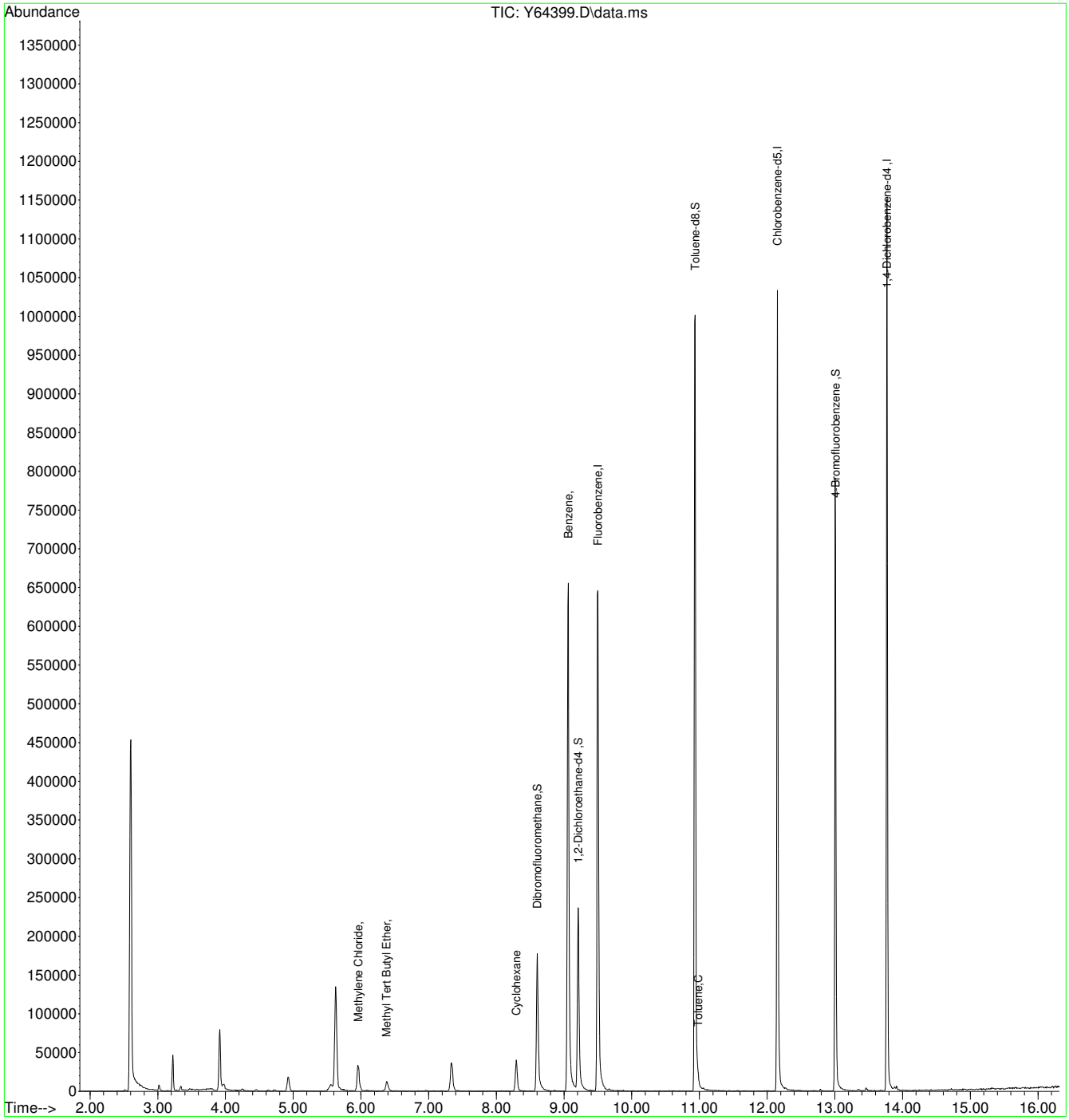
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.500	96	540210	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.153	117	445626	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.771	152	207289	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.606	113	113307	46.81	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.62%			
49) 1,2-Dichloroethane-d4	9.208	65	151228	51.15	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.30%			
63) Toluene-d8	10.936	98	560649	50.87	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.74%			
86) 4-Bromofluorobenzene	13.010	174	142960	45.43	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 90.86%			
Target Compounds						Qvalue
18) Methylene Chloride	5.960	49	20138	4.59	ug/L	95
23) Methyl Tert Butyl Ether	6.379	73	14113	1.67	ug/L #	76
35) Cyclohexane	8.296	56	19388	3.68	ug/L	94
47) Benzene	9.062	78	551616	44.63	ug/L	97
64) Toluene	10.978	91	2733	0.20	ug/L	67

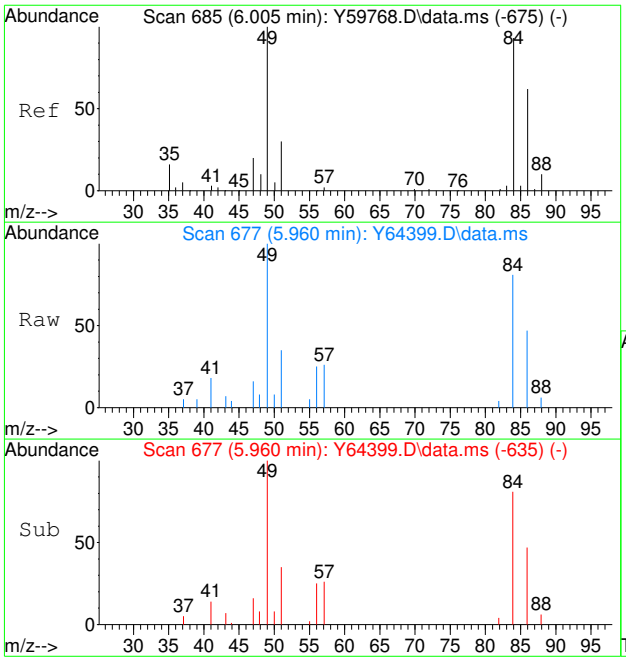
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64399.D
Acq On : 1 Sep 2022 7:51 pm
Operator : joannel
Sample : FA98455-1 5X
Misc : MS52308,VY2669,,,,,5
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 02 02:23:18 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

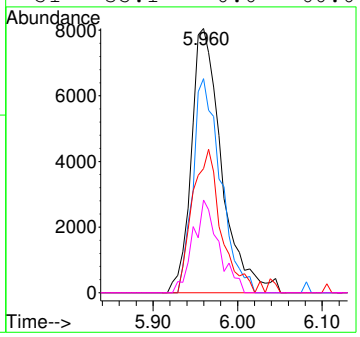


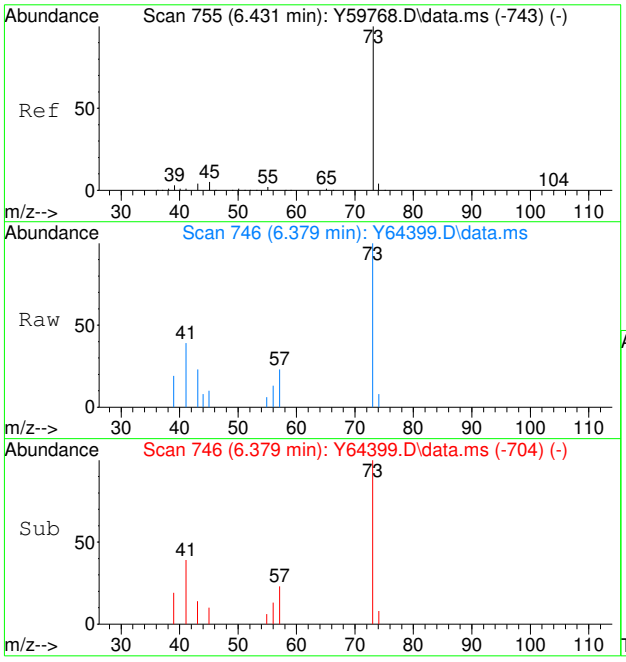


#18
Methylene Chloride
Concen: 4.59 ug/L
RT: 5.960 min Scan# 677
Delta R.T. 0.004 min
Lab File: Y64399.D
Acq: 1 Sep 2022 7:51 pm

Tgt Ion: 49 Resp: 20138

Ion	Ratio	Lower	Upper
49	100		
84	81.0	48.1	108.1
86	46.9	21.4	81.4
51	35.1	0.0	60.0

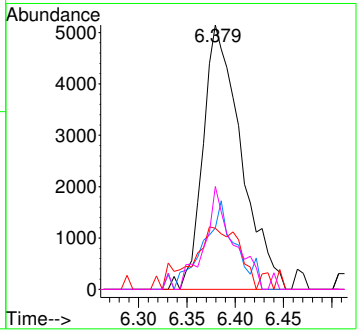


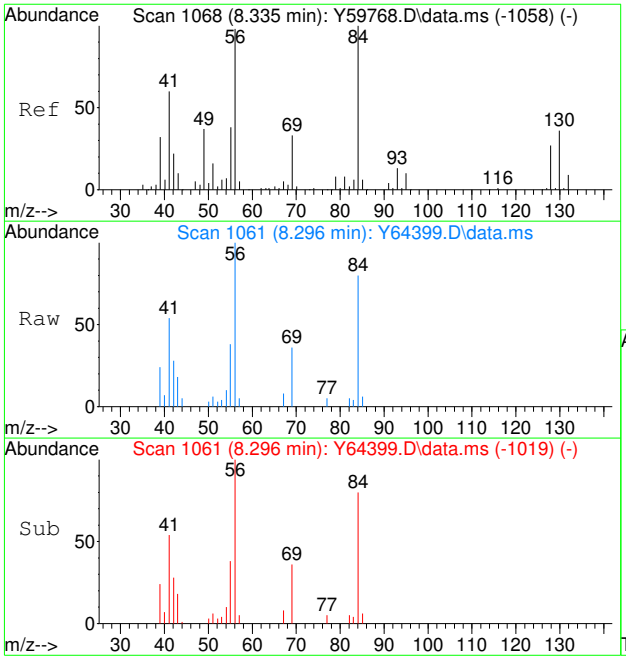


#23
Methyl Tert Butyl Ether
Concen: 1.67 ug/L
RT: 6.379 min Scan# 746
Delta R.T. 0.003 min
Lab File: Y64399.D
Acq: 1 Sep 2022 7:51 pm

Tgt Ion: 73 Resp: 14113

Ion	Ratio	Lower	Upper
73	100		
57	23.3	0.0	46.6
43	23.1	0.0	44.8
41	38.9	0.0	32.6#

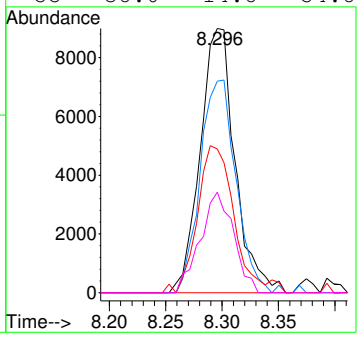


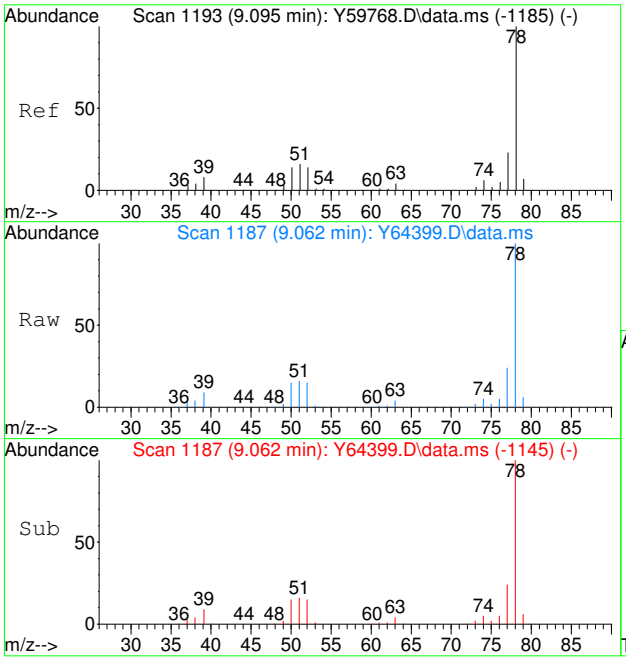


#35
Cyclohexane
Concen: 3.68 ug/L
RT: 8.296 min Scan# 1061
Delta R.T. 0.003 min
Lab File: Y64399.D
Acq: 1 Sep 2022 7:51 pm

Tgt Ion: 56 Resp: 19388

Ion	Ratio	Lower	Upper
56	100		
84	80.0	68.6	108.6
41	54.4	34.8	74.8
55	38.0	14.8	54.8

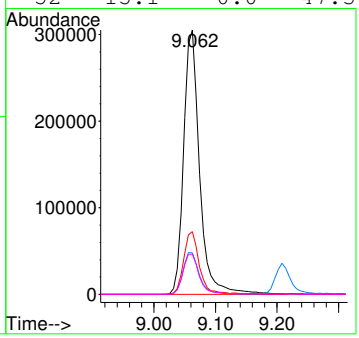


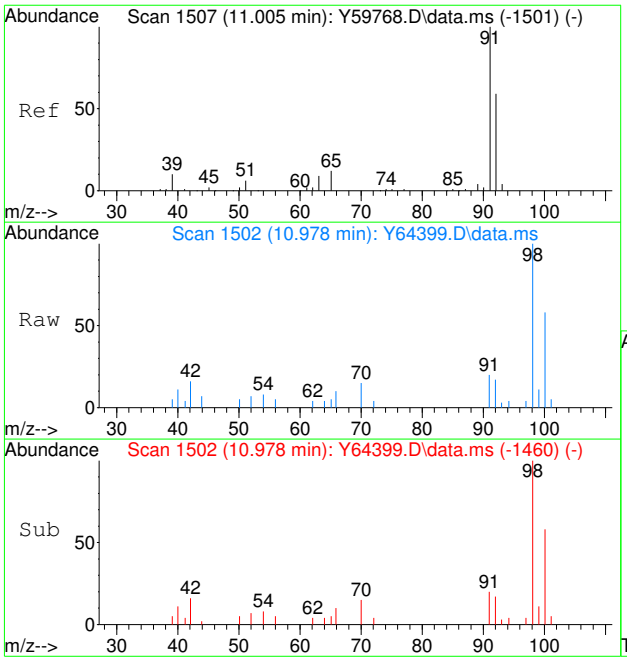


#47
Benzene
Concen: 44.63 ug/L
RT: 9.062 min Scan# 1187
Delta R.T. 0.003 min
Lab File: Y64399.D
Acq: 1 Sep 2022 7:51 pm

Tgt Ion: 78 Resp: 551616

Ion	Ratio	Lower	Upper
78	100		
51	15.7	0.0	46.9
77	23.7	0.0	54.4
52	15.1	0.0	47.3

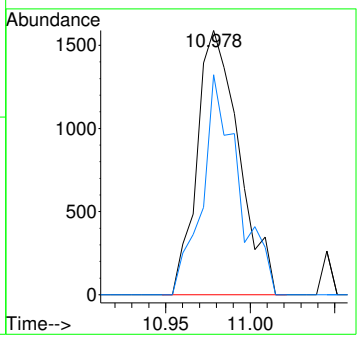




#64
Toluene
Concen: 0.20 ug/L
RT: 10.978 min Scan# 1502
Delta R.T. 0.003 min
Lab File: Y64399.D
Acq: 1 Sep 2022 7:51 pm

Tgt Ion: 91 Resp: 2733

Ion	Ratio	Lower	Upper
91	100		
92	83.2	28.6	88.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64390.D
Acq On : 1 Sep 2022 4:08 pm
Operator : joannel
Sample : FA98455-2
Misc : MS52308,VY2669,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 02 02:18:02 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

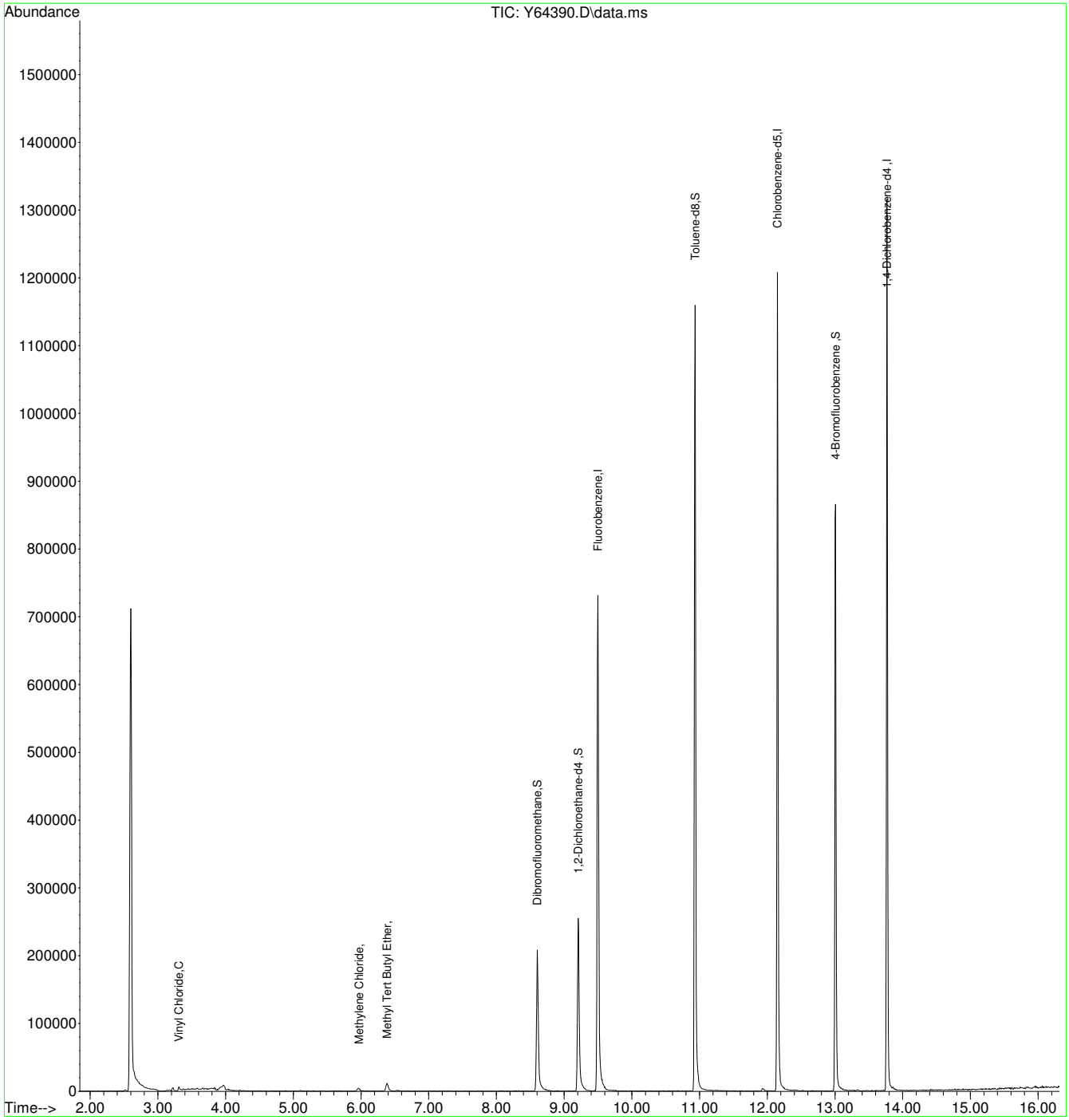
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		9.499	96	600002	50.00	ug/L	0.00
62) Chlorobenzene-d5		12.151	117	508096	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		13.769	152	242121	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		8.605	113	130041	48.37	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	96.74%		
49) 1,2-Dichloroethane-d4		9.207	65	164760	50.18	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	100.36%		
63) Toluene-d8		10.935	98	621960	49.49	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	98.98%		
86) 4-Bromofluorobenzene		13.009	174	172711	46.99	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	93.98%		
Target Compounds							Qvalue
6) Vinyl Chloride		3.312	62	4772	1.14	ug/L	88
18) Methylene Chloride		5.970	49	3519	0.72	ug/L	86
23) Methyl Tert Butyl Ether		6.384	73	14094	1.50	ug/L	86

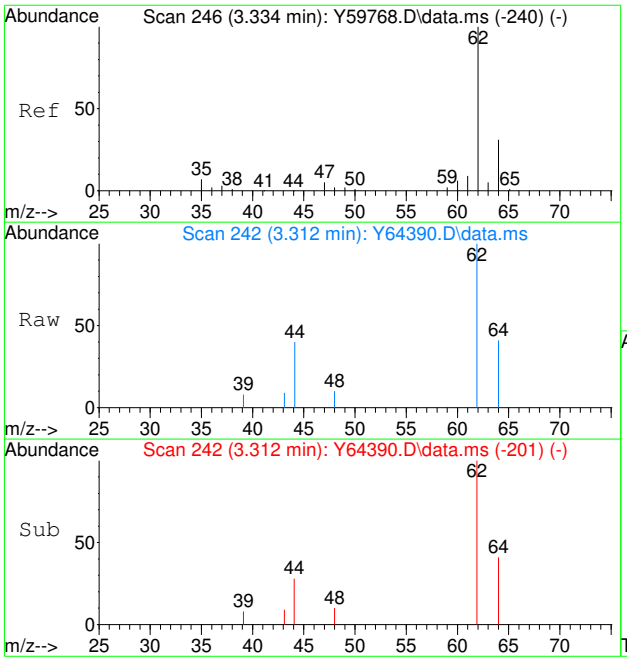
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64390.D
Acq On : 1 Sep 2022 4:08 pm
Operator : joannel
Sample : FA98455-2
Misc : MS52308,VY2669,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 02 02:18:02 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

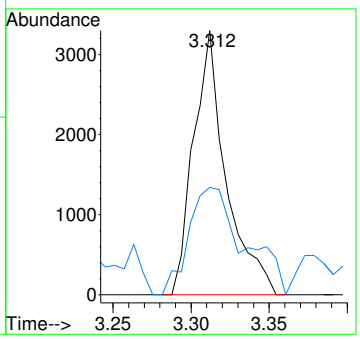


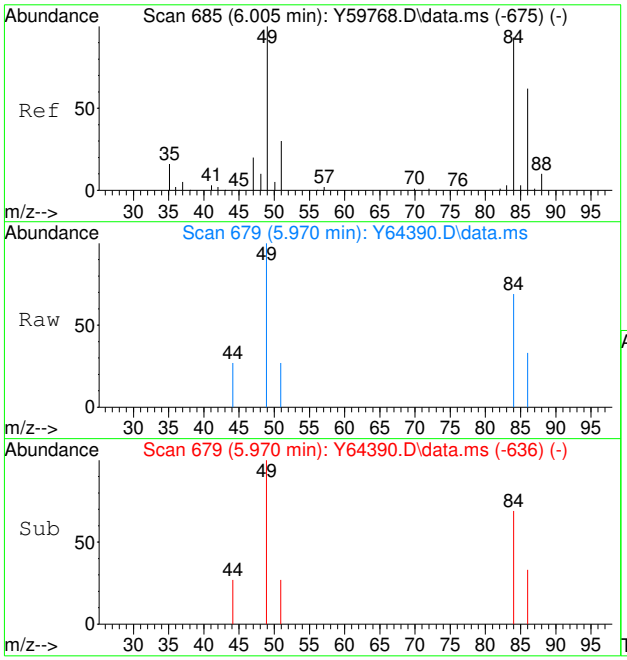


#6
Vinyl Chloride
Concen: 1.14 ug/L
RT: 3.312 min Scan# 242
Delta R.T. 0.002 min
Lab File: Y64390.D
Acq: 1 Sep 2022 4:08 pm

Tgt Ion: 62 Resp: 4772

Ion	Ratio	Lower	Upper
62	100		
64	40.7	3.7	63.7

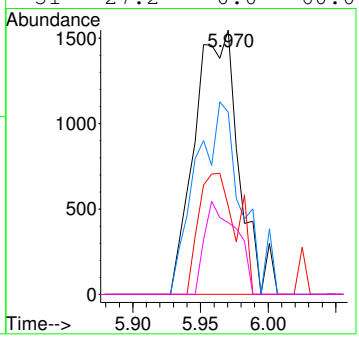


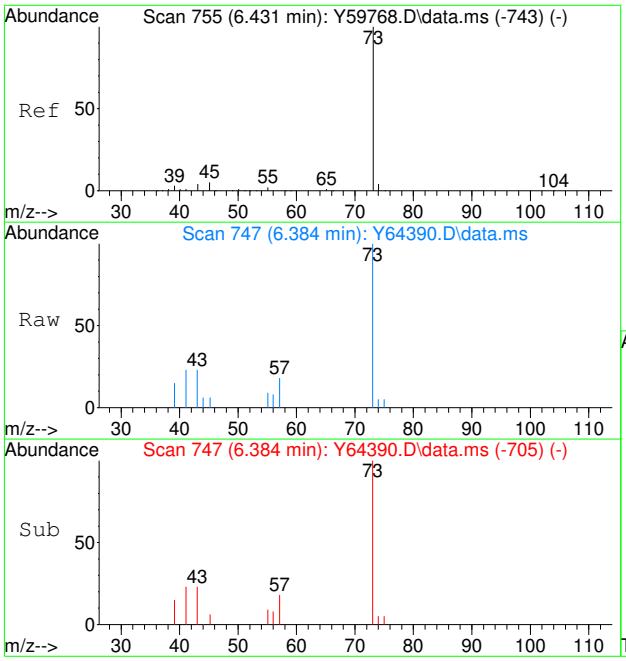


#18
Methylene Chloride
Concen: 0.72 ug/L
RT: 5.970 min Scan# 679
Delta R.T. 0.014 min
Lab File: Y64390.D
Acq: 1 Sep 2022 4:08 pm

Tgt Ion: 49 Resp: 3519

Ion	Ratio	Lower	Upper
49	100		
84	68.9	48.1	108.1
86	33.5	21.4	81.4
51	27.2	0.0	60.0

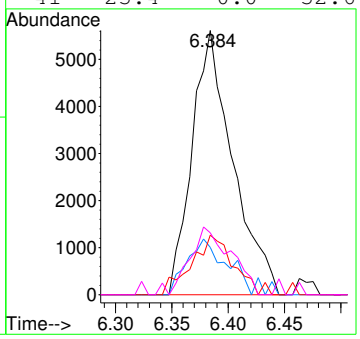




#23
Methyl Tert Butyl Ether
Concen: 1.50 ug/L
RT: 6.384 min Scan# 747
Delta R.T. 0.008 min
Lab File: Y64390.D
Acq: 1 Sep 2022 4:08 pm

Tgt Ion: 73 Resp: 14094

Ion	Ratio	Lower	Upper
73	100		
57	18.0	0.0	46.6
43	22.6	0.0	44.8
41	23.4	0.0	32.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64391.D
Acq On : 1 Sep 2022 4:33 pm
Operator : joannel
Sample : FA98455-3
Misc : MS52308,VY2669,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 02 02:18:37 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

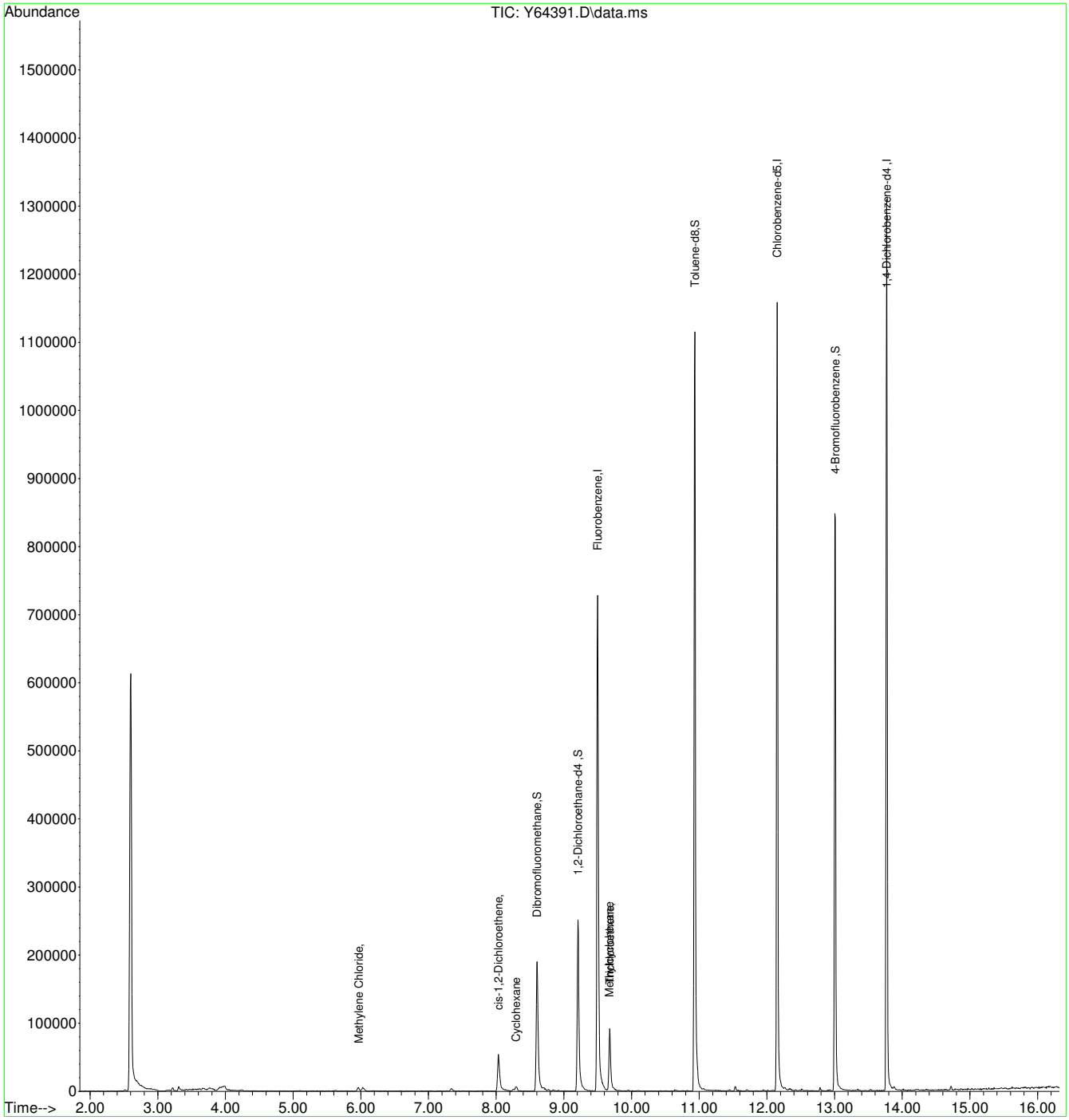
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.500	96	590579	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.152	117	493306	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.770	152	237588	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.605	113	123062	46.51	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.02%			
49) 1,2-Dichloroethane-d4	9.208	65	161961	50.11	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.22%			
63) Toluene-d8	10.935	98	617635	50.62	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.24%			
86) 4-Bromofluorobenzene	13.010	174	169786	47.07	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.14%			
Target Compounds						Qvalue
18) Methylene Chloride	5.971	49	3158	0.66	ug/L	88
32) cis-1,2-Dichloroethene	8.033	96	30642	9.21	ug/L	93
35) Cyclohexane	8.295	56	3120	0.54	ug/L #	77
53) Trichloroethene	9.676	95	31582	9.65	ug/L	82
54) Methylcyclohexane	9.670	83	2064	0.36	ug/L #	40

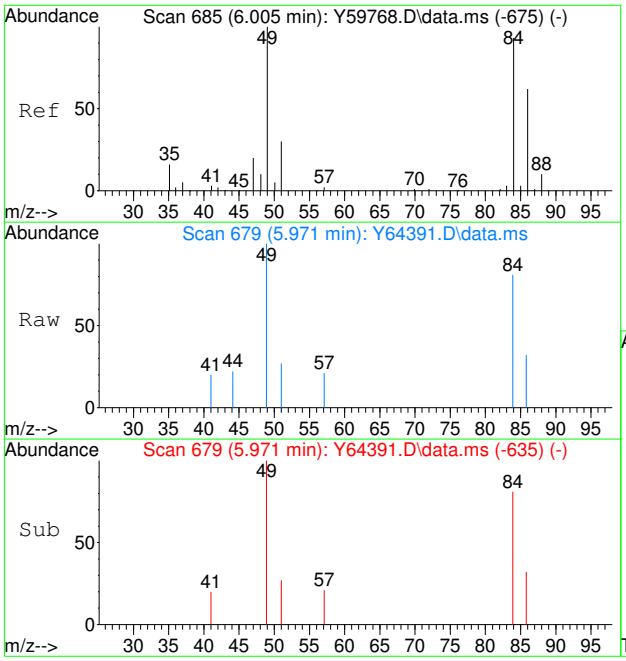
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64391.D
Acq On : 1 Sep 2022 4:33 pm
Operator : joannel
Sample : FA98455-3
Misc : MS52308,VY2669,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 02 02:18:37 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

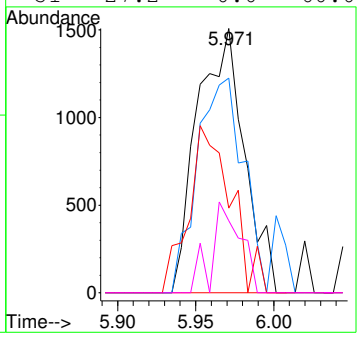


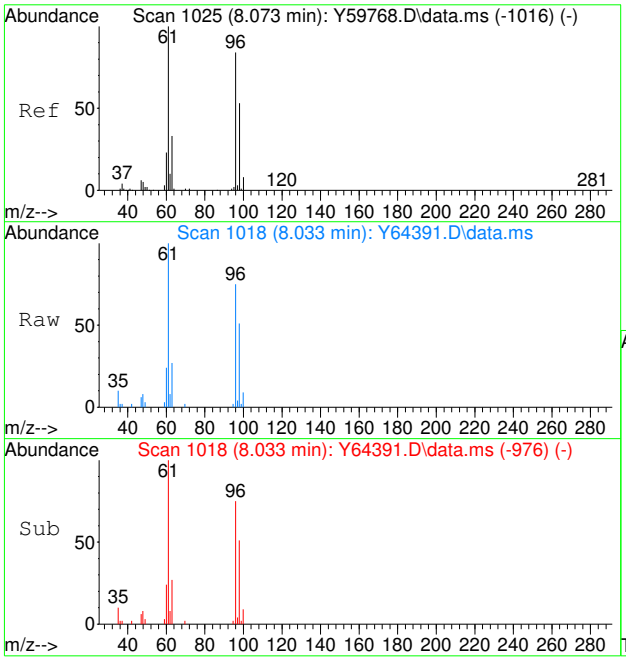


#18
Methylene Chloride
Concen: 0.66 ug/L
RT: 5.971 min Scan# 679
Delta R.T. 0.015 min
Lab File: Y64391.D
Acq: 1 Sep 2022 4:33 pm

Tgt Ion: 49 Resp: 3158

Ion	Ratio	Lower	Upper
49	100		
84	81.2	48.1	108.1
86	32.1	21.4	81.4
51	27.2	0.0	60.0

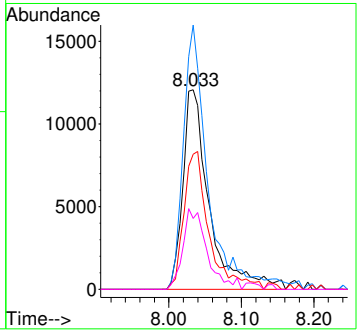


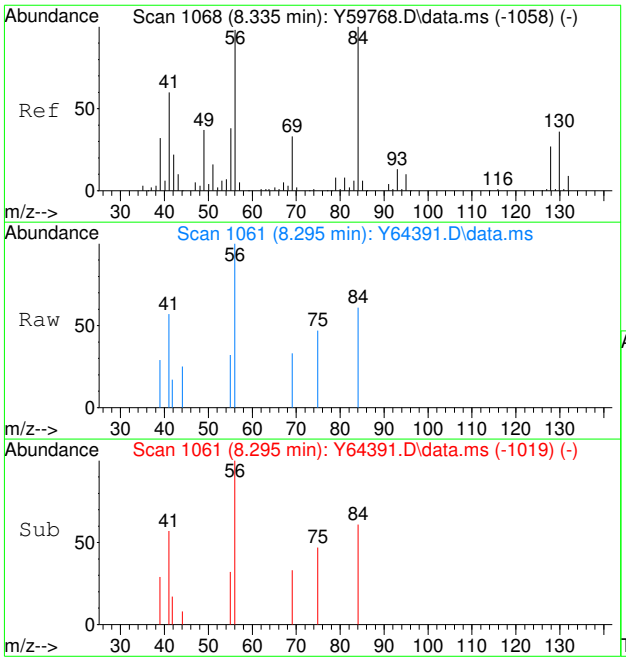


#32
cis-1,2-Dichloroethene
Concen: 9.21 ug/L
RT: 8.033 min Scan# 1018
Delta R.T. 0.003 min
Lab File: Y64391.D
Acq: 1 Sep 2022 4:33 pm

Tgt Ion: 96 Resp: 30642

Ion	Ratio	Lower	Upper
96	100		
61	132.6	91.8	151.8
98	67.7	34.7	94.7
63	35.5	7.7	67.7

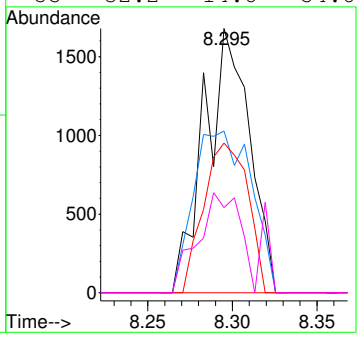


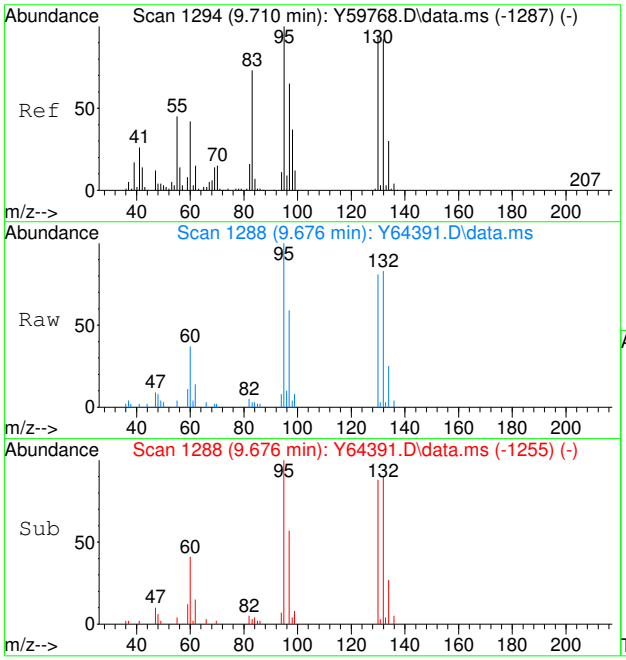


#35
Cyclohexane
Concen: 0.54 ug/L
RT: 8.295 min Scan# 1061
Delta R.T. 0.003 min
Lab File: Y64391.D
Acq: 1 Sep 2022 4:33 pm

Tgt Ion: 56 Resp: 3120

Ion	Ratio	Lower	Upper
56	100		
84	61.2	68.6	108.6#
41	73.5	34.8	74.8
55	32.2	14.8	54.8

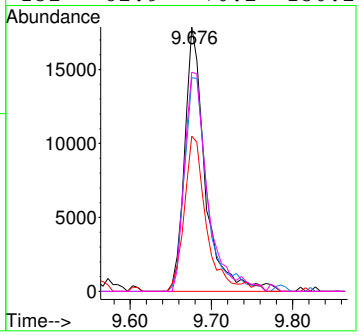


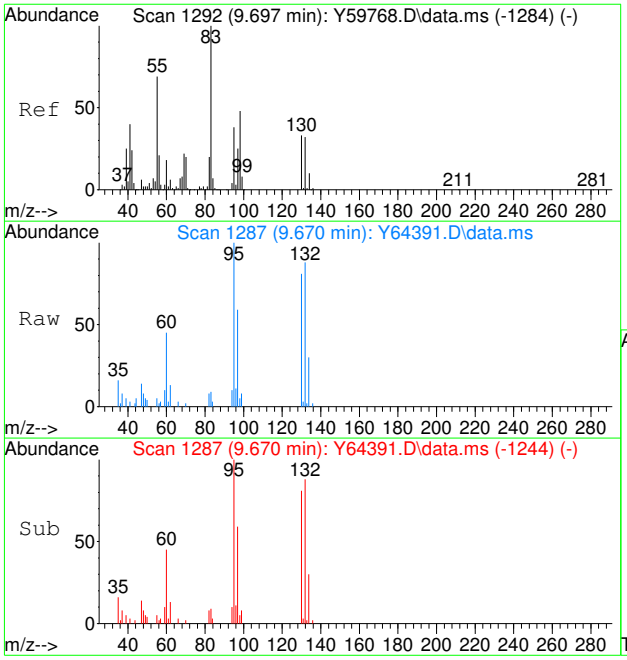


#53
Trichloroethene
Concen: 9.65 ug/L
RT: 9.676 min Scan# 1288
Delta R.T. 0.003 min
Lab File: Y64391.D
Acq: 1 Sep 2022 4:33 pm

Tgt Ion: 95 Resp: 31582

Ion	Ratio	Lower	Upper
95	100		
130	80.8	72.8	132.8
97	58.8	38.2	98.2
132	82.9	70.2	130.2

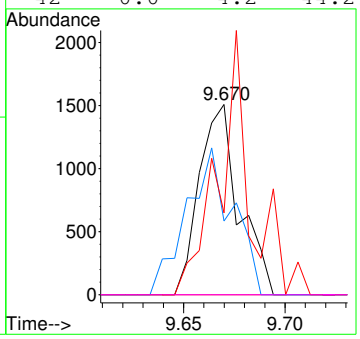




#54
Methylcyclohexane
Concen: 0.36 ug/L
RT: 9.670 min Scan# 1287
Delta R.T. 0.009 min
Lab File: Y64391.D
Acq: 1 Sep 2022 4:33 pm

Tgt Ion: 83 Resp: 2064

Ion	Ratio	Lower	Upper
83	100		
55	38.8	56.4	96.4#
98	108.9	28.0	68.0#
42	0.0	4.2	44.2#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64392.D
Acq On : 1 Sep 2022 4:58 pm
Operator : joannel
Sample : FA98455-4
Misc : MS52308,VY2669,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 02 02:19:26 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

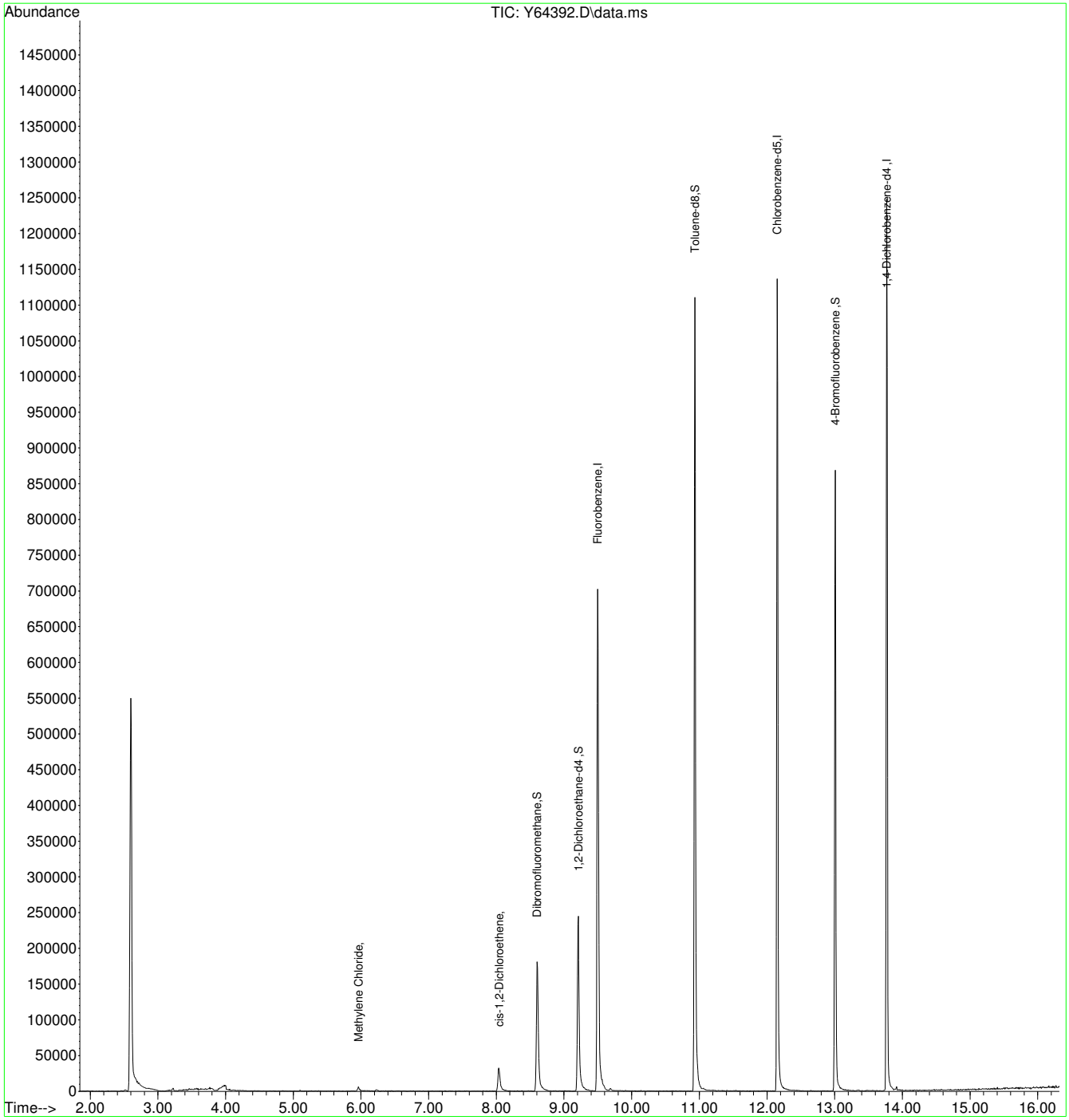
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	565993	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	482850	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	224717	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	117707	46.42	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.84%			
49) 1,2-Dichloroethane-d4	9.211	65	159724	51.57	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.14%			
63) Toluene-d8	10.933	98	595983	49.90	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.80%			
86) 4-Bromofluorobenzene	13.007	174	162047	47.50	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.00%			
Target Compounds						Qvalue
18) Methylene Chloride	5.963	49	3662	0.80	ug/L	# 78
32) cis-1,2-Dichloroethene	8.043	96	18257	5.72	ug/L	93

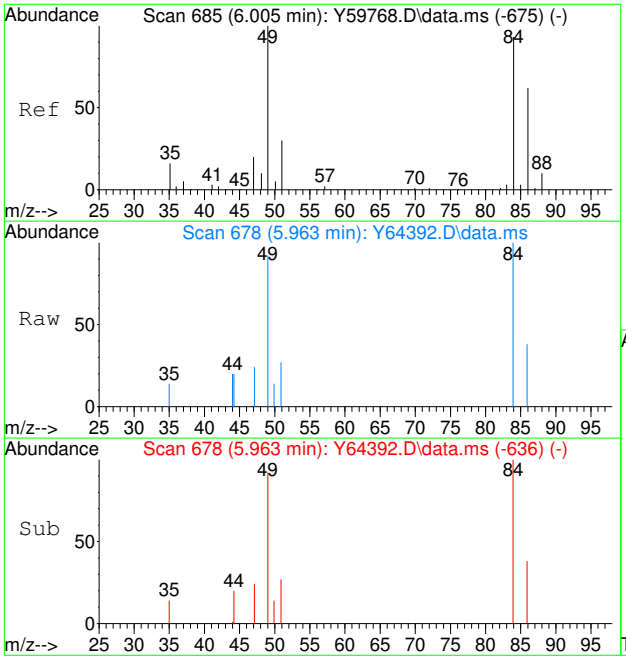
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64392.D
Acq On : 1 Sep 2022 4:58 pm
Operator : joannel
Sample : FA98455-4
Misc : MS52308,VY2669,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 02 02:19:26 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

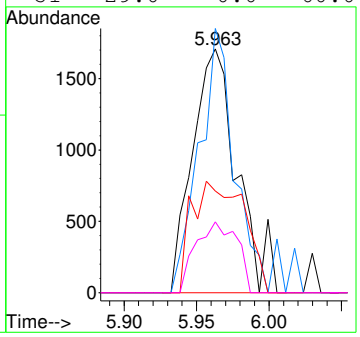


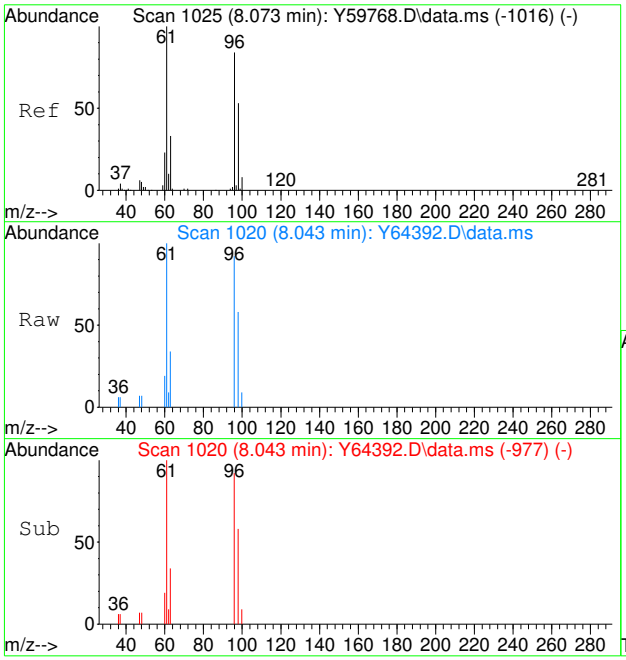


#18
Methylene Chloride
Concen: 0.80 ug/L
RT: 5.963 min Scan# 678
Delta R.T. 0.007 min
Lab File: Y64392.D
Acq: 1 Sep 2022 4:58 pm

Tgt Ion: 49 Resp: 3662

Ion	Ratio	Lower	Upper
49	100		
84	108.4	48.1	108.1#
86	41.7	21.4	81.4
51	29.0	0.0	60.0

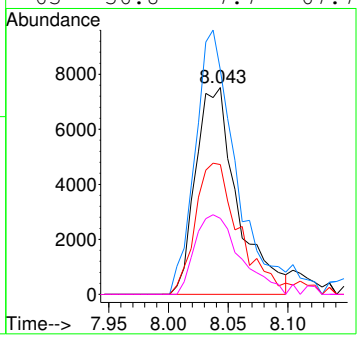




#32
cis-1,2-Dichloroethene
Concen: 5.72 ug/L
RT: 8.043 min Scan# 1020
Delta R.T. 0.013 min
Lab File: Y64392.D
Acq: 1 Sep 2022 4:58 pm

Tgt Ion: 96 Resp: 18257

Ion	Ratio	Lower	Upper
96	100		
61	108.4	91.8	151.8
98	62.7	34.7	94.7
63	36.8	7.7	67.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64393.D
Acq On : 1 Sep 2022 5:23 pm
Operator : joannel
Sample : FA98455-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 02 02:19:48 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

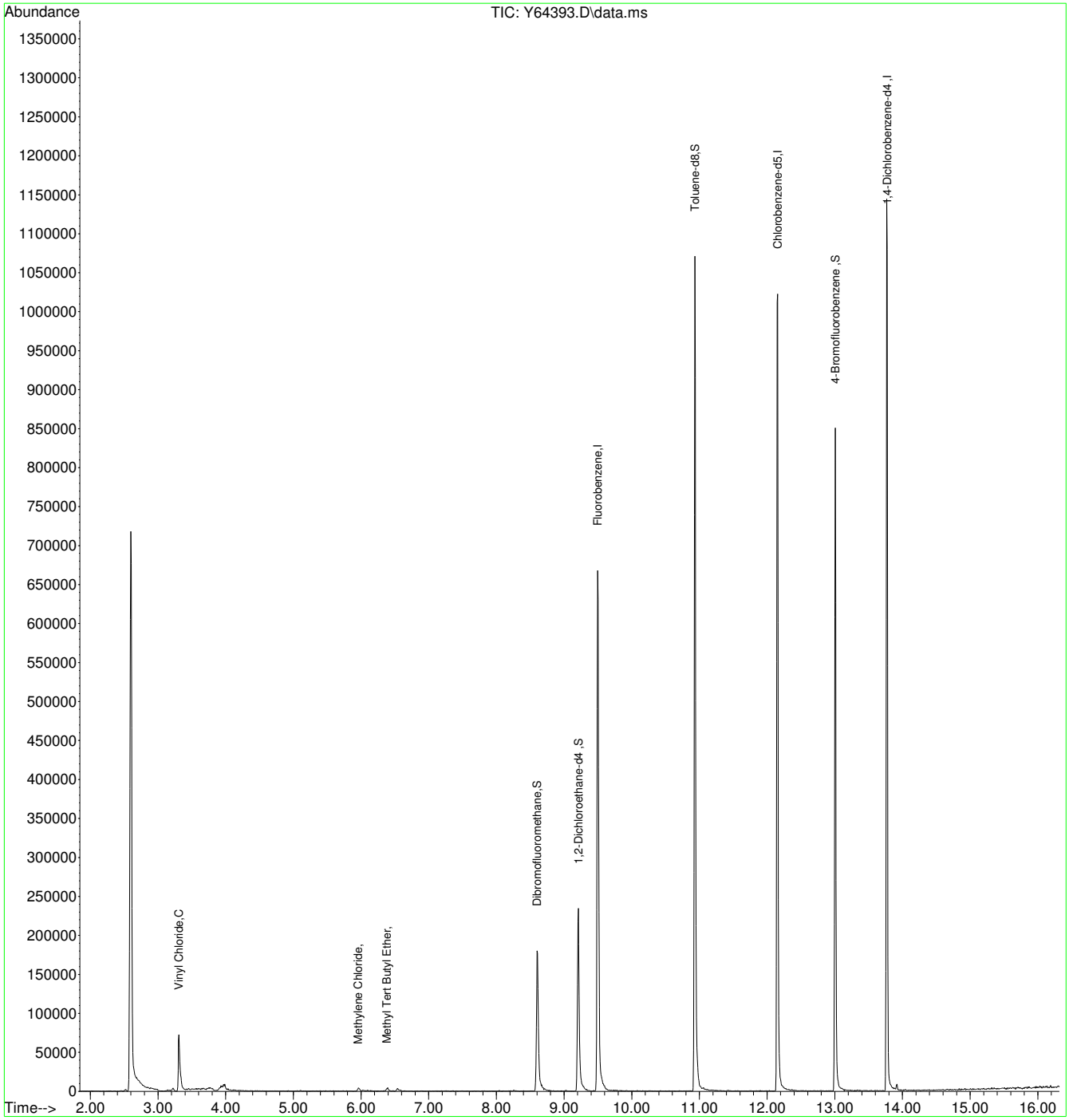
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.496	96	551645	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.155	117	468515	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.773	152	218543	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	115066	46.55	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.10%			
49) 1,2-Dichloroethane-d4	9.210	65	150514	49.86	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.72%			
63) Toluene-d8	10.932	98	573581	49.50	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.00%			
86) 4-Bromofluorobenzene	13.006	174	153725	46.33	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.66%			
Target Compounds						Qvalue
6) Vinyl Chloride	3.309	62	78919	20.55	ug/L	100
18) Methylene Chloride	5.956	49	3096	0.69	ug/L	81
23) Methyl Tert Butyl Ether	6.382	73	4272	0.49	ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

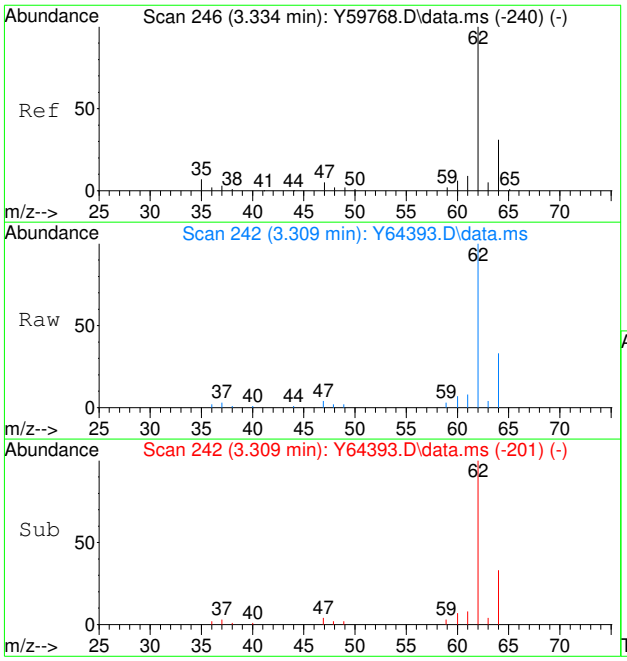
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64393.D
Acq On : 1 Sep 2022 5:23 pm
Operator : joannel
Sample : FA98455-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 02 02:19:48 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



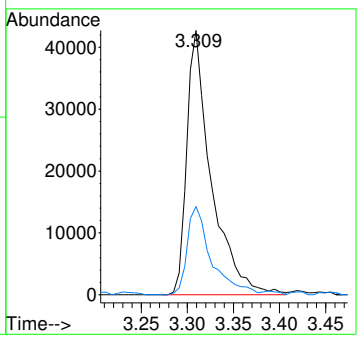
APPIX_08-29-2022_Y.M Fri Sep 02 02:35:52 2022 Page: 2

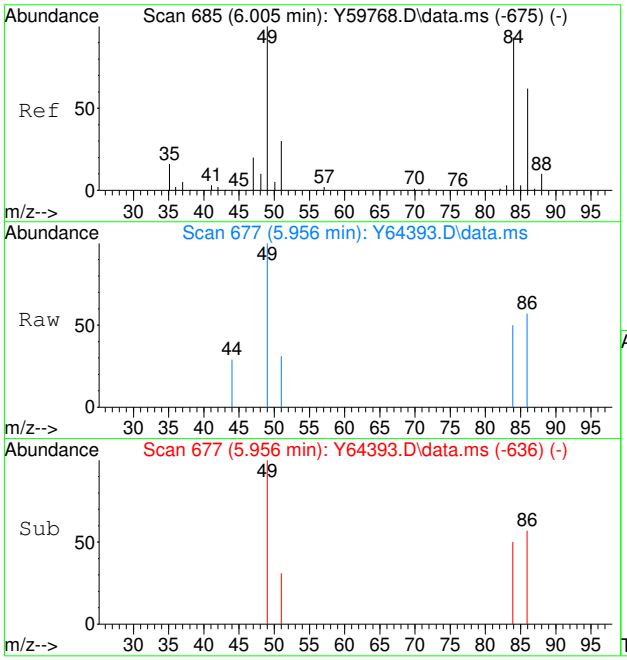


#6
Vinyl Chloride
Concen: 20.55 ug/L
RT: 3.309 min Scan# 242
Delta R.T. -0.001 min
Lab File: Y64393.D
Acq: 1 Sep 2022 5:23 pm

Tgt Ion: 62 Resp: 78919

Ion	Ratio	Lower	Upper
62	100		
64	33.4	3.7	63.7

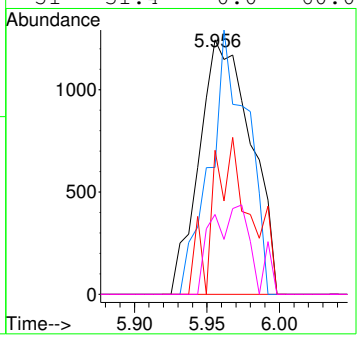


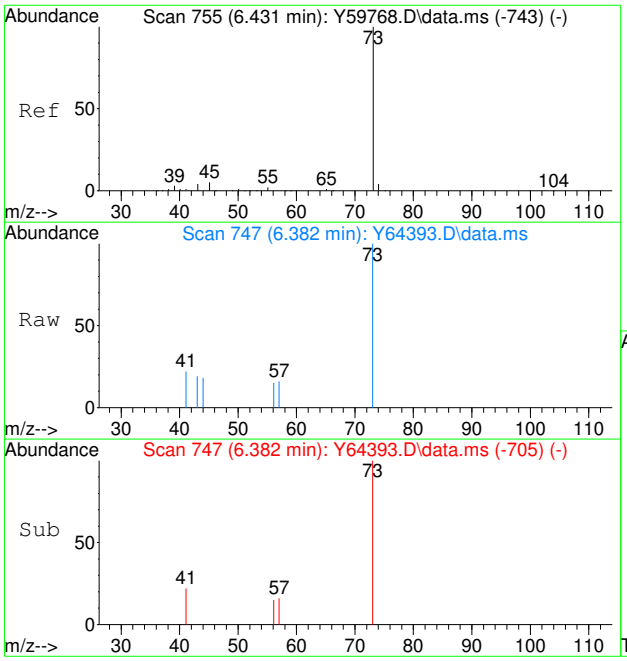


#18
Methylene Chloride
Concen: 0.69 ug/L
RT: 5.956 min Scan# 677
Delta R.T. -0.000 min
Lab File: Y64393.D
Acq: 1 Sep 2022 5:23 pm

Tgt Ion: 49 Resp: 3096

Ion	Ratio	Lower	Upper
49	100		
84	50.0	48.1	108.1
86	56.6	21.4	81.4
51	31.4	0.0	60.0

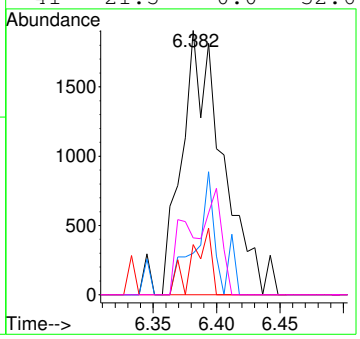




#23
Methyl Tert Butyl Ether
Concen: 0.49 ug/L
RT: 6.382 min Scan# 747
Delta R.T. 0.006 min
Lab File: Y64393.D
Acq: 1 Sep 2022 5:23 pm

Tgt Ion: 73 Resp: 4272

Ion	Ratio	Lower	Upper
73	100		
57	15.7	0.0	46.6
43	19.0	0.0	44.8
41	21.5	0.0	32.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64394.D
Acq On : 1 Sep 2022 5:48 pm
Operator : joannel
Sample : FA98455-6
Misc : MS52308,VY2669,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 02 02:20:08 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

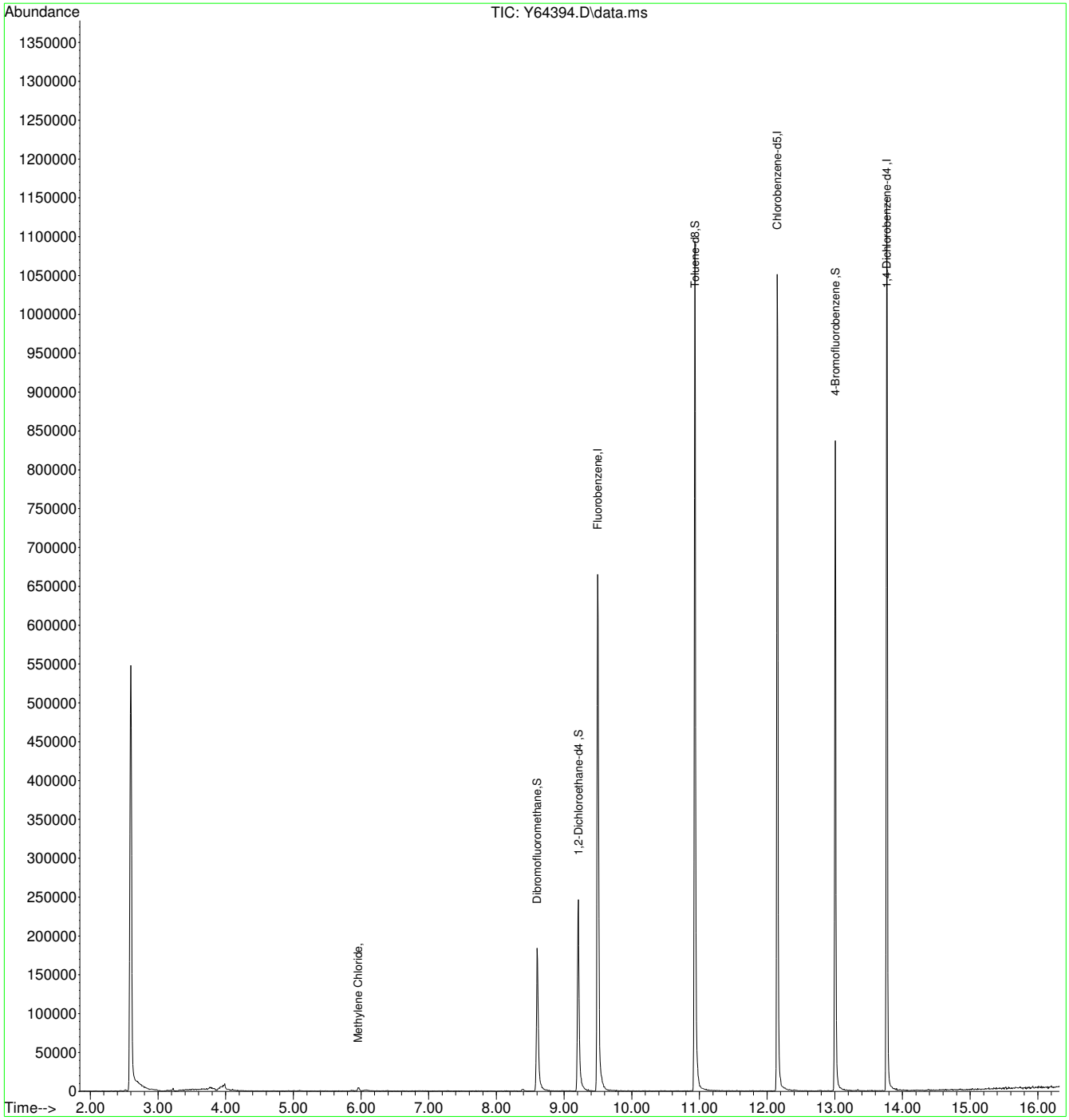
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.496	96	544703	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	466071	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	213835	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	118248	48.45	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.90%			
49) 1,2-Dichloroethane-d4	9.211	65	152598	51.19	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.38%			
63) Toluene-d8	10.932	98	566781	49.17	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.34%			
86) 4-Bromofluorobenzene	13.007	174	155187	47.80	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.60%			
Target Compounds						Qvalue
18) Methylene Chloride	5.956	49	2968	0.67	ug/L	82

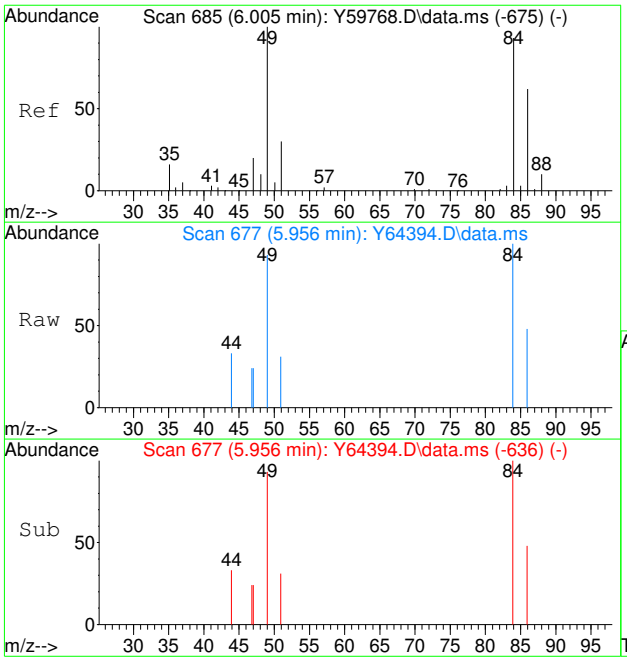
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64394.D
Acq On : 1 Sep 2022 5:48 pm
Operator : joannel
Sample : FA98455-6
Misc : MS52308,VY2669,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 02 02:20:08 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

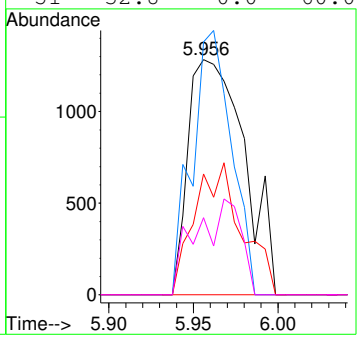




#18
Methylene Chloride
Concen: 0.67 ug/L
RT: 5.956 min Scan# 677
Delta R.T. -0.000 min
Lab File: Y64394.D
Acq: 1 Sep 2022 5:48 pm

Tgt Ion: 49 Resp: 2968

Ion	Ratio	Lower	Upper
49	100		
84	107.6	48.1	108.1
86	51.4	21.4	81.4
51	32.8	0.0	60.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64383.D
Acq On : 1 Sep 2022 1:11 pm
Operator : joannel
Sample : FA98455-7
Misc : MS52308,VY2669,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 02 02:14:19 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

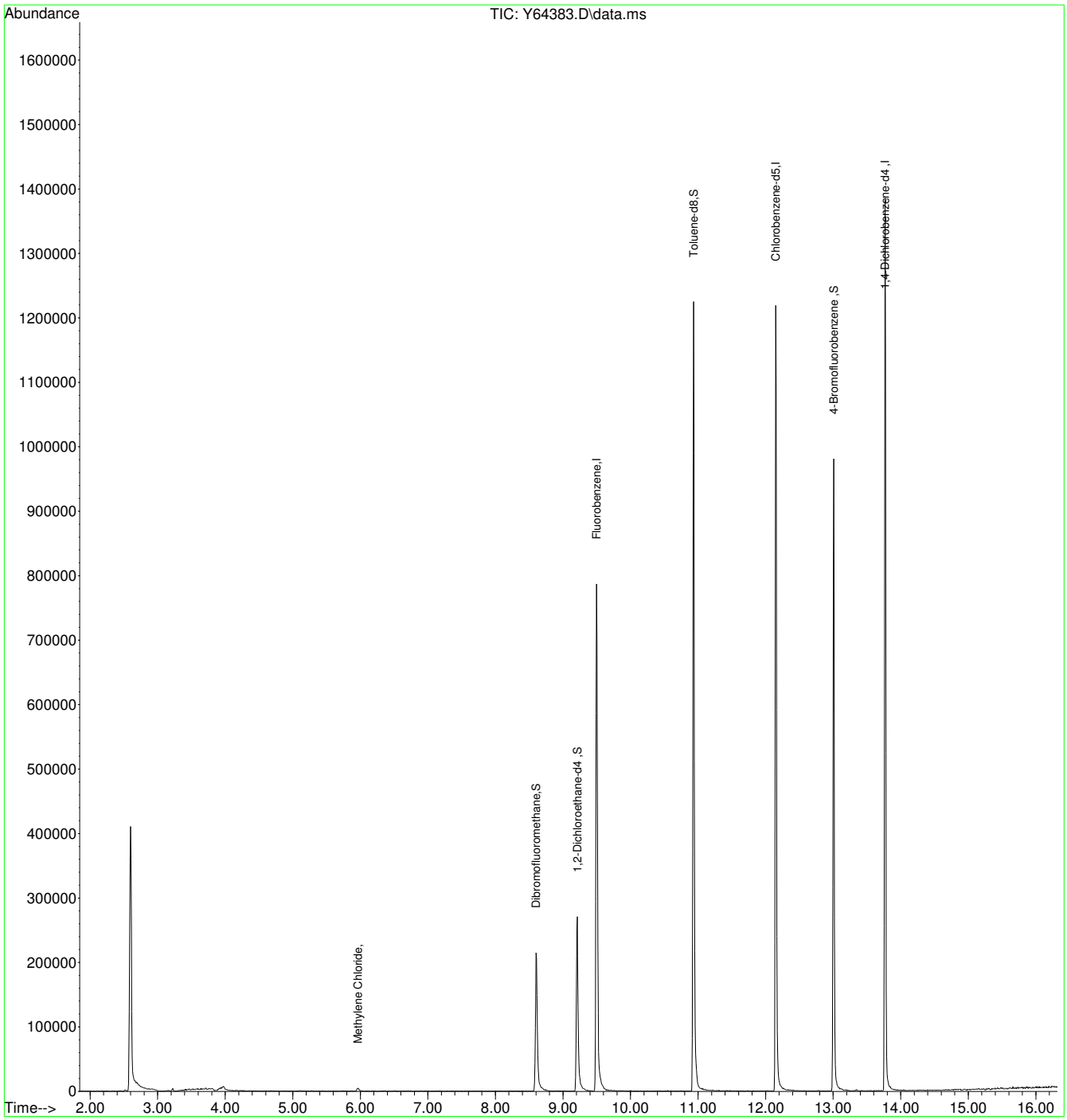
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	629552	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	543680	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	261082	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	137939	48.90	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.80%			
49) 1,2-Dichloroethane-d4	9.211	65	176539	51.24	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.48%			
63) Toluene-d8	10.933	98	660777	49.14	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.28%			
86) 4-Bromofluorobenzene	13.007	174	190452	48.05	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.10%			
Target Compounds						Qvalue
18) Methylene Chloride	5.963	49	4023	0.79	ug/L	95

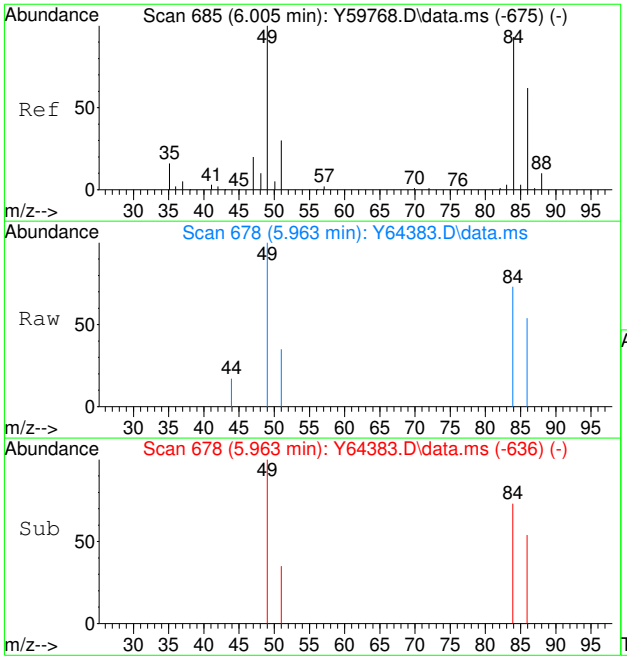
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64383.D
Acq On : 1 Sep 2022 1:11 pm
Operator : joannel
Sample : FA98455-7
Misc : MS52308,VY2669,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 02 02:14:19 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

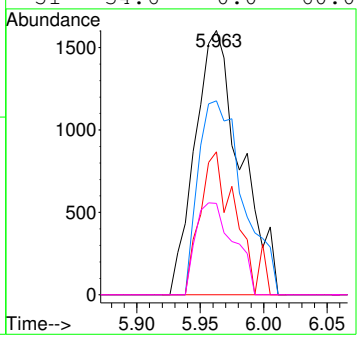




#18
Methylene Chloride
Concen: 0.79 ug/L
RT: 5.963 min Scan# 678
Delta R.T. 0.007 min
Lab File: Y64383.D
Acq: 1 Sep 2022 1:11 pm

Tgt Ion: 49 Resp: 4023

Ion	Ratio	Lower	Upper
49	100		
84	73.4	48.1	108.1
86	54.0	21.4	81.4
51	34.6	0.0	60.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64395.D
Acq On : 1 Sep 2022 6:13 pm
Operator : joannel
Sample : FA98455-8
Misc : MS52308,VY2669,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 02 02:20:26 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

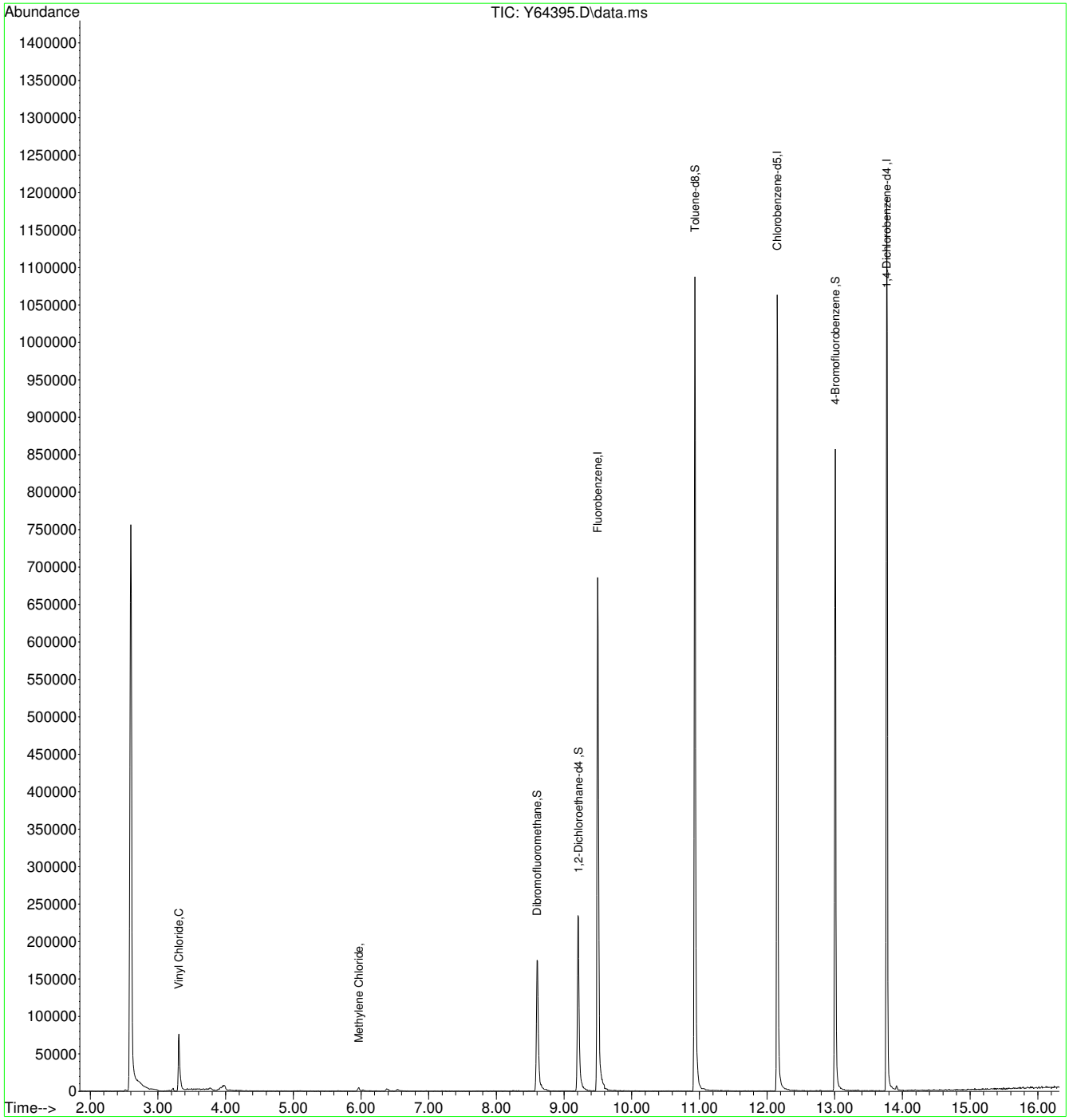
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	555181	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	462124	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	218856	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	116567	46.86	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.72%			
49) 1,2-Dichloroethane-d4	9.211	65	155577	51.20	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.40%			
63) Toluene-d8	10.933	98	579290	50.68	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.36%			
86) 4-Bromofluorobenzene	13.007	174	153447	46.18	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.36%			
Target Compounds						Qvalue
6) Vinyl Chloride	3.310	62	75460	19.52	ug/L	93
18) Methylene Chloride	5.968	49	3324	0.74	ug/L	81

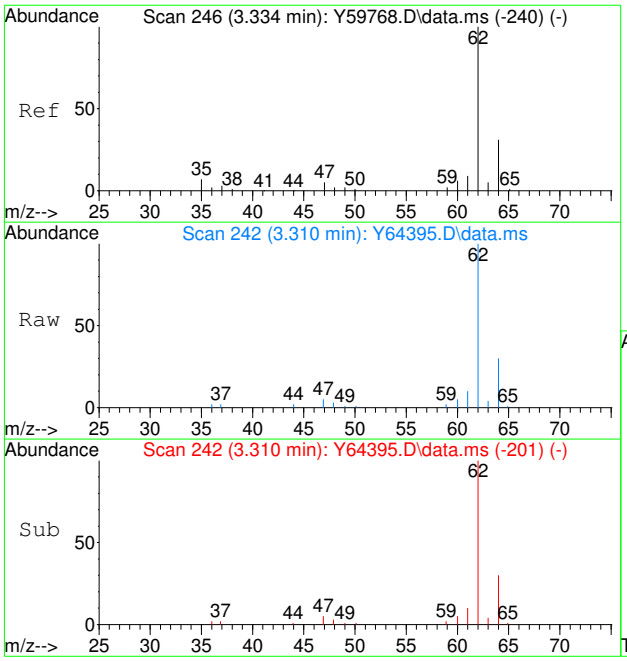
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64395.D
Acq On : 1 Sep 2022 6:13 pm
Operator : joannel
Sample : FA98455-8
Misc : MS52308,VY2669,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 02 02:20:26 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

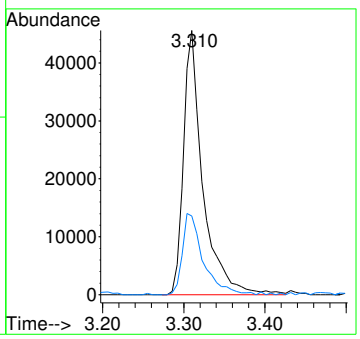


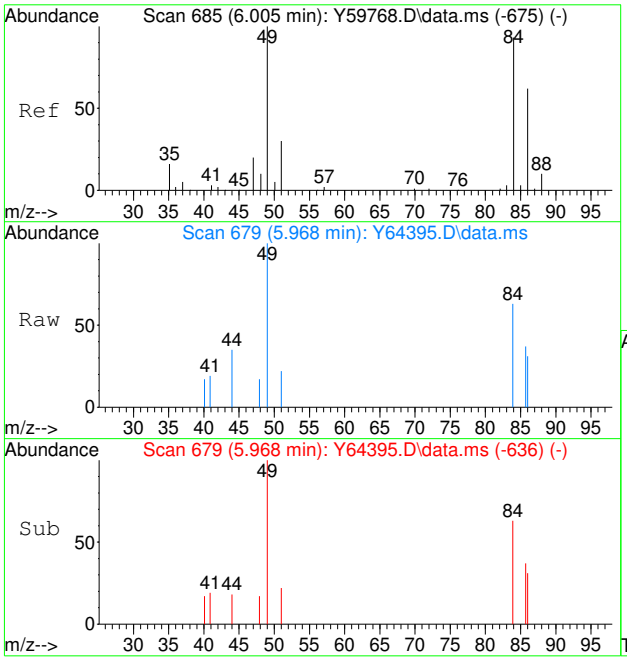


#6
Vinyl Chloride
Concen: 19.52 ug/L
RT: 3.310 min Scan# 242
Delta R.T. 0.000 min
Lab File: Y64395.D
Acq: 1 Sep 2022 6:13 pm

Tgt Ion: 62 Resp: 75460

Ion	Ratio	Lower	Upper
62	100		
64	29.8	3.7	63.7

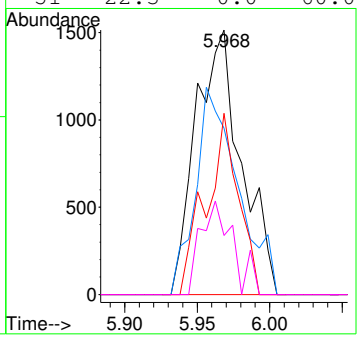




#18
Methylene Chloride
Concen: 0.74 ug/L
RT: 5.968 min Scan# 679
Delta R.T. 0.012 min
Lab File: Y64395.D
Acq: 1 Sep 2022 6:13 pm

Tgt Ion: 49 Resp: 3324

Ion	Ratio	Lower	Upper
49	100		
84	62.9	48.1	108.1
86	68.5	21.4	81.4
51	22.3	0.0	60.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64382.D
Acq On : 1 Sep 2022 12:46 pm
Operator : joannel
Sample : MB
Misc : MS52308,VY2669,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 02 02:13:58 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

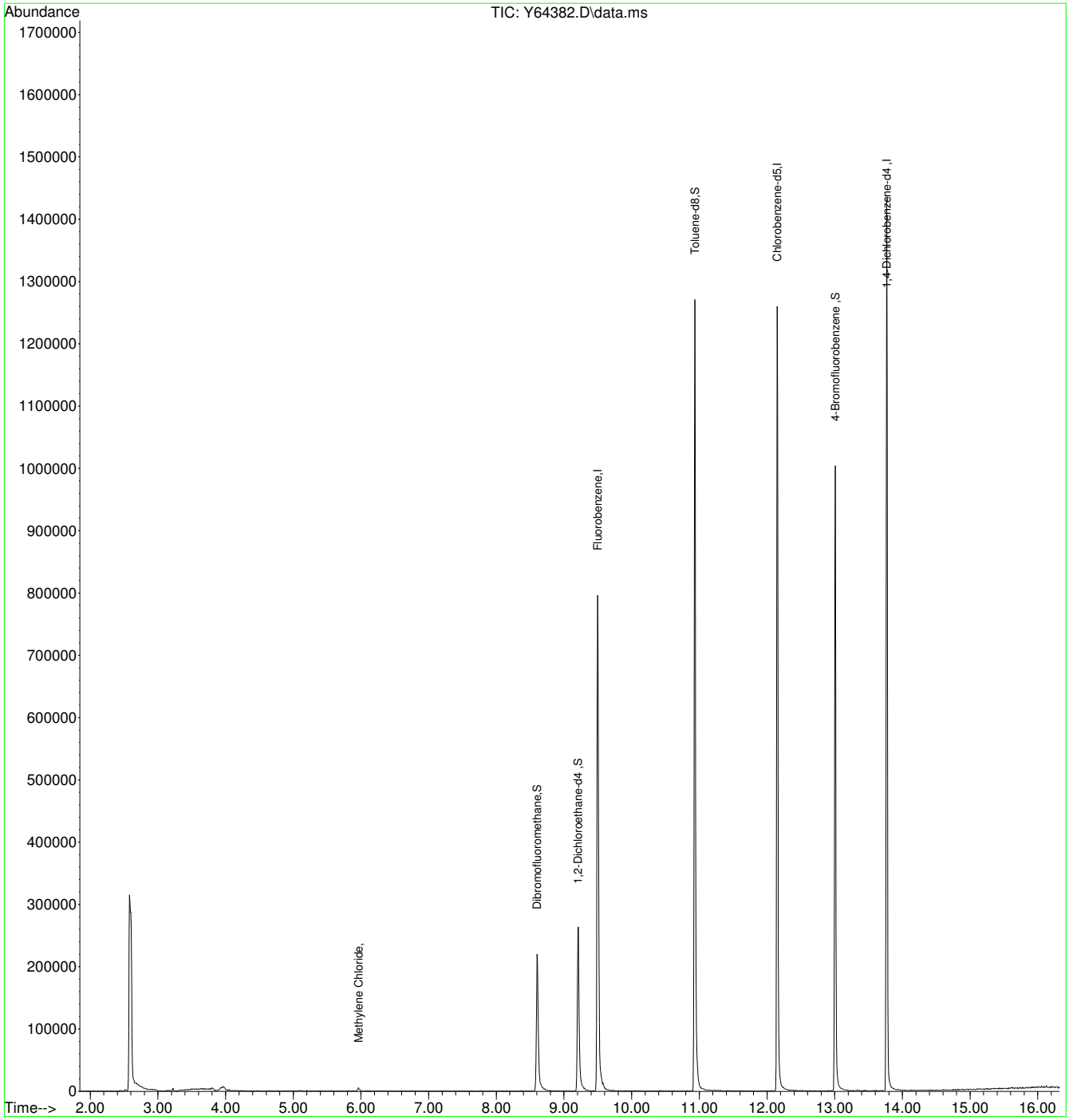
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	646981	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	553096	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	273700	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	137577	47.46	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.92%			
49) 1,2-Dichloroethane-d4	9.205	65	178447	50.40	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.80%			
63) Toluene-d8	10.933	98	668973	48.90	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.80%			
86) 4-Bromofluorobenzene	13.008	174	199533	48.02	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.04%			
Target Compounds						Qvalue
18) Methylene Chloride	5.963	49	3476	0.66	ug/L	82

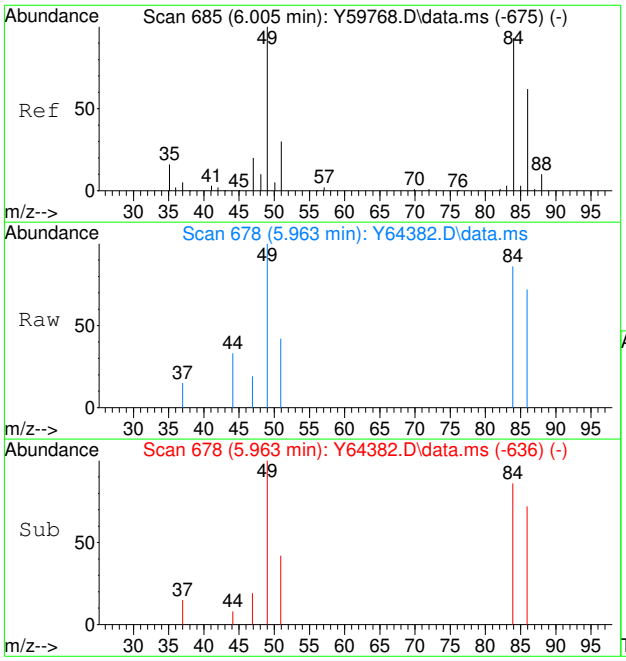
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64382.D
Acq On : 1 Sep 2022 12:46 pm
Operator : joannel
Sample : MB
Misc : MS52308,VY2669,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 02 02:13:58 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

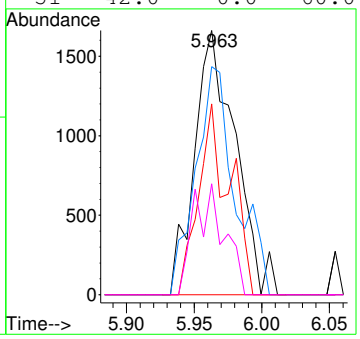




#18
Methylene Chloride
Concen: 0.66 ug/L
RT: 5.963 min Scan# 678
Delta R.T. 0.007 min
Lab File: Y64382.D
Acq: 1 Sep 2022 12:46 pm

Tgt Ion: 49 Resp: 3476

Ion	Ratio	Lower	Upper
49	100		
84	86.2	48.1	108.1
86	72.2	21.4	81.4
51	42.0	0.0	60.0



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 11:07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:52:32 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	727144	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	629425	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	338850	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	167106	51.29	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.58%			
49) 1,2-Dichloroethane-d4	9.205	65	196020	49.26	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.52%			
63) Toluene-d8	10.933	98	756970	48.62	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.24%			
86) 4-Bromofluorobenzene	13.007	174	251430	48.88	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.76%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	106311	25.77	ug/L	96
3) Acrolein	5.586	56	105870	106.79	ug/L	93
4) Chloromethane	3.177	50	121422	26.81	ug/L	90
5) 1,3-butadiene	3.341	39	132844	32.18	ug/L	97
6) Vinyl Chloride	3.310	62	130028	25.68	ug/L	92
7) Bromomethane	3.828	94	24293	25.50	ug/L	98
8) Chloroethane	4.022	64	48131	27.80	ug/L	94
9) Trichlorofluoromethane	4.241	101	153177	28.69	ug/L	97
10) Ethyl Ether	4.746	59	79365	23.97	ug/L	96
11) Ethanol	4.996	45	44271	507.03	ug/L	87
12) 1,2-Dichlorotrifluoroe...	5.038	67	107327	29.32	ug/L	97
13) 1,1-Dichloroethene	5.050	61	137023	27.64	ug/L	98
14) Freon 113	5.105	101	92351	26.80	ug/L	98
15) Carbon Disulfide	5.099	76	217875	23.11	ug/L	99
16) Iodomethane	5.275	142	20590	24.84	ug/L	93
17) Allyl chloride	5.793	41	135379	29.07	ug/L	96
18) Methylene Chloride	5.957	49	136986	23.21	ug/L	98
19) Acetone	6.042	43	281833	135.21	ug/L	97
20) Methyl acetate	6.231	43	605431	127.99	ug/L	99
21) trans-1,2-Dichloroethene	6.218	61	128694	26.03	ug/L	97
22) Hexane	6.334	56	80607m	30.25	ug/L	
23) Methyl Tert Butyl Ether	6.377	73	320108	28.12	ug/L	80
24) Tert Butyl Alcohol	6.535	59	308472	261.53	ug/L	99
25) Acetonitrile	6.784	41	226095	244.87	ug/L	99
26) Di-isopropyl ether	6.985	45	289483	23.93	ug/L	96
27) Chloroprene	7.173	53	130629	122.84	ug/L	97
28) 1,1-Dichloroethane	7.216	63	175139	27.23	ug/L	97
29) Acrylonitrile	7.301	53	286432	114.31	ug/L	100
30) ETBE	7.575	59	273905	22.72	ug/L	96
31) Vinyl acetate	7.599	43	1140738	119.11	ug/L	98
32) cis-1,2-Dichloroethene	8.031	96	105834	25.83	ug/L	97
33) 2,2-Dichloropropane	8.165	77	133229	24.98	ug/L	98
34) Bromochloromethane	8.287	128	42790	22.37	ug/L	98
35) Cyclohexane	8.293	56	195886	27.63	ug/L	98
36) Chloroform	8.378	83	162006	25.25	ug/L	98
37) Ethyl acetate	8.512	43	840526	115.32	ug/L	99
38) Tetrahydrofuran	8.585	42	72420	24.61	ug/L	98
40) Carbon Tetrachloride	8.554	117	114230	26.52	ug/L	93
41) 1,1,1-Trichloroethane	8.633	97	144658	25.78	ug/L	92
42) 2-Butanone	8.743	43	501770	129.22	ug/L	99
43) 1,1-Dichloropropene	8.779	75	136953	26.77	ug/L	96
44) tert-Butyl formate	8.895	59	353777	107.58	ug/L	96
45) Propionitrile	9.084	54	294534	249.47	ug/L	97
46) Methacrylonitrile	9.102	41	926347	241.42	ug/L	97
47) Benzene	9.059	78	419518	25.22	ug/L	98
48) TAME	9.169	73	376636	31.98	ug/L	98
50) Isobutyl Alcohol	9.272	42	164557	517.28	ug/L	97
51) 1,2-Dichloroethane	9.278	62	125879	23.99	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:52:32 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

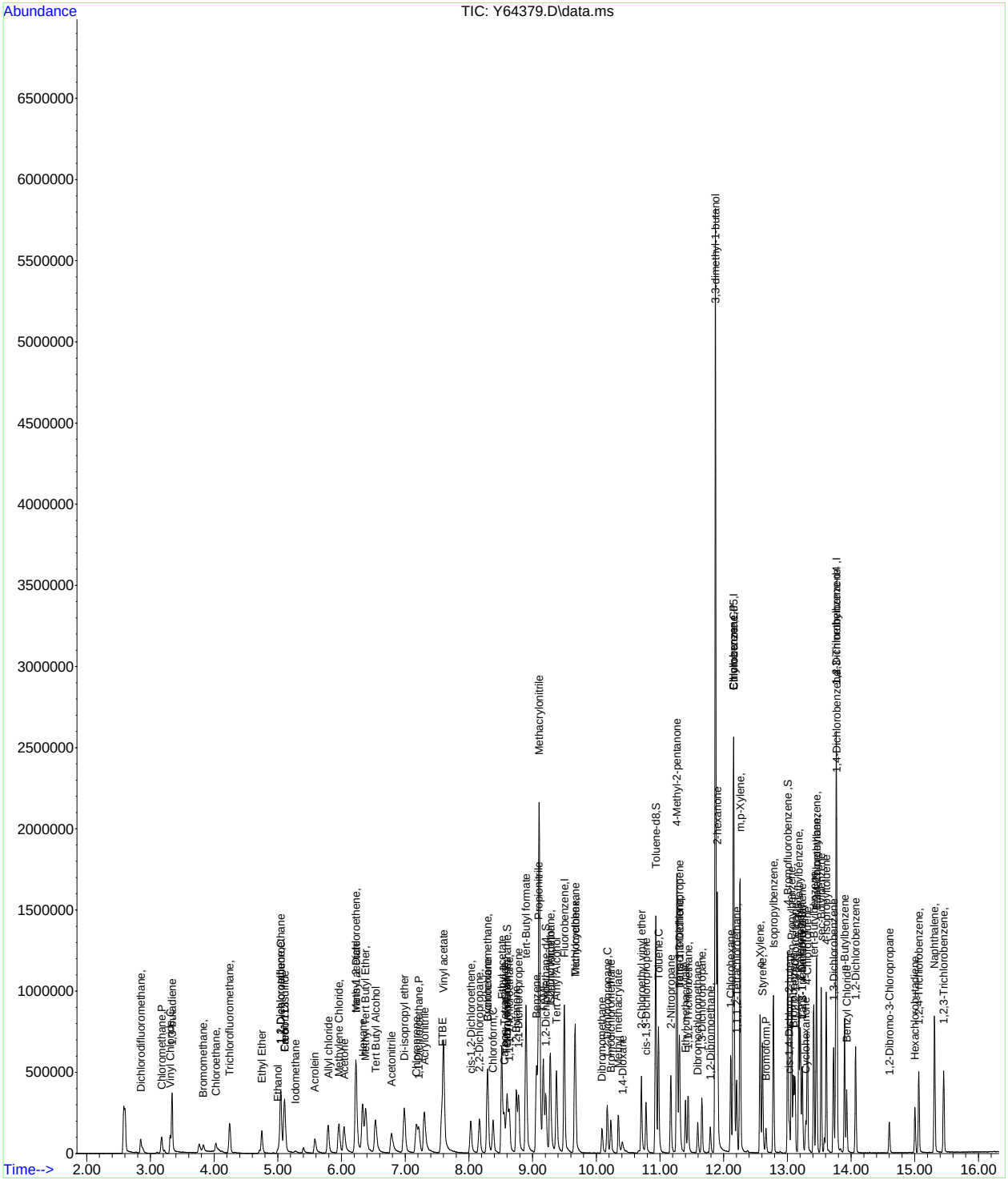
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	9.376	59	263588m	262.61	ug/L		
53) Trichloroethene	9.674	95	106814	26.51	ug/L		95
54) Methylcyclohexane	9.662	83	204712	29.09	ug/L		96
55) Dibromomethane	10.087	93	53996	23.74	ug/L		92
56) 1,2-Dichloropropane	10.173	63	93478	23.42	ug/L		100
57) Bromodichloromethane	10.227	83	108816	25.56	ug/L		99
58) Methyl methacrylate	10.343	41	107564	24.16	ug/L		98
59) 1,4-Dioxane	10.410	88	53078	609.35	ug/L		98
60) 2-Chloroethyl vinyl ether	10.708	63	163273	144.96	ug/L		99
61) cis-1,3-Dichloropropene	10.781	75	140205	24.87	ug/L		97
64) Toluene	10.976	91	447051	23.23	ug/L		99
65) 2-Nitropropane	11.170	41	219886	115.01	ug/L		99
66) 4-Methyl-2-pentanone	11.262	43	925145	121.16	ug/L		99
67) trans-1,3-Dichloropropene	11.310	75	132492	25.31	ug/L		85
68) Tetrachloroethene	11.304	166	112585	24.21	ug/L		97
69) Ethyl methacrylate	11.401	69	139255	22.24	ug/L		98
70) 1,1,2-Trichloroethane	11.438	83	74738	22.33	ug/L		99
71) Dibromochloromethane	11.590	129	78973	21.98	ug/L		99
72) 1,3-Dichloropropane	11.657	76	157005	21.49	ug/L		97
73) 1,2-Dibromoethane	11.791	107	93370	22.59	ug/L		99
74) 3,3-dimethyl-1-butanol	11.870	57	1795277m	1125.13	ug/L		
75) 2-hexanone	11.900	43	737572	135.91	ug/L		100
76) 1-Chlorohexane	12.113	91	152462	26.33	ug/L		95
77) Ethylbenzene	12.156	91	498639	23.52	ug/L		99
78) Chlorobenzene	12.162	112	271336	22.96	ug/L		98
79) 1,1,1,2-Tetrachloroethane	12.204	131	85346	22.75	ug/L		97
80) m,p-Xylene	12.259	91	772291	47.14	ug/L		99
81) o-Xylene	12.569	91	377150	23.99	ug/L		99
82) Styrene	12.606	104	270635	23.61	ug/L		97
83) Bromoform	12.661	173	52689	22.39	ug/L		94
84) Isopropylbenzene	12.782	105	487261	24.37	ug/L		98
87) cis-1,4-Dichloro-2-butene	13.032	53	27188	13.83	ug/L		92
88) n-Propylbenzene	13.062	91	590967	23.76	ug/L		95
89) Bromobenzene	13.099	156	103944	20.95	ug/L		97
90) 1,1,2,2-Tetrachloroethane	13.117	83	151217	21.86	ug/L		98
91) 1,3,5-Trimethylbenzene	13.178	105	390491	22.98	ug/L		97
92) 2-Chlorotoluene	13.202	91	359005	22.23	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.239	53	25324	13.87	ug/L	#	41
94) 1,2,3-Trichloropropane	13.233	110	46853	20.15	ug/L		92
95) Cyclohexanone	13.287	55	61269	136.92	ug/L		95
96) 4-Chlorotoluene	13.312	91	316557	22.02	ug/L		97
97) tert-Butylbenzene	13.415	91	217187	23.20	ug/L		95
98) 1,2,4-Trimethylbenzene	13.452	105	378920	22.72	ug/L		95
99) Pentachloroethane	13.464	167	57583	22.46	ug/L		96
100) sec-Butylbenzene	13.531	105	503182	24.78	ug/L		99
101) 4-Isopropyltoluene	13.610	119	421244	24.69	ug/L		99
102) 1,3-Dichlorobenzene	13.725	146	199890	22.39	ug/L		96
103) 1,2,3-Trimethylbenzene	13.762	105	393676	23.34	ug/L		99
104) 1,4-Dichlorobenzene	13.780	146	205726	21.74	ug/L		99
105) n-Butylbenzene	13.896	92	188275	22.24	ug/L		96
106) Benzyl Chloride	13.932	126	43472	16.07	ug/L		99
107) 1,2-Dichlorobenzene	14.072	146	192815	22.09	ug/L		99
108) 1,2-Dibromo-3-Chloropr...	14.601	75	32996	20.48	ug/L		93
109) Hexachlorobutadiene	15.003	225	36232	22.46	ug/L		87
110) 1,2,4-Trichlorobenzene	15.064	180	121873	21.36	ug/L		99
111) Naphthalene	15.307	128	558623	22.73	ug/L		100
112) 1,2,3-Trichlorobenzene	15.453	180	122432	21.40	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:52:32 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

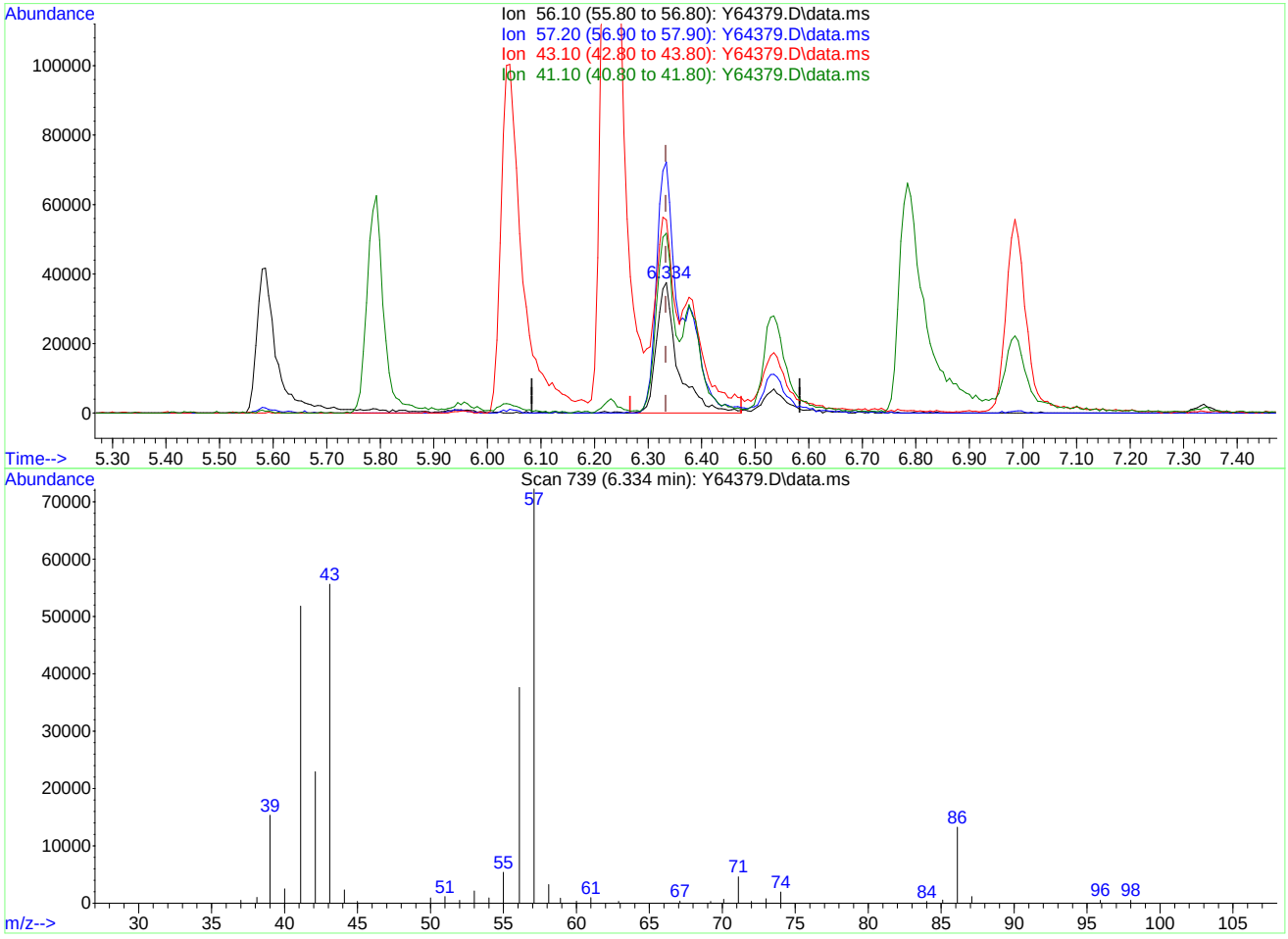
Sample Number: VY2669-BS
Lab FileID: Y64379.D
Injection Time: 09/01/22 11:32
Method: SW846 8260D
Analyst approved: 09/01/22 11:53 Jo-Ann Lugo De Jesus
Supervisor approved: 09/02/22 11:07 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:51:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



TIC: Y64379.D\data.ms

(22) Hexane

6.334min (+0.001) 38.93ug/L

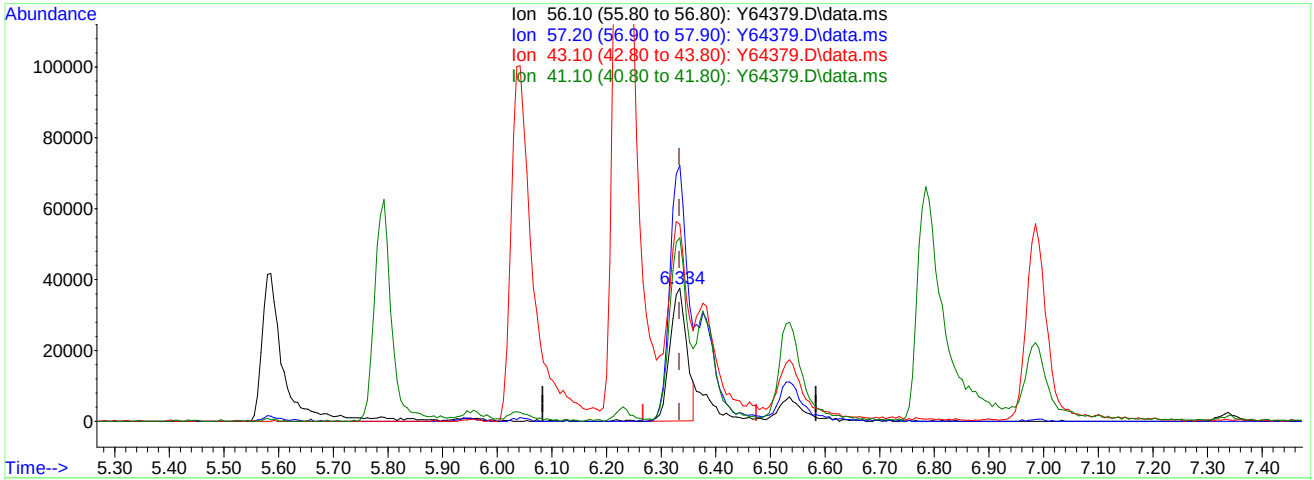
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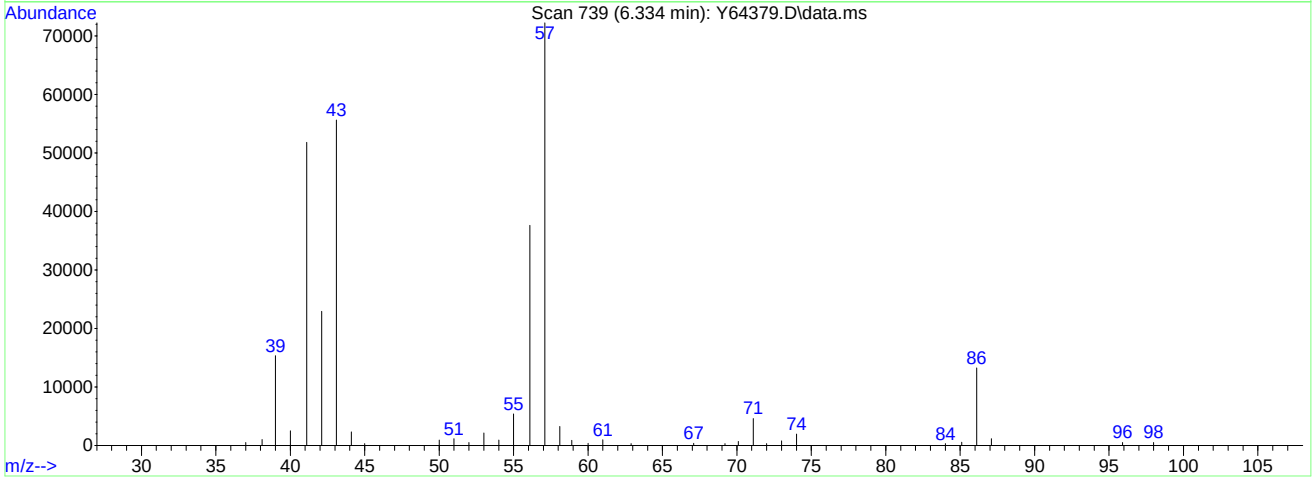
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	192.19
43.10	151.00	136.26
41.10	129.70	136.19

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:51:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64379.D\data.ms

(22) Hexane

6.334min (+0.001) 30.25ug/L m

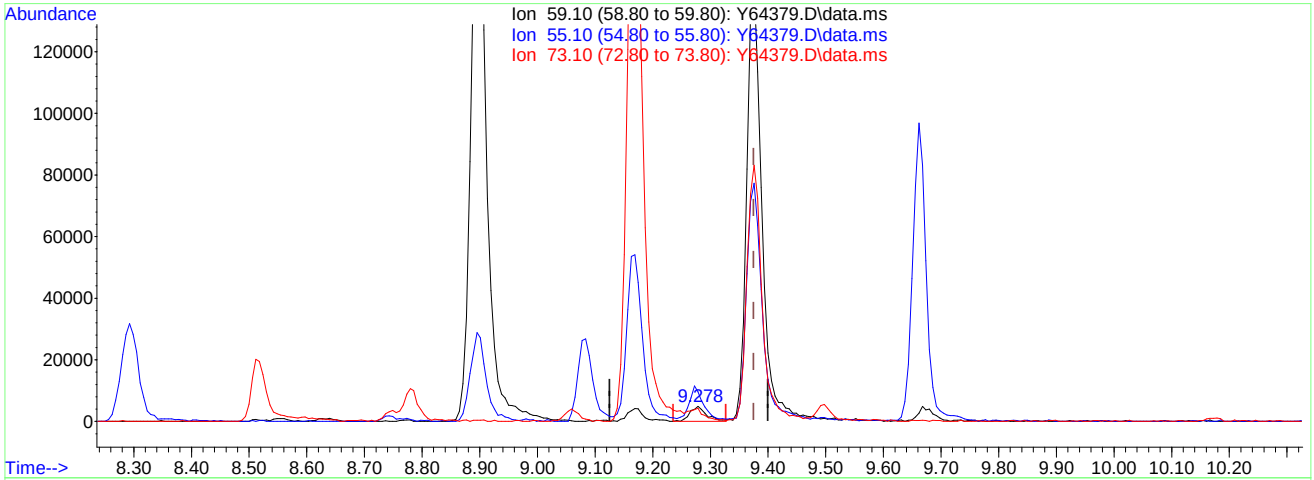
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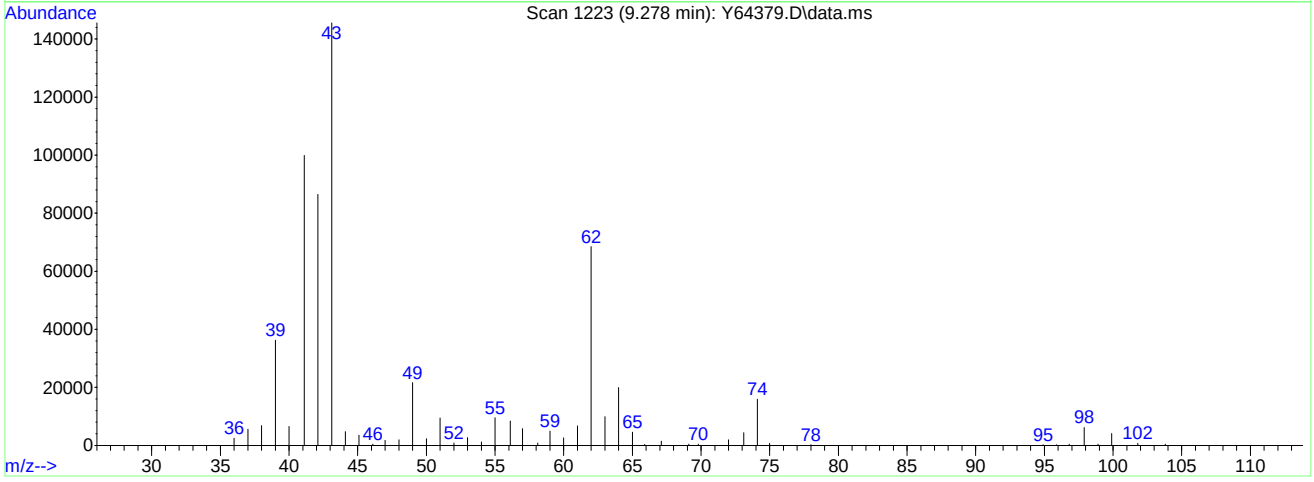
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	192.19
43.10	151.00	147.91
41.10	129.70	137.79

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:51:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64379.D\data.ms

(52) Tert Amyl Alcohol

9.278min (-0.097) 11.08ug/L

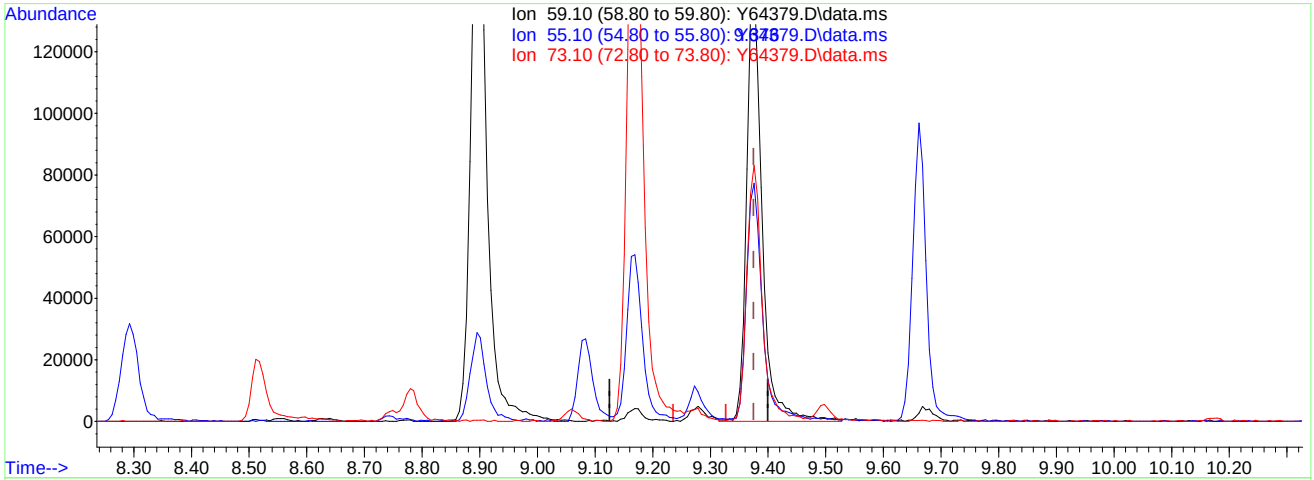
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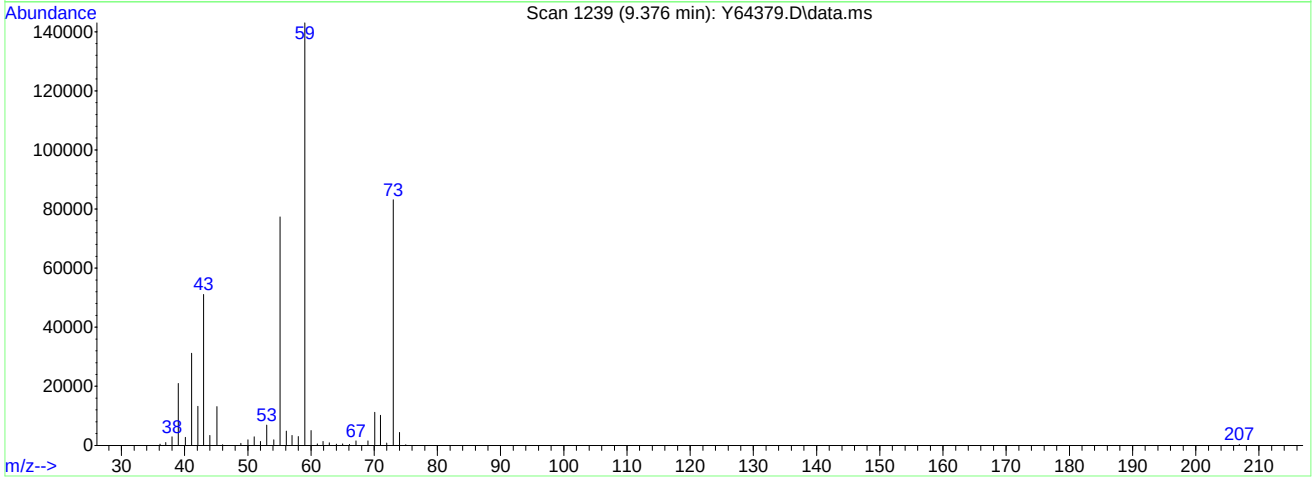
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	178.74#
73.10	59.00	81.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:51:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64379.D\data.ms

(52) Tert Amyl Alcohol

9.376min (+0.001) 262.61ug/L m

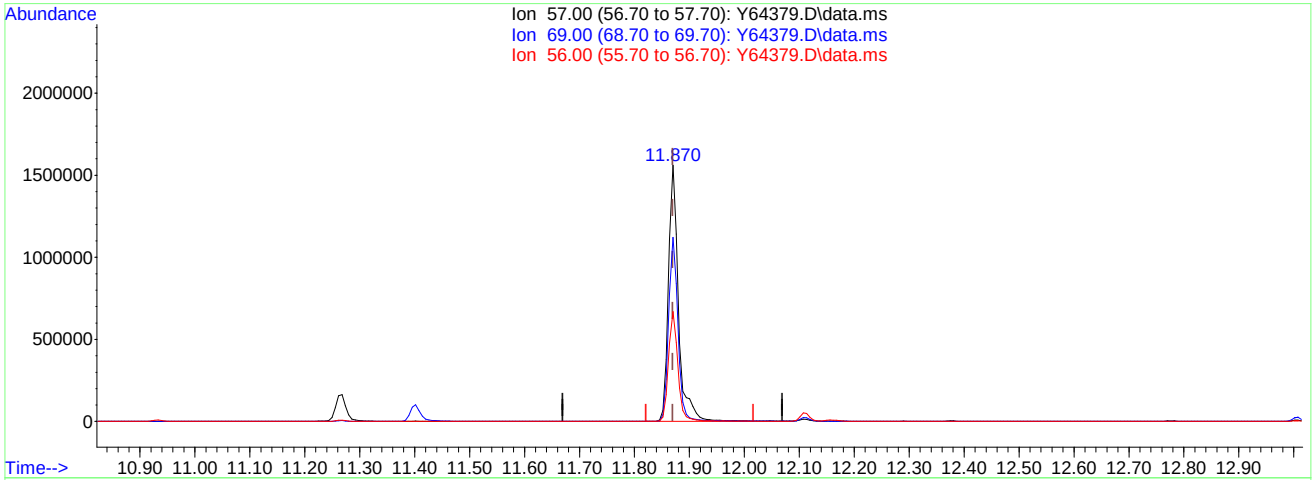
response 263588

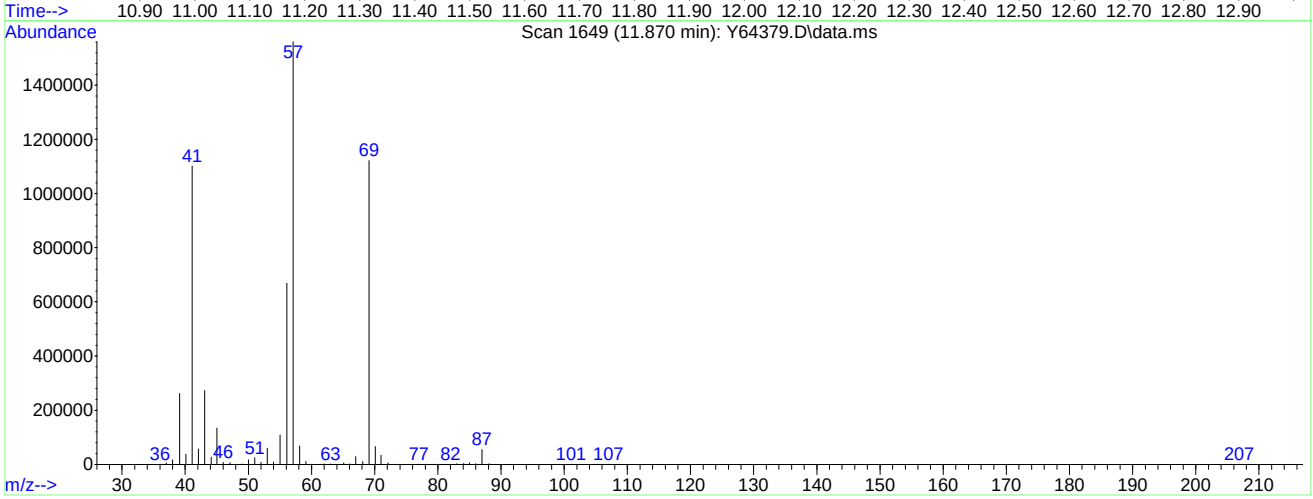
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	54.09
73.10	59.00	58.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:51:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64379.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (+0.001) 1239.42ug/L

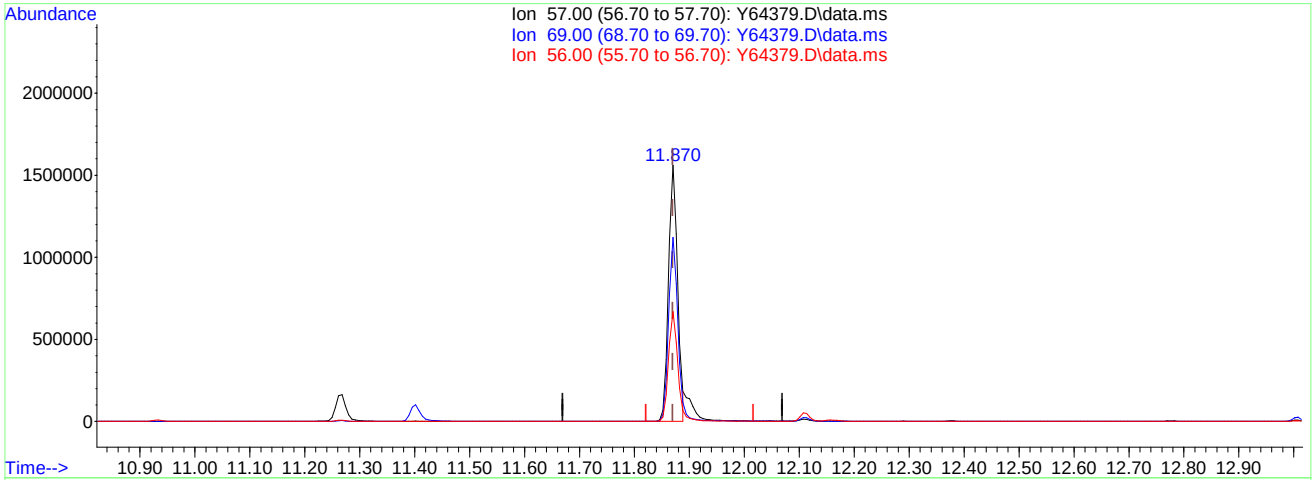
response 1997685

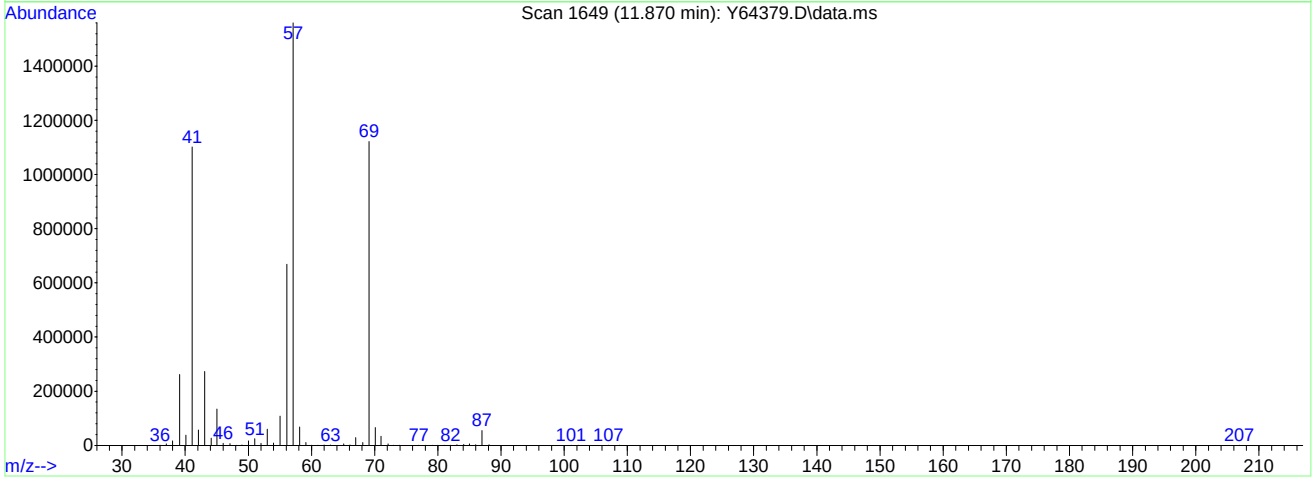
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	71.89
56.00	42.20	42.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:51:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64379.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (+0.001) 1125.13ug/L m

response 1795277

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	71.92
56.00	42.20	42.86
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 11:07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64401.D
Acq On : 1 Sep 2022 8:40 pm
Operator : joannel
Sample : FA98455-4MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 02 02:27:12 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.499	96	601576	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.152	117	526156	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.770	152	265462	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.599	113	128900	47.82	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	95.64%		
49) 1,2-Dichloroethane-d4	9.207	65	160303	48.69	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	97.38%		
63) Toluene-d8	10.935	98	631064	48.49	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	96.98%		
86) 4-Bromofluorobenzene	13.010	174	187762	46.59	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	93.18%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.844	85	78846	23.15	ug/L	94
3) Acrolein	5.582	56	81368	99.60	ug/L	96
4) Chloromethane	3.173	50	92531	24.70	ug/L	91
5) 1,3-butadiene	3.337	39	86464	25.31	ug/L	93
6) Vinyl Chloride	3.313	62	94740	22.62	ug/L	92
7) Bromomethane	3.830	94	13255	17.57	ug/L	97
8) Chloroethane	4.024	64	43227	30.18	ug/L	98
9) Trichlorofluoromethane	4.243	101	116679	26.41	ug/L	99
10) Ethyl Ether	4.748	59	64596	23.58	ug/L	96
11) Ethanol	5.004	45	34258	479.22	ug/L	96
12) 1,2-Dichlorotrifluoroe...	5.040	67	88594	29.25	ug/L	98
13) 1,1-Dichloroethene	5.046	61	111917	27.29	ug/L	98
14) Freon 113	5.107	101	74576	26.16	ug/L	92
15) Carbon Disulfide	5.101	76	167157	21.44	ug/L	99
16) Iodomethane	5.271	142	3221	5.06	ug/L	84
17) Allyl chloride	5.788	41	106491	27.68	ug/L	99
18) Methylene Chloride	5.959	49	107626	22.04	ug/L	97
19) Acetone	6.038	43	224512	130.37	ug/L	100
20) Methyl acetate	6.226	43	464242	118.63	ug/L	99
21) trans-1,2-Dichloroethene	6.220	61	106652	26.08	ug/L	97
22) Hexane	6.336	56	62366m	28.29	ug/L	
23) Methyl Tert Butyl Ether	6.379	73	258616	27.46	ug/L	93
24) Tert Butyl Alcohol	6.531	59	296979	300.14	ug/L	98
25) Acetonitrile	6.786	41	183448	240.39	ug/L	96
26) Di-isopropyl ether	6.987	45	248978	24.88	ug/L	96
27) Chloroprene	7.176	53	102113	117.09	ug/L	97
28) 1,1-Dichloroethane	7.218	63	137745	25.88	ug/L	95
29) Acrylonitrile	7.297	53	231248	111.63	ug/L	98
30) ETBE	7.577	59	213388	21.40	ug/L	98
31) Vinyl acetate	7.601	43	873377	110.63	ug/L	99
32) cis-1,2-Dichloroethene	8.027	96	110136	32.49	ug/L	95
33) 2,2-Dichloropropane	8.167	77	93169	21.12	ug/L	98
34) Bromochloromethane	8.295	128	35271	22.29	ug/L	91
35) Cyclohexane	8.295	56	159598	27.21	ug/L	97
36) Chloroform	8.380	83	134683	25.37	ug/L	97
37) Ethyl acetate	8.514	43	629666	104.52	ug/L	99
38) Tetrahydrofuran	8.587	42	49950	20.52	ug/L	95
40) Carbon Tetrachloride	8.556	117	86212	24.19	ug/L	98
41) 1,1,1-Trichloroethane	8.636	97	117232	25.25	ug/L	99
42) 2-Butanone	8.745	43	392704	122.24	ug/L	98
43) 1,1-Dichloropropene	8.782	75	111690	26.39	ug/L	96
44) tert-Butyl formate	8.909	59	2981	1.10	ug/L #	59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64401.D
Acq On : 1 Sep 2022 8:40 pm
Operator : joannel
Sample : FA98455-4MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 02 02:27:12 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	9.080	54	229930	236.22	ug/L		96
46) Methacrylonitrile	9.104	41	731332	231.20	ug/L		98
47) Benzene	9.061	78	343147	24.93	ug/L		99
48) TAME	9.171	73	301337	30.93	ug/L		95
50) Isobutyl Alcohol	9.274	42	122793	472.31	ug/L		96
51) 1,2-Dichloroethane	9.280	62	101237	23.32	ug/L		92
52) Tert Amyl Alcohol	9.372	59	197365m	240.11	ug/L		
53) Trichloroethene	9.676	95	84097	25.23	ug/L		96
54) Methylcyclohexane	9.664	83	166445	28.58	ug/L		97
55) Dibromomethane	10.089	93	43600	23.17	ug/L		88
56) 1,2-Dichloropropane	10.175	63	79963	24.22	ug/L		96
57) Bromodichloromethane	10.229	83	89112	25.30	ug/L		99
58) Methyl methacrylate	10.345	41	87278	23.72	ug/L		96
59) 1,4-Dioxane	10.412	88	41062	573.11	ug/L		97
61) cis-1,3-Dichloropropene	10.783	75	104425	22.47	ug/L		99
64) Toluene	10.978	91	369211	22.95	ug/L		98
65) 2-Nitropropane	11.172	41	168932	105.70	ug/L		96
66) 4-Methyl-2-pentanone	11.264	43	754708	118.41	ug/L		98
67) trans-1,3-Dichloropropene	11.312	75	103025	23.58	ug/L		82
68) Tetrachloroethene	11.300	166	74146	19.07	ug/L		86
69) Ethyl methacrylate	11.397	69	104609	20.08	ug/L		91
70) 1,1,2-Trichloroethane	11.440	83	63037	22.53	ug/L		98
71) Dibromochloromethane	11.592	129	59796	19.91	ug/L		97
72) 1,3-Dichloropropane	11.659	76	128022	20.96	ug/L		99
73) 1,2-Dibromoethane	11.787	107	71783	20.78	ug/L		98
74) 3,3-dimethyl-1-butanol	11.872	57	1448918m	1089.72	ug/L		
75) 2-hexanone	11.896	43	606907	134.57	ug/L		97
76) 1-Chlorohexane	12.109	91	127704	26.39	ug/L		96
77) Ethylbenzene	12.158	91	423592	23.90	ug/L		98
78) Chlorobenzene	12.164	112	228727	23.15	ug/L		94
79) 1,1,1,2-Tetrachloroethane	12.200	131	67570	21.55	ug/L		96
80) m,p-Xylene	12.255	91	645331	47.12	ug/L		97
81) o-Xylene	12.572	91	319807	24.33	ug/L		99
82) Styrene	12.608	104	221310	23.10	ug/L		96
83) Bromoform	12.663	173	36108	18.60	ug/L		95
84) Isopropylbenzene	12.778	105	403529	24.14	ug/L		98
87) cis-1,4-Dichloro-2-butene	13.034	53	22300	14.48	ug/L	#	83
88) n-Propylbenzene	13.064	91	499088	25.62	ug/L		94
89) Bromobenzene	13.095	156	78879	20.30	ug/L	#	68
90) 1,1,2,2-Tetrachloroethane	13.119	83	130754	24.13	ug/L		98
91) 1,3,5-Trimethylbenzene	13.180	105	328764	24.70	ug/L		98
92) 2-Chlorotoluene	13.204	91	308169	24.36	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.241	53	20112	14.07	ug/L	#	81
94) 1,2,3-Trichloropropane	13.235	110	39306	21.59	ug/L		96
95) Cyclohexanone	13.289	55	39852	113.68	ug/L		96
96) 4-Chlorotoluene	13.314	91	274545	24.38	ug/L		97
97) tert-Butylbenzene	13.411	91	184249	25.12	ug/L		95
98) 1,2,4-Trimethylbenzene	13.454	105	323136	24.73	ug/L		95
99) Pentachloroethane	13.466	167	41982	20.93	ug/L		90
100) sec-Butylbenzene	13.533	105	436290	27.42	ug/L		99
101) 4-Isopropyltoluene	13.612	119	358681	26.83	ug/L		99
102) 1,3-Dichlorobenzene	13.721	146	157426	22.51	ug/L		94
103) 1,2,3-Trimethylbenzene	13.764	105	328446	24.86	ug/L		96
104) 1,4-Dichlorobenzene	13.782	146	157983	21.31	ug/L		98
105) n-Butylbenzene	13.898	92	164804	24.85	ug/L		98
106) Benzyl Chloride	13.934	126	25172	12.00	ug/L		95
107) 1,2-Dichlorobenzene	14.068	146	146365	21.40	ug/L		94
108) 1,2-Dibromo-3-Chloropr...	14.597	75	27224	21.57	ug/L		81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64401.D
Acq On : 1 Sep 2022 8:40 pm
Operator : joannel
Sample : FA98455-4MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 02 02:27:12 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

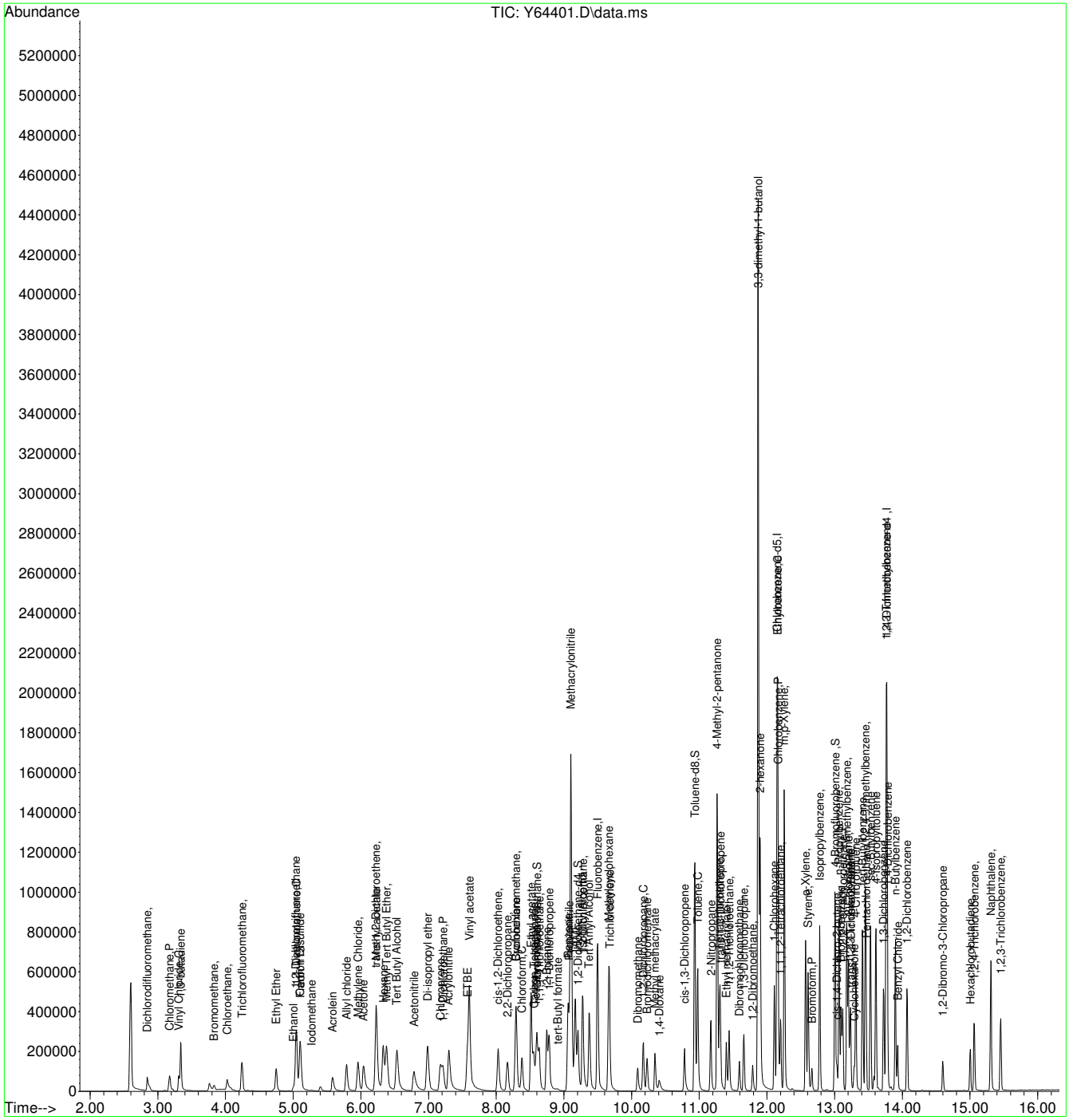
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) Hexachlorobutadiene	15.005	225	25982	20.67	ug/L	90
110) 1,2,4-Trichlorobenzene	15.066	180	82983	18.56	ug/L	96
111) Naphthalene	15.309	128	403033	20.93	ug/L	98
112) 1,2,3-Trichlorobenzene	15.455	180	80660	18.00	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64401.D
Acq On : 1 Sep 2022 8:40 pm
Operator : joannel
Sample : FA98455-4MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 02 02:27:12 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



APPIX_08-29-2022_Y.M Fri Sep 02 02:34:38 2022 Page: 4

Manual Integration Approval Summary

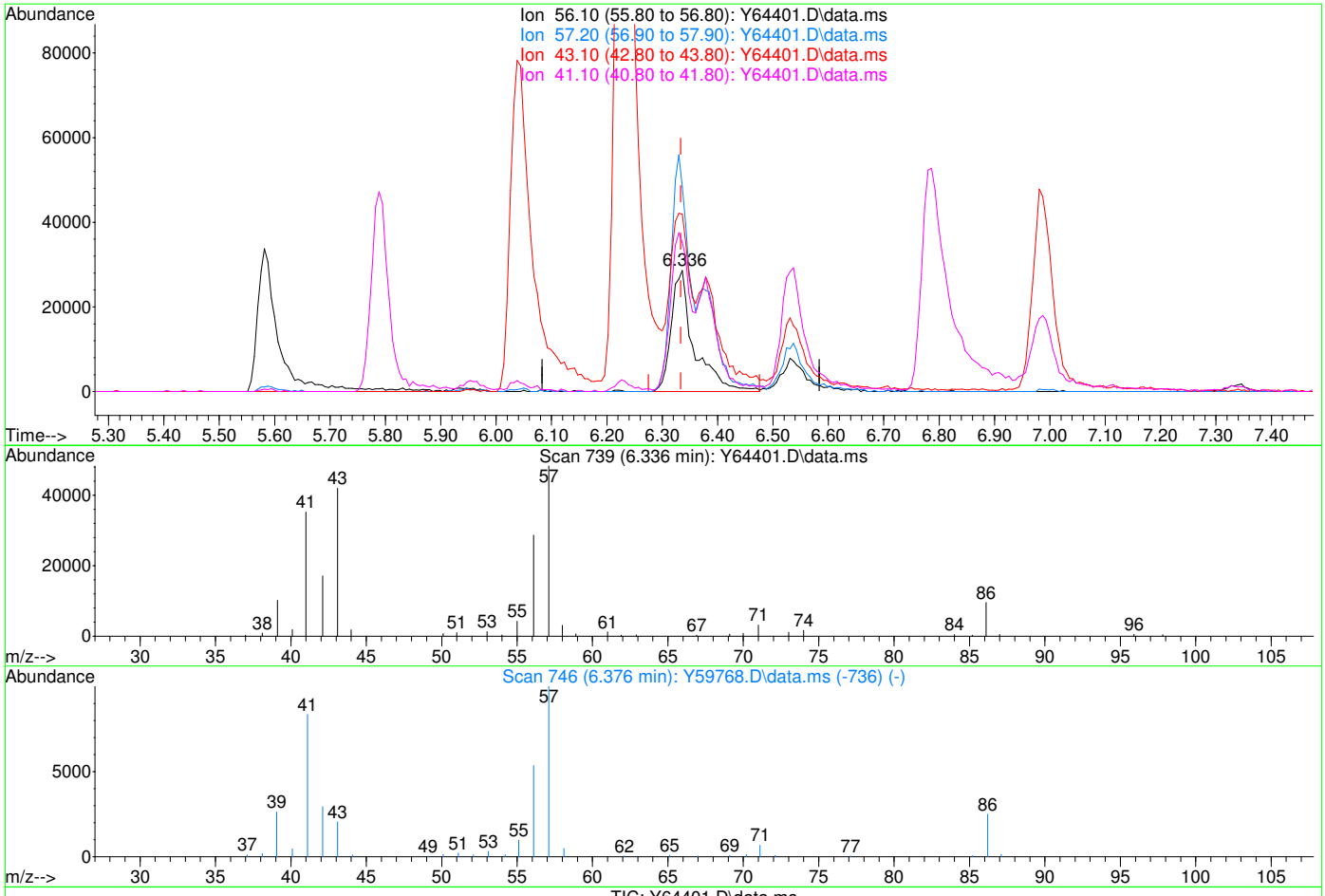
Sample Number: FA98455-4MS
Lab FileID: Y64401.D
Injection Time: 09/01/22 20:40
Method: SW846 8260D
Analyst approved: 09/02/22 09:08 Jo-Ann Lugo De Jesus
Supervisor approved: 09/02/22 11:07 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.34	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.37	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64401.D
Acq On : 1 Sep 2022 8:40 pm
Operator : joannel
Sample : FA98455-4MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 02 02:11:58 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



TIC: Y64401.D\data.ms

(22) Hexane

6.336min (+0.003) 37.30ug/L

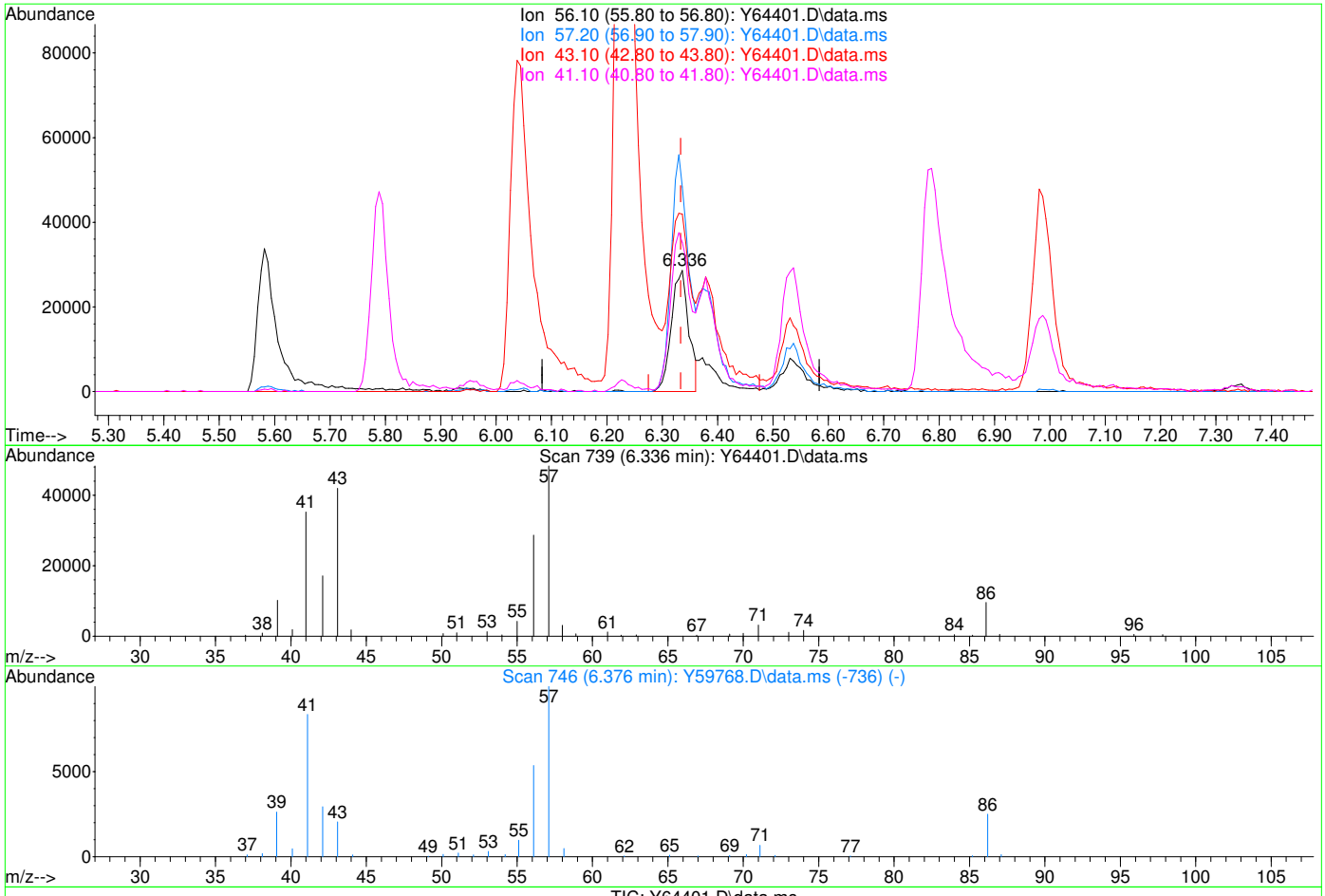
response 82227

Ion	Exp%	Act%
56.10	100	100
57.20	192.30	168.75#
43.10	151.00	136.84
41.10	129.70	120.66

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64401.D
Acq On : 1 Sep 2022 8:40 pm
Operator : joannel
Sample : FA98455-4MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 02 02:11:58 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



TIC: Y64401.D\data.ms

(22) Hexane

6.336min (+0.003) 28.29ug/L m

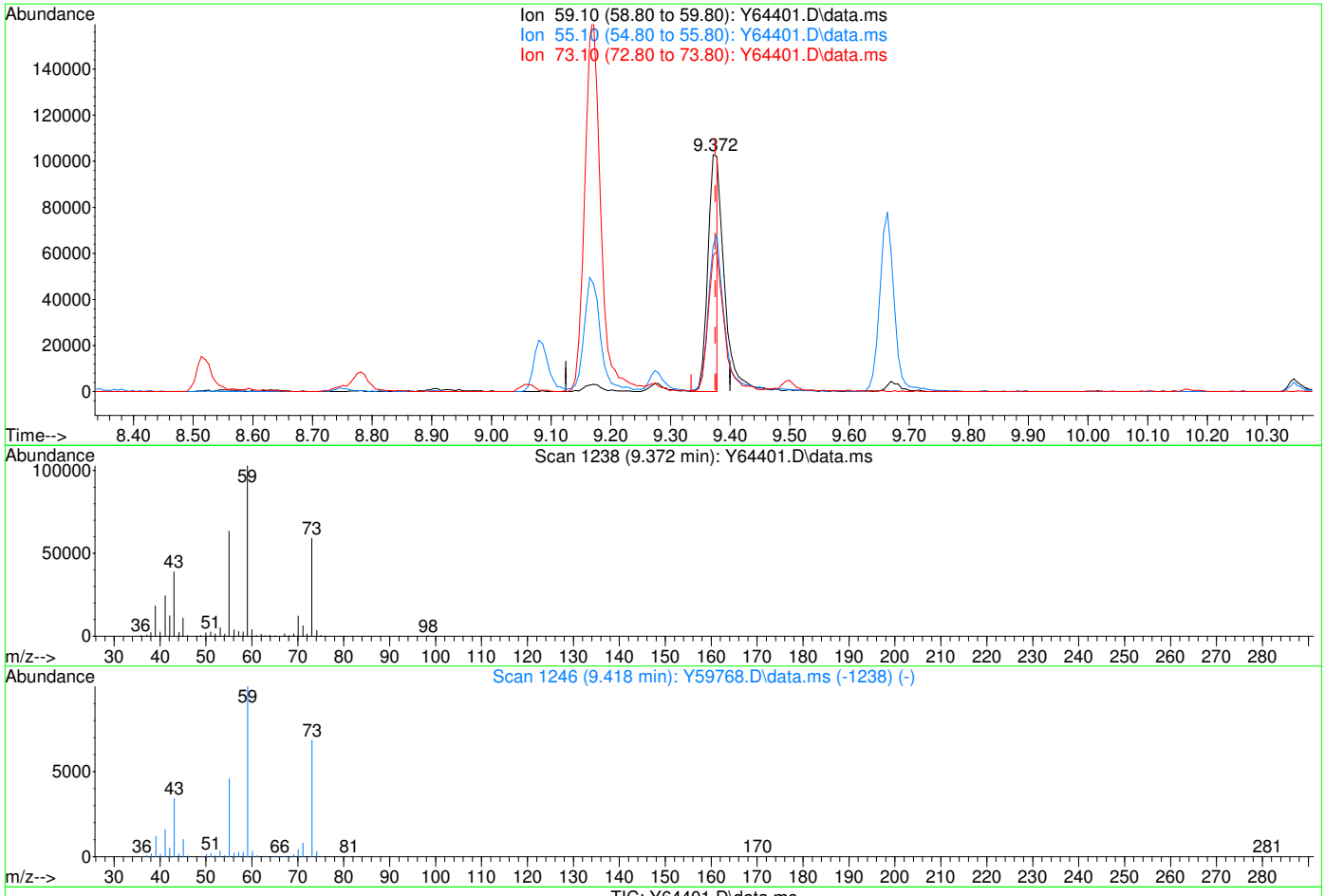
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Ion	Exp%	Act%
56.10	100	100
57.20	192.30	168.75#
43.10	151.00	146.38
41.10	129.70	123.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64401.D
Acq On : 1 Sep 2022 8:40 pm
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Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



TIC: Y64401.D\data.ms

(52) Tert Amyl Alcohol

9.372min (-0.003) 153.47ug/L

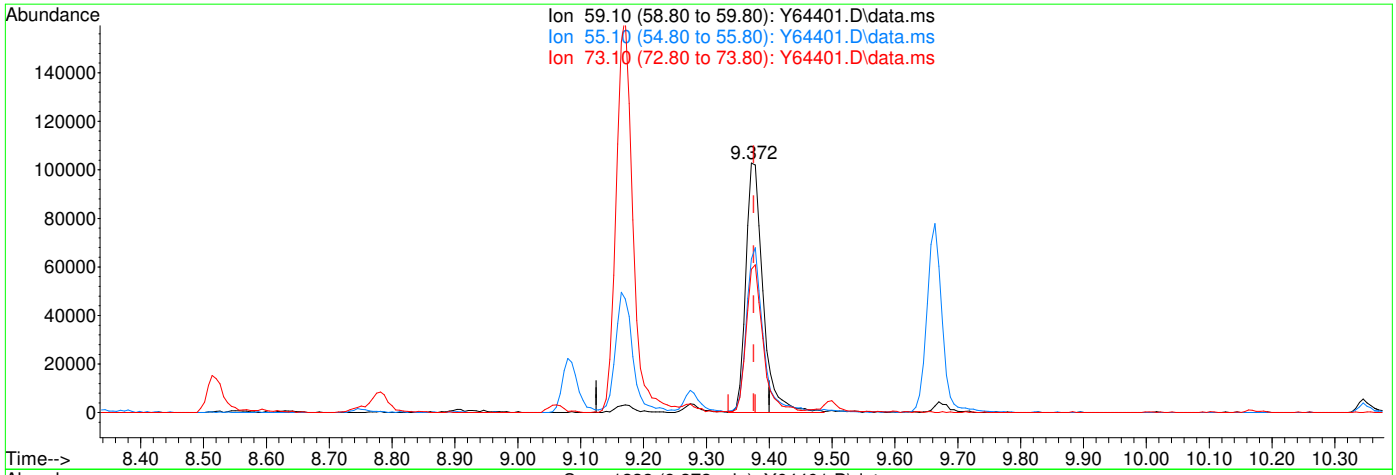
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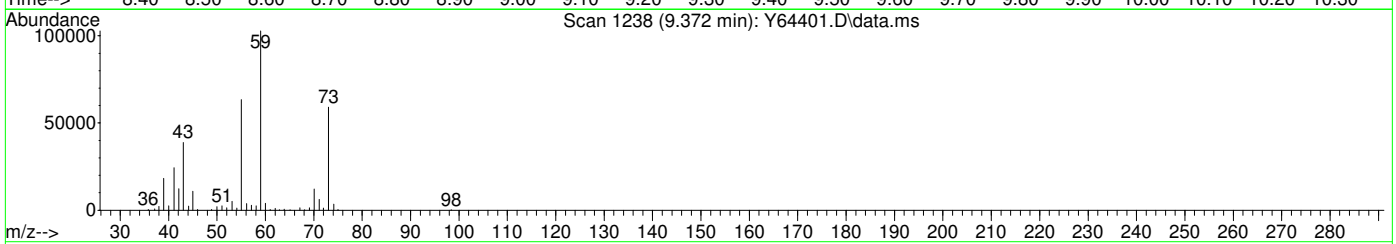
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	60.97
73.10	59.00	56.93
0.00	0.00	0.00

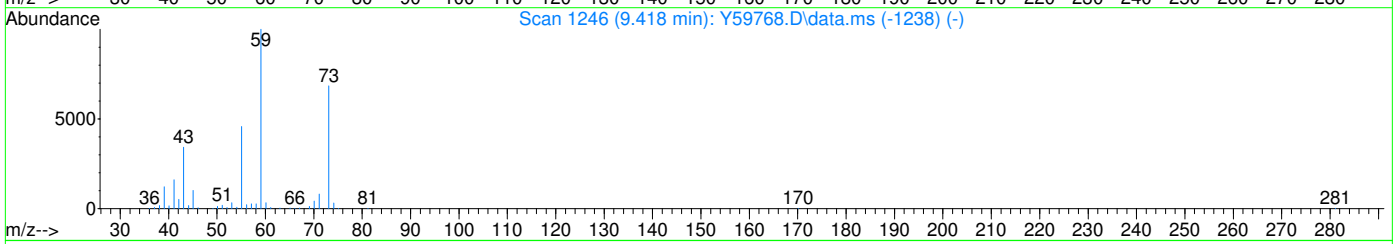
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64401.D
Acq On : 1 Sep 2022 8:40 pm
Operator : joannel
Sample : FA98455-4MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 02 02:11:58 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64401.D\data.ms

(52) Tert Amyl Alcohol

9.372min (-0.003) 240.11ug/L m

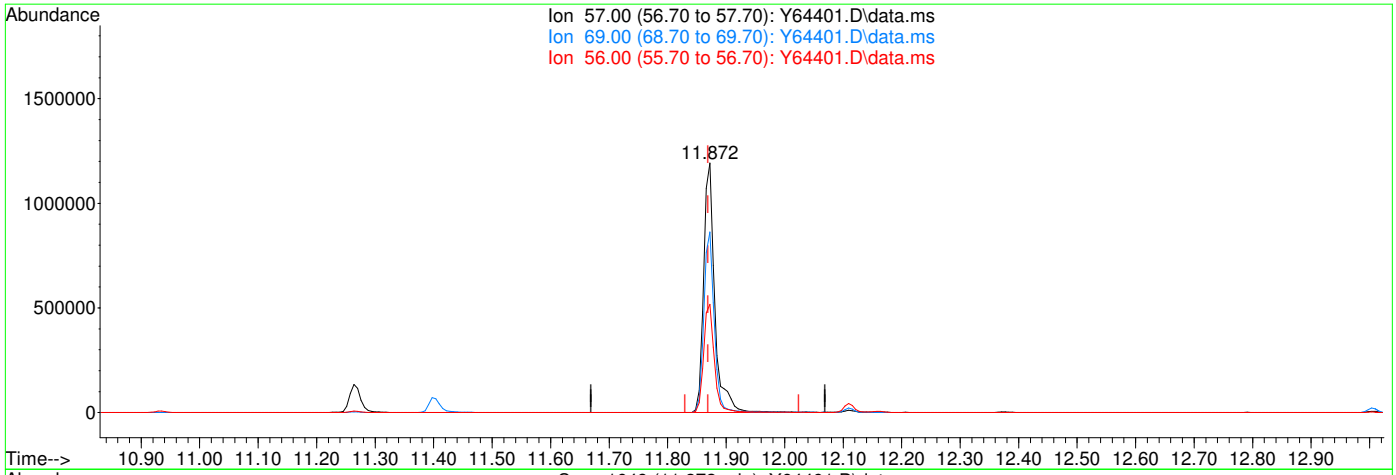
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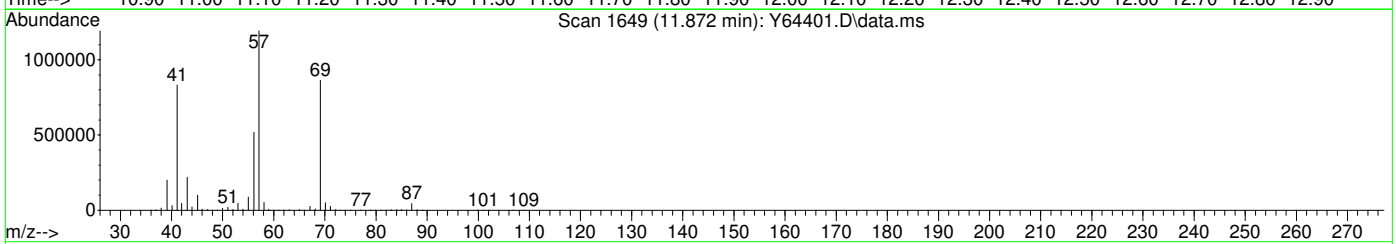
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	61.57
73.10	59.00	57.44
0.00	0.00	0.00

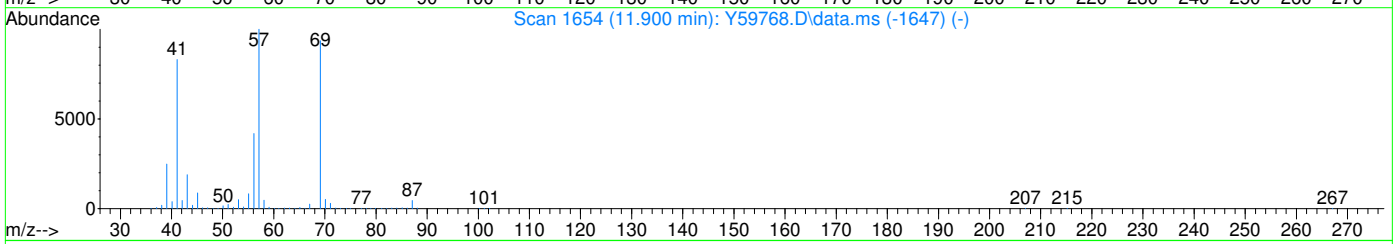
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64401.D
Acq On : 1 Sep 2022 8:40 pm
Operator : joannel
Sample : FA98455-4MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 02 02:11:58 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64401.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.872min (+0.003) 1191.65ug/L

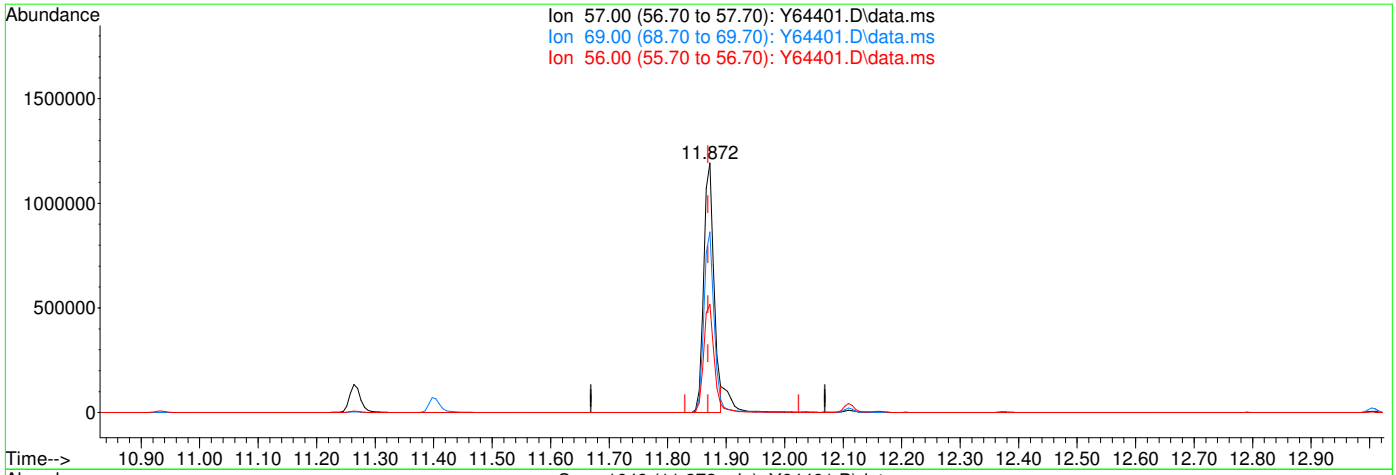
response 1598833

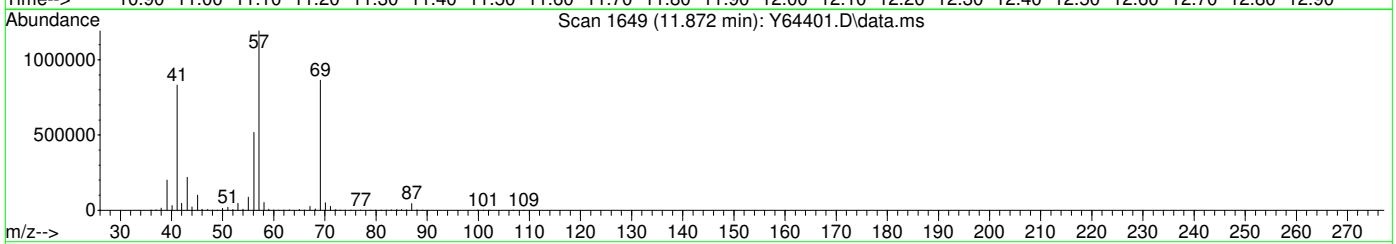
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	72.37
56.00	42.20	43.39
0.00	0.00	0.00

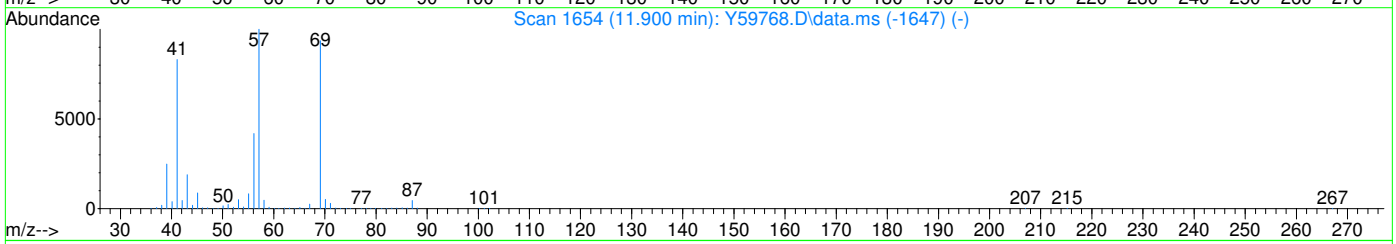
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64401.D
Acq On : 1 Sep 2022 8:40 pm
Operator : joannel
Sample : FA98455-4MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 02 02:11:58 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64401.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.872min (+0.003) 1089.72ug/L m

response 1448918

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	72.37
56.00	42.20	43.39
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 11:07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64402.D
Acq On : 1 Sep 2022 9:05 pm
Operator : joannel
Sample : FA98455-4MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 02:28:43 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	612634	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	541657	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	271309	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	136958	49.90	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.80%			
49) 1,2-Dichloroethane-d4	9.211	65	167856	50.07	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.14%			
63) Toluene-d8	10.933	98	635150	47.41	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.82%			
86) 4-Bromofluorobenzene	13.007	174	198238	48.13	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.26%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	88501	25.47	ug/L	93
3) Acrolein	5.579	56	83717	100.57	ug/L	100
4) Chloromethane	3.176	50	103361	27.09	ug/L	96
5) 1,3-butadiene	3.340	39	100345	28.85	ug/L	96
6) Vinyl Chloride	3.310	62	105946	24.84	ug/L	92
7) Bromomethane	3.827	94	20645	25.69	ug/L	84
8) Chloroethane	4.028	64	47703	32.70	ug/L	90
9) Trichlorofluoromethane	4.241	101	126326	28.08	ug/L	95
10) Ethyl Ether	4.746	59	64818	23.24	ug/L	95
11) Ethanol	5.007	45	37116	504.94	ug/L	98
12) 1,2-Dichlorotrifluoroe...	5.038	67	95001	30.80	ug/L	96
13) 1,1-Dichloroethene	5.050	61	113804	27.25	ug/L	94
14) Freon 113	5.111	101	78337	26.98	ug/L	95
15) Carbon Disulfide	5.099	76	182036	22.92	ug/L	100
16) Iodomethane	5.269	142	7375	11.11	ug/L	84
17) Allyl chloride	5.792	41	113207	28.86	ug/L	96
18) Methylene Chloride	5.956	49	109928	22.11	ug/L	99
19) Acetone	6.042	43	237672	135.33	ug/L	93
20) Methyl acetate	6.230	43	489707	122.88	ug/L	100
21) trans-1,2-Dichloroethene	6.218	61	114986	27.61	ug/L	94
22) Hexane	6.327	56	65223m	29.05	ug/L	
23) Methyl Tert Butyl Ether	6.376	73	270735	28.22	ug/L	92
24) Tert Butyl Alcohol	6.534	59	322551	318.07	ug/L	97
25) Acetonitrile	6.784	41	199336	255.64	ug/L	94
26) Di-isopropyl ether	6.984	45	259638	25.48	ug/L	98
27) Chloroprene	7.173	53	104365	117.45	ug/L	99
28) 1,1-Dichloroethane	7.216	63	150103	27.69	ug/L	99
29) Acrylonitrile	7.301	53	250698	118.60	ug/L	98
30) ETBE	7.575	59	223814	22.04	ug/L	98
31) Vinyl acetate	7.605	43	906160	112.61	ug/L	99
32) cis-1,2-Dichloroethene	8.031	96	113265	32.81	ug/L	96
33) 2,2-Dichloropropane	8.171	77	97602	21.72	ug/L	95
34) Bromochloromethane	8.292	128	37340	23.17	ug/L	91
35) Cyclohexane	8.292	56	165969	27.79	ug/L	96
36) Chloroform	8.378	83	136705	25.29	ug/L	97
37) Ethyl acetate	8.517	43	666838	108.66	ug/L	99
38) Tetrahydrofuran	8.590	42	59336	23.93	ug/L	97
40) Carbon Tetrachloride	8.554	117	90882	25.04	ug/L	84
41) 1,1,1-Trichloroethane	8.633	97	121099	25.62	ug/L	98
42) 2-Butanone	8.743	43	402330	122.98	ug/L	96
43) 1,1-Dichloropropene	8.779	75	112455	26.09	ug/L	98
44) tert-Butyl formate	8.913	59	3749	1.35	ug/L #	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64402.D
Acq On : 1 Sep 2022 9:05 pm
Operator : joannel
Sample : FA98455-4MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 02:28:43 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	9.083	54	241816	243.48	ug/L		96
46) Methacrylonitrile	9.101	41	772599	239.17	ug/L		99
47) Benzene	9.059	78	354282	25.28	ug/L		98
48) TAME	9.168	73	309644	31.21	ug/L		96
50) Isobutyl Alcohol	9.272	42	133272	499.62	ug/L		97
51) 1,2-Dichloroethane	9.284	62	104956	23.74	ug/L		98
52) Tert Amyl Alcohol	9.375	59	219433m	259.81	ug/L		
53) Trichloroethene	9.673	95	88777	26.15	ug/L		91
54) Methylcyclohexane	9.661	83	169766	28.63	ug/L		97
55) Dibromomethane	10.087	93	45725	23.86	ug/L		89
56) 1,2-Dichloropropane	10.172	63	80941	24.07	ug/L		95
57) Bromodichloromethane	10.227	83	89658	25.00	ug/L		97
58) Methyl methacrylate	10.343	41	89682	23.92	ug/L		95
59) 1,4-Dioxane	10.409	88	42972	587.58	ug/L		95
61) cis-1,3-Dichloropropene	10.781	75	110058	23.23	ug/L		97
64) Toluene	10.975	91	383876	23.18	ug/L		95
65) 2-Nitropropane	11.170	41	181879	110.54	ug/L		95
66) 4-Methyl-2-pentanone	11.267	43	775194	118.16	ug/L		98
67) trans-1,3-Dichloropropene	11.310	75	104548	23.25	ug/L		93
68) Tetrachloroethene	11.304	166	82254	20.55	ug/L		97
69) Ethyl methacrylate	11.401	69	111645	20.78	ug/L		97
70) 1,1,2-Trichloroethane	11.444	83	63703	22.12	ug/L		96
71) Dibromochloromethane	11.590	129	63673	20.59	ug/L		96
72) 1,3-Dichloropropane	11.657	76	131789	20.96	ug/L		99
73) 1,2-Dibromoethane	11.790	107	77984	21.93	ug/L		100
74) 3,3-dimethyl-1-butanol	11.869	57	1579044m	1147.68	ug/L		
75) 2-hexanone	11.900	43	629442	135.20	ug/L		98
76) 1-Chlorohexane	12.113	91	128194	25.73	ug/L		98
77) Ethylbenzene	12.155	91	427452	23.43	ug/L		99
78) Chlorobenzene	12.161	112	235024	23.11	ug/L		99
79) 1,1,1,2-Tetrachloroethane	12.204	131	71347	22.10	ug/L		92
80) m,p-Xylene	12.259	91	661639	46.93	ug/L		100
81) o-Xylene	12.569	91	331496	24.50	ug/L		99
82) Styrene	12.606	104	232776	23.60	ug/L		96
83) Bromoform	12.666	173	37915	18.95	ug/L		95
84) Isopropylbenzene	12.782	105	415193	24.13	ug/L		98
87) cis-1,4-Dichloro-2-butene	13.031	53	19555	12.43	ug/L		96
88) n-Propylbenzene	13.068	91	515970	25.91	ug/L		97
89) Bromobenzene	13.098	156	81553	20.53	ug/L		91
90) 1,1,2,2-Tetrachloroethane	13.117	83	135411	24.45	ug/L		99
91) 1,3,5-Trimethylbenzene	13.177	105	338502	24.88	ug/L		97
92) 2-Chlorotoluene	13.202	91	316064	24.44	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.238	53	19895	13.61	ug/L	#	36
94) 1,2,3-Trichloropropane	13.232	110	39939	21.47	ug/L		97
95) Cyclohexanone	13.287	55	39649	110.66	ug/L		92
96) 4-Chlorotoluene	13.311	91	282195	24.52	ug/L		99
97) tert-Butylbenzene	13.415	91	192763	25.72	ug/L		97
98) 1,2,4-Trimethylbenzene	13.457	105	331317	24.81	ug/L		97
99) Pentachloroethane	13.463	167	45342	22.09	ug/L		83
100) sec-Butylbenzene	13.530	105	446477	27.46	ug/L		98
101) 4-Isopropyltoluene	13.609	119	365329	26.74	ug/L		98
102) 1,3-Dichlorobenzene	13.725	146	162264	22.70	ug/L		96
103) 1,2,3-Trimethylbenzene	13.761	105	338632	25.08	ug/L		99
104) 1,4-Dichlorobenzene	13.780	146	163733	21.61	ug/L		95
105) n-Butylbenzene	13.895	92	177115	26.13	ug/L		97
106) Benzyl Chloride	13.932	126	25073	11.70	ug/L	#	84
107) 1,2-Dichlorobenzene	14.072	146	153603	21.98	ug/L		98
108) 1,2-Dibromo-3-Chloropr...	14.601	75	29502	22.87	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64402.D
Acq On : 1 Sep 2022 9:05 pm
Operator : joannel
Sample : FA98455-4MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 02:28:43 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

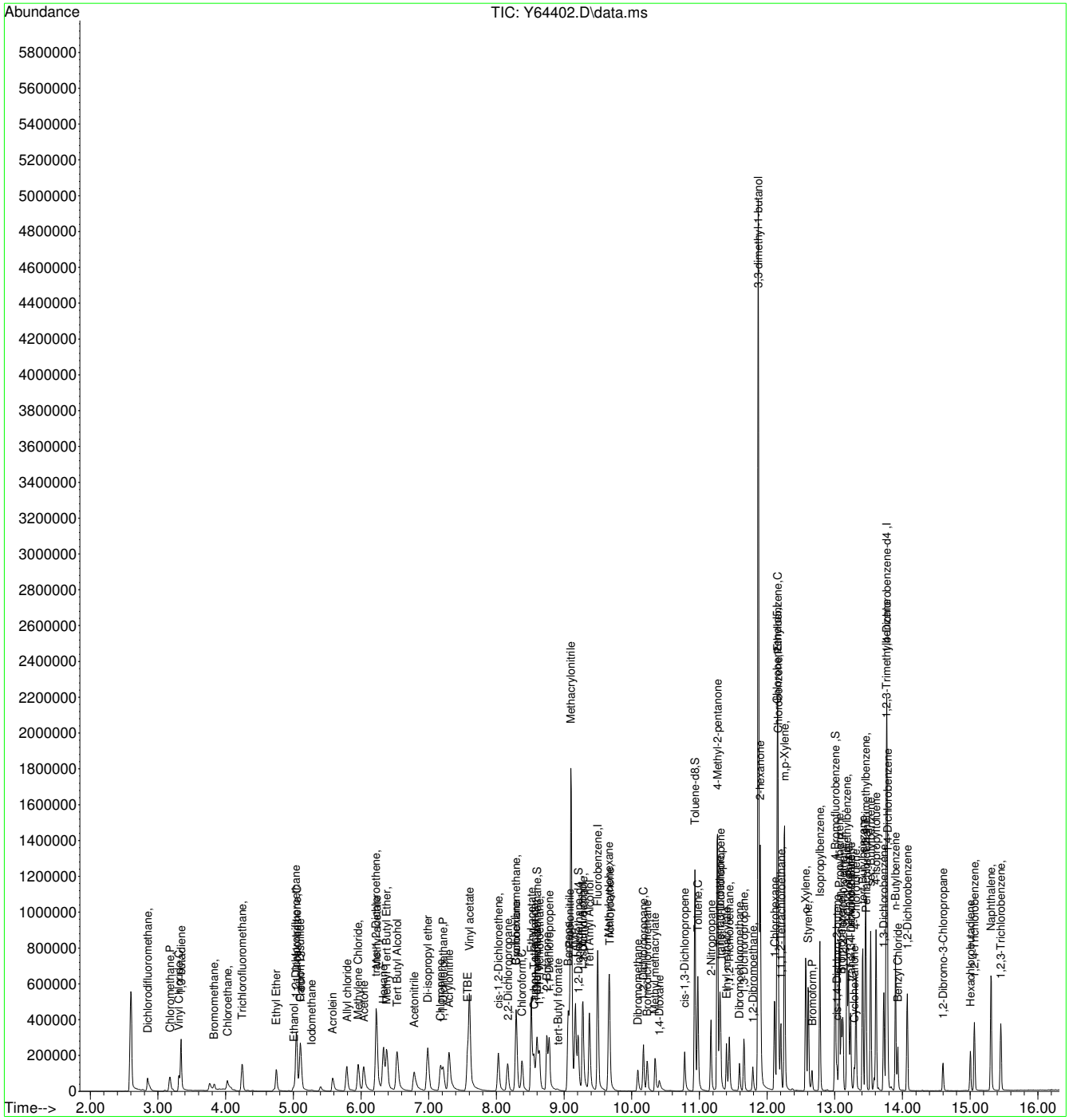
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) Hexachlorobutadiene	15.002	225	27698	21.51	ug/L	83
110) 1,2,4-Trichlorobenzene	15.063	180	87919	19.24	ug/L	97
111) Naphthalene	15.307	128	431027	21.90	ug/L	100
112) 1,2,3-Trichlorobenzene	15.453	180	86010	18.78	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64402.D
Acq On : 1 Sep 2022 9:05 pm
Operator : joannel
Sample : FA98455-4MSD
Misc : MS52308,VY2669,,,,,
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Quant Time: Sep 02 02:28:43 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
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Manual Integration Approval Summary

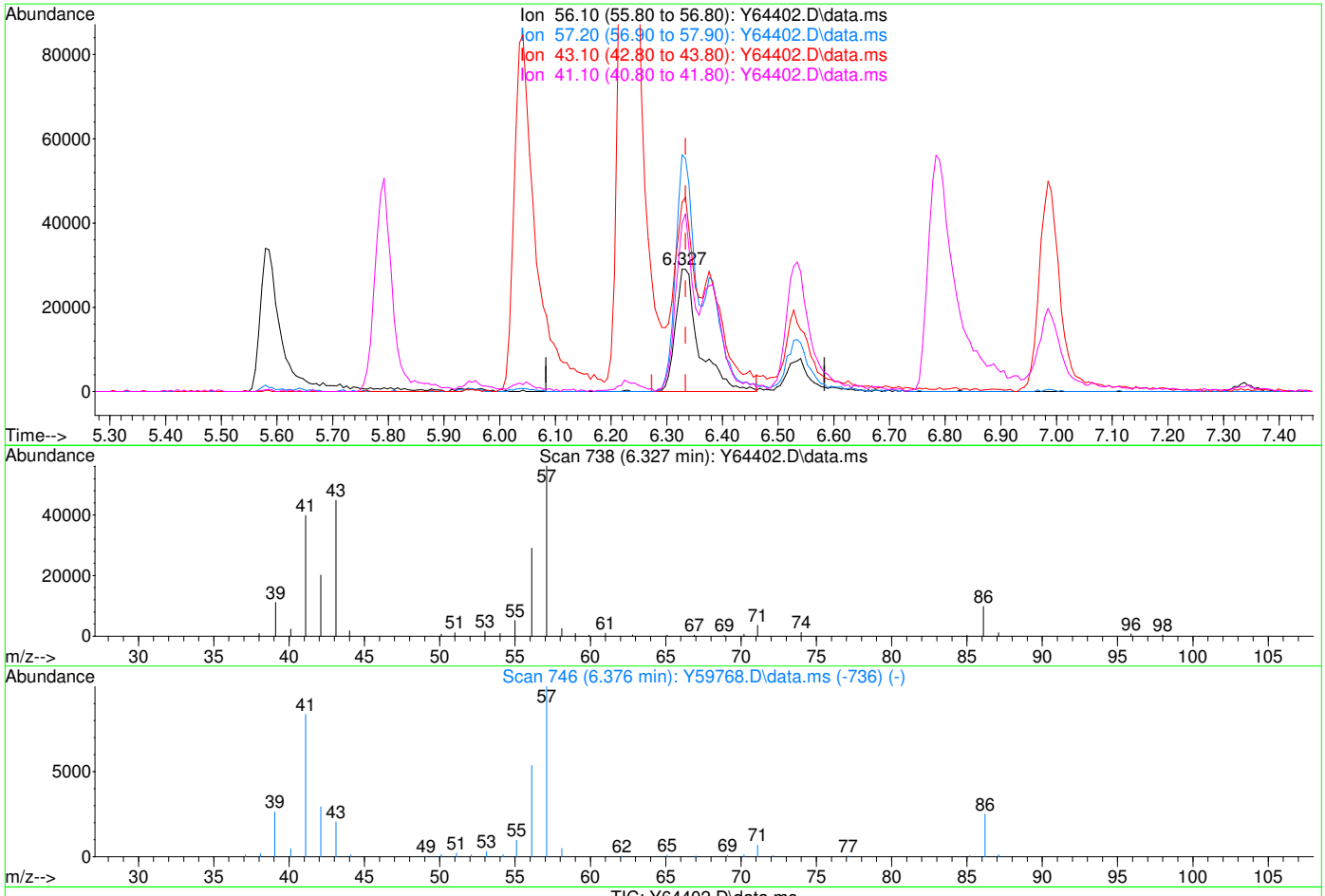
Sample Number: FA98455-4MSD
Lab FileID: Y64402.D
Injection Time: 09/01/22 21:05
Method: SW846 8260D
Analyst approved: 09/02/22 09:08 Jo-Ann Lugo De Jesus
Supervisor approved: 09/02/22 11:07 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64402.D
Acq On : 1 Sep 2022 9:05 pm
Operator : joannel
Sample : FA98455-4MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 02:12:02 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



TIC: Y64402.D\data.ms

(22) Hexane

6.327min (-0.006) 38.13ug/L

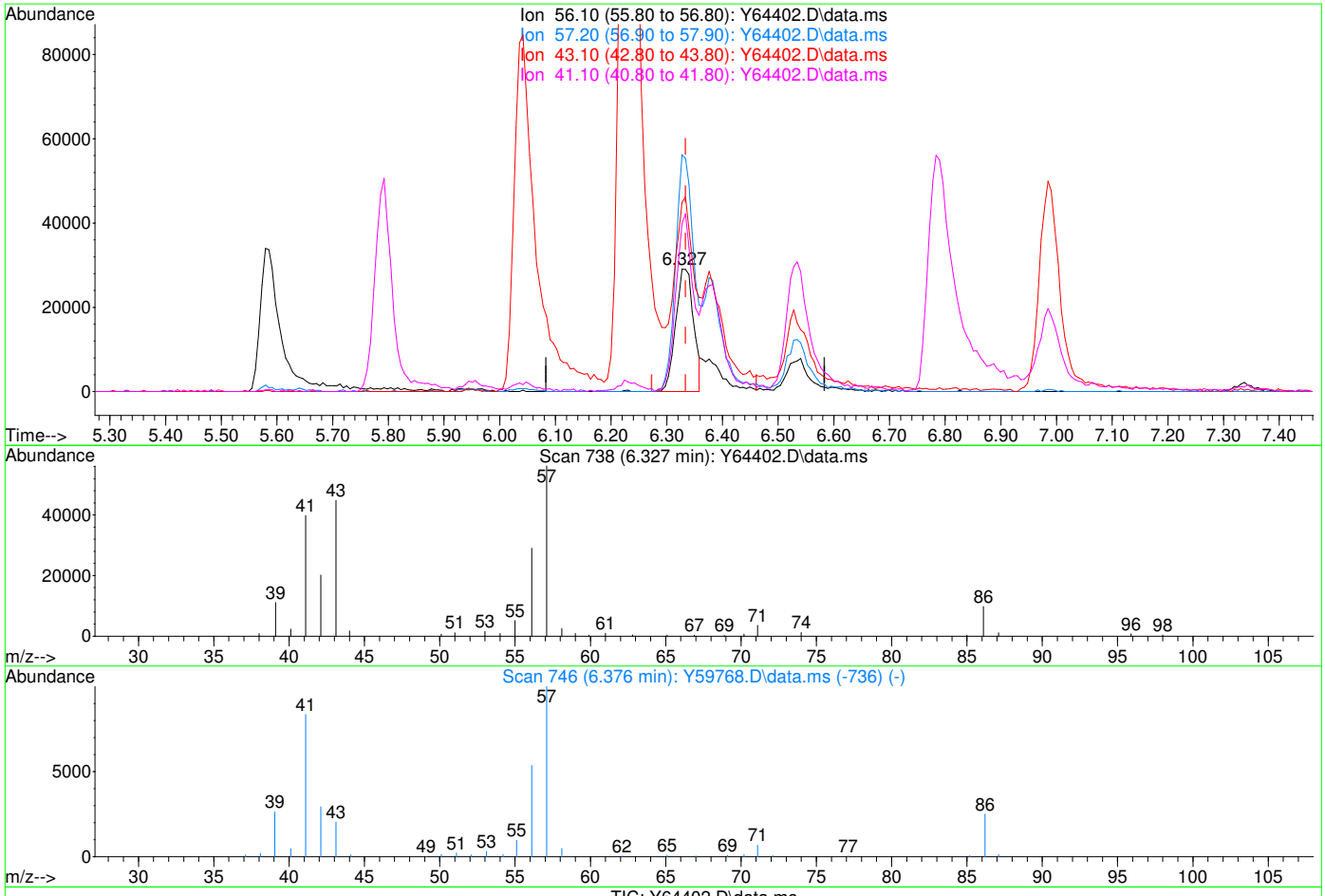
response 85619

Ion	Exp%	Act%
56.10	100	100
57.20	192.30	193.69
43.10	151.00	141.53
41.10	129.70	134.88

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64402.D
Acq On : 1 Sep 2022 9:05 pm
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



TIC: Y64402.D\data.ms

(22) Hexane

6.327min (-0.006) 29.05ug/L m

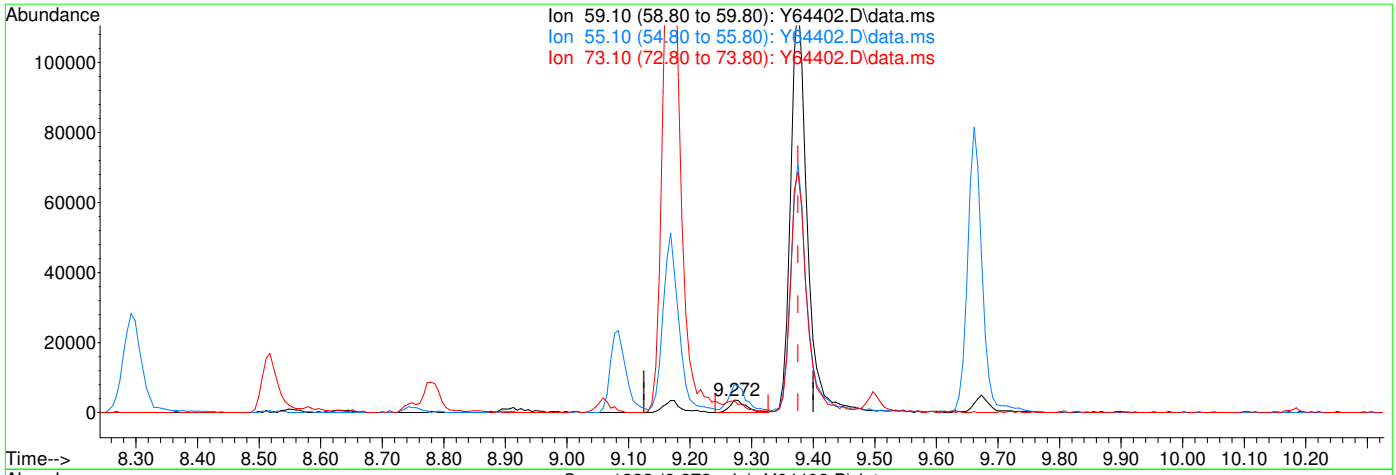
response 65223

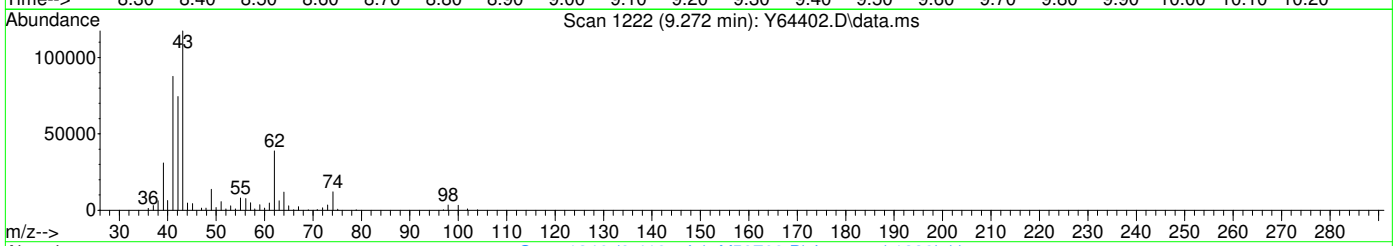
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	193.69
43.10	151.00	154.60
41.10	129.70	137.30

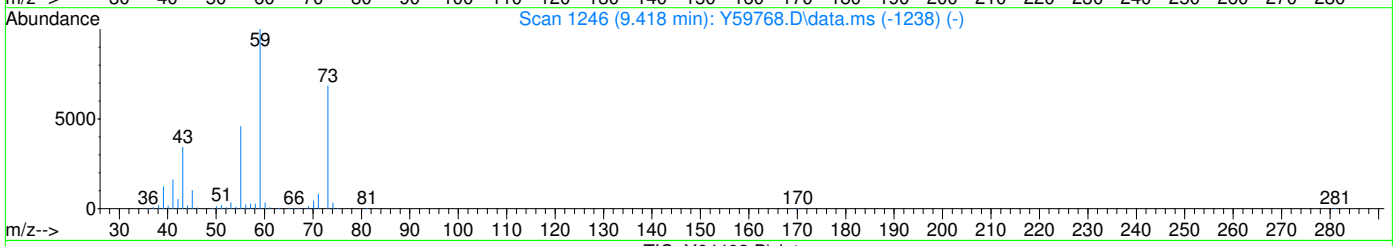
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64402.D
Acq On : 1 Sep 2022 9:05 pm
Operator : joannel
Sample : FA98455-4MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 02:12:02 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64402.D\data.ms

(52) Tert Amyl Alcohol

9.272min (-0.103) 8.96ug/L

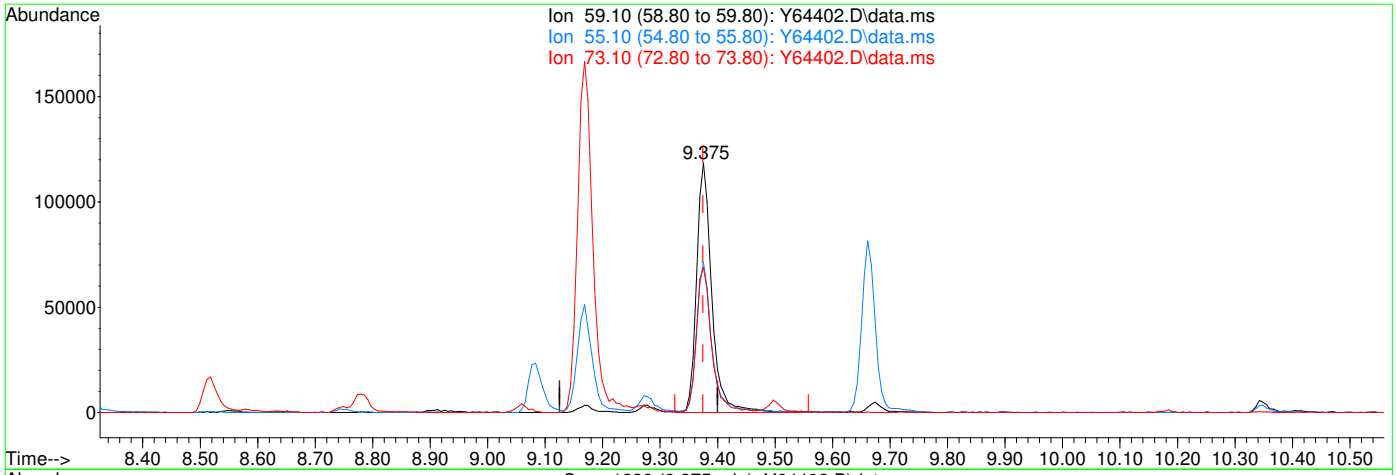
response 6715

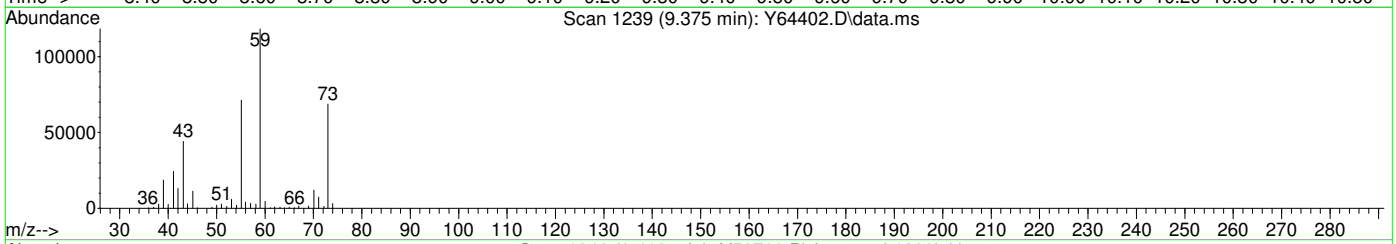
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	198.09#
73.10	59.00	80.08
0.00	0.00	0.00

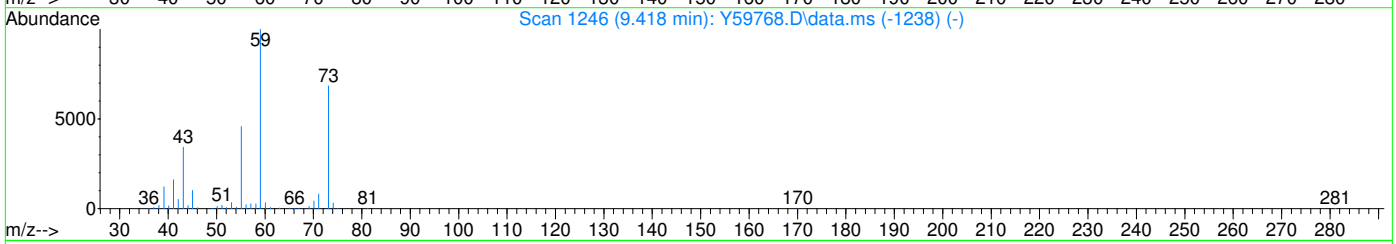
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64402.D
Acq On : 1 Sep 2022 9:05 pm
Operator : joannel
Sample : FA98455-4MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 02:12:02 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64402.D\data.ms

(52) Tert Amyl Alcohol

9.375min (+0.000) 259.81ug/L m

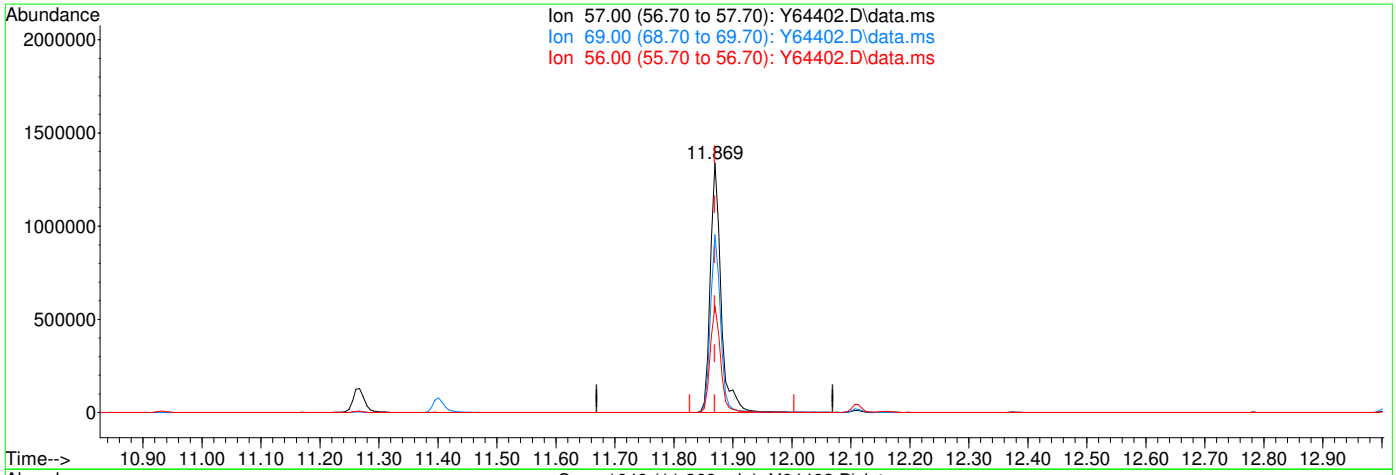
response 219433

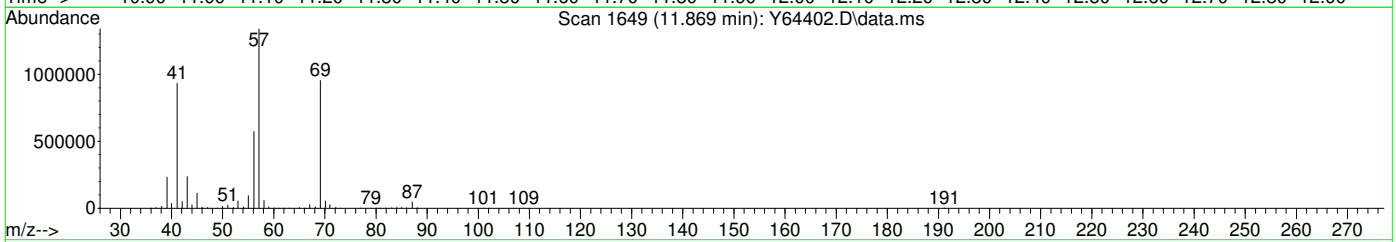
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	60.18
73.10	59.00	58.08
0.00	0.00	0.00

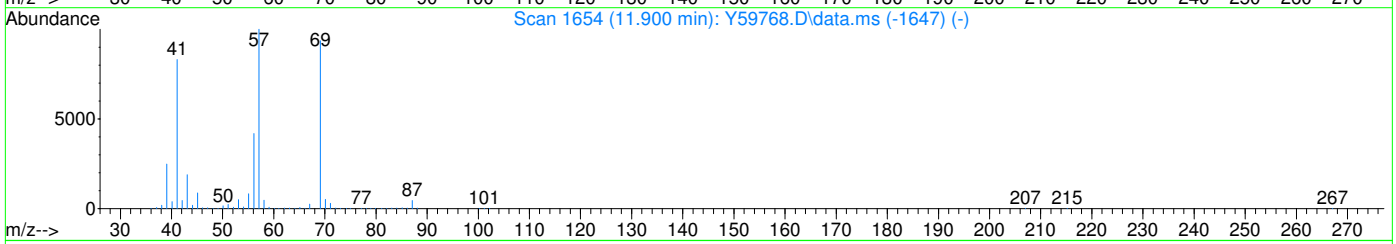
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64402.D
Acq On : 1 Sep 2022 9:05 pm
Operator : joannel
Sample : FA98455-4MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 02:12:02 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64402.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (+0.000) 1231.16ug/L

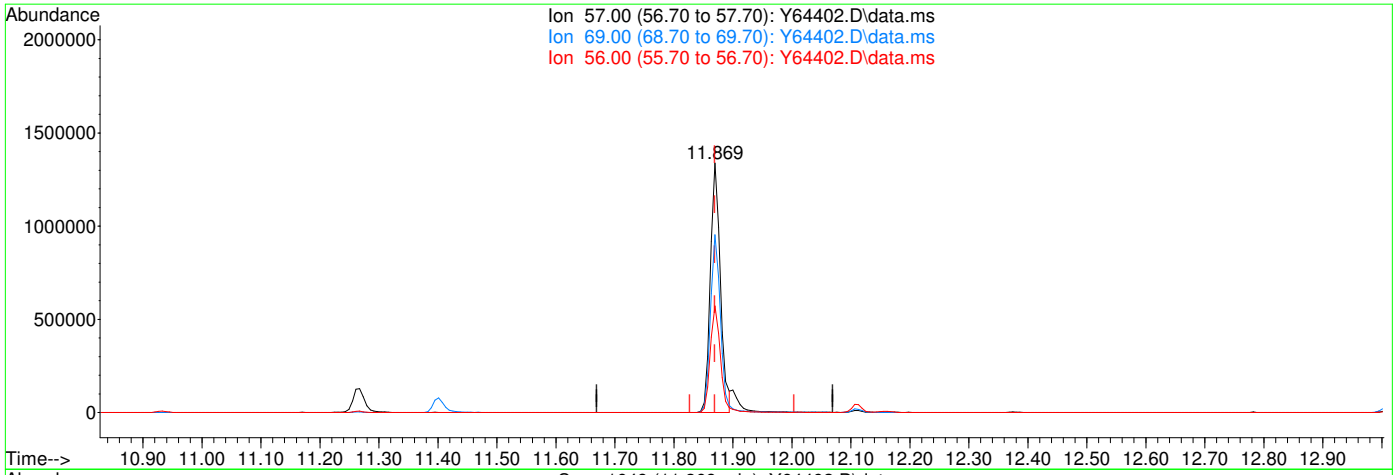
response 1706422

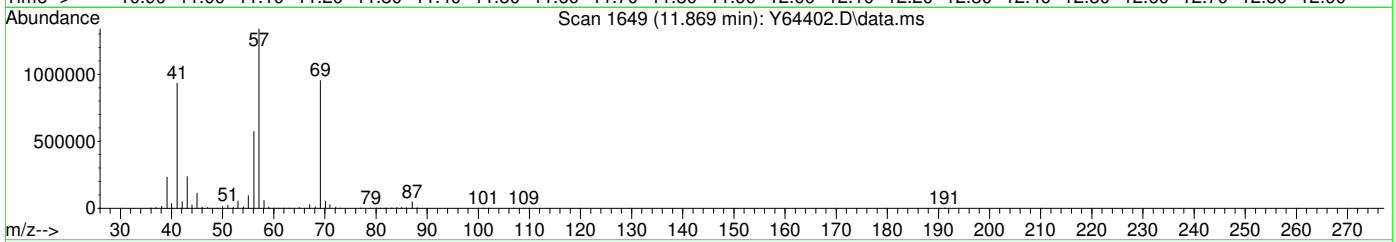
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	71.22
56.00	42.20	42.70
0.00	0.00	0.00

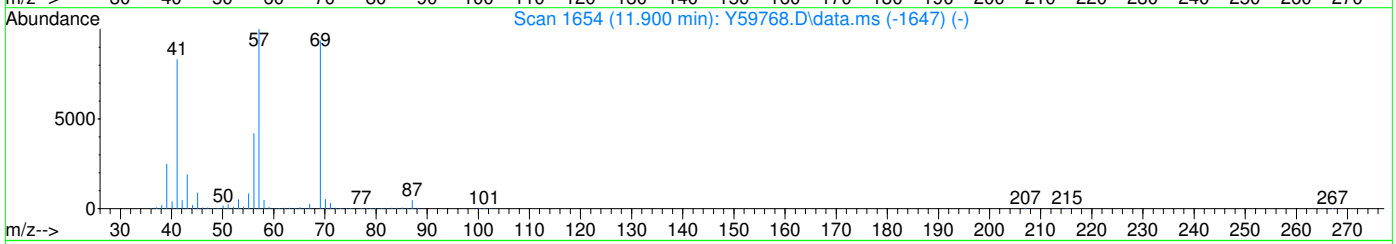
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64402.D
Acq On : 1 Sep 2022 9:05 pm
Operator : joannel
Sample : FA98455-4MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 02:12:02 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64402.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (+0.000) 1147.68ug/L m

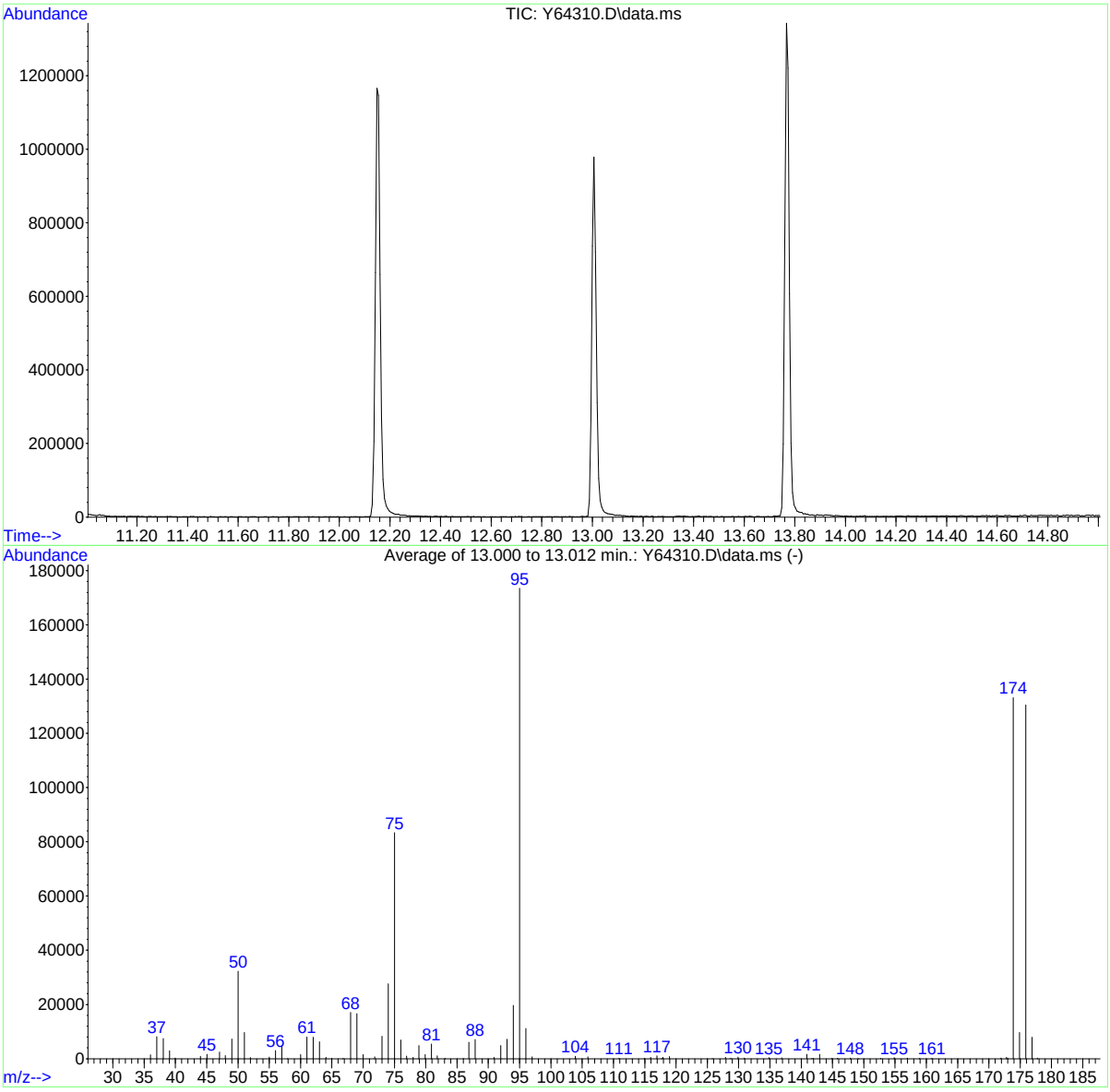
response 1579044

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	71.22
56.00	42.20	42.70
0.00	0.00	0.00

Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\2022-08-29\Y64310.D Vial: 2
Acq On : 29 Aug 2022 12:11 pm Operator: joannel
Sample : BFB Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



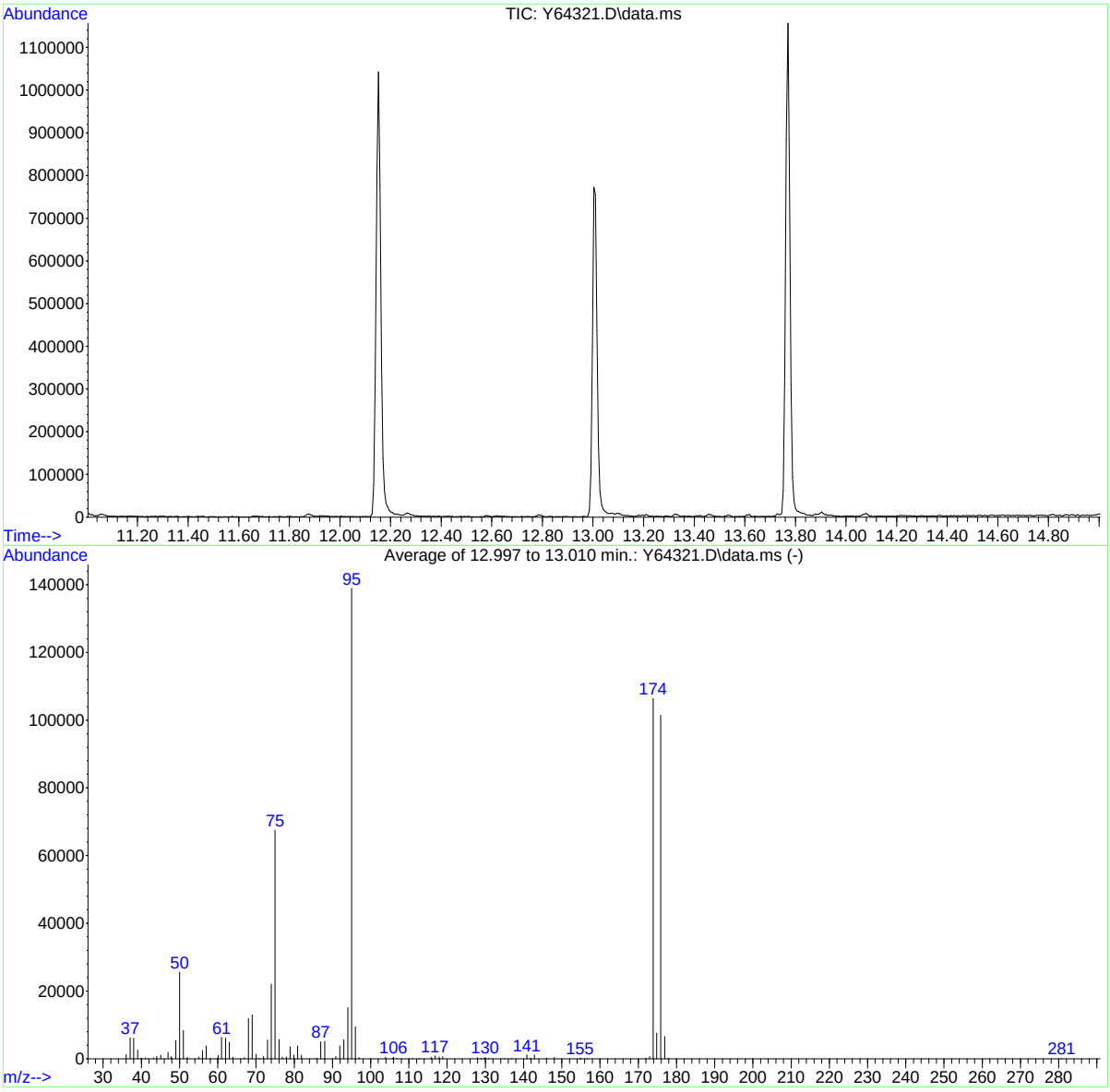
AutoFind: Scans 1835, 1836, 1837; Background Corrected with Scan 1827

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.6	32288	PASS
75	95	30	60	48.0	83378	PASS
95	95	100	100	100.0	173525	PASS
96	95	5	9	6.4	11168	PASS
173	174	0.00	2	0.4	482	PASS
174	95	50	100	76.8	133221	PASS
175	174	5	9	7.3	9708	PASS
176	174	95	101	97.9	130461	PASS
177	176	5	9	6.1	7943	PASS

Y64310.D APPIX_08-29-2022_Y.M Tue Aug 30 15:12:13 2022

Methods: SW-846 8260B
Data File : C:\msdchem\1\DATA\2022-08-30\Y64321.D Vial: 1
Acq On : 30 Aug 2022 10:47 am Operator: joannel
Sample : BFB Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1834, 1835, 1836; Background Corrected with Scan 1828

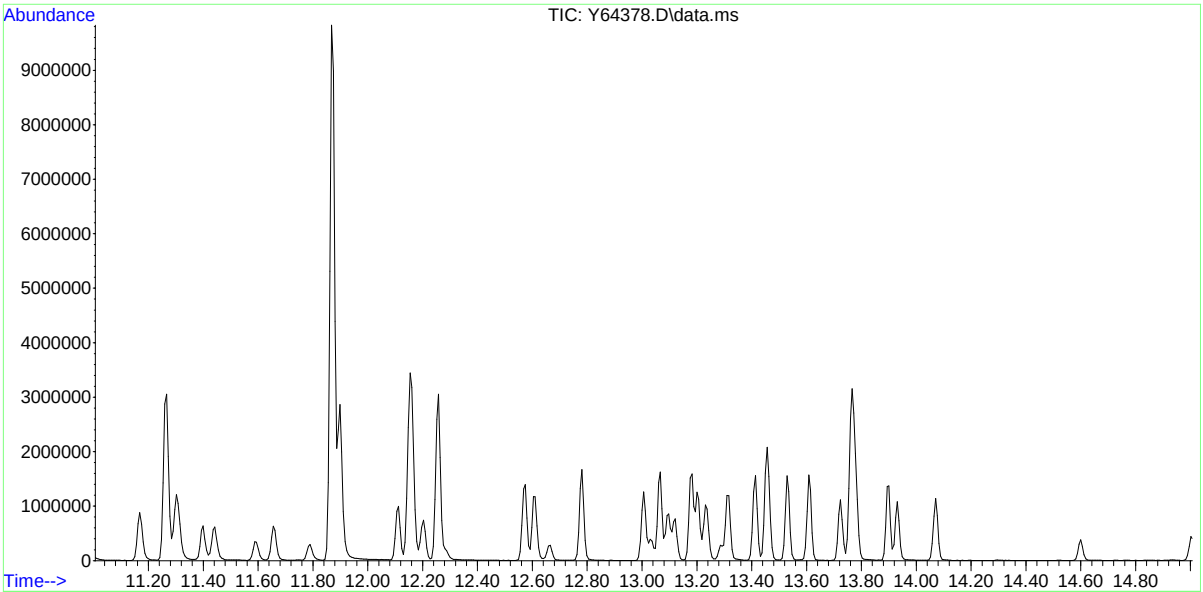
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	25536	PASS
75	95	30	60	48.6	67536	PASS
95	95	100	100	100.0	138954	PASS
96	95	5	9	6.8	9434	PASS
173	174	0.00	2	0.6	622	PASS
174	95	50	100	76.6	106418	PASS
175	174	5	9	7.1	7583	PASS
176	174	95	101	95.4	101480	PASS
177	176	5	9	6.5	6567	PASS

Y64321.D APPIX_08-29-2022_Y.M Tue Aug 30 15:21:08 2022

Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\2022-09-01\Y64378.D Vial: 2
Acq On : 1 Sep 2022 11:07 am Operator: joannel
Sample : BFB Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1835, 1836, 1837; Background Corrected with Scan 1829

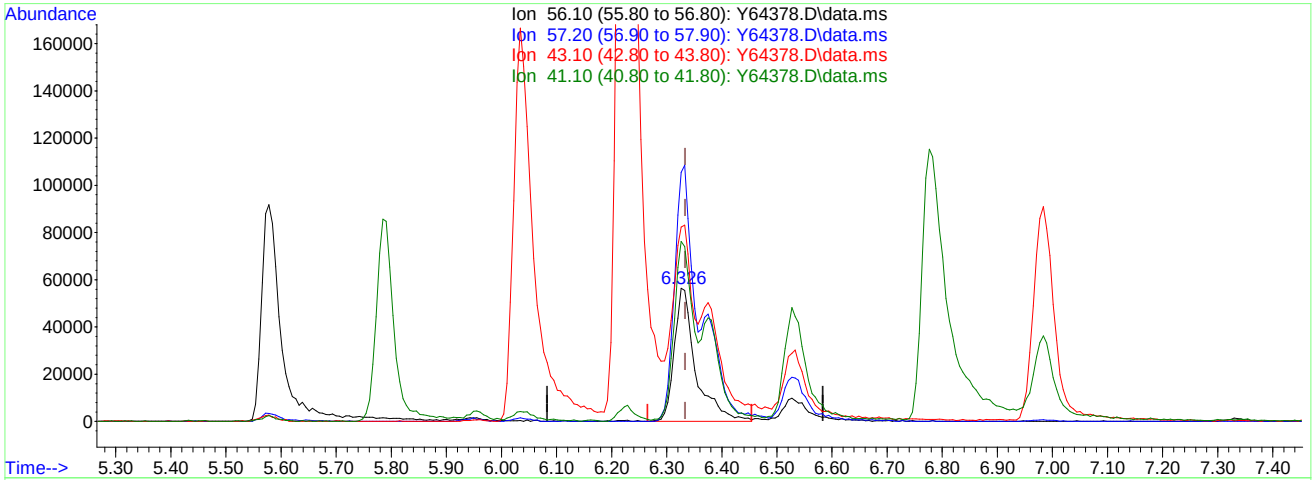
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	41117	PASS
75	95	30	60	47.8	104888	PASS
95	95	100	100	100.0	219520	PASS
96	95	5	9	6.6	14524	PASS
173	174	0.00	2	0.6	1081	PASS
174	95	50	100	78.4	172138	PASS
175	174	5	9	7.1	12220	PASS
176	174	95	101	96.7	166464	PASS
177	176	5	9	6.8	11242	PASS

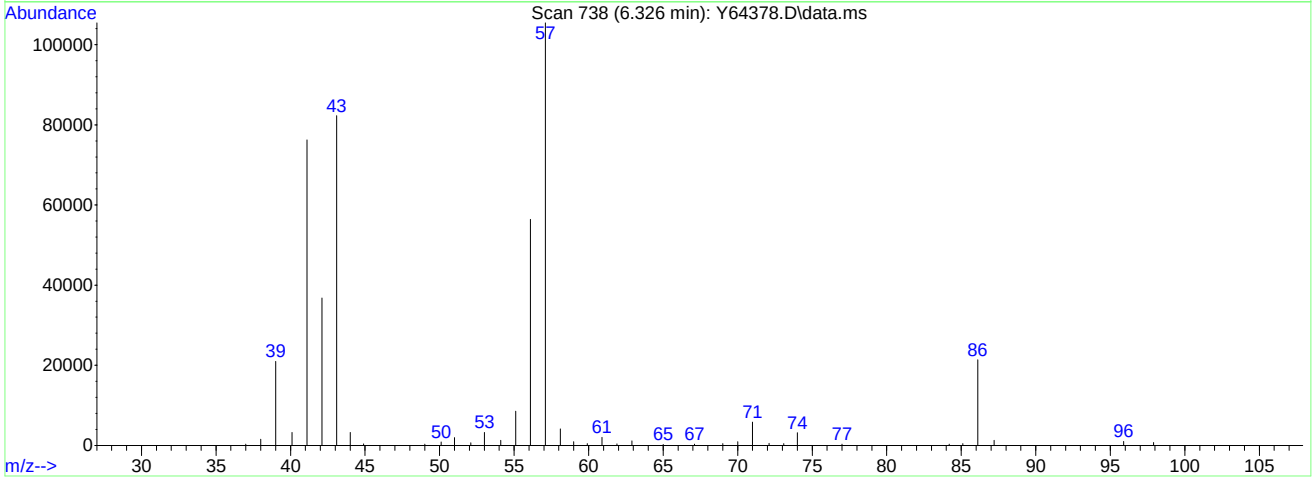
Y64378.D APPIX_08-29-2022_Y.M Thu Sep 01 11:27:43 2022

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(22) Hexane

6.326min (-0.007) 58.52ug/L

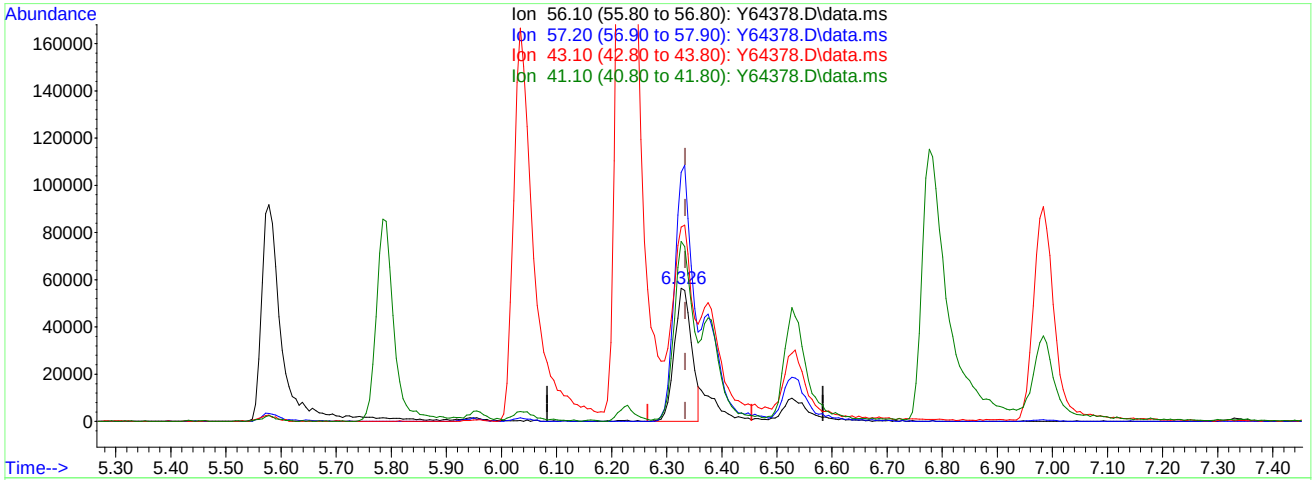
response 153126

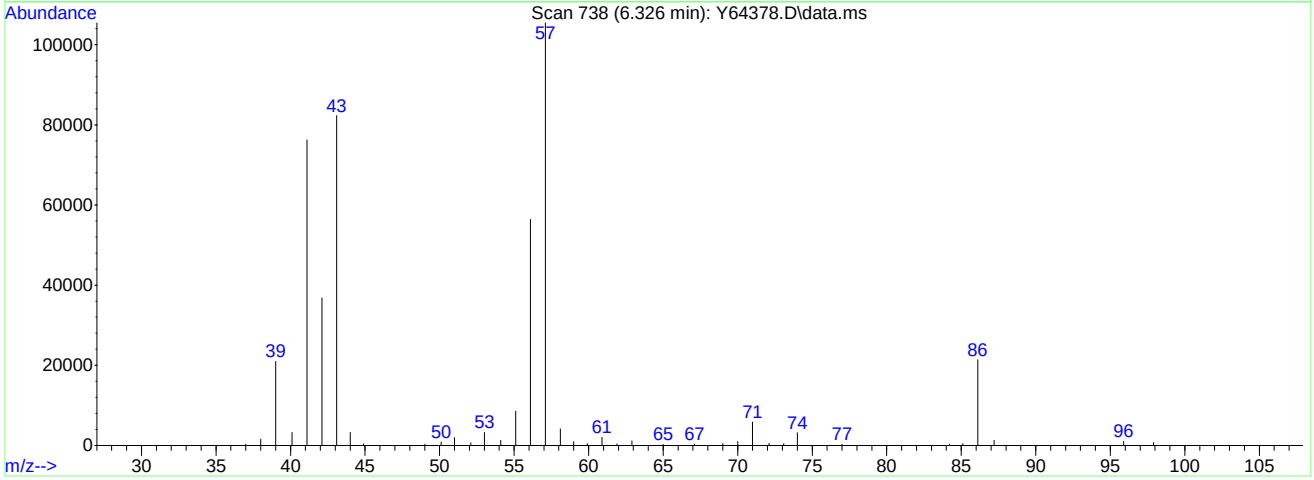
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	186.93
43.10	151.00	133.93
41.10	129.70	133.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(22) Hexane

6.326min (-0.007) 46.75ug/L m

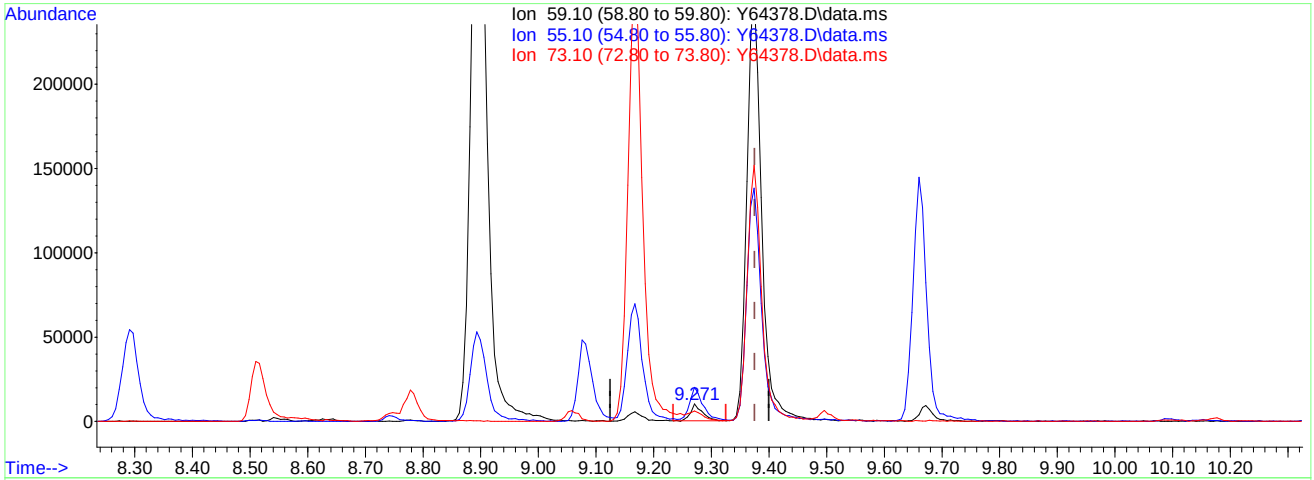
response 122342

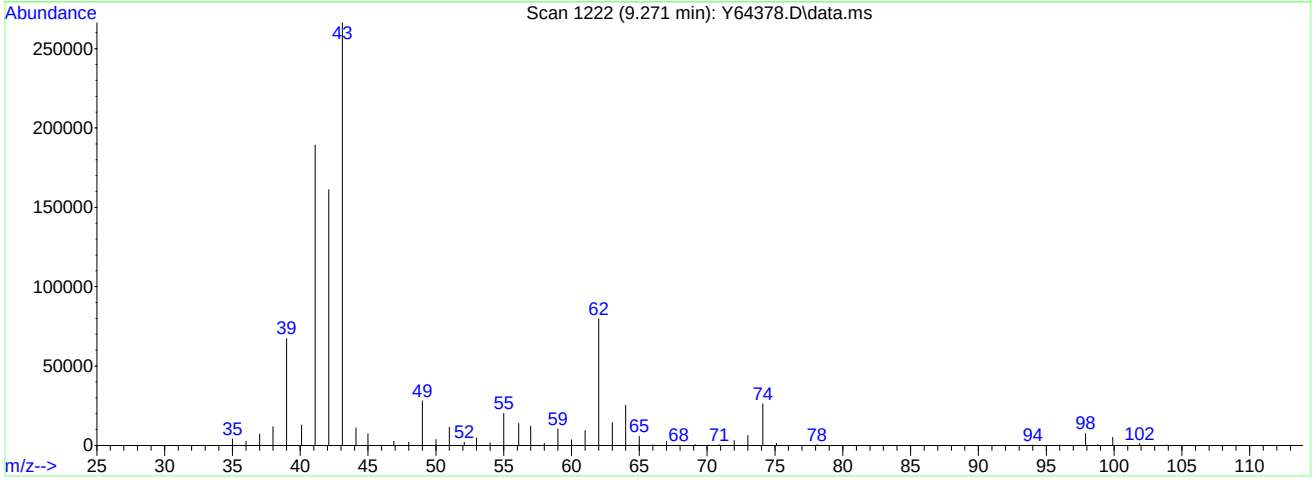
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	186.93
43.10	151.00	145.85
41.10	129.70	135.10

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(52) Tert Amyl Alcohol

9.271min (-0.104) 16.68ug/L

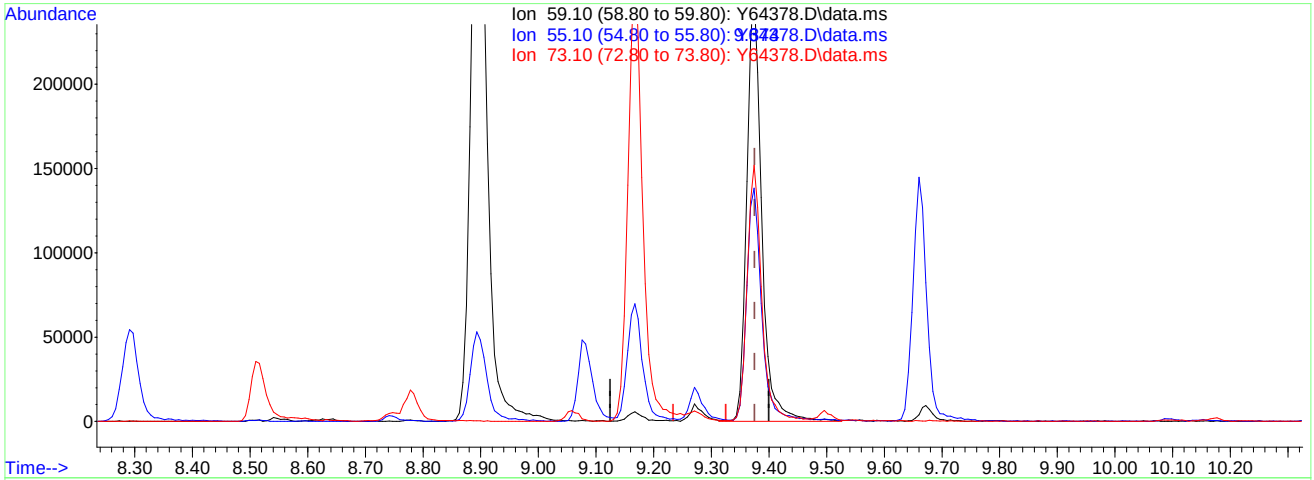
response 14625

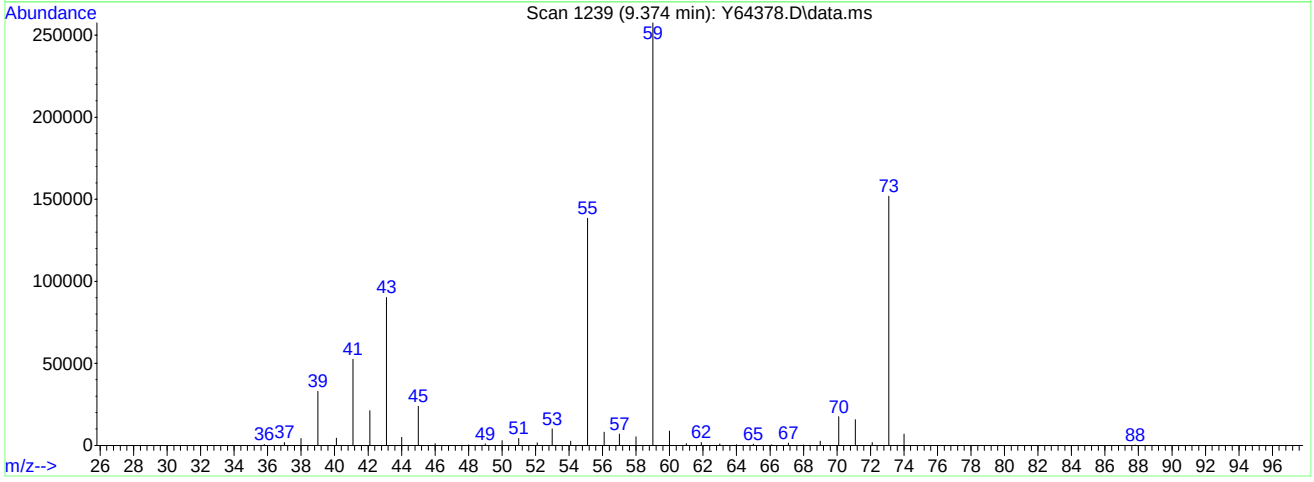
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	192.80#
73.10	59.00	55.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(52) Tert Amyl Alcohol

9.374min (-0.001) 430.15ug/L m

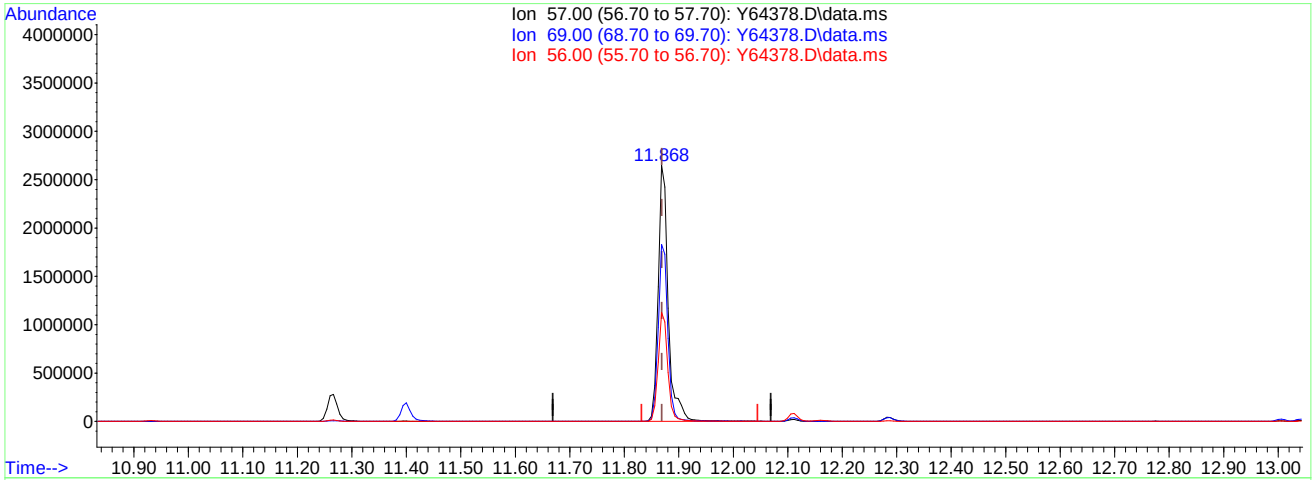
response 455842

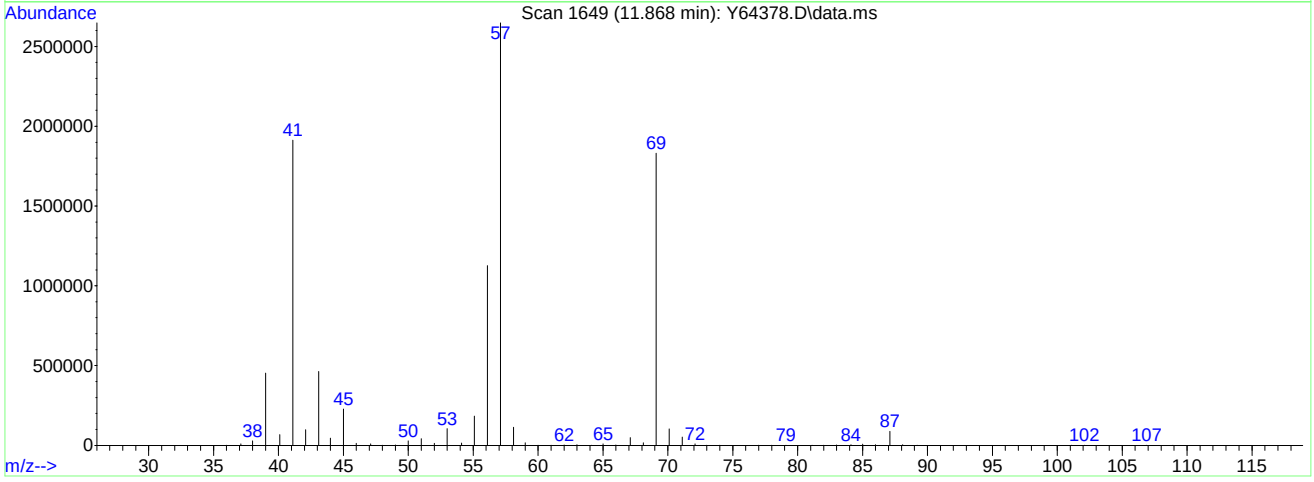
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	53.71
73.10	59.00	58.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.868min (-0.001) 1998.29ug/L

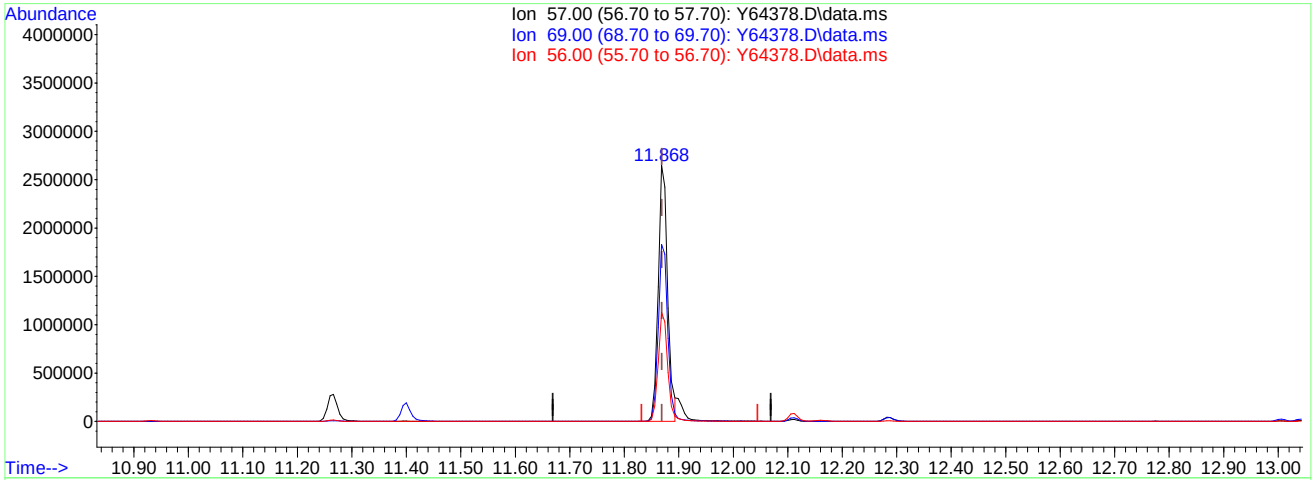
response 3428815

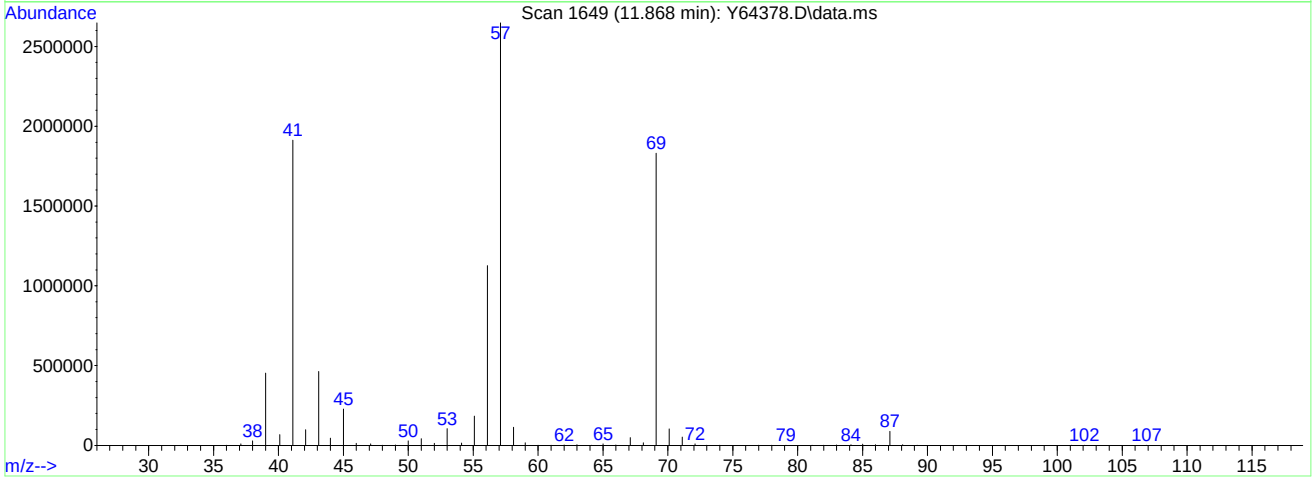
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	69.12
56.00	42.20	42.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.868min (-0.001) 1875.09ug/L m

response 3184783

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	69.15
56.00	42.20	42.51
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:45:07 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	9.497	96	675482	50.00	ug/L		0.00
62) Chlorobenzene-d5	12.150	117	548327	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	262346	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.603	113	144495	47.33	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.66%				
49) 1,2-Dichloroethane-d4	9.205	65	181738	47.92	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.84%				
63) Toluene-d8	10.933	98	675098	48.48	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.96%				
86) 4-Bromofluorobenzene	13.008	174	201243	50.09	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.18%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.848	85	3808	1.35	ug/L		94
3) Acrolein	5.598	56	2593	2.40	ug/L		73
4) Chloromethane	3.171	50	4503	1.05	ug/L		87
5) 1,3-butadiene	3.341	39	3276	0.88	ug/L		100
6) Vinyl Chloride	3.304	62	5272	1.27	ug/L		94
8) Chloroethane	4.034	64	3032	2.68	ug/L		99
9) Trichlorofluoromethane	4.259	101	4770	1.02	ug/L		100
10) Ethyl Ether	4.746	59	2901	1.01	ug/L	#	84
12) 1,2-Dichlorotrifluoroe...	5.032	67	3334	1.16	ug/L	#	76
13) 1,1-Dichloroethene	5.056	61	4453	1.04	ug/L		95
14) Freon 113	5.111	101	3041	1.08	ug/L	#	83
15) Carbon Disulfide	5.111	76	8476	1.01	ug/L		93
17) Allyl chloride	5.799	41	2824	0.60	ug/L		89
18) Methylene Chloride	5.963	49	30449	6.19	ug/L		97
19) Acetone	6.060	43	14197	6.23	ug/L		91
20) Methyl acetate	6.249	43	17365	3.95	ug/L		91
21) trans-1,2-Dichloroethene	6.231	61	4208	0.96	ug/L		89
22) Hexane	6.334	56	1746m	0.62	ug/L		
23) Methyl Tert Butyl Ether	6.389	73	11726	1.37	ug/L		73
24) Tert Butyl Alcohol	6.529	59	8844	6.05	ug/L		92
25) Acetonitrile	6.821	41	4950	5.47	ug/L	#	71
26) Di-isopropyl ether	6.991	45	11043	1.03	ug/L		96
27) Chloroprene	7.338	53	3130	0.67	ug/L	#	50
28) 1,1-Dichloroethane	7.210	63	5663	1.01	ug/L		83
29) Acrylonitrile	7.338	53	3130	1.47	ug/L		91
30) ETBE	7.587	59	11130	1.10	ug/L		81
31) Vinyl acetate	7.630	43	19205m	2.25	ug/L		
32) cis-1,2-Dichloroethene	8.043	96	3906	1.13	ug/L	#	76
33) 2,2-Dichloropropane	8.171	77	4358	0.98	ug/L		79
34) Bromochloromethane	8.305	128	1981	1.26	ug/L	#	57
35) Cyclohexane	8.293	56	5800	0.91	ug/L	#	85
36) Chloroform	8.384	83	5771	1.16	ug/L		89
37) Ethyl acetate	8.530	43	23951	3.71	ug/L		96
38) Tetrahydrofuran	8.597	42	3476	1.30	ug/L	#	77
40) Carbon Tetrachloride	8.554	117	3235	0.85	ug/L		82
41) 1,1,1-Trichloroethane	8.633	97	4842	1.07	ug/L		76
42) 2-Butanone	8.761	43	21178	5.73	ug/L		92
43) 1,1-Dichloropropene	8.792	75	4057	0.96	ug/L		84
44) tert-Butyl formate	8.901	59	14184	5.21	ug/L	#	84
45) Propionitrile	9.096	54	7519	6.29	ug/L		93
46) Methacrylonitrile	9.108	41	26536	6.85	ug/L		97
47) Benzene	9.065	78	14820	1.12	ug/L		94
48) TAME	9.175	73	11585	1.36	ug/L		85
50) Isobutyl Alcohol	9.284	42	2735	8.51	ug/L		89
51) 1,2-Dichloroethane	9.284	62	4734	1.07	ug/L		85
52) Tert Amyl Alcohol	9.382	59	6675m	7.75	ug/L		
53) Trichloroethene	9.686	95	3374	1.04	ug/L		79
54) Methylcyclohexane	9.668	83	5141	0.87	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:45:07 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

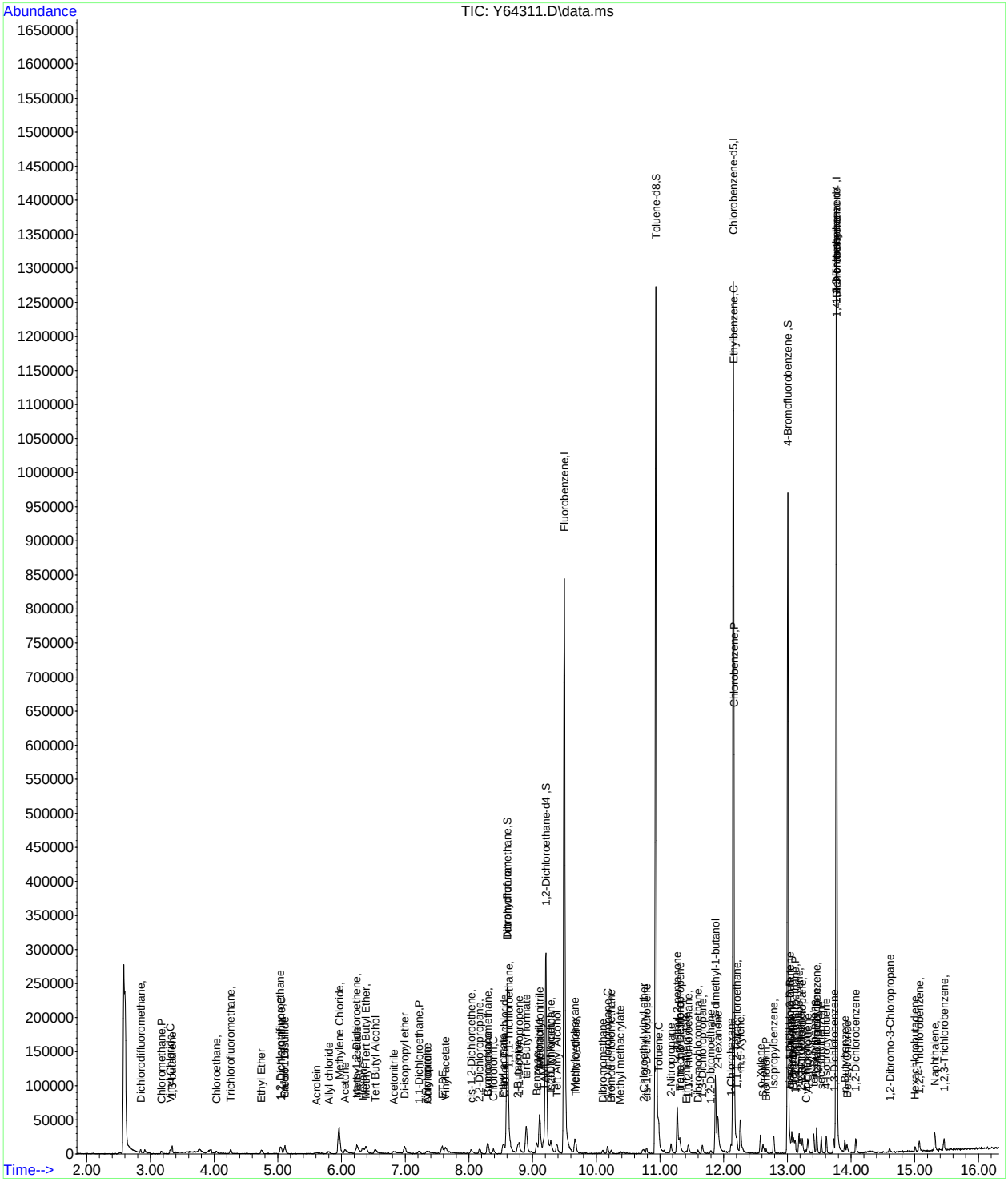
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
55) Dibromomethane	10.106	93	1951	1.03	ug/L		85
56) 1,2-Dichloropropane	10.179	63	3489	1.00	ug/L		93
57) Bromodichloromethane	10.233	83	3204	0.89	ug/L		100
58) Methyl methacrylate	10.373	41	1277	0.30	ug/L		92
60) 2-Chloroethyl vinyl ether	10.744	63	3591	6.57	ug/L		80
61) cis-1,3-Dichloropropene	10.793	75	3400	0.71	ug/L		90
64) Toluene	10.982	91	17188	1.12	ug/L		87
65) 2-Nitropropane	11.176	41	6920	3.64	ug/L	#	73
66) 4-Methyl-2-pentanone	11.268	43	47077	6.32	ug/L		94
67) trans-1,3-Dichloropropene	11.316	75	2704	0.60	ug/L		79
68) Tetrachloroethene	11.310	166	3669	0.95	ug/L		77
69) Ethyl methacrylate	11.414	69	2174	0.42	ug/L		83
70) 1,1,2-Trichloroethane	11.444	83	3062	1.21	ug/L		91
71) Dibromochloromethane	11.596	129	2704	0.83	ug/L		91
72) 1,3-Dichloropropane	11.669	76	6781	1.21	ug/L		85
73) 1,2-Dibromoethane	11.797	107	3607	1.08	ug/L	#	60
74) 3,3-dimethyl-1-butanol	11.870	57	43022	28.07	ug/L		98
75) 2-hexanone	11.906	43	32337	5.89	ug/L		89
76) 1-Chlorohexane	12.119	91	3767	0.75	ug/L	#	73
77) Ethylbenzene	12.162	91	16962	0.95	ug/L		86
78) Chlorobenzene	12.168	112	10338	1.05	ug/L		90
79) 1,1,1,2-Tetrachloroethane	12.204	131	2974	0.87	ug/L		85
80) m,p-Xylene	12.259	91	25273	1.85	ug/L		95
81) o-Xylene	12.576	91	11904	0.89	ug/L		99
82) Styrene	12.618	104	7299	0.72	ug/L		93
83) Bromoform	12.667	173	1570	0.69	ug/L		86
84) Isopropylbenzene	12.782	105	15020	0.91	ug/L		94
87) cis-1,4-Dichloro-2-butene	13.044	53	1173	0.62	ug/L	#	22
88) n-Propylbenzene	13.068	91	18157	0.97	ug/L		94
89) Bromobenzene	13.099	156	4245	1.18	ug/L		88
90) 1,1,2,2-Tetrachloroethane	13.123	83	5817	1.17	ug/L		91
91) 1,3,5-Trimethylbenzene	13.178	105	11799	0.91	ug/L		85
92) 2-Chlorotoluene	13.208	91	12923	1.05	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.044	53	1173	0.69	ug/L		88
94) 1,2,3-Trichloropropane	13.233	110	2503	1.48	ug/L		90
95) Cyclohexanone	13.293	55	1441m	2.94	ug/L		
96) 4-Chlorotoluene	13.324	91	11205	1.02	ug/L		100
97) tert-Butylbenzene	13.415	91	7069	0.97	ug/L		97
98) 1,2,4-Trimethylbenzene	13.458	105	12361	0.97	ug/L		94
99) Pentachloroethane	13.464	167	1311	0.64	ug/L	#	91
100) sec-Butylbenzene	13.531	105	13001	0.82	ug/L		97
101) 4-Isopropyltoluene	13.610	119	11228	0.81	ug/L		95
102) 1,3-Dichlorobenzene	13.731	146	7419	1.09	ug/L		85
103) 1,2,3-Trimethylbenzene	13.762	105	12576	0.99	ug/L	#	65
104) 1,4-Dichlorobenzene	13.780	146	8556m	1.19	ug/L		
105) n-Butylbenzene	13.902	92	6372	0.94	ug/L		98
106) Benzyl Chloride	13.938	126	1145m	0.53	ug/L		
107) 1,2-Dichlorobenzene	14.072	146	6788	1.02	ug/L		98
108) 1,2-Dibromo-3-Chloropr...	14.607	75	1282m	0.94	ug/L		
109) Hexachlorobutadiene	15.003	225	923m	0.59	ug/L		
110) 1,2,4-Trichlorobenzene	15.076	180	4608	1.05	ug/L		83
111) Naphthalene	15.313	128	19485	1.04	ug/L		85
112) 1,2,3-Trichlorobenzene	15.459	180	4942	1.14	ug/L		86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:45:07 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

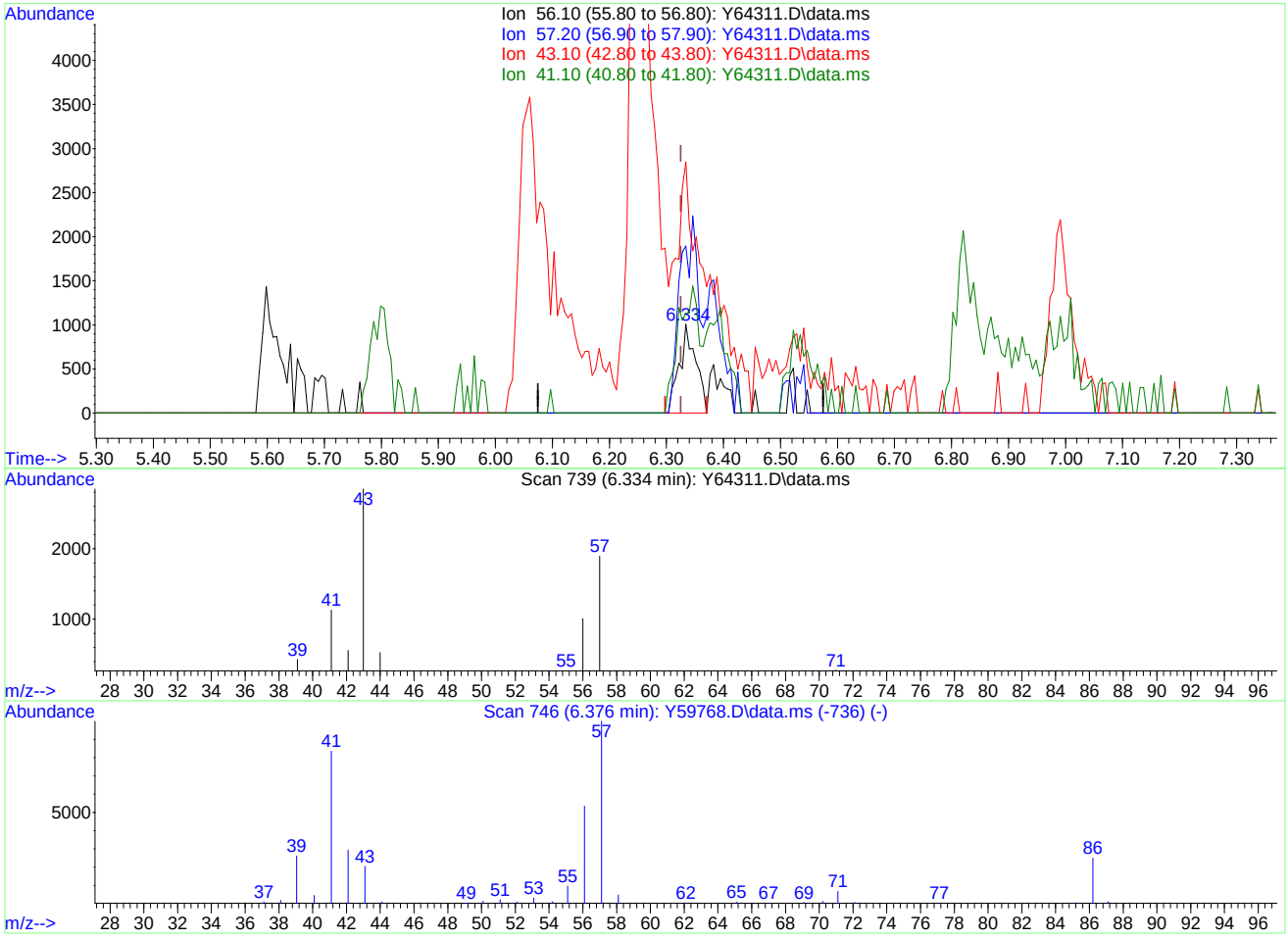
Sample Number: VY2666-IC2666
Lab FileID: Y64311.D
Injection Time: 08/29/22 13:05
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Vinyl Acetate	108-05-4		7.63	Missed peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
Cyclohexanone	108-94-1		13.29	Poor instrument integration
1,4-Dichlorobenzene	106-46-7		13.78	Missed peak
Benzyl Chloride	100-44-7		13.94	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		14.61	Missed peak
Hexachlorobutadiene	87-68-3		15.00	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:33:46 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64311.D\data.ms

(22) Hexane

6.334min (+0.009) 0.72ug/L

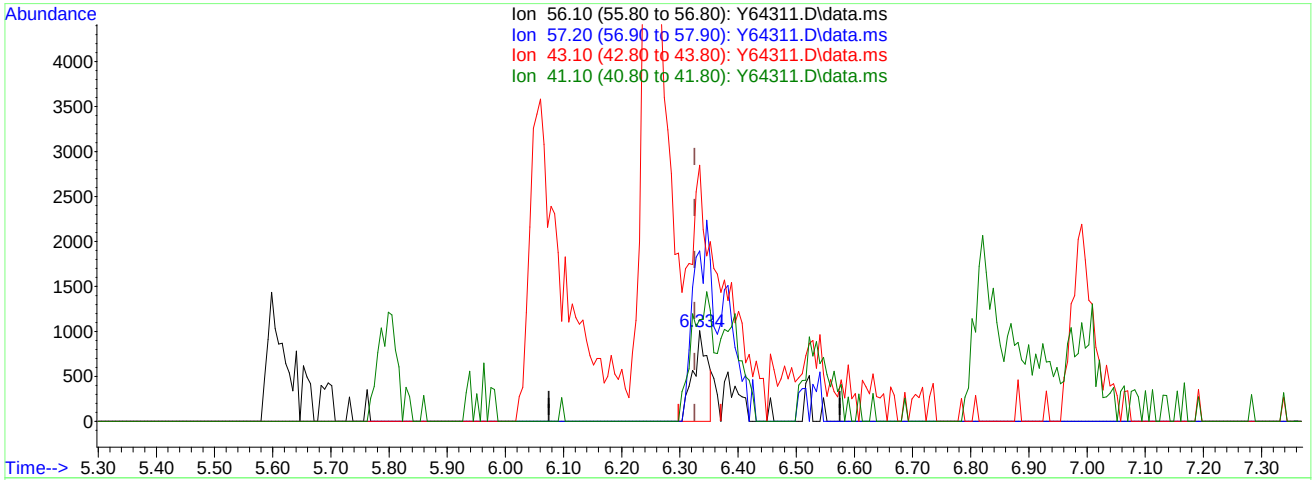
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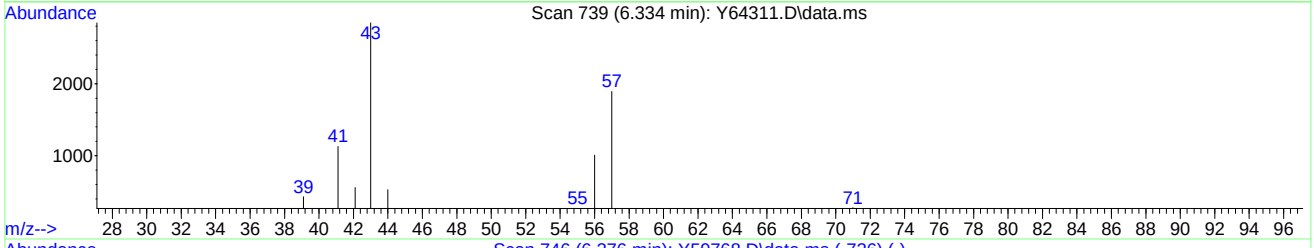
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	187.90
43.10	76.70	140.18#
41.10	144.30	112.20#

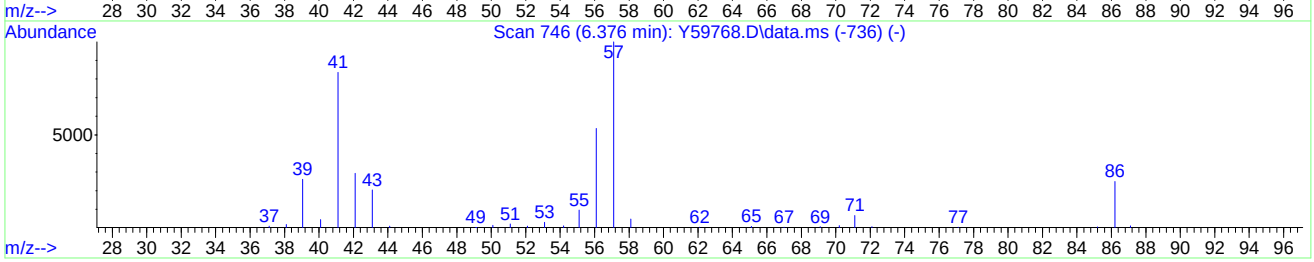
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:33:46 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(22) Hexane

6.334min (+0.009) 0.62ug/L m

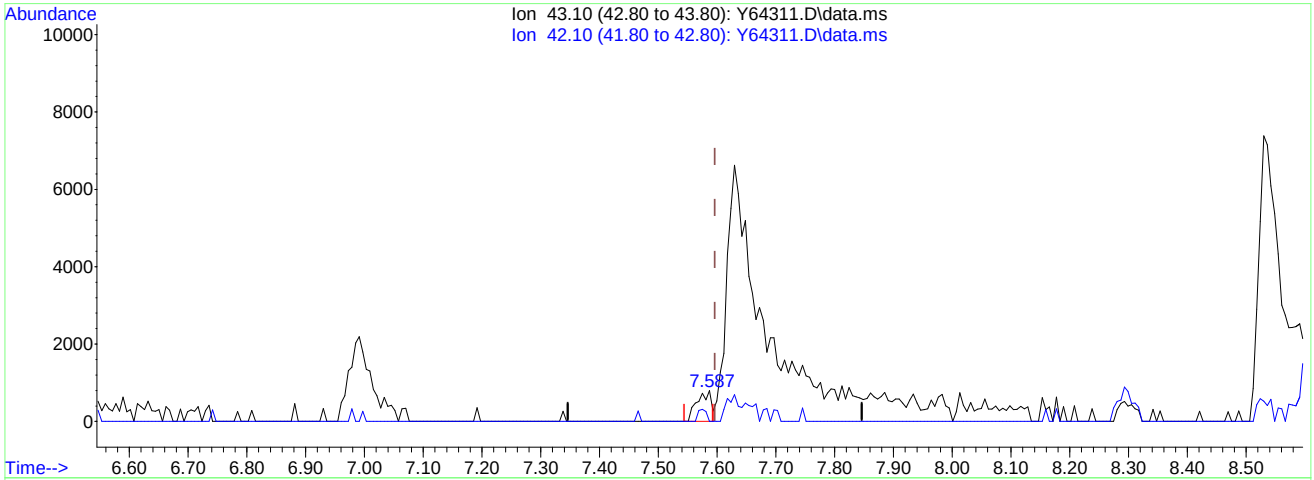
response 1746

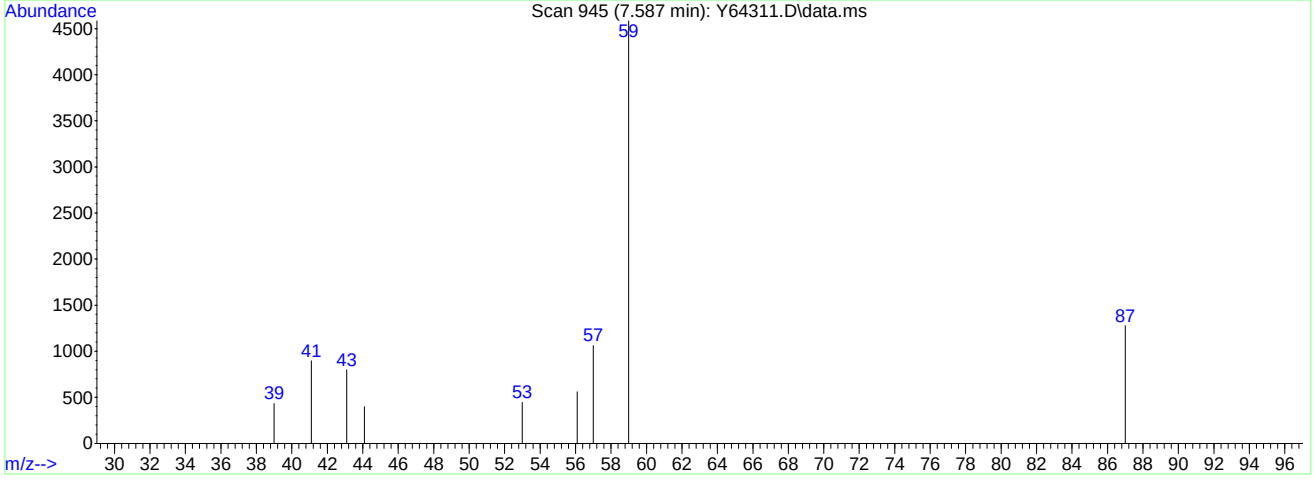
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	187.90
43.10	76.70	282.44#
41.10	144.30	112.20#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:38:06 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(31) Vinyl acetate

7.587min (-0.009) 0.16ug/L

response 1353

Ion	Exp%	Act%
43.10	100	100
42.10	8.40	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:38:06 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64311.D\data.ms

(31) Vinyl acetate

7.630min (+0.034) 2.25ug/L m

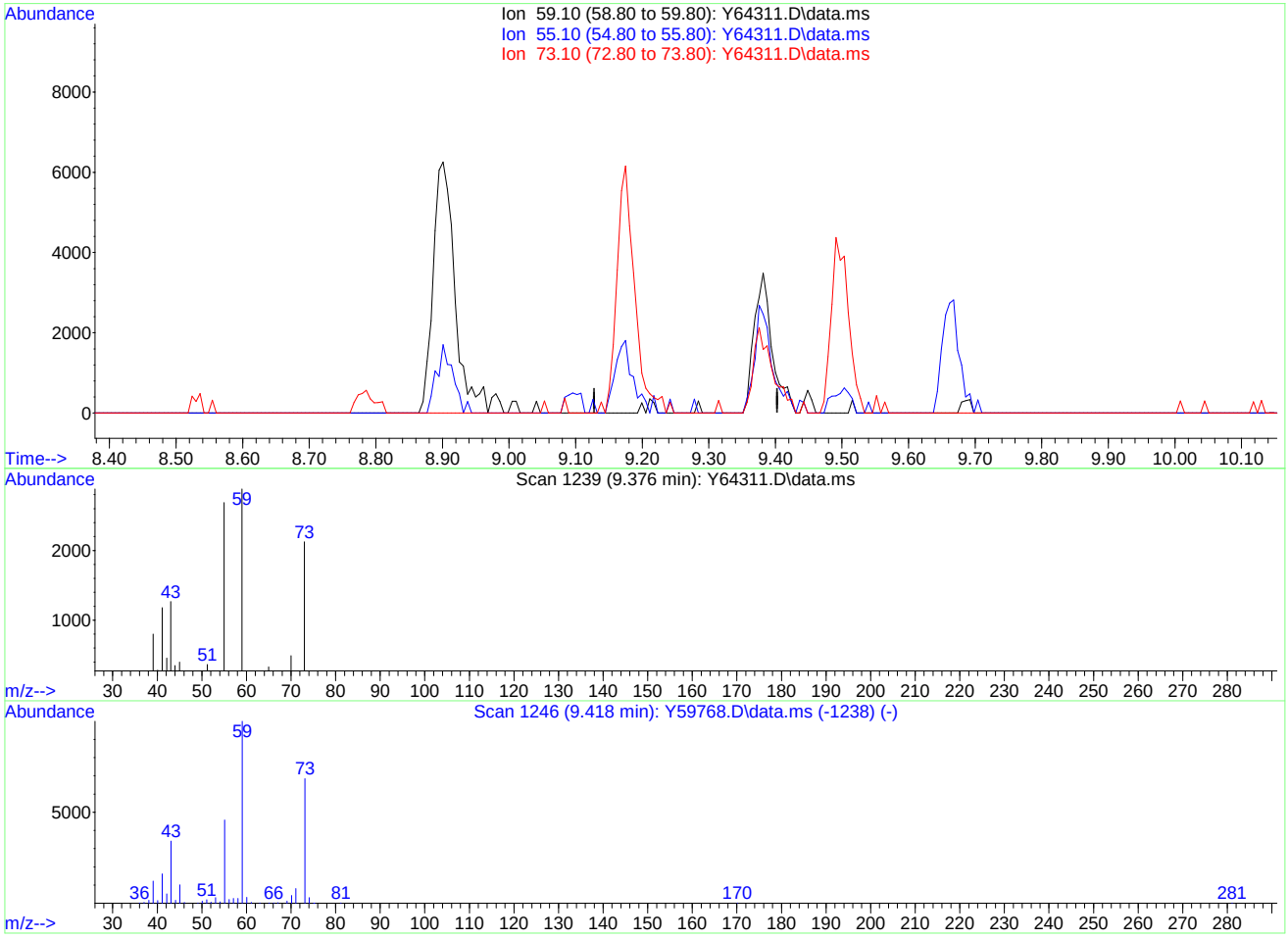
response 19205

Ion	Exp%	Act%
43.10	100	100
42.10	8.40	10.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:38:06 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
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Response via : Initial Calibration



TIC: Y64311.D\data.ms

(52) Tert Amyl Alcohol

9.378min (-9.378) 0.00ug/L

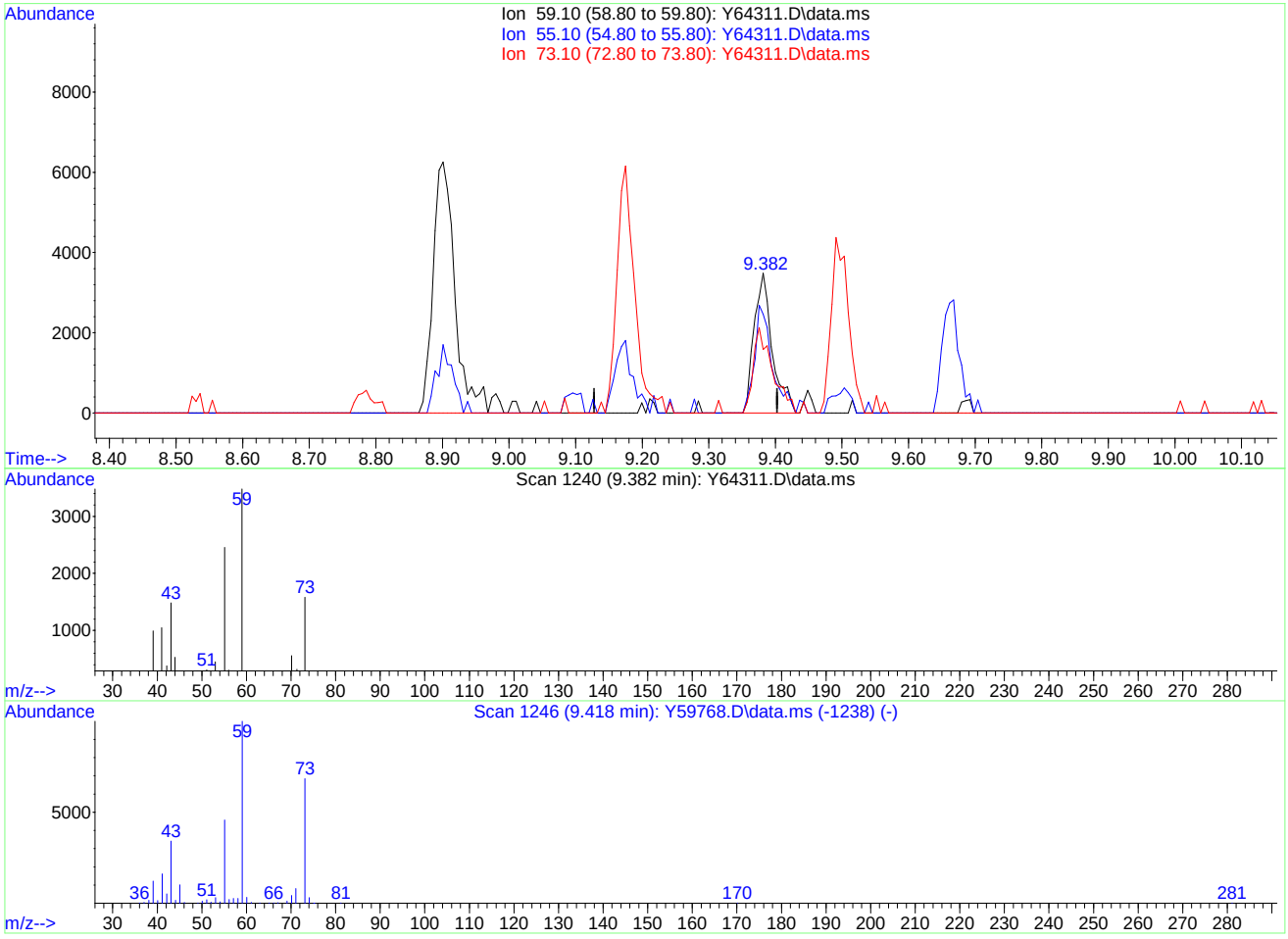
response 0

Ion	Exp%	Act%
59.10	100	0.00
55.10	52.60	0.00#
73.10	53.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:38:06 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64311.D\data.ms

(52) Tert Amyl Alcohol

9.382min (+0.004) 7.75ug/L m

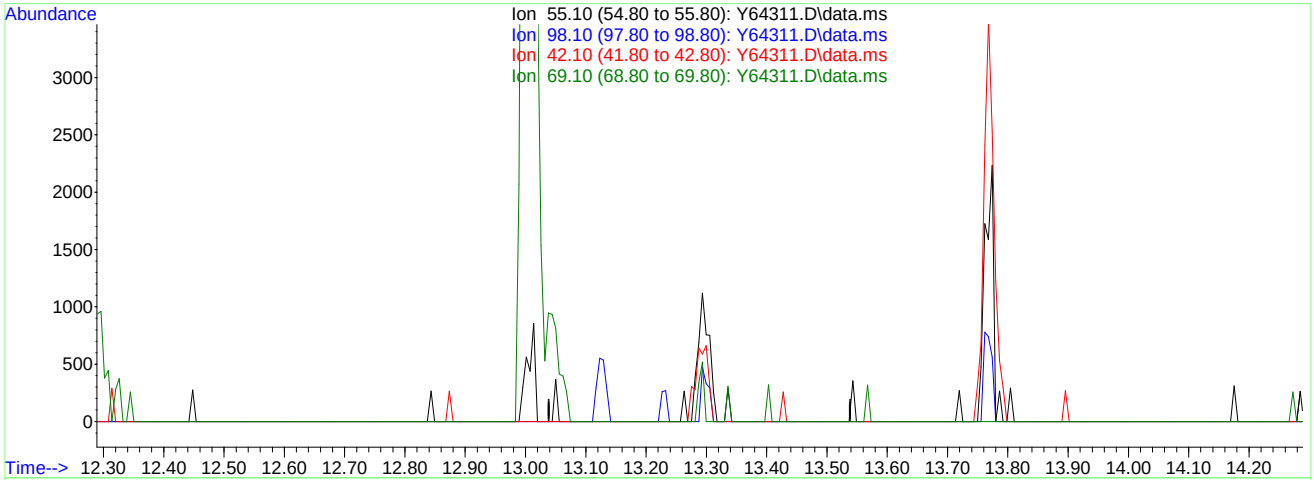
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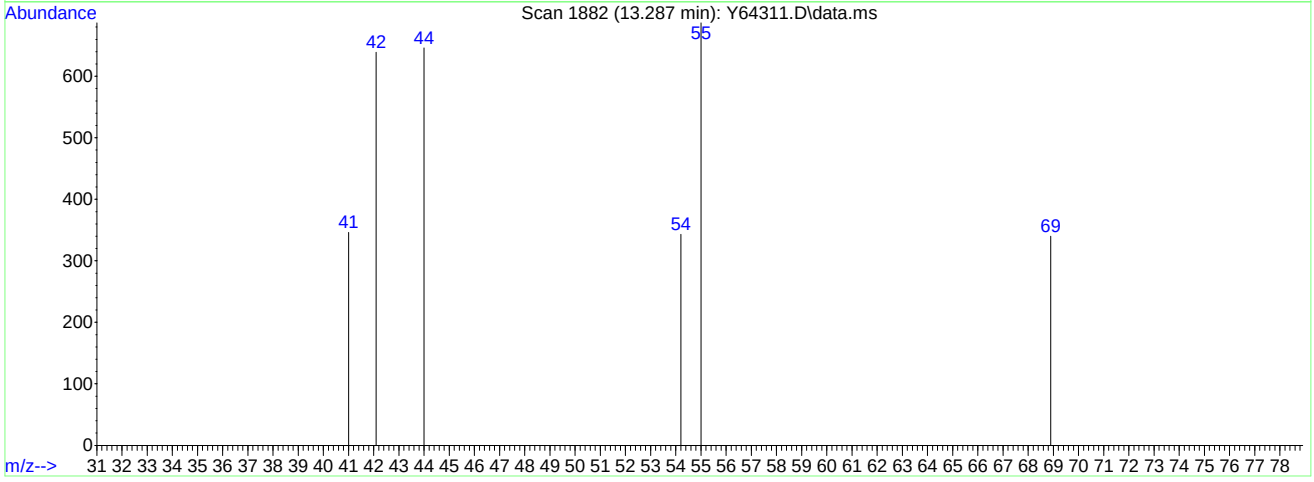
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	70.59
73.10	53.50	45.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(95) Cyclohexanone

13.289min 0.00ug/L d

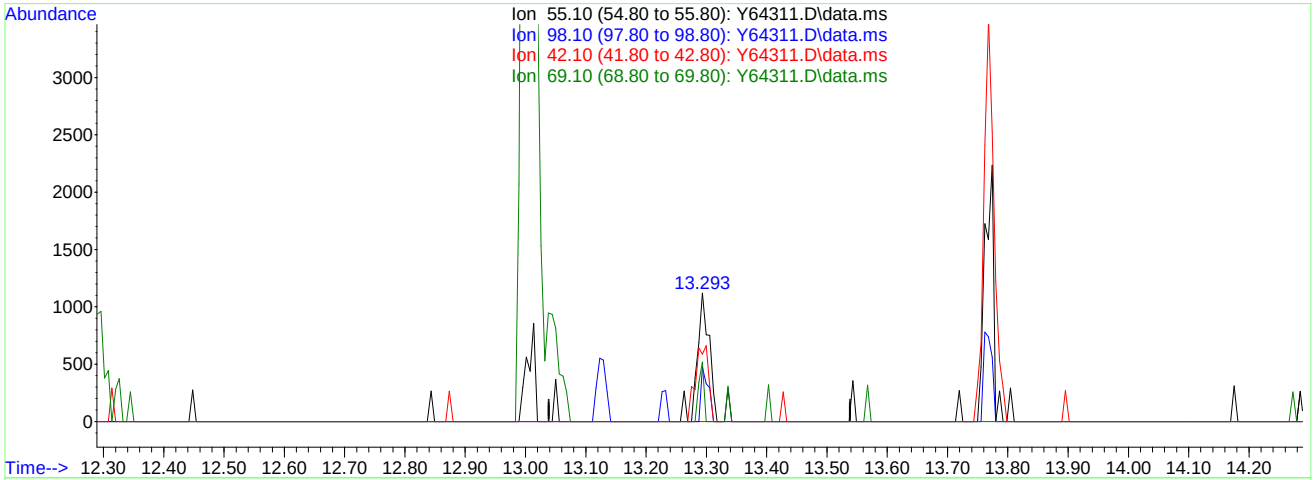
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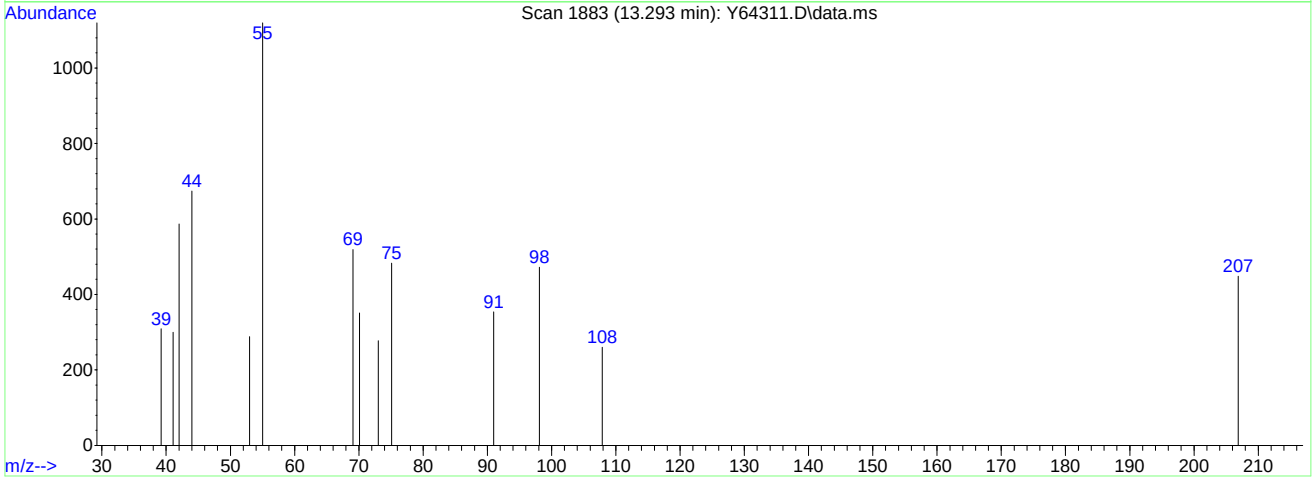
Ion	Exp%	Act%
55.10	100	0.00
98.10	46.20	0.00
42.10	72.30	0.00
69.10	28.40	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
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Response via : Initial Calibration





TIC: Y64311.D\data.ms

(95) Cyclohexanone

13.293min (+0.005) 2.94ug/L m

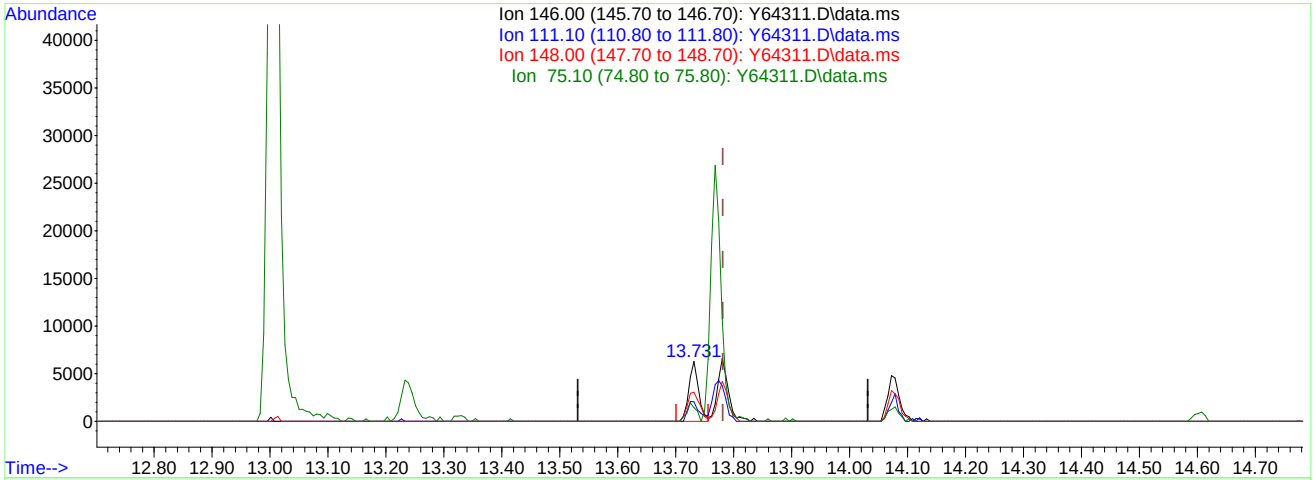
response 1441

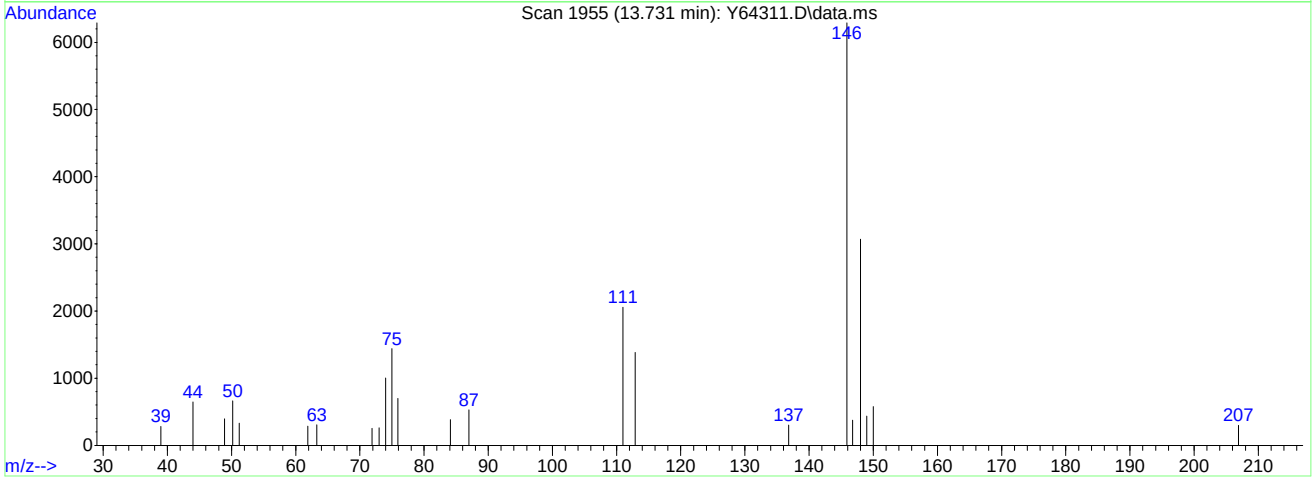
Ion	Exp%	Act%
55.10	100	100
98.10	46.20	42.14
42.10	72.30	52.41
69.10	28.40	46.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(104) 1,4-Dichlorobenzene

13.731min (-0.050) 1.03ug/L

response 7419

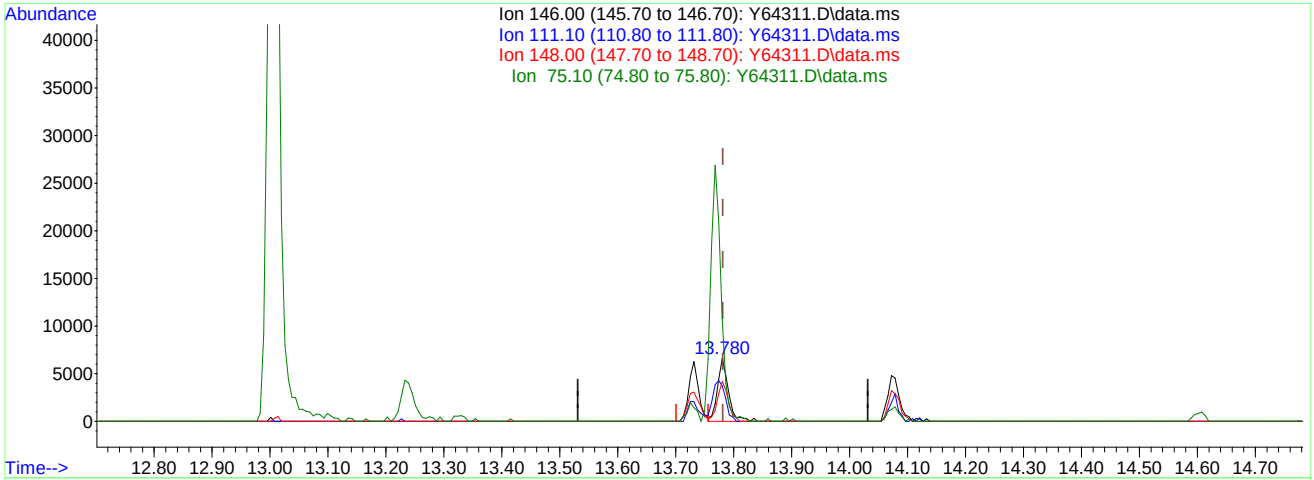
Ion	Exp%	Act%
146.00	100	100
111.10	37.80	32.68
148.00	62.10	48.76
75.10	28.90	22.87

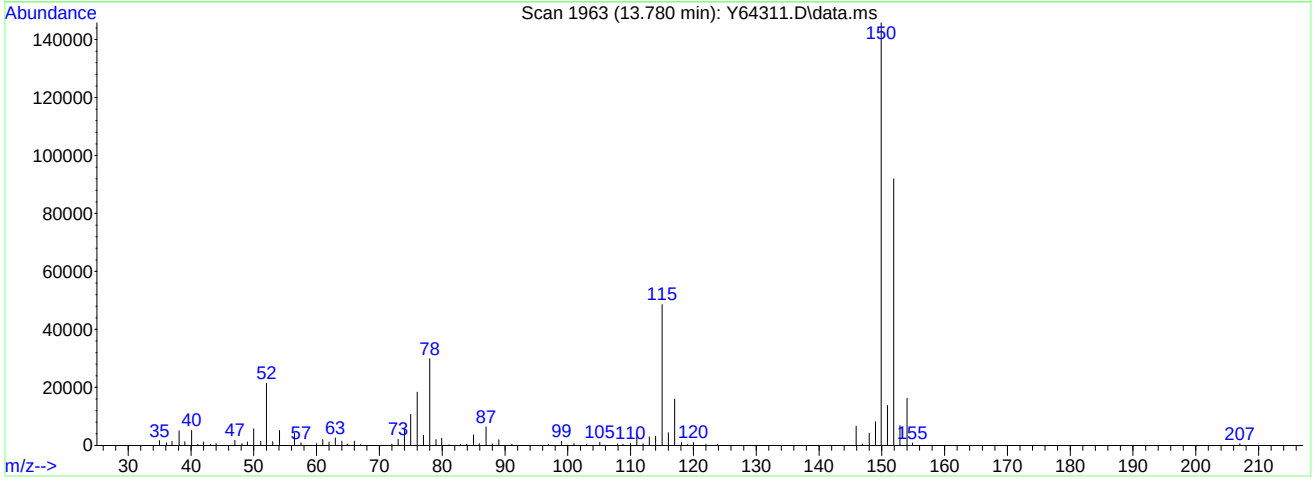
Y64311.D edits: 1,4-Dichlorobenzene

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
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Response via : Initial Calibration





TIC: Y64311.D\data.ms

(104) 1,4-Dichlorobenzene

13.780min (-0.001) 1.19ug/L m

response 8556

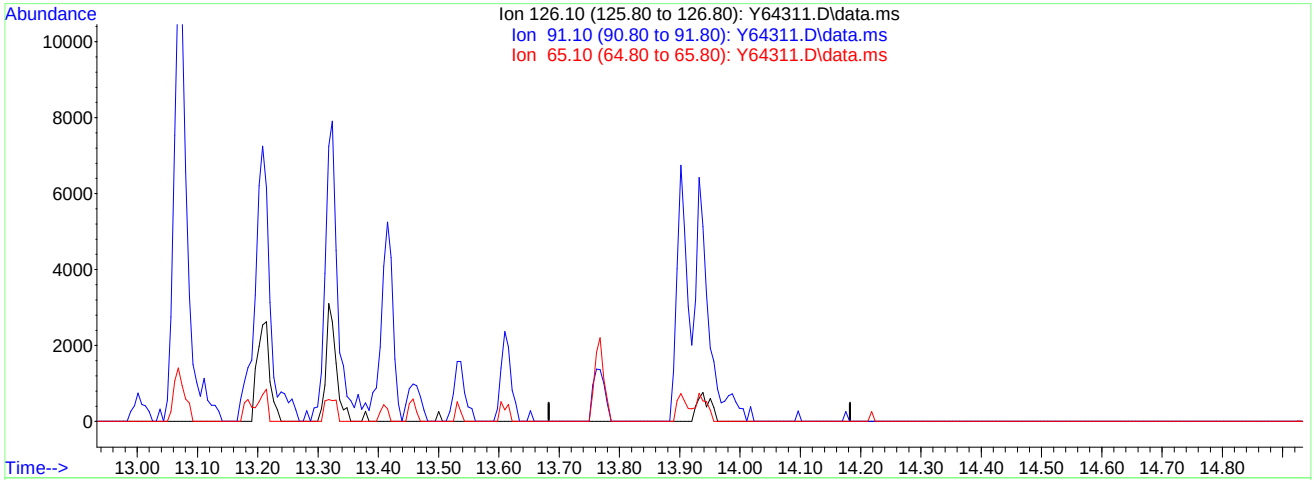
Ion	Exp%	Act%
146.00	100	100
111.10	37.80	56.58
148.00	62.10	63.26
75.10	28.90	161.78#

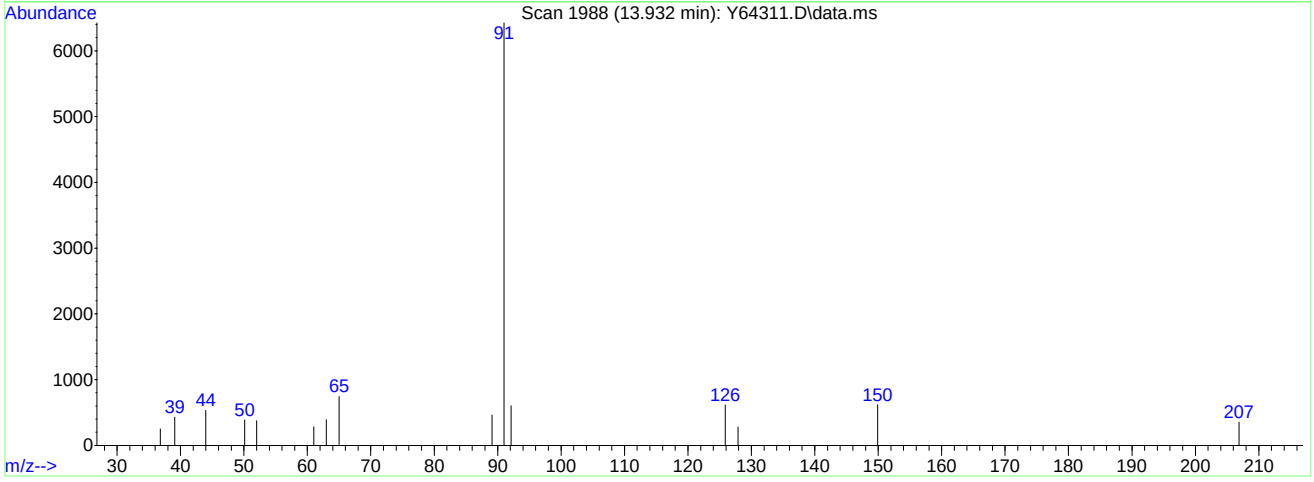
Y64311.D edits: 1,4-Dichlorobenzene

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(106) Benzyl Chloride

13.933min (-13.933) 0.00ug/L

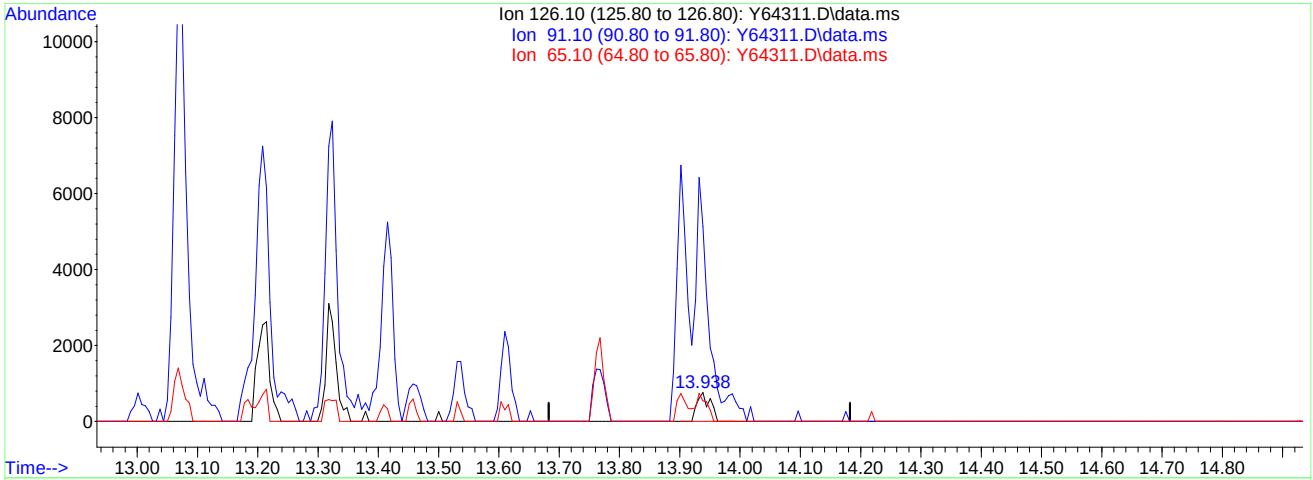
response 0

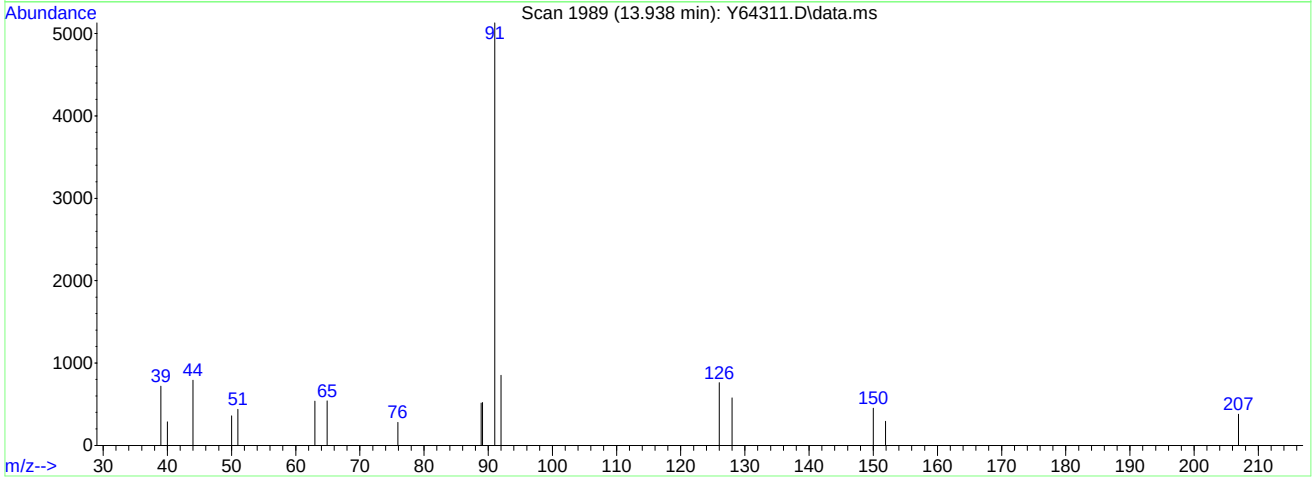
Ion	Exp%	Act%
126.10	100	0.00
91.10	447.10	0.00#
65.10	49.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(106) Benzyl Chloride

13.938min (+0.005) 0.53ug/L m

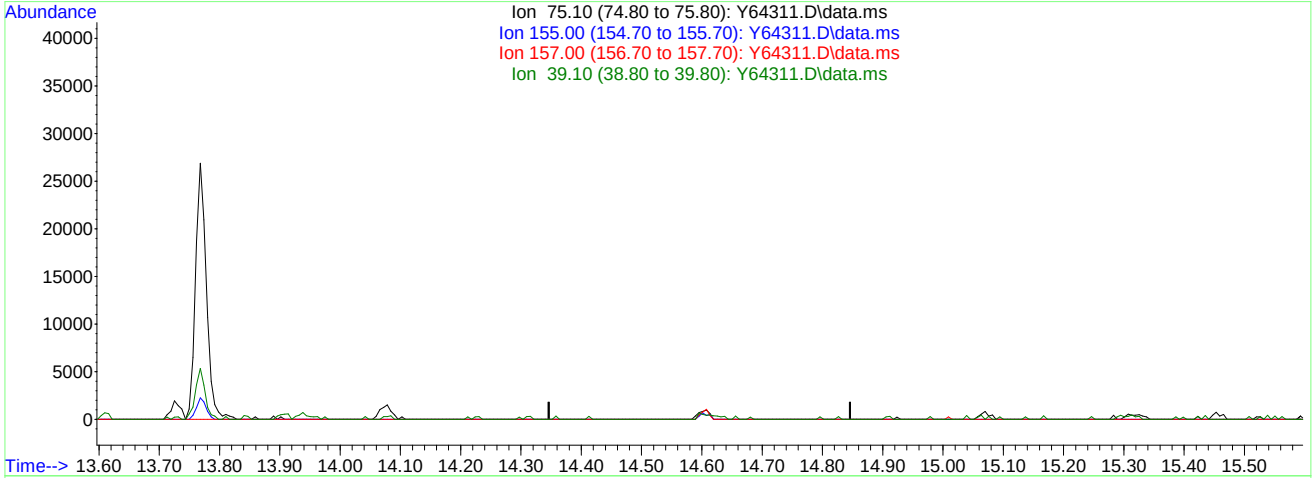
response 1145

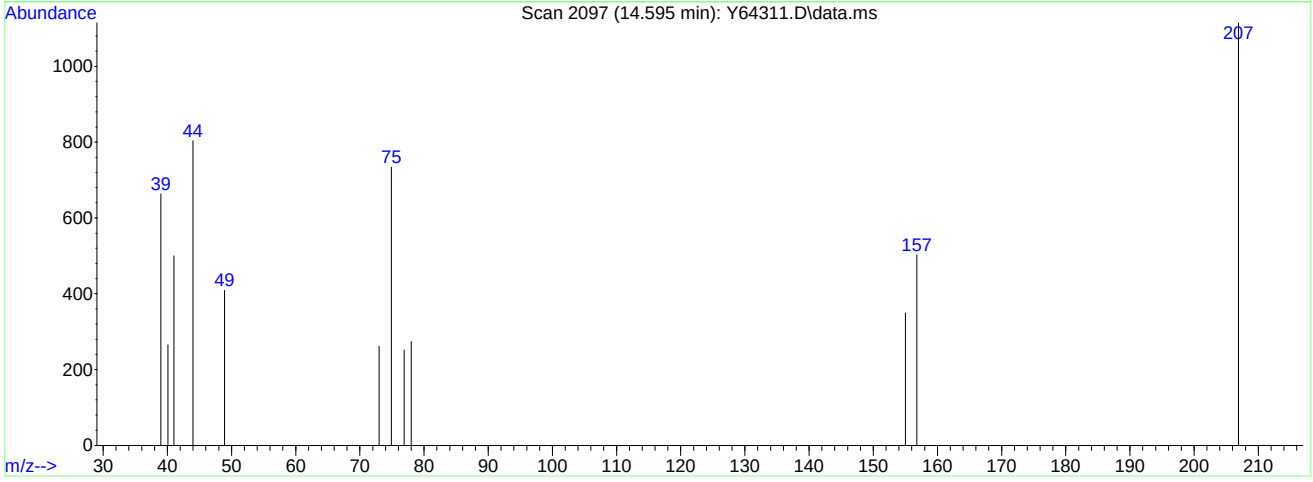
Ion	Exp%	Act%
126.10	100	100
91.10	447.10	674.24#
65.10	49.40	70.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

14.596min (-14.596) 0.00ug/L

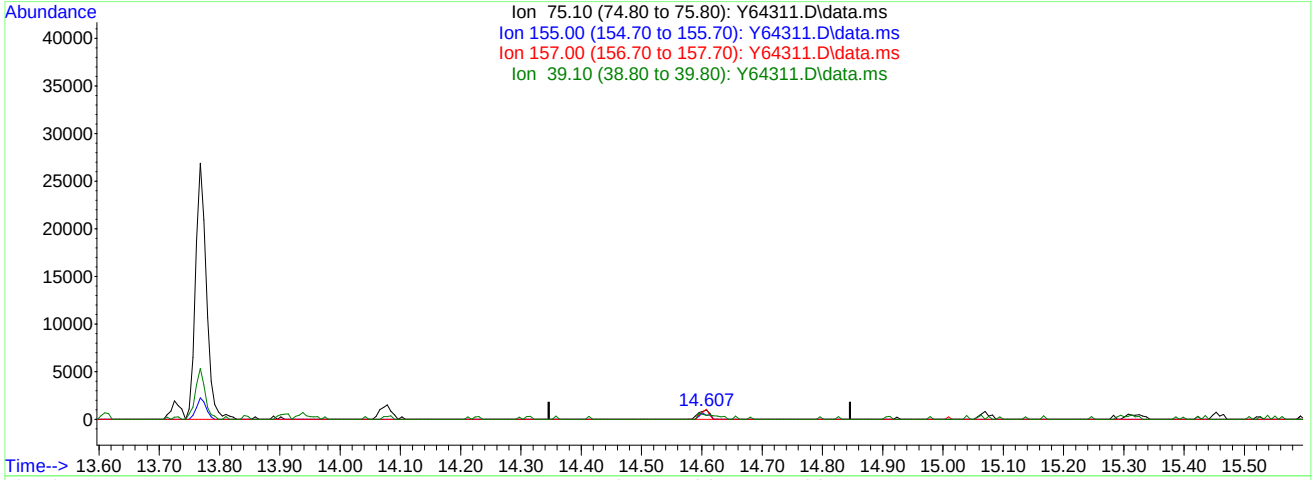
response 0

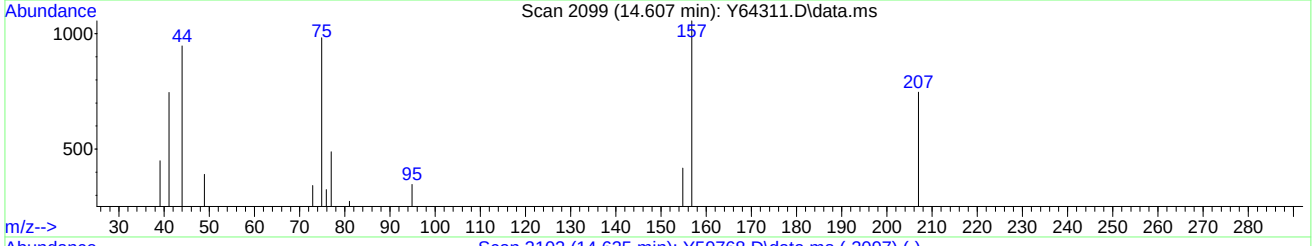
Ion	Exp%	Act%
75.10	100	0.00
155.00	84.20	0.00#
157.00	104.10	0.00#
39.10	84.70	0.00#

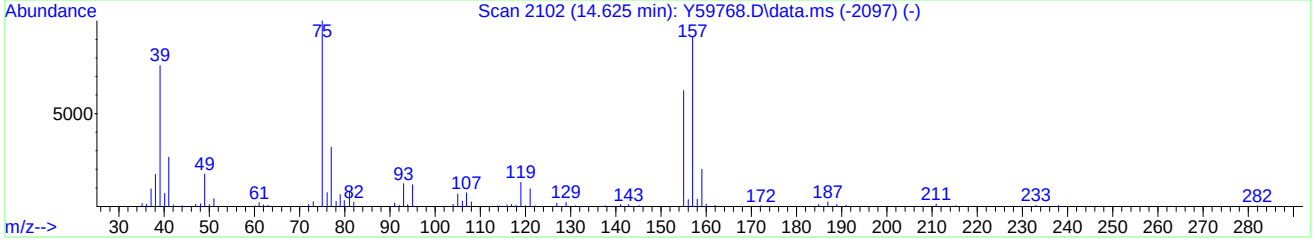
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

14.607min (+0.011) 0.94ug/L m

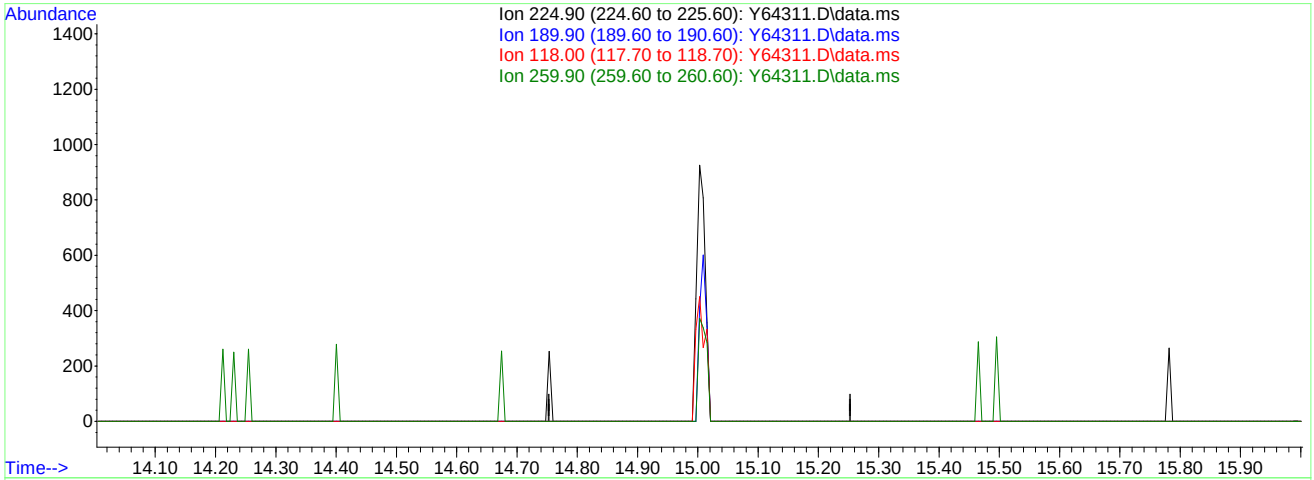
response 1282

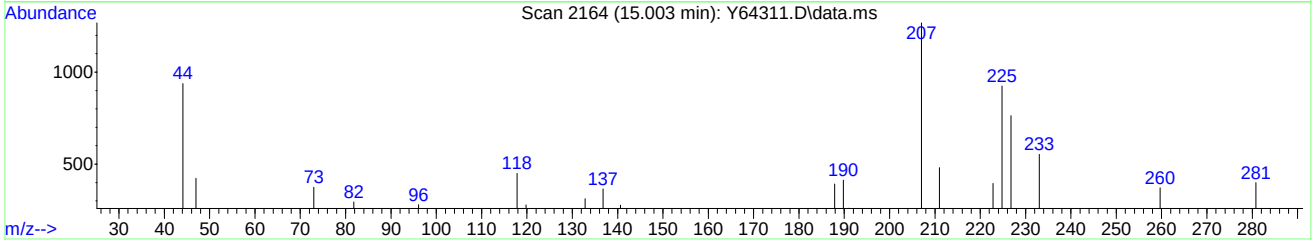
Ion	Exp%	Act%
75.10	100	100
155.00	84.20	42.57#
157.00	104.10	107.54
39.10	84.70	45.72#

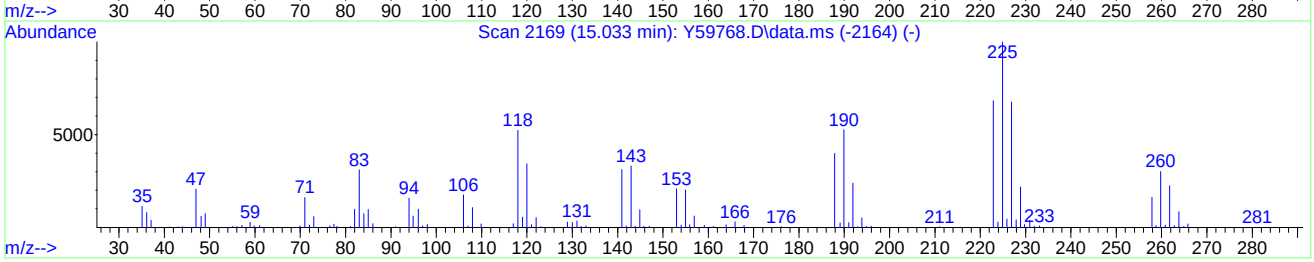
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(109) Hexachlorobutadiene ( )

15.003min (-15.003) 0.00ug/L

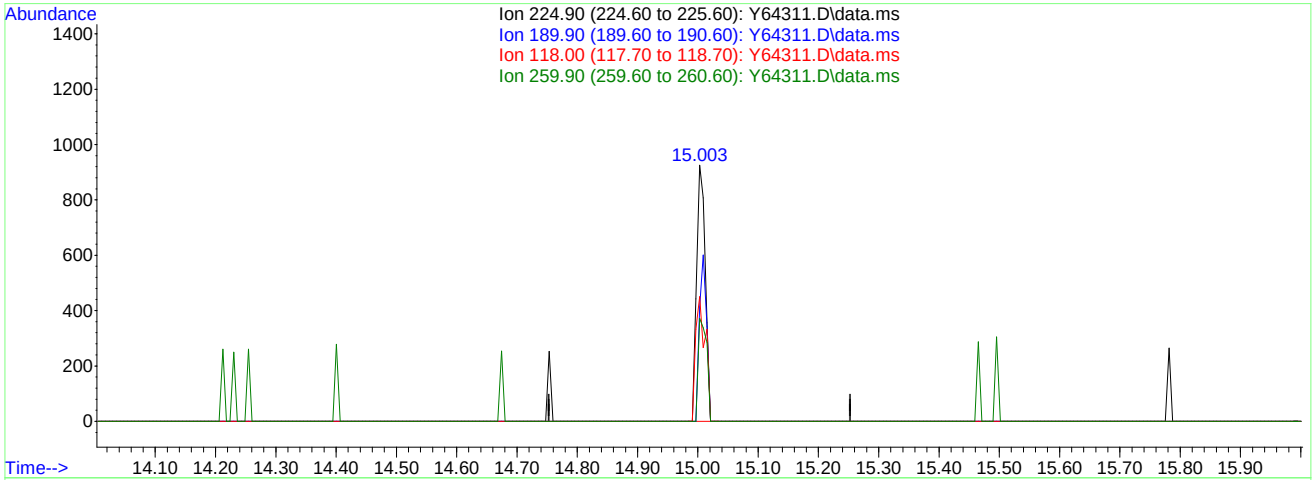
response 0

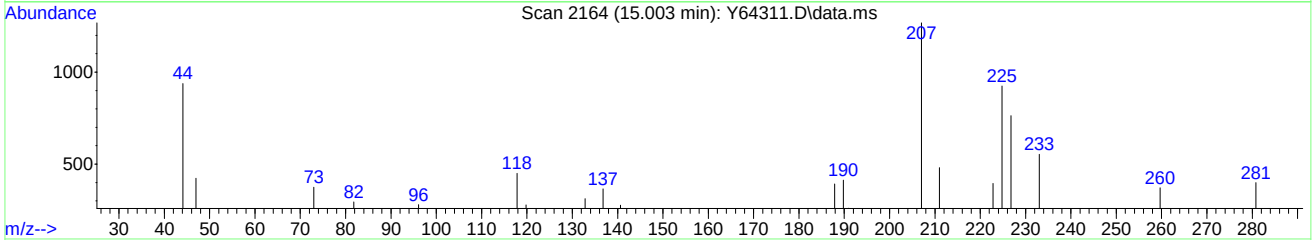
Ion	Exp%	Act%
224.90	100	0.00
189.90	48.10	0.00#
118.00	41.60	0.00#
259.90	30.70	0.00#

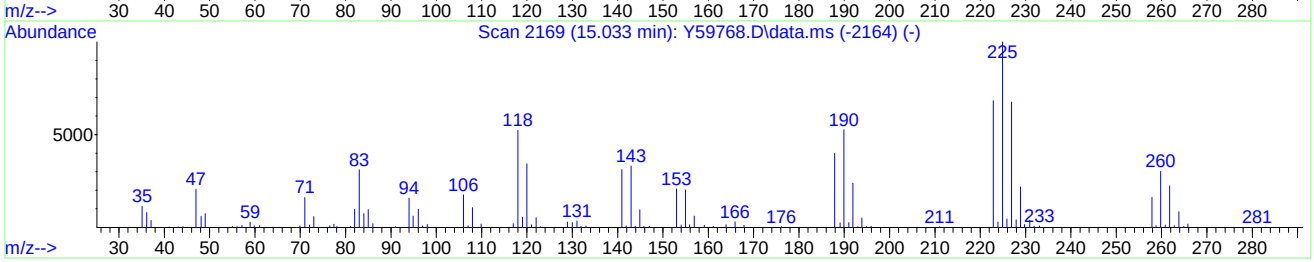
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(109) Hexachlorobutadiene ( )

15.003min (-0.000) 0.59ug/L m

response 923

Ion	Exp%	Act%
224.90	100	100
189.90	48.10	44.65
118.00	41.60	48.65
259.90	30.70	40.22

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:46:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.499	96	693582	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.151	117	561566	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.769	152	287581	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.605	113	154111	49.16	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.32%			
49) 1,2-Dichloroethane-d4	9.207	65	194474	49.94	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.88%			
63) Toluene-d8	10.935	98	704530	49.40	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.80%			
86) 4-Bromofluorobenzene	13.009	174	214453	48.69	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.38%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.844	85	20663	7.09	ug/L	96
3) Acrolein	5.581	56	21364	19.26	ug/L	94
4) Chloromethane	3.178	50	22743	5.19	ug/L	94
5) 1,3-butadiene	3.336	39	19665	5.17	ug/L	96
6) Vinyl Chloride	3.312	62	23639	5.55	ug/L	99
7) Bromomethane	3.823	94	3484	4.29	ug/L	83
8) Chloroethane	4.036	64	15294	13.15	ug/L	88
9) Trichlorofluoromethane	4.261	101	26056	5.44	ug/L	97
10) Ethyl Ether	4.748	59	18018	6.09	ug/L	95
11) Ethanol	5.009	45	4291	34.24	ug/L	89
12) 1,2-Dichlorotrifluoroe...	5.040	67	19425	6.59	ug/L	92
13) 1,1-Dichloroethene	5.052	61	24368	5.56	ug/L	94
14) Freon 113	5.113	101	17797	6.16	ug/L	88
15) Carbon Disulfide	5.107	76	44534	5.15	ug/L	93
16) Iodomethane	5.283	142	1647	1.16	ug/L	89
17) Allyl chloride	5.794	41	19772	4.10	ug/L	90
18) Methylene Chloride	5.958	49	51853	10.27	ug/L	95
19) Acetone	6.049	43	46981	20.09	ug/L	89
20) Methyl acetate	6.232	43	115706	25.51	ug/L	93
21) trans-1,2-Dichloroethene	6.226	61	24565	5.47	ug/L	91
22) Hexane	6.329	56	13106m	4.57	ug/L	
23) Methyl Tert Butyl Ether	6.378	73	56097	6.39	ug/L #	60
24) Tert Butyl Alcohol	6.524	59	53237	35.45	ug/L	96
25) Acetonitrile	6.804	41	40027	42.78	ug/L	95
26) Di-isopropyl ether	6.986	45	60479	5.51	ug/L	99
27) Chloroprene	7.193	53	4027	0.84	ug/L	91
28) 1,1-Dichloroethane	7.218	63	33341	5.82	ug/L	99
29) Acrylonitrile	7.309	53	62464	28.32	ug/L	98
30) ETBE	7.576	59	62149	5.96	ug/L	97
31) Vinyl acetate	7.607	43	232181	26.27	ug/L	97
32) cis-1,2-Dichloroethene	8.033	96	21043	5.96	ug/L	95
33) 2,2-Dichloropropane	8.167	77	27424	5.98	ug/L	98
34) Bromochloromethane	8.294	128	9942	6.19	ug/L	91
35) Cyclohexane	8.294	56	36296	5.56	ug/L	94
36) Chloroform	8.379	83	31852	6.22	ug/L	96
37) Ethyl acetate	8.519	43	196754	29.70	ug/L	98
38) Tetrahydrofuran	8.592	42	15245	5.54	ug/L	98
40) Carbon Tetrachloride	8.562	117	22828	5.87	ug/L	87
41) 1,1,1-Trichloroethane	8.635	97	29777	6.41	ug/L	98
42) 2-Butanone	8.751	43	83105	21.90	ug/L	98
43) 1,1-Dichloropropene	8.787	75	27386	6.32	ug/L	90
44) tert-Butyl formate	8.903	59	74449	26.66	ug/L	93
45) Propionitrile	9.085	54	51674	42.13	ug/L	97
46) Methacrylonitrile	9.103	41	179050	45.03	ug/L	97
47) Benzene	9.061	78	85913	6.31	ug/L	93
48) TAME	9.170	73	60882	6.90	ug/L	89
50) Isobutyl Alcohol	9.274	42	23946	71.66	ug/L	94
51) 1,2-Dichloroethane	9.286	62	27803	6.13	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:46:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

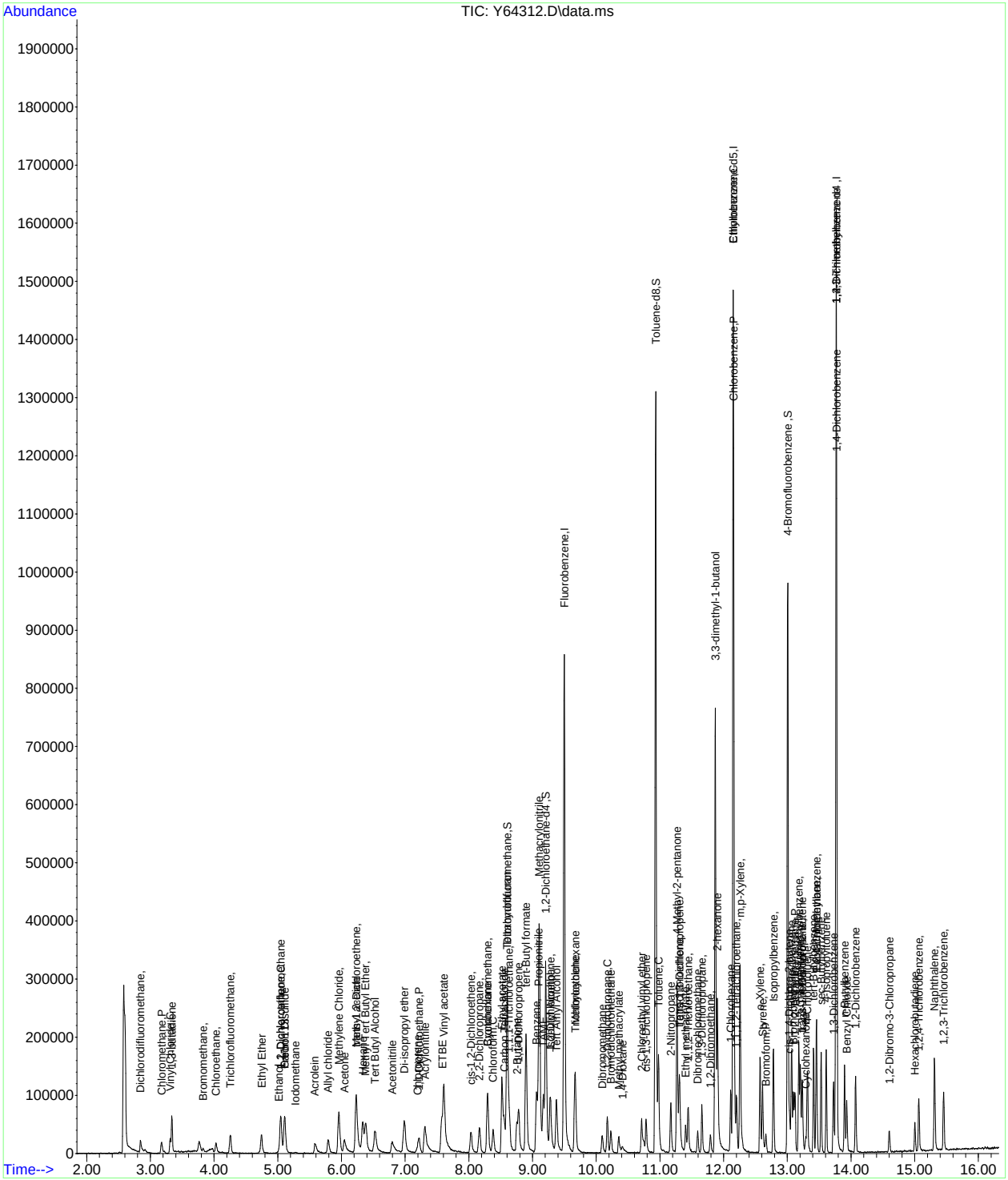
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	9.371	59	48056m	53.26	ug/L		
53) Trichloroethene	9.681	95	20757	6.22	ug/L		93
54) Methylcyclohexane	9.663	83	36399	6.01	ug/L		96
55) Dibromomethane	10.089	93	11822	6.08	ug/L		92
56) 1,2-Dichloropropane	10.180	63	21295	5.96	ug/L		82
57) Bromodichloromethane	10.229	83	22089	5.92	ug/L		95
58) Methyl methacrylate	10.357	41	16446	3.77	ug/L		93
59) 1,4-Dioxane	10.411	88	6563	61.45	ug/L		80
60) 2-Chloroethyl vinyl ether	10.716	63	24913	43.40	ug/L		94
61) cis-1,3-Dichloropropene	10.782	75	27395	5.51	ug/L		90
64) Toluene	10.977	91	95247	6.08	ug/L		98
65) 2-Nitropropane	11.172	41	42985	21.91	ug/L		95
66) 4-Methyl-2-pentanone	11.269	43	166579	21.83	ug/L		98
67) trans-1,3-Dichloropropene	11.312	75	24449	5.30	ug/L		80
68) Tetrachloroethene	11.306	166	22999	5.82	ug/L		96
69) Ethyl methacrylate	11.403	69	24101	4.52	ug/L		88
70) 1,1,2-Trichloroethane	11.446	83	16589	6.38	ug/L		94
71) Dibromochloromethane	11.592	129	16567	4.98	ug/L		96
72) 1,3-Dichloropropane	11.658	76	36728	6.39	ug/L		92
73) 1,2-Dibromoethane	11.792	107	20730	6.07	ug/L		96
74) 3,3-dimethyl-1-butanol	11.871	57	301302	191.11	ug/L		93
75) 2-hexanone	11.902	43	130711	22.72	ug/L		99
76) 1-Chlorohexane	12.115	91	27082	5.27	ug/L		84
77) Ethylbenzene	12.157	91	101304	5.54	ug/L		99
78) Chlorobenzene	12.163	112	57100	5.64	ug/L		98
79) 1,1,1,2-Tetrachloroethane	12.206	131	17197	4.92	ug/L		95
80) m,p-Xylene	12.261	91	149941	10.72	ug/L		94
81) o-Xylene	12.571	91	73469	5.36	ug/L		97
82) Styrene	12.614	104	50445	4.81	ug/L		92
83) Bromoform	12.662	173	9808	4.18	ug/L		97
84) Isopropylbenzene	12.784	105	94633	5.57	ug/L		97
87) cis-1,4-Dichloro-2-butene	13.033	53	7733	3.73	ug/L		91
88) n-Propylbenzene	13.070	91	110485	5.37	ug/L		98
89) Bromobenzene	13.100	156	22513	5.71	ug/L		87
90) 1,1,2,2-Tetrachloroethane	13.118	83	32101	5.88	ug/L		98
91) 1,3,5-Trimethylbenzene	13.179	105	73954	5.20	ug/L		96
92) 2-Chlorotoluene	13.204	91	72656	5.37	ug/L		97
93) trans-1,4-Dichloro-2-B...	13.240	53	7851	4.18	ug/L	#	62
94) 1,2,3-Trichloropropane	13.234	110	12002	6.49	ug/L		93
95) Cyclohexanone	13.289	55	9490	17.69	ug/L		88
96) 4-Chlorotoluene	13.313	91	64710	5.40	ug/L		97
97) tert-Butylbenzene	13.410	91	41792	5.25	ug/L		99
98) 1,2,4-Trimethylbenzene	13.453	105	73260	5.22	ug/L		97
99) Pentachloroethane	13.465	167	9812	4.38	ug/L		98
100) sec-Butylbenzene	13.532	105	91412	5.28	ug/L		95
101) 4-Isopropyltoluene	13.611	119	73069	4.84	ug/L		99
102) 1,3-Dichlorobenzene	13.727	146	39872	5.33	ug/L		95
103) 1,2,3-Trimethylbenzene	13.763	105	78079	5.62	ug/L		94
104) 1,4-Dichlorobenzene	13.782	146	42306	5.37	ug/L		88
105) n-Butylbenzene	13.897	92	33364	4.47	ug/L		92
106) Benzyl Chloride	13.934	126	9898	4.14	ug/L	#	54
107) 1,2-Dichlorobenzene	14.074	146	40722	5.59	ug/L		96
108) 1,2-Dibromo-3-Chloropr...	14.603	75	6283	4.20	ug/L	#	76
109) Hexachlorobutadiene	15.004	225	6772	3.94	ug/L		94
110) 1,2,4-Trichlorobenzene	15.065	180	25322	5.26	ug/L		97
111) Naphthalene	15.309	128	109740	5.32	ug/L		100
112) 1,2,3-Trichlorobenzene	15.455	180	24517	5.16	ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:46:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: VY2666-IC2666
Lab FileID: Y64312.D
Injection Time: 08/29/22 13:29

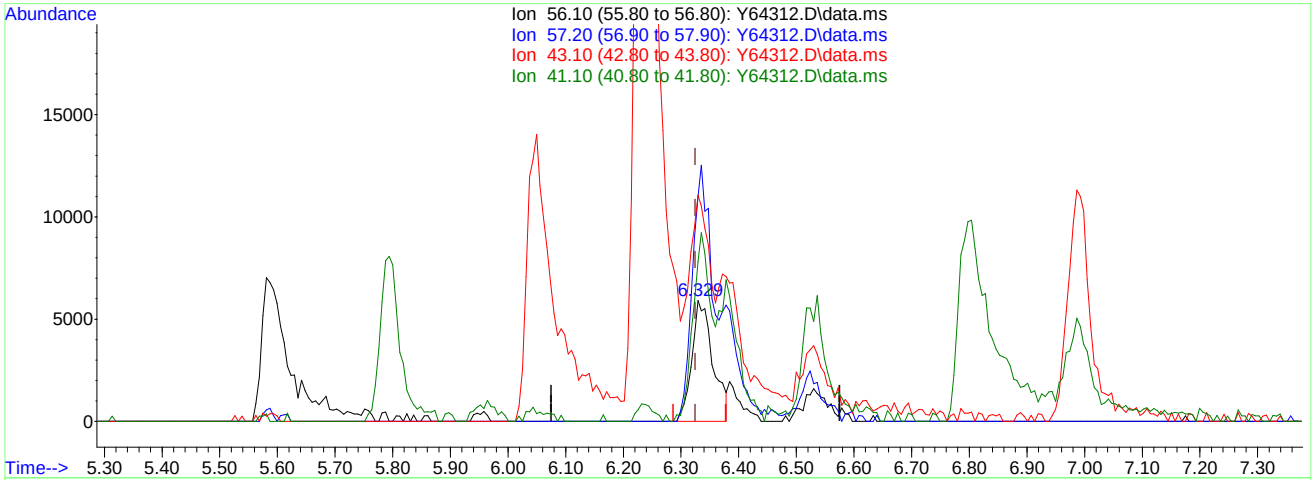
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

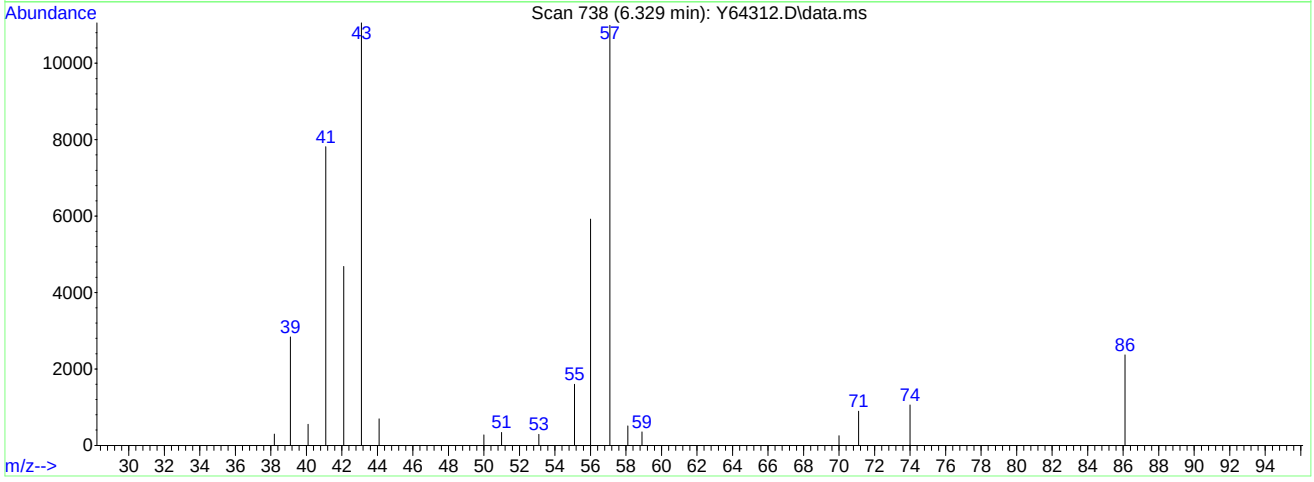
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.37	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:33:47 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64312.D\data.ms

(22) Hexane

6.329min (+0.004) 5.24ug/L

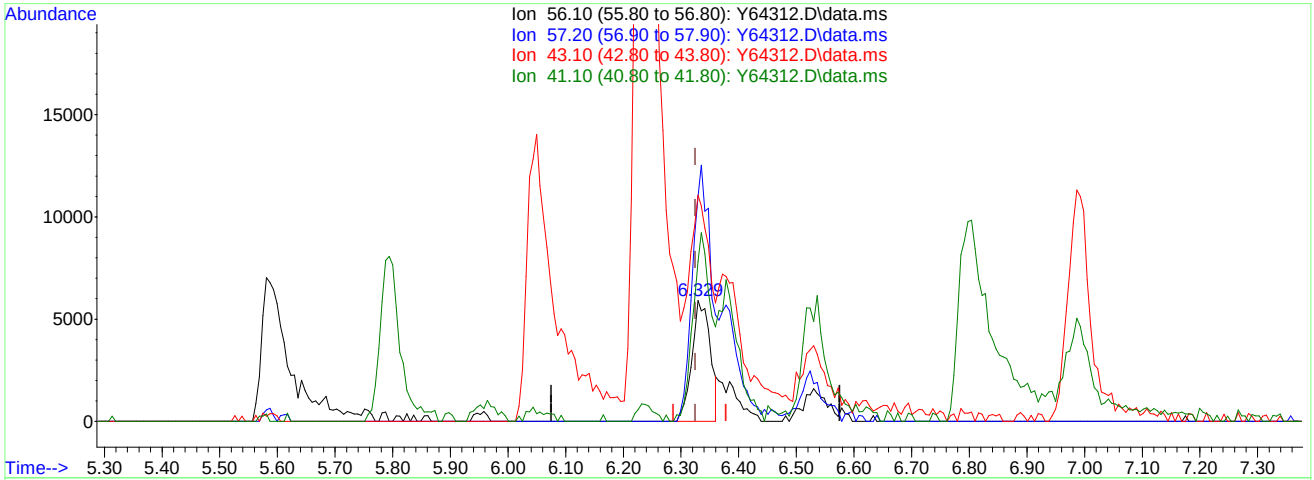
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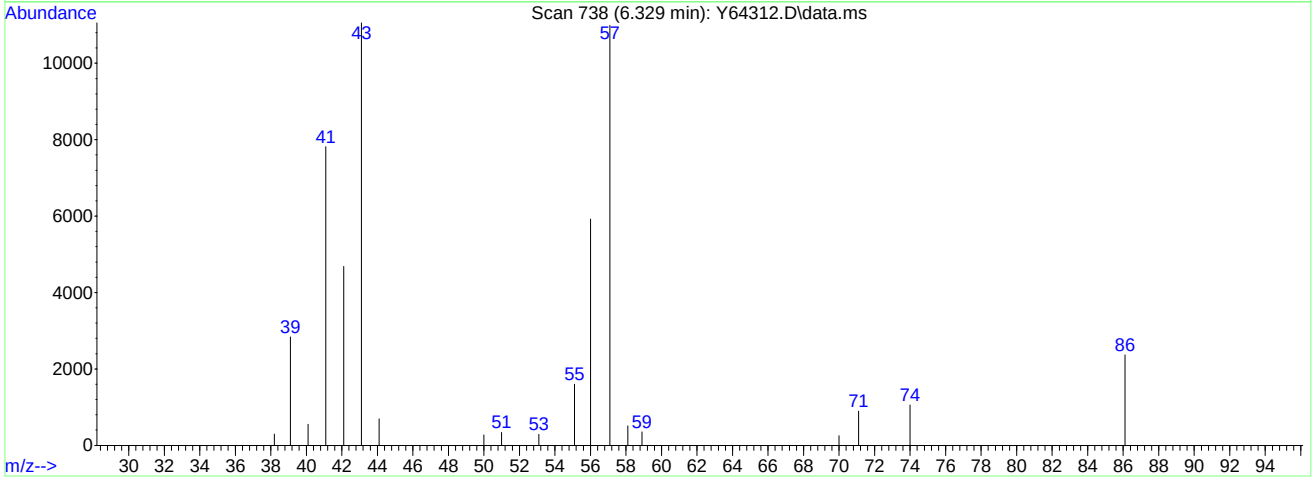
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	185.74
43.10	76.70	67.22
41.10	144.30	132.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:33:47 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64312.D\data.ms

(22) Hexane

6.329min (+0.004) 4.57ug/L m

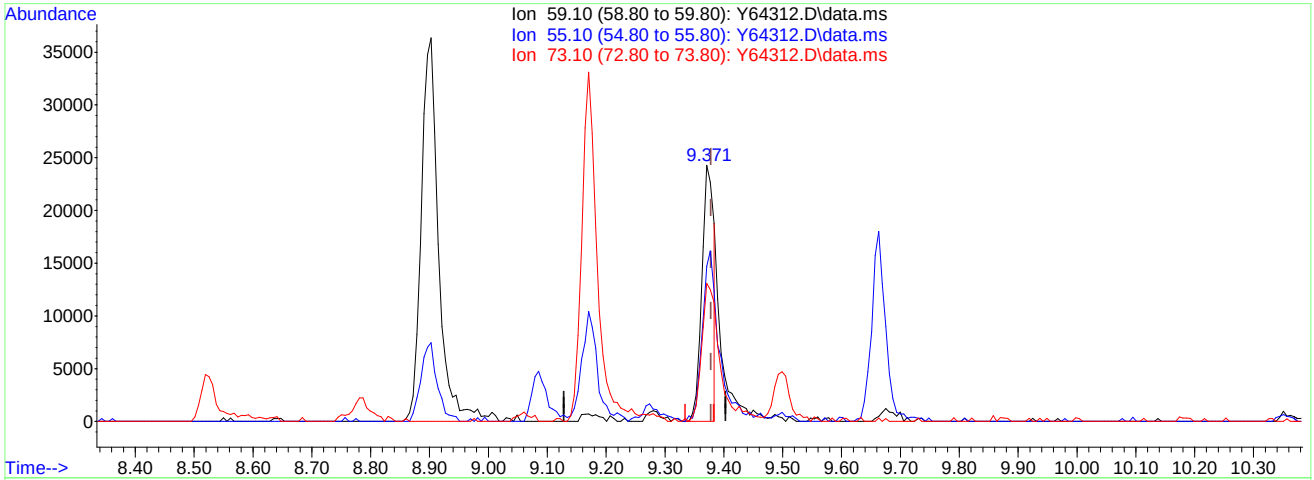
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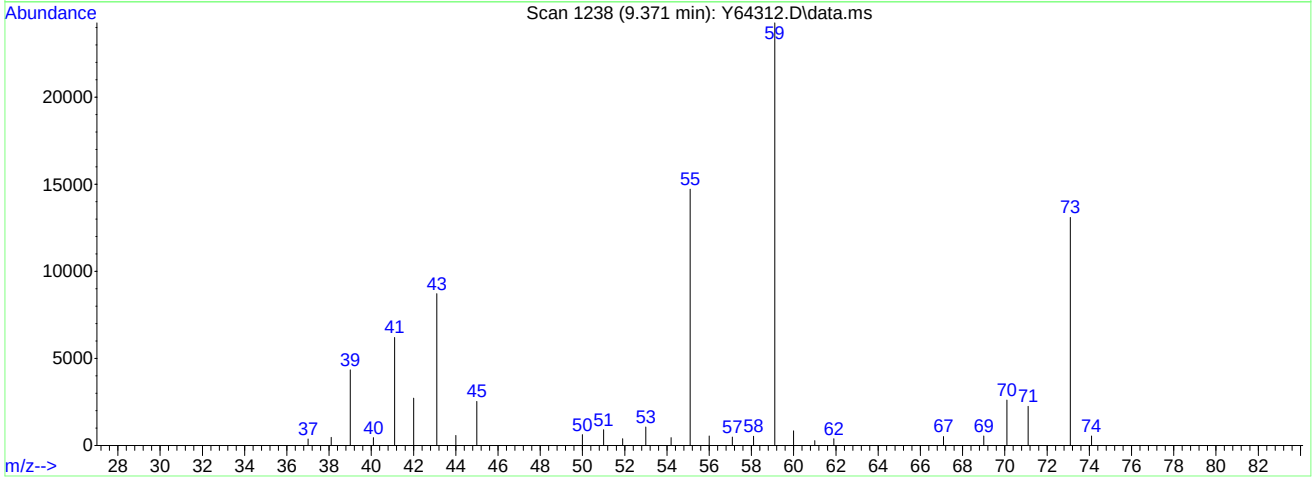
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	185.74
43.10	76.70	186.86#
41.10	144.30	132.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:33:47 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64312.D\data.ms

(52) Tert Amyl Alcohol

9.371min (-0.007) 38.13ug/L

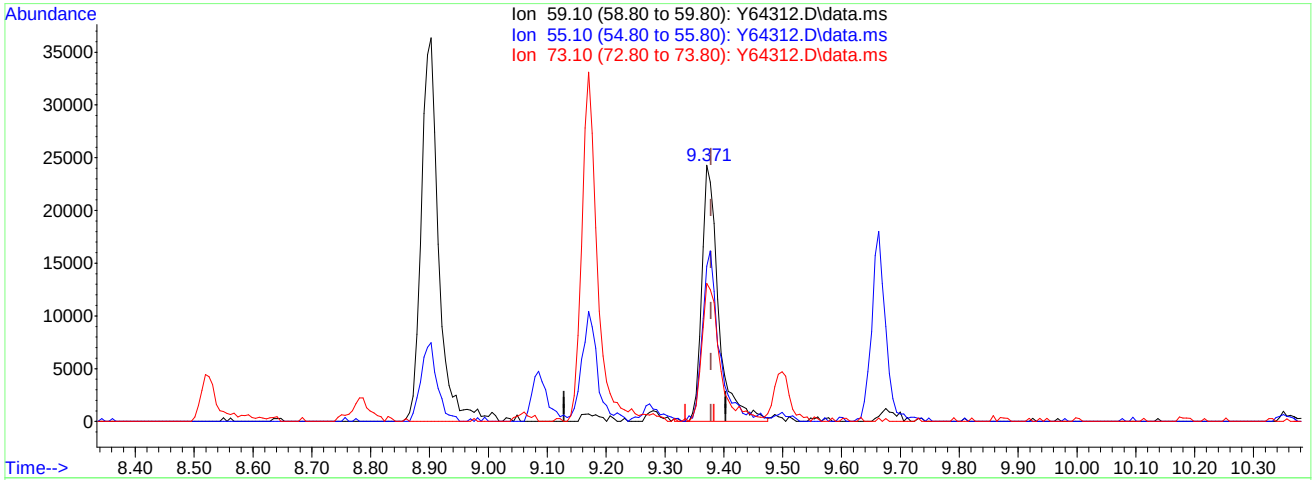
response 34173

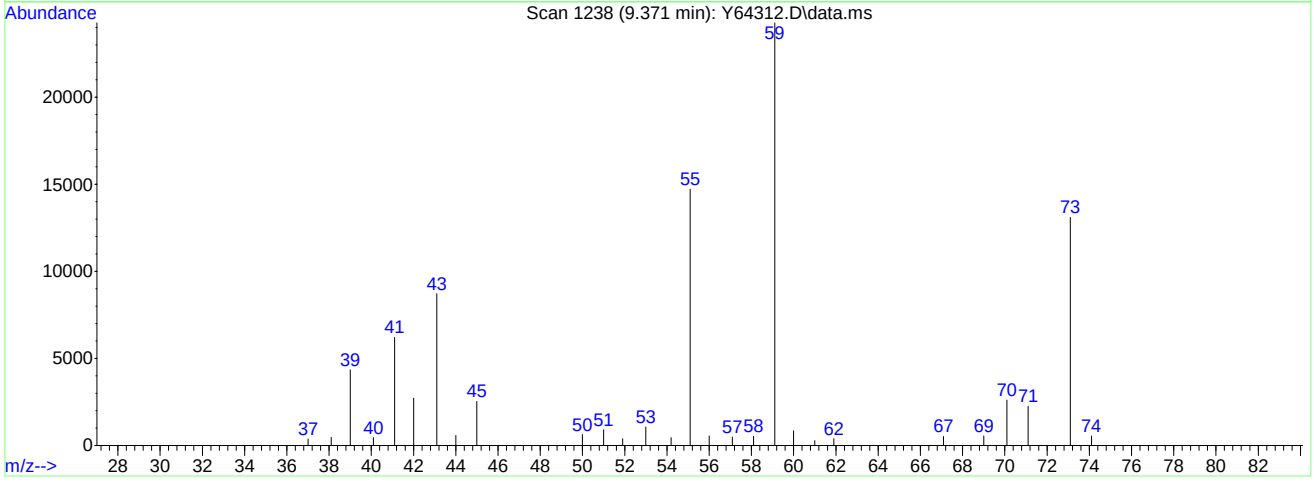
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	60.61
73.10	53.50	52.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:33:47 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64312.D\data.ms

(52) Tert Amyl Alcohol

9.371min (-0.007) 53.26ug/L m

response 48056

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	60.61
73.10	53.50	53.96
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:47:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	9.497	96	712717	50.00	ug/L		0.00
62) Chlorobenzene-d5	12.149	117	588987	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	298427	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.603	113	159459	49.50	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.00%				
49) 1,2-Dichloroethane-d4	9.205	65	202171	50.53	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.06%				
63) Toluene-d8	10.933	98	730326	48.83	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.66%				
86) 4-Bromofluorobenzene	13.007	174	226587	49.58	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.16%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.848	85	42158	14.01	ug/L		97
3) Acrolein	5.585	56	41396	36.32	ug/L		94
4) Chloromethane	3.170	50	47643	10.57	ug/L		89
5) 1,3-butadiene	3.341	39	39591	10.21	ug/L		99
6) Vinyl Chloride	3.310	62	51850	11.84	ug/L		100
7) Bromomethane	3.827	94	8373	9.91	ug/L		93
8) Chloroethane	4.034	64	33049	27.65	ug/L		93
9) Trichlorofluoromethane	4.253	101	54066	10.98	ug/L		94
10) Ethyl Ether	4.746	59	32035	10.55	ug/L		97
11) Ethanol	4.995	45	12669	97.89	ug/L		94
12) 1,2-Dichlorotrifluoroe...	5.038	67	34808	11.49	ug/L		93
13) 1,1-Dichloroethene	5.056	61	46884	10.42	ug/L		93
14) Freon 113	5.111	101	32039	10.79	ug/L		92
15) Carbon Disulfide	5.105	76	87090	9.80	ug/L		94
16) Iodomethane	5.275	142	4706	3.23	ug/L		89
17) Allyl chloride	5.786	41	40838	8.23	ug/L		90
18) Methylene Chloride	5.956	49	69504	13.40	ug/L		92
19) Acetone	6.042	43	106224	44.20	ug/L		86
20) Methyl acetate	6.230	43	228325	48.67	ug/L		95
21) trans-1,2-Dichloroethene	6.224	61	50940	11.03	ug/L		97
22) Hexane	6.334	56	25075m	8.55	ug/L		
23) Methyl Tert Butyl Ether	6.376	73	107465	11.90	ug/L		70
24) Tert Butyl Alcohol	6.522	59	107445	69.63	ug/L		99
25) Acetonitrile	6.784	41	82076	84.77	ug/L		96
26) Di-isopropyl ether	6.985	45	115318	10.22	ug/L		97
27) Chloroprene	7.179	53	7289	1.48	ug/L		85
28) 1,1-Dichloroethane	7.216	63	61562	10.45	ug/L		97
29) Acrylonitrile	7.307	53	114141	49.92	ug/L		97
30) ETBE	7.575	59	113912	10.63	ug/L		94
31) Vinyl acetate	7.605	43	435629	47.62	ug/L		97
32) cis-1,2-Dichloroethene	8.031	96	39273	10.84	ug/L		95
33) 2,2-Dichloropropane	8.171	77	51163	10.86	ug/L		96
34) Bromochloromethane	8.299	128	18264	11.09	ug/L	#	78
35) Cyclohexane	8.293	56	65330	9.75	ug/L		97
36) Chloroform	8.384	83	64298	12.21	ug/L		94
37) Ethyl acetate	8.518	43	331919	48.76	ug/L		98
38) Tetrahydrofuran	8.591	42	25414	8.99	ug/L		98
40) Carbon Tetrachloride	8.554	117	40628	10.17	ug/L		86
41) 1,1,1-Trichloroethane	8.633	97	55062	11.54	ug/L		98
42) 2-Butanone	8.749	43	185173	47.49	ug/L		94
43) 1,1-Dichloropropene	8.779	75	48500	10.87	ug/L		91
44) tert-Butyl formate	8.895	59	129903	45.26	ug/L		93
45) Propionitrile	9.083	54	110900	87.99	ug/L		94
46) Methacrylonitrile	9.102	41	356840	87.33	ug/L		98
47) Benzene	9.059	78	165330	11.82	ug/L		93
48) TAME	9.169	73	112620	12.36	ug/L		94
50) Isobutyl Alcohol	9.272	42	52555	150.65	ug/L		96
51) 1,2-Dichloroethane	9.284	62	51618	11.07	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:47:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

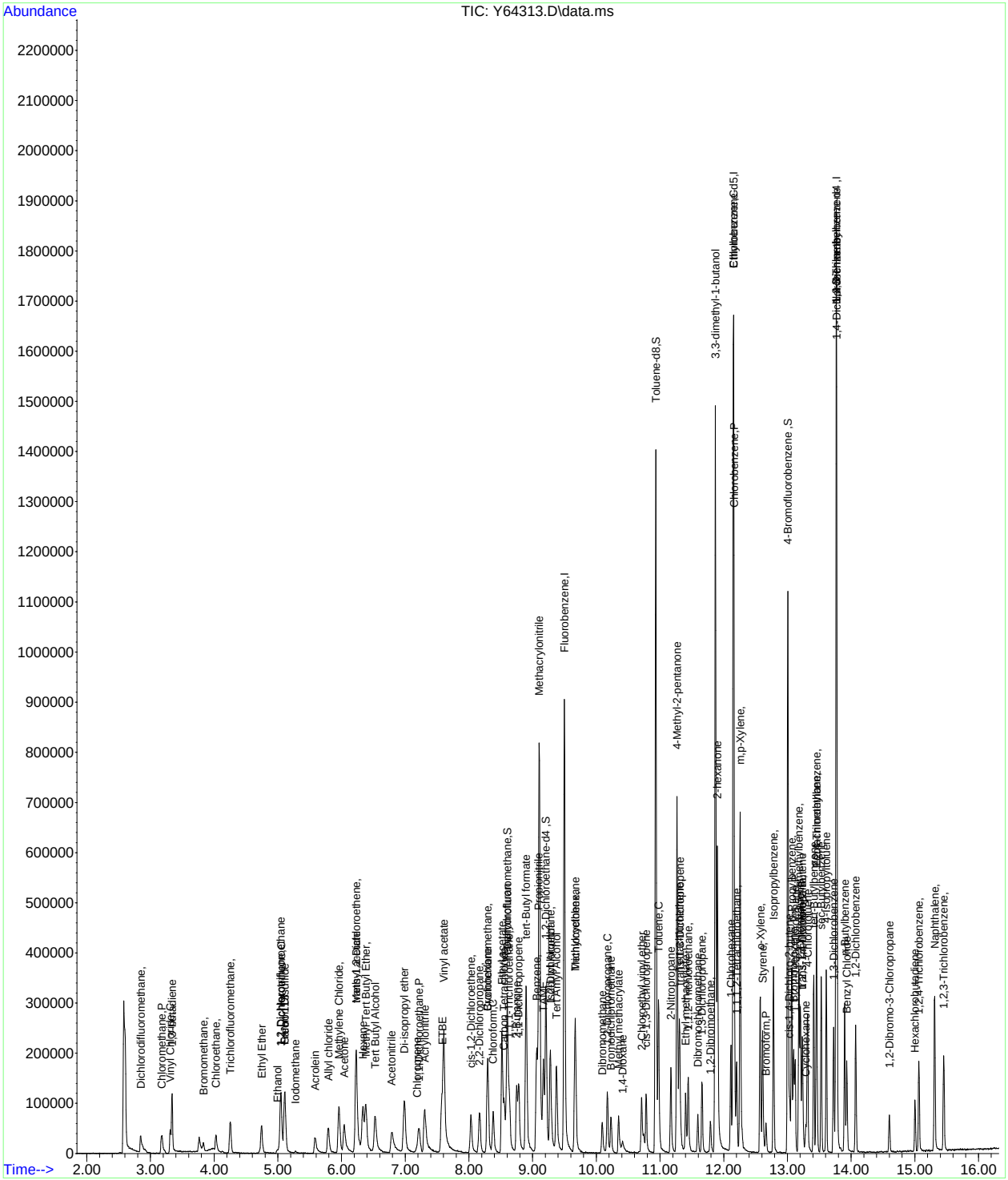
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
52) Tert Amyl Alcohol	9.375	59	90666m	96.03 ug/L	
53) Trichloroethene	9.673	95	40706	11.86 ug/L	91
54) Methylcyclohexane	9.661	83	66857	10.73 ug/L	89
55) Dibromomethane	10.093	93	23204	11.60 ug/L	94
56) 1,2-Dichloropropane	10.172	63	38724	10.54 ug/L	96
57) Bromodichloromethane	10.227	83	40368	10.49 ug/L	91
58) Methyl methacrylate	10.349	41	38109	8.42 ug/L	91
59) 1,4-Dioxane	10.416	88	15640	142.52 ug/L	86
60) 2-Chloroethyl vinyl ether	10.708	63	45155	75.08 ug/L	95
61) cis-1,3-Dichloropropene	10.781	75	52342	10.20 ug/L	89
64) Toluene	10.975	91	175737	10.70 ug/L	98
65) 2-Nitropropane	11.170	41	79658	38.47 ug/L	99
66) 4-Methyl-2-pentanone	11.267	43	370863	46.33 ug/L	98
67) trans-1,3-Dichloropropene	11.316	75	48219	9.92 ug/L	88
68) Tetrachloroethene	11.304	166	43324	10.45 ug/L	94
69) Ethyl methacrylate	11.401	69	50220	8.90 ug/L	90
70) 1,1,2-Trichloroethane	11.438	83	30971	11.36 ug/L	86
71) Dibromochloromethane	11.596	129	31619	9.05 ug/L	95
72) 1,3-Dichloropropane	11.657	76	66841	11.08 ug/L	91
73) 1,2-Dibromoethane	11.791	107	37718	10.52 ug/L	93
74) 3,3-dimethyl-1-butanol	11.870	57	562258	338.71 ug/L	97
75) 2-hexanone	11.900	43	295265	47.42 ug/L	97
76) 1-Chlorohexane	12.113	91	52260	9.67 ug/L	92
77) Ethylbenzene	12.156	91	194644	10.16 ug/L	99
78) Chlorobenzene	12.168	112	108818	10.25 ug/L	91
79) 1,1,1,2-Tetrachloroethane	12.204	131	34394	9.37 ug/L	96
80) m,p-Xylene	12.259	91	296319	20.20 ug/L	94
81) o-Xylene	12.569	91	146000	10.16 ug/L	98
82) Styrene	12.612	104	101686	9.19 ug/L	96
83) Bromoform	12.667	173	20342	8.22 ug/L	97
84) Isopropylbenzene	12.782	105	183052	10.27 ug/L	99
87) cis-1,4-Dichloro-2-butene	13.032	53	15720	7.32 ug/L	97
88) n-Propylbenzene	13.068	91	215936	10.11 ug/L	100
89) Bromobenzene	13.098	156	43120	10.54 ug/L	87
90) 1,1,2,2-Tetrachloroethane	13.123	83	61094	10.78 ug/L	96
91) 1,3,5-Trimethylbenzene	13.178	105	152478	10.32 ug/L	99
92) 2-Chlorotoluene	13.202	91	141842	10.10 ug/L	98
93) trans-1,4-Dichloro-2-B...	13.238	53	15009	7.66 ug/L #	35
94) 1,2,3-Trichloropropane	13.232	110	21202	11.05 ug/L	90
95) Cyclohexanone	13.287	55	17169	30.83 ug/L	93
96) 4-Chlorotoluene	13.317	91	128004	10.29 ug/L	97
97) tert-Butylbenzene	13.415	91	82314	9.96 ug/L	96
98) 1,2,4-Trimethylbenzene	13.457	105	142644	9.80 ug/L	96
99) Pentachloroethane	13.463	167	21079	9.07 ug/L	91
100) sec-Butylbenzene	13.530	105	179603	9.99 ug/L	98
101) 4-Isopropyltoluene	13.609	119	150524	9.60 ug/L	99
102) 1,3-Dichlorobenzene	13.725	146	77853	10.03 ug/L	98
103) 1,2,3-Trimethylbenzene	13.762	105	146400	10.15 ug/L	95
104) 1,4-Dichlorobenzene	13.780	146	81336	9.94 ug/L	92
105) n-Butylbenzene	13.902	92	68642	8.79 ug/L	97
106) Benzyl Chloride	13.932	126	20874	8.33 ug/L #	84
107) 1,2-Dichlorobenzene	14.072	146	75689	10.01 ug/L	96
108) 1,2-Dibromo-3-Chloropr...	14.601	75	12974	8.36 ug/L	92
109) Hexachlorobutadiene	15.003	225	13265	7.41 ug/L	93
110) 1,2,4-Trichlorobenzene	15.063	180	45853	9.18 ug/L	93
111) Naphthalene	15.313	128	210950	9.85 ug/L	100
112) 1,2,3-Trichlorobenzene	15.453	180	47647	9.67 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:47:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

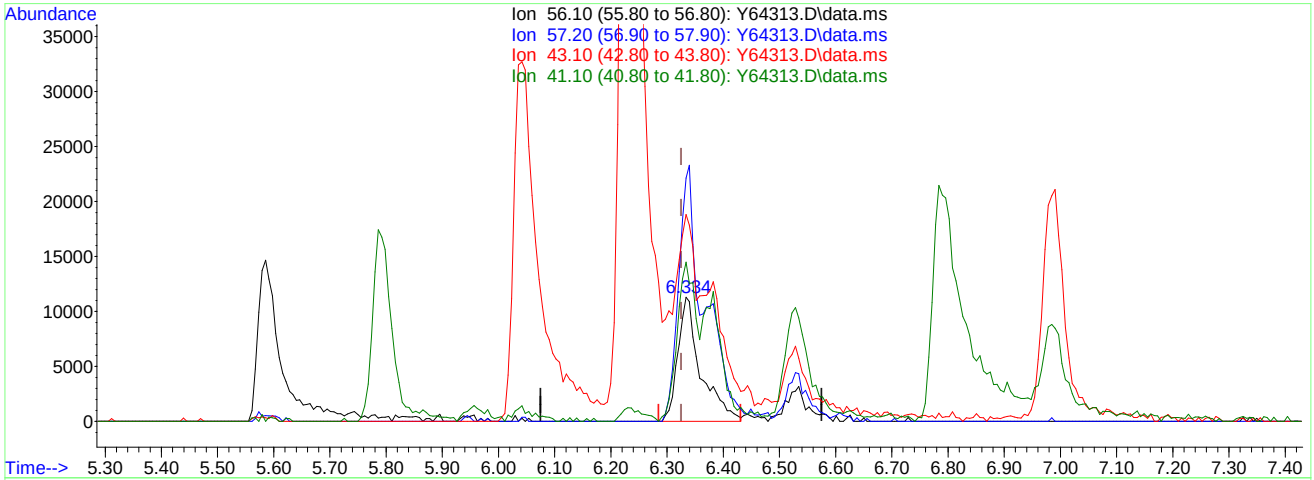
Sample Number: VY2666-IC2666
Lab FileID: Y64313.D
Injection Time: 08/29/22 13:54
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

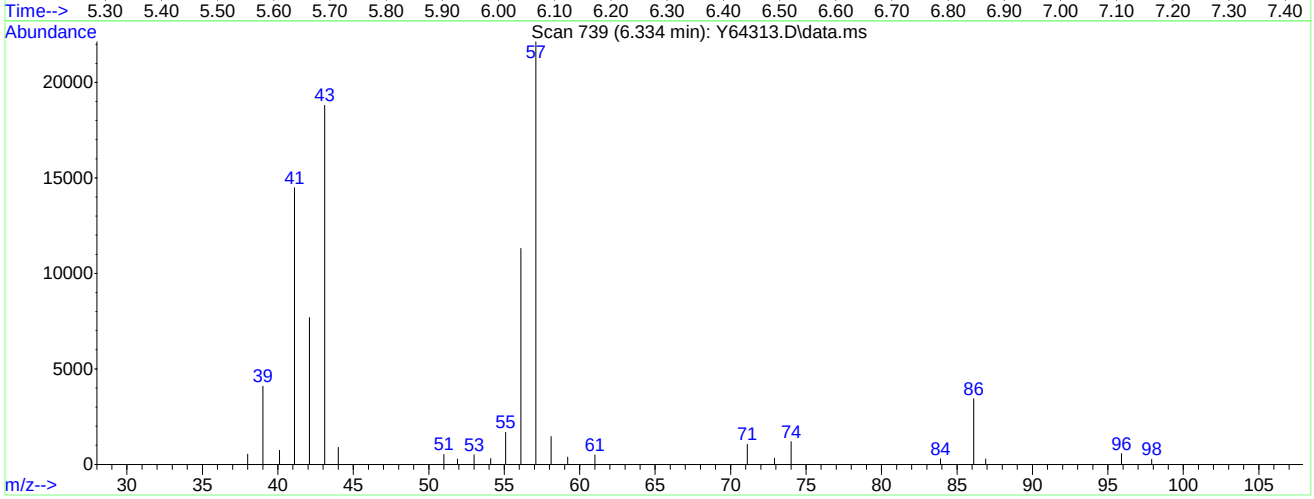
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:33:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64313.D\data.ms

(22) Hexane

6.334min (+0.009) 10.96ug/L

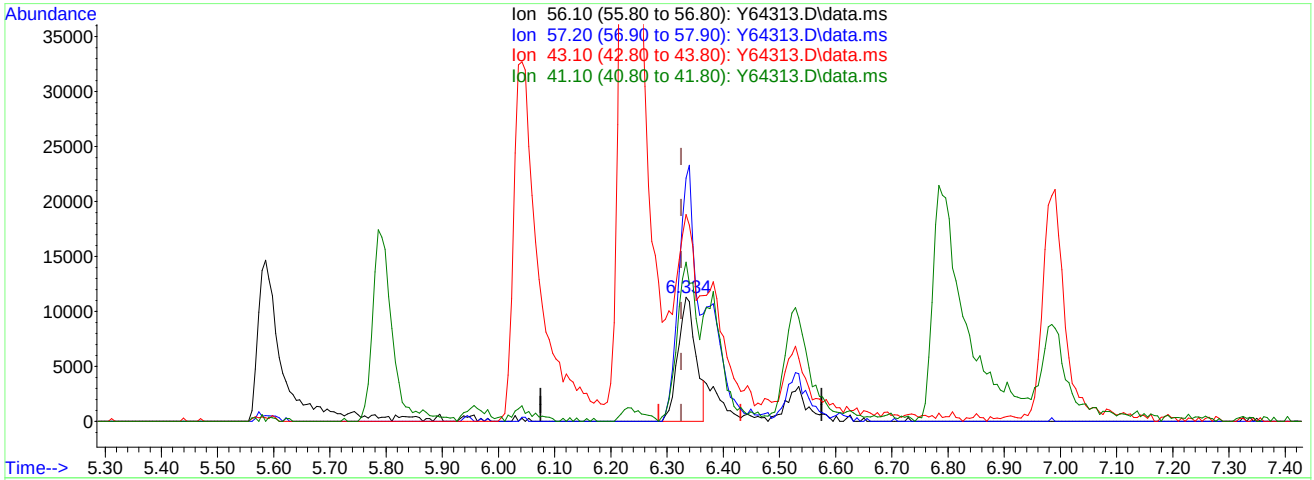
response 32024

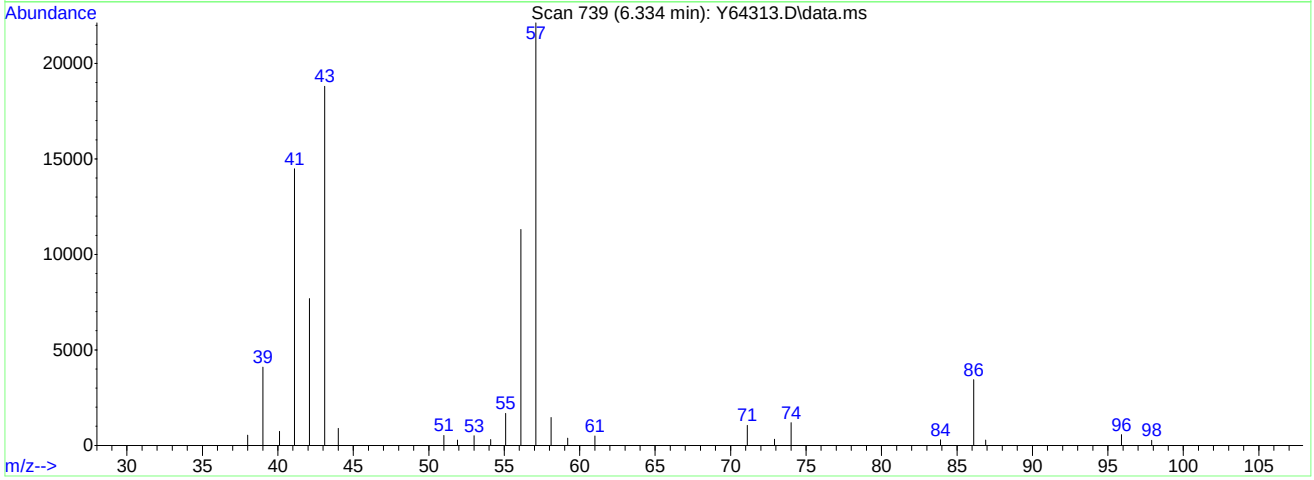
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	195.75
43.10	76.70	142.29#
41.10	144.30	128.13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:33:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64313.D\data.ms

(22) Hexane

6.334min (+0.009) 8.55ug/L m

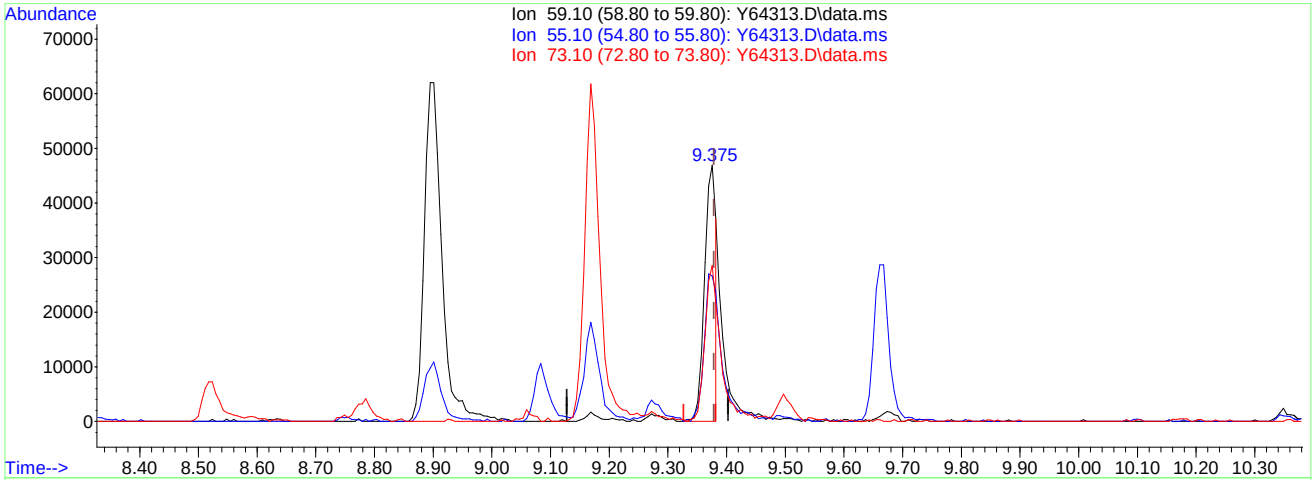
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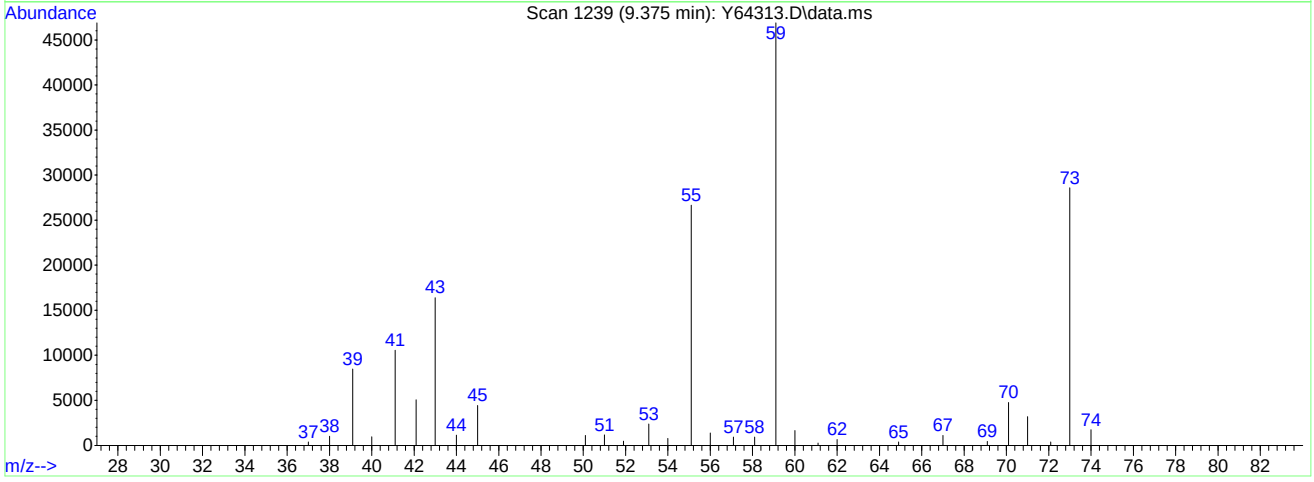
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	195.75
43.10	76.70	166.38#
41.10	144.30	128.13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:33:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64313.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 68.19ug/L

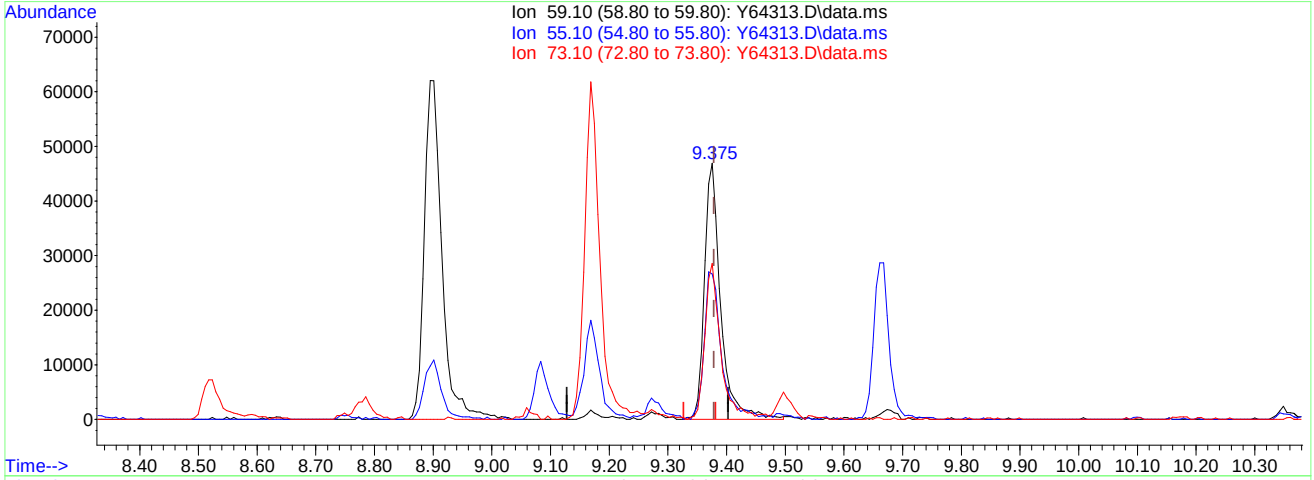
response 63629

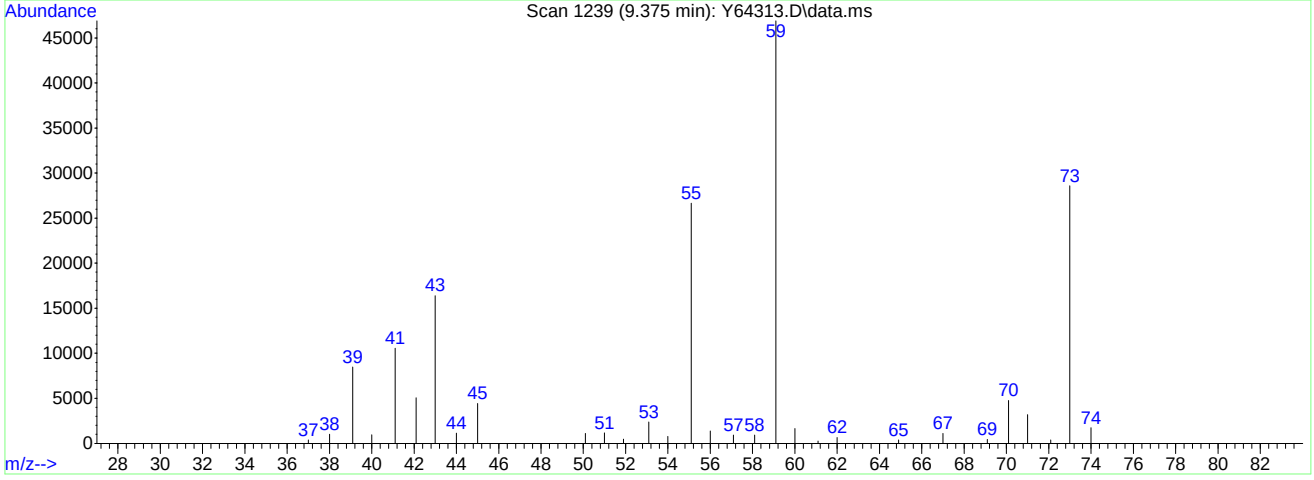
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	56.80
73.10	53.50	60.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:33:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64313.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 96.03ug/L m

response 90666

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	56.80
73.10	53.50	60.92
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:48:25 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.498	96	727825	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	595423	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	309430	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.604	113	164710	50.07	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.14%			
49) 1,2-Dichloroethane-d4	9.206	65	196823	48.17	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.34%			
63) Toluene-d8	10.934	98	734974	48.61	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.22%			
86) 4-Bromofluorobenzene	13.008	174	234972	49.58	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.842	85	102247	32.79	ug/L	98
3) Acrolein	5.580	56	120900	103.86	ug/L	98
4) Chloromethane	3.177	50	108387	23.55	ug/L	98
5) 1,3-butadiene	3.341	39	109341	28.51	ug/L	97
6) Vinyl Chloride	3.311	62	117493	26.28	ug/L	98
7) Bromomethane	3.828	94	22348	25.13	ug/L	90
8) Chloroethane	4.029	64	56026	45.89	ug/L	99
9) Trichlorofluoromethane	4.248	101	129957	25.85	ug/L	97
10) Ethyl Ether	4.747	59	77500	24.98	ug/L	99
11) Ethanol	4.990	45	40392	300.95	ug/L	94
12) 1,2-Dichlorotrifluoroe...	5.039	67	87190	28.19	ug/L	99
13) 1,1-Dichloroethene	5.051	61	120166	26.14	ug/L	99
14) Freon 113	5.112	101	82554	27.21	ug/L	93
15) Carbon Disulfide	5.099	76	224149	24.71	ug/L	94
16) Iodomethane	5.276	142	15129	10.17	ug/L	94
17) Allyl chloride	5.793	41	115547	22.81	ug/L	94
18) Methylene Chloride	5.957	49	157095	29.66	ug/L	93
19) Acetone	6.036	43	260742	106.25	ug/L	94
20) Methyl acetate	6.231	43	577243	118.24	ug/L	97
21) trans-1,2-Dichloroethene	6.219	61	119232	25.16	ug/L	97
22) Hexane	6.334	56	69113m	23.59	ug/L	
23) Methyl Tert Butyl Ether	6.377	73	265704	28.82	ug/L	66
24) Tert Butyl Alcohol	6.529	59	287108	182.19	ug/L	97
25) Acetonitrile	6.785	41	225762	223.17	ug/L	95
26) Di-isopropyl ether	6.985	45	289832	25.14	ug/L	98
27) Chloroprene	7.180	53	23073	4.59	ug/L	94
28) 1,1-Dichloroethane	7.216	63	159341	26.49	ug/L	94
29) Acrylonitrile	7.296	53	346351	142.96	ug/L	100
30) ETBE	7.575	59	286925	26.21	ug/L	98
31) Vinyl acetate	7.600	43	1274082	132.57	ug/L	100
32) cis-1,2-Dichloroethene	8.032	96	97492	26.43	ug/L	97
33) 2,2-Dichloropropane	8.166	77	130619	27.16	ug/L	98
34) Bromochloromethane	8.293	128	46127	27.67	ug/L	95
35) Cyclohexane	8.293	56	176372	25.78	ug/L	96
36) Chloroform	8.378	83	158711	29.52	ug/L	96
37) Ethyl acetate	8.512	43	965056	138.82	ug/L	99
38) Tetrahydrofuran	8.585	42	68640	23.77	ug/L	95
40) Carbon Tetrachloride	8.555	117	107811	26.42	ug/L	98
41) 1,1,1-Trichloroethane	8.634	97	134834	27.68	ug/L	98
42) 2-Butanone	8.743	43	460313	115.60	ug/L	98
43) 1,1-Dichloropropene	8.780	75	127822	27.86	ug/L	92
44) tert-Butyl formate	8.896	59	395387	134.90	ug/L	98
45) Propionitrile	9.084	54	293669	228.17	ug/L	90
46) Methacrylonitrile	9.102	41	952218	228.20	ug/L	98
47) Benzene	9.060	78	405618	28.40	ug/L	97
48) TAME	9.169	73	278382	29.42	ug/L	92
50) Isobutyl Alcohol	9.273	42	154045	411.11	ug/L	97
51) 1,2-Dichloroethane	9.285	62	125004	26.24	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:48:25 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

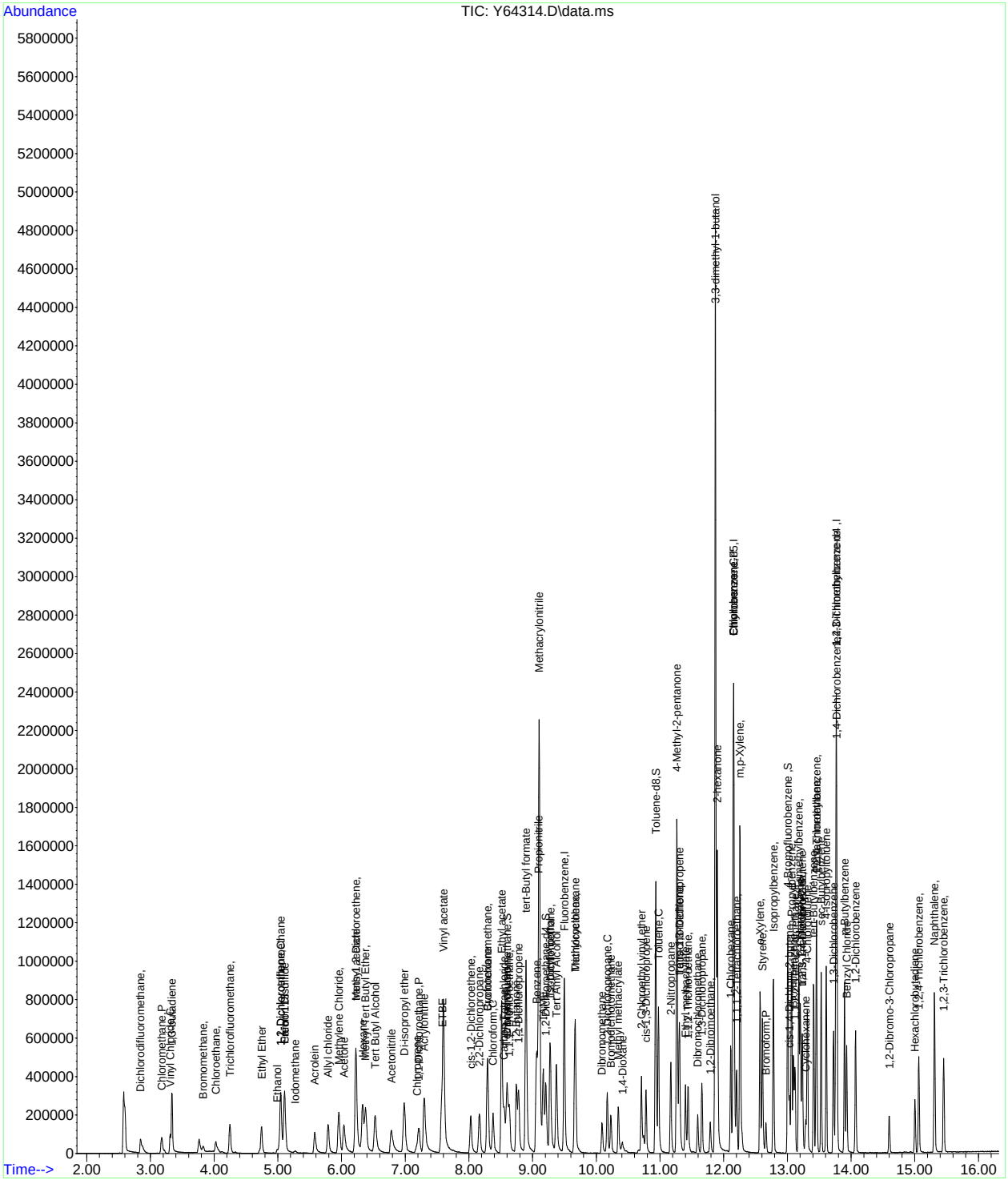
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	9.376	59	242528m	237.36	ug/L		
53) Trichloroethene	9.674	95	99247	28.32	ug/L		97
54) Methylcyclohexane	9.662	83	175344	27.47	ug/L		95
55) Dibromomethane	10.088	93	54840	26.78	ug/L		96
56) 1,2-Dichloropropane	10.173	63	97291	25.88	ug/L		93
57) Bromodichloromethane	10.228	83	103453	25.98	ug/L		96
58) Methyl methacrylate	10.343	41	110468	23.22	ug/L		95
59) 1,4-Dioxane	10.410	88	40853	364.68	ug/L		90
60) 2-Chloroethyl vinyl ether	10.708	63	138516	208.57	ug/L		97
61) cis-1,3-Dichloropropene	10.781	75	140524	26.43	ug/L		93
64) Toluene	10.976	91	437942	26.37	ug/L		97
65) 2-Nitropropane	11.171	41	217374	101.57	ug/L		98
66) 4-Methyl-2-pentanone	11.262	43	910852	112.56	ug/L		99
67) trans-1,3-Dichloropropene	11.311	75	119985	24.12	ug/L	#	74
68) Tetrachloroethene	11.305	166	108537	25.89	ug/L		96
69) Ethyl methacrylate	11.402	69	148020	25.26	ug/L		88
70) 1,1,2-Trichloroethane	11.445	83	75949	27.55	ug/L		94
71) Dibromochloromethane	11.591	129	84159	23.69	ug/L		99
72) 1,3-Dichloropropane	11.657	76	163888	26.87	ug/L		94
73) 1,2-Dibromoethane	11.791	107	92002	25.30	ug/L		99
74) 3,3-dimethyl-1-butanol	11.870	57	1728188	1011.98	ug/L		98
75) 2-hexanone	11.901	43	713486	105.58	ug/L		95
76) 1-Chlorohexane	12.114	91	137275	24.93	ug/L		87
77) Ethylbenzene	12.156	91	485801	25.08	ug/L		97
78) Chlorobenzene	12.162	112	266591	24.85	ug/L		98
79) 1,1,1,2-Tetrachloroethane	12.205	131	88350	23.69	ug/L		98
80) m,p-Xylene	12.254	91	752208	50.71	ug/L		99
81) o-Xylene	12.570	91	365669	25.16	ug/L		100
82) Styrene	12.606	104	274620	24.09	ug/L		97
83) Bromoform	12.661	173	53126	20.81	ug/L		98
84) Isopropylbenzene	12.783	105	465596	25.85	ug/L		99
87) cis-1,4-Dichloro-2-butene	13.032	53	44276	19.87	ug/L		92
88) n-Propylbenzene	13.063	91	572136	25.83	ug/L		98
89) Bromobenzene	13.099	156	108448	25.57	ug/L		85
90) 1,1,2,2-Tetrachloroethane	13.117	83	150375	25.59	ug/L		97
91) 1,3,5-Trimethylbenzene	13.178	105	394643	25.77	ug/L		97
92) 2-Chlorotoluene	13.203	91	361894	24.85	ug/L		100
93) trans-1,4-Dichloro-2-B...	13.239	53	41198	19.82	ug/L	#	58
94) 1,2,3-Trichloropropane	13.233	110	51059	25.66	ug/L		95
95) Cyclohexanone	13.288	55	53071	91.92	ug/L		96
96) 4-Chlorotoluene	13.312	91	319410	24.77	ug/L		98
97) tert-Butylbenzene	13.416	91	206747	24.12	ug/L		92
98) 1,2,4-Trimethylbenzene	13.452	105	380202	25.19	ug/L		99
99) Pentachloroethane	13.464	167	57028	23.67	ug/L		96
100) sec-Butylbenzene	13.531	105	465002	24.95	ug/L		99
101) 4-Isopropyltoluene	13.610	119	390280	24.00	ug/L		98
102) 1,3-Dichlorobenzene	13.726	146	198161	24.62	ug/L		97
103) 1,2,3-Trimethylbenzene	13.762	105	373125	24.96	ug/L		98
104) 1,4-Dichlorobenzene	13.781	146	205256	24.19	ug/L		94
105) n-Butylbenzene	13.896	92	194521	23.41	ug/L		99
106) Benzyl Chloride	13.933	126	64363	23.93	ug/L		98
107) 1,2-Dichlorobenzene	14.073	146	194306	24.79	ug/L		98
108) 1,2-Dibromo-3-Chloropr...	14.596	75	34094	21.18	ug/L		97
109) Hexachlorobutadiene	15.003	225	36393	19.39	ug/L		94
110) 1,2,4-Trichlorobenzene	15.064	180	123771	23.91	ug/L		98
111) Naphthalene	15.308	128	539708	24.32	ug/L		100
112) 1,2,3-Trichlorobenzene	15.454	180	124089	24.28	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:48:25 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

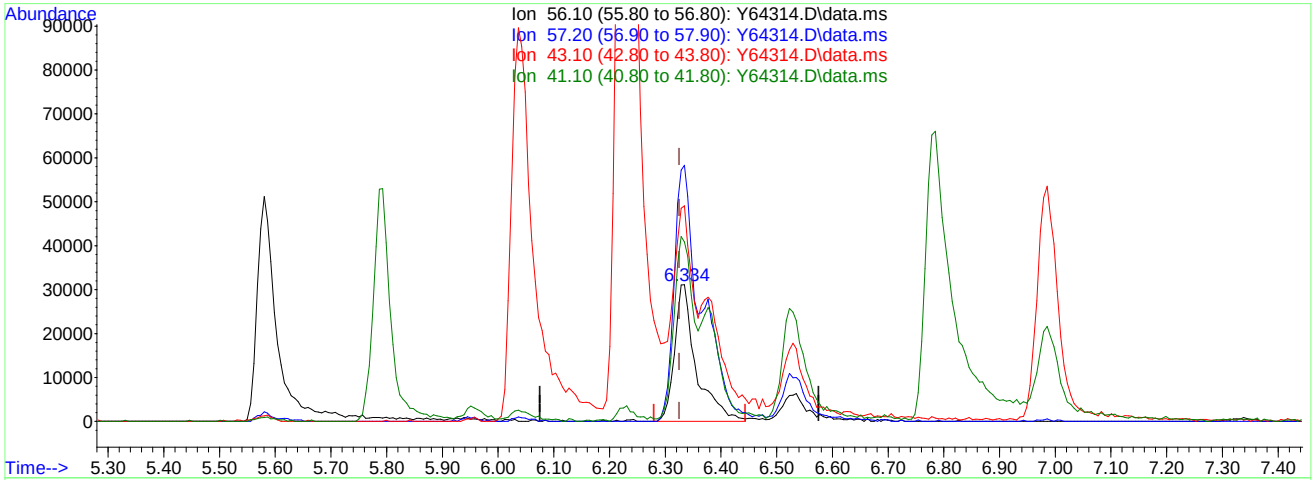
Sample Number: VY2666-IC2666
Lab FileID: Y64314.D
Injection Time: 08/29/22 14:19
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

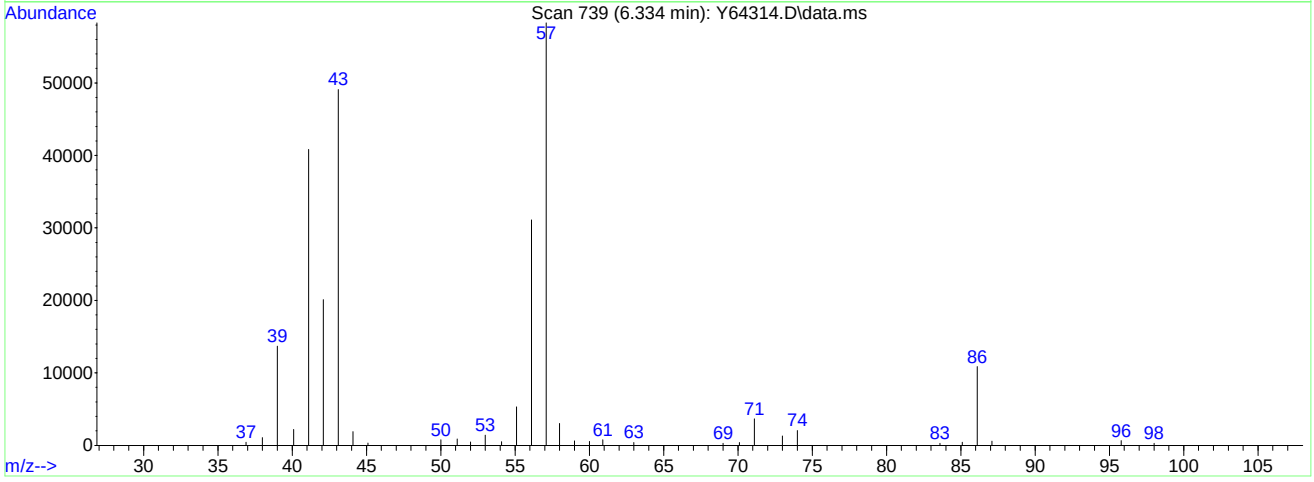
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:33:50 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64314.D\data.ms

(22) Hexane

6.334min (+0.009) 29.00ug/L

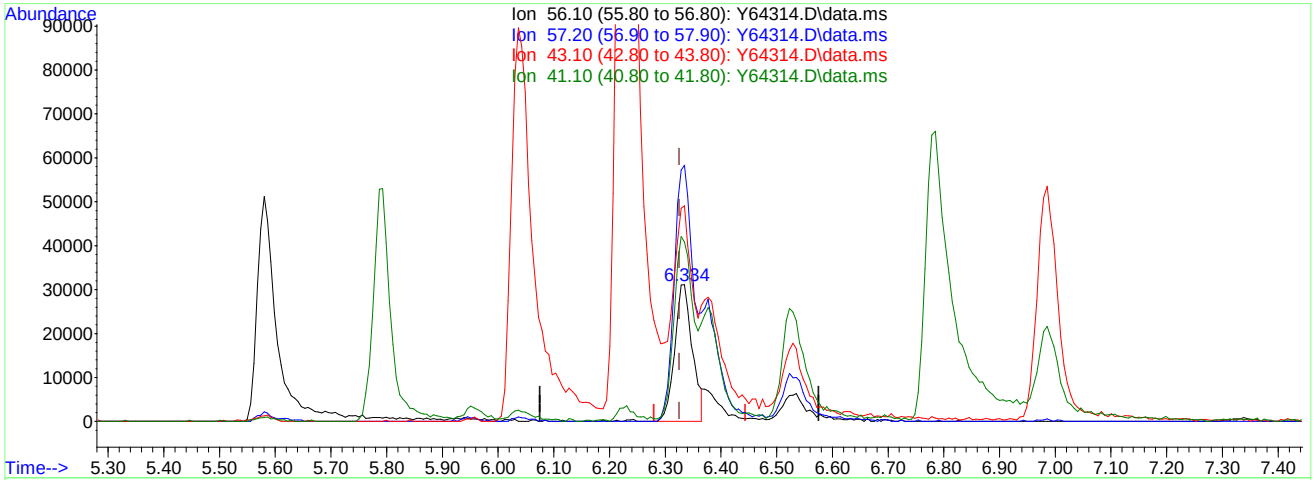
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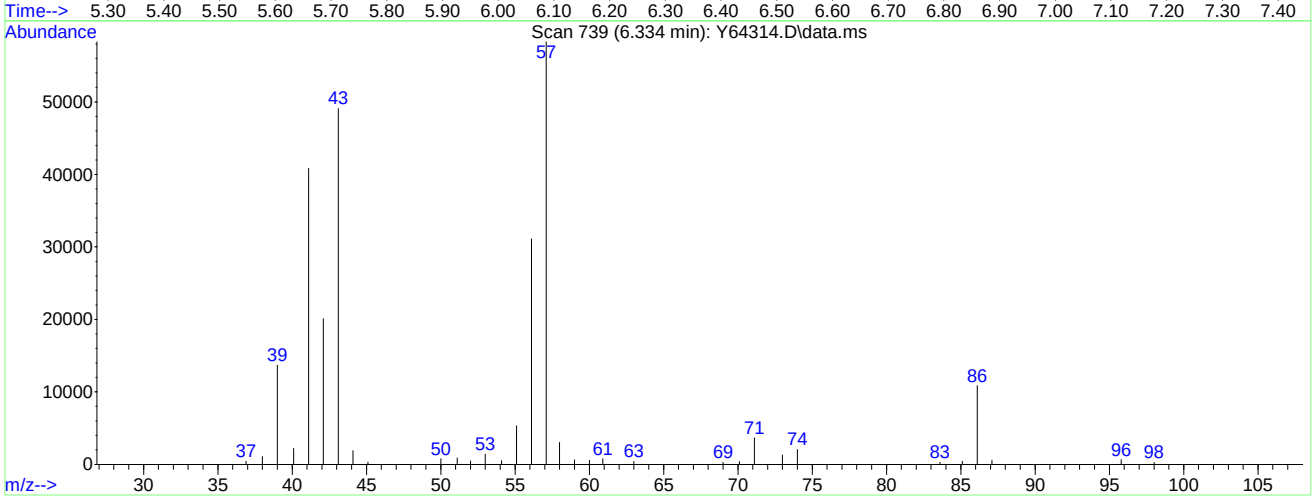
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	187.35
43.10	76.70	141.11#
41.10	144.30	129.40

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:33:50 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64314.D\data.ms

(22) Hexane

6.334min (+0.009) 23.59ug/L m

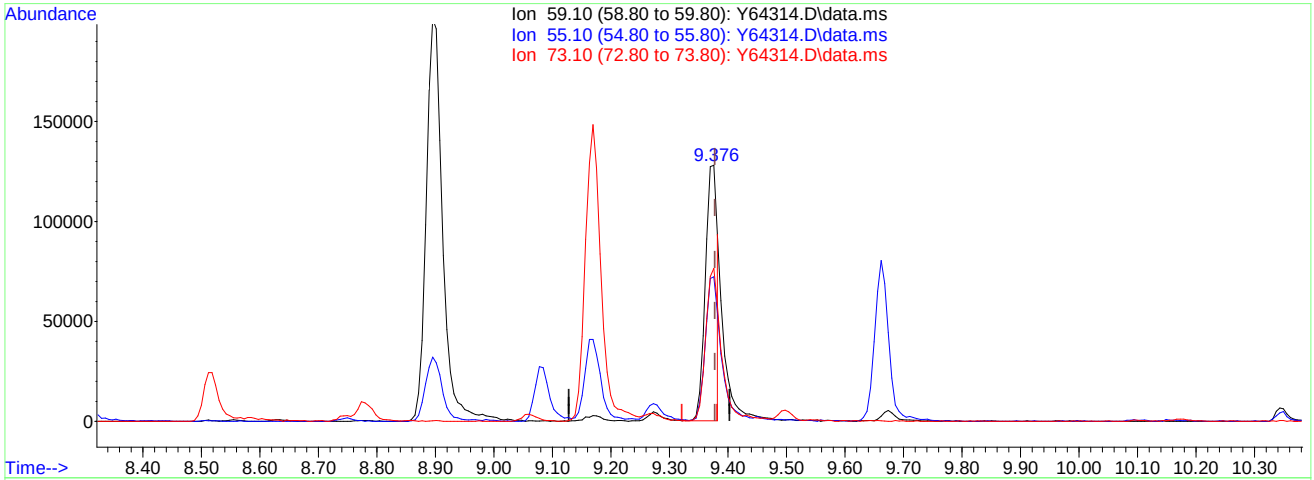
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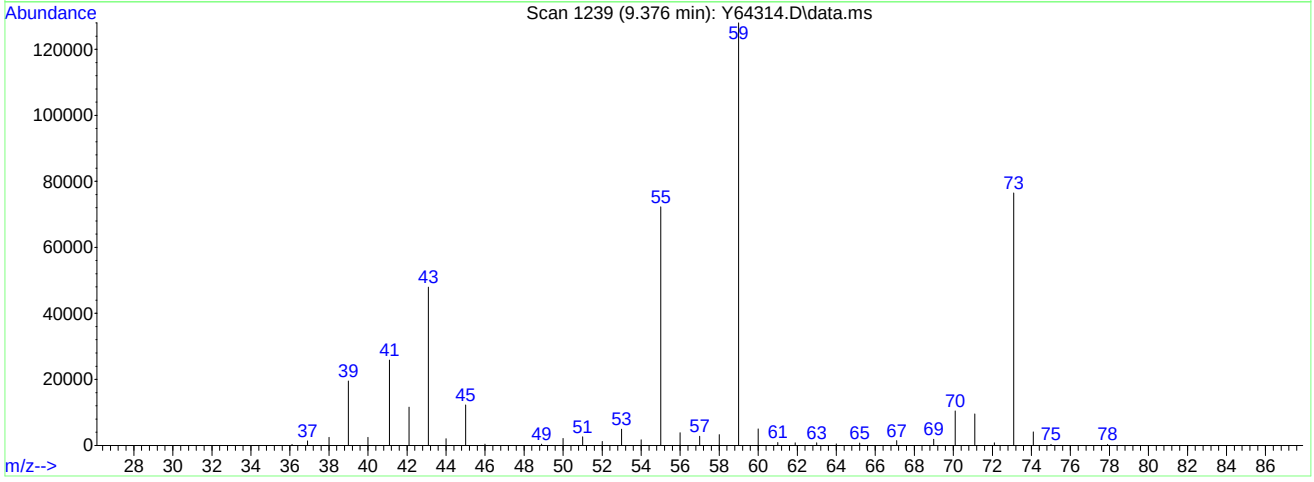
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	187.35
43.10	76.70	157.71#
41.10	144.30	131.23

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:33:50 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64314.D\data.ms

(52) Tert Amyl Alcohol

9.376min (-0.002) 182.38ug/L

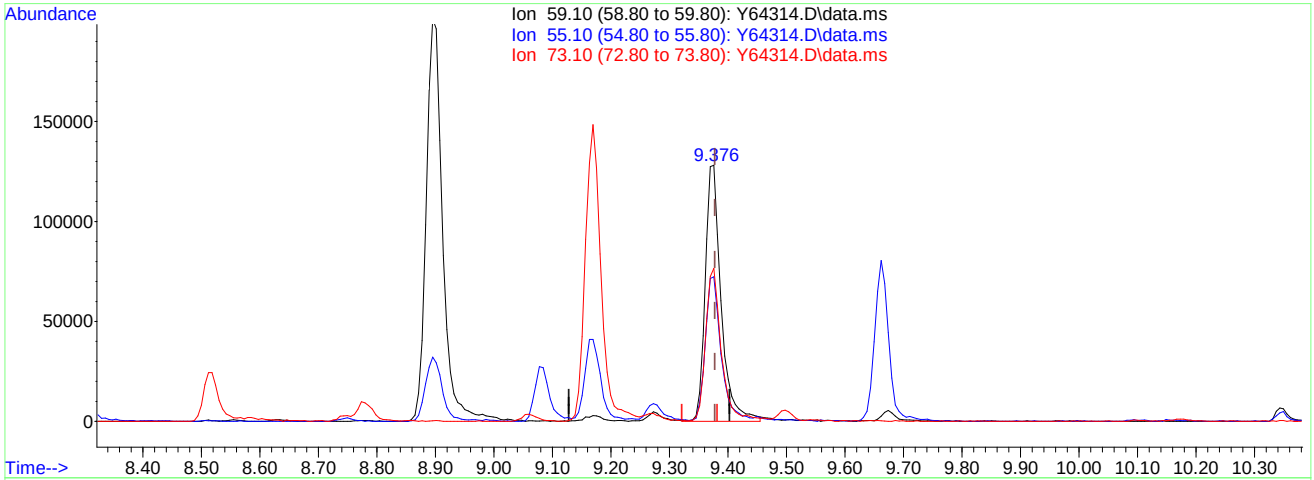
response 182260

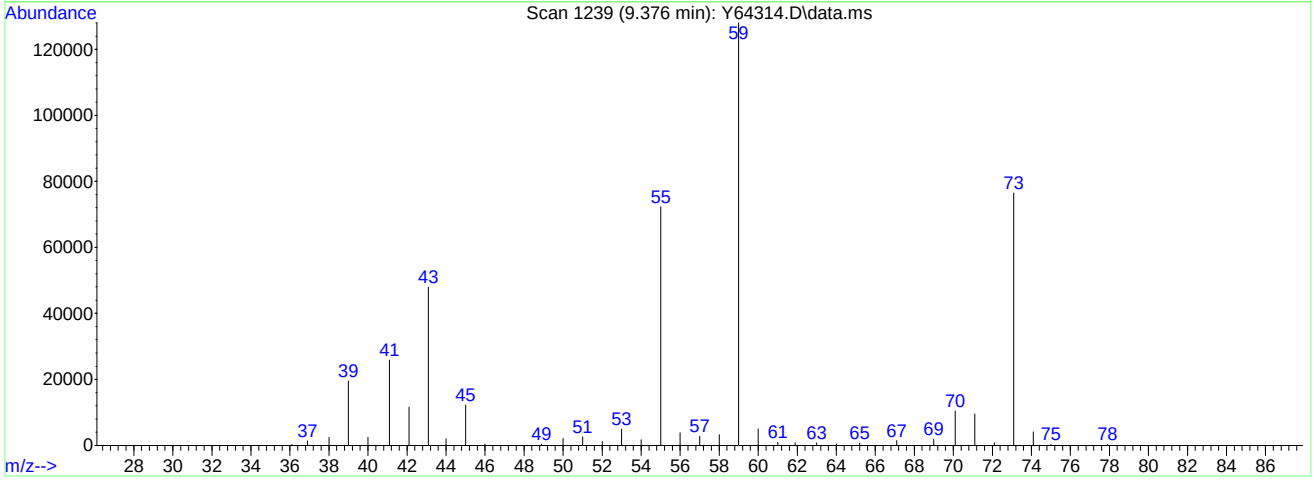
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	55.88
73.10	53.50	59.32
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:33:50 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64314.D\data.ms

(52) Tert Amyl Alcohol

9.376min (-0.002) 237.36ug/L m

response 242528

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	56.42
73.10	53.50	59.72
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:49:22 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	767973	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	617075	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	336296	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	173950	50.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.24%			
49) 1,2-Dichloroethane-d4	9.211	65	206771	47.96	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.92%			
63) Toluene-d8	10.932	98	770670	49.18	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.36%			
86) 4-Bromofluorobenzene	13.007	174	255223	49.55	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	171398	51.35	ug/L	98
3) Acrolein	5.579	56	236442	192.51	ug/L	96
4) Chloromethane	3.176	50	174411	35.92	ug/L	99
5) 1,3-butadiene	3.340	39	188315	48.22	ug/L	97
6) Vinyl Chloride	3.310	62	192998	40.92	ug/L	95
7) Bromomethane	3.827	94	47290	48.22	ug/L	99
8) Chloroethane	4.028	64	72853	56.56	ug/L	97
9) Trichlorofluoromethane	4.241	101	223298	42.09	ug/L	99
10) Ethyl Ether	4.746	59	135375	41.36	ug/L	97
11) Ethanol	5.001	45	89698	618.59	ug/L	97
12) 1,2-Dichlorotrifluoroe...	5.044	67	149324	45.76	ug/L	97
13) 1,1-Dichloroethene	5.050	61	204219	42.10	ug/L	96
14) Freon 113	5.104	101	143409	44.77	ug/L	94
15) Carbon Disulfide	5.098	76	399762	41.76	ug/L	97
16) Iodomethane	5.281	142	37319	23.77	ug/L	92
17) Allyl chloride	5.792	41	214194	40.07	ug/L	94
18) Methylene Chloride	5.956	49	245918	44.00	ug/L	90
19) Acetone	6.041	43	414543	160.09	ug/L	99
20) Methyl acetate	6.230	43	1007115	191.71	ug/L	97
21) trans-1,2-Dichloroethene	6.218	61	205080	40.81	ug/L	96
22) Hexane	6.333	56	122650m	40.70	ug/L	
23) Methyl Tert Butyl Ether	6.376	73	465899	47.89	ug/L	91
24) Tert Butyl Alcohol	6.534	59	512606	308.27	ug/L	99
25) Acetonitrile	6.784	41	418817	382.39	ug/L	99
26) Di-isopropyl ether	6.984	45	501786	41.26	ug/L	99
27) Chloroprene	7.179	53	41756	7.87	ug/L	94
28) 1,1-Dichloroethane	7.215	63	261937	41.27	ug/L	98
29) Acrylonitrile	7.301	53	503708	193.25	ug/L	99
30) ETBE	7.574	59	483002	41.82	ug/L	98
31) Vinyl acetate	7.599	43	2004703	193.79	ug/L	99
32) cis-1,2-Dichloroethene	8.031	96	166967	43.04	ug/L	95
33) 2,2-Dichloropropane	8.164	77	227473	44.83	ug/L	99
34) Bromochloromethane	8.292	128	76749	44.00	ug/L	92
35) Cyclohexane	8.292	56	306895	42.54	ug/L	95
36) Chloroform	8.377	83	265841	46.85	ug/L	96
37) Ethyl acetate	8.511	43	1432650	195.31	ug/L	99
38) Tetrahydrofuran	8.590	42	112259	36.84	ug/L	94
40) Carbon Tetrachloride	8.554	117	185038	42.97	ug/L	98
41) 1,1,1-Trichloroethane	8.633	97	230105	44.76	ug/L	99
42) 2-Butanone	8.742	43	733722	174.63	ug/L	98
43) 1,1-Dichloropropene	8.779	75	214701	44.06	ug/L	92
44) tert-Butyl formate	8.901	59	765340	247.48	ug/L	98
45) Propionitrile	9.083	54	529091	389.60	ug/L	98
46) Methacrylonitrile	9.107	41	1736773	394.46	ug/L	100
47) Benzene	9.059	78	674847	44.78	ug/L	97
48) TAME	9.168	73	470604	46.36	ug/L	92
50) Isobutyl Alcohol	9.272	42	304128	725.98	ug/L	97
51) 1,2-Dichloroethane	9.278	62	208864	41.56	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:49:22 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

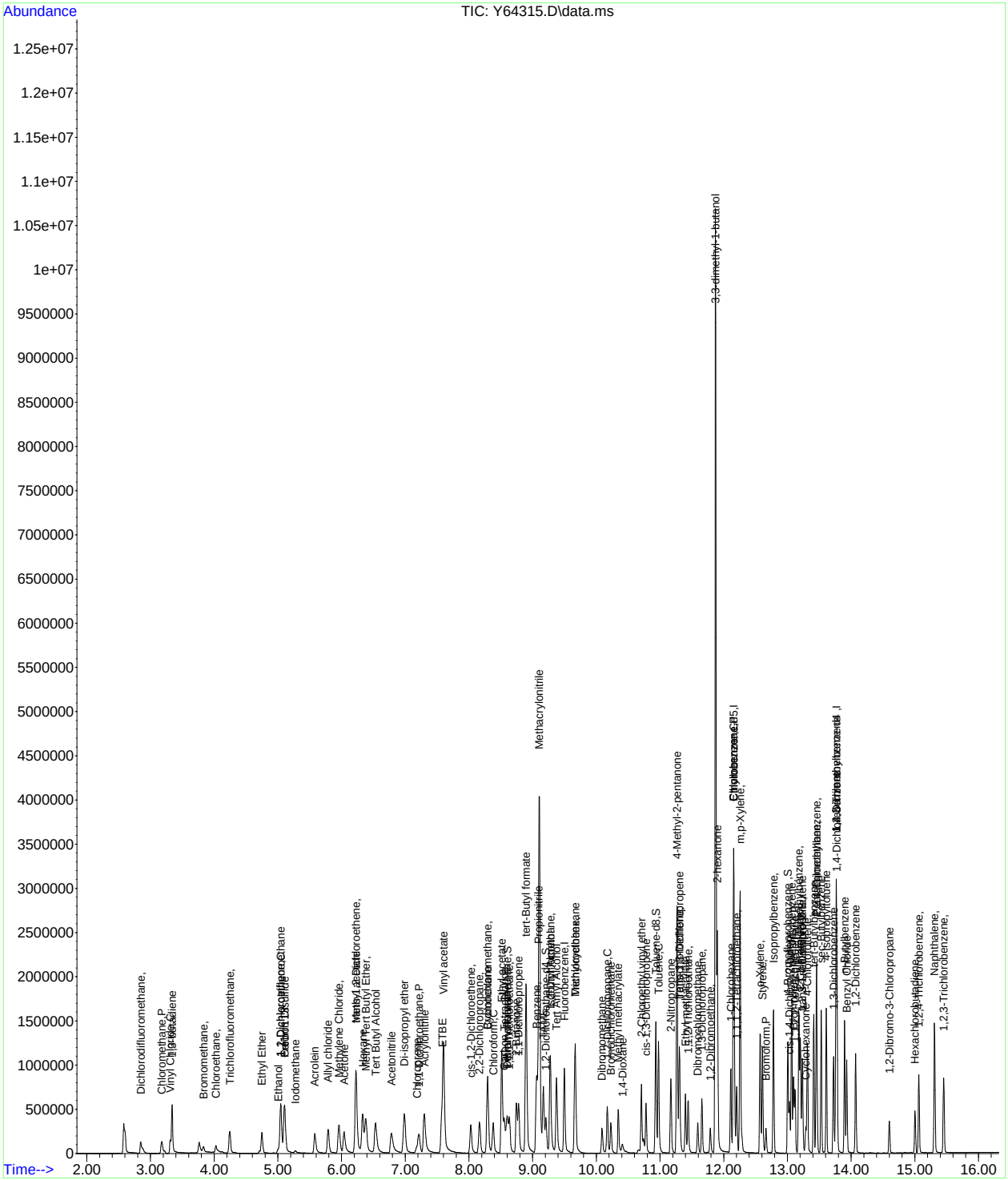
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Tert Amyl Alcohol	9.375	59	434506m	381.16 ug/L		
53) Trichloroethene	9.673	95	166907	45.13 ug/L		98
54) Methylcyclohexane	9.661	83	307047	45.43 ug/L		91
55) Dibromomethane	10.087	93	93888	43.33 ug/L		95
56) 1,2-Dichloropropane	10.172	63	164096	41.27 ug/L		96
57) Bromodichloromethane	10.227	83	182872	42.90 ug/L		96
58) Methyl methacrylate	10.342	41	211580	40.77 ug/L		96
59) 1,4-Dioxane	10.409	88	76872	650.66 ug/L		91
60) 2-Chloroethyl vinyl ether	10.707	63	260123	344.76 ug/L		96
61) cis-1,3-Dichloropropene	10.780	75	242280	42.57 ug/L		92
64) Toluene	10.975	91	727818	42.29 ug/L		99
65) 2-Nitropropane	11.170	41	383462	168.92 ug/L		99
66) 4-Methyl-2-pentanone	11.267	43	1441830	171.93 ug/L		99
67) trans-1,3-Dichloropropene	11.310	75	211479	40.45 ug/L	#	75
68) Tetrachloroethene	11.304	166	183069	42.14 ug/L		97
69) Ethyl methacrylate	11.401	69	275741	44.04 ug/L		89
70) 1,1,2-Trichloroethane	11.443	83	128472	44.97 ug/L		95
71) Dibromochloromethane	11.596	129	144814	39.10 ug/L		98
72) 1,3-Dichloropropane	11.656	76	275562	43.60 ug/L		94
73) 1,2-Dibromoethane	11.790	107	160507	42.42 ug/L		96
74) 3,3-dimethyl-1-butanol	11.869	57	3616133	1992.91 ug/L		98
75) 2-hexanone	11.900	43	1168681	157.31 ug/L		96
76) 1-Chlorohexane	12.113	91	242177	42.07 ug/L		88
77) Ethylbenzene	12.155	91	814885	40.59 ug/L		98
78) Chlorobenzene	12.161	112	454890	40.91 ug/L		97
79) 1,1,1,2-Tetrachloroethane	12.204	131	147400	37.95 ug/L		98
80) m,p-Xylene	12.259	91	1275170	82.95 ug/L		97
81) o-Xylene	12.575	91	619105	41.11 ug/L		99
82) Styrene	12.611	104	476288	39.52 ug/L		96
83) Bromoform	12.666	173	99856	36.83 ug/L		98
84) Isopropylbenzene	12.782	105	792992	42.48 ug/L		98
87) cis-1,4-Dichloro-2-butene	13.031	53	87151	35.99 ug/L		92
88) n-Propylbenzene	13.068	91	960328	39.89 ug/L		99
89) Bromobenzene	13.098	156	191372	41.52 ug/L	#	76
90) 1,1,2,2-Tetrachloroethane	13.123	83	252637	39.56 ug/L		99
91) 1,3,5-Trimethylbenzene	13.177	105	655052	39.36 ug/L		98
92) 2-Chlorotoluene	13.202	91	614419	38.82 ug/L		99
93) trans-1,4-Dichloro-2-B...	13.238	53	73557	31.84 ug/L	#	55
94) 1,2,3-Trichloropropane	13.232	110	86516	40.01 ug/L		93
95) Cyclohexanone	13.287	55	91173	145.30 ug/L		94
96) 4-Chlorotoluene	13.311	91	538383	38.41 ug/L		100
97) tert-Butylbenzene	13.415	91	362311	38.89 ug/L		96
98) 1,2,4-Trimethylbenzene	13.457	105	640763	39.07 ug/L		97
99) Pentachloroethane	13.463	167	110023	42.02 ug/L		96
100) sec-Butylbenzene	13.530	105	804215	39.70 ug/L		98
101) 4-Isopropyltoluene	13.609	119	667241	37.76 ug/L		99
102) 1,3-Dichlorobenzene	13.725	146	333905	38.17 ug/L		98
103) 1,2,3-Trimethylbenzene	13.761	105	639309	39.34 ug/L		97
104) 1,4-Dichlorobenzene	13.780	146	350296	37.99 ug/L		96
105) n-Butylbenzene	13.895	92	330382	35.83 ug/L		98
106) Benzyl Chloride	13.932	126	115817	38.40 ug/L		95
107) 1,2-Dichlorobenzene	14.072	146	327874	38.48 ug/L		97
108) 1,2-Dibromo-3-Chloropr...	14.601	75	63913	36.52 ug/L		92
109) Hexachlorobutadiene	15.008	225	66567	32.25 ug/L		93
110) 1,2,4-Trichlorobenzene	15.063	180	217463	38.65 ug/L		98
111) Naphthalene	15.306	128	938421	38.90 ug/L		99
112) 1,2,3-Trichlorobenzene	15.452	180	213445	38.44 ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:49:22 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

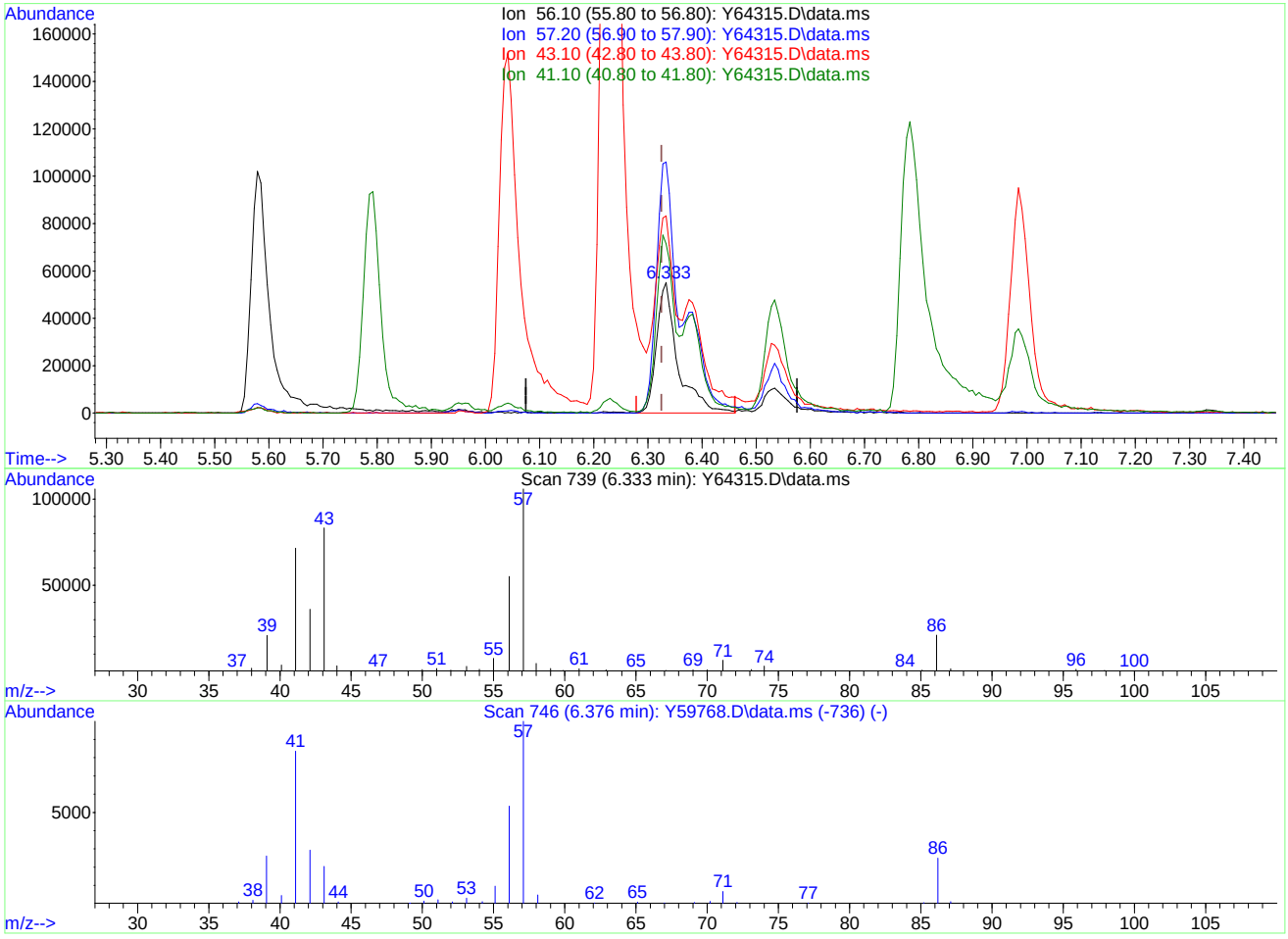
Sample Number: VY2666-ICC2666
Lab FileID: Y64315.D
Injection Time: 08/29/22 14:44
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:33:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64315.D\data.ms

(22) Hexane

6.333min (+0.008) 50.56ug/L

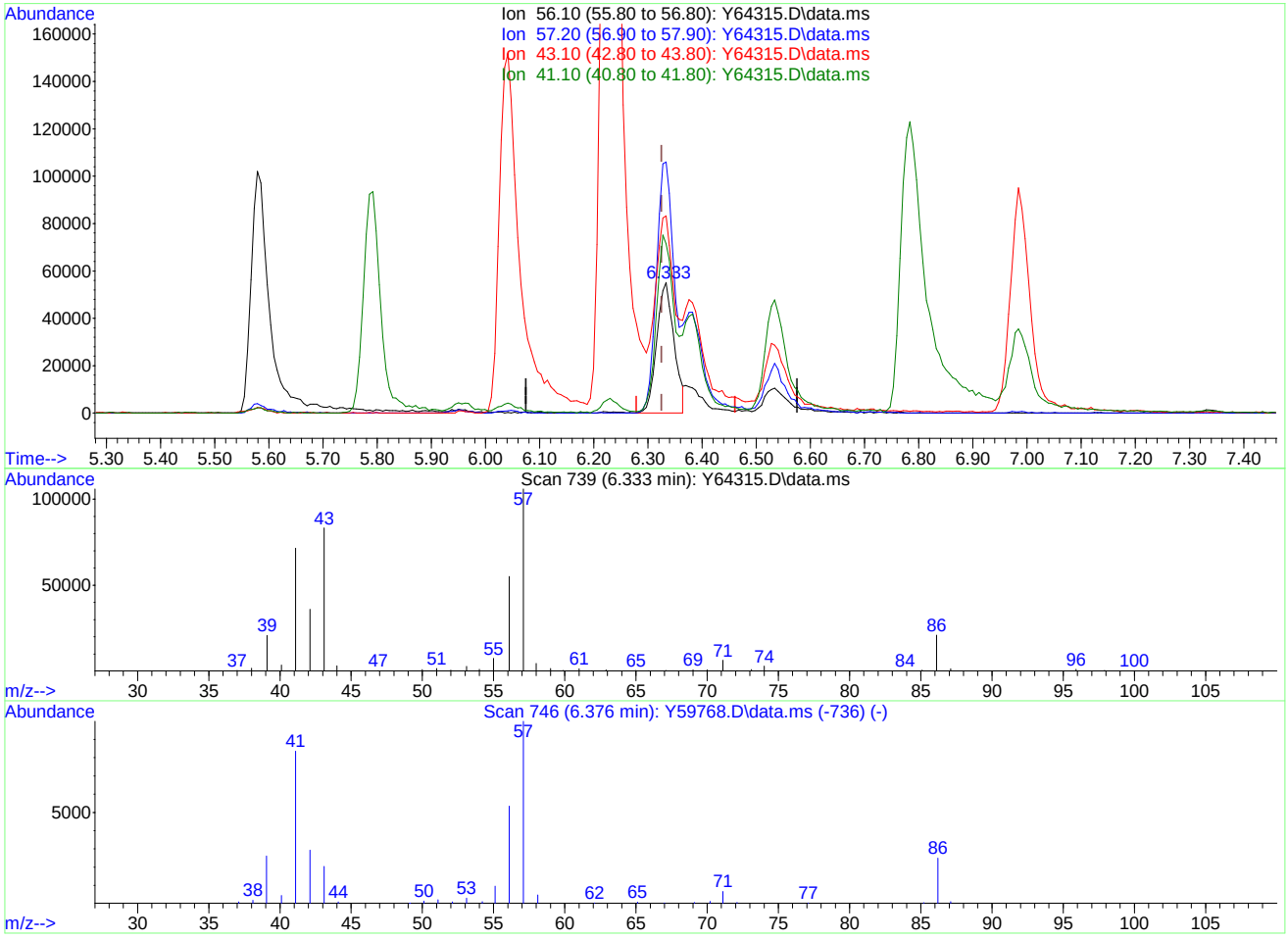
response 150108

Ion	Exp%	Act%
56.10	100	100
57.20	204.80	191.41
43.10	76.70	138.92#
41.10	144.30	128.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:33:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64315.D\data.ms

(22) Hexane

6.333min (+0.008) 40.70ug/L m

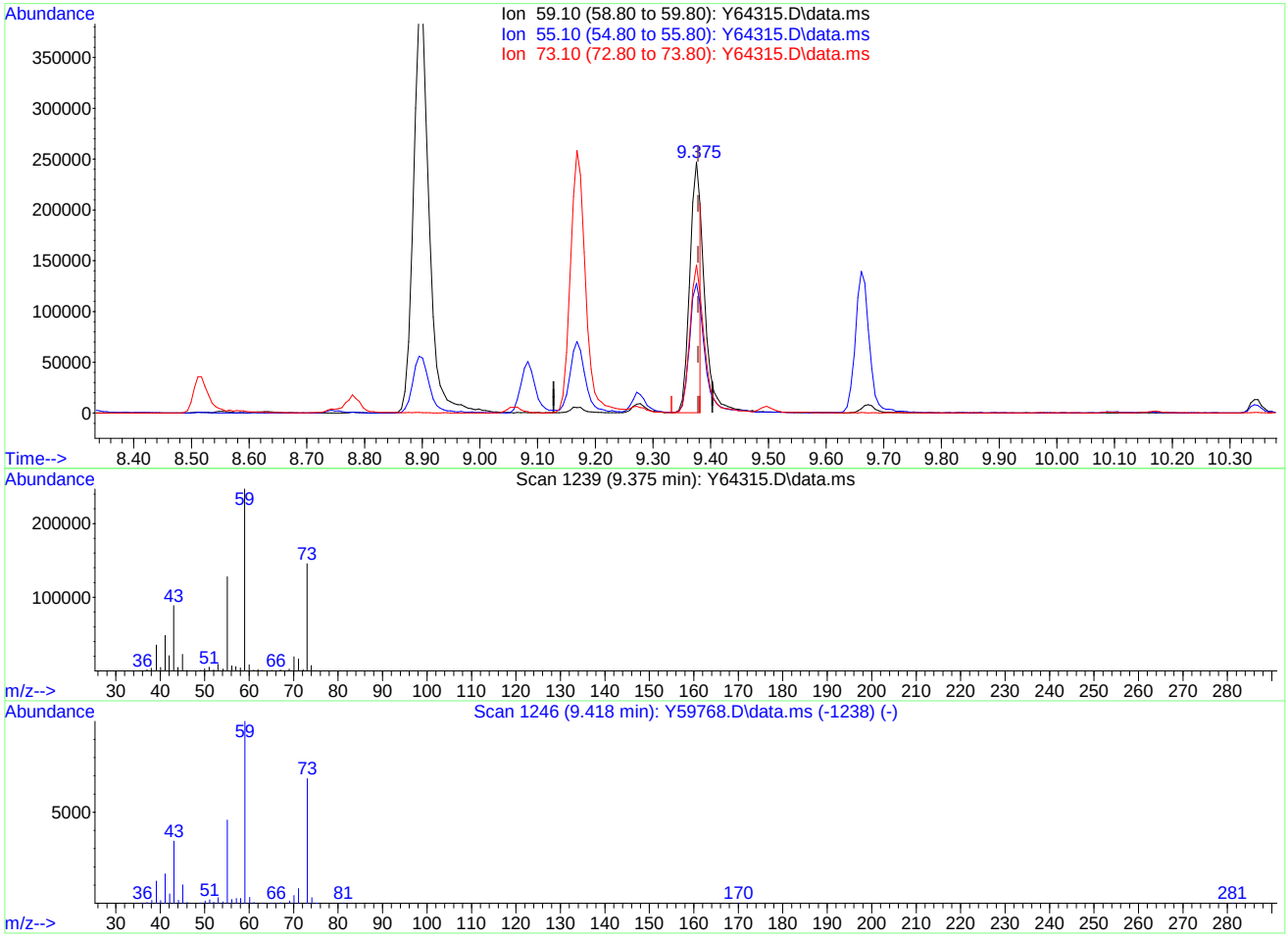
response 122650

Ion	Exp%	Act%
56.10	100	100
57.20	204.80	192.26
43.10	76.70	151.02#
41.10	144.30	129.65

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:33:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64315.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 282.27ug/L

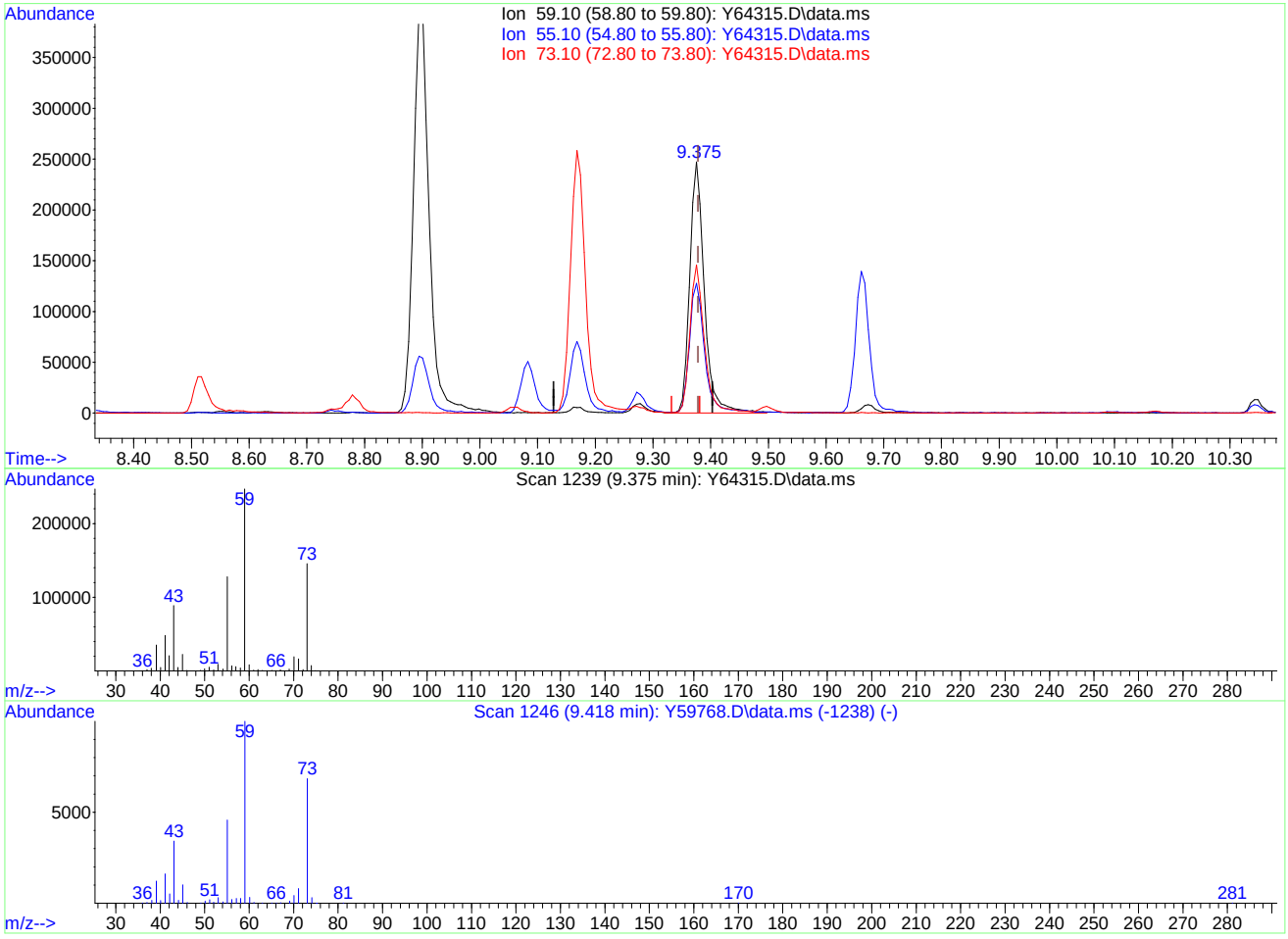
response 309773

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	51.44
73.10	53.50	58.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:33:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64315.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 381.16ug/L m

response 434506

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	51.69
73.10	53.50	58.97
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:50:12 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	797403	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	655739	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	357347	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	183087	50.80	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.60%			
49) 1,2-Dichloroethane-d4	9.211	65	214910	48.01	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.02%			
63) Toluene-d8	10.933	98	811558	48.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.46%			
86) 4-Bromofluorobenzene	13.007	174	276055	50.44	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	328553	91.94	ug/L	99
3) Acrolein	5.585	56	439661	344.75	ug/L	96
4) Chloromethane	3.176	50	337842	67.00	ug/L	98
5) 1,3-butadiene	3.335	39	320985	84.89	ug/L	99
6) Vinyl Chloride	3.310	62	392402	80.12	ug/L	96
7) Bromomethane	3.833	94	89151	82.31	ug/L	93
8) Chloroethane	4.028	64	135873	101.59	ug/L	97
9) Trichlorofluoromethane	4.235	101	499701	90.71	ug/L	98
10) Ethyl Ether	4.758	59	254716	74.94	ug/L	95
11) Ethanol	5.032	45	189559	1206.82	ug/L	97
12) 1,2-Dichlorotrifluoroe...	5.038	67	280101	82.67	ug/L	97
13) 1,1-Dichloroethene	5.044	61	394311	78.29	ug/L	96
14) Freon 113	5.105	101	279551	83.93	ug/L	95
15) Carbon Disulfide	5.093	76	767322	77.20	ug/L	97
16) Iodomethane	5.269	142	80980	49.68	ug/L	96
17) Allyl chloride	5.786	41	367949	66.29	ug/L	96
18) Methylene Chloride	5.957	49	428357	73.82	ug/L	93
19) Acetone	6.048	43	881528	327.87	ug/L	97
20) Methyl acetate	6.230	43	2003268	352.29	ug/L	99
21) trans-1,2-Dichloroethene	6.218	61	389549	73.87	ug/L	97
22) Hexane	6.328	56	222153	74.85	ug/L #	90
23) Methyl Tert Butyl Ether	6.382	73	873414	86.47	ug/L	96
24) Tert Butyl Alcohol	6.553	59	1094220	633.76	ug/L	96
25) Acetonitrile	6.790	41	801821	673.75	ug/L	97
26) Di-isopropyl ether	6.991	45	953829	75.53	ug/L	98
27) Chloroprene	7.173	53	73609	13.36	ug/L	97
28) 1,1-Dichloroethane	7.210	63	502987	76.32	ug/L	97
29) Acrylonitrile	7.301	53	1058730	366.88	ug/L	100
30) ETBE	7.581	59	948290	79.07	ug/L	96
31) Vinyl acetate	7.599	43	4129899	364.47	ug/L	100
32) cis-1,2-Dichloroethene	8.025	96	316255	79.10	ug/L	98
33) 2,2-Dichloropropane	8.165	77	426393	80.93	ug/L	97
34) Bromochloromethane	8.293	128	140803	79.18	ug/L	91
35) Cyclohexane	8.293	56	561833	75.09	ug/L	97
36) Chloroform	8.378	83	504141	85.57	ug/L	95
37) Ethyl acetate	8.512	43	2984822	391.89	ug/L	99
38) Tetrahydrofuran	8.585	42	217610	68.78	ug/L	94
40) Carbon Tetrachloride	8.554	117	346735	77.56	ug/L	95
41) 1,1,1-Trichloroethane	8.633	97	438287	82.12	ug/L	95
42) 2-Butanone	8.743	43	1565707	358.90	ug/L	98
43) 1,1-Dichloropropene	8.779	75	409338	79.74	ug/L	94
44) tert-Butyl formate	8.901	59	1375651	428.41	ug/L	96
45) Propionitrile	9.083	54	1012881	718.31	ug/L	99
46) Methacrylonitrile	9.108	41	3384282	740.28	ug/L	99
47) Benzene	9.059	78	1288627	82.35	ug/L	97
48) TAME	9.169	73	899140	82.44	ug/L	90
50) Isobutyl Alcohol	9.278	42	621514	1296.73	ug/L	99
51) 1,2-Dichloroethane	9.278	62	403401	77.30	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:50:12 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

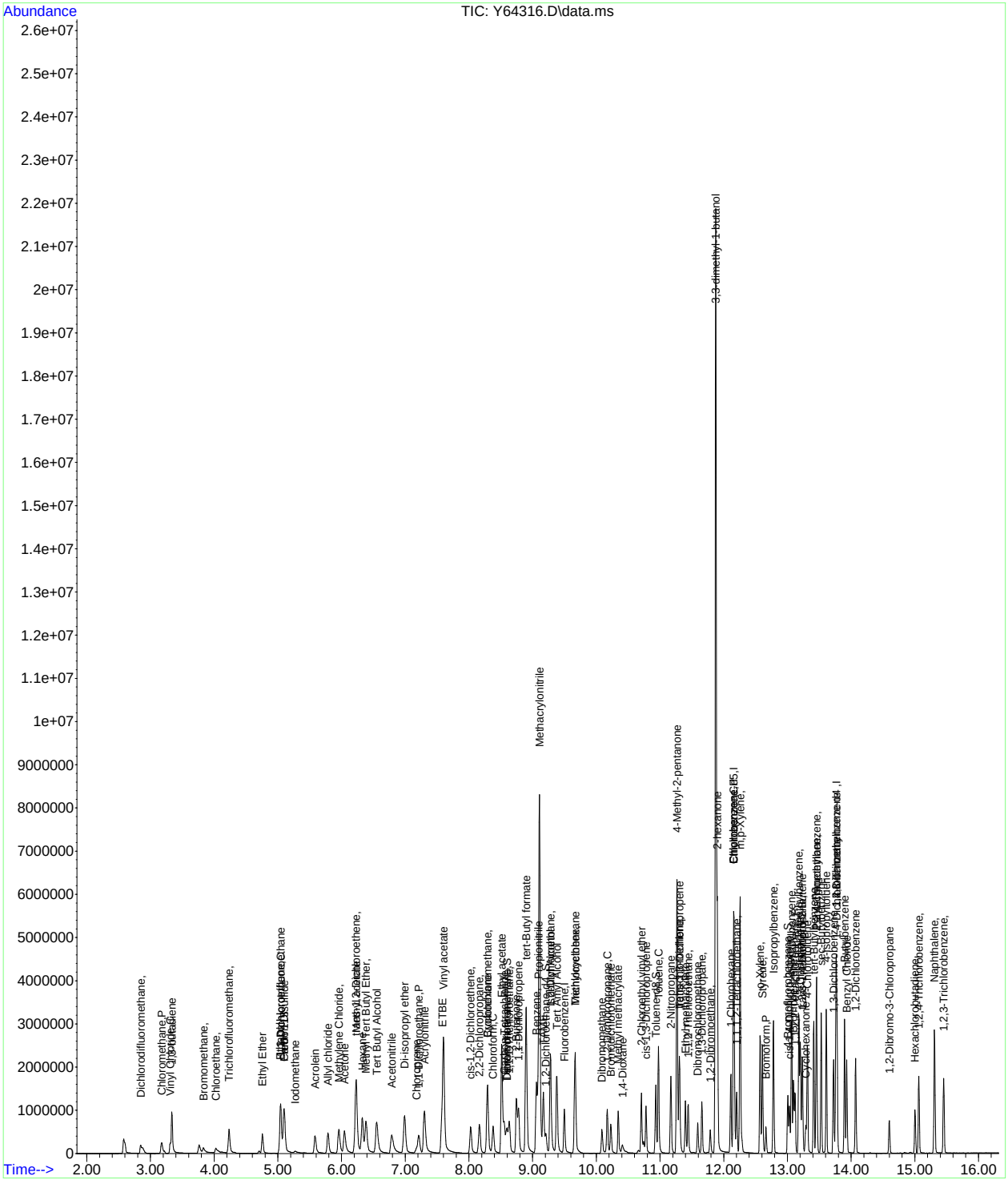
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Tert Amyl Alcohol	9.375	59	964761m	722.18 ug/L		
53) Trichloroethene	9.674	95	314201	81.83 ug/L		97
54) Methylcyclohexane	9.661	83	569850	80.64 ug/L		94
55) Dibromomethane	10.087	93	174441	77.07 ug/L		94
56) 1,2-Dichloropropane	10.172	63	307348	74.09 ug/L		95
57) Bromodichloromethane	10.227	83	348426	76.56 ug/L		98
58) Methyl methacrylate	10.343	41	392325	69.18 ug/L		96
59) 1,4-Dioxane	10.410	88	158842	1296.32 ug/L		94
60) 2-Chloroethyl vinyl ether	10.708	63	461394	535.51 ug/L		94
61) cis-1,3-Dichloropropene	10.781	75	470633	77.24 ug/L		92
64) Toluene	10.975	91	1387556	75.87 ug/L		100
65) 2-Nitropropane	11.170	41	785608	310.64 ug/L		99
66) 4-Methyl-2-pentanone	11.267	43	3179222	356.75 ug/L		99
67) trans-1,3-Dichloropropene	11.310	75	403568	70.82 ug/L	#	61
68) Tetrachloroethene	11.304	166	338903	73.42 ug/L		99
69) Ethyl methacrylate	11.401	69	502149	72.21 ug/L		89
70) 1,1,2-Trichloroethane	11.444	83	235304	77.51 ug/L		95
71) Dibromochloromethane	11.590	129	282155	70.85 ug/L		98
72) 1,3-Dichloropropane	11.657	76	515042	76.68 ug/L		96
73) 1,2-Dibromoethane	11.791	107	299166	73.88 ug/L		96
74) 3,3-dimethyl-1-butanol	11.876	57	7673262	3806.33 ug/L		97
75) 2-hexanone	11.900	43	3873240	390.00 ug/L		97
76) 1-Chlorohexane	12.113	91	461602	74.26 ug/L		88
77) Ethylbenzene	12.156	91	1595304	74.77 ug/L		97
78) Chlorobenzene	12.162	112	857844	72.61 ug/L		94
79) 1,1,1,2-Tetrachloroethane	12.204	131	284750	68.30 ug/L		99
80) m,p-Xylene	12.259	91	2529257	154.84 ug/L		99
81) o-Xylene	12.569	91	1209130	75.55 ug/L		99
82) Styrene	12.606	104	930827	70.00 ug/L		98
83) Bromoform	12.667	173	208024	68.85 ug/L		99
84) Isopropylbenzene	12.782	105	1535143	77.39 ug/L		97
87) cis-1,4-Dichloro-2-butene	13.032	53	168404	65.45 ug/L		91
88) n-Propylbenzene	13.068	91	1894656	74.07 ug/L		99
89) Bromobenzene	13.099	156	354753	72.43 ug/L		81
90) 1,1,2,2-Tetrachloroethane	13.123	83	499327	73.58 ug/L		97
91) 1,3,5-Trimethylbenzene	13.178	105	1308022	73.96 ug/L		97
92) 2-Chlorotoluene	13.202	91	1197583	71.21 ug/L		98
93) trans-1,4-Dichloro-2-B...	13.238	53	148067	57.64 ug/L	#	59
94) 1,2,3-Trichloropropane	13.232	110	168633	73.39 ug/L		97
95) Cyclohexanone	13.287	55	191055	286.54 ug/L		96
96) 4-Chlorotoluene	13.311	91	1072747	72.03 ug/L		99
97) tert-Butylbenzene	13.415	91	707383	71.45 ug/L		97
98) 1,2,4-Trimethylbenzene	13.457	105	1264207	72.54 ug/L		98
99) Pentachloroethane	13.464	167	198303	71.28 ug/L		98
100) sec-Butylbenzene	13.530	105	1581133	73.45 ug/L		98
101) 4-Isopropyltoluene	13.610	119	1360674	72.46 ug/L		98
102) 1,3-Dichlorobenzene	13.725	146	654488	70.40 ug/L		98
103) 1,2,3-Trimethylbenzene	13.762	105	1266212	73.33 ug/L		97
104) 1,4-Dichlorobenzene	13.780	146	677935	69.19 ug/L		99
105) n-Butylbenzene	13.895	92	679852	66.03 ug/L		98
106) Benzyl Chloride	13.932	126	235856	69.12 ug/L	#	89
107) 1,2-Dichlorobenzene	14.072	146	643611	71.09 ug/L		98
108) 1,2-Dibromo-3-Chloropr...	14.601	75	130152	70.00 ug/L		82
109) Hexachlorobutadiene	15.003	225	142552	63.20 ug/L		96
110) 1,2,4-Trichlorobenzene	15.064	180	436867	73.06 ug/L		99
111) Naphthalene	15.307	128	1855329	72.38 ug/L		99
112) 1,2,3-Trichlorobenzene	15.453	180	432170	73.24 ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:50:12 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: VY2666-IC2666
Lab FileID: Y64316.D
Injection Time: 08/29/22 15:09

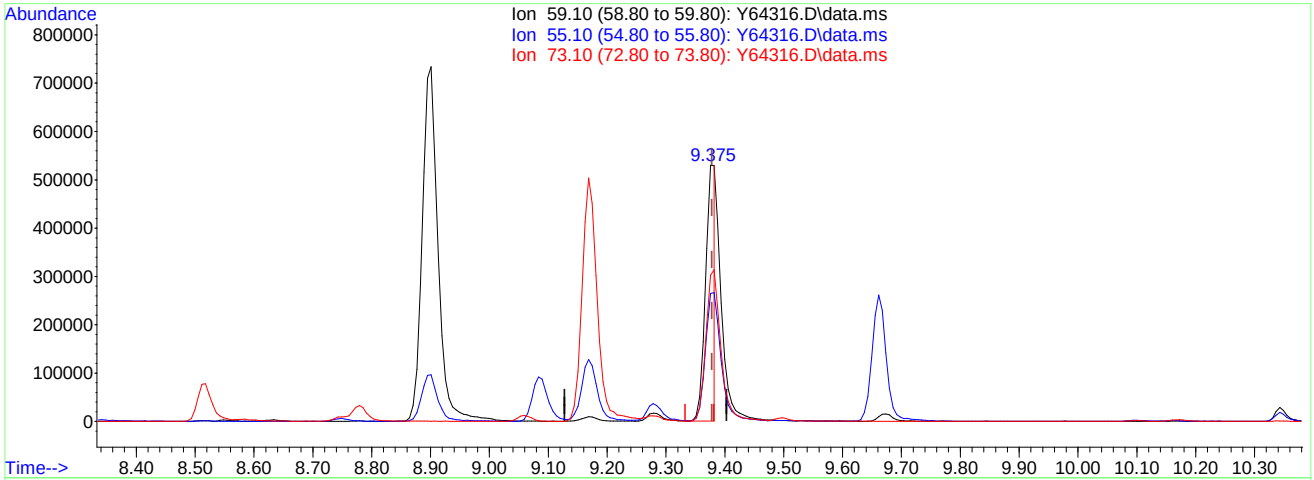
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

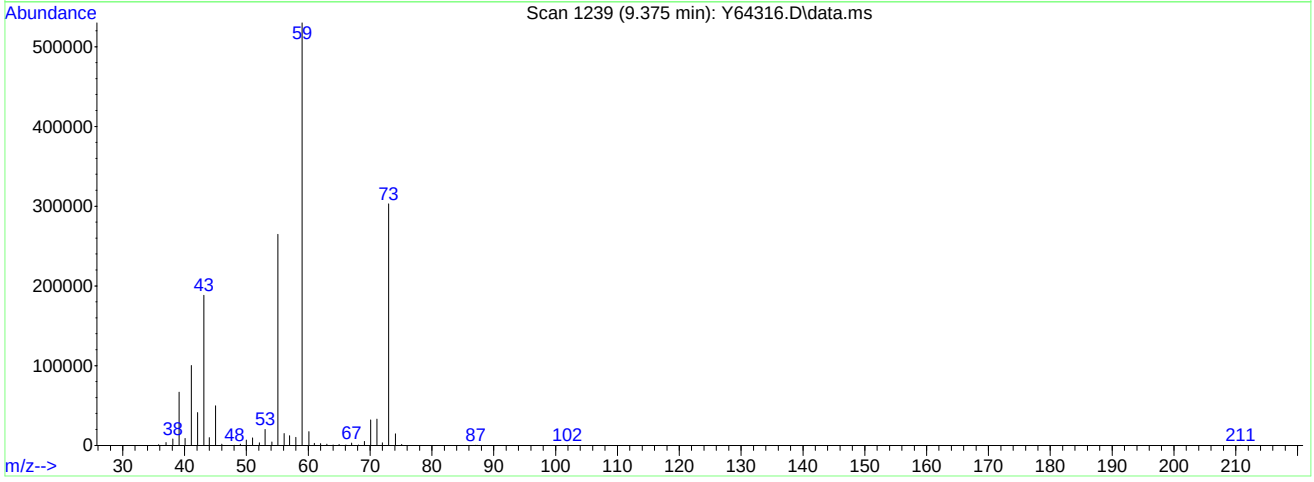
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert-Amyl Alcohol	75-85-4		9.38	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:33:52 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64316.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 486.95ug/L

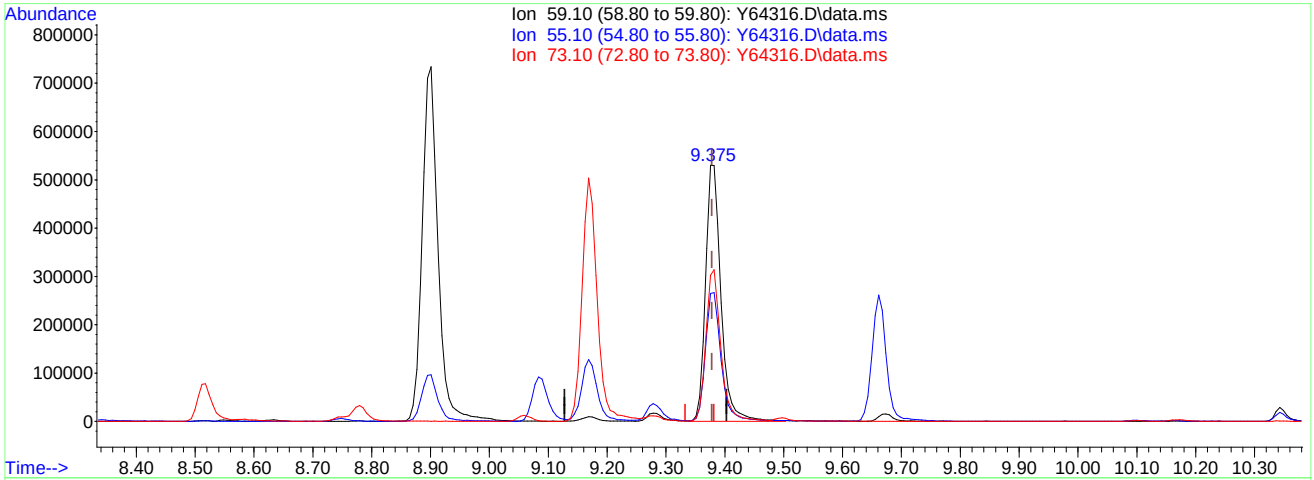
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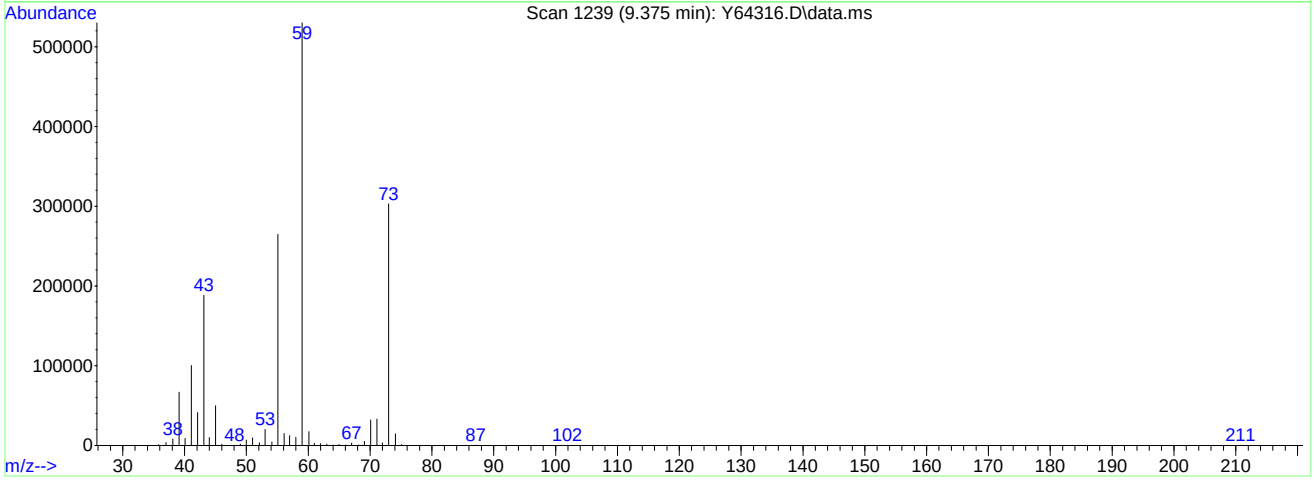
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	49.66
73.10	53.50	57.09
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:33:52 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64316.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 722.18ug/L m

response 964761

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	49.94
73.10	53.50	57.15
0.00	0.00	0.00

Y64317.D

Manual Integrations APPROVED (compounds with "m" flag)

Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:51:19 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	853192	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	714534	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	397319	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	192740	49.98	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.96%			
49) 1,2-Dichloroethane-d4	9.212	65	233054	48.66	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.32%			
63) Toluene-d8	10.933	98	864617	47.65	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.30%			
86) 4-Bromofluorobenzene	13.008	174	298226	49.01	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.842	85	515920m	131.12	ug/L	
3) Acrolein	5.586	56	695552	509.74	ug/L	98
4) Chloromethane	3.177	50	512185	94.94	ug/L	99
5) 1,3-butadiene	3.335	39	493252	135.44	ug/L	100
6) Vinyl Chloride	3.311	62	603582	115.18	ug/L	100
7) Bromomethane	3.834	94	156527	125.52	ug/L	98
8) Chloroethane	4.028	64	194959	136.23	ug/L	98
9) Trichlorofluoromethane	4.241	101	501285	85.05	ug/L	100
10) Ethyl Ether	4.765	59	397290	109.25	ug/L	95
11) Ethanol	5.057	45	308795	1767.53	ug/L	96
12) 1,2-Dichlorotrifluoroe...	5.044	67	439352	121.19	ug/L	98
13) 1,1-Dichloroethene	5.044	61	615022	114.13	ug/L	94
14) Freon 113	5.099	101	412361	115.57	ug/L	95
15) Carbon Disulfide	5.087	76	1198794	112.73	ug/L	98
16) Iodomethane	5.276	142	120351	69.01	ug/L	99
17) Allyl chloride	5.787	41	585276	98.55	ug/L	93
18) Methylene Chloride	5.957	49	637104	102.61	ug/L	91
19) Acetone	6.054	43	1342489	466.67	ug/L	94
20) Methyl acetate	6.237	43	3086586	490.16	ug/L	98
21) trans-1,2-Dichloroethene	6.212	61	590759	103.72	ug/L	97
22) Hexane	6.322	56	341341	114.80	ug/L #	87
23) Methyl Tert Butyl Ether	6.389	73	1328596	122.93	ug/L	77
24) Tert Butyl Alcohol	6.565	59	1726673	934.68	ug/L	96
25) Acetonitrile	6.790	41	1243131	938.40	ug/L	99
26) Di-isopropyl ether	6.991	45	1460216	108.06	ug/L	98
27) Chloroprene	7.174	53	120429	20.43	ug/L	93
28) 1,1-Dichloroethane	7.216	63	767646	108.86	ug/L	97
29) Acrylonitrile	7.301	53	1620746	500.87	ug/L	100
30) ETBE	7.581	59	1466677	114.30	ug/L	98
31) Vinyl acetate	7.606	43	6478653	511.41	ug/L	99
32) cis-1,2-Dichloroethene	8.025	96	480229	113.05	ug/L	98
33) 2,2-Dichloropropane	8.165	77	646123	114.62	ug/L	98
34) Bromochloromethane	8.293	128	212929	114.01	ug/L	94
35) Cyclohexane	8.293	56	877006	109.70	ug/L	95
36) Chloroform	8.378	83	734033	116.45	ug/L	97
37) Ethyl acetate	8.518	43	4363616	535.46	ug/L	99
38) Tetrahydrofuran	8.585	42	332369	98.19	ug/L	96
40) Carbon Tetrachloride	8.555	117	531855	111.18	ug/L	97
41) 1,1,1-Trichloroethane	8.634	97	664157	116.30	ug/L	99
42) 2-Butanone	8.749	43	2420969	518.66	ug/L	99
43) 1,1-Dichloropropene	8.780	75	614275	110.49	ug/L	95
44) tert-Butyl formate	8.901	59	2243981	653.14	ug/L	94
45) Propionitrile	9.090	54	1650638	1094.04	ug/L	90
46) Methacrylonitrile	9.108	41	5696706	1164.62	ug/L	99
47) Benzene	9.059	78	1952351	116.60	ug/L	96
48) TAME	9.169	73	1377145	114.58	ug/L	92
50) Isobutyl Alcohol	9.285	42	1029183	1843.56	ug/L	99
51) 1,2-Dichloroethane	9.285	62	627593	112.40	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:51:19 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

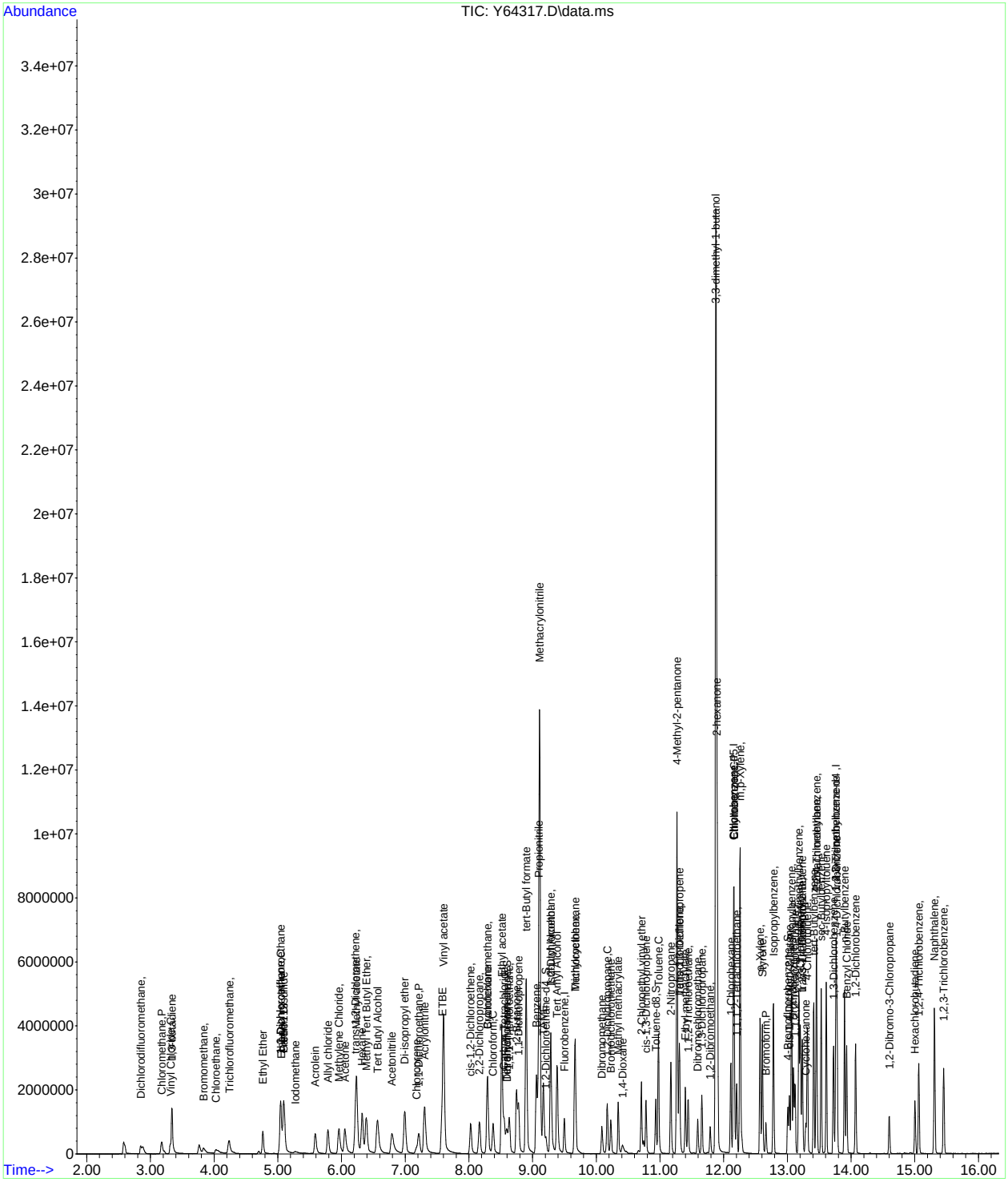
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Tert Amyl Alcohol	9.382	59	1544317m	991.27 ug/L		
53) Trichloroethene	9.674	95	475979	115.86 ug/L		98
54) Methylcyclohexane	9.662	83	889672	116.84 ug/L		95
55) Dibromomethane	10.088	93	268731	110.32 ug/L		95
56) 1,2-Dichloropropane	10.173	63	468344	105.03 ug/L		97
57) Bromodichloromethane	10.227	83	539243	107.96 ug/L		98
58) Methyl methacrylate	10.343	41	618601	97.16 ug/L		96
59) 1,4-Dioxane	10.410	88	243797	1861.39 ug/L		91
60) 2-Chloroethyl vinyl ether	10.708	63	717432	716.52 ug/L		95
61) cis-1,3-Dichloropropene	10.781	75	721957	107.88 ug/L		92
64) Toluene	10.976	91	2127221	106.74 ug/L		98
65) 2-Nitropropane	11.170	41	1258115	438.32 ug/L		98
66) 4-Methyl-2-pentanone	11.268	43	5193906	534.87 ug/L		98
67) trans-1,3-Dichloropropene	11.310	75	634386	99.77 ug/L	#	61
68) Tetrachloroethene	11.304	166	528254	105.02 ug/L		95
69) Ethyl methacrylate	11.396	69	810083	102.21 ug/L		92
70) 1,1,2-Trichloroethane	11.444	83	360198	108.88 ug/L		97
71) Dibromochloromethane	11.590	129	435129	99.23 ug/L		99
72) 1,3-Dichloropropane	11.657	76	790194	107.97 ug/L		94
73) 1,2-Dibromoethane	11.785	107	456896	102.87 ug/L		98
74) 3,3-dimethyl-1-butanol	11.876	57	11649896	5139.07 ug/L		93
75) 2-hexanone	11.900	43	6235648	517.86 ug/L		98
76) 1-Chlorohexane	12.113	91	708349	103.10 ug/L		89
77) Ethylbenzene	12.156	91	2523853	108.56 ug/L		96
78) Chlorobenzene	12.162	112	1339419	104.04 ug/L		95
79) 1,1,1,2-Tetrachloroethane	12.205	131	444535	96.95 ug/L		99
80) m,p-Xylene	12.259	91	4093944	230.00 ug/L		99
81) o-Xylene	12.570	91	1872224	107.36 ug/L		98
82) Styrene	12.606	104	1493815	99.54 ug/L		98
83) Bromoform	12.661	173	332822	97.10 ug/L		98
84) Isopropylbenzene	12.783	105	2384853	110.33 ug/L		97
87) cis-1,4-Dichloro-2-butene	13.032	53	260127	90.92 ug/L		92
88) n-Propylbenzene	13.062	91	2949571	103.70 ug/L		95
89) Bromobenzene	13.099	156	546818	100.41 ug/L		89
90) 1,1,2,2-Tetrachloroethane	13.117	83	784274	103.94 ug/L		98
91) 1,3,5-Trimethylbenzene	13.178	105	2045328	104.02 ug/L		97
92) 2-Chlorotoluene	13.202	91	1826486	97.68 ug/L		96
93) trans-1,4-Dichloro-2-B...	13.239	53	239652	80.69 ug/L	#	70
94) 1,2,3-Trichloropropane	13.233	110	260405	101.93 ug/L		96
95) Cyclohexanone	13.287	55	282071	380.48 ug/L		97
96) 4-Chlorotoluene	13.312	91	1674820	101.14 ug/L		98
97) tert-Butylbenzene	13.415	91	1107516	100.61 ug/L		96
98) 1,2,4-Trimethylbenzene	13.452	105	2040856	105.32 ug/L		95
99) Pentachloroethane	13.464	167	316869	102.44 ug/L		94
100) sec-Butylbenzene	13.531	105	2508321	104.80 ug/L		97
101) 4-Isopropyltoluene	13.610	119	2143977	102.69 ug/L		97
102) 1,3-Dichlorobenzene	13.725	146	1021522	98.83 ug/L		98
103) 1,2,3-Trimethylbenzene	13.762	105	2014191	104.91 ug/L		95
104) 1,4-Dichlorobenzene	13.780	146	1053648	96.72 ug/L		98
105) n-Butylbenzene	13.896	92	1092879	91.71 ug/L		96
106) Benzyl Chloride	13.932	126	373353	93.81 ug/L	#	93
107) 1,2-Dichlorobenzene	14.072	146	1014893	100.82 ug/L		97
108) 1,2-Dibromo-3-Chloropr...	14.595	75	211196	102.16 ug/L		97
109) Hexachlorobutadiene	15.003	225	231901	90.29 ug/L		98
110) 1,2,4-Trichlorobenzene	15.064	180	703583	105.83 ug/L		98
111) Naphthalene	15.307	128	2890912	101.44 ug/L		98
112) 1,2,3-Trichlorobenzene	15.453	180	680237	103.68 ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:51:19 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

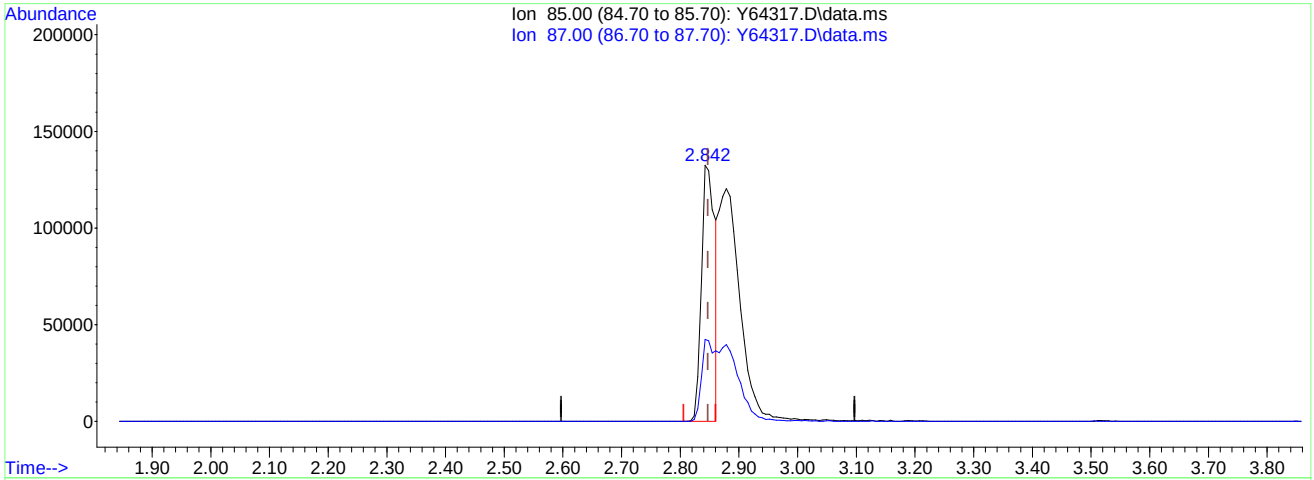
Sample Number: VY2666-IC2666
Lab FileID: Y64317.D
Injection Time: 08/29/22 15:33
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

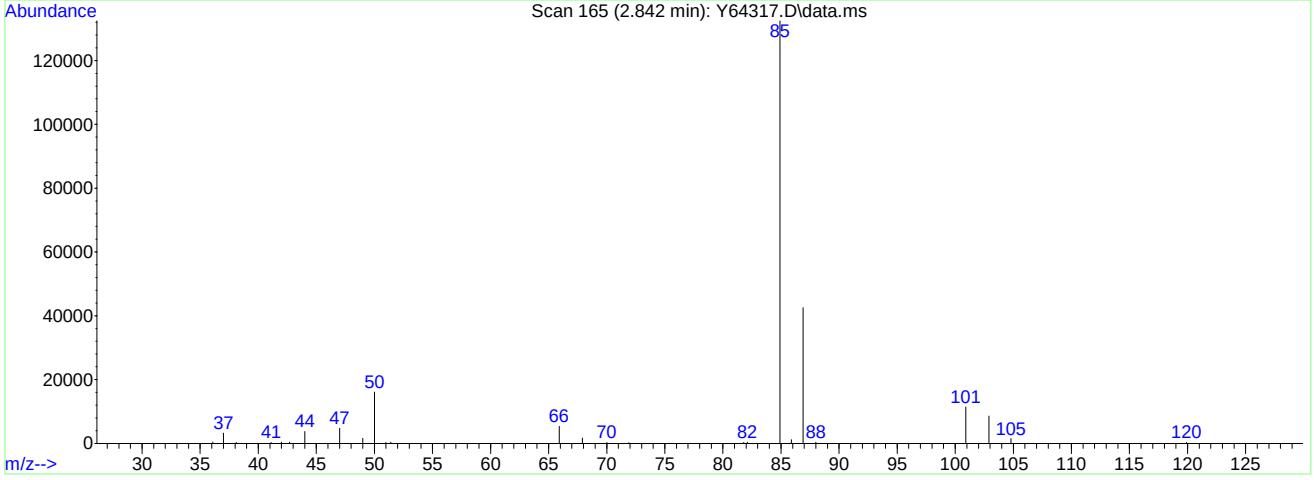
Parameter	CAS	Sig#	R.T. (min.)	Reason
Dichlorodifluoromethane	75-71-8		2.84	Split peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:33:53 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64317.D\data.ms

(2) Dichlorodifluoromethane ( )

2.842min (-0.005) 56.49ug/L

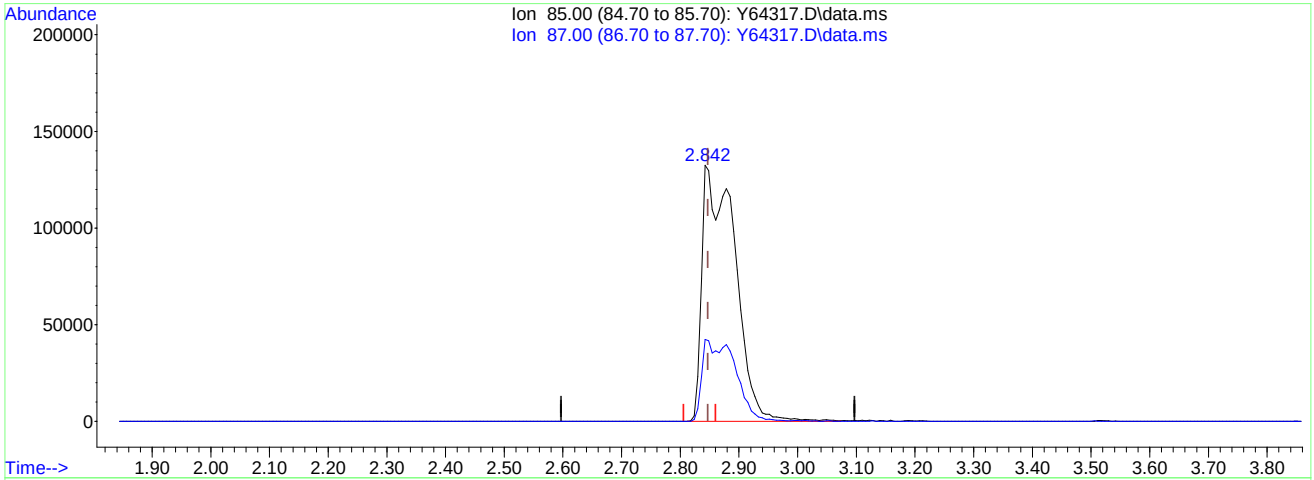
response 210284

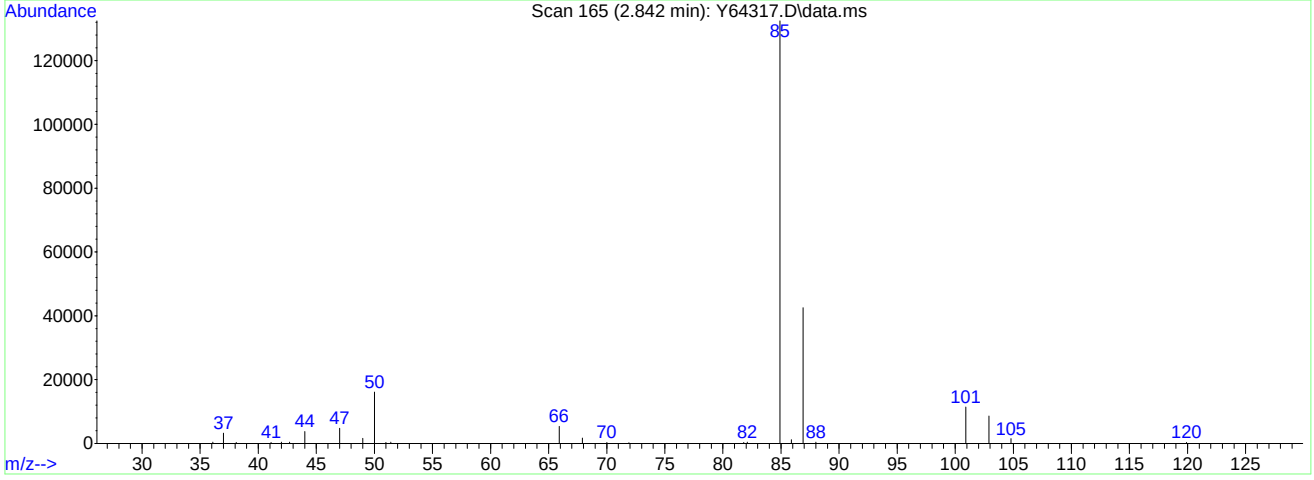
Ion	Exp%	Act%
85.00	100	100
87.00	34.10	32.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:33:53 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64317.D\data.ms

(2) Dichlorodifluoromethane ( )

2.842min (-0.005) 131.12ug/L m

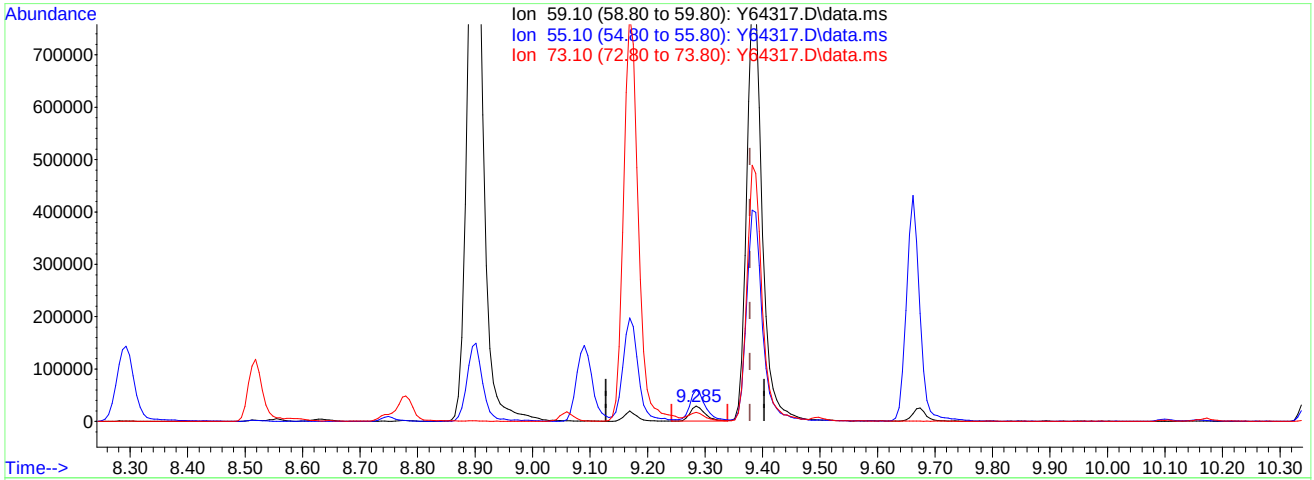
response 515920

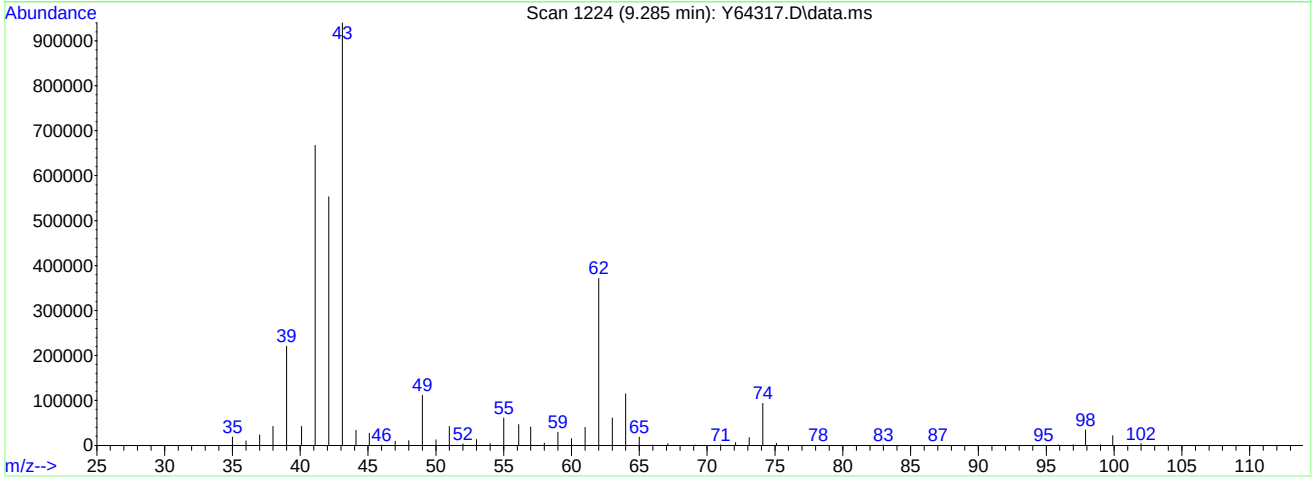
Ion	Exp%	Act%
85.00	100	100
87.00	34.10	32.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:33:53 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64317.D\data.ms

(52) Tert Amyl Alcohol

9.285min (-0.093) 47.90ug/L

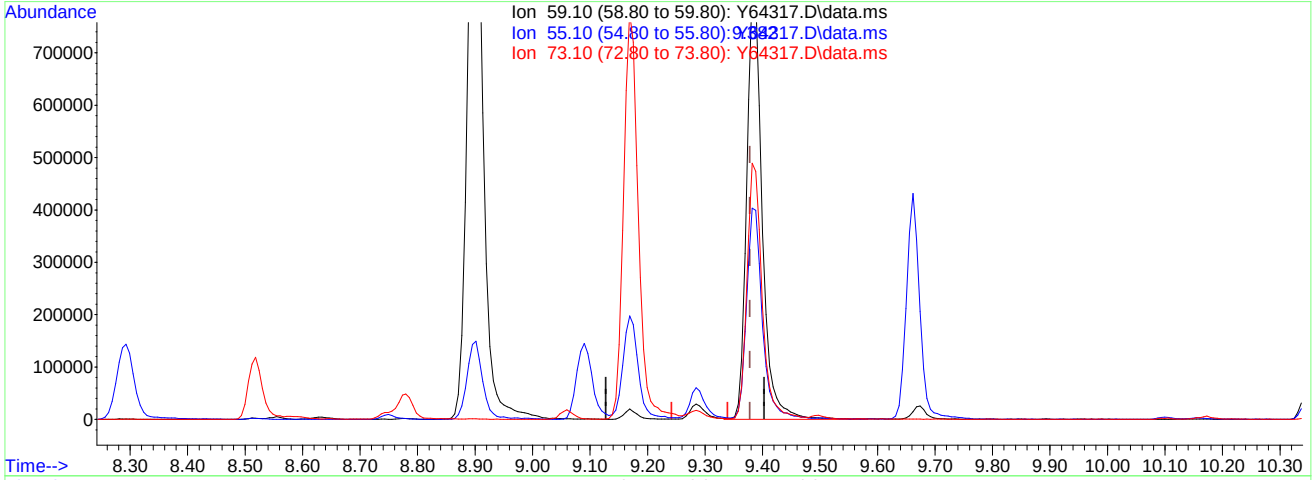
response 53043

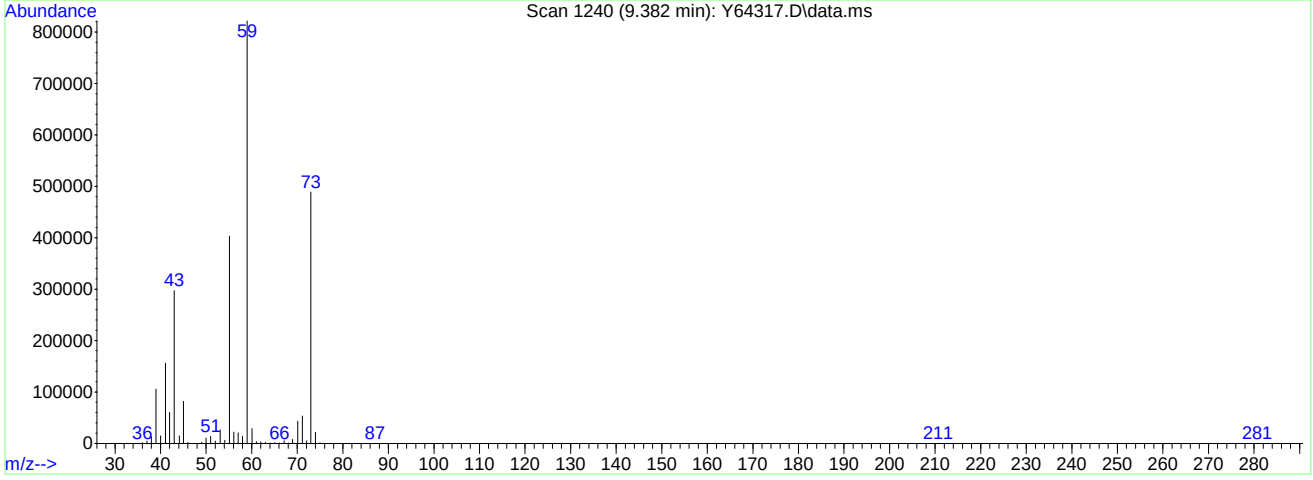
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	199.30#
73.10	53.50	54.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:33:53 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64317.D\data.ms

(52) Tert Amyl Alcohol

9.382min (+0.004) 991.27ug/L m

response 1544317

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	49.06
73.10	53.50	59.49
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:16:01 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	836695	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	687461	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	368912	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	193127	51.52	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.04%			
49) 1,2-Dichloroethane-d4	9.211	65	226133	49.39	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.78%			
63) Toluene-d8	10.933	98	850508	50.02	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.04%			
86) 4-Bromofluorobenzene	13.007	174	286479	51.15	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	162170	33.93	ug/L	98
3) Acrolein	5.585	56	233370	195.12	ug/L	100
4) Chloromethane	3.176	50	200522	38.48	ug/L	95
5) 1,3-butadiene	3.340	39	163547	34.42	ug/L	96
6) Vinyl Chloride	3.310	62	217645	37.36	ug/L	92
7) Bromomethane	3.833	94	57150	46.77	ug/L	97
8) Chloroethane	4.028	64	74597	37.44	ug/L	100
9) Trichlorofluoromethane	4.235	101	285914	46.54	ug/L	100
10) Ethyl Ether	4.758	59	150805	39.59	ug/L	97
11) Ethanol	5.038	45	102745	893.73	ug/L	100
12) 1,2-Dichlorotrifluoroe...	5.044	67	178187	42.30	ug/L	98
13) 1,1-Dichloroethene	5.044	61	232678	40.79	ug/L	98
14) Freon 113	5.105	101	142757	36.00	ug/L	97
15) Carbon Disulfide	5.093	76	373679	34.45	ug/L	98
16) Iodomethane	5.275	142	36008	36.26	ug/L	91
17) Allyl chloride	5.786	41	229974	42.32	ug/L	98
18) Methylene Chloride	5.956	49	232089	34.17	ug/L	99
19) Acetone	6.048	43	551995	224.35	ug/L	98
20) Methyl acetate	6.230	43	1247797	229.25	ug/L	99
21) trans-1,2-Dichloroethene	6.218	61	224575	39.48	ug/L	98
22) Hexane	6.327	56	126248	41.17	ug/L #	82
23) Methyl Tert Butyl Ether	6.382	73	624474	47.67	ug/L	93
24) Tert Butyl Alcohol	6.546	59	648196	447.49	ug/L	99
25) Acetonitrile	6.790	41	423588	386.61	ug/L	99
26) Di-isopropyl ether	6.984	45	553138	39.75	ug/L	96
27) Chloroprene	7.173	53	205366	159.04	ug/L	97
28) 1,1-Dichloroethane	7.216	63	301828	40.78	ug/L	97
29) Acrylonitrile	7.301	53	578907	196.10	ug/L	98
30) ETBE	7.581	59	533898	38.49	ug/L	98
31) Vinyl acetate	7.605	43	2261765	198.53	ug/L	99
32) cis-1,2-Dichloroethene	8.025	96	187139	39.69	ug/L	98
33) 2,2-Dichloropropane	8.165	77	235314	38.35	ug/L	98
34) Bromochloromethane	8.292	128	82203	37.35	ug/L	96
35) Cyclohexane	8.292	56	297624	36.49	ug/L	98
36) Chloroform	8.378	83	274034	37.12	ug/L	98
37) Ethyl acetate	8.518	43	1650735	195.44	ug/L	98
38) Tetrahydrofuran	8.584	42	142106	41.97	ug/L	97
40) Carbon Tetrachloride	8.554	117	194045	39.15	ug/L	97
41) 1,1,1-Trichloroethane	8.633	97	252297	39.08	ug/L	98
42) 2-Butanone	8.749	43	956255	214.02	ug/L	99
43) 1,1-Dichloropropene	8.779	75	222006	37.71	ug/L	96
44) tert-Butyl formate	8.895	59	732919	193.70	ug/L	98
45) Propionitrile	9.083	54	538588	383.16	ug/L	98
46) Methacrylonitrile	9.108	41	1663037	361.62	ug/L	98
47) Benzene	9.059	78	733670	38.33	ug/L	98
50) Isobutyl Alcohol	9.278	42	317873	805.55	ug/L	96
51) 1,2-Dichloroethane	9.278	62	237491	39.33	ug/L	97
52) Tert Amyl Alcohol	9.381	59	558522m	446.68	ug/L	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:16:01 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

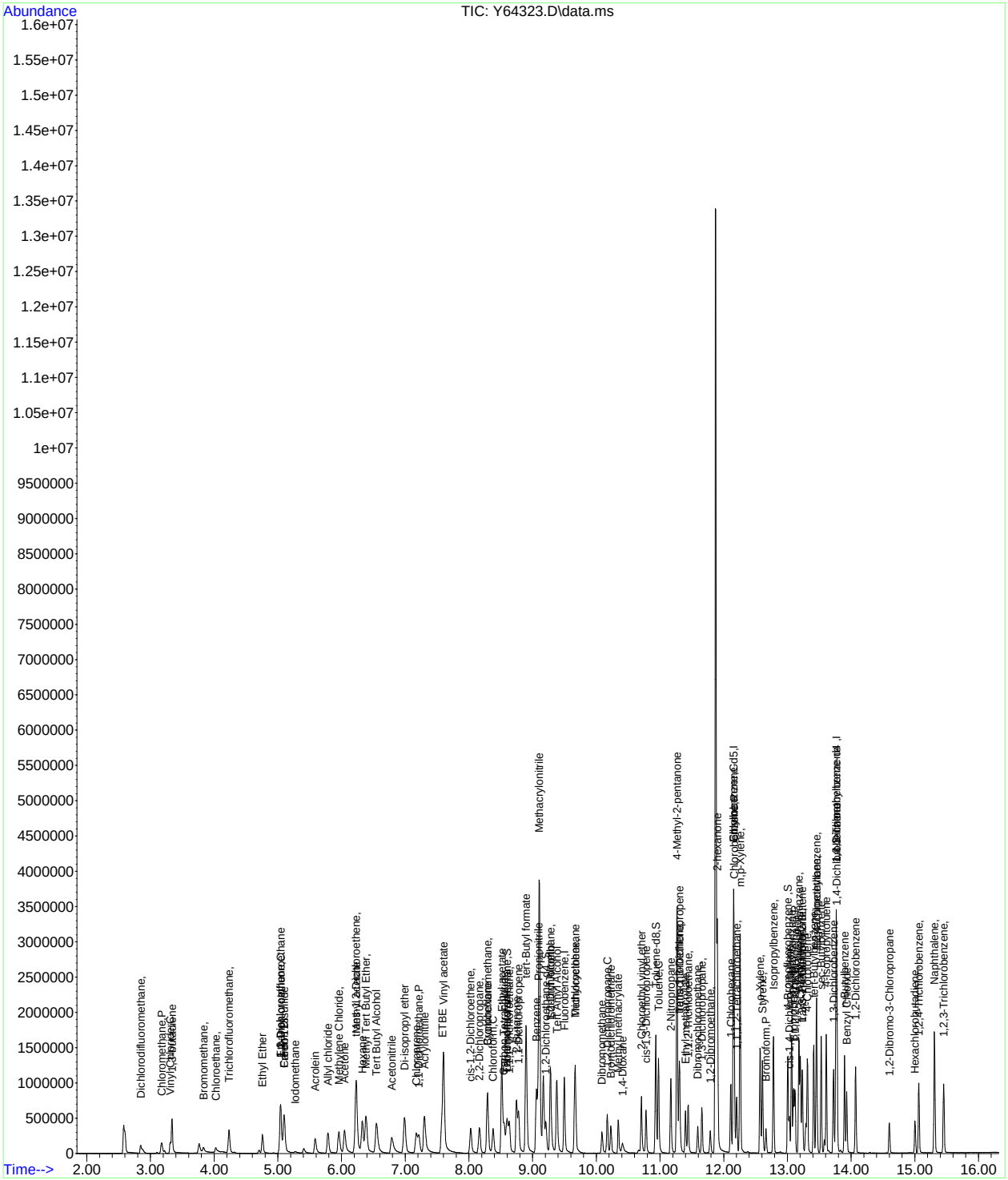
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) Trichloroethene	9.673	95	182320	39.33	ug/L		97
54) Methylcyclohexane	9.661	83	303625	37.49	ug/L		97
55) Dibromomethane	10.087	93	102448	39.14	ug/L		95
56) 1,2-Dichloropropane	10.172	63	170149	37.05	ug/L		97
57) Bromodichloromethane	10.227	83	199859	40.80	ug/L		99
58) Methyl methacrylate	10.343	41	198786	37.44	ug/L		97
59) 1,4-Dioxane	10.409	88	119122	1101.92	ug/L		99
60) 2-Chloroethyl vinyl ether	10.708	63	268772	203.98	ug/L		100
61) cis-1,3-Dichloropropene	10.781	75	265562	40.10	ug/L		97
64) Toluene	10.975	91	781191	37.17	ug/L		100
65) 2-Nitropropane	11.170	41	476692	228.28	ug/L		98
66) 4-Methyl-2-pentanone	11.267	43	1786804	205.23	ug/L		99
67) trans-1,3-Dichloropropene	11.310	75	261556	44.87	ug/L		86
68) Tetrachloroethene	11.304	166	194257	38.24	ug/L		97
69) Ethyl methacrylate	11.401	69	245923	35.07	ug/L		97
70) 1,1,2-Trichloroethane	11.444	83	143140	39.15	ug/L		95
71) Dibromochloromethane	11.590	129	159128	40.55	ug/L		98
72) 1,3-Dichloropropane	11.657	76	286859	35.95	ug/L		98
73) 1,2-Dibromoethane	11.790	107	175801	38.95	ug/L		97
75) 2-hexanone	11.900	43	1504738	199.08	ug/L		99
76) 1-Chlorohexane	12.113	91	247531	39.14	ug/L		97
77) Ethylbenzene	12.155	91	872784	37.69	ug/L		100
78) Chlorobenzene	12.168	112	482419	37.37	ug/L		86
79) 1,1,1,2-Tetrachloroethane	12.204	131	161489	39.41	ug/L		97
80) m,p-Xylene	12.259	91	1364692	76.27	ug/L		99
81) o-Xylene	12.569	91	669497	38.99	ug/L		98
82) Styrene	12.606	104	523438	41.81	ug/L		97
83) Bromoform	12.666	173	123282	44.55	ug/L		97
84) Isopropylbenzene	12.782	105	833317	38.15	ug/L		99
87) cis-1,4-Dichloro-2-butene	13.031	53	83094	38.84	ug/L	#	87
88) n-Propylbenzene	13.068	91	1002542	37.03	ug/L		100
89) Bromobenzene	13.098	156	200196	37.07	ug/L		89
90) 1,1,2,2-Tetrachloroethane	13.123	83	299546	39.78	ug/L		98
91) 1,3,5-Trimethylbenzene	13.177	105	665024	35.95	ug/L		98
92) 2-Chlorotoluene	13.202	91	636085	36.18	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.238	53	71993	36.23	ug/L	#	87
94) 1,2,3-Trichloropropane	13.232	110	93953	37.50	ug/L		96
96) 4-Chlorotoluene	13.311	91	578781	36.98	ug/L		100
97) tert-Butylbenzene	13.415	91	361833	35.50	ug/L		98
98) 1,2,4-Trimethylbenzene	13.457	105	671616	36.99	ug/L		100
99) Pentachloroethane	13.463	167	103283	36.56	ug/L		97
100) sec-Butylbenzene	13.530	105	805863	36.45	ug/L		98
101) 4-Isopropyltoluene	13.609	119	699782	37.67	ug/L		99
102) 1,3-Dichlorobenzene	13.725	146	366704	37.73	ug/L		99
103) 1,2,3-Trimethylbenzene	13.761	105	715594	38.98	ug/L		99
104) 1,4-Dichlorobenzene	13.780	146	381245	37.01	ug/L		99
105) n-Butylbenzene	13.895	92	304029	32.99	ug/L		99
106) Benzyl Chloride	13.932	126	98443	32.17	ug/L	#	92
107) 1,2-Dichlorobenzene	14.072	146	365021	38.41	ug/L		99
108) 1,2-Dibromo-3-Chloropr...	14.601	75	74185	42.30	ug/L		89
109) Hexachlorobutadiene	15.002	225	67100	36.57	ug/L		94
110) 1,2,4-Trichlorobenzene	15.063	180	247637	39.86	ug/L		96
111) Naphthalene	15.307	128	1114491	41.65	ug/L		100
112) 1,2,3-Trichlorobenzene	15.453	180	243702	39.13	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:16:01 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

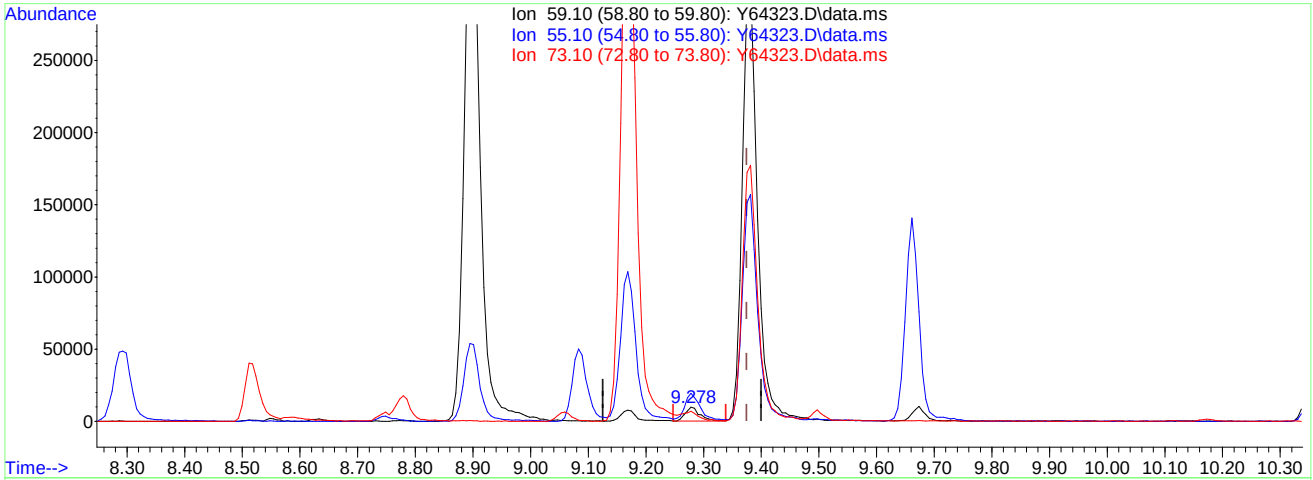
Sample Number: VY2666-ICV2666 **Method:** SW846 8260D
Lab FileID: Y64323.D **Analyst approved:** 08/30/22 15:26 Jo-Ann Lugo De Jesus
Injection Time: 08/30/22 11:36 **Supervisor approved:** 08/30/22 18:34 Shanica O'Connor

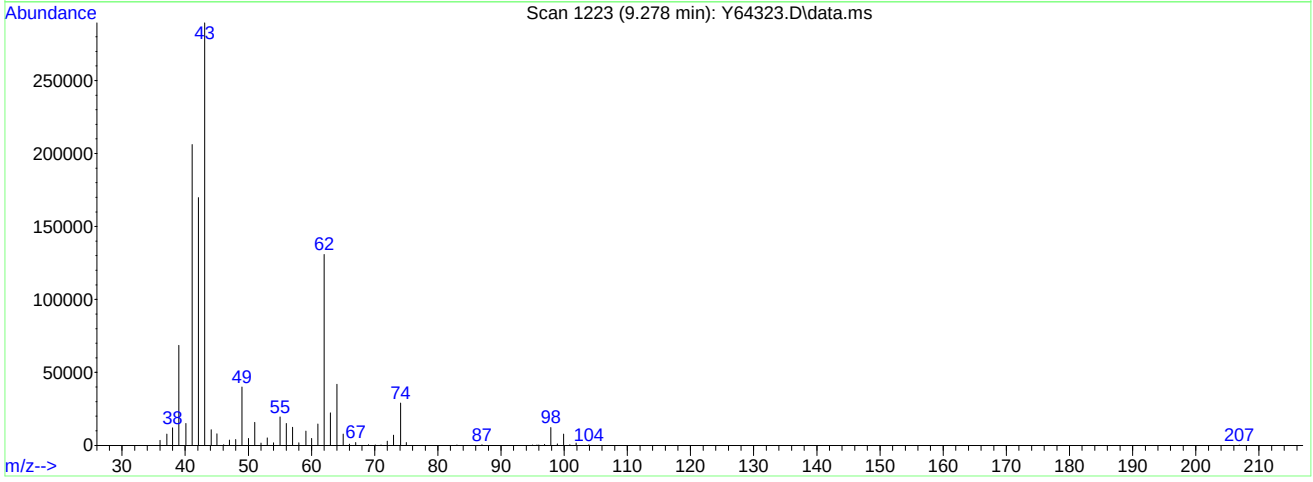
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:14:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64323.D\data.ms

(52) Tert Amyl Alcohol

9.278min (-0.097) 16.27ug/L

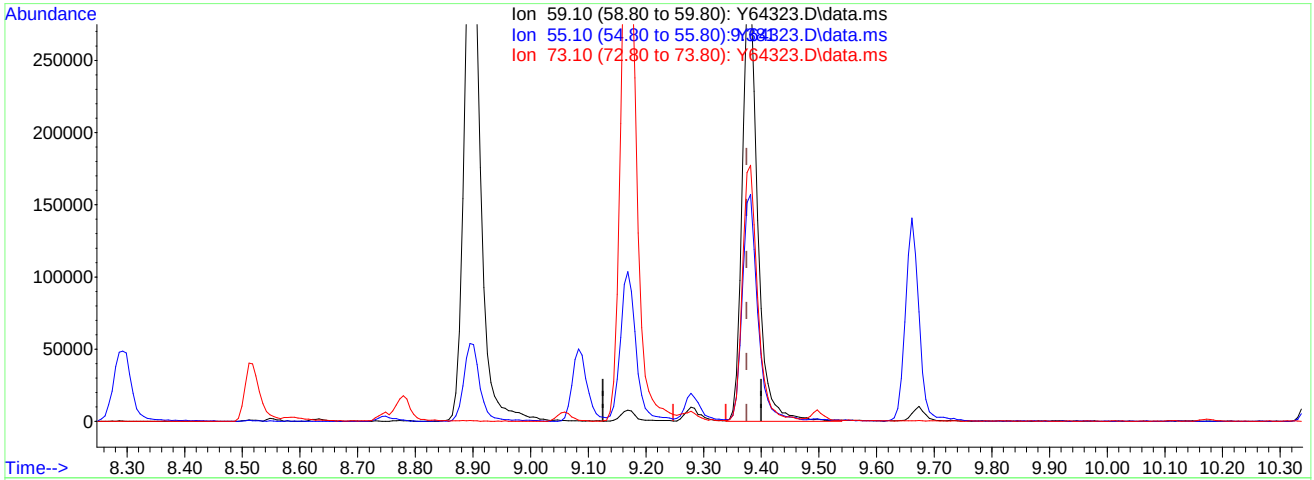
response 16712

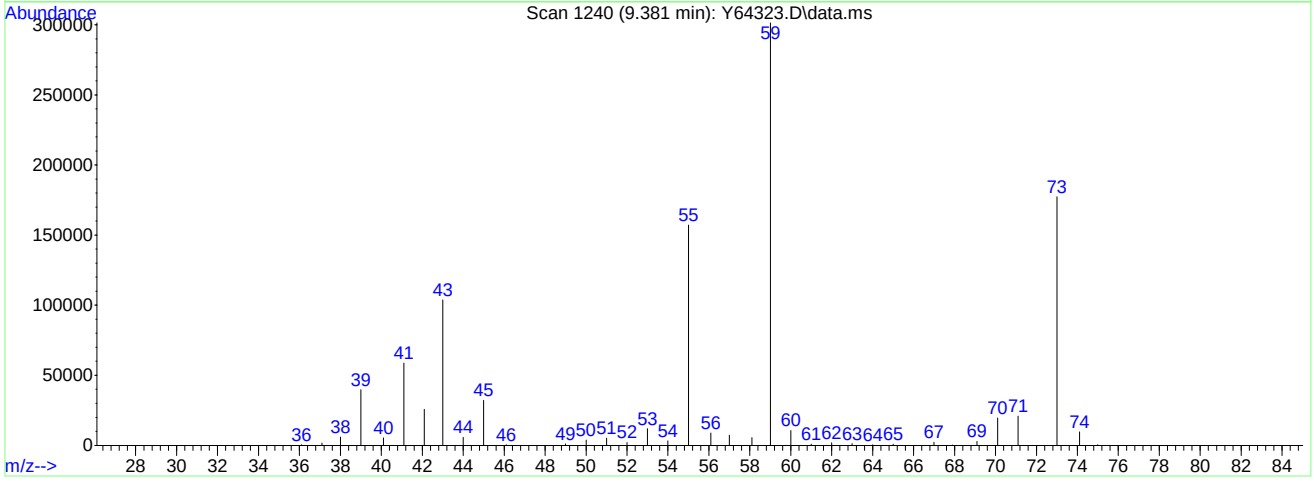
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	192.01#
73.10	59.00	66.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:14:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64323.D\data.ms

(52) Tert Amyl Alcohol

9.381min (+0.006) 446.68ug/L m

response 558522

Ion	Exp%	Act%
59.10	100	100
55.10	51.70	52.15
73.10	59.00	58.82
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64324.D
Acq On : 30 Aug 2022 12:01 pm
Operator : joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 15:17:59 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

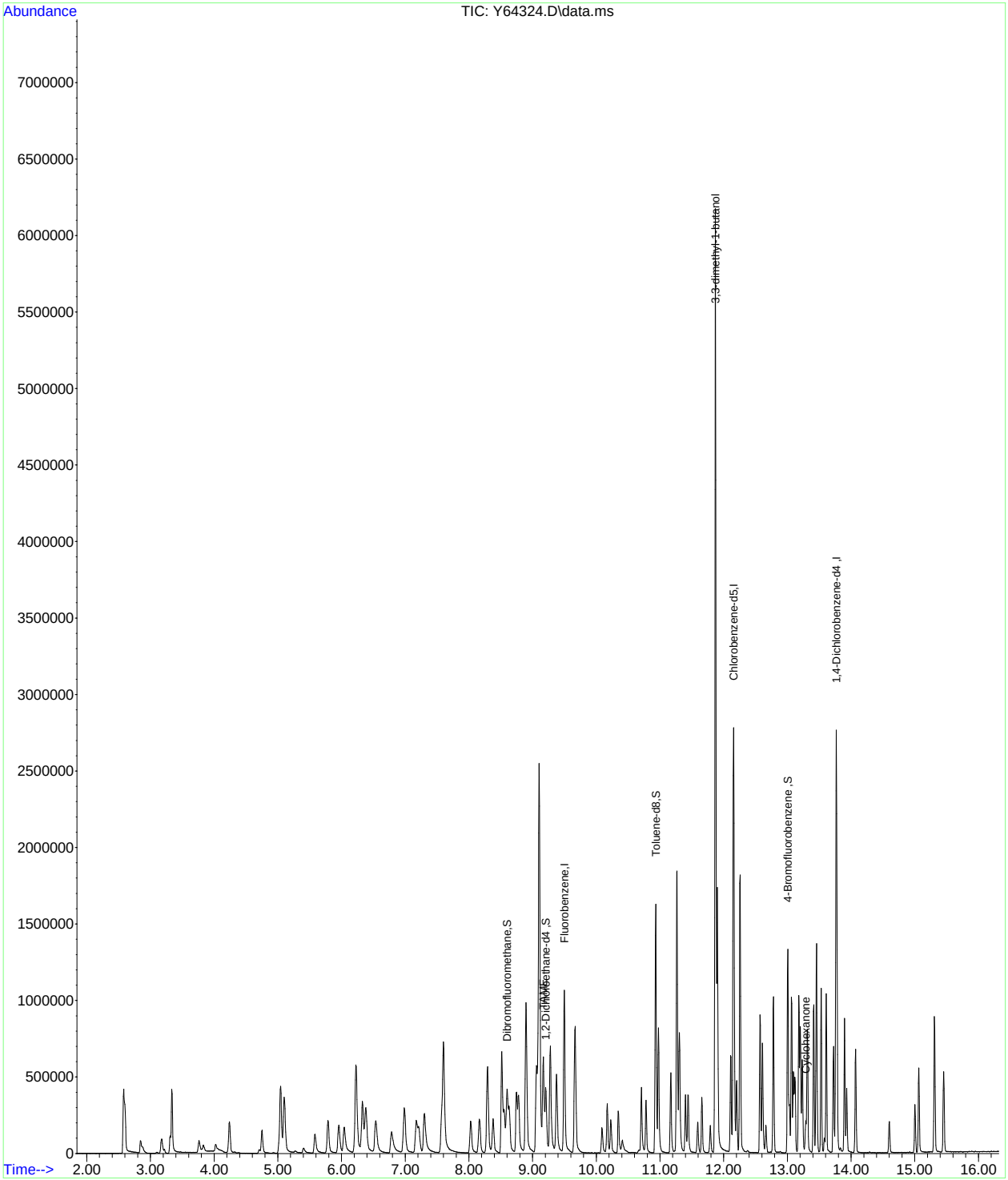
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.498	96	845351	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	693443	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	364991	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	191772	50.63	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.26%			
49) 1,2-Dichloroethane-d4	9.206	65	231612	50.06	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.12%			
63) Toluene-d8	10.933	98	865691	50.47	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.94%			
86) 4-Bromofluorobenzene	13.008	174	286054	51.62	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.24%			
Target Compounds						Qvalue
48) TAME	9.169	73	403667	29.48	ug/L	99
74) 3,3-dimethyl-1-butanol	11.870	57	1958071m	1114.88	ug/L	
95) Cyclohexanone	13.288	55	64068	132.92	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64324.D
Acq On : 30 Aug 2022 12:01 pm
Operator : joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 15:17:59 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

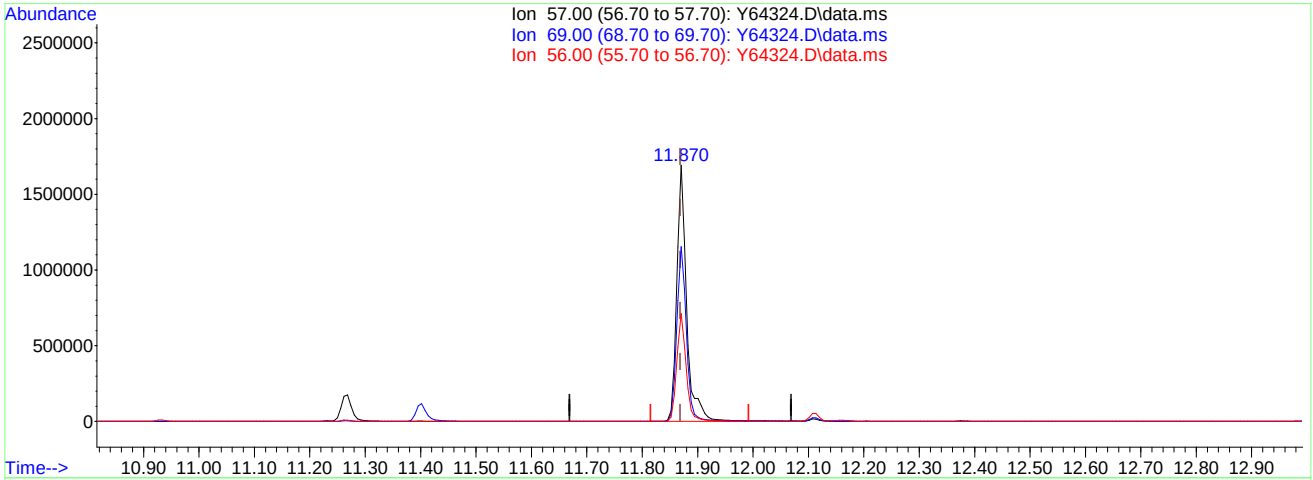
Sample Number: VY2666-ICV2666 **Method:** SW846 8260D
Lab FileID: Y64324.D **Analyst approved:** 08/30/22 15:26 Jo-Ann Lugo De Jesus
Injection Time: 08/30/22 12:01 **Supervisor approved:** 08/30/22 18:34 Shanica O'Connor

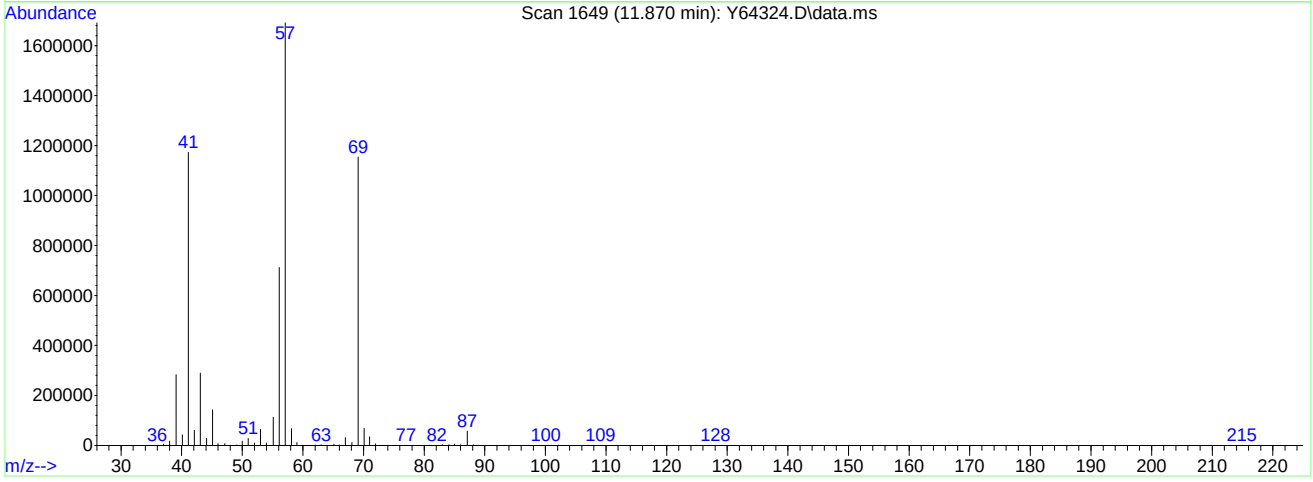
Parameter	CAS	Sig#	R.T. (min.)	Reason
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64324.D
Acq On : 30 Aug 2022 12:01 pm
Operator : joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 15:14:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64324.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (+0.001) 1197.09ug/L

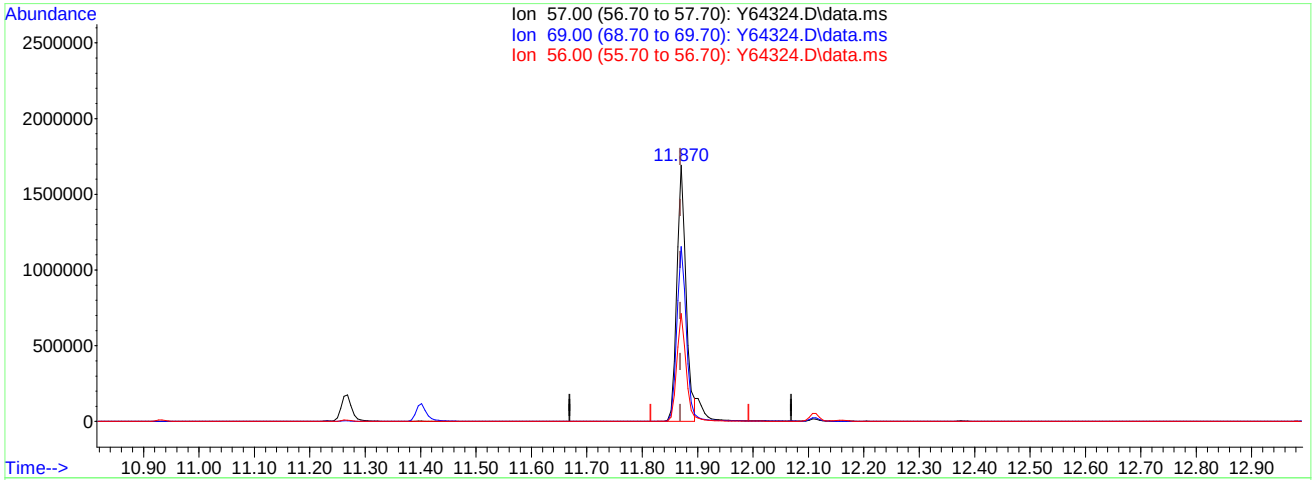
response 2117796

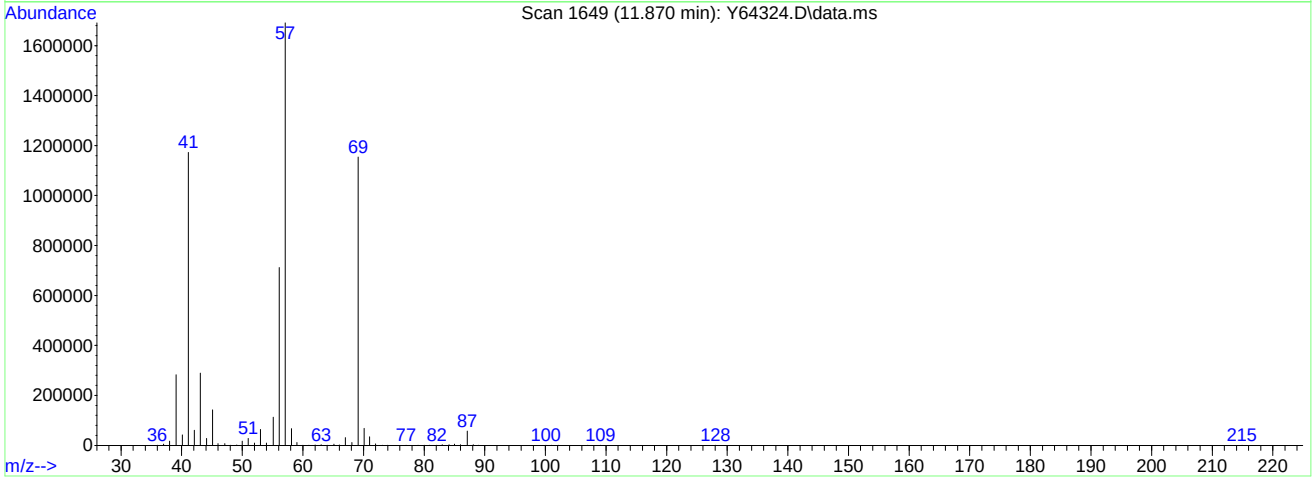
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	68.20
56.00	42.20	42.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64324.D
Acq On : 30 Aug 2022 12:01 pm
Operator : joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 15:14:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64324.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (+0.001) 1114.88ug/L m

response 1958071

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	68.22
56.00	42.20	42.10
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 11:07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.496	96	714010	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.148	117	628205	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.766	152	338699	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.601	113	161999	50.64	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.28%			
49) 1,2-Dichloroethane-d4	9.210	65	192301	49.21	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.42%			
63) Toluene-d8	10.931	98	738213	47.51	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.02%			
86) 4-Bromofluorobenzene	13.006	174	246486	47.94	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.846	85	173540	42.26	ug/L	97
3) Acrolein	5.578	56	222716	215.87	ug/L	98
4) Chloromethane	3.169	50	189127	42.53	ug/L	97
5) 1,3-butadiene	3.339	39	186908	46.10	ug/L	99
6) Vinyl Chloride	3.309	62	207208	41.68	ug/L	93
7) Bromomethane	3.826	94	33874	34.53	ug/L	93
8) Chloroethane	4.027	64	79923	47.01	ug/L	97
9) Trichlorofluoromethane	4.246	101	234917	44.81	ug/L	100
10) Ethyl Ether	4.745	59	138328	42.55	ug/L	95
11) Ethanol	5.000	45	80527	836.45	ug/L	91
12) 1,2-Dichlorotrifluoroe...	5.037	67	158725	44.16	ug/L	97
13) 1,1-Dichloroethene	5.049	61	216411	44.46	ug/L	96
14) Freon 113	5.110	101	153644	45.40	ug/L	96
15) Carbon Disulfide	5.097	76	412881	44.61	ug/L	98
16) Iodomethane	5.274	142	40830	46.53	ug/L	86
17) Allyl chloride	5.785	41	190656	41.17	ug/L	99
18) Methylene Chloride	5.955	49	218443	37.69	ug/L	97
19) Acetone	6.034	43	436936	209.01	ug/L	97
20) Methyl acetate	6.223	43	1046758	225.36	ug/L	99
21) trans-1,2-Dichloroethene	6.217	61	211542	43.58	ug/L	96
22) Hexane	6.326	56	122342m	46.75	ug/L	
23) Methyl Tert Butyl Ether	6.375	73	458273	40.99	ug/L	74
24) Tert Butyl Alcohol	6.527	59	506606	414.47	ug/L	99
25) Acetonitrile	6.776	41	375737	400.66	ug/L	98
26) Di-isopropyl ether	6.983	45	500985	42.18	ug/L	96
27) Chloroprene	7.172	53	39226	42.79	ug/L	93
28) 1,1-Dichloroethane	7.214	63	268633	42.53	ug/L	98
29) Acrylonitrile	7.300	53	511023	202.48	ug/L	97
30) ETBE	7.573	59	499954	42.23	ug/L	100
31) Vinyl acetate	7.598	43	2002927	205.44	ug/L	99
32) cis-1,2-Dichloroethene	8.030	96	171364	42.59	ug/L	97
33) 2,2-Dichloropropane	8.163	77	228844	43.70	ug/L	97
34) Bromochloromethane	8.291	128	75731	40.32	ug/L	96
35) Cyclohexane	8.291	56	319699	45.93	ug/L	98
36) Chloroform	8.376	83	259738	41.23	ug/L	97
37) Ethyl acetate	8.510	43	1453851	201.60	ug/L	99
38) Tetrahydrofuran	8.583	42	117753	40.75	ug/L	96
40) Carbon Tetrachloride	8.553	117	185400	43.83	ug/L	94
41) 1,1,1-Trichloroethane	8.632	97	239125	43.40	ug/L	97
42) 2-Butanone	8.741	43	777384	203.88	ug/L	98
43) 1,1-Dichloropropene	8.778	75	217738	43.34	ug/L	96
44) tert-Butyl formate	8.893	59	729055	225.78	ug/L	98
45) Propionitrile	9.082	54	496323	410.90	ug/L	97
46) Methacrylonitrile	9.100	41	1625931	408.01	ug/L	99
47) Benzene	9.058	78	692277	42.38	ug/L	98
48) TAME	9.167	73	472849	40.89	ug/L	98
50) Isobutyl Alcohol	9.271	42	287217	844.64	ug/L	99
51) 1,2-Dichloroethane	9.277	62	209858	40.72	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

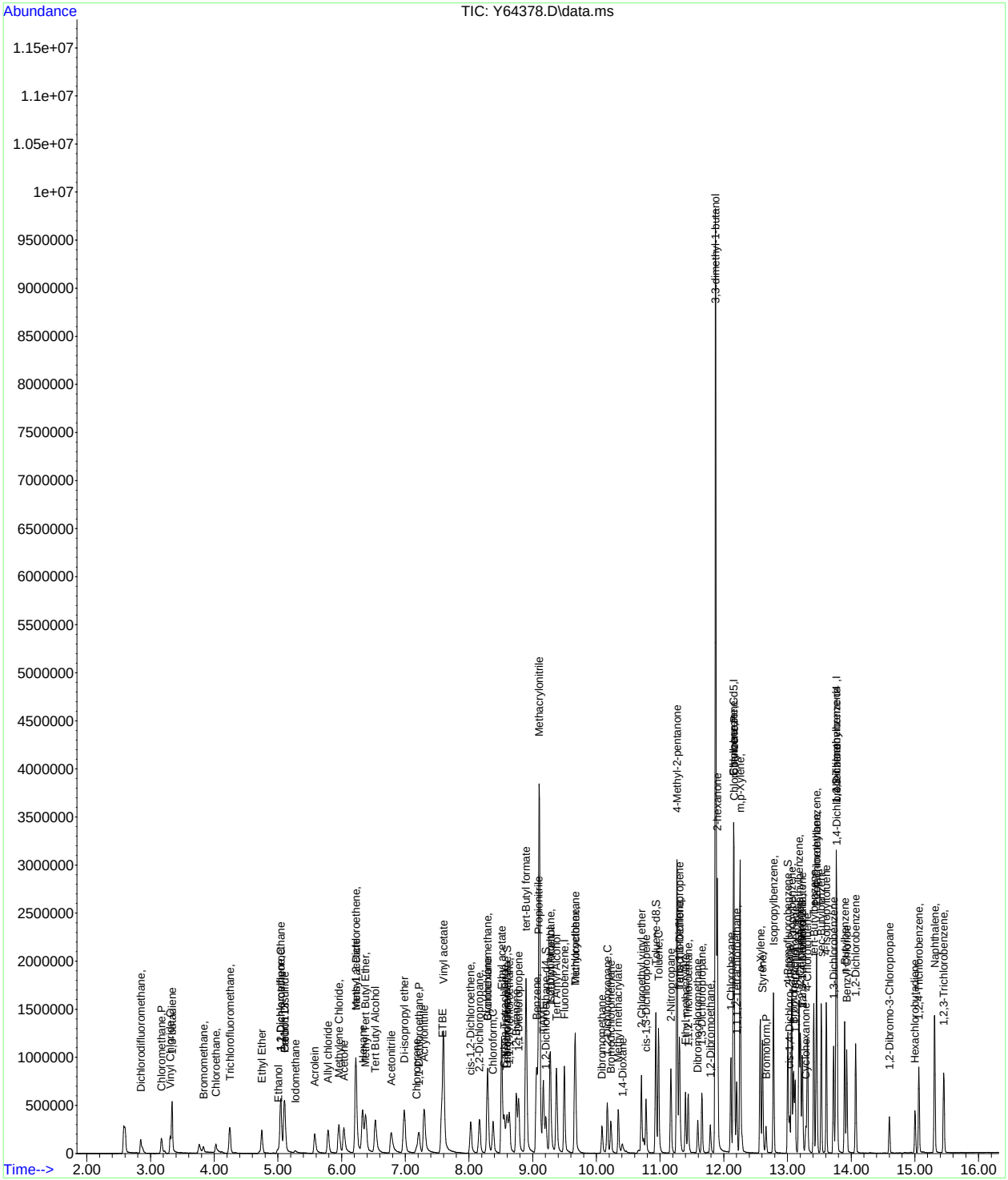
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	9.374	59	455842m	430.15	ug/L		
53) Trichloroethene	9.672	95	172031	43.48	ug/L		98
54) Methylcyclohexane	9.660	83	315390	45.63	ug/L		98
55) Dibromomethane	10.086	93	94465	42.29	ug/L		96
56) 1,2-Dichloropropane	10.171	63	160964	41.07	ug/L		97
57) Bromodichloromethane	10.226	83	177897	42.56	ug/L		98
58) Methyl methacrylate	10.341	41	192908	42.07	ug/L		99
59) 1,4-Dioxane	10.408	88	71941	814.45	ug/L		93
60) 2-Chloroethyl vinyl ether	10.706	63	271876	239.43	ug/L		98
61) cis-1,3-Dichloropropene	10.779	75	243258	42.89	ug/L		99
64) Toluene	10.974	91	746994	38.89	ug/L		100
65) 2-Nitropropane	11.169	41	390351	204.56	ug/L		99
66) 4-Methyl-2-pentanone	11.266	43	1557418	196.60	ug/L		99
67) trans-1,3-Dichloropropene	11.309	75	210362	39.69	ug/L		99
68) Tetrachloroethene	11.303	166	180226	38.83	ug/L		97
69) Ethyl methacrylate	11.400	69	251980	39.03	ug/L		97
70) 1,1,2-Trichloroethane	11.442	83	127916	38.29	ug/L		97
71) Dibromochloromethane	11.588	129	141002	39.32	ug/L		99
72) 1,3-Dichloropropane	11.655	76	280939	38.53	ug/L		98
73) 1,2-Dibromoethane	11.789	107	161110	39.06	ug/L		91
74) 3,3-dimethyl-1-butanol	11.868	57	3184783m	1875.09	ug/L		
75) 2-hexanone	11.899	43	1296106	192.18	ug/L		98
76) 1-Chlorohexane	12.112	91	244365	42.29	ug/L		96
77) Ethylbenzene	12.154	91	833540	39.39	ug/L		99
78) Chlorobenzene	12.166	112	454591	38.54	ug/L		88
79) 1,1,1,2-Tetrachloroethane	12.203	131	148805	39.74	ug/L		100
80) m,p-Xylene	12.258	91	1298815	79.43	ug/L		99
81) o-Xylene	12.574	91	619877	39.50	ug/L		97
82) Styrene	12.610	104	473526	41.39	ug/L		99
83) Bromoform	12.665	173	96260	38.79	ug/L		98
84) Isopropylbenzene	12.781	105	795070	39.84	ug/L		99
87) cis-1,4-Dichloro-2-butene	13.030	53	56286	28.65	ug/L		97
88) n-Propylbenzene	13.067	91	952133	38.30	ug/L		99
89) Bromobenzene	13.097	156	183822	37.07	ug/L		85
90) 1,1,2,2-Tetrachloroethane	13.121	83	263756	38.15	ug/L		98
91) 1,3,5-Trimethylbenzene	13.182	105	647247	38.11	ug/L		97
92) 2-Chlorotoluene	13.201	91	597278	37.00	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.237	53	57308	31.41	ug/L	#	55
94) 1,2,3-Trichloropropane	13.231	110	88332	38.43	ug/L		97
95) Cyclohexanone	13.286	55	89663	200.46	ug/L		95
96) 4-Chlorotoluene	13.310	91	533755	37.15	ug/L		99
97) tert-Butylbenzene	13.413	91	350009	37.40	ug/L		97
98) 1,2,4-Trimethylbenzene	13.456	105	637807	38.26	ug/L		98
99) Pentachloroethane	13.462	167	96680	37.26	ug/L		94
100) sec-Butylbenzene	13.529	105	780772	38.46	ug/L		99
101) 4-Isopropyltoluene	13.608	119	659816	38.69	ug/L		98
102) 1,3-Dichlorobenzene	13.724	146	329583	36.94	ug/L		99
103) 1,2,3-Trimethylbenzene	13.760	105	637635	37.83	ug/L		99
104) 1,4-Dichlorobenzene	13.778	146	341857	36.14	ug/L		96
105) n-Butylbenzene	13.900	92	318633	37.66	ug/L		95
106) Benzyl Chloride	13.931	126	114939	40.16	ug/L		97
107) 1,2-Dichlorobenzene	14.070	146	331177	37.96	ug/L		99
108) 1,2-Dibromo-3-Chloropr...	14.600	75	67068	41.65	ug/L		98
109) Hexachlorobutadiene	15.007	225	60966	36.23	ug/L		97
110) 1,2,4-Trichlorobenzene	15.062	180	211042	37.00	ug/L		99
111) Naphthalene	15.312	128	962967	39.20	ug/L		100
112) 1,2,3-Trichlorobenzene	15.451	180	211907	37.06	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

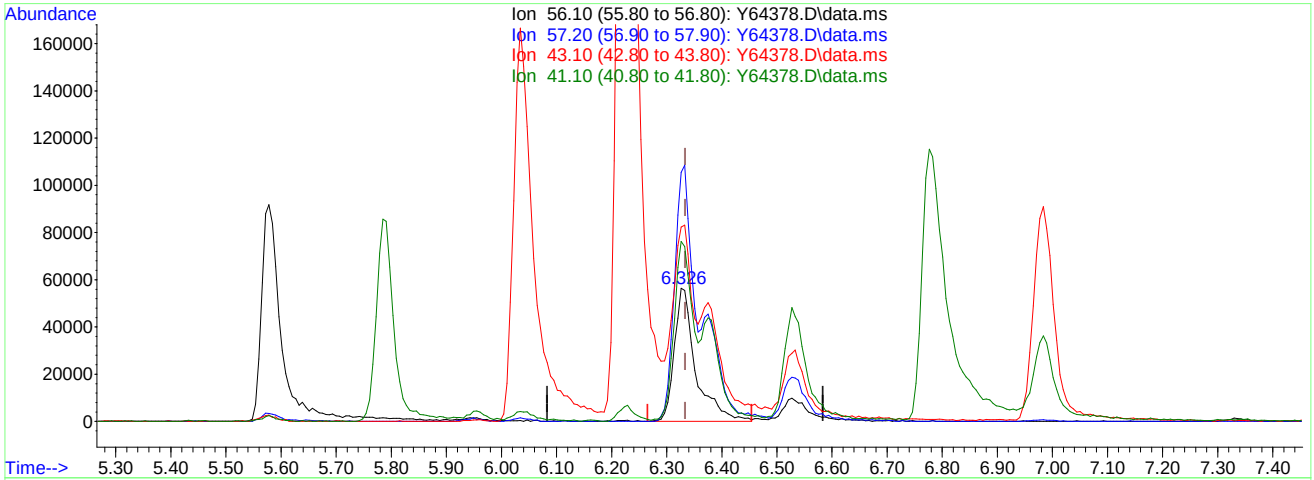
Sample Number: VY2669-CC2666 **Method:** SW846 8260D
Lab FileID: Y64378.D **Analyst approved:** 09/01/22 11:27 Jo-Ann Lugo De Jesus
Injection Time: 09/01/22 11:07 **Supervisor approved:** 09/02/22 11:07 Karen Watson

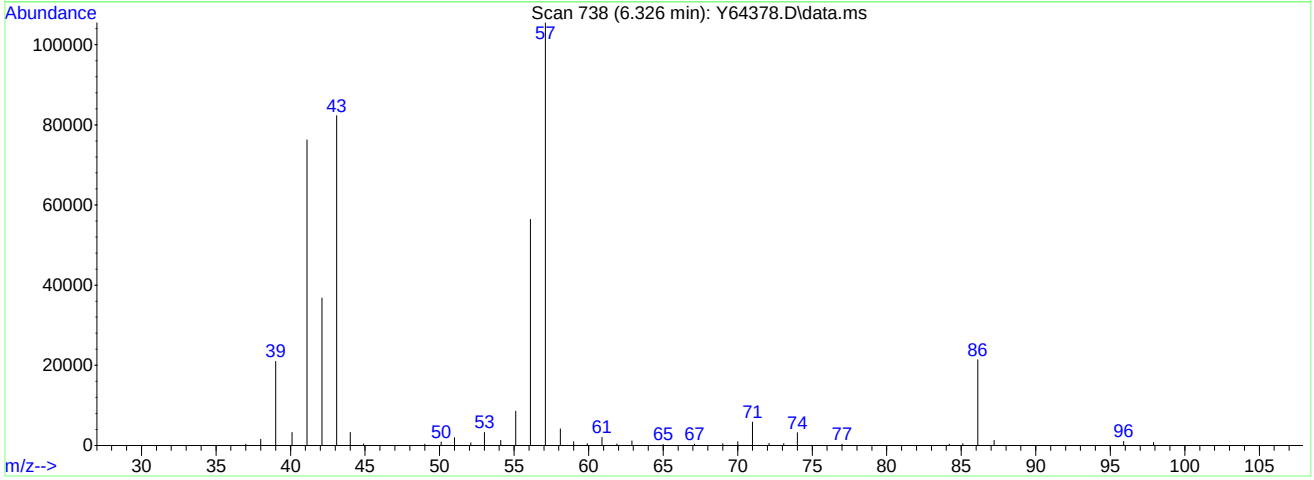
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.37	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(22) Hexane

6.326min (-0.007) 58.52ug/L

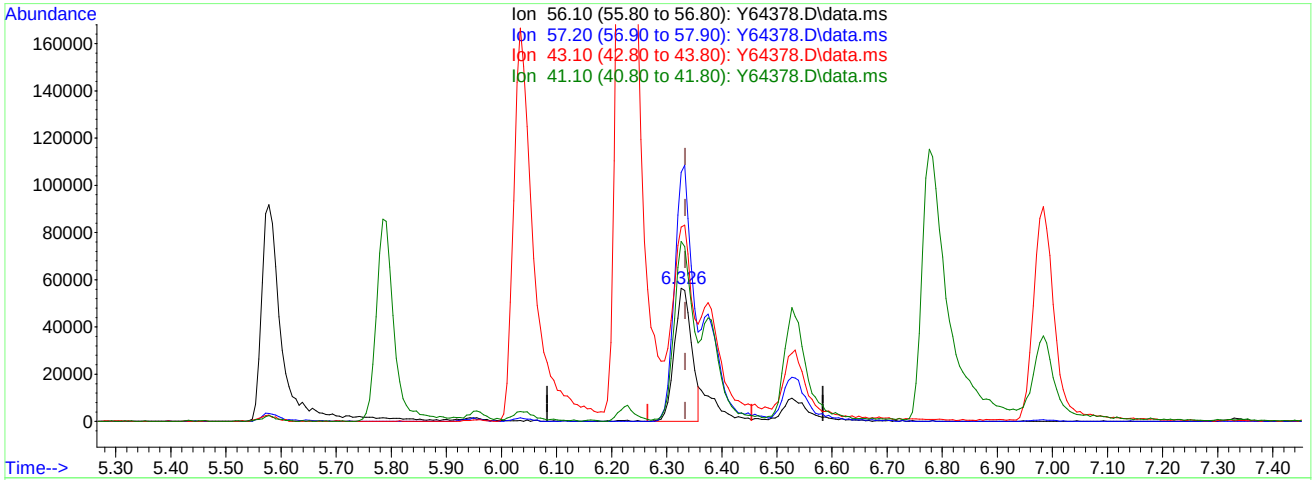
response 153126

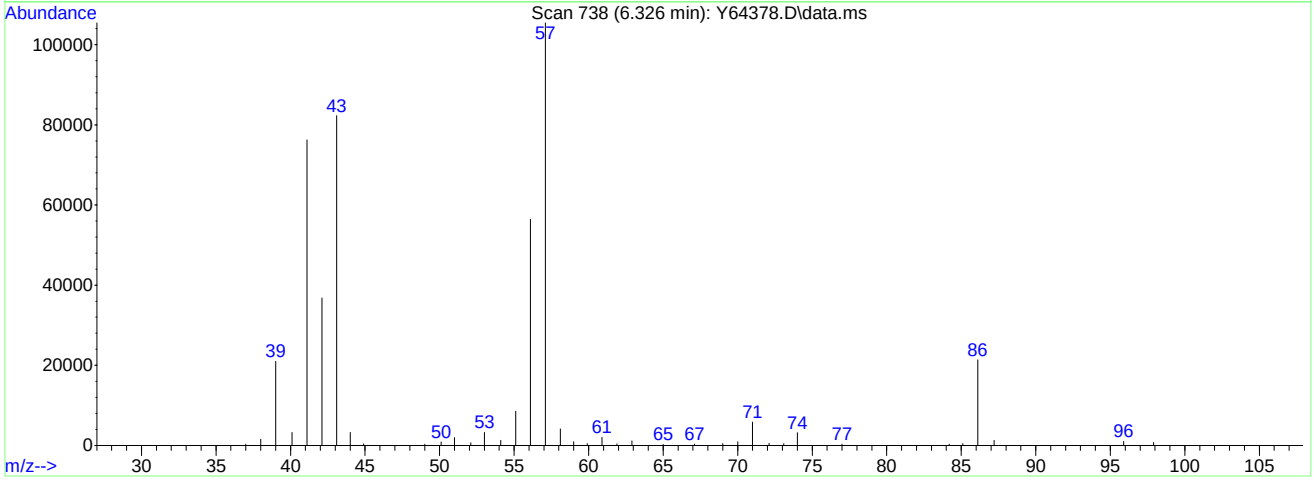
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	186.93
43.10	151.00	133.93
41.10	129.70	133.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(22) Hexane

6.326min (-0.007) 46.75ug/L m

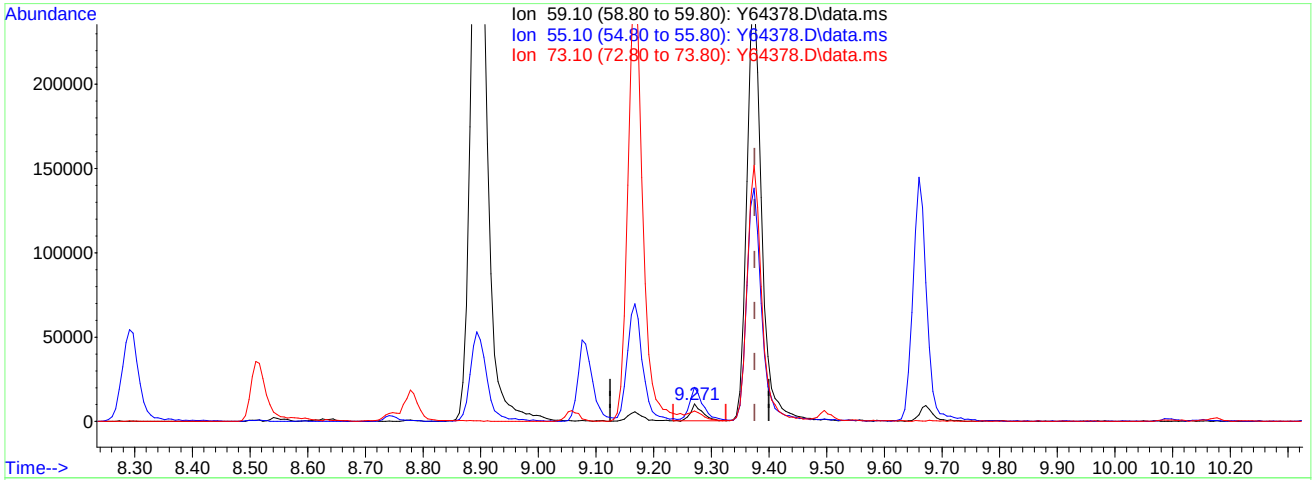
response 122342

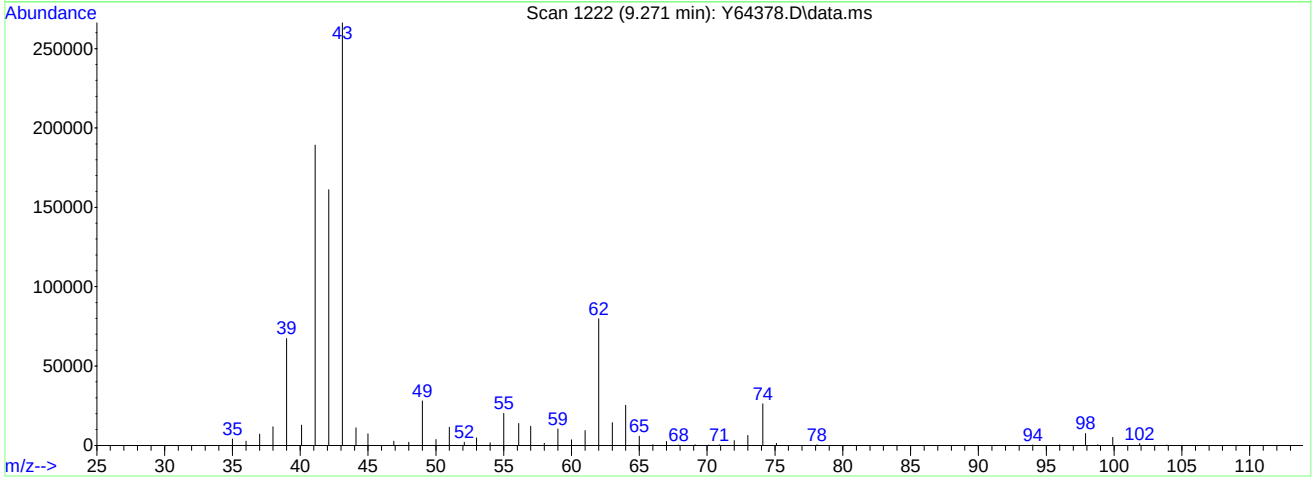
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	186.93
43.10	151.00	145.85
41.10	129.70	135.10

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(52) Tert Amyl Alcohol

9.271min (-0.104) 16.68ug/L

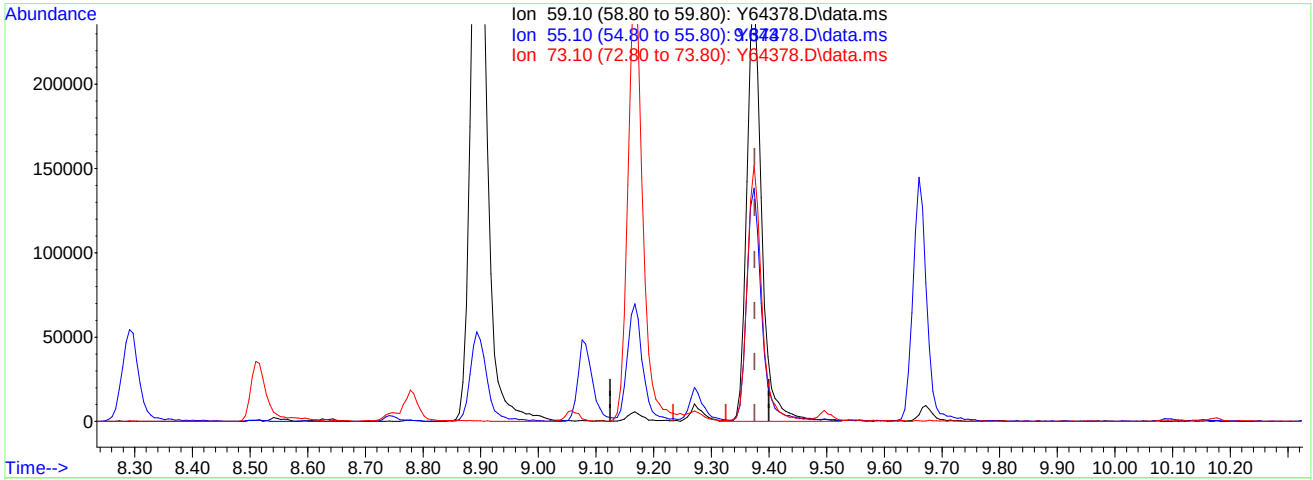
response 14625

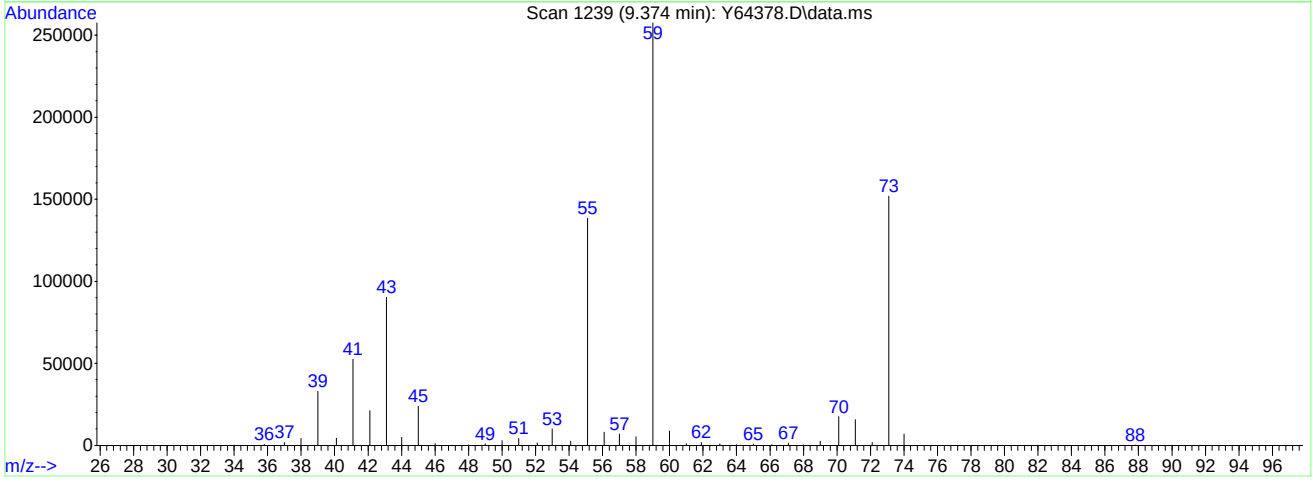
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	192.80#
73.10	59.00	55.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(52) Tert Amyl Alcohol

9.374min (-0.001) 430.15ug/L m

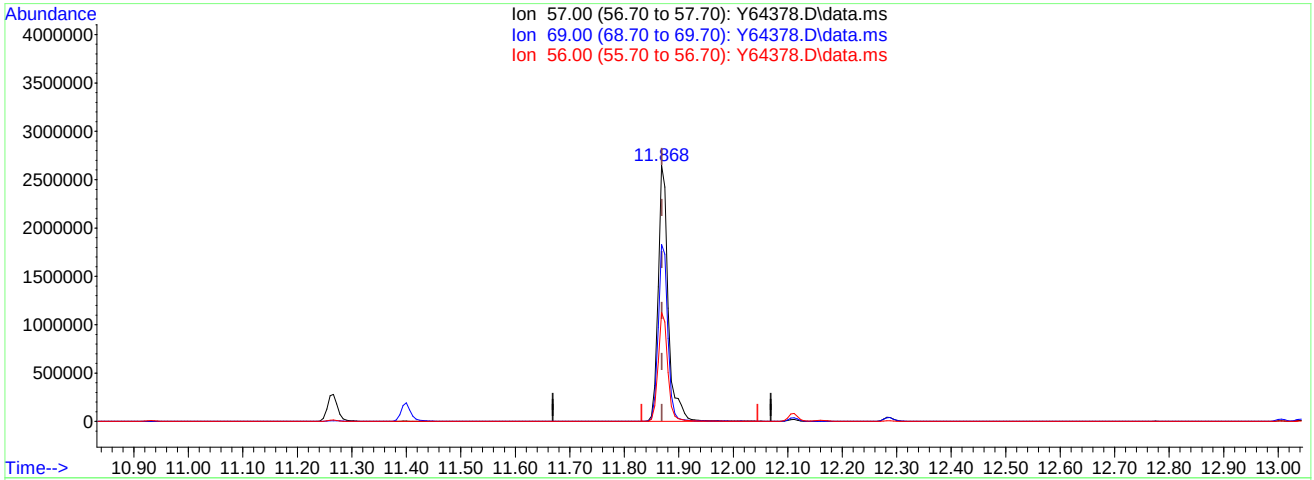
response 455842

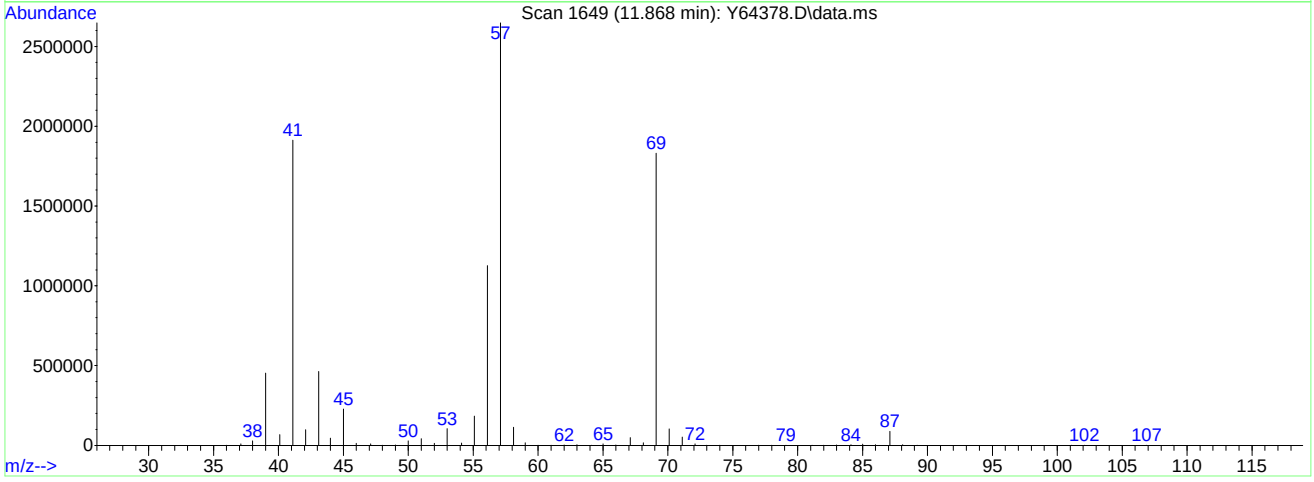
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	53.71
73.10	59.00	58.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.868min (-0.001) 1998.29ug/L

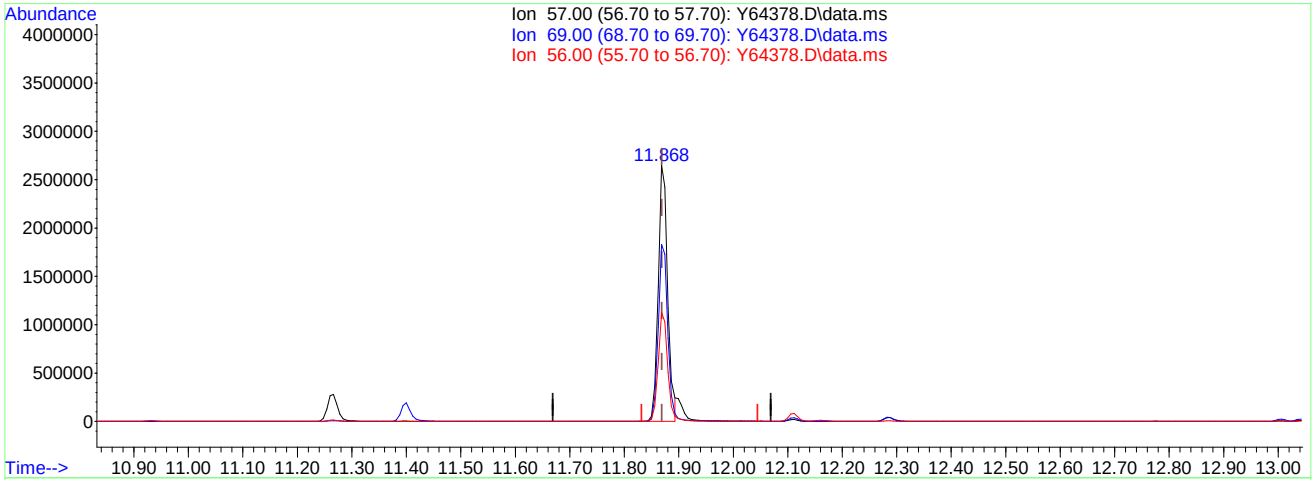
response 3428815

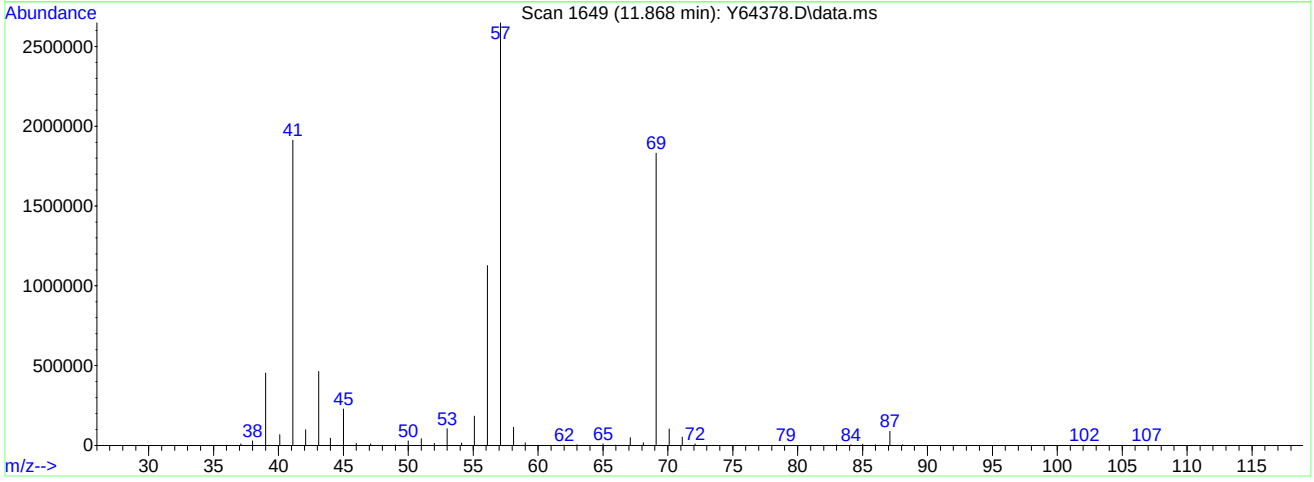
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	69.12
56.00	42.20	42.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.868min (-0.001) 1875.09ug/L m

response 3184783

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	69.15
56.00	42.20	42.51
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 11:07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:33:12 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	674131	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	592913	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	321706	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	153493	50.82	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.64%			
49) 1,2-Dichloroethane-d4	9.211	65	181369	49.16	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.32%			
63) Toluene-d8	10.932	98	704820	48.06	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.12%			
86) 4-Bromofluorobenzene	13.007	174	227419	46.56	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.12%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.847	85	152073	39.32	ug/L	96
3) Acrolein	5.579	56	202137	208.33	ug/L	100
4) Chloromethane	3.176	50	168341	40.09	ug/L	96
5) 1,3-butadiene	3.340	39	168214	43.95	ug/L	98
6) Vinyl Chloride	3.310	62	183938	39.19	ug/L	95
7) Bromomethane	3.833	94	55778	54.59	ug/L	97
8) Chloroethane	4.027	64	74427	46.37	ug/L	100
9) Trichlorofluoromethane	4.240	101	212493	42.93	ug/L	97
10) Ethyl Ether	4.751	59	131099	42.71	ug/L	98
11) Ethanol	5.001	45	88363	939.85	ug/L	97
12) 1,2-Dichlorotrifluoroe...	5.037	67	140464	41.39	ug/L	98
13) 1,1-Dichloroethene	5.043	61	200980	43.73	ug/L	97
14) Freon 113	5.104	101	134772	42.18	ug/L	99
15) Carbon Disulfide	5.098	76	375110	42.93	ug/L	100
16) Iodomethane	5.275	142	37872	45.82	ug/L	91
17) Allyl chloride	5.786	41	172188	39.45	ug/L	98
18) Methylene Chloride	5.956	49	220989	40.39	ug/L	98
19) Acetone	6.035	43	432536	218.55	ug/L	95
20) Methyl acetate	6.224	43	1046241	238.57	ug/L	99
21) trans-1,2-Dichloroethene	6.218	61	193982	42.32	ug/L	96
22) Hexane	6.333	56	105522m	42.71	ug/L	
23) Methyl Tert Butyl Ether	6.382	73	440639	41.75	ug/L	79
24) Tert Butyl Alcohol	6.534	59	514185	441.48	ug/L	98
25) Acetonitrile	6.777	41	390371	437.45	ug/L	96
26) Di-isopropyl ether	6.984	45	480064	42.81	ug/L	97
27) Chloroprene	7.173	53	34526	40.08	ug/L	92
28) 1,1-Dichloroethane	7.215	63	254691	42.71	ug/L	98
29) Acrylonitrile	7.300	53	506395	211.95	ug/L	98
30) ETBE	7.574	59	484342	43.34	ug/L	99
31) Vinyl acetate	7.598	43	1894375	205.77	ug/L	100
32) cis-1,2-Dichloroethene	8.030	96	161002	42.38	ug/L	97
33) 2,2-Dichloropropane	8.170	77	171464	34.68	ug/L	97
34) Bromochloromethane	8.292	128	71224	40.16	ug/L	90
35) Cyclohexane	8.292	56	291380	44.33	ug/L	97
36) Chloroform	8.377	83	254629	42.81	ug/L	97
37) Ethyl acetate	8.511	43	1411308	207.17	ug/L	99
38) Tetrahydrofuran	8.584	42	112742	41.33	ug/L	94
40) Carbon Tetrachloride	8.554	117	166350	41.66	ug/L	93
41) 1,1,1-Trichloroethane	8.633	97	219559	42.21	ug/L	99
42) 2-Butanone	8.742	43	763347	212.04	ug/L	100
43) 1,1-Dichloropropene	8.779	75	204418	43.09	ug/L	96
44) tert-Butyl formate	8.894	59	680789	223.31	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:33:12 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	9.083	54	476776	417.39	ug/L		99
46) Methacrylonitrile	9.101	41	1570973	416.40	ug/L		98
47) Benzene	9.059	78	657896	42.66	ug/L		99
48) TAME	9.168	73	459383	42.07	ug/L		99
50) Isobutyl Alcohol	9.278	42	293655	901.84	ug/L		98
51) 1,2-Dichloroethane	9.284	62	203704	41.87	ug/L		95
52) Tert Amyl Alcohol	9.375	59	450205m	446.85	ug/L		
53) Trichloroethene	9.673	95	159002	42.57	ug/L		96
54) Methylcyclohexane	9.661	83	289543	44.37	ug/L		98
55) Dibromomethane	10.087	93	90267	42.80	ug/L		93
56) 1,2-Dichloropropane	10.172	63	160749	43.44	ug/L		98
57) Bromodichloromethane	10.227	83	172558	43.73	ug/L		98
58) Methyl methacrylate	10.342	41	187856	43.26	ug/L		98
59) 1,4-Dioxane	10.409	88	84809	990.07	ug/L		96
60) 2-Chloroethyl vinyl ether	10.707	63	264316	246.09	ug/L		99
61) cis-1,3-Dichloropropene	10.780	75	224947	42.05	ug/L		98
64) Toluene	10.975	91	707393	39.02	ug/L		99
65) 2-Nitropropane	11.169	41	367982	204.32	ug/L		99
66) 4-Methyl-2-pentanone	11.267	43	1541388	205.27	ug/L		99
67) trans-1,3-Dichloropropene	11.309	75	196185	39.24	ug/L		85
68) Tetrachloroethene	11.303	166	170003	38.80	ug/L		91
69) Ethyl methacrylate	11.401	69	240496	39.43	ug/L		98
70) 1,1,2-Trichloroethane	11.443	83	122328	38.80	ug/L		97
71) Dibromochloromethane	11.589	129	133181	39.35	ug/L		97
72) 1,3-Dichloropropane	11.656	76	267604	38.88	ug/L		98
73) 1,2-Dibromoethane	11.790	107	153912	39.54	ug/L		100
74) 3,3-dimethyl-1-butanol	11.869	57	3201559m	1979.90	ug/L		
75) 2-hexanone	11.900	43	1252549	194.91	ug/L		99
76) 1-Chlorohexane	12.112	91	223894	41.05	ug/L		99
77) Ethylbenzene	12.155	91	798378	39.98	ug/L		100
78) Chlorobenzene	12.167	112	440246	39.54	ug/L		88
79) 1,1,1,2-Tetrachloroethane	12.204	131	141150	39.94	ug/L		96
80) m,p-Xylene	12.258	91	1237826	80.21	ug/L		99
81) o-Xylene	12.569	91	609555	41.16	ug/L		97
82) Styrene	12.605	104	477739	44.25	ug/L		97
83) Bromoform	12.666	173	80910	34.98	ug/L		96
84) Isopropylbenzene	12.782	105	768402	40.79	ug/L		98
87) cis-1,4-Dichloro-2-butene	13.031	53	46457	24.90	ug/L		95
88) n-Propylbenzene	13.068	91	940243	39.82	ug/L		98
89) Bromobenzene	13.098	156	170421	36.19	ug/L		83
90) 1,1,2,2-Tetrachloroethane	13.122	83	253689	38.63	ug/L		99
91) 1,3,5-Trimethylbenzene	13.177	105	641368	39.76	ug/L		99
92) 2-Chlorotoluene	13.201	91	588769	38.40	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.238	53	45958	26.52	ug/L	#	49
94) 1,2,3-Trichloropropane	13.232	110	84688	38.80	ug/L		96
95) Cyclohexanone	13.287	55	87420	205.77	ug/L		96
96) 4-Chlorotoluene	13.311	91	533166	39.07	ug/L		99
97) tert-Butylbenzene	13.414	91	350769	39.46	ug/L		98
98) 1,2,4-Trimethylbenzene	13.457	105	635652	40.14	ug/L		98
99) Pentachloroethane	13.463	167	78355	31.93	ug/L		82
100) sec-Butylbenzene	13.530	105	787109	40.82	ug/L		99
101) 4-Isopropyltoluene	13.609	119	658110	40.63	ug/L		98
102) 1,3-Dichlorobenzene	13.725	146	314694	37.13	ug/L		98
103) 1,2,3-Trimethylbenzene	13.761	105	621364	38.81	ug/L		99
104) 1,4-Dichlorobenzene	13.779	146	326814	36.38	ug/L		98
105) n-Butylbenzene	13.895	92	326425	40.61	ug/L		96
106) Benzyl Chloride	13.931	126	74869	28.31	ug/L		93
107) 1,2-Dichlorobenzene	14.071	146	310516	37.47	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:33:12 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

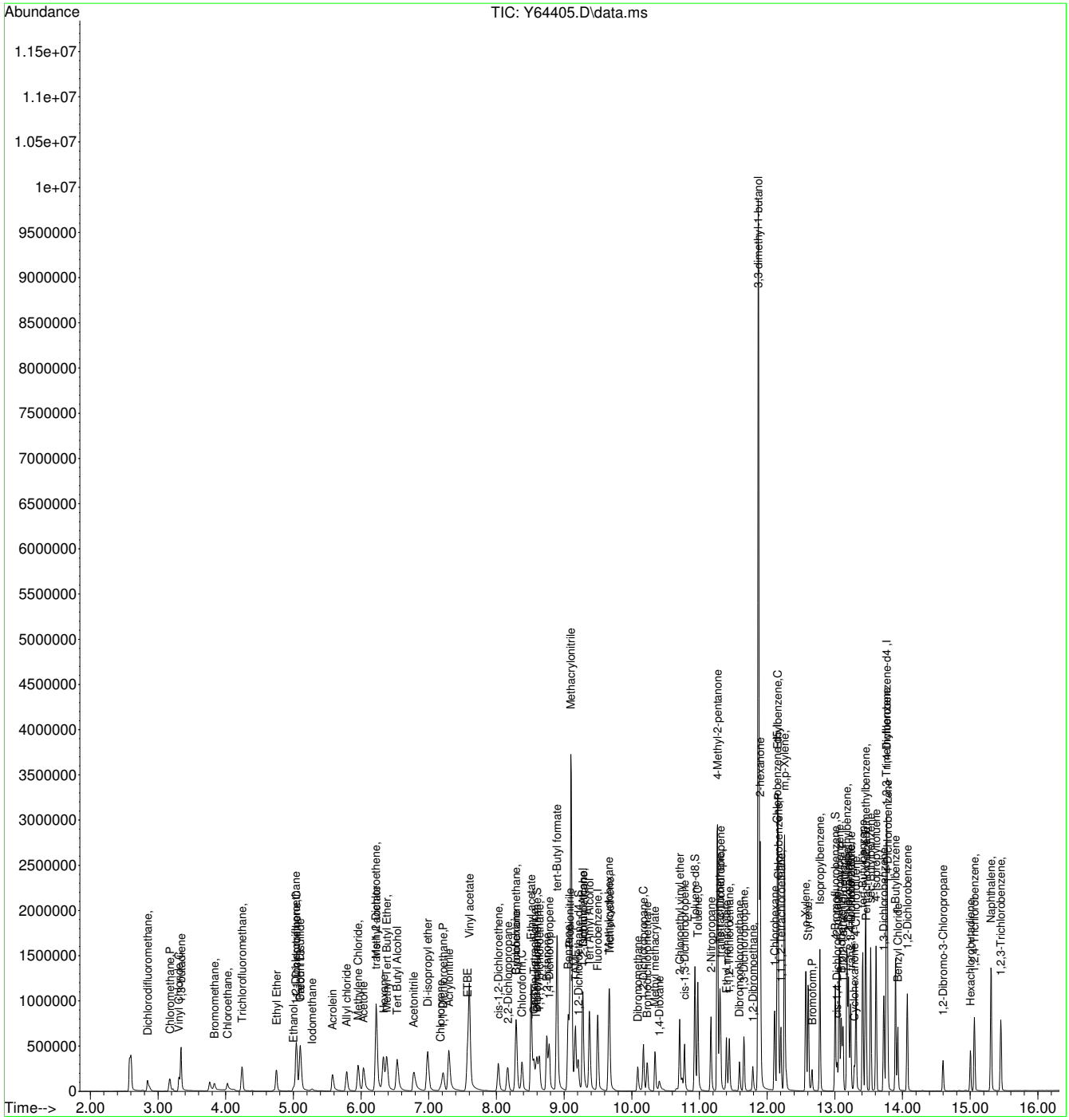
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.601	75	59510	38.91	ug/L	96
109) Hexachlorobutadiene	15.002	225	59791	37.29	ug/L	89
110) 1,2,4-Trichlorobenzene	15.063	180	191043	35.26	ug/L	94
111) Naphthalene	15.306	128	904102	38.74	ug/L	99
112) 1,2,3-Trichlorobenzene	15.452	180	190531	35.09	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:33:12 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



Manual Integration Approval Summary

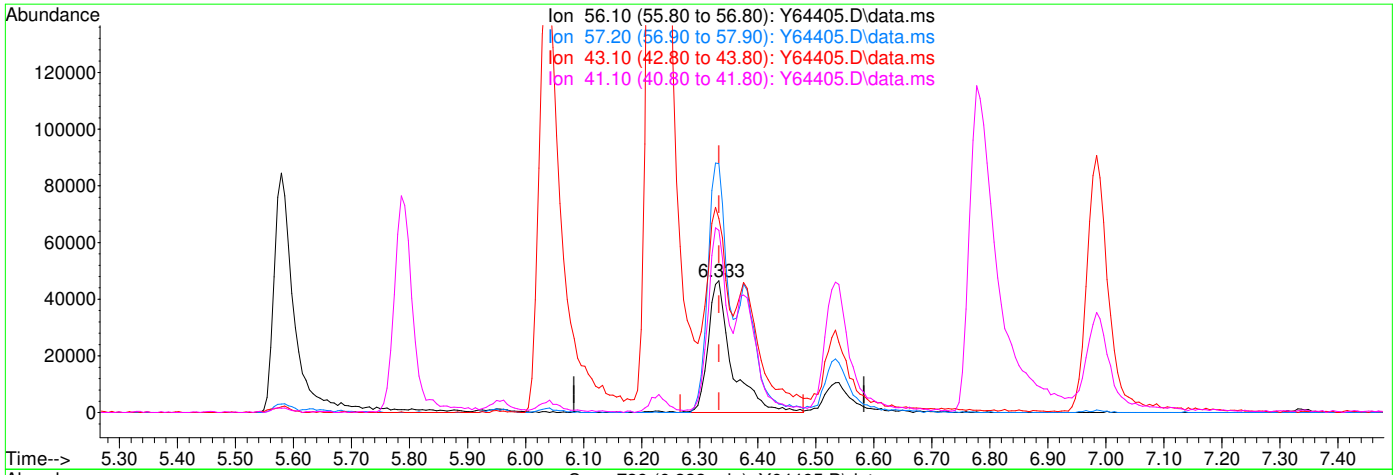
Sample Number: VY2669-ECC2666
Lab FileID: Y64405.D
Injection Time: 09/01/22 22:18
Method: SW846 8260D
Analyst approved: 09/02/22 09:08 Jo-Ann Lugo De Jesus
Supervisor approved: 09/02/22 11:07 Karen Watson

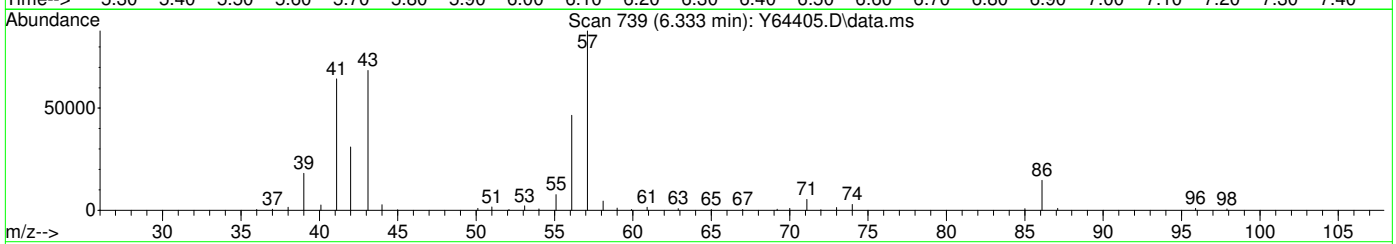
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.37	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

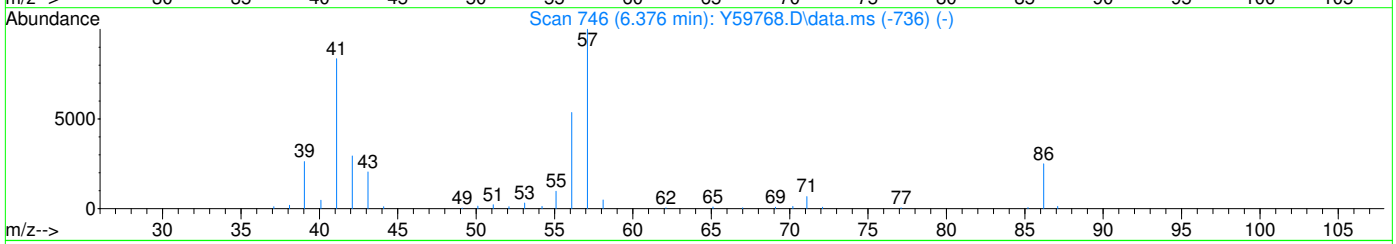
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
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ALS Vial : 29 Sample Multiplier: 1

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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64405.D\data.ms

(22) Hexane

6.333min (-0.000) 53.79ug/L

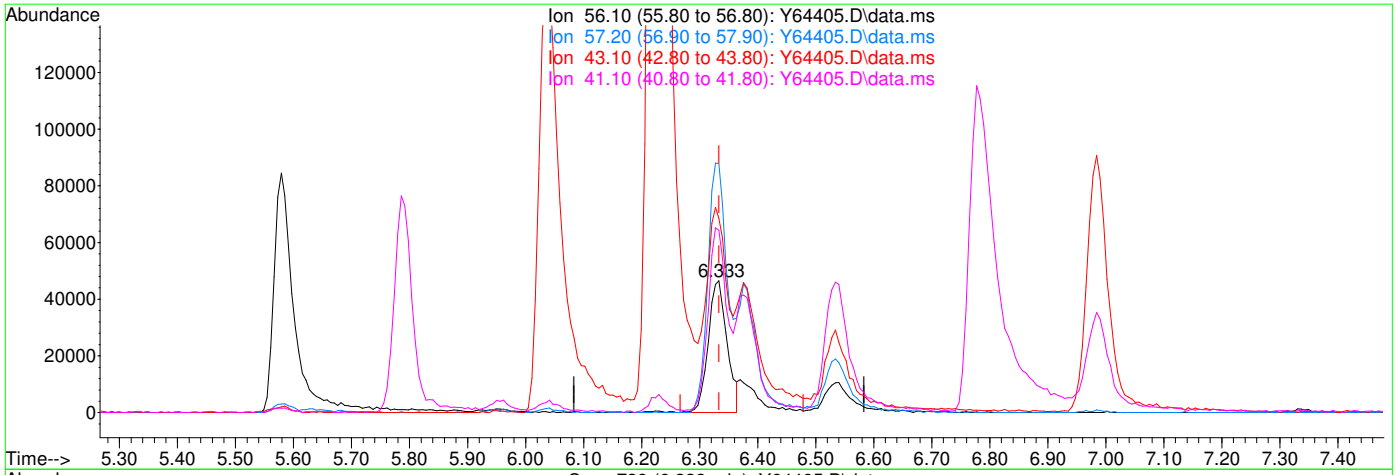
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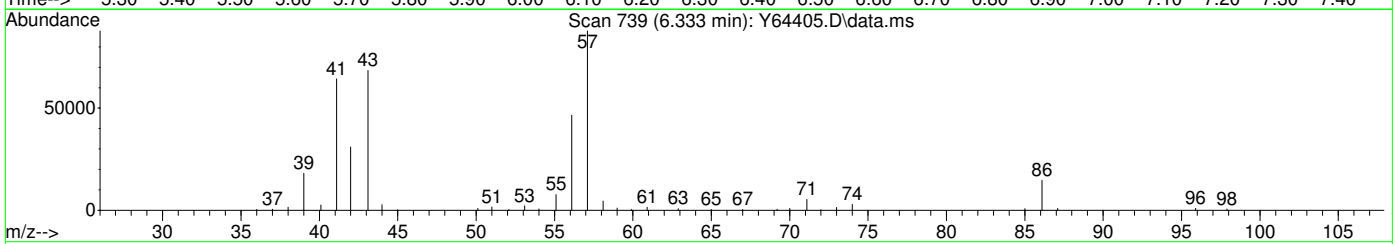
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	189.05
43.10	151.00	136.57
41.10	129.70	136.41

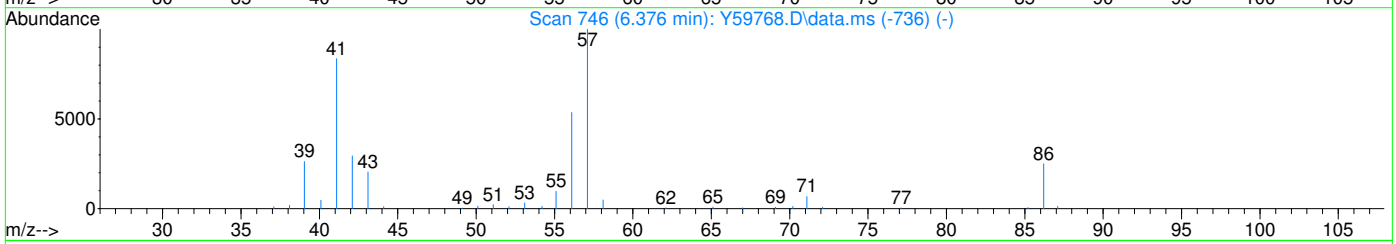
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:12:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64405.D\data.ms

(22) Hexane

6.333min (-0.000) 42.71ug/L m

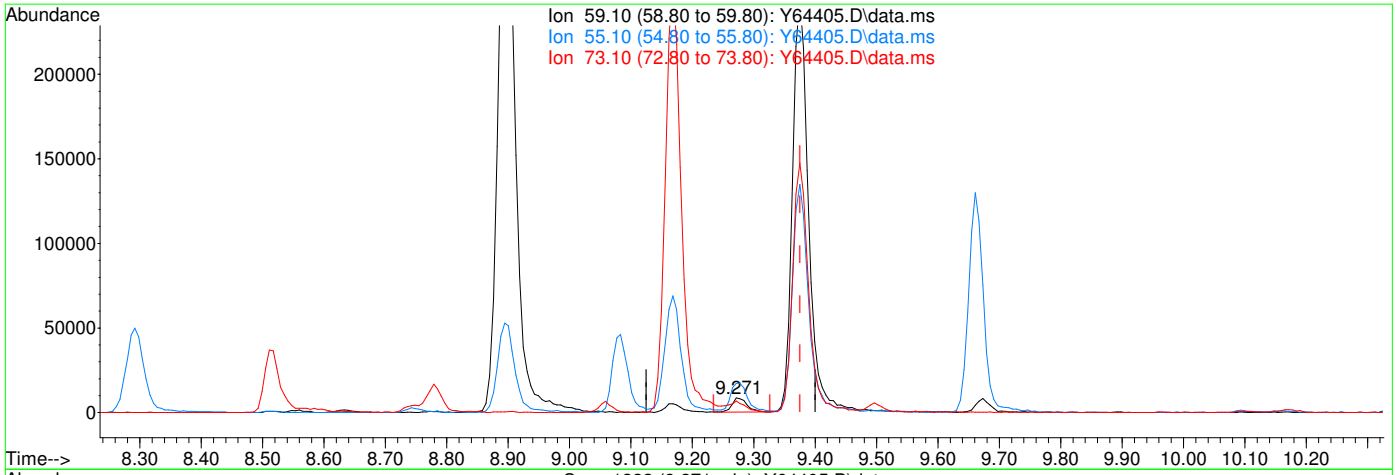
response 105522

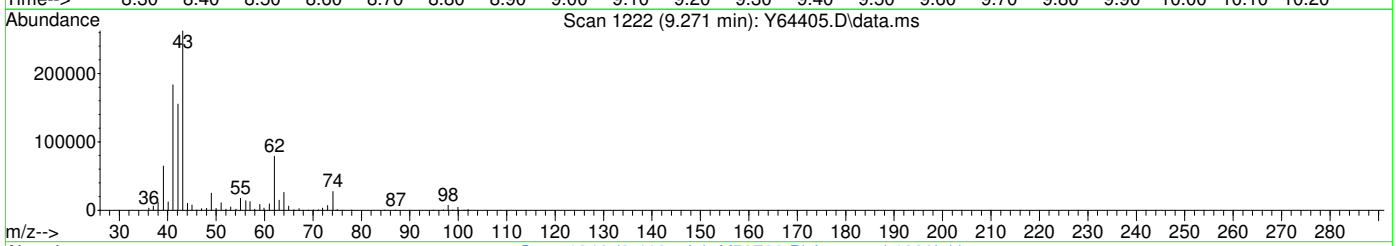
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	189.05
43.10	151.00	147.35
41.10	129.70	138.45

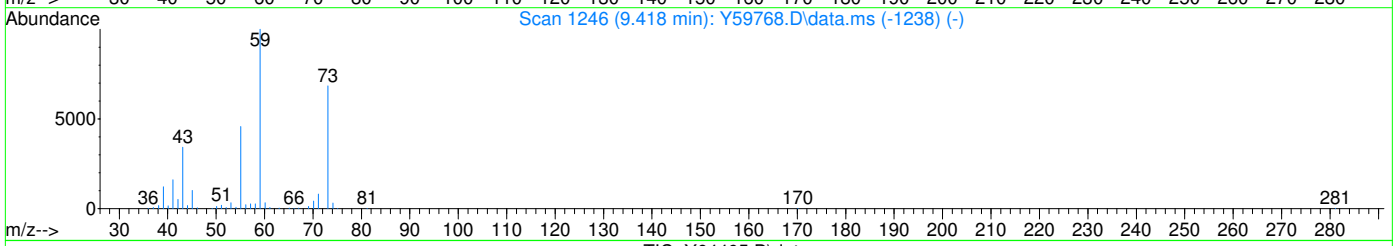
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:12:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64405.D\data.ms

(52) Tert Amyl Alcohol

9.271min (-0.104) 17.39ug/L

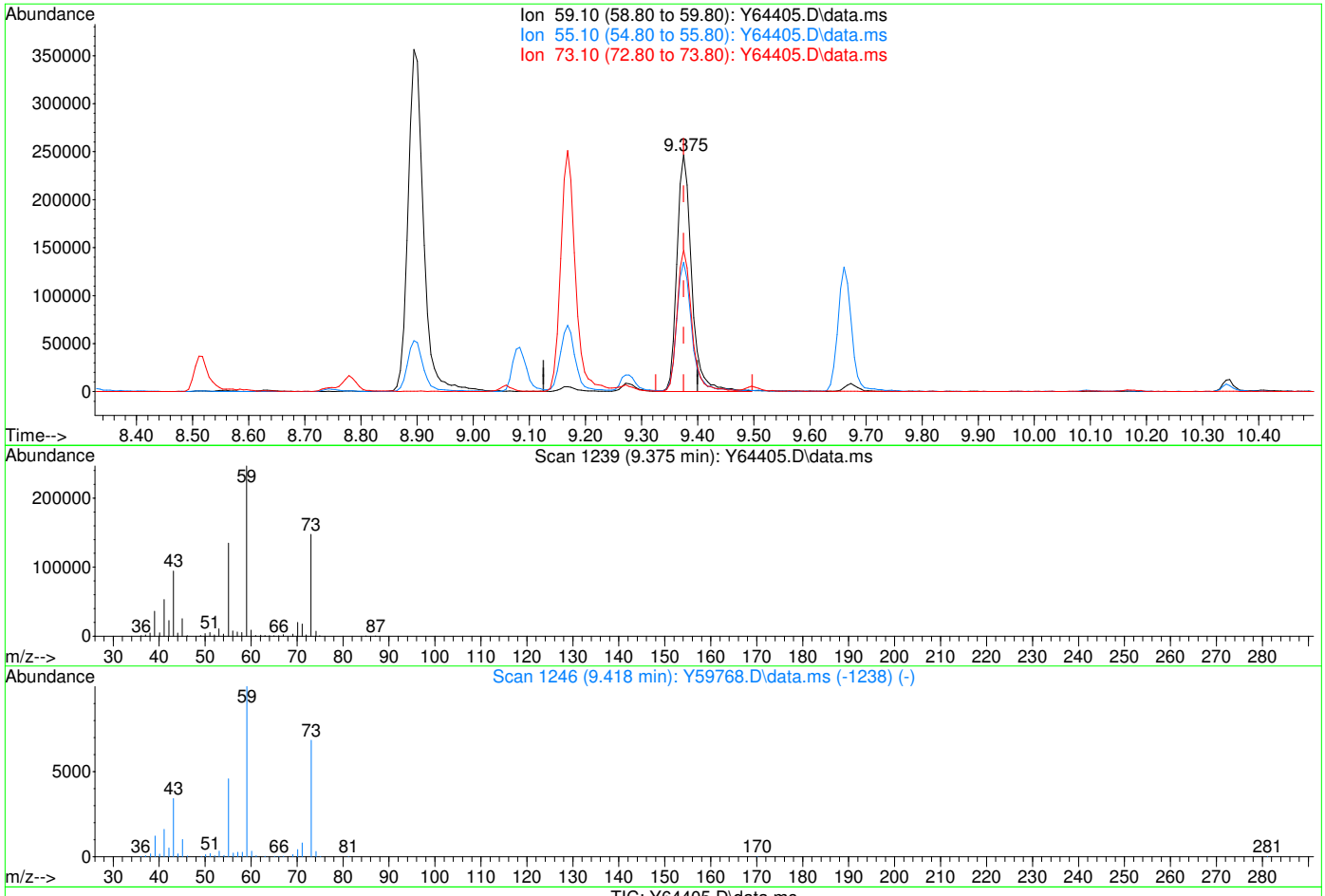
response 14404

Ion	Exp%	Act%
59.10	100	100
55.10	51.70	195.62#
73.10	59.00	78.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:12:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



TIC: Y64405.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.000) 446.85ug/L m

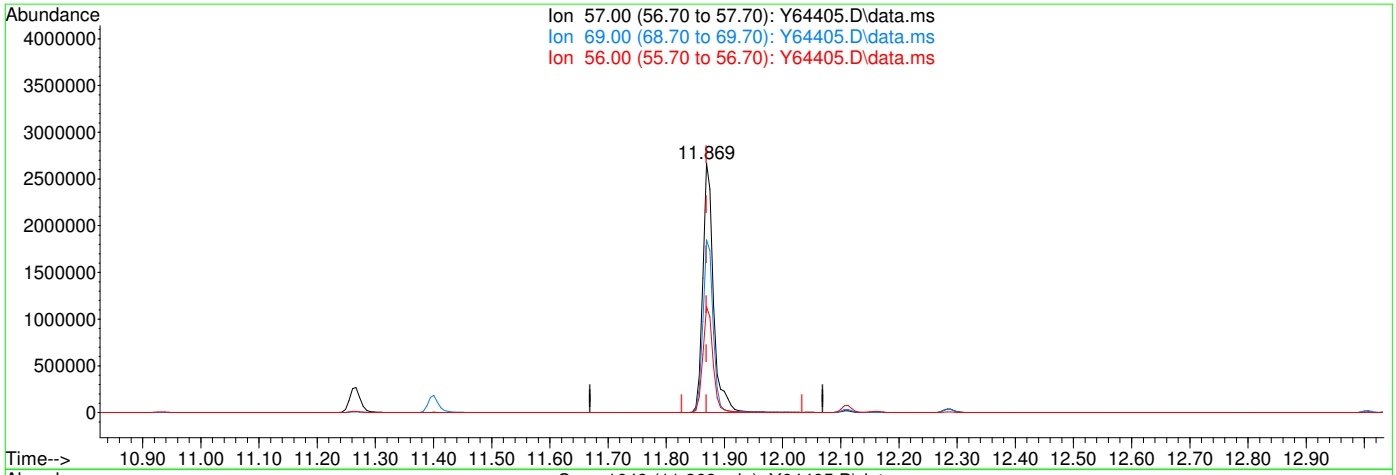
response 450205

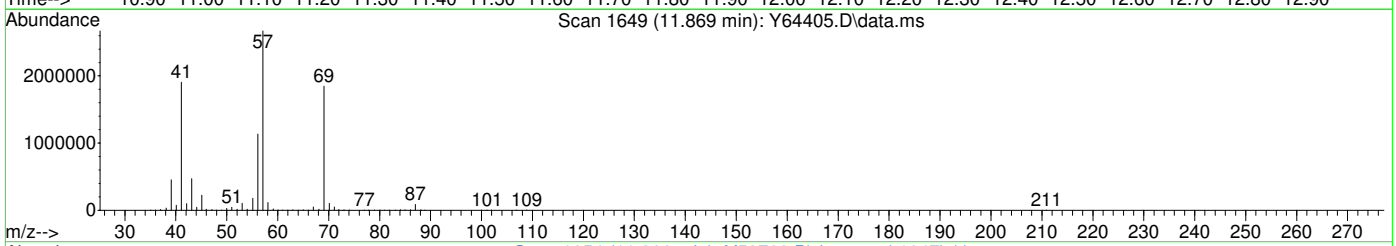
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	54.64
73.10	59.00	59.77
0.00	0.00	0.00

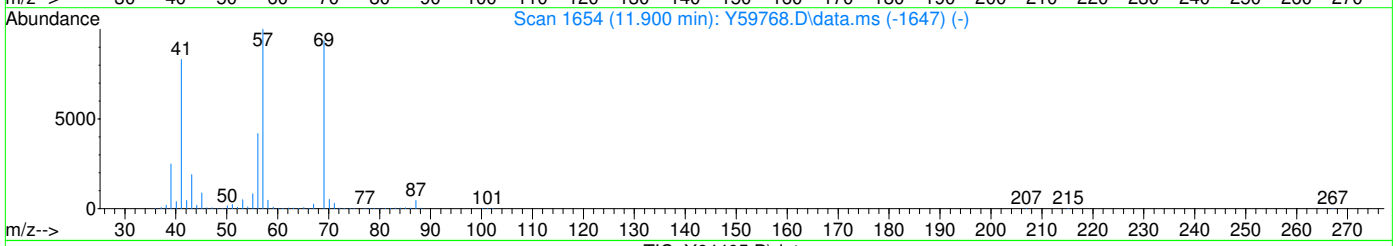
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:12:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64405.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (+0.000) 2101.07ug/L

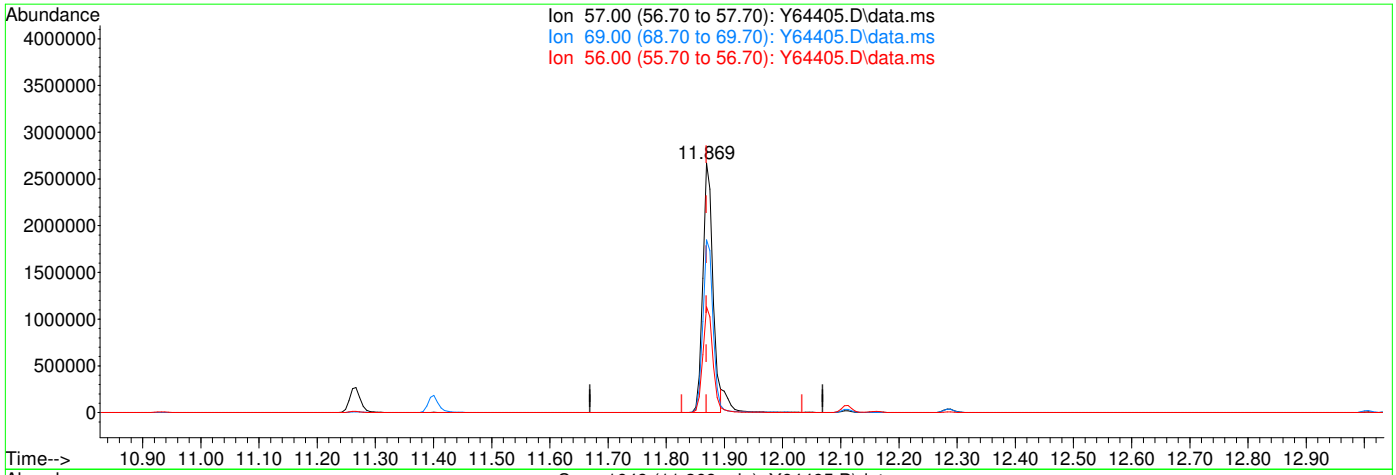
response 3431428

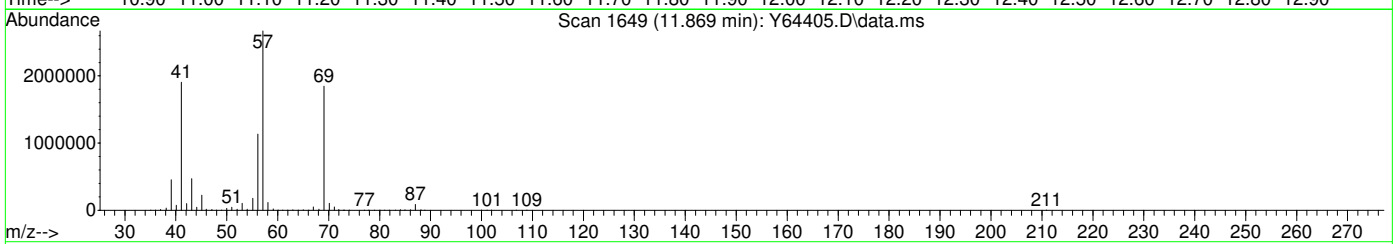
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	69.20
56.00	42.20	42.38
0.00	0.00	0.00

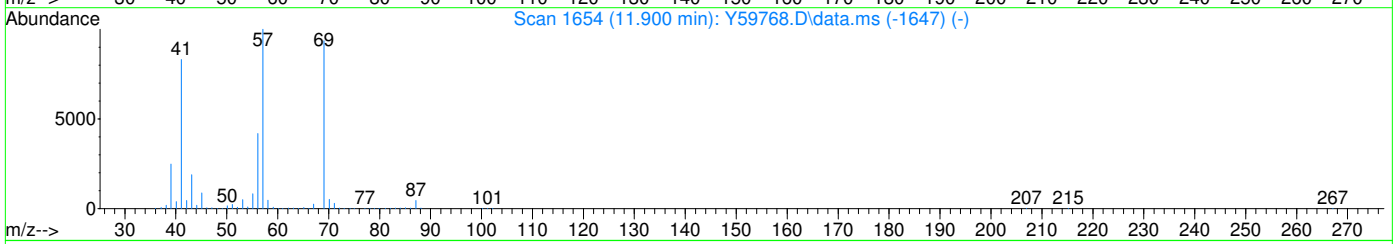
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:12:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64405.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (+0.000) 1979.90ug/L m

response 3201559

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	69.22
56.00	42.20	42.39
0.00	0.00	0.00

SGS -ORLANDO

MSVOA14-Y-ANALYSIS LOG

DATE: 08/29/2022	
COLUMN TYPE: RTX-VMS	
DETECTOR: 5973 MSD	
INSTRUMENT: MSVOA14-Y	
PURGE PRESSURE: 9.0 psi	
PURGE VOLUME: 5 mL	
ANALYST: JoAnn L	

METHODS:	8260
METHOD FILE: APIX_08-29-2022_Y.M	
CALIB. DATE:	8/29/2022
EM VOLTAGE:	1165V
BFB RESPONSE:	1219829
RUN ID:	**VY2666**

BFB:	VS2377
ICAL/CC:	VS2375, VS2376, VS2387,
VS2386, VS2383, VS2407	
ISTD/SURR:	VS2377
ICV/QC:	VS2349, VS2350, VS2394
VS2389, VS2388, VS2385, VS2414	
DATA PROCESSED BY: JoAnn L	

0 to 12 pH lot#
0 to 3 pH lot#: 220416
KI PAPER LOT: 102916
AFA: N/A
SAMPLE ID VERIFIED BY: JoAnn L
DATE: 08/29/2022

DATA FILE	SAMPLE ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONALE & PEAK #	pH	CI ?	RR	COMMENTS
Y64309	BLANK	-	-	W	1	8260		-	-	-	Passed Autofind ✓
Y64310	BFB	-	-	W	2	8260		-	-	-	Passed autofind ✓
Y64311	IC2666-1	-	-	W	3	8260		-	-	-	1uL → 100mL ✓
Y64312	IC2666-2	-	-	W	4	8260		-	-	-	5uL → 100mL ✓
Y64313	IC2666-3	-	-	W	5	8260		-	-	-	5uL → 50mL ✓
Y64314	IC2666-4	-	-	W	6	8260		-	-	-	12.5uL → 50mL ✓
Y64315	ICC2666-5	-	-	W	7	8260		-	-	-	40uL → 100mL ✓
Y64316	IC2666-6	-	-	W	8	8260		-	-	-	35uL → 50mL ✓
Y64317	IC2666-7	-	-	W	9	8260		-	-	-	50uL → 50mL ✓
Y64318	BLANK	-	-	W	10	8260		-	-	-	✓
Y64319	ICV2666-5	-	-	W	11	8260	Not used-bad prep; re ran on VY2667	-	-	Y	25uL → 50mL ✓
Y64320	ICV2666-4	-	-	W	12	8260	Not used-bad prep; re ran on VY2667	-	-	Y	12.5uL → 40mL ✓
Y64323	ICV2666-5	-	-	W	3	8260	VY2666	-	-	-	25uL → 50mL ✓
Y64324	ICV2666-4	-	-	W	4	8260	TAME/CHO/33DM only; VY2666	-	-	-	12.5uL → 40mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rationale SOP QA029 MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration.

Analyst's Signature: _____

SGS -ORLANDO

MSVOA14-Y-ANALYSIS LOG

DATE: 09/01/2022	
COLUMN TYPE: RTX-VMS	
DETECTOR: 5973 MSD	
INSTRUMENT: MSVOA14-Y	
PURGE PRESSURE: 9.0 psi	
PURGE VOLUME: 5 mL	
ANALYST: JoAnn L	

METHODS:	8260
METHOD FILE: APIX_08-29-2022_Y.M	
CALIB. DATE:	8/29/2022
EM VOLTAGE:	1165V
BFB RESPONSE:	1994675
RUN ID:	**VY2669**

BFB: VS2377
ICAL/CC: VS2375, VS2376, VS2387,
VS2386, VS2383, VS2407
ISTD/SURI VS2377
ICV/QC: VS2349, VS2350, VS2394
VS2389, VS2388, VS2385, VS2414
DATA PROCESSED BY: JoAnn L

0 to 12 pH lot#
0 to 3 pH lot#: 220416
KI PAPER LOT: 102916
AFA: N/A
SAMPLE ID VERIFIED BY: JoAnn L
DATE: 09/01/2022

DATA FILE	SAMPLE ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONALE & PEAK #	pH	CI ?	RR	COMMENTS
Y64377	BLANK	-	-	W	1	8260		-	-	-	Passed Autofind ✓
Y64378	CC2666-5/BFB	-	-	W	2	8260	#22,74(OP) #52(MP)	-	-	-	Passed autofind; 40uL(-)50mL ✓
Y64379	BS	-	-	W	3	8260	#22,74(OP) #52(MP)	-	-	-	12.5uL → 40mL ✓
Y64380	CC2666-1	-	-	W	4	8260	All peaks present	-	-	-	1uL → 100mL ✓
Y64381	BLANK	-	-	W	5	8260		-	-	-	✓
Y64382	MB	-	-	W	6	8260		-	-	-	ND ✓
Y64383	FA98455-7	1X	2	W	7	8260		1	N	-	ND ✓
Y64384	FA98303-8	1X	3	W	8	8260		1	N	-	Headspace✓
Y64385	FA98303-2	1X	3	W	9	8260		1	N	-	✓
Y64386	**FA98404-13**	1X	3	W	10	8260		1	N	**1x**	CIS12 carryover
Y64387	FA98404-14	1X	3	W	11	8260		1	N	-	✓
Y64388	**FA98404-16**	1X	3	W	12	8260		1	N	**1x**	CIS12 carryover
Y64389	**FA98404-18**	1X	3	W	13	8260		1	N	**1x**	CIS12 carryover
Y64390	FA98455-2	1X	1	W	14	8260		1	N	-	✓
Y64391	FA98455-3	1X	2	W	15	8260		1	N	-	✓
Y64392	FA98455-4	1X	1	W	16	8260		1	N	-	✓
Y64393	FA98455-5	1X	2	W	17	8260		1	N	-	Bubble>6mm, all vials received✓
Y64394	FA98455-6	1X	2	W	18	8260		1	N	-	ND ✓
Y64395	FA98455-8	1X	2	W	19	8260		1	N	-	✓
Y64396	FA98456-1	1X	2	W	20	8260		1	N	-	✓
Y64397	FA98456-2	1X	1	W	21	8260		1	N	-	✓
Y64398	FA98456-3	1X	2	W	22	8260		1	N	-	✓
Y64399	FA98455-1 5X	5X	2	W	23	8260	10mL(-)50mL	1	N	-	✓
Y64400	FA98303-7 10X	10X	3	W	24	8260	5mL(-)50mL	1	N	-	Headspace E-combine✓
Y64401	FA98455-4MS	1X	3	W	25	8260	#22,74(OP) #52(MP)	1	N	-	12.5uL → 40mL ✓
Y64402	FA98455-4MSD	1X	4	W	26	8260	#22,74(OP) #52(MP)	1	N	-	12.5uL → 40mL ✓
Y64403	FA98456-3MS	1X	3	W	27	8260	#22,74(OP) #52(MP)	1	N	-	12.5uL → 40mL ✓
Y64404	FA98456-3MSD	1X	4	W	28	8260	#22,74(OP) #52(MP)	1	N	-	12.5uL → 40mL ✓
Y64405	ECC2666-5	-	-	W	29	8260	#22,74(OP) #52(MP)	-	-	-	40uL(-)50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration.

Analyst's Signature: _____

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APPENDIX D-2 SD052-02 BUILDING 775 LABORATORY DATA PACKAGES

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Bhate Environmental

Griffiss AFB; Rome, NY

GRFIS-BECOS

SGS Job Number: FA98452

Sampling Date: 08/24/22



Report to:

Bhate Environmental
1608 13th Ave S Suite 300
Birmingham, AL 35205
dbadio@bhate.com

ATTN: David Badio

Total number of pages in report: **397**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Ariel Hartney 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

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SGS North America Inc.

Sample Summary

Bhate Environmental

Job No: FA98452

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA98452-1	08/24/22	13:15	NBBP	08/26/22	AQ	Ground Water	775MW-20-0822
FA98452-2	08/24/22	17:25	NBBP	08/26/22	AQ	Ground Water	775MW-6-0822
FA98452-2D	08/24/22	17:25	NBBP	08/26/22	AQ	Water Dup/MSD	775MW-6-0822
FA98452-2S	08/24/22	17:25	NBBP	08/26/22	AQ	Water Matrix Spike	775MW-6-0822
FA98452-3	08/24/22	15:25	NBBP	08/26/22	AQ	Ground Water	775VMW-10-0822
FA98452-4	08/24/22	19:40	NBBP	08/26/22	AQ	Ground Water	775VMW-4-0822
FA98452-5	08/24/22	17:50	NBBP	08/26/22	AQ	Ground Water	775VMW-5-0822
FA98452-6	08/24/22	16:35	NBBP	08/26/22	AQ	Ground Water	775VMW-8-0822
FA98452-7	08/24/22	15:25	NBBP	08/26/22	AQ	Ground Water	775VMW-9-0822
FA98452-8	08/24/22	07:30	NBBP	08/26/22	AQ	Trip Blank Water	775-TB01-0822-C
FA98452-9	08/24/22	19:50	NBBP	08/26/22	AQ	Equipment Blank	775-EB01-0822-D
FA98452-10	08/24/22	15:25	NBBP	08/26/22	AQ	Ground Water	775VMW-9-0822-A

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental **Job No:** FA98452

Site: Griffiss AFB; Rome, NY **Report Date:** 9/7/2022 4:14:21 PM

On 08/26/2022, 9 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 4.4 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FA98452 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** VO2808

Sample(s) FA98452-2MS, FA98452-2MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 1,3-Dichloropropane, Bromobenzene, Dibromochloromethane, Methyl Bromide, n-Butylbenzene, p-Chlorotoluene are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,3-Dichloropropane, n-Butylbenzene are outside control limits. Probable cause is due to matrix interference.

FA98452-1 for Chloroethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-1 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-2 for Chloroethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-2 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-2 for Trichloroethylene: Confirmed by re-analysis.

FA98452-3 for Chloroethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-3 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-4 for Chloroethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-4 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-4 for Trichloroethylene: Confirmed by re-analysis.

FA98452-5 for Chloroethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-5 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-6 for Chloroethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-6 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-7 for Chloroethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-7 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-8 for Chloroethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-8 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-9 for Chloroethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-9 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-10 for Chloroethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98452-10 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA98452
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/24/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA98452-1	**775MW-20-0822**					
1,1-Dichloroethane		2.5	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethane		0.33 J	1.0	0.50	ug/l	SW846 8260D
1,1-Dichloroethylene		1.8	1.0	0.50	ug/l	SW846 8260D
cis-1,2-Dichloroethylene		0.58 J	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		0.58 J	2.0	1.0	ug/l	SW846 8260D
1,1,1-Trichloroethane		0.53 J	1.0	0.50	ug/l	SW846 8260D
Trichloroethylene		60.7	1.0	0.50	ug/l	SW846 8260D
FA98452-2	**775MW-6-0822**					
Chloroform		0.36 J	1.0	0.50	ug/l	SW846 8260D
Trichloroethylene [a]		26.0	1.0	0.50	ug/l	SW846 8260D
FA98452-3	**775VMW-10-0822**					
Chloroform		0.41 J	1.0	0.50	ug/l	SW846 8260D
1,1,1-Trichloroethane		0.41 J	1.0	0.50	ug/l	SW846 8260D
Trichloroethylene		38.1	1.0	0.50	ug/l	SW846 8260D
FA98452-4	**775VMW-4-0822**					
Trichloroethylene [a]		6.1	1.0	0.50	ug/l	SW846 8260D
FA98452-5	**775VMW-5-0822**					
Trichloroethylene		31.2	1.0	0.50	ug/l	SW846 8260D
FA98452-6	**775VMW-8-0822**					
1,1,1-Trichloroethane		0.42 J	1.0	0.50	ug/l	SW846 8260D
Trichloroethylene		25.1	1.0	0.50	ug/l	SW846 8260D
FA98452-7	**775VMW-9-0822**					
Chloroform		0.55 J	1.0	0.50	ug/l	SW846 8260D
Trichloroethylene		20.5	1.0	0.50	ug/l	SW846 8260D
FA98452-8	**775-TB01-0822-C**					

No hits reported in this sample.

Summary of Hits

Job Number: FA98452
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/24/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA98452-9	**775-EB01-0822-D**					
Toluene		3.5	1.0	0.50	ug/l	SW846 8260D
FA98452-10	**775VMW-9-0822-A**					
Chloroform		0.57 J	1.0	0.50	ug/l	SW846 8260D
Trichloroethylene		19.8	1.0	0.50	ug/l	SW846 8260D

(a) Confirmed by re-analysis.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	775MW-20-0822		
Lab Sample ID:	FA98452-1	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O70813.D	1	09/01/22 18:09	JL	n/a	n/a	VO2808
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	2.5	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.33	1.0	0.50	0.31	ug/l	J
75-35-4	1,1-Dichloroethylene	1.8	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.58	1.0	0.50	0.28	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.58	2.0	1.0	0.50	ug/l	J
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID: 775MW-20-0822
Lab Sample ID: FA98452-1
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/24/22
Date Received: 08/26/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.53	1.0	0.50	0.25	ug/l	J
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	60.7	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	775MW-20-0822		
Lab Sample ID:	FA98452-1	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	775MW-6-0822		
Lab Sample ID:	FA98452-2	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O70814.D	1	09/01/22 18:34	JL	n/a	n/a	VO2808
Run #2	O70834.D	1	09/02/22 15:42	JL	n/a	n/a	VO2809

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.36	1.0	0.50	0.30	ug/l	J
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID: 775MW-6-0822
Lab Sample ID: FA98452-2
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/24/22
Date Received: 08/26/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene [b]	26.0	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	96%	83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	775MW-6-0822		
Lab Sample ID:	FA98452-2	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%	98%	79-125%
2037-26-5	Toluene-D8	97%	98%	85-112%
460-00-4	4-Bromofluorobenzene	100%	100%	83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.
(b) Confirmed by re-analysis.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	775VMW-10-0822		
Lab Sample ID:	FA98452-3	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O70815.D	1	09/01/22 18:59	JL	n/a	n/a	VO2808
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.41	1.0	0.50	0.30	ug/l	J
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID: 775VMW-10-0822
Lab Sample ID: FA98452-3
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/24/22
Date Received: 08/26/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.41	1.0	0.50	0.25	ug/l	J
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	38.1	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%

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

Report of Analysis

Client Sample ID:	775VMW-10-0822		
Lab Sample ID:	FA98452-3	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	775VMW-4-0822		
Lab Sample ID:	FA98452-4	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O70816.D	1	09/01/22 19:24	JL	n/a	n/a	VO2808
Run #2	O70835.D	1	09/02/22 16:07	JL	n/a	n/a	VO2809

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	775VMW-4-0822		
Lab Sample ID:	FA98452-4	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene [b]	6.1	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	97%	83-118%

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

Report of Analysis

Client Sample ID:	775VMW-4-0822		
Lab Sample ID:	FA98452-4	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%	102%	79-125%
2037-26-5	Toluene-D8	98%	97%	85-112%
460-00-4	4-Bromofluorobenzene	100%	98%	83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.
(b) Confirmed by re-analysis.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	775VMW-5-0822		
Lab Sample ID:	FA98452-5	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O70817.D	1	09/01/22 19:49	JL	n/a	n/a	VO2808
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	775VMW-5-0822		
Lab Sample ID:	FA98452-5	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	31.2	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%

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

Report of Analysis

Client Sample ID:	775VMW-5-0822		
Lab Sample ID:	FA98452-5	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	775VMW-8-0822		
Lab Sample ID:	FA98452-6	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O70818.D	1	09/01/22 20:14	JL	n/a	n/a	VO2808
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID: 775VMW-8-0822
Lab Sample ID: FA98452-6
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/24/22
Date Received: 08/26/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.42	1.0	0.50	0.25	ug/l	J
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	25.1	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%

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

Report of Analysis

Client Sample ID:	775VMW-8-0822		
Lab Sample ID:	FA98452-6	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	775VMW-9-0822		
Lab Sample ID:	FA98452-7	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O70819.D	1	09/01/22 20:38	JL	n/a	n/a	VO2808
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.55	1.0	0.50	0.30	ug/l	J
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	775VMW-9-0822		
Lab Sample ID:	FA98452-7	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	20.5	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%

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

Report of Analysis

Client Sample ID:	775VMW-9-0822		
Lab Sample ID:	FA98452-7	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	775-TB01-0822-C		
Lab Sample ID:	FA98452-8	**Date Sampled:**	08/24/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O70801.D	1	09/01/22 13:09	JL	n/a	n/a	VO2808
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID: 775-TB01-0822-C
Lab Sample ID: FA98452-8
Matrix: AQ - Trip Blank Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/24/22
Date Received: 08/26/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%

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

Report of Analysis

Client Sample ID:	775-TB01-0822-C		
Lab Sample ID:	FA98452-8	**Date Sampled:**	08/24/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	775-EB01-0822-D		
Lab Sample ID:	FA98452-9	**Date Sampled:**	08/24/22
Matrix:	AQ - Equipment Blank	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O70802.D	1	09/01/22 13:34	JL	n/a	n/a	VO2808
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID: 775-EB01-0822-D
Lab Sample ID: FA98452-9
Matrix: AQ - Equipment Blank
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/24/22
Date Received: 08/26/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	3.5	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		83-118%

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

Report of Analysis

Client Sample ID:	775-EB01-0822-D		
Lab Sample ID:	FA98452-9	**Date Sampled:**	08/24/22
Matrix:	AQ - Equipment Blank	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	775VMW-9-0822-A		
Lab Sample ID:	FA98452-10	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O70820.D	1	09/01/22 21:03	JL	n/a	n/a	VO2808
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.57	1.0	0.50	0.30	ug/l	J
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	775VMW-9-0822-A		
Lab Sample ID:	FA98452-10	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	19.8	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%

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

Report of Analysis

Client Sample ID:	775VMW-9-0822-A		
Lab Sample ID:	FA98452-10	**Date Sampled:**	08/24/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

CHAIN-OF-CUSTODY RECORD

Bhate Environmental Associates, Inc.
Frank Gardner
445 Union Boulevard, Suite 129 Lakewood, CO 80228
Please add area code, 720.463.3903, , add e-mail

COC # 10SD0522GWQ3

FA98462

Project Name: Griffiss Air Force Base, BECOS	Laboratory: SGS North America, Inc., Orlando, FL	Event: 2022 Griffiss Petro Q3
Project Number: GRFIS-BECOS	POC: Please insert point of contact, insert laboratory phone number, insert email	
WBS Code:	Ship to:	

Comments:
SW8260D (A) = VOCs Water SGS

Equipment: Grundfos Submersible Pump

Code	Matrix
WG	Ground Water
WQ	Water Quality Control Matrix

Code	Container/Preservative
31	3x 40 mL glass volatile vials, HCl to pH < 2, Cool to 0-6 °C; no headspace

Event: 2022 Griffiss Petro Q3

	Sample ID	Matrix	Date	Time	Samp Init.	Analytical Test Method: SW8260D (A)	Location ID	Sample Type	Depth (ft bgs) Top	Depth (ft bgs) Bottom	Cooler	Comments
						31						
1	775MW-20-0822	WG	8/24/22	1315	NB	X	775MW-20	N1	398.33	408.33	1	
2	775MW-6-0822	WG	8/24/22	1725	BP	X	775MW-6	N1	439.18	449.18	1	
3	775VMW-10-0822	WG	8/24/22	1525	NB	X	775VMW-10	N1	412.14	427.14	1	
4	~~775VMW-20R-0822~~	~~WG~~				~~X~~	~~775VMW-20R~~	~~N1~~	~~403.85~~	~~413.85~~	~~1~~	BP
5	775VMW-4-0822	WG	8/24/22	1940	BP	X	775VMW-4	N1	447.64	457.64	1	
6	775VMW-5-0822	WG	8/24/22	1750	NB	X	775VMW-5	N1	442.94	452.94	1	
7	775VMW-8-0822	WG	8/24/22	1635	NB	X	775VMW-8	N1	439.29	449.29	1	
8	775VMW-9-0822	WG	8/24/22	1525	BP	X	775VMW-9	N1	412.92	427.92	1	
9	775-TBOL-0822-C	WQ	8/24/22	0730	BP	X	FIELDQC	TB2	0.00	0.00	1	
10	775-EBOL-0822-D	WQ	8/24/22	1950	BP	X	FIELDQC	EB2	0.00	0.00	1	
11	775VMW-9-0822-A	WG	8/24/22	1525	BP	X		FD1	0.00	0.00	1	
12	775MW-6-0822-MS	WG	8/24/22	1725	BP	X		MS1	0.00	0.00	1	
13	775MW-6-0822-SD	WG	8/24/22	1725	BP	X		SD1	0.00	0.00	1	

Turnaround Time: NA

INITIAL ASSESSMENT

LABEL VERIFICATION ZB

3.8 CTM

Relinquished by: *(Signature)* N.cholas Burack ECC
Date 08/25/22
Time 5:20
Received by: *(Signature)* Fedex
SD0522GWQ3

Date
Time
Shipping Date:
Received by Laboratory: *(Signature, Date, Time)* & conditio 8/26/22 0900

FA98452: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: FA98452 **Client:** BHATE ENVIRONMENT **Project:** GRIFFISS AIR FORCE BASE, BECOS

Date / Time Received: 8/26/2022 9:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 5700 7353 8301

Therm ID: IR 1; **Therm CF:** 0.6; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (3.8);

Cooler Temps (Corrected) °C: Cooler 1: (4.4);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☑		☐	☐

	W	or	S	N/A
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: CARLOSD Date: 8/26/2022 9:00:00 AM Reviewer: _____ Date: _____

FA98452: Chain of Custody
Page 2 of 2

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98452
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/24/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VO2808	SW846 8260D						
VO2808-BS	67-64-1	Acetone	BSP	REC	103	%	39-160
VO2808-BS	71-43-2	Benzene	BSP	REC	95	%	79-120
VO2808-BS	108-86-1	Bromobenzene	BSP	REC	86	%	80-120
VO2808-BS	74-97-5	Bromochloromethane	BSP	REC	94	%	78-123
VO2808-BS	75-27-4	Bromodichloromethane	BSP	REC	95	%	79-125
VO2808-BS	75-25-2	Bromoform	BSP	REC	87	%	66-130
VO2808-BS	78-93-3	2-Butanone (MEK)	BSP	REC	96	%	56-143
VO2808-BS	104-51-8	n-Butylbenzene	BSP	REC	88	%	75-128
VO2808-BS	135-98-8	sec-Butylbenzene	BSP	REC	99	%	77-126
VO2808-BS	98-06-6	tert-Butylbenzene	BSP	REC	93	%	78-124
VO2808-BS	75-15-0	Carbon Disulfide	BSP	REC	92	%	64-133
VO2808-BS	56-23-5	Carbon Tetrachloride	BSP	REC	103	%	72-136
VO2808-BS	108-90-7	Chlorobenzene	BSP	REC	90	%	82-118
VO2808-BS	75-00-3	Chloroethane	BSP	REC	104	%	60-138
VO2808-BS	67-66-3	Chloroform	BSP	REC	94	%	79-124
VO2808-BS	95-49-8	o-Chlorotoluene	BSP	REC	90	%	79-122
VO2808-BS	106-43-4	p-Chlorotoluene	BSP	REC	90	%	78-122
VO2808-BS	124-48-1	Dibromochloromethane	BSP	REC	85	%	74-126
VO2808-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	74	%	62-128
VO2808-BS	106-93-4	1,2-Dibromoethane	BSP	REC	87	%	77-121
VO2808-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	125	%	32-152
VO2808-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	88	%	80-119
VO2808-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	90	%	80-119
VO2808-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	94	%	79-118
VO2808-BS	75-34-3	1,1-Dichloroethane	BSP	REC	103	%	77-125
VO2808-BS	107-06-2	1,2-Dichloroethane	BSP	REC	93	%	73-128
VO2808-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	108	%	71-131
VO2808-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	102	%	78-123
VO2808-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	98	%	75-124
VO2808-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	100	%	79-121
VO2808-BS	78-87-5	1,2-Dichloropropane	BSP	REC	91	%	78-122
VO2808-BS	142-28-9	1,3-Dichloropropane	BSP	REC	80	%	80-119
VO2808-BS	594-20-7	2,2-Dichloropropane	BSP	REC	91	%	60-139
VO2808-BS	563-58-6	1,1-Dichloropropene	BSP	REC	100	%	79-125
VO2808-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	91	%	75-124
VO2808-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	98	%	73-127
VO2808-BS	100-41-4	Ethylbenzene	BSP	REC	91	%	79-121
VO2808-BS	87-68-3	Hexachlorobutadiene	BSP	REC	98	%	66-134
VO2808-BS	591-78-6	2-Hexanone	BSP	REC	92	%	57-139
VO2808-BS	98-82-8	Isopropylbenzene	BSP	REC	96	%	72-131
VO2808-BS	99-87-6	p-Isopropyltoluene	BSP	REC	98	%	77-127
VO2808-BS	74-83-9	Methyl Bromide	BSP	REC	84	%	53-141

* Sample used for QC is not from job FA98452

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98452
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/24/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VO2808-BS	74-87-3	Methyl Chloride	BSP	REC	106	%	50-139
VO2808-BS	74-95-3	Methylene Bromide	BSP	REC	90	%	79-123
VO2808-BS	75-09-2	Methylene Chloride	BSP	REC	103	%	74-124
VO2808-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	88	%	67-130
VO2808-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	109	%	71-124
VO2808-BS	91-20-3	Naphthalene	BSP	REC	87	%	61-128
VO2808-BS	103-65-1	n-Propylbenzene	BSP	REC	92	%	76-126
VO2808-BS	100-42-5	Styrene	BSP	REC	93	%	78-123
VO2808-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	91	%	78-124
VO2808-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	86	%	71-121
VO2808-BS	127-18-4	Tetrachloroethylene	BSP	REC	96	%	74-129
VO2808-BS	108-88-3	Toluene	BSP	REC	90	%	80-121
VO2808-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	85	%	69-129
VO2808-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	86	%	69-130
VO2808-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	103	%	74-131
VO2808-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	88	%	80-119
VO2808-BS	79-01-6	Trichloroethylene	BSP	REC	103	%	79-123
VO2808-BS	75-69-4	Trichlorofluoromethane	BSP	REC	104	%	65-141
VO2808-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	84	%	73-122
VO2808-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	92	%	76-124
VO2808-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	90	%	75-124
VO2808-BS	108-05-4	Vinyl Acetate	BSP	REC	95	%	54-146
VO2808-BS	75-01-4	Vinyl Chloride	BSP	REC	108	%	58-137
VO2808-BS		m,p-Xylene	BSP	REC	92	%	80-121
VO2808-BS	95-47-6	o-Xylene	BSP	REC	92	%	78-122
VO2808-BS	1330-20-7	Xylene (total)	BSP	REC	92	%	79-121
VO2808-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	99	%	80-119
VO2808-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	99	%	81-118
VO2808-BS	2037-26-5	Toluene-D8	BSP	SURR	96	%	89-112
VO2808-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	99	%	85-114
FA98452-2MS	67-64-1	Acetone	MS	REC	96	%	39-160
FA98452-2MS	71-43-2	Benzene	MS	REC	91	%	79-120
FA98452-2MS	108-86-1	Bromobenzene	MS	REC	78	%	80-120
FA98452-2MS	74-97-5	Bromochloromethane	MS	REC	94	%	78-123
FA98452-2MS	75-27-4	Bromodichloromethane	MS	REC	89	%	79-125
FA98452-2MS	75-25-2	Bromoform	MS	REC	77	%	66-130
FA98452-2MS	78-93-3	2-Butanone (MEK)	MS	REC	89	%	56-143
FA98452-2MS	104-51-8	n-Butylbenzene	MS	REC	75	%	75-128
FA98452-2MS	135-98-8	sec-Butylbenzene	MS	REC	91	%	77-126
FA98452-2MS	98-06-6	tert-Butylbenzene	MS	REC	83	%	78-124
FA98452-2MS	75-15-0	Carbon Disulfide	MS	REC	81	%	64-133
FA98452-2MS	56-23-5	Carbon Tetrachloride	MS	REC	93	%	72-136
FA98452-2MS	108-90-7	Chlorobenzene	MS	REC	86	%	82-118
FA98452-2MS	75-00-3	Chloroethane	MS	REC	104	%	60-138
FA98452-2MS	67-66-3	Chloroform	MS	REC	90	%	79-124

* Sample used for QC is not from job FA98452

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98452
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/24/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98452-2MS	95-49-8	o-Chlorotoluene	MS	REC	82	%	79-122
FA98452-2MS	106-43-4	p-Chlorotoluene	MS	REC	82	%	78-122
FA98452-2MS	124-48-1	Dibromochloromethane	MS	REC	77	%	74-126
FA98452-2MS	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	68	%	62-128
FA98452-2MS	106-93-4	1,2-Dibromoethane	MS	REC	81	%	77-121
FA98452-2MS	75-71-8	Dichlorodifluoromethane	MS	REC	116	%	32-152
FA98452-2MS	95-50-1	1,2-Dichlorobenzene	MS	REC	82	%	80-119
FA98452-2MS	541-73-1	1,3-Dichlorobenzene	MS	REC	84	%	80-119
FA98452-2MS	106-46-7	1,4-Dichlorobenzene	MS	REC	88	%	79-118
FA98452-2MS	75-34-3	1,1-Dichloroethane	MS	REC	100	%	77-125
FA98452-2MS	107-06-2	1,2-Dichloroethane	MS	REC	89	%	73-128
FA98452-2MS	75-35-4	1,1-Dichloroethylene	MS	REC	100	%	71-131
FA98452-2MS	156-59-2	cis-1,2-Dichloroethylene	MS	REC	96	%	78-123
FA98452-2MS	156-60-5	trans-1,2-Dichloroethylene	MS	REC	92	%	75-124
FA98452-2MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	94	%	79-121
FA98452-2MS	78-87-5	1,2-Dichloropropane	MS	REC	86	%	78-122
FA98452-2MS	142-28-9	1,3-Dichloropropane	MS	REC	75	%	80-119
FA98452-2MS	594-20-7	2,2-Dichloropropane	MS	REC	74	%	60-139
FA98452-2MS	563-58-6	1,1-Dichloropropene	MS	REC	95	%	79-125
FA98452-2MS	10061-01-5	cis-1,3-Dichloropropene	MS	REC	76	%	75-124
FA98452-2MS	10061-02-6	trans-1,3-Dichloropropene	MS	REC	83	%	73-127
FA98452-2MS	100-41-4	Ethylbenzene	MS	REC	86	%	79-121
FA98452-2MS	87-68-3	Hexachlorobutadiene	MS	REC	80	%	66-134
FA98452-2MS	591-78-6	2-Hexanone	MS	REC	86	%	57-139
FA98452-2MS	98-82-8	Isopropylbenzene	MS	REC	87	%	72-131
FA98452-2MS	99-87-6	p-Isopropyltoluene	MS	REC	88	%	77-127
FA98452-2MS	74-83-9	Methyl Bromide	MS	REC	58	%	53-141
FA98452-2MS	74-87-3	Methyl Chloride	MS	REC	104	%	50-139
FA98452-2MS	74-95-3	Methylene Bromide	MS	REC	88	%	79-123
FA98452-2MS	75-09-2	Methylene Chloride	MS	REC	95	%	74-124
FA98452-2MS	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	83	%	67-130
FA98452-2MS	1634-04-4	Methyl Tert Butyl Ether	MS	REC	100	%	71-124
FA98452-2MS	91-20-3	Naphthalene	MS	REC	76	%	61-128
FA98452-2MS	103-65-1	n-Propylbenzene	MS	REC	84	%	76-126
FA98452-2MS	100-42-5	Styrene	MS	REC	86	%	78-123
FA98452-2MS	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	85	%	78-124
FA98452-2MS	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	81	%	71-121
FA98452-2MS	127-18-4	Tetrachloroethylene	MS	REC	90	%	74-129
FA98452-2MS	108-88-3	Toluene	MS	REC	85	%	80-121
FA98452-2MS	87-61-6	1,2,3-Trichlorobenzene	MS	REC	76	%	69-129
FA98452-2MS	120-82-1	1,2,4-Trichlorobenzene	MS	REC	75	%	69-130
FA98452-2MS	71-55-6	1,1,1-Trichloroethane	MS	REC	97	%	74-131
FA98452-2MS	79-00-5	1,1,2-Trichloroethane	MS	REC	86	%	80-119
FA98452-2MS	79-01-6	Trichloroethylene	MS	REC	101	%	79-123
FA98452-2MS	75-69-4	Trichlorofluoromethane	MS	REC	100	%	65-141

* Sample used for QC is not from job FA98452

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98452
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/24/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98452-2MS	96-18-4	1,2,3-Trichloropropane	MS	REC	77	%	73-122
FA98452-2MS	95-63-6	1,2,4-Trimethylbenzene	MS	REC	85	%	76-124
FA98452-2MS	108-67-8	1,3,5-Trimethylbenzene	MS	REC	82	%	75-124
FA98452-2MS	108-05-4	Vinyl Acetate	MS	REC	81	%	54-146
FA98452-2MS	75-01-4	Vinyl Chloride	MS	REC	103	%	58-137
FA98452-2MS		m,p-Xylene	MS	REC	85	%	80-121
FA98452-2MS	95-47-6	o-Xylene	MS	REC	84	%	78-122
FA98452-2MS	1330-20-7	Xylene (total)	MS	REC	85	%	79-121
FA98452-2MS	1868-53-7	Dibromofluoromethane	MS	SURR	100	%	80-119
FA98452-2MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	99	%	81-118
FA98452-2MS	2037-26-5	Toluene-D8	MS	SURR	94	%	89-112
FA98452-2MS	460-00-4	4-Bromofluorobenzene	MS	SURR	96	%	85-114
FA98452-2MSD	67-64-1	Acetone	MSD	REC	95	%	39-160
FA98452-2MSD	67-64-1	Acetone	MSD	RPD	1	%	20
FA98452-2MSD	71-43-2	Benzene	MSD	REC	92	%	79-120
FA98452-2MSD	71-43-2	Benzene	MSD	RPD	1	%	20
FA98452-2MSD	108-86-1	Bromobenzene	MSD	REC	82	%	80-120
FA98452-2MSD	108-86-1	Bromobenzene	MSD	RPD	4	%	20
FA98452-2MSD	74-97-5	Bromochloromethane	MSD	REC	94	%	78-123
FA98452-2MSD	74-97-5	Bromochloromethane	MSD	RPD	0	%	20
FA98452-2MSD	75-27-4	Bromodichloromethane	MSD	REC	89	%	79-125
FA98452-2MSD	75-27-4	Bromodichloromethane	MSD	RPD	0	%	20
FA98452-2MSD	75-25-2	Bromoform	MSD	REC	81	%	66-130
FA98452-2MSD	75-25-2	Bromoform	MSD	RPD	5	%	20
FA98452-2MSD	78-93-3	2-Butanone (MEK)	MSD	REC	87	%	56-143
FA98452-2MSD	78-93-3	2-Butanone (MEK)	MSD	RPD	2	%	20
FA98452-2MSD	104-51-8	n-Butylbenzene	MSD	REC	77	%	75-128
FA98452-2MSD	104-51-8	n-Butylbenzene	MSD	RPD	3	%	20
FA98452-2MSD	135-98-8	sec-Butylbenzene	MSD	REC	91	%	77-126
FA98452-2MSD	135-98-8	sec-Butylbenzene	MSD	RPD	0	%	20
FA98452-2MSD	98-06-6	tert-Butylbenzene	MSD	REC	85	%	78-124
FA98452-2MSD	98-06-6	tert-Butylbenzene	MSD	RPD	2	%	20
FA98452-2MSD	75-15-0	Carbon Disulfide	MSD	REC	84	%	64-133
FA98452-2MSD	75-15-0	Carbon Disulfide	MSD	RPD	3	%	20
FA98452-2MSD	56-23-5	Carbon Tetrachloride	MSD	REC	95	%	72-136
FA98452-2MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	2	%	20
FA98452-2MSD	108-90-7	Chlorobenzene	MSD	REC	87	%	82-118
FA98452-2MSD	108-90-7	Chlorobenzene	MSD	RPD	1	%	20
FA98452-2MSD	75-00-3	Chloroethane	MSD	REC	114	%	60-138
FA98452-2MSD	75-00-3	Chloroethane	MSD	RPD	9	%	20
FA98452-2MSD	67-66-3	Chloroform	MSD	REC	91	%	79-124
FA98452-2MSD	67-66-3	Chloroform	MSD	RPD	1	%	20
FA98452-2MSD	95-49-8	o-Chlorotoluene	MSD	REC	84	%	79-122
FA98452-2MSD	95-49-8	o-Chlorotoluene	MSD	RPD	2	%	20
FA98452-2MSD	106-43-4	p-Chlorotoluene	MSD	REC	84	%	78-122

* Sample used for QC is not from job FA98452

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98452
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/24/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98452-2MSD	106-43-4	p-Chlorotoluene	MSD	RPD	2	%	20
FA98452-2MSD	124-48-1	Dibromochloromethane	MSD	REC	80	%	74-126
FA98452-2MSD	124-48-1	Dibromochloromethane	MSD	RPD	4	%	20
FA98452-2MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	68	%	62-128
FA98452-2MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	1	%	20
FA98452-2MSD	106-93-4	1,2-Dibromoethane	MSD	REC	82	%	77-121
FA98452-2MSD	106-93-4	1,2-Dibromoethane	MSD	RPD	1	%	20
FA98452-2MSD	75-71-8	Dichlorodifluoromethane	MSD	REC	123	%	32-152
FA98452-2MSD	75-71-8	Dichlorodifluoromethane	MSD	RPD	6	%	20
FA98452-2MSD	95-50-1	1,2-Dichlorobenzene	MSD	REC	84	%	80-119
FA98452-2MSD	95-50-1	1,2-Dichlorobenzene	MSD	RPD	3	%	20
FA98452-2MSD	541-73-1	1,3-Dichlorobenzene	MSD	REC	86	%	80-119
FA98452-2MSD	541-73-1	1,3-Dichlorobenzene	MSD	RPD	3	%	20
FA98452-2MSD	106-46-7	1,4-Dichlorobenzene	MSD	REC	90	%	79-118
FA98452-2MSD	106-46-7	1,4-Dichlorobenzene	MSD	RPD	2	%	20
FA98452-2MSD	75-34-3	1,1-Dichloroethane	MSD	REC	101	%	77-125
FA98452-2MSD	75-34-3	1,1-Dichloroethane	MSD	RPD	1	%	20
FA98452-2MSD	107-06-2	1,2-Dichloroethane	MSD	REC	91	%	73-128
FA98452-2MSD	107-06-2	1,2-Dichloroethane	MSD	RPD	2	%	20
FA98452-2MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	100	%	71-131
FA98452-2MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	0	%	20
FA98452-2MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	98	%	78-123
FA98452-2MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	2	%	20
FA98452-2MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	95	%	75-124
FA98452-2MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	3	%	20
FA98452-2MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	96	%	79-121
FA98452-2MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	2	%	20
FA98452-2MSD	78-87-5	1,2-Dichloropropane	MSD	REC	88	%	78-122
FA98452-2MSD	78-87-5	1,2-Dichloropropane	MSD	RPD	2	%	20
FA98452-2MSD	142-28-9	1,3-Dichloropropane	MSD	REC	78	%	80-119
FA98452-2MSD	142-28-9	1,3-Dichloropropane	MSD	RPD	4	%	20
FA98452-2MSD	594-20-7	2,2-Dichloropropane	MSD	REC	74	%	60-139
FA98452-2MSD	594-20-7	2,2-Dichloropropane	MSD	RPD	1	%	20
FA98452-2MSD	563-58-6	1,1-Dichloropropene	MSD	REC	93	%	79-125
FA98452-2MSD	563-58-6	1,1-Dichloropropene	MSD	RPD	2	%	20
FA98452-2MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	78	%	75-124
FA98452-2MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	2	%	20
FA98452-2MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	88	%	73-127
FA98452-2MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	6	%	20
FA98452-2MSD	100-41-4	Ethylbenzene	MSD	REC	87	%	79-121
FA98452-2MSD	100-41-4	Ethylbenzene	MSD	RPD	1	%	20
FA98452-2MSD	87-68-3	Hexachlorobutadiene	MSD	REC	84	%	66-134
FA98452-2MSD	87-68-3	Hexachlorobutadiene	MSD	RPD	4	%	20
FA98452-2MSD	591-78-6	2-Hexanone	MSD	REC	86	%	57-139
FA98452-2MSD	591-78-6	2-Hexanone	MSD	RPD	0	%	20

* Sample used for QC is not from job FA98452

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98452
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/24/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98452-2MSD	98-82-8	Isopropylbenzene	MSD	REC	88	%	72-131
FA98452-2MSD	98-82-8	Isopropylbenzene	MSD	RPD	1	%	20
FA98452-2MSD	99-87-6	p-Isopropyltoluene	MSD	REC	88	%	77-127
FA98452-2MSD	99-87-6	p-Isopropyltoluene	MSD	RPD	1	%	20
FA98452-2MSD	74-83-9	Methyl Bromide	MSD	REC	70	%	53-141
FA98452-2MSD	74-83-9	Methyl Bromide	MSD	RPD	19	%	20
FA98452-2MSD	74-87-3	Methyl Chloride	MSD	REC	112	%	50-139
FA98452-2MSD	74-87-3	Methyl Chloride	MSD	RPD	8	%	20
FA98452-2MSD	74-95-3	Methylene Bromide	MSD	REC	87	%	79-123
FA98452-2MSD	74-95-3	Methylene Bromide	MSD	RPD	0	%	20
FA98452-2MSD	75-09-2	Methylene Chloride	MSD	REC	97	%	74-124
FA98452-2MSD	75-09-2	Methylene Chloride	MSD	RPD	2	%	20
FA98452-2MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	83	%	67-130
FA98452-2MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	0	%	20
FA98452-2MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	104	%	71-124
FA98452-2MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	4	%	20
FA98452-2MSD	91-20-3	Naphthalene	MSD	REC	80	%	61-128
FA98452-2MSD	91-20-3	Naphthalene	MSD	RPD	5	%	20
FA98452-2MSD	103-65-1	n-Propylbenzene	MSD	REC	86	%	76-126
FA98452-2MSD	103-65-1	n-Propylbenzene	MSD	RPD	1	%	20
FA98452-2MSD	100-42-5	Styrene	MSD	REC	88	%	78-123
FA98452-2MSD	100-42-5	Styrene	MSD	RPD	3	%	20
FA98452-2MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	87	%	78-124
FA98452-2MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	2	%	20
FA98452-2MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	84	%	71-121
FA98452-2MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	4	%	20
FA98452-2MSD	127-18-4	Tetrachloroethylene	MSD	REC	89	%	74-129
FA98452-2MSD	127-18-4	Tetrachloroethylene	MSD	RPD	0	%	20
FA98452-2MSD	108-88-3	Toluene	MSD	REC	88	%	80-121
FA98452-2MSD	108-88-3	Toluene	MSD	RPD	3	%	20
FA98452-2MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	79	%	69-129
FA98452-2MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	4	%	20
FA98452-2MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	79	%	69-130
FA98452-2MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	6	%	20
FA98452-2MSD	71-55-6	1,1,1-Trichloroethane	MSD	REC	98	%	74-131
FA98452-2MSD	71-55-6	1,1,1-Trichloroethane	MSD	RPD	1	%	20
FA98452-2MSD	79-00-5	1,1,2-Trichloroethane	MSD	REC	88	%	80-119
FA98452-2MSD	79-00-5	1,1,2-Trichloroethane	MSD	RPD	3	%	20
FA98452-2MSD	79-01-6	Trichloroethylene	MSD	REC	103	%	79-123
FA98452-2MSD	79-01-6	Trichloroethylene	MSD	RPD	1	%	20
FA98452-2MSD	75-69-4	Trichlorofluoromethane	MSD	REC	103	%	65-141
FA98452-2MSD	75-69-4	Trichlorofluoromethane	MSD	RPD	3	%	20
FA98452-2MSD	96-18-4	1,2,3-Trichloropropane	MSD	REC	79	%	73-122
FA98452-2MSD	96-18-4	1,2,3-Trichloropropane	MSD	RPD	3	%	20
FA98452-2MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	86	%	76-124

* Sample used for QC is not from job FA98452

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98452
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/24/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98452-2MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	1	%	20
FA98452-2MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	84	%	75-124
FA98452-2MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	2	%	20
FA98452-2MSD	108-05-4	Vinyl Acetate	MSD	REC	81	%	54-146
FA98452-2MSD	108-05-4	Vinyl Acetate	MSD	RPD	0	%	20
FA98452-2MSD	75-01-4	Vinyl Chloride	MSD	REC	111	%	58-137
FA98452-2MSD	75-01-4	Vinyl Chloride	MSD	RPD	7	%	20
FA98452-2MSD		m,p-Xylene	MSD	REC	87	%	80-121
FA98452-2MSD		m,p-Xylene	MSD	RPD	2	%	20
FA98452-2MSD	95-47-6	o-Xylene	MSD	REC	86	%	78-122
FA98452-2MSD	95-47-6	o-Xylene	MSD	RPD	2	%	20
FA98452-2MSD	1330-20-7	Xylene (total)	MSD	REC	87	%	79-121
FA98452-2MSD	1330-20-7	Xylene (total)	MSD	RPD	2	%	20
FA98452-2MSD	1868-53-7	Dibromofluoromethane	MSD	SURR	99	%	80-119
FA98452-2MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	96	%	81-118
FA98452-2MSD	2037-26-5	Toluene-D8	MSD	SURR	96	%	89-112
FA98452-2MSD	460-00-4	4-Bromofluorobenzene	MSD	SURR	98	%	85-114
VO2808-MB	1868-53-7	Dibromofluoromethane	MB	SURR	94	%	80-119
VO2808-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	97	%	81-118
VO2808-MB	2037-26-5	Toluene-D8	MB	SURR	99	%	89-112
VO2808-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	99	%	85-114
FA98452-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	95	%	80-119
FA98452-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	98	%	81-118
FA98452-1	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98452-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FA98452-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	96	%	80-119
FA98452-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA98452-2	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA98452-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FA98452-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	96	%	80-119
FA98452-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FA98452-3	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98452-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
FA98452-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	95	%	80-119
FA98452-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA98452-4	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98452-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FA98452-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	95	%	80-119
FA98452-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA98452-5	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98452-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FA98452-6	1868-53-7	Dibromofluoromethane	SAMP	SURR	96	%	80-119
FA98452-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FA98452-6	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA98452-6	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114

* Sample used for QC is not from job FA98452

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98452
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/24/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98452-7	1868-53-7	Dibromofluoromethane	SAMP	SURR	95	%	80-119
FA98452-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
FA98452-7	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA98452-7	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FA98452-8	1868-53-7	Dibromofluoromethane	SAMP	SURR	95	%	80-119
FA98452-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA98452-8	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA98452-8	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FA98452-9	1868-53-7	Dibromofluoromethane	SAMP	SURR	94	%	80-119
FA98452-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
FA98452-9	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98452-9	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FA98452-10	1868-53-7	Dibromofluoromethane	SAMP	SURR	95	%	80-119
FA98452-10	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	98	%	81-118
FA98452-10	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98452-10	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
VO2809	SW846 8260D						
VO2809-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	98	%	80-119
VO2809-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	98	%	81-118
VO2809-BS	2037-26-5	Toluene-D8	BSP	SURR	96	%	89-112
VO2809-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	98	%	85-114
FA98394-2MS*	1868-53-7	Dibromofluoromethane	MS	SURR	99	%	80-119
FA98394-2MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	97	%	81-118
FA98394-2MS*	2037-26-5	Toluene-D8	MS	SURR	96	%	89-112
FA98394-2MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	97	%	85-114
FA98394-2MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	98	%	80-119
FA98394-2MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	95	%	81-118
FA98394-2MSD*	2037-26-5	Toluene-D8	MSD	SURR	97	%	89-112
FA98394-2MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	96	%	85-114
VO2809-MB	1868-53-7	Dibromofluoromethane	MB	SURR	96	%	80-119
VO2809-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	101	%	81-118
VO2809-MB	2037-26-5	Toluene-D8	MB	SURR	97	%	89-112
VO2809-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	100	%	85-114
FA98452-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	96	%	80-119
FA98452-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	98	%	81-118
FA98452-2	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98452-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FA98452-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
FA98452-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA98452-4	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA98452-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114

* Sample used for QC is not from job FA98452

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2808-MB	O70800.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98452-1, FA98452-2, FA98452-3, FA98452-4, FA98452-5, FA98452-6, FA98452-7, FA98452-8, FA98452-9, FA98452-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2808-MB	O70800.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98452-1, FA98452-2, FA98452-3, FA98452-4, FA98452-5, FA98452-6, FA98452-7, FA98452-8, FA98452-9, FA98452-10

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2808-MB	O70800.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98452-1, FA98452-2, FA98452-3, FA98452-4, FA98452-5, FA98452-6, FA98452-7, FA98452-8, FA98452-9, FA98452-10

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

Method Blank Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2809-MB	O70829.D	1	09/02/22	JL	n/a	n/a	VO2809

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98452-2, FA98452-4

CAS No.	Compound	Result	RL	MDL	Units	Q

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

Blank Spike Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2808-BS	O70798.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98452-1, FA98452-2, FA98452-3, FA98452-4, FA98452-5, FA98452-6, FA98452-7, FA98452-8, FA98452-9, FA98452-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	129	103	50-147
71-43-2	Benzene	25	23.7	95	81-122
108-86-1	Bromobenzene	25	21.4	86	80-121
74-97-5	Bromochloromethane	25	23.6	94	76-123
75-27-4	Bromodichloromethane	25	23.8	95	79-123
75-25-2	Bromoform	25	21.7	87	66-123
78-93-3	2-Butanone (MEK)	125	120	96	56-143
104-51-8	n-Butylbenzene	25	22.1	88	79-126
135-98-8	sec-Butylbenzene	25	24.8	99	83-133
98-06-6	tert-Butylbenzene	25	23.2	93	80-133
75-15-0	Carbon Disulfide	25	23.0	92	66-148
56-23-5	Carbon Tetrachloride	25	25.8	103	76-136
108-90-7	Chlorobenzene	25	22.5	90	82-124
75-00-3	Chloroethane	25	25.9	104	62-144
67-66-3	Chloroform	25	23.5	94	80-124
95-49-8	o-Chlorotoluene	25	22.6	90	81-127
106-43-4	p-Chlorotoluene	25	22.6	90	83-130
124-48-1	Dibromochloromethane	25	21.3	85	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	18.6	74	64-123
106-93-4	1,2-Dibromoethane	25	21.7	87	75-120
75-71-8	Dichlorodifluoromethane	25	31.3	125	42-167
95-50-1	1,2-Dichlorobenzene	25	22.1	88	82-124
541-73-1	1,3-Dichlorobenzene	25	22.6	90	84-125
106-46-7	1,4-Dichlorobenzene	25	23.5	94	78-120
75-34-3	1,1-Dichloroethane	25	25.8	103	81-122
107-06-2	1,2-Dichloroethane	25	23.3	93	75-125
75-35-4	1,1-Dichloroethylene	25	27.0	108	78-137
156-59-2	cis-1,2-Dichloroethylene	25	25.4	102	78-120
156-60-5	trans-1,2-Dichloroethylene	25	24.5	98	76-127
540-59-0	1,2-Dichloroethene (total)	50	50.0	100	77-122
78-87-5	1,2-Dichloropropane	25	22.7	91	76-124
142-28-9	1,3-Dichloropropane	25	20.1	80	80-118
594-20-7	2,2-Dichloropropane	25	22.8	91	74-139
563-58-6	1,1-Dichloropropene	25	24.9	100	79-131
10061-01-5	cis-1,3-Dichloropropene	25	22.8	91	75-118
10061-02-6	trans-1,3-Dichloropropene	25	24.5	98	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2808-BS	O70798.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98452-1, FA98452-2, FA98452-3, FA98452-4, FA98452-5, FA98452-6, FA98452-7, FA98452-8, FA98452-9, FA98452-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	22.7	91	81-121
87-68-3	Hexachlorobutadiene	25	24.4	98	75-142
591-78-6	2-Hexanone	125	115	92	61-129
98-82-8	Isopropylbenzene	25	23.9	96	83-132
99-87-6	p-Isopropyltoluene	25	24.5	98	79-130
74-83-9	Methyl Bromide	25	20.9	84	59-143
74-87-3	Methyl Chloride	25	26.4	106	50-159
74-95-3	Methylene Bromide	25	22.5	90	78-119
75-09-2	Methylene Chloride	25	25.7	103	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	110	88	66-122
1634-04-4	Methyl Tert Butyl Ether	25	27.3	109	72-117
91-20-3	Naphthalene	25	21.7	87	63-132
103-65-1	n-Propylbenzene	25	23.1	92	82-133
100-42-5	Styrene	25	23.3	93	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	22.8	91	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	21.6	86	72-120
127-18-4	Tetrachloroethylene	25	23.9	96	76-135
108-88-3	Toluene	25	22.5	90	80-120
87-61-6	1,2,3-Trichlorobenzene	25	21.3	85	68-131
120-82-1	1,2,4-Trichlorobenzene	25	21.5	86	73-129
71-55-6	1,1,1-Trichloroethane	25	25.7	103	75-130
79-00-5	1,1,2-Trichloroethane	25	22.1	88	76-119
79-01-6	Trichloroethylene	25	25.8	103	81-126
75-69-4	Trichlorofluoromethane	25	25.9	104	71-156
96-18-4	1,2,3-Trichloropropane	25	21.0	84	77-120
95-63-6	1,2,4-Trimethylbenzene	25	22.9	92	79-120
108-67-8	1,3,5-Trimethylbenzene	25	22.5	90	79-120
108-05-4	Vinyl Acetate	125	119	95	43-154
75-01-4	Vinyl Chloride	25	27.0	108	69-159
	m,p-Xylene	50	45.9	92	79-126
95-47-6	o-Xylene	25	23.0	92	80-127
1330-20-7	Xylene (total)	75	68.9	92	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2808-BS	O70798.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98452-1, FA98452-2, FA98452-3, FA98452-4, FA98452-5, FA98452-6, FA98452-7, FA98452-8, FA98452-9, FA98452-10

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2809-BS	O70827.D	1	09/02/22	JL	n/a	n/a	VO2809

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98452-2, FA98452-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98452-2MS	O70821.D	1	09/01/22	JL	n/a	n/a	VO2808
FA98452-2MSD	O70822.D	1	09/01/22	JL	n/a	n/a	VO2808
FA98452-2	O70814.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98452-1, FA98452-2, FA98452-3, FA98452-4, FA98452-5, FA98452-6, FA98452-7, FA98452-8, FA98452-9, FA98452-10

CAS No.	Compound	FA98452-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	120	96	125	119	95	1	50-147/21
71-43-2	Benzene	1.0 U		25	22.8	91	25	23.0	92	1	81-122/14
108-86-1	Bromobenzene	1.0 U		25	19.6	78*	25	20.5	82	4	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	23.5	94	25	23.5	94	0	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	22.2	89	25	22.3	89	0	79-123/19
75-25-2	Bromoform	1.0 U		25	19.3	77	25	20.3	81	5	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	111	89	125	109	87	2	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	18.7	75*	25	19.2	77*	3	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	22.7	91	25	22.8	91	0	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	20.8	83	25	21.2	85	2	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	20.2	81	25	20.9	84	3	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	23.3	93	25	23.7	95	2	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	21.4	86	25	21.7	87	1	82-124/14
75-00-3	Chloroethane	2.0 U		25	25.9	104	25	28.4	114	9	62-144/20
67-66-3	Chloroform	0.36	J	25	22.8	90	25	23.1	91	1	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	20.6	82	25	21.1	84	2	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	20.6	82*	25	21.1	84	2	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	19.2	77*	25	20.0	80	4	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	16.9	68	25	17.0	68	1	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	20.2	81	25	20.5	82	1	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	28.9	116	25	30.8	123	6	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	20.5	82	25	21.1	84	3	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	21.0	84	25	21.6	86	3	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	21.9	88	25	22.4	90	2	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	24.9	100	25	25.2	101	1	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	22.3	89	25	22.7	91	2	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	25.1	100	25	25.0	100	0	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	24.0	96	25	24.5	98	2	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	23.1	92	25	23.7	95	3	76-127/17
540-59-0	1,2-Dichloroethene (total)	2.0 U		50	47.2	94	50	48.2	96	2	77-122/15
78-87-5	1,2-Dichloropropane	1.0 U		25	21.6	86	25	22.0	88	2	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	18.8	75*	25	19.5	78*	4	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	18.5	74	25	18.6	74	1	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	23.7	95	25	23.3	93	2	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	19.1	76	25	19.5	78	2	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	20.8	83	25	22.0	88	6	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98452-2MS	O70821.D	1	09/01/22	JL	n/a	n/a	VO2808
FA98452-2MSD	O70822.D	1	09/01/22	JL	n/a	n/a	VO2808
FA98452-2	O70814.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98452-1, FA98452-2, FA98452-3, FA98452-4, FA98452-5, FA98452-6, FA98452-7, FA98452-8, FA98452-9, FA98452-10

CAS No.	Compound	FA98452-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	1.0 U		25	21.4	86	25	21.7	87	1	81-121/14
87-68-3	Hexachlorobutadiene	2.0 U		25	20.1	80	25	20.9	84	4	75-142/19
591-78-6	2-Hexanone	10 U		125	108	86	125	108	86	0	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	21.8	87	25	22.1	88	1	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	21.9	88	25	22.1	88	1	79-130/16
74-83-9	Methyl Bromide	5.0 U		25	14.6	58*	25	17.6	70	19	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	26.0	104	25	28.1	112	8	50-159/19
74-95-3	Methylene Bromide	2.0 U		25	21.9	88	25	21.8	87	0	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	23.7	95	25	24.2	97	2	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	104	83	125	104	83	0	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	25.0	100	25	25.9	104	4	72-117/14
91-20-3	Naphthalene	5.0 U		25	18.9	76	25	19.9	80	5	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	21.1	84	25	21.4	86	1	82-133/15
100-42-5	Styrene	1.0 U		25	21.5	86	25	22.1	88	3	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	21.3	85	25	21.8	87	2	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	20.2	81	25	21.1	84	4	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	22.4	90	25	22.3	89	0	76-135/16
108-88-3	Toluene	1.0 U		25	21.3	85	25	21.9	88	3	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	19.0	76	25	19.7	79	4	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	18.7	75	25	19.8	79	6	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	24.2	97	25	24.5	98	1	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	21.4	86	25	22.0	88	3	76-119/14
79-01-6	Trichloroethylene	26.0		25	51.2	101	25	51.8	103	1	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	24.9	100	25	25.7	103	3	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	19.2	77	25	19.7	79	3	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	21.2	85	25	21.4	86	1	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	20.5	82	25	20.9	84	2	79-120/19
108-05-4	Vinyl Acetate	10 U		125	101	81	125	101	81	0	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	25.8	103	25	27.8	111	7	69-159/18
	m,p-Xylene	2.0 U		50	42.5	85	50	43.3	87	2	79-126/15
95-47-6	o-Xylene	1.0 U		25	21.1	84	25	21.6	86	2	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	63.6	85	75	64.9	87	2	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98452-2MS	O70821.D	1	09/01/22	JL	n/a	n/a	VO2808
FA98452-2MSD	O70822.D	1	09/01/22	JL	n/a	n/a	VO2808
FA98452-2	O70814.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98452-1, FA98452-2, FA98452-3, FA98452-4, FA98452-5, FA98452-6, FA98452-7, FA98452-8, FA98452-9, FA98452-10

CAS No.	Surrogate Recoveries	MS	MSD	FA98452-2	Limits
1868-53-7	Dibromofluoromethane	100%	99%	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	96%	100%	79-125%
2037-26-5	Toluene-D8	94%	96%	97%	85-112%
460-00-4	4-Bromofluorobenzene	96%	98%	100%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98394-2MS	O70848.D	10	09/02/22	JL	n/a	n/a	VO2809
FA98394-2MSD	O70849.D	10	09/02/22	JL	n/a	n/a	VO2809
FA98394-2	O70845.D	10	09/02/22	JL	n/a	n/a	VO2809

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98452-2, FA98452-4

CAS No.	Compound	FA98394-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD

CAS No.	Surrogate Recoveries	MS	MSD	FA98394-2	Limits
1868-53-7	Dibromofluoromethane	99%	98%	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	95%	100%	79-125%
2037-26-5	Toluene-D8	96%	97%	98%	85-112%
460-00-4	4-Bromofluorobenzene	97%	96%	99%	83-118%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample:	VO2796-BFB	**Injection Date:**	08/23/22
Lab File ID:	O70541.D	**Injection Time:**	11:06
Instrument ID:	GCMSO		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	69296	19.8		Pass
75	30.0 - 60.0% of mass 95	173760	49.6		Pass
95	Base peak, 100% relative abundance	350208	100.0		Pass
96	5.0 - 9.0% of mass 95	23064	6.59		Pass
173	Less than 2.0% of mass 174	1598	0.46	(0.50) [a]	Pass
174	50.0 - 100.0% of mass 95	321301	91.7		Pass
175	5.0 - 9.0% of mass 174	22811	6.51	(7.10) [a]	Pass
176	95.0 - 101.0% of mass 174	310997	88.8	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	20228	5.78	(6.50) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2796-IC2796	O70542.D	08/23/22	12:41	01:35	Initial cal 1
VO2796-IC2796	O70543.D	08/23/22	13:05	01:59	Initial cal 2
VO2796-IC2796	O70544.D	08/23/22	13:30	02:24	Initial cal 3
VO2796-IC2796	O70545.D	08/23/22	13:55	02:49	Initial cal 4
VO2796-ICC2796	O70546.D	08/23/22	15:09	04:03	Initial cal 5
VO2796-IC2796	O70547.D	08/23/22	15:34	04:28	Initial cal 6
VO2796-IC2796	O70548.D	08/23/22	15:59	04:53	Initial cal 7
VO2796-ICV2796	O70550.D	08/23/22	16:49	05:43	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2808-BFB
Lab File ID: O70797.D
Instrument ID: GCMSO
Injection Date: 09/01/22
Injection Time: 11:28

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	68048	19.5		Pass
75	30.0 - 60.0% of mass 95	172672	49.4		Pass
95	Base peak, 100% relative abundance	349227	100.0		Pass
96	5.0 - 9.0% of mass 95	23443	6.71		Pass
173	Less than 2.0% of mass 174	1695	0.49	(0.53) [a]	Pass
174	50.0 - 100.0% of mass 95	320597	91.8		Pass
175	5.0 - 9.0% of mass 174	22611	6.47	(7.05) [a]	Pass
176	95.0 - 101.0% of mass 174	307477	88.0	(95.9) [a]	Pass
177	5.0 - 9.0% of mass 176	20872	5.98	(6.79) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2808-CC2796	O70797.D	09/01/22	11:29	00:01	Continuing cal 5
VO2808-BS	O70798.D	09/01/22	11:54	00:26	Blank Spike
VO2808-MB	O70800.D	09/01/22	12:44	01:16	Method Blank
FA98452-8	O70801.D	09/01/22	13:09	01:41	775-TB01-0822-C
FA98452-9	O70802.D	09/01/22	13:34	02:06	775-EB01-0822-D
ZZZZZZ	O70803.D	09/01/22	13:59	02:31	(unrelated sample)
ZZZZZZ	O70804.D	09/01/22	14:24	02:56	(unrelated sample)
ZZZZZZ	O70805.D	09/01/22	14:49	03:21	(unrelated sample)
ZZZZZZ	O70806.D	09/01/22	15:14	03:46	(unrelated sample)
ZZZZZZ	O70807.D	09/01/22	15:39	04:11	(unrelated sample)
ZZZZZZ	O70808.D	09/01/22	16:04	04:36	(unrelated sample)
ZZZZZZ	O70809.D	09/01/22	16:29	05:01	(unrelated sample)
ZZZZZZ	O70810.D	09/01/22	16:54	05:26	(unrelated sample)
ZZZZZZ	O70811.D	09/01/22	17:19	05:51	(unrelated sample)
ZZZZZZ	O70812.D	09/01/22	17:44	06:16	(unrelated sample)
FA98452-1	O70813.D	09/01/22	18:09	06:41	775MW-20-0822
FA98452-2	O70814.D	09/01/22	18:34	07:06	775MW-6-0822
FA98452-3	O70815.D	09/01/22	18:59	07:31	775VMW-10-0822
FA98452-4	O70816.D	09/01/22	19:24	07:56	775VMW-4-0822
FA98452-5	O70817.D	09/01/22	19:49	08:21	775VMW-5-0822
FA98452-6	O70818.D	09/01/22	20:14	08:46	775VMW-8-0822
FA98452-7	O70819.D	09/01/22	20:38	09:10	775VMW-9-0822
FA98452-10	O70820.D	09/01/22	21:03	09:35	775VMW-9-0822-A
FA98452-2MS	O70821.D	09/01/22	21:28	10:00	Matrix Spike

Instrument Performance Check (BFB)

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample:	VO2808-BFB	**Injection Date:**	09/01/22
Lab File ID:	O70797.D	**Injection Time:**	11:28
Instrument ID:	GCMSO		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
FA98452-2MSD	O70822.D	09/01/22	21:53	10:25	Matrix Spike Duplicate
VO2808-ECC2796	O70823.D	09/01/22	22:18	10:50	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2809-BFB
Lab File ID: O70826.D
Instrument ID: GCMSO
Injection Date: 09/02/22
Injection Time: 12:21

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	69416	20.3		Pass
75	30.0 - 60.0% of mass 95	171605	50.2		Pass
95	Base peak, 100% relative abundance	342144	100.0		Pass
96	5.0 - 9.0% of mass 95	23869	6.98		Pass
173	Less than 2.0% of mass 174	1997	0.58	(0.63) [a]	Pass
174	50.0 - 100.0% of mass 95	316352	92.5		Pass
175	5.0 - 9.0% of mass 174	22315	6.52	(7.05) [a]	Pass
176	95.0 - 101.0% of mass 174	305259	89.2	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	19675	5.75	(6.45) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2809-CC2796	O70826.D	09/02/22	12:22	00:01	Continuing cal 5
VO2810-BS	O70827.D	09/02/22	12:47	00:26	Blank Spike
VO2809-BS	O70827.D	09/02/22	12:47	00:26	Blank Spike
VO2810-MB	O70829.D	09/02/22	13:37	01:16	Method Blank
VO2809-MB	O70829.D	09/02/22	13:37	01:16	Method Blank
ZZZZZZ	O70830.D	09/02/22	14:02	01:41	(unrelated sample)
ZZZZZZ	O70831.D	09/02/22	14:27	02:06	(unrelated sample)
ZZZZZZ	O70832.D	09/02/22	14:52	02:31	(unrelated sample)
ZZZZZZ	O70833.D	09/02/22	15:17	02:56	(unrelated sample)
FA98452-2	O70834.D	09/02/22	15:42	03:21	775MW-6-0822
FA98452-4	O70835.D	09/02/22	16:07	03:46	775VMW-4-0822
ZZZZZZ	O70836.D	09/02/22	16:32	04:11	(unrelated sample)
ZZZZZZ	O70837.D	09/02/22	16:56	04:35	(unrelated sample)
ZZZZZZ	O70838.D	09/02/22	17:21	05:00	(unrelated sample)
ZZZZZZ	O70839.D	09/02/22	17:46	05:25	(unrelated sample)
ZZZZZZ	O70840.D	09/02/22	18:11	05:50	(unrelated sample)
ZZZZZZ	O70841.D	09/02/22	18:36	06:15	(unrelated sample)
ZZZZZZ	O70842.D	09/02/22	19:01	06:40	(unrelated sample)
FA98611-1	O70843.D	09/02/22	19:26	07:05	(used for QC only; not part of job FA98452)
ZZZZZZ	O70844.D	09/02/22	19:51	07:30	(unrelated sample)
FA98394-2	O70845.D	09/02/22	20:16	07:55	(used for QC only; not part of job FA98452)
ZZZZZZ	O70846.D	09/02/22	20:40	08:19	(unrelated sample)
ZZZZZZ	O70847.D	09/02/22	21:05	08:44	(unrelated sample)
FA98394-2MS	O70848.D	09/02/22	21:30	09:09	Matrix Spike

Instrument Performance Check (BFB)

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample:	VO2809-BFB	**Injection Date:**	09/02/22
Lab File ID:	O70826.D	**Injection Time:**	12:21
Instrument ID:	GCMSO		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
FA98394-2MSD	O70849.D	09/02/22	21:55	09:34	Matrix Spike Duplicate
FA98611-1MS	O70850.D	09/02/22	22:19	09:58	Matrix Spike
FA98611-1MSD	O70851.D	09/02/22	22:44	10:23	Matrix Spike Duplicate
VO2809-ECC2796	O70852.D	09/02/22	23:09	10:48	Ending cal 5

Internal Standard Area Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	VO2808-CC2796	**Injection Date:**	09/01/22
Lab File ID:	O70797.D	**Injection Time:**	11:29
Instrument ID:	GCMSO	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	1693712	8.84	1341945	11.99	687478	14.35
Check Std [b]	1541756	8.84	1292655	11.99	682138	14.35
Upper Limit [c]	3083512	9.01	2585310	12.16	1364276	14.52
Lower Limit [d]	770878	8.67	646328	11.82	341069	14.18

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VO2808-BS	1578810	8.84	1310031	11.99	683610	14.35
VO2808-MB	1450449	8.84	1156336	11.99	590094	14.35
FA98452-8	1443839	8.84	1170510	11.99	600838	14.35
FA98452-9	1453680	8.84	1177595	11.99	602186	14.35
ZZZZZZ	1441868	8.84	1156730	11.99	592209	14.35
ZZZZZZ	1407874	8.84	1133582	11.99	582253	14.35
ZZZZZZ	1376871	8.84	1111269	11.99	566099	14.35
ZZZZZZ	1391140	8.84	1129112	11.99	577020	14.35
ZZZZZZ	1391614	8.84	1129238	11.99	576073	14.35
ZZZZZZ	1370962	8.84	1109325	11.99	566069	14.35
ZZZZZZ	1409197	8.84	1150275	11.99	589945	14.35
ZZZZZZ	1381503	8.84	1127121	11.99	575086	14.35
ZZZZZZ	1364232	8.84	1092761	11.99	559047	14.35
ZZZZZZ	1363283	8.84	1108199	11.99	562471	14.35
FA98452-1	1336268	8.84	1077623	11.99	544721	14.35
FA98452-2	1340650	8.84	1094155	11.99	551626	14.35
FA98452-3	1365188	8.84	1105376	11.99	560814	14.35
FA98452-4	1309455	8.84	1069375	11.99	544865	14.35
FA98452-5	1327042	8.84	1077667	11.99	545075	14.35
FA98452-6	1318907	8.84	1067581	11.99	540732	14.35
FA98452-7	1301122	8.84	1043928	11.99	523096	14.35
FA98452-10	1293068	8.84	1039604	11.99	519388	14.35
FA98452-2MS	1403173	8.84	1188284	11.99	624819	14.35
FA98452-2MSD	1487089	8.84	1227778	11.99	644942	14.35
VO2808-ECC2796	1427208	8.84	1199052	11.99	625730	14.35

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: VO2796-ICC2796 O70546.D 08/23/22 15:09
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.

Internal Standard Area Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	VO2808-CC2796	**Injection Date:**	09/01/22
Lab File ID:	O70797.D	**Injection Time:**	11:29
Instrument ID:	GCMSO	**Method:**	SW846 8260D

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT

(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	VO2809-CC2796	**Injection Date:**	09/02/22
Lab File ID:	O70826.D	**Injection Time:**	12:22
Instrument ID:	GCMSO	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	1693712	8.84	1341945	11.99	687478	14.35
Check Std [b]	1506735	8.84	1281032	11.99	678437	14.35
Upper Limit [c]	3013470	9.01	2562064	12.16	1356874	14.52
Lower Limit [d]	753368	8.67	640516	11.82	339219	14.18

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VO2810-BS	1480345	8.84	1223052	11.99	643207	14.35
VO2809-BS	1480345	8.84	1223052	11.99	643207	14.35
VO2810-MB	1436445	8.84	1173842	11.99	596616	14.35
FA98611-1	1257715	8.84	1022930	11.99	526297	14.35
VO2809-ECC27961	1471019	8.84	1240766	11.99	653354	14.35

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: VO2796-ICC2796 O70546.D 08/23/22 15:09
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
FA98452-1	O70813.D	95	98	98	99
FA98452-2	O70834.D	96	98	98	100
FA98452-2	O70814.D	96	100	97	100
FA98452-3	O70815.D	96	101	98	98
FA98452-4	O70835.D	97	102	97	98
FA98452-4	O70816.D	95	102	98	100
FA98452-5	O70817.D	95	100	98	100
FA98452-6	O70818.D	96	101	97	99
FA98452-7	O70819.D	95	99	99	100
FA98452-8	O70801.D	95	102	97	99
FA98452-9	O70802.D	94	99	98	99
FA98452-10	O70820.D	95	98	98	98
FA98394-2MS	O70848.D	99	97	96	97
FA98394-2MSD	O70849.D	98	95	97	96
FA98452-2MS	O70821.D	100	99	94	96
FA98452-2MSD	O70822.D	99	96	96	98
VO2808-BS	O70798.D	99	99	96	99
VO2808-MB	O70800.D	94	97	99	99
VO2809-BS	O70827.D	98	98	96	98
VO2809-MB	O70829.D	96	101	97	100

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Initial Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICC2796
Lab FileID: O70546.D

Response Factor Report MSVOA12

Method : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Calibration Files
1 =O70542.D 2 =O70543.D 3 =O70544.D 4 =O70545.D
5 =O70546.D 6 =O70547.D 7 =O70548.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	----------	----------	ISTD	----------	----------				
2) Dichlorodifluorom	0.309	0.241	0.184	0.169	0.174	0.169	0.183	0.204	25.83
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9967									
Response Ratio = 0.00000 + 0.17887 *A + -0.00067 *A^2									
3)P Chloromethane	0.273	0.243	0.207	0.198	0.193	0.187	0.199	0.214	14.80
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9983									
Response Ratio = 0.00000 + 0.20098 *A + -0.00341 *A^2									
4) 1,3-butadiene	0.246	0.279	0.153	0.176	0.194	0.175	0.184	0.201	22.25
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9918									
Response Ratio = 0.00000 + 0.18897 *A + -0.00409 *A^2									
5)C Vinyl Chloride	0.292	0.272	0.236	0.219	0.219	0.211	0.225	0.239	12.93
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9982									
Response Ratio = 0.00000 + 0.22495 *A + -0.00276 *A^2									
6) Bromomethane	0.155	0.123	0.122	0.109	0.109	0.105	0.111	0.119	14.62
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987									
Response Ratio = 0.00000 + 0.11198 *A + -0.00169 *A^2									
7) Chloroethane	0.156	0.171	0.151	0.141	0.144	0.131	0.102	0.142	15.42
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9972									
Response Ratio = 0.00000 + 0.16539 *A + -0.03016 *A^2									
8) Trichlorofluorome	0.435	0.403	0.343	0.313	0.324	0.318	0.346	0.355	13.09
9) Ethyl Ether	0.193	0.141	0.162	0.148	0.148	0.157	0.156	0.158	10.70
10) Ethanol			0.002	0.001	0.002	0.002	0.002	0.002	14.86
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9955									
Response Ratio = 0.00000 + 0.00171 *A + 0.00000 *A^2									
11) 1,2-Dichlorotrifl	0.262	0.184	0.190	0.189	0.194	0.203	0.204	0.204	13.16
12)C 1,1-Dichloroethen	0.355	0.250	0.270	0.265	0.278	0.291	0.293	0.286	11.87
13) Freon 113	0.290	0.179	0.176	0.169	0.188	0.190	0.194	0.198	21.10
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989									
Response Ratio = 0.00000 + 0.17593 *A + 0.00933 *A^2									
14) Carbon Disulfide	0.750	0.460	0.488	0.493	0.530	0.559	0.565	0.549	17.59
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990									
Response Ratio = 0.00000 + 0.49286 *A + 0.03867 *A^2									
15) Iodomethane	0.055	0.056	0.066	0.103	0.134	0.171	0.174	0.108	48.16
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9922									
Response Ratio = 0.00000 + 0.08560 *A + 0.04880 *A^2									
16) Acrolein	0.034	0.044	0.041	0.036	0.035	0.039	0.041	0.039	9.66

Initial Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICC2796
Lab FileID: O70546.D

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17)  Allyl chloride    0.225 0.303 0.179 0.229 0.249 0.241 0.251 0.240  15.44
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
              Response Ratio = 0.00000 + 0.22918 *A + 0.01090 *A^2

18)  Methylene Chlorid 1.207 0.389 0.299 0.266 0.256 0.262 0.257 0.419  83.60
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9974
              Response Ratio = 0.00000 + 0.26700 *A

19)  Acetone           0.078 0.071 0.070 0.052 0.054 0.058 0.061 0.063  15.29
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9953
              Response Ratio = 0.00000 + 0.05642 *A + 0.00032 *A^2

20)  Methyl acetate    0.161 0.134 0.152 0.145 0.140 0.151 0.157 0.149   6.27
21)  trans-1,2-Dichlor 0.353 0.253 0.271 0.271 0.275 0.287 0.287 0.285  11.30
22)  Hexane            0.173 0.098 0.110 0.104 0.117 0.122 0.121 0.121  20.54
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9980
              Response Ratio = 0.00000 + 0.10883 *A + 0.00687 *A^2

23)  Methyl Tert Butyl 0.572 0.453 0.506 0.473 0.469 0.498 0.507 0.497   7.83
24)  Tert Butyl Alcoho 0.022 0.017 0.018 0.017 0.016 0.018 0.019 0.018  11.38
25)  Acetonitrile      0.028 0.036 0.020 0.024 0.026 0.024 0.025 0.026  18.28
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9938
              Response Ratio = 0.00000 + 0.02483 *A + 0.00001 *A^2

26)  Di-isopropyl ethe 0.673 0.532 0.575 0.563 0.555 0.592 0.596 0.584   7.74
27)  Chloroprene       0.039 0.067 0.039 0.049 0.055 0.053 0.057 0.052  19.56
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9947
              Response Ratio = 0.00000 + 0.04894 *A + 0.00394 *A^2

28)P 1,1-Dichloroethan 0.425 0.322 0.340 0.337 0.337 0.352 0.352 0.352   9.58
29)  Acrylonitrile     0.071 0.057 0.054 0.061 0.067 0.065 0.067 0.063   9.72
30)  ETBE              0.630 0.503 0.557 0.546 0.543 0.589 0.594 0.566   7.31
31)  Vinyl acetate     0.401 0.320 0.323 0.380 0.436 0.425 0.434 0.388  12.78
32)  cis-1,2-Dichloroe 0.296 0.195 0.203 0.198 0.199 0.208 0.207 0.215  16.70
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
              Response Ratio = 0.00000 + 0.19915 *A + 0.00432 *A^2

33)  2,2-Dichloropropa 0.338 0.236 0.254 0.254 0.274 0.287 0.290 0.276  12.07
34)  Bromochloromethan 0.159 0.110 0.118 0.109 0.110 0.116 0.114 0.119  14.90
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9994
              Response Ratio = 0.00000 + 0.11150 *A + 0.00148 *A^2

35)  Cyclohexane       0.387 0.273 0.281 0.279 0.298 0.315 0.325 0.308  12.88
36)C Chloroform        0.471 0.344 0.365 0.354 0.349 0.364 0.365 0.373  11.78
37)  Ethyl acetate     0.211 0.176 0.160 0.182 0.201 0.195 0.204 0.190   9.55
38)  Tetrahydrofuran   0.099 0.067 0.064 0.059 0.056 0.059 0.062 0.067  21.94
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
              Response Ratio = 0.00000 + 0.05924 *A + 0.00068 *A^2

39)S Dibromofluorometh 0.272 0.278 0.282 0.286 0.285 0.286 0.286 0.282   1.90
40)  Carbon Tetrachlor 0.350 0.242 0.263 0.266 0.286 0.298 0.302 0.287  12.25
41)  1,1,1-Trichloroet 0.401 0.295 0.311 0.310 0.324 0.334 0.336 0.330  10.45
42)  2-Butanone        0.093 0.105 0.109 0.082 0.085 0.092 0.098 0.095  10.39
43)  1,1-Dichloroprope 0.348 0.240 0.256 0.253 0.265 0.272 0.273 0.272  12.94
44)  tert-Butyl format 0.115 0.139 0.136 0.122 0.122 0.140 0.145 0.131   8.67
45)  Propionitrile     0.029 0.043 0.025 0.031 0.032 0.031 0.033 0.032  17.49
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9947
              Response Ratio = 0.00000 + 0.03019 *A + 0.00014 *A^2

46)  Methacrylonitrile 0.149 0.194 0.116 0.144 0.148 0.143 0.148 0.149  15.45
```

Initial Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICC2796
Lab FileID: O70546.D

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            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9955
              Response Ratio = 0.00000 + 0.14342 *A + 0.00017 *A^2

47)  Benzene           1.013 0.706 0.758 0.741 0.739 0.777 0.780 0.788  13.00
48)  TAME              0.556 0.442 0.484 0.472 0.466 0.499 0.504 0.489   7.46
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 0.46057 *A + 0.02266 *A^2

49)  Isobutyl alcohol  0.006 0.008 0.005 0.006 0.006 0.006 0.007 0.007  15.39
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9955
              Response Ratio = 0.00000 + 0.00613 *A + 0.00002 *A^2

50)S 1,2-Dichloroethan 0.291 0.297 0.305 0.290 0.286 0.287 0.277 0.290   3.11
51)  1,2-Dichloroethan 0.395 0.291 0.307 0.285 0.280 0.292 0.287 0.305  13.25
52)  Tert Amyl Alcohol 0.013 0.011 0.012 0.012 0.011 0.013 0.014 0.012   9.01
53)  Trichloroethene   0.302 0.192 0.210 0.206 0.211 0.219 0.220 0.223  16.22
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9994
              Response Ratio = 0.00000 + 0.20624 *A + 0.00707 *A^2

54)  Methylcyclohexane 0.346 0.226 0.232 0.232 0.255 0.266 0.278 0.262  16.02
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9993
              Response Ratio = 0.00000 + 0.23077 *A + 0.02402 *A^2

55)  Dibromomethane    0.170 0.120 0.131 0.128 0.124 0.132 0.131 0.134  12.45
56)C 1,2-Dichloropropa 0.227 0.174 0.195 0.187 0.189 0.199 0.199 0.196   8.33
57)  Bromodichlorometh 0.289 0.212 0.237 0.238 0.241 0.259 0.266 0.249   9.89
58)  Methyl methacryla 0.139 0.186 0.115 0.160 0.172 0.173 0.181 0.161  15.74
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9965
              Response Ratio = 0.00000 + 0.15138 *A + 0.01543 *A^2

59)  1,4-Dioxane       0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002  14.68
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9992
              Response Ratio = 0.00000 + 0.00174 *A + -0.00000 *A^2

60)  2-Chloroethyl vin 0.096 0.145 0.140 0.128 0.126 0.142 0.148 0.132  13.62
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
              Response Ratio = 0.00000 + 0.12469 *A + 0.00227 *A^2

61)  cis-1,3-Dichlorop 0.303 0.235 0.264 0.272 0.277 0.299 0.303 0.279   8.99

62) I   Chlorobenzene-d5      ----------------ISTD--------------------
63)S Toluene-d8        1.267 1.270 1.264 1.258 1.250 1.239 1.226 1.254   1.28
64)C Toluene           1.395 0.994 1.031 1.014 1.011 1.054 1.048 1.078  13.11
65)  2-Nitropropane    0.065 0.053 0.060 0.064 0.064 0.071 0.072 0.064  10.32
66)  4-Methyl-2-pentan 0.255 0.281 0.286 0.221 0.230 0.250 0.261 0.255   9.52
67)  trans-1,3-Dichlor 0.319 0.267 0.306 0.301 0.311 0.334 0.335 0.310   7.45
68)  Tetrachloroethene 0.416 0.299 0.298 0.303 0.303 0.315 0.316 0.321  13.18
69)  Ethyl methacrylat 0.224 0.356 0.211 0.292 0.311 0.308 0.320 0.289  18.18
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9957
              Response Ratio = 0.00000 + 0.27957 *A + 0.02105 *A^2

70)  1,1,2-Trichloroet 0.240 0.182 0.199 0.187 0.182 0.188 0.184 0.195  10.79
71)  Dibromochlorometh 0.294 0.233 0.256 0.260 0.265 0.285 0.287 0.269   7.94
72)  1,3-Dichloropropa 0.528 0.376 0.403 0.382 0.372 0.384 0.380 0.403  13.84
73)  1,2-Dibromoethane 0.308 0.220 0.252 0.240 0.236 0.247 0.245 0.250  11.06
74)  3,3-dimethyl-1-bu 0.014 0.018 0.019 0.017 0.016 0.020 0.022 0.018  13.43
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9975
              Response Ratio = 0.00000 + 0.01547 *A + 0.00006 *A^2

75)  2-hexanone        0.154 0.188 0.196 0.151 0.158 0.173 0.182 0.172  10.33
```

Initial Calibration Summary

Job Number: FA98452 **Sample:** VO2796-ICC2796
Account: BHATALB Bhate Environmental **Lab FileID:** O70546.D
Project: Griffiss AFB; Rome, NY

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 76)  1-Chlorohexane    0.328 0.265 0.279 0.279 0.291 0.311 0.313 0.295   7.75
 77)C Ethylbenzene      1.606 1.127 1.163 1.150 1.167 1.224 1.219 1.237  13.49
 78)P Chlorobenzene     0.959 0.677 0.707 0.693 0.682 0.716 0.718 0.736  13.51
 79)  1,1,1,2-Tetrachlo 0.283 0.225 0.250 0.249 0.248 0.265 0.265 0.255   7.12
 80)  m,p-Xylene        1.121 0.840 0.882 0.890 0.901 0.949 0.950 0.933   9.78
 81)  o-Xylene          1.094 0.805 0.856 0.865 0.869 0.913 0.910 0.902  10.21
 82)  Styrene           0.645 0.498 0.588 0.630 0.649 0.703 0.712 0.632  11.50
 83)P Bromoform         0.155 0.128 0.154 0.159 0.163 0.182 0.188 0.161  12.25
 84)  Isopropylbenzene  1.266 0.967 1.051 1.059 1.079 1.127 1.132 1.097   8.43

 85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
 86)S 4-Bromofluorobenz 0.808 0.806 0.810 0.794 0.800 0.795 0.791 0.801   0.94
 87)  cis-1,4-Dichloro- 0.141 0.198 0.123 0.168 0.185 0.187 0.200 0.172  17.22
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9966
               Response Ratio = 0.00000 + 0.15822 *A + 0.02111 *A^2

 88)  n-Propylbenzene   3.044 2.207 2.331 2.331 2.397 2.497 2.560 2.481  11.04
 89)  Bromobenzene      0.823 0.579 0.611 0.588 0.588 0.612 0.618 0.631  13.57
 90)P 1,1,2,2-Tetrachlo 0.734 0.588 0.628 0.597 0.581 0.605 0.616 0.621   8.42
 91)  1,3,5-Trimethylbe 1.975 1.563 1.665 1.697 1.751 1.844 1.899 1.771   8.10
 92)  2-Chlorotoluene   1.858 1.384 1.442 1.447 1.484 1.552 1.576 1.535  10.24
 93)  trans-1,4-Dichlor 0.128 0.138 0.163 0.162 0.163 0.174 0.182 0.159  12.10
 94)  1,2,3-Trichloropr 0.222 0.193 0.198 0.193 0.189 0.196 0.198 0.198   5.48
 95)  Cyclohexanone     0.021 0.013 0.015 0.015 0.015 0.014 0.015 0.015  15.74
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9991
               Response Ratio = 0.00000 + 0.01475 *A + -0.00001 *A^2

 96)  4-Chlorotoluene   1.858 1.384 1.442 1.447 1.484 1.552 1.576 1.535  10.24
 97)  tert-Butylbenzene 1.184 0.829 0.892 0.901 0.919 0.956 0.973 0.951  11.88
 98)  a-Methyl styrene                                             0.000  -1.00
 99)  1,2,4-Trimethylbe 1.944 1.508 1.642 1.643 1.682 1.780 1.811 1.716   8.25
100)  Pentachloroethane 0.271 0.401 0.230 0.319 0.357 0.343 0.361 0.326  17.90
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9947
               Response Ratio = 0.00000 + 0.31195 *A + 0.02508 *A^2

101)  sec-Butylbenzene  2.206 1.704 1.793 1.809 1.869 1.924 1.969 1.896   8.55
102)  4-Isopropyltoluen 1.838 1.419 1.581 1.603 1.676 1.744 1.773 1.662   8.48
103)  1,3-Dichlorobenze 1.423 1.011 1.048 1.026 1.021 1.070 1.089 1.098  13.30
104)  1,2,3-Trimethylbe 2.256 1.634 1.740 1.713 1.715 1.819 1.854 1.819  11.32
105)  1,4-Dichlorobenze 1.734 1.079 1.138 1.109 1.115 1.149 1.172 1.214  19.06
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
               Response Ratio = 0.00000 + 1.10794 *A + 0.02994 *A^2

106)  n-Butylbenzene    0.918 0.693 0.771 0.791 0.835 0.870 0.894 0.825   9.53
107)  Benzyl Chloride   0.147 0.136 0.159 0.182 0.197 0.235 0.249 0.186  23.27
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9990
               Response Ratio = 0.00000 + 0.15817 *A + 0.04777 *A^2

108)  1,2-Dichlorobenze 1.291 0.983 1.019 0.987 0.983 1.018 1.035 1.045  10.56
109)  1,2-Dibromo-3-Chl 0.108 0.081 0.093 0.093 0.095 0.105 0.112 0.098  11.12
110)  Hexachlorobutadie 0.345 0.231 0.231 0.228 0.244 0.237 0.231 0.250  16.96
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9990
               Response Ratio = 0.00000 + 0.24072 *A + -0.00437 *A^2

111)  1,2,4-Trichlorobe 0.788 0.562 0.603 0.594 0.606 0.630 0.627 0.630  11.63
112)  Naphthalene       2.277 1.592 1.658 1.592 1.609 1.701 1.762 1.741  14.03
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
               Response Ratio = 0.00000 + 1.57234 *A + 0.09143 *A^2

113)  1,2,3-Trichlorobe 0.791 0.575 0.599 0.582 0.587 0.609 0.601 0.621  12.28
```

Initial Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICC2796
Lab FileID: O70546.D

(#) = Out of Range

VO_08-23-2022.M Wed Aug 24 09:44:11 2022

Initial Calibration Verification

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICV2796
Lab FileID: O70550.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2022-08-23\O70550.D Vial: 10
Acq On : 23 Aug 2022 4:49 pm Operator: joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 09:37:25 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	107	0.00	8.84
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	34.187	14.5	93	0.00	2.85
3 P	Chloromethane	40.000	37.719	5.7	104	0.00	3.20
4	1,3-butadiene	40.000	34.467	13.8	88	0.00	3.38
5 C	Vinyl Chloride	40.000	36.237	9.4	98	0.00	3.35
6	Bromomethane	40.000	36.692	8.3	100	0.00	3.90
7	Chloroethane	40.000	36.450	8.9	97	0.00	4.10
		AvgRF	CCRF	%Dev			
8	Trichlorofluoromethane	0.355	0.314	11.5	103	0.00	4.33
9	Ethyl Ether	0.158	0.148	6.3	107	0.00	4.80
		Amount	Calc.	%Drift			
10	Ethanol	800.000	682.908	14.6	88	0.00	5.02
		AvgRF	CCRF	%Dev			
11	1,2-Dichlorotrifluoroetha	0.204	0.218	-6.9	120	0.00	5.07
12 C	1,1-Dichloroethene	0.286	0.287	-0.3	110	0.00	5.08
		Amount	Calc.	%Drift			
13	Freon 113	40.000	39.808	0.5	104	0.00	5.14
14	Carbon Disulfide	40.000	34.532	13.7	90	0.00	5.12
15	Iodomethane	40.000	28.566	28.6#	64	0.00	5.29
		AvgRF	CCRF	%Dev			
16	Acrolein	0.039	0.035	10.3	106	0.00	5.54
		Amount	Calc.	%Drift			
17	Allyl chloride	40.000	40.475	-1.2	103	0.00	5.73
18	Methylene Chloride	40.000	38.156	4.6	106	0.00	5.87
19	Acetone	200.000	215.257	-7.6	123	0.00	5.93
		AvgRF	CCRF	%Dev			
20	Methyl acetate	0.149	0.153	-2.7	116	0.00	6.08
21	trans-1,2-Dichloroethene	0.285	0.272	4.6	105	0.00	6.07
		Amount	Calc.	%Drift			
22	Hexane	40.000	42.792	-7.0	112	0.00	6.17
		AvgRF	CCRF	%Dev			

Initial Calibration Verification

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICV2796
Lab FileID: O70550.D

23		Methyl Tert Butyl Ether	0.497	0.574	-15.5	131	0.00	6.20
24		Tert Butyl Alcohol	0.018	0.016	11.1	108	0.00	6.30
			Amount	Calc.	%Drift			
25		Acetonitrile	400.000	355.690	11.1	93	0.00	6.51
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.584	0.583	0.2	112	0.00	6.65
			Amount	Calc.	%Drift			
27		Chloroprene	40.000	166.310	-315.8#	497	0.00	6.81
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane	0.352	0.356	-1.1	113	0.00	6.84
29		Acrylonitrile	0.063	0.066	-4.8	105	0.00	6.89
30		ETBE	0.566	0.530	6.4	104	0.00	7.09
31		Vinyl acetate	0.388	0.426	-9.8	104	0.00	7.11
			Amount	Calc.	%Drift			
32		cis-1,2-Dichloroethene	40.000	39.775	0.6	108	0.00	7.47
			AvgRF	CCRF	%Dev			
33		2,2-Dichloropropane	0.276	0.254	8.0	99	0.00	7.59
			Amount	Calc.	%Drift			
34		Bromochloromethane	40.000	38.502	3.7	105	0.00	7.70
			AvgRF	CCRF	%Dev			
35		Cyclohexane	0.308	0.301	2.3	108	0.00	7.71
36	C	Chloroform	0.373	0.348	6.7	106	0.00	7.76
37		Ethyl acetate	0.190	0.204	-7.4	108	0.00	7.87
			Amount	Calc.	%Drift			
38		Tetrahydrofuran	40.000	39.674	0.8	113	0.00	7.96
			AvgRF	CCRF	%Dev			
39	S	Dibromofluoromethane	0.282	0.289	-2.5	108	0.00	7.96
40		Carbon Tetrachloride	0.287	0.280	2.4	104	0.00	7.93
41		1,1,1-Trichloroethane	0.330	0.323	2.1	106	0.00	8.01
42		2-Butanone	0.095	0.098	-3.2	123	0.00	8.09
43		1,1-Dichloropropene	0.272	0.256	5.9	103	0.00	8.14
44		tert-Butyl formate	0.131	0.112	14.5	98	0.00	8.24
			Amount	Calc.	%Drift			
45		Propionitrile	400.000	336.098	16.0	88	0.00	8.42
46		Methacrylonitrile	400.000	365.183	8.7	95	0.00	8.45
			AvgRF	CCRF	%Dev			
47		Benzene	0.788	0.739	6.2	107	0.00	8.41
			Amount	Calc.	%Drift			
48		TAME	40.000	53.577	-33.9#	149	0.00	8.49
49		Isobutyl alcohol	800.000	714.657	10.7	93	0.00	8.57
			AvgRF	CCRF	%Dev			
50	S	1,2-Dichloroethane-d4	0.290	0.291	-0.3	109	0.00	8.55
51		1,2-Dichloroethane	0.305	0.286	6.2	109	0.00	8.62
52		Tert Amyl Alcohol	0.012	0.012	0.0	114	0.00	8.68
			Amount	Calc.	%Drift			

Initial Calibration Verification

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICV2796
Lab FileID: O70550.D

53		Trichloroethene	40.000	39.307	1.7	105	0.00	9.02
54		Methylcyclohexane	40.000	41.682	-4.2	109	0.00	9.01
			AvgRF	CCRF	%Dev			
55		Dibromomethane	0.134	0.124	7.5	106	0.00	9.46
56	C	1,2-Dichloropropane	0.196	0.181	7.7	102	0.00	9.55
57		Bromodichloromethane	0.249	0.244	2.0	108	0.00	9.60
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	37.531	6.2	95	0.00	9.73
59		1,4-Dioxane	800.000	788.699	1.4	109	0.00	9.81
60		2-Chloroethyl vinyl ether	200.000	205.147	-2.6	116	0.00	10.15
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.279	0.276	1.1	107	0.00	10.24
62	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00	11.99
63	S	Toluene-d8	1.254	1.245	0.7	107	0.00	10.43
64	C	Toluene	1.078	1.020	5.4	108	0.00	10.48
65		2-Nitropropane	0.064	0.064	0.0	108	0.00	10.71
66		4-Methyl-2-pentanone	0.255	0.252	1.2	118	0.00	10.83
67		trans-1,3-Dichloropropene	0.310	0.341	-10.0	118	0.00	10.88
68		Tetrachloroethene	0.321	0.304	5.3	107	0.00	10.88
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	35.953	10.1	91	0.00	10.99
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.195	0.188	3.6	111	0.00	11.05
71		Dibromochloromethane	0.269	0.260	3.3	105	0.00	11.24
72		1,3-Dichloropropane	0.403	0.353	12.4	102	0.00	11.33
73		1,2-Dibromoethane	0.250	0.240	4.0	109	0.00	11.51
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	2031.161	-1.6	120	0.00	11.60
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.172	0.176	-2.3	119	0.00	11.65
76		1-Chlorohexane	0.295	0.304	-3.1	112	0.00	11.94
77	C	Ethylbenzene	1.237	1.152	6.9	106	0.00	12.01
78	P	Chlorobenzene	0.736	0.682	7.3	107	0.00	12.01
79		1,1,1,2-Tetrachloroethane	0.255	0.251	1.6	109	0.00	12.06
80		m,p-Xylene	0.933	0.889	4.7	106	0.00	12.15
81		o-Xylene	0.902	0.885	1.9	109	0.00	12.59
82		Styrene	0.632	0.653	-3.3	108	0.00	12.64
83	P	Bromoform	0.161	0.171	-6.2	113	0.00	12.70
84		Isopropylbenzene	1.097	1.084	1.2	108	0.00	12.89
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	14.35
86	S	4-Bromofluorobenzene	0.801	0.804	-0.4	109	0.00	13.21
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	36.126	9.7	92	0.00	13.25
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	2.481	2.378	4.2	107	0.00	13.31
89		Bromobenzene	0.631	0.566	10.3	104	0.00	13.33
90	P	1,1,2,2-Tetrachloroethane	0.621	0.594	4.3	110	0.00	13.38
91		1,3,5-Trimethylbenzene	1.771	1.708	3.6	105	0.00	13.49
92		2-Chlorotoluene	1.535	1.492	2.8	109	0.00	13.67

Initial Calibration Verification

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICV2796
Lab FileID: O70550.D

93	trans-1,4-Dichloro-2-Bute	0.159	0.134	15.7	88	0.00	13.57
94	1,2,3-Trichloropropane	0.198	0.183	7.6	104	0.00	13.54
		Amount	Calc.	%Drift			
95	Cyclohexanone	200.000	206.745	-3.4	111	0.00	13.62
		AvgRF	CCRF	%Dev			
96	4-Chlorotoluene	1.535	1.492	2.8	109	0.00	13.67
97	tert-Butylbenzene	0.951	0.919	3.4	108	0.00	13.83
98	a-Methyl styrene		----------NA----------				
99	1,2,4-Trimethylbenzene	1.716	1.696	1.2	109	0.00	13.90
		Amount	Calc.	%Drift			
100	Pentachloroethane	40.000	37.805	5.5	95	0.00	13.89
		AvgRF	CCRF	%Dev			
101	sec-Butylbenzene	1.896	1.923	-1.4	111	0.00	14.02
102	4-Isopropyltoluene	1.662	1.690	-1.7	109	0.00	14.15
103	1,3-Dichlorobenzene	1.098	1.049	4.5	111	0.00	14.29
104	1,2,3-Trimethylbenzene	1.819	1.803	0.9	114	0.00	14.36
		Amount	Calc.	%Drift			
105	1,4-Dichlorobenzene	40.000	38.651	3.4	106	0.00	14.37
		AvgRF	CCRF	%Dev			
106	n-Butylbenzene	0.825	0.766	7.2	99	0.00	14.58
		Amount	Calc.	%Drift			
107	Benzyl Chloride	40.000	30.589	23.5#	78	0.00	14.60
		AvgRF	CCRF	%Dev			
108	1,2-Dichlorobenzene	1.045	0.989	5.4	109	0.00	14.79
109	1,2-Dibromo-3-Chloropropa	0.098	0.094	4.1	107	0.00	15.53
		Amount	Calc.	%Drift			
110	Hexachlorobutadiene	40.000	36.498	8.8	96	0.00	16.07
		AvgRF	CCRF	%Dev			
111	1,2,4-Trichlorobenzene	0.630	0.593	5.9	106	0.00	16.12
		Amount	Calc.	%Drift			
112	Naphthalene	40.000	39.492	1.3	109	0.00	16.41
		AvgRF	CCRF	%Dev			
113	1,2,3-Trichlorobenzene	0.621	0.570	8.2	105	0.00	16.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O70546.D VO_08-23-2022.M Wed Aug 24 09:43:59 2022

Continuing Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2808-CC2796
Lab FileID: O70797.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2022-09-01\O70797.D Vial: 2
Acq On : 1 Sep 2022 11:29 am Operator: joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 09:37:25 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	91	0.00	8.84
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	55.226	-38.1#	128	0.00	2.84
3 P	Chloromethane	40.000	44.981	-12.5	105	0.00	3.20
4	1,3-butadiene	40.000	34.883	12.8	76	0.00	3.37
5 C	Vinyl Chloride	40.000	45.617	-14.0	105	0.00	3.34
6	Bromomethane	40.000	38.229	4.4	88	0.00	3.90
7	Chloroethane	40.000	48.554	-21.4#	105	0.00	4.10
		AvgRF	CCRF	%Dev			
8	Trichlorofluoromethane	0.355	0.372	-4.8	104	0.00	4.33
9	Ethyl Ether	0.158	0.154	2.5	95	0.00	4.79
		Amount	Calc.	%Drift			
10	Ethanol	800.000	840.384	-5.0	93	0.00	5.01
		AvgRF	CCRF	%Dev			
11	1,2-Dichlorotrifluoroetha	0.204	0.216	-5.9	101	0.00	5.07
12 C	1,1-Dichloroethene	0.286	0.303	-5.9	99	0.00	5.08
		Amount	Calc.	%Drift			
13	Freon 113	40.000	46.669	-16.7	105	0.00	5.14
14	Carbon Disulfide	40.000	42.499	-6.2	96	0.00	5.12
15	Iodomethane	40.000	30.442	23.9#	60	0.00	5.28
		AvgRF	CCRF	%Dev			
16	Acrolein	0.039	0.037	5.1	97	0.00	5.54
		Amount	Calc.	%Drift			
17	Allyl chloride	40.000	36.432	8.9	79	0.00	5.73
18	Methylene Chloride	40.000	42.781	-7.0	101	0.00	5.86
19	Acetone	200.000	201.086	-0.5	98	0.00	5.92
		AvgRF	CCRF	%Dev			
20	Methyl acetate	0.149	0.155	-4.0	101	0.00	6.07
21	trans-1,2-Dichloroethene	0.285	0.291	-2.1	96	0.00	6.07
		Amount	Calc.	%Drift			
22	Hexane	40.000	46.865	-17.2	105	0.00	6.17
		AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2808-CC2796
Lab FileID: O70797.D

23		Methyl Tert Butyl Ether	0.497	0.495	0.4	96	0.00	6.20
24		Tert Butyl Alcohol	0.018	0.017	5.6	98	0.00	6.30
			Amount	Calc.	%Drift			
25		Acetonitrile	400.000	393.956	1.5	87	0.00	6.51
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.584	0.589	-0.9	97	0.00	6.65
			Amount	Calc.	%Drift			
27		Chloroprene	40.000	37.344	6.6	80	0.00	6.81
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane	0.352	0.358	-1.7	97	0.00	6.83
29		Acrylonitrile	0.063	0.064	-1.6	87	0.00	6.89
30		ETBE	0.566	0.572	-1.1	96	0.00	7.09
31		Vinyl acetate	0.388	0.406	-4.6	85	0.00	7.10
			Amount	Calc.	%Drift			
32		cis-1,2-Dichloroethene	40.000	41.175	-2.9	95	0.00	7.46
			AvgRF	CCRF	%Dev			
33		2,2-Dichloropropane	0.276	0.279	-1.1	93	0.00	7.59
			Amount	Calc.	%Drift			
34		Bromochloromethane	40.000	41.693	-4.2	97	0.00	7.70
			AvgRF	CCRF	%Dev			
35		Cyclohexane	0.308	0.345	-12.0	105	0.00	7.71
36	C	Chloroform	0.373	0.374	-0.3	97	0.00	7.76
37		Ethyl acetate	0.190	0.193	-1.6	87	0.00	7.87
			Amount	Calc.	%Drift			
38		Tetrahydrofuran	40.000	39.609	1.0	97	0.00	7.96
			AvgRF	CCRF	%Dev			
39	S	Dibromofluoromethane	0.282	0.283	-0.4	90	0.00	7.96
40		Carbon Tetrachloride	0.287	0.302	-5.2	96	0.00	7.93
41		1,1,1-Trichloroethane	0.330	0.342	-3.6	96	0.00	8.01
42		2-Butanone	0.095	0.092	3.2	98	0.00	8.09
43		1,1-Dichloropropene	0.272	0.284	-4.4	97	0.00	8.14
44		tert-Butyl formate	0.131	0.131	0.0	98	0.00	8.24
			Amount	Calc.	%Drift			
45		Propionitrile	400.000	371.759	7.1	83	0.00	8.42
46		Methacrylonitrile	400.000	391.666	2.1	87	0.00	8.45
			AvgRF	CCRF	%Dev			
47		Benzene	0.788	0.790	-0.3	97	0.00	8.41
			Amount	Calc.	%Drift			
48		TAME	40.000	41.018	-2.5	96	0.00	8.49
49		Isobutyl alcohol	800.000	831.040	-3.9	93	0.00	8.57
			AvgRF	CCRF	%Dev			
50	S	1,2-Dichloroethane-d4	0.290	0.291	-0.3	93	0.00	8.55
51		1,2-Dichloroethane	0.305	0.300	1.6	97	0.00	8.62
52		Tert Amyl Alcohol	0.012	0.012	0.0	104	0.00	8.68
			Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VO2808-CC2796
Lab FileID: O70797.D

53		Trichloroethene	40.000	42.149	-5.4	96	0.00	9.01
54		Methylcyclohexane	40.000	46.742	-16.9	106	0.00	9.01
			AvgRF	CCRF	%Dev			
55		Dibromomethane	0.134	0.132	1.5	97	0.00	9.46
56	C	1,2-Dichloropropane	0.196	0.200	-2.0	97	0.00	9.55
57		Bromodichloromethane	0.249	0.254	-2.0	96	0.00	9.60
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	38.997	2.5	84	0.00	9.73
59		1,4-Dioxane	800.000	919.947	-15.0	108	0.00	9.80
60		2-Chloroethyl vinyl ether	200.000	199.335	0.3	96	0.00	10.15
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.279	0.290	-3.9	95	0.00	10.24
62	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00	11.99
63	S	Toluene-d8	1.254	1.193	4.9	92	0.00	10.43
64	C	Toluene	1.078	1.013	6.0	96	0.00	10.48
65		2-Nitropropane	0.064	0.063	1.6	95	0.00	10.71
66		4-Methyl-2-pentanone	0.255	0.239	6.3	100	0.00	10.83
67		trans-1,3-Dichloropropene	0.310	0.312	-0.6	97	0.00	10.88
68		Tetrachloroethene	0.321	0.314	2.2	100	0.00	10.88
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	37.251	6.9	85	0.00	10.99
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.195	0.186	4.6	99	0.00	11.05
71		Dibromochloromethane	0.269	0.262	2.6	95	0.00	11.24
72		1,3-Dichloropropane	0.403	0.370	8.2	96	0.00	11.33
73		1,2-Dibromoethane	0.250	0.237	5.2	96	0.00	11.51
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	2027.024	-1.4	108	0.00	11.60
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.172	0.167	2.9	101	0.00	11.65
76		1-Chlorohexane	0.295	0.311	-5.4	103	0.00	11.94
77	C	Ethylbenzene	1.237	1.181	4.5	97	0.00	12.01
78	P	Chlorobenzene	0.736	0.695	5.6	98	0.00	12.01
79		1,1,1,2-Tetrachloroethane	0.255	0.253	0.8	98	0.00	12.06
80		m,p-Xylene	0.933	0.908	2.7	97	0.00	12.15
81		o-Xylene	0.902	0.868	3.8	96	0.00	12.58
82		Styrene	0.632	0.646	-2.2	96	0.00	12.64
83	P	Bromoform	0.161	0.159	1.2	94	0.00	12.70
84		Isopropylbenzene	1.097	1.086	1.0	97	0.00	12.89
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	14.35
86	S	4-Bromofluorobenzene	0.801	0.787	1.7	98	0.00	13.21
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	36.432	8.9	85	0.00	13.25
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	2.481	2.361	4.8	98	0.00	13.31
89		Bromobenzene	0.631	0.585	7.3	99	0.00	13.33
90	P	1,1,2,2-Tetrachloroethane	0.621	0.575	7.4	98	0.00	13.38
91		1,3,5-Trimethylbenzene	1.771	1.724	2.7	98	0.00	13.49
92		2-Chlorotoluene	1.535	1.440	6.2	96	0.00	13.67

Continuing Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2808-CC2796
Lab FileID: O70797.D

93	trans-1,4-Dichloro-2-Bute	0.159	0.155	2.5	94	0.00	13.57
94	1,2,3-Trichloropropane	0.198	0.184	7.1	96	0.00	13.54
		Amount	Calc.	%Drift			
95	Cyclohexanone	200.000	205.725	-2.9	101	0.00	13.61
		AvgRF	CCRF	%Dev			
96	4-Chlorotoluene	1.535	1.440	6.2	96	0.00	13.67
97	tert-Butylbenzene	0.951	0.911	4.2	98	0.00	13.83
98	a-Methyl styrene		----------NA----------				
99	1,2,4-Trimethylbenzene	1.716	1.654	3.6	98	0.00	13.90
		Amount	Calc.	%Drift			
100	Pentachloroethane	40.000	36.574	8.6	84	0.00	13.89
		AvgRF	CCRF	%Dev			
101	sec-Butylbenzene	1.896	1.852	2.3	98	0.00	14.02
102	4-Isopropyltoluene	1.662	1.663	-0.1	98	0.00	14.15
103	1,3-Dichlorobenzene	1.098	1.022	6.9	99	0.00	14.29
104	1,2,3-Trimethylbenzene	1.819	1.706	6.2	99	0.00	14.36
		Amount	Calc.	%Drift			
105	1,4-Dichlorobenzene	40.000	38.516	3.7	97	0.00	14.36
		AvgRF	CCRF	%Dev			
106	n-Butylbenzene	0.825	0.815	1.2	97	0.00	14.58
		Amount	Calc.	%Drift			
107	Benzyl Chloride	40.000	36.688	8.3	89	0.00	14.60
		AvgRF	CCRF	%Dev			
108	1,2-Dichlorobenzene	1.045	0.979	6.3	99	0.00	14.79
109	1,2-Dibromo-3-Chloropropa	0.098	0.087	11.2	92	0.00	15.53
		Amount	Calc.	%Drift			
110	Hexachlorobutadiene	40.000	39.681	0.8	96	0.00	16.07
		AvgRF	CCRF	%Dev			
111	1,2,4-Trichlorobenzene	0.630	0.585	7.1	96	0.00	16.12
		Amount	Calc.	%Drift			
112	Naphthalene	40.000	36.968	7.6	93	0.00	16.41
		AvgRF	CCRF	%Dev			
113	1,2,3-Trichlorobenzene	0.621	0.571	8.1	97	0.00	16.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O70546.D VO_08-23-2022.M Thu Sep 01 11:49:17 2022

Continuing Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2808-ECC2796
Lab FileID: O70823.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\jo...-2022\vo2808\O70823.d Vial: 28
Acq On : 1 Sep 2022 10:18 pm Operator: joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52309,VO2808,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 09:37:25 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	84	0.00	8.84
			True	Calc.	% Drift			
2		Dichlorodifluoromethane	40.000	52.324	-30.8	113	0.00	2.85
3	P	Chloromethane	40.000	44.111	-10.3	95	0.00	3.20
4		1,3-butadiene	40.000	36.662	8.3	74	0.00	3.38
5	C	Vinyl Chloride	40.000	44.982	-12.5	96	0.00	3.35
6		Bromomethane	40.000	34.897	12.8	75	0.00	3.90
7		Chloroethane	40.000	48.222	-20.6	96	0.00	4.10
			AvgRF	CCRF	% Dev			
8		Trichlorofluoromethane	0.355	0.357	-0.6	93	0.00	4.33
9		Ethyl Ether	0.158	0.157	0.6	89	0.00	4.80
			True	Calc.	% Drift			
10		Ethanol	800.000	852.638	-6.6	87	0.00	5.01
			AvgRF	CCRF	% Dev			
11		1,2-Dichlorotrifluoroetha	0.204	0.208	-2.0	91	0.00	5.08
12	C	1,1-Dichloroethene	0.286	0.291	-1.7	88	0.00	5.09
			True	Calc.	% Drift			
13		Freon 113	40.000	44.890	-12.2	93	0.00	5.14
14		Carbon Disulfide	40.000	40.318	-0.8	84	0.00	5.13
15		Iodomethane	40.000	33.749	15.6	63	0.00	5.29
			AvgRF	CCRF	% Dev			
16		Acrolein	0.039	0.035	10.3	84	0.00	5.54
			True	Calc.	% Drift			
17		Allyl chloride	40.000	34.374	14.1	69	0.00	5.73
18		Methylene Chloride	40.000	44.413	-11.0	98	0.00	5.87
19		Acetone	200.000	198.653	0.7	90	0.00	5.93
			AvgRF	CCRF	% Dev			
20		Methyl acetate	0.149	0.157	-5.4	94	0.00	6.08
21		trans-1,2-Dichloroethene	0.285	0.286	-0.4	88	0.00	6.07
			True	Calc.	% Drift			
22		Hexane	40.000	42.722	-6.8	88	0.00	6.17
			AvgRF	CCRF	% Dev			

Continuing Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2808-ECC2796
Lab FileID: O70823.D

23		Methyl Tert Butyl Ether	0.497	0.503	-1.2	90	0.00	6.20
24		Tert Butyl Alcohol	0.018	0.017	5.6	89	0.00	6.30
			True	Calc.	% Drift			
25		Acetonitrile	400.000	387.513	3.1	80	0.00	6.51
			AvgRF	CCRF	% Dev			
26		Di-isopropyl ether	0.584	0.600	-2.7	91	0.00	6.65
			True	Calc.	% Drift			
27		Chloroprene	40.000	35.838	10.4	71	0.00	6.81
			AvgRF	CCRF	% Dev			
28	P	1,1-Dichloroethane	0.352	0.357	-1.4	89	0.00	6.84
29		Acrylonitrile	0.063	0.065	-3.2	81	0.00	6.89
30		ETBE	0.566	0.582	-2.8	90	0.00	7.09
31		Vinyl acetate	0.388	0.398	-2.6	77	0.00	7.11
			True	Calc.	% Drift			
32		cis-1,2-Dichloroethene	40.000	41.069	-2.7	88	0.00	7.47
			AvgRF	CCRF	% Dev			
33		2,2-Dichloropropane	0.276	0.228	17.4	70	0.00	7.59
			True	Calc.	% Drift			
34		Bromochloromethane	40.000	42.059	-5.1	91	0.00	7.70
			AvgRF	CCRF	% Dev			
35		Cyclohexane	0.308	0.331	-7.5	93	0.00	7.71
36	C	Chloroform	0.373	0.371	0.5	90	0.00	7.76
37		Ethyl acetate	0.190	0.193	-1.6	81	0.00	7.87
			True	Calc.	% Drift			
38		Tetrahydrofuran	40.000	39.732	0.7	90	0.00	7.96
			AvgRF	CCRF	% Dev			
39	S	Dibromofluoromethane	0.282	0.283	-0.4	84	0.00	7.96
40		Carbon Tetrachloride	0.287	0.289	-0.7	85	0.00	7.93
41		1,1,1-Trichloroethane	0.330	0.337	-2.1	88	0.00	8.01
42		2-Butanone	0.095	0.089	6.3	89	0.00	8.10
43		1,1-Dichloropropene	0.272	0.271	0.4	86	0.00	8.14
44		tert-Butyl formate	0.131	0.127	3.1	88	0.00	8.24
			True	Calc.	% Drift			
45		Propionitrile	400.000	375.187	6.2	77	0.00	8.42
46		Methacrylonitrile	400.000	398.110	0.5	82	0.00	8.45
			AvgRF	CCRF	% Dev			
47		Benzene	0.788	0.785	0.4	89	0.00	8.41
			True	Calc.	% Drift			
48		TAME	40.000	41.480	-3.7	90	0.00	8.49
49		Isobutyl alcohol	800.000	789.993	1.3	82	0.00	8.57
			AvgRF	CCRF	% Dev			
50	S	1,2-Dichloroethane-d4	0.290	0.285	1.7	84	0.00	8.55
51		1,2-Dichloroethane	0.305	0.305	0.0	92	0.00	8.62
52		Tert Amyl Alcohol	0.012	0.012	0.0	89	0.00	8.68
			True	Calc.	% Drift			

Continuing Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VO2808-ECC2796
Lab FileID: O70823.D

53		Trichloroethene	40.000	41.829	-4.6	89	0.00	9.02
54		Methylcyclohexane	40.000	43.528	-8.8	91	0.00	9.01
			AvgRF	CCRF	% Dev			
55		Dibromomethane	0.134	0.132	1.5	90	0.00	9.46
56	C	1,2-Dichloropropane	0.196	0.201	-2.6	90	0.00	9.55
57		Bromodichloromethane	0.249	0.250	-0.4	87	0.00	9.60
			True	Calc.	% Drift			
58		Methyl methacrylate	40.000	38.602	3.5	77	0.00	9.73
59		1,4-Dioxane	800.000	831.035	-3.9	91	0.00	9.80
60		2-Chloroethyl vinyl ether	200.000	201.054	-0.5	90	0.00	10.15
			AvgRF	CCRF	% Dev			
61		cis-1,3-Dichloropropene	0.279	0.279	0.0	85	0.00	10.24
62	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00	11.99
63	S	Toluene-d8	1.254	1.199	4.4	86	0.00	10.43
64	C	Toluene	1.078	1.001	7.1	88	0.00	10.48
65		2-Nitropropane	0.064	0.058	9.4	82	0.00	10.71
66		4-Methyl-2-pentanone	0.255	0.237	7.1	92	0.00	10.83
67		trans-1,3-Dichloropropene	0.310	0.302	2.6	87	0.00	10.88
68		Tetrachloroethene	0.321	0.327	-1.9	96	0.00	10.88
			True	Calc.	% Drift			
69		Ethyl methacrylate	40.000	37.326	6.7	79	0.00	10.99
			AvgRF	CCRF	% Dev			
70		1,1,2-Trichloroethane	0.195	0.186	4.6	92	0.00	11.05
71		Dibromochloromethane	0.269	0.262	2.6	88	0.00	11.24
72		1,3-Dichloropropane	0.403	0.377	6.5	91	0.00	11.33
73		1,2-Dibromoethane	0.250	0.240	4.0	91	0.00	11.51
			True	Calc.	% Drift			
74		3,3-dimethyl-1-butanol	2000.000	1903.122	4.8	93	0.00	11.60
			AvgRF	CCRF	% Dev			
75		2-hexanone	0.172	0.163	5.2	92	0.00	11.65
76		1-Chlorohexane	0.295	0.294	0.3	90	0.00	11.94
77	C	Ethylbenzene	1.237	1.161	6.1	89	0.00	12.01
78	P	Chlorobenzene	0.736	0.701	4.8	92	0.00	12.01
79		1,1,1,2-Tetrachloroethane	0.255	0.248	2.7	89	0.00	12.06
80		m,p-Xylene	0.933	0.889	4.7	88	0.00	12.15
81		o-Xylene	0.902	0.850	5.8	87	0.00	12.59
82		Styrene	0.632	0.643	-1.7	89	0.00	12.64
83	P	Bromoform	0.161	0.153	5.0	84	0.00	12.70
84		Isopropylbenzene	1.097	1.057	3.6	88	0.00	12.89
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00	14.35
86	S	4-Bromofluorobenzene	0.801	0.785	2.0	89	0.00	13.21
			True	Calc.	% Drift			
87		cis-1,4-Dichloro-2-butene	40.000	31.757	20.6	67	0.00	13.25
			AvgRF	CCRF	% Dev			
88		n-Propylbenzene	2.481	2.310	6.9	88	0.00	13.31
89		Bromobenzene	0.631	0.592	6.2	92	0.00	13.33
90	P	1,1,2,2-Tetrachloroethane	0.621	0.581	6.4	91	0.00	13.38
91		1,3,5-Trimethylbenzene	1.771	1.697	4.2	88	0.00	13.49
92		2-Chlorotoluene	1.535	1.427	7.0	88	0.00	13.67

Continuing Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2808-ECC2796
Lab FileID: O70823.D

93	trans-1,4-Dichloro-2-Bute	0.159	0.130	18.2	73	0.00	13.57
94	1,2,3-Trichloropropane	0.198	0.189	4.5	91	0.00	13.54
		True	Calc.	% Drift			
95	Cyclohexanone	200.000	181.788	9.1	82	0.00	13.62
		AvgRF	CCRF	% Dev			
96	4-Chlorotoluene	1.535	1.427	7.0	88	0.00	13.67
97	tert-Butylbenzene	0.951	0.880	7.5	87	0.00	13.83
98	a-Methyl styrene		----------NA----------				
99	1,2,4-Trimethylbenzene	1.716	1.643	4.3	89	0.00	13.90
		True	Calc.	% Drift			
100	Pentachloroethane	40.000	32.341	19.1	68	0.00	13.89
		AvgRF	CCRF	% Dev			
101	sec-Butylbenzene	1.896	1.785	5.9	87	0.00	14.02
102	4-Isopropyltoluene	1.662	1.589	4.4	86	0.00	14.15
103	1,3-Dichlorobenzene	1.098	1.010	8.0	90	0.00	14.29
104	1,2,3-Trimethylbenzene	1.819	1.700	6.5	90	0.00	14.36
		True	Calc.	% Drift			
105	1,4-Dichlorobenzene	40.000	38.647	3.4	89	0.00	14.37
		AvgRF	CCRF	% Dev			
106	n-Butylbenzene	0.825	0.746	9.6	81	0.00	14.58
		True	Calc.	% Drift			
107	Benzyl Chloride	40.000	26.987	32.5	57	0.00	14.60
		AvgRF	CCRF	% Dev			
108	1,2-Dichlorobenzene	1.045	0.985	5.7	91	0.00	14.79
109	1,2-Dibromo-3-Chloropropa	0.098	0.084	14.3	81	0.00	15.53
		True	Calc.	% Drift			
110	Hexachlorobutadiene	40.000	36.338	9.2	80	0.00	16.07
		AvgRF	CCRF	% Dev			
111	1,2,4-Trichlorobenzene	0.630	0.567	10.0	85	0.00	16.12
		True	Calc.	% Drift			
112	Naphthalene	40.000	37.019	7.5	86	0.00	16.41
		AvgRF	CCRF	% Dev			
113	1,2,3-Trichlorobenzene	0.621	0.568	8.5	88	0.00	16.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O70546.D VO_08-23-2022.M Fri Sep 02 01:51:19 2022

Continuing Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2809-CC2796
Lab FileID: O70826.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2022-09-02\O70826.D Vial: 3
Acq On : 2 Sep 2022 12:22 pm Operator: joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 09:37:25 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	89	0.00	8.84
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane	40.000	54.455	-36.1#	124	0.00	2.85
3	P	Chloromethane	40.000	45.170	-12.9	103	0.00	3.20
4		1,3-butadiene	40.000	34.817	13.0	74	0.00	3.38
5	C	Vinyl Chloride	40.000	45.991	-15.0	104	0.00	3.35
6		Bromomethane	40.000	35.475	11.3	80	0.00	3.90
7		Chloroethane	40.000	50.165	-25.4#	105	0.00	4.10
			AvgRF	CCRF	%Dev			
8		Trichlorofluoromethane	0.355	0.382	-7.6	105	0.00	4.33
9		Ethyl Ether	0.158	0.156	1.3	94	0.00	4.80
			Amount	Calc.	%Drift			
10		Ethanol	800.000	840.197	-5.0	91	0.00	5.01
			AvgRF	CCRF	%Dev			
11		1,2-Dichlorotrifluoroetha	0.204	0.220	-7.8	101	0.00	5.07
12	C	1,1-Dichloroethene	0.286	0.302	-5.6	97	0.00	5.09
			Amount	Calc.	%Drift			
13		Freon 113	40.000	47.421	-18.6	104	0.00	5.14
14		Carbon Disulfide	40.000	42.248	-5.6	93	0.00	5.13
15		Iodomethane	40.000	28.853	27.9#	54	0.00	5.29
			AvgRF	CCRF	%Dev			
16		Acrolein	0.039	0.038	2.6	96	0.00	5.54
			Amount	Calc.	%Drift			
17		Allyl chloride	40.000	36.392	9.0	77	0.00	5.73
18		Methylene Chloride	40.000	45.560	-13.9	106	0.00	5.87
19		Acetone	200.000	196.241	1.9	94	0.00	5.93
			AvgRF	CCRF	%Dev			
20		Methyl acetate	0.149	0.156	-4.7	99	0.00	6.08
21		trans-1,2-Dichloroethene	0.285	0.291	-2.1	94	0.00	6.07
			Amount	Calc.	%Drift			
22		Hexane	40.000	46.444	-16.1	102	0.00	6.17
			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2809-CC2796
Lab FileID: O70826.D

23		Methyl Tert Butyl Ether	0.497	0.485	2.4	92	0.00	6.20
24		Tert Butyl Alcohol	0.018	0.017	5.6	93	0.00	6.31
			Amount	Calc.	%Drift			
25		Acetonitrile	400.000	393.161	1.7	85	0.00	6.51
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.584	0.589	-0.9	94	0.00	6.65
			Amount	Calc.	%Drift			
27		Chloroprene	40.000	37.265	6.8	78	0.00	6.81
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane	0.352	0.359	-2.0	95	0.00	6.84
29		Acrylonitrile	0.063	0.064	-1.6	85	0.00	6.89
30		ETBE	0.566	0.565	0.2	92	0.00	7.09
31		Vinyl acetate	0.388	0.404	-4.1	82	0.00	7.11
			Amount	Calc.	%Drift			
32		cis-1,2-Dichloroethene	40.000	41.771	-4.4	95	0.00	7.47
			AvgRF	CCRF	%Dev			
33		2,2-Dichloropropane	0.276	0.282	-2.2	92	0.00	7.59
			Amount	Calc.	%Drift			
34		Bromochloromethane	40.000	41.983	-5.0	96	0.00	7.70
			AvgRF	CCRF	%Dev			
35		Cyclohexane	0.308	0.342	-11.0	102	0.00	7.71
36	C	Chloroform	0.373	0.375	-0.5	95	0.00	7.76
37		Ethyl acetate	0.190	0.193	-1.6	85	0.00	7.87
			Amount	Calc.	%Drift			
38		Tetrahydrofuran	40.000	40.335	-0.8	96	0.00	7.96
			AvgRF	CCRF	%Dev			
39	S	Dibromofluoromethane	0.282	0.284	-0.7	89	0.00	7.96
40		Carbon Tetrachloride	0.287	0.304	-5.9	95	0.00	7.93
41		1,1,1-Trichloroethane	0.330	0.346	-4.8	95	0.00	8.01
42		2-Butanone	0.095	0.090	5.3	95	0.00	8.09
43		1,1-Dichloropropene	0.272	0.283	-4.0	95	0.00	8.14
44		tert-Butyl formate	0.131	0.128	2.3	94	0.00	8.24
			Amount	Calc.	%Drift			
45		Propionitrile	400.000	379.113	5.2	83	0.00	8.42
46		Methacrylonitrile	400.000	393.651	1.6	86	0.00	8.45
			AvgRF	CCRF	%Dev			
47		Benzene	0.788	0.792	-0.5	95	0.00	8.41
			Amount	Calc.	%Drift			
48		TAME	40.000	40.273	-0.7	92	0.00	8.49
49		Isobutyl alcohol	800.000	823.882	-3.0	90	0.00	8.57
			AvgRF	CCRF	%Dev			
50	S	1,2-Dichloroethane-d4	0.290	0.290	0.0	90	0.00	8.55
51		1,2-Dichloroethane	0.305	0.302	1.0	96	0.00	8.62
52		Tert Amyl Alcohol	0.012	0.012	0.0	98	0.00	8.68
			Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VO2809-CC2796
Lab FileID: O70826.D

53		Trichloroethene	40.000	42.676	-6.7	96	0.00	9.01
54		Methylcyclohexane	40.000	46.099	-15.2	102	0.00	9.01
			AvgRF	CCRF	%Dev			
55		Dibromomethane	0.134	0.132	1.5	94	0.00	9.46
56	C	1,2-Dichloropropane	0.196	0.198	-1.0	93	0.00	9.55
57		Bromodichloromethane	0.249	0.253	-1.6	93	0.00	9.60
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	37.791	5.5	80	0.00	9.73
59		1,4-Dioxane	800.000	916.174	-14.5	105	0.00	9.81
60		2-Chloroethyl vinyl ether	200.000	200.723	-0.4	95	0.00	10.15
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.279	0.287	-2.9	92	0.00	10.24
62	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00	11.99
63	S	Toluene-d8	1.254	1.188	5.3	91	0.00	10.43
64	C	Toluene	1.078	1.009	6.4	95	0.00	10.48
65		2-Nitropropane	0.064	0.062	3.1	92	0.00	10.71
66		4-Methyl-2-pentanone	0.255	0.232	9.0	96	0.00	10.83
67		trans-1,3-Dichloropropene	0.310	0.309	0.3	95	0.00	10.88
68		Tetrachloroethene	0.321	0.311	3.1	98	0.00	10.88
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	36.230	9.4	82	0.00	10.99
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.195	0.182	6.7	96	0.00	11.05
71		Dibromochloromethane	0.269	0.258	4.1	93	0.00	11.24
72		1,3-Dichloropropane	0.403	0.366	9.2	94	0.00	11.33
73		1,2-Dibromoethane	0.250	0.232	7.2	94	0.00	11.51
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	1931.220	3.4	101	0.00	11.60
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.172	0.162	5.8	97	0.00	11.65
76		1-Chlorohexane	0.295	0.304	-3.1	100	0.00	11.94
77	C	Ethylbenzene	1.237	1.173	5.2	96	0.00	12.01
78	P	Chlorobenzene	0.736	0.694	5.7	97	0.00	12.01
79		1,1,1,2-Tetrachloroethane	0.255	0.249	2.4	96	0.00	12.06
80		m,p-Xylene	0.933	0.904	3.1	96	0.00	12.15
81		o-Xylene	0.902	0.852	5.5	94	0.00	12.59
82		Styrene	0.632	0.643	-1.7	95	0.00	12.64
83	P	Bromoform	0.161	0.158	1.9	93	0.00	12.70
84		Isopropylbenzene	1.097	1.071	2.4	95	0.00	12.89
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	14.35
86	S	4-Bromofluorobenzene	0.801	0.774	3.4	95	0.00	13.21
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	35.792	10.5	83	0.00	13.25
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	2.481	2.328	6.2	96	0.00	13.31
89		Bromobenzene	0.631	0.574	9.0	96	0.00	13.33
90	P	1,1,2,2-Tetrachloroethane	0.621	0.564	9.2	96	0.00	13.38
91		1,3,5-Trimethylbenzene	1.771	1.674	5.5	94	0.00	13.49
92		2-Chlorotoluene	1.535	1.416	7.8	94	0.00	13.67

Continuing Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2809-CC2796
Lab FileID: O70826.D

93	trans-1,4-Dichloro-2-Bute	0.159	0.146	8.2	88	0.00	13.57
94	1,2,3-Trichloropropane	0.198	0.182	8.1	95	0.00	13.54
		Amount	Calc.	%Drift			
95	Cyclohexanone	200.000	191.868	4.1	94	0.00	13.62
		AvgRF	CCRF	%Dev			
96	4-Chlorotoluene	1.535	1.416	7.8	94	0.00	13.67
97	tert-Butylbenzene	0.951	0.888	6.6	95	0.00	13.83
98	a-Methyl styrene		----------NA----------				
99	1,2,4-Trimethylbenzene	1.716	1.640	4.4	96	0.00	13.90
		Amount	Calc.	%Drift			
100	Pentachloroethane	40.000	36.355	9.1	83	0.00	13.89
		AvgRF	CCRF	%Dev			
101	sec-Butylbenzene	1.896	1.814	4.3	96	0.00	14.02
102	4-Isopropyltoluene	1.662	1.628	2.0	96	0.00	14.15
103	1,3-Dichlorobenzene	1.098	1.000	8.9	97	0.00	14.29
104	1,2,3-Trimethylbenzene	1.819	1.670	8.2	96	0.00	14.36
		Amount	Calc.	%Drift			
105	1,4-Dichlorobenzene	40.000	38.393	4.0	96	0.00	14.36
		AvgRF	CCRF	%Dev			
106	n-Butylbenzene	0.825	0.800	3.0	95	0.00	14.58
		Amount	Calc.	%Drift			
107	Benzyl Chloride	40.000	36.677	8.3	89	0.00	14.60
		AvgRF	CCRF	%Dev			
108	1,2-Dichlorobenzene	1.045	0.956	8.5	96	0.00	14.79
109	1,2-Dibromo-3-Chloropropa	0.098	0.085	13.3	89	0.00	15.53
		Amount	Calc.	%Drift			
110	Hexachlorobutadiene	40.000	38.737	3.2	93	0.00	16.07
		AvgRF	CCRF	%Dev			
111	1,2,4-Trichlorobenzene	0.630	0.566	10.2	92	0.00	16.12
		Amount	Calc.	%Drift			
112	Naphthalene	40.000	36.093	9.8	91	0.00	16.41
		AvgRF	CCRF	%Dev			
113	1,2,3-Trichlorobenzene	0.621	0.558	10.1	94	0.00	16.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O70546.D VO_08-23-2022.M Fri Sep 02 12:42:30 2022

Continuing Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2809-ECC2796
Lab FileID: O70852.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2022-09-02\O70852.D Vial: 28
Acq On : 2 Sep 2022 11:09 pm Operator: joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 09:37:25 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	87	0.00	8.84
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane	40.000	55.880	-39.7	124	0.00	2.85
3	P	Chloromethane	40.000	46.974	-17.4	105	0.00	3.20
4		1,3-butadiene	40.000	36.776	8.1	77	0.00	3.38
5	C	Vinyl Chloride	40.000	47.207	-18.0	104	0.00	3.35
6		Bromomethane	40.000	38.941	2.6	86	0.00	3.90
7		Chloroethane	40.000	50.695	-26.7	103	0.00	4.10
			AvgRF	CCRF	%Dev			
8		Trichlorofluoromethane	0.355	0.386	-8.7	103	0.00	4.33
9		Ethyl Ether	0.158	0.159	-0.6	94	0.00	4.80
			Amount	Calc.	%Drift			
10		Ethanol	800.000	733.775	8.3	77	0.00	5.01
			AvgRF	CCRF	%Dev			
11		1,2-Dichlorotrifluoroetha	0.204	0.220	-7.8	99	0.00	5.07
12	C	1,1-Dichloroethene	0.286	0.311	-8.7	97	0.00	5.09
			Amount	Calc.	%Drift			
13		Freon 113	40.000	46.889	-17.2	100	0.00	5.14
14		Carbon Disulfide	40.000	42.772	-6.9	92	0.00	5.13
15		Iodomethane	40.000	36.093	9.8	71	0.00	5.29
			AvgRF	CCRF	%Dev			
16		Acrolein	0.039	0.033	15.4	81	0.00	5.54
			Amount	Calc.	%Drift			
17		Allyl chloride	40.000	36.445	8.9	76	0.00	5.73
18		Methylene Chloride	40.000	46.667	-16.7	106	0.00	5.87
19		Acetone	200.000	184.766	7.6	86	0.00	5.93
			AvgRF	CCRF	%Dev			
20		Methyl acetate	0.149	0.155	-4.0	96	0.00	6.08
21		trans-1,2-Dichloroethene	0.285	0.299	-4.9	94	0.00	6.07
			Amount	Calc.	%Drift			
22		Hexane	40.000	45.631	-14.1	98	0.00	6.17
			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
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23		Methyl Tert Butyl Ether	0.497	0.500	-0.6	92	0.00	6.20
24		Tert Butyl Alcohol	0.018	0.016	11.1	86	0.00	6.30
			Amount	Calc.	%Drift			
25		Acetonitrile	400.000	366.455	8.4	78	0.00	6.51
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.584	0.604	-3.4	95	0.00	6.65
			Amount	Calc.	%Drift			
27		Chloroprene	40.000	37.487	6.3	76	0.00	6.81
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane	0.352	0.370	-5.1	95	0.00	6.84
29		Acrylonitrile	0.063	0.062	1.6	80	0.00	6.89
30		ETBE	0.566	0.589	-4.1	94	0.00	7.09
31		Vinyl acetate	0.388	0.376	3.1	75	0.00	7.11
			Amount	Calc.	%Drift			
32		cis-1,2-Dichloroethene	40.000	42.780	-7.0	95	0.00	7.47
			AvgRF	CCRF	%Dev			
33		2,2-Dichloropropane	0.276	0.240	13.0	76	0.00	7.59
			Amount	Calc.	%Drift			
34		Bromochloromethane	40.000	42.569	-6.4	95	0.00	7.70
			AvgRF	CCRF	%Dev			
35		Cyclohexane	0.308	0.351	-14.0	102	0.00	7.71
36	C	Chloroform	0.373	0.383	-2.7	95	0.00	7.76
37		Ethyl acetate	0.190	0.183	3.7	79	0.00	7.87
			Amount	Calc.	%Drift			
38		Tetrahydrofuran	40.000	38.205	4.5	89	0.00	7.96
			AvgRF	CCRF	%Dev			
39	S	Dibromofluoromethane	0.282	0.278	1.4	85	0.00	7.96
40		Carbon Tetrachloride	0.287	0.308	-7.3	94	0.00	7.93
41		1,1,1-Trichloroethane	0.330	0.355	-7.6	95	0.00	8.01
42		2-Butanone	0.095	0.084	11.6	86	0.00	8.09
43		1,1-Dichloropropene	0.272	0.289	-6.2	95	0.00	8.14
44		tert-Butyl formate	0.131	0.127	3.1	91	0.00	8.24
			Amount	Calc.	%Drift			
45		Propionitrile	400.000	354.040	11.5	75	0.00	8.42
46		Methacrylonitrile	400.000	380.243	4.9	81	0.00	8.45
			AvgRF	CCRF	%Dev			
47		Benzene	0.788	0.816	-3.6	96	0.00	8.41
			Amount	Calc.	%Drift			
48		TAME	40.000	41.796	-4.5	93	0.00	8.49
49		Isobutyl alcohol	800.000	721.052	9.9	77	0.00	8.57
			AvgRF	CCRF	%Dev			
50	S	1,2-Dichloroethane-d4	0.290	0.283	2.4	86	0.00	8.55
51		1,2-Dichloroethane	0.305	0.308	-1.0	95	0.00	8.62
52		Tert Amyl Alcohol	0.012	0.011	8.3	85	0.00	8.68
			Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VO2809-ECC2796
Lab FileID: O70852.D

53		Trichloroethene	40.000	43.042	-7.6	94	0.00	9.01
54		Methylcyclohexane	40.000	46.530	-16.3	100	0.00	9.01
			AvgRF	CCRF	%Dev			
55		Dibromomethane	0.134	0.134	0.0	94	0.00	9.46
56	C	1,2-Dichloropropane	0.196	0.208	-6.1	96	0.00	9.55
57		Bromodichloromethane	0.249	0.257	-3.2	92	0.00	9.60
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	37.188	7.0	77	0.00	9.73
59		1,4-Dioxane	800.000	812.591	-1.6	92	0.00	9.80
60		2-Chloroethyl vinyl ether	200.000	199.455	0.3	92	0.00	10.15
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.279	0.284	-1.8	89	0.00	10.24
62	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00	11.99
63	S	Toluene-d8	1.254	1.197	4.5	89	0.00	10.43
64	C	Toluene	1.078	1.044	3.2	95	0.00	10.48
65		2-Nitropropane	0.064	0.056	12.5	81	0.00	10.71
66		4-Methyl-2-pentanone	0.255	0.226	11.4	91	0.00	10.83
67		trans-1,3-Dichloropropene	0.310	0.305	1.6	91	0.00	10.88
68		Tetrachloroethene	0.321	0.347	-8.1	106	0.00	10.88
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	36.496	8.8	80	0.00	10.99
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.195	0.187	4.1	95	0.00	11.05
71		Dibromochloromethane	0.269	0.259	3.7	91	0.00	11.24
72		1,3-Dichloropropane	0.403	0.372	7.7	93	0.00	11.33
73		1,2-Dibromoethane	0.250	0.236	5.6	92	0.00	11.51
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	1801.104	9.9	91	0.00	11.60
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.172	0.153	11.0	89	0.00	11.65
76		1-Chlorohexane	0.295	0.300	-1.7	95	0.00	11.94
77	C	Ethylbenzene	1.237	1.203	2.7	95	0.00	12.01
78	P	Chlorobenzene	0.736	0.710	3.5	96	0.00	12.01
79		1,1,1,2-Tetrachloroethane	0.255	0.256	-0.4	96	0.00	12.06
80		m,p-Xylene	0.933	0.926	0.8	95	0.00	12.15
81		o-Xylene	0.902	0.882	2.2	94	0.00	12.58
82		Styrene	0.632	0.659	-4.3	94	0.00	12.64
83	P	Bromoform	0.161	0.151	6.2	86	0.00	12.70
84		Isopropylbenzene	1.097	1.106	-0.8	95	0.00	12.89
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00	14.35
86	S	4-Bromofluorobenzene	0.801	0.778	2.9	92	0.00	13.21
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	31.639	20.9	70	0.00	13.25
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	2.481	2.391	3.6	95	0.00	13.31
89		Bromobenzene	0.631	0.595	5.7	96	0.00	13.33
90	P	1,1,2,2-Tetrachloroethane	0.621	0.555	10.6	91	0.00	13.38
91		1,3,5-Trimethylbenzene	1.771	1.733	2.1	94	0.00	13.49
92		2-Chlorotoluene	1.535	1.458	5.0	93	0.00	13.67

Continuing Calibration Summary

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2809-ECC2796
Lab FileID: O70852.D

93	trans-1,4-Dichloro-2-Bute	0.159	0.126	20.8	74	0.00	13.57
94	1,2,3-Trichloropropane	0.198	0.181	8.6	91	0.00	13.54
		Amount	Calc.	%Drift			
95	Cyclohexanone	200.000	175.067	12.5	83	0.00	13.62
		AvgRF	CCRF	%Dev			
96	4-Chlorotoluene	1.535	1.458	5.0	93	0.00	13.67
97	tert-Butylbenzene	0.951	0.915	3.8	95	0.00	13.83
98	a-Methyl styrene		----------NA----------				
99	1,2,4-Trimethylbenzene	1.716	1.672	2.6	95	0.00	13.90
		Amount	Calc.	%Drift			
100	Pentachloroethane	40.000	31.800	20.5	69	0.00	13.89
		AvgRF	CCRF	%Dev			
101	sec-Butylbenzene	1.896	1.868	1.5	95	0.00	14.02
102	4-Isopropyltoluene	1.662	1.666	-0.2	94	0.00	14.15
103	1,3-Dichlorobenzene	1.098	1.037	5.6	97	0.00	14.29
104	1,2,3-Trimethylbenzene	1.819	1.732	4.8	96	0.00	14.36
		Amount	Calc.	%Drift			
105	1,4-Dichlorobenzene	40.000	39.385	1.5	95	0.00	14.36
		AvgRF	CCRF	%Dev			
106	n-Butylbenzene	0.825	0.781	5.3	89	0.00	14.58
		Amount	Calc.	%Drift			
107	Benzyl Chloride	40.000	26.879	32.8	60	0.00	14.60
		AvgRF	CCRF	%Dev			
108	1,2-Dichlorobenzene	1.045	0.979	6.3	95	0.00	14.79
109	1,2-Dibromo-3-Chloropropa	0.098	0.080	18.4	80	0.00	15.53
		Amount	Calc.	%Drift			
110	Hexachlorobutadiene	40.000	38.298	4.3	88	0.00	16.07
		AvgRF	CCRF	%Dev			
111	1,2,4-Trichlorobenzene	0.630	0.577	8.4	90	0.00	16.12
		Amount	Calc.	%Drift			
112	Naphthalene	40.000	36.330	9.2	88	0.00	16.41
		AvgRF	CCRF	%Dev			
113	1,2,3-Trichlorobenzene	0.621	0.569	8.4	92	0.00	16.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O70546.D VO_08-23-2022.M Wed Sep 07 14:52:54 2022

Run Sequence Report

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VO2796 **Method:** SW846 8260D **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2796-BFB	O70541.D	08/23/22 11:06	n/a	BFB Tune
VO2796-IC2796	O70542.D	08/23/22 12:41	n/a	Initial cal 1
VO2796-IC2796	O70543.D	08/23/22 13:05	n/a	Initial cal 2
VO2796-IC2796	O70544.D	08/23/22 13:30	n/a	Initial cal 3
VO2796-IC2796	O70545.D	08/23/22 13:55	n/a	Initial cal 4
VO2796-ICC2796	O70546.D	08/23/22 15:09	n/a	Initial cal 5
VO2796-IC2796	O70547.D	08/23/22 15:34	n/a	Initial cal 6
VO2796-IC2796	O70548.D	08/23/22 15:59	n/a	Initial cal 7
VO2796-ICV2796	O70550.D	08/23/22 16:49	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VO2808 **Method:** SW846 8260D **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2808-BFB	O70797.D	09/01/22 11:28	n/a	BFB Tune
VO2808-CC2796	O70797.D	09/01/22 11:29	n/a	Continuing cal 5
VO2808-BS	O70798.D	09/01/22 11:54	n/a	Blank Spike
VO2808-MB	O70800.D	09/01/22 12:44	n/a	Method Blank
FA98452-8	O70801.D	09/01/22 13:09	n/a	775-TB01-0822-C
FA98452-9	O70802.D	09/01/22 13:34	n/a	775-EB01-0822-D
ZZZZZZ	O70803.D	09/01/22 13:59	n/a	(unrelated sample)
ZZZZZZ	O70804.D	09/01/22 14:24	n/a	(unrelated sample)
ZZZZZZ	O70805.D	09/01/22 14:49	n/a	(unrelated sample)
ZZZZZZ	O70806.D	09/01/22 15:14	n/a	(unrelated sample)
ZZZZZZ	O70807.D	09/01/22 15:39	n/a	(unrelated sample)
ZZZZZZ	O70808.D	09/01/22 16:04	n/a	(unrelated sample)
ZZZZZZ	O70809.D	09/01/22 16:29	n/a	(unrelated sample)
ZZZZZZ	O70810.D	09/01/22 16:54	n/a	(unrelated sample)
ZZZZZZ	O70811.D	09/01/22 17:19	n/a	(unrelated sample)
ZZZZZZ	O70812.D	09/01/22 17:44	n/a	(unrelated sample)
FA98452-1	O70813.D	09/01/22 18:09	n/a	775MW-20-0822
FA98452-2	O70814.D	09/01/22 18:34	n/a	775MW-6-0822
FA98452-3	O70815.D	09/01/22 18:59	n/a	775VMW-10-0822
FA98452-4	O70816.D	09/01/22 19:24	n/a	775VMW-4-0822
FA98452-5	O70817.D	09/01/22 19:49	n/a	775VMW-5-0822
FA98452-6	O70818.D	09/01/22 20:14	n/a	775VMW-8-0822
FA98452-7	O70819.D	09/01/22 20:38	n/a	775VMW-9-0822
FA98452-10	O70820.D	09/01/22 21:03	n/a	775VMW-9-0822-A
FA98452-2MS	O70821.D	09/01/22 21:28	n/a	Matrix Spike
FA98452-2MSD	O70822.D	09/01/22 21:53	n/a	Matrix Spike Duplicate
VO2808-ECC2796	O70823.D	09/01/22 22:18	n/a	Ending cal 5

Run Sequence Report

Job Number: FA98452
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VO2809 **Method:** SW846 8260D **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2809-BFB	O70826.D	09/02/22 12:21	n/a	BFB Tune
VO2809-CC2796	O70826.D	09/02/22 12:22	n/a	Continuing cal 5
VO2809-BS	O70827.D	09/02/22 12:47	n/a	Blank Spike
VO2809-MB	O70829.D	09/02/22 13:37	n/a	Method Blank
ZZZZZZ	O70830.D	09/02/22 14:02	n/a	(unrelated sample)
ZZZZZZ	O70831.D	09/02/22 14:27	n/a	(unrelated sample)
ZZZZZZ	O70832.D	09/02/22 14:52	n/a	(unrelated sample)
ZZZZZZ	O70833.D	09/02/22 15:17	n/a	(unrelated sample)
FA98452-2	O70834.D	09/02/22 15:42	n/a	775MW-6-0822
FA98452-4	O70835.D	09/02/22 16:07	n/a	775VMW-4-0822
ZZZZZZ	O70836.D	09/02/22 16:32	n/a	(unrelated sample)
ZZZZZZ	O70837.D	09/02/22 16:56	n/a	(unrelated sample)
ZZZZZZ	O70838.D	09/02/22 17:21	n/a	(unrelated sample)
ZZZZZZ	O70839.D	09/02/22 17:46	n/a	(unrelated sample)
ZZZZZZ	O70840.D	09/02/22 18:11	n/a	(unrelated sample)
ZZZZZZ	O70841.D	09/02/22 18:36	n/a	(unrelated sample)
ZZZZZZ	O70842.D	09/02/22 19:01	n/a	(unrelated sample)
ZZZZZZ	O70844.D	09/02/22 19:51	n/a	(unrelated sample)
FA98394-2	O70845.D	09/02/22 20:16	n/a	(used for QC only; not part of job FA98452)
ZZZZZZ	O70846.D	09/02/22 20:40	n/a	(unrelated sample)
ZZZZZZ	O70847.D	09/02/22 21:05	n/a	(unrelated sample)
FA98394-2MS	O70848.D	09/02/22 21:30	n/a	Matrix Spike
FA98394-2MSD	O70849.D	09/02/22 21:55	n/a	Matrix Spike Duplicate
VO2809-ECC2796	O70852.D	09/02/22 23:09	n/a	Ending cal 5

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70813.d
Acq On : 1 Sep 2022 6:09 pm
Operator : joannel
Sample : FA98452-1
Misc : MS52309,VO2808,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 02 01:39:21 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

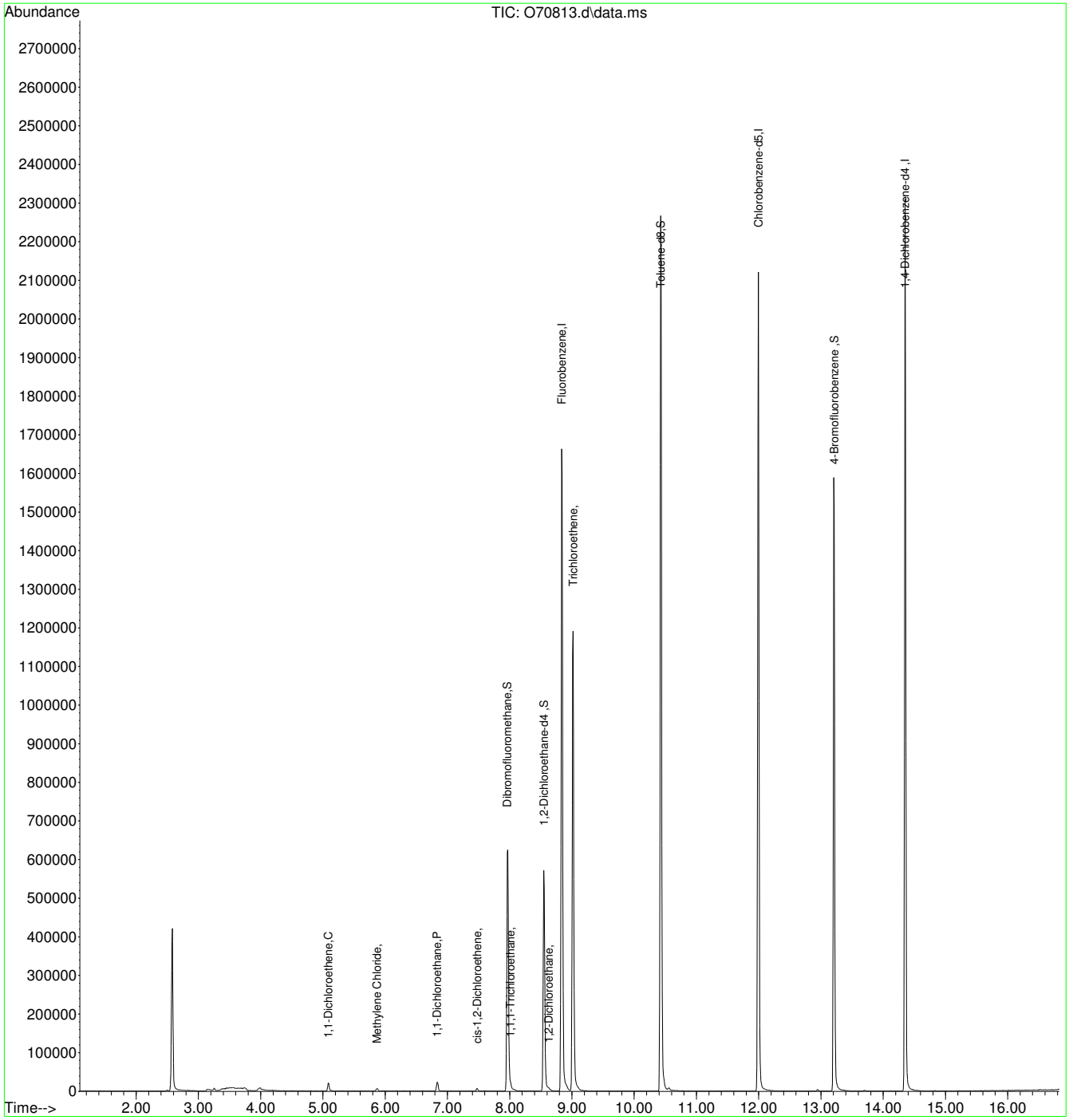
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1336268	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1077623	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	544721	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	358654	47.55	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	95.10%		
50) 1,2-Dichloroethane-d4	8.549	65	380704	49.06	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	98.12%		
63) Toluene-d8	10.427	98	1324487	49.02	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	98.04%		
86) 4-Bromofluorobenzene	13.213	174	430652	49.37	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.74%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	5.086	61	14027	1.83	ug/L	94
18) Methylene Chloride	5.866	49	5396	0.76	ug/L	85
28) 1,1-Dichloroethane	6.836	63	23681	2.52	ug/L	99
32) cis-1,2-Dichloroethene	7.476	96	3084	0.58	ug/L	91
41) 1,1,1-Trichloroethane	8.012	97	4712	0.53	ug/L	94
51) 1,2-Dichloroethane	8.628	62	2728	0.33	ug/L	91
53) Trichloroethene	9.018	95	348554	60.71	ug/L	97

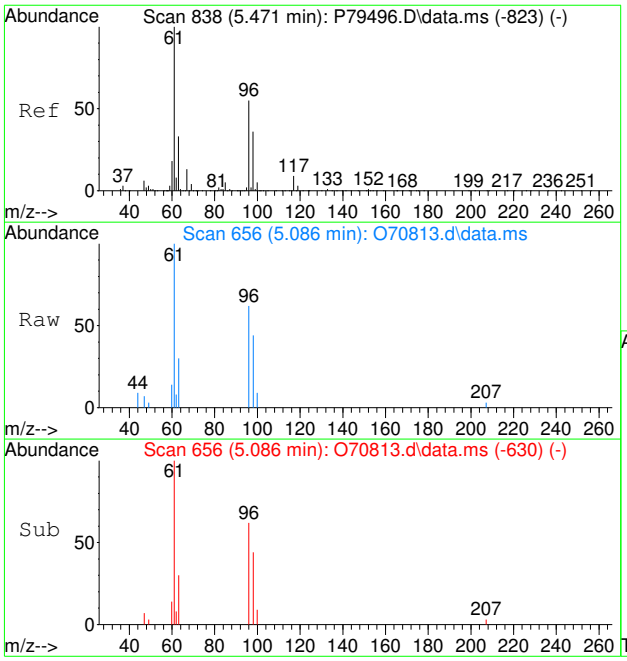
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70813.d
Acq On : 1 Sep 2022 6:09 pm
Operator : joannel
Sample : FA98452-1
Misc : MS52309,VO2808,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 02 01:39:21 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

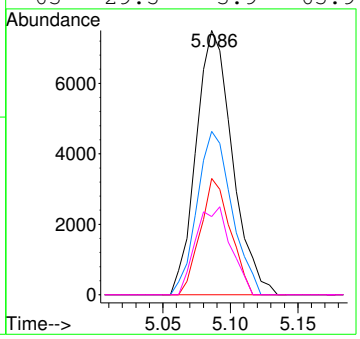


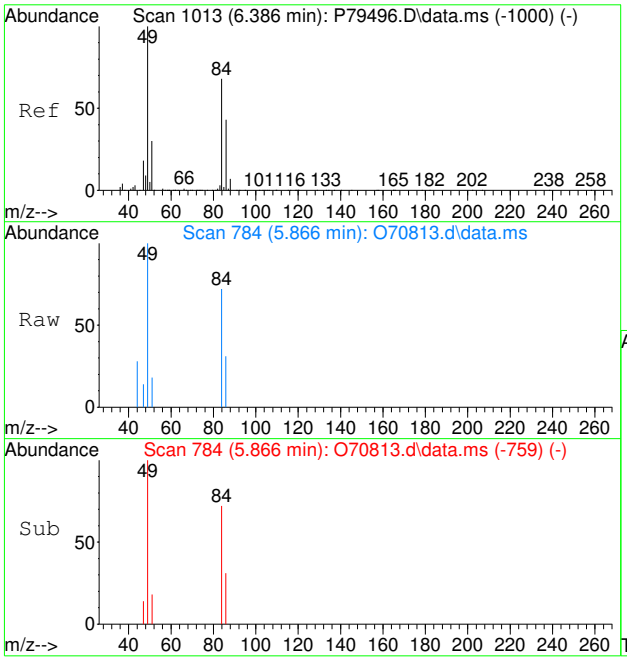


#12
1,1-Dichloroethene
Concen: 1.83 ug/L
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: O70813.d
Acq: 1 Sep 2022 6:09 pm

Tgt Ion: 61 Resp: 14027

Ion	Ratio	Lower	Upper
61	100		
96	61.8	28.1	88.1
98	44.0	9.9	69.9
63	29.5	3.9	63.9

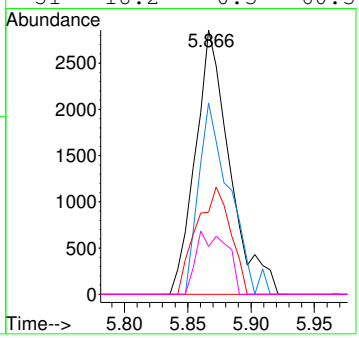


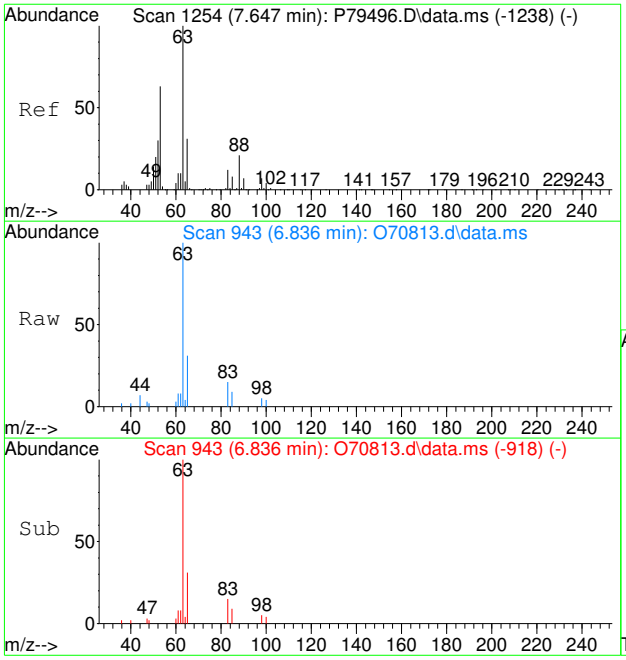


#18
Methylene Chloride
Concen: 0.76 ug/L
RT: 5.866 min Scan# 784
Delta R.T. 0.000 min
Lab File: O70813.d
Acq: 1 Sep 2022 6:09 pm

Tgt Ion: 49 Resp: 5396

Ion	Ratio	Lower	Upper
49	100		
84	72.4	44.6	104.6
86	31.1	20.5	80.5
51	18.2	0.3	60.3

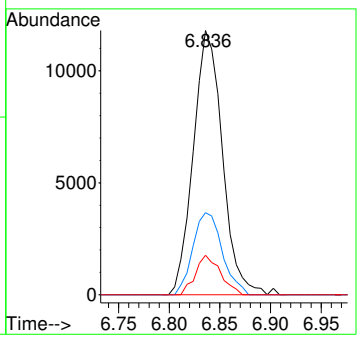


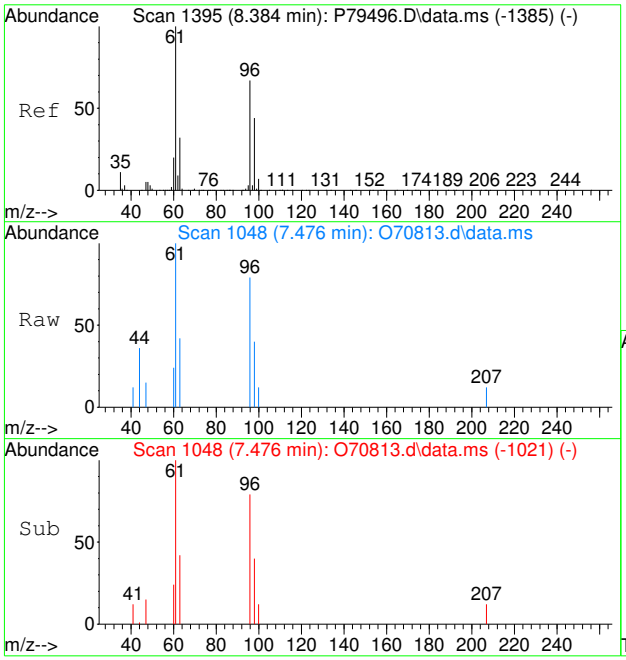


#28
1,1-Dichloroethane
Concen: 2.52 ug/L
RT: 6.836 min Scan# 943
Delta R.T. -0.000 min
Lab File: O70813.d
Acq: 1 Sep 2022 6:09 pm

Tgt Ion: 63 Resp: 23681

Ion	Ratio	Lower	Upper
63	100		
65	31.1	1.5	61.5
83	15.0	0.0	44.4

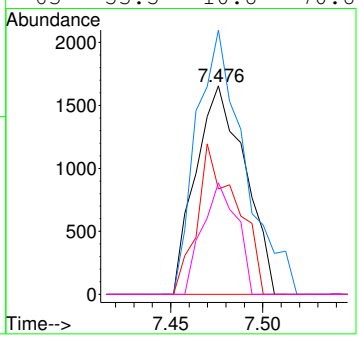


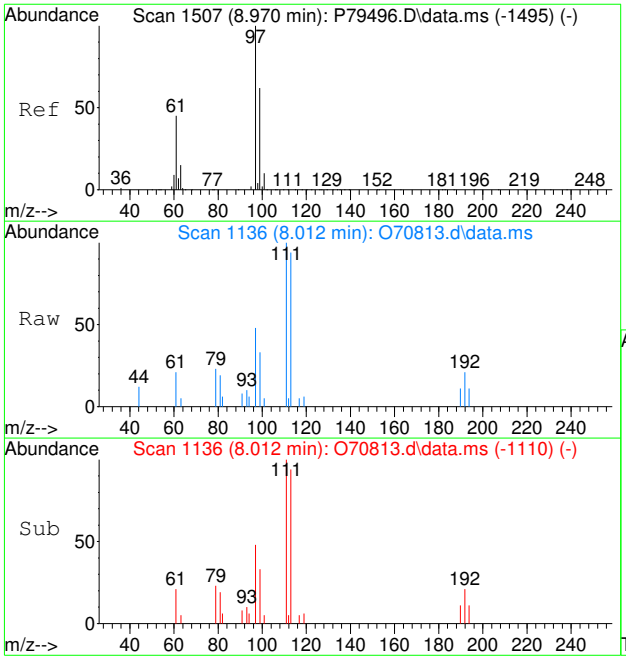


#32
cis-1,2-Dichloroethene
Concen: 0.58 ug/L
RT: 7.476 min Scan# 1048
Delta R.T. 0.012 min
Lab File: O70813.d
Acq: 1 Sep 2022 6:09 pm

Tgt Ion: 96 Resp: 3084

Ion	Ratio	Lower	Upper
96	100		
61	126.8	99.8	159.8
98	50.5	32.3	92.3
63	53.5	10.8	70.8

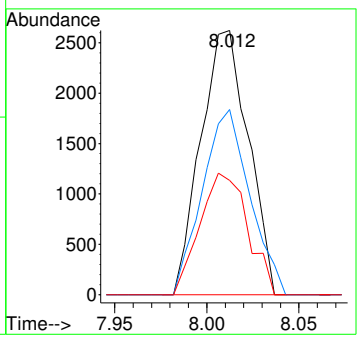


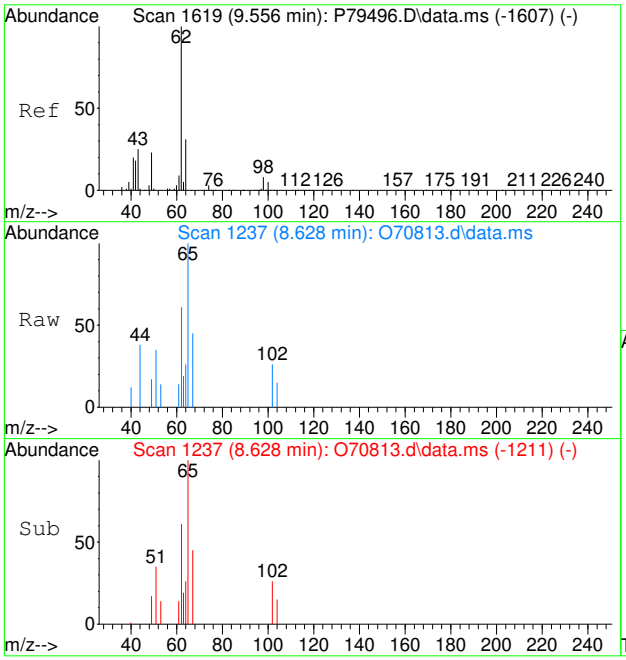


#41
1,1,1-Trichloroethane
Concen: 0.53 ug/L
RT: 8.012 min Scan# 1136
Delta R.T. 0.006 min
Lab File: O70813.d
Acq: 1 Sep 2022 6:09 pm

Tgt Ion: 97 Resp: 4712

Ion	Ratio	Lower	Upper
97	100		
99	70.1	33.2	93.2
61	43.3	12.6	72.6

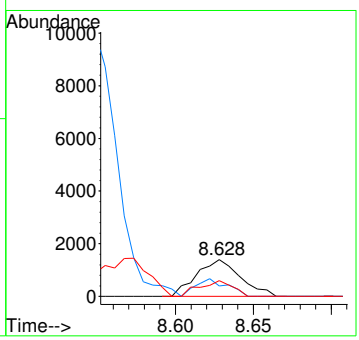


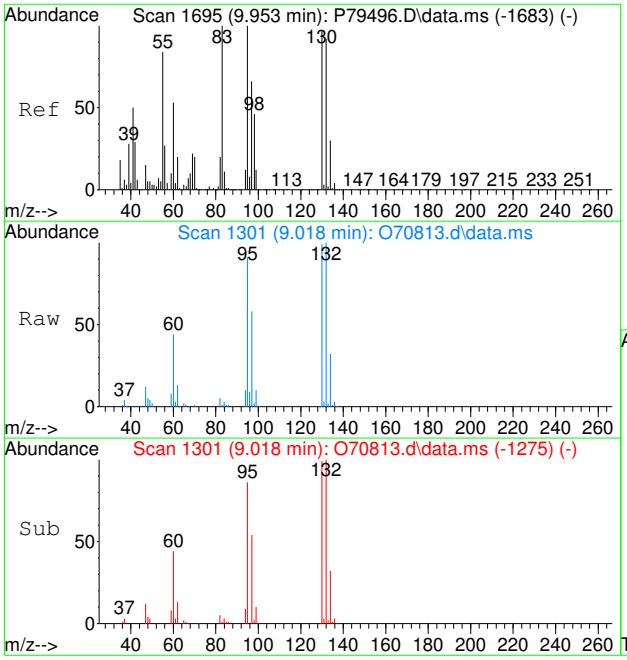


#51
1,2-Dichloroethane
Concen: 0.33 ug/L
RT: 8.628 min Scan# 1237
Delta R.T. 0.006 min
Lab File: O70813.d
Acq: 1 Sep 2022 6:09 pm

Tgt Ion: 62 Resp: 2728

Ion	Ratio	Lower	Upper
62	100		
49	28.2	0.0	57.9
64	42.9	3.4	63.4

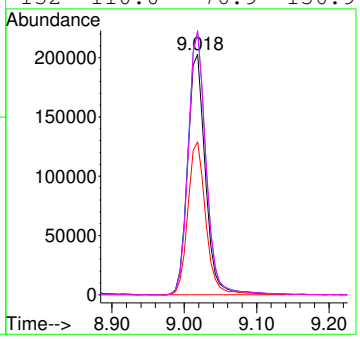




#53
Trichloroethene
Concen: 60.71 ug/L
RT: 9.018 min Scan# 1301
Delta R.T. 0.006 min
Lab File: O70813.d
Acq: 1 Sep 2022 6:09 pm

Tgt Ion: 95 Resp: 348554

Ion	Ratio	Lower	Upper
95	100		
130	109.1	76.0	136.0
97	63.6	37.2	97.2
132	110.0	76.9	136.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70814.d
Acq On : 1 Sep 2022 6:34 pm
Operator : joannel
Sample : FA98452-2
Misc : MS52309,VO2808,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 02 01:39:42 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

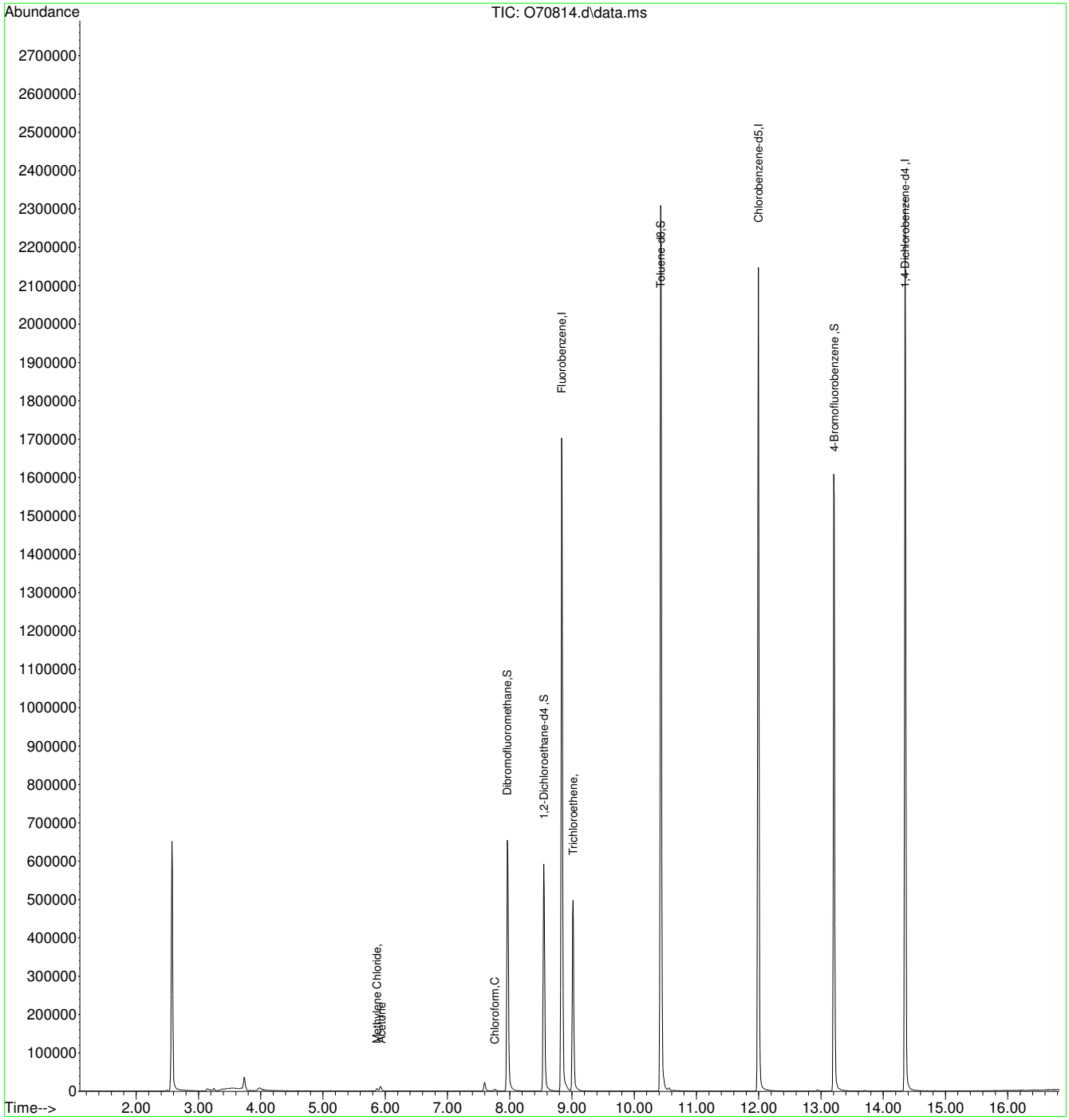
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		8.835	96	1340650	50.00	ug/L	0.00
62) Chlorobenzene-d5		11.993	117	1094155	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		14.352	152	551626	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		7.963	113	363496	48.03	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	96.06%		
50) 1,2-Dichloroethane-d4		8.549	65	389003	49.97	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	99.94%		
63) Toluene-d8		10.426	98	1330774	48.51	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	97.02%		
86) 4-Bromofluorobenzene		13.212	174	441752	50.01	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	100.02%		
Target Compounds							Qvalue
18) Methylene Chloride		5.866	49	4125	0.58	ug/L	92
19) Acetone		5.939	43	3353	2.22	ug/L	92
36) Chloroform		7.762	83	3586	0.36	ug/L	91
53) Trichloroethene		9.018	95	146508	26.03	ug/L	97

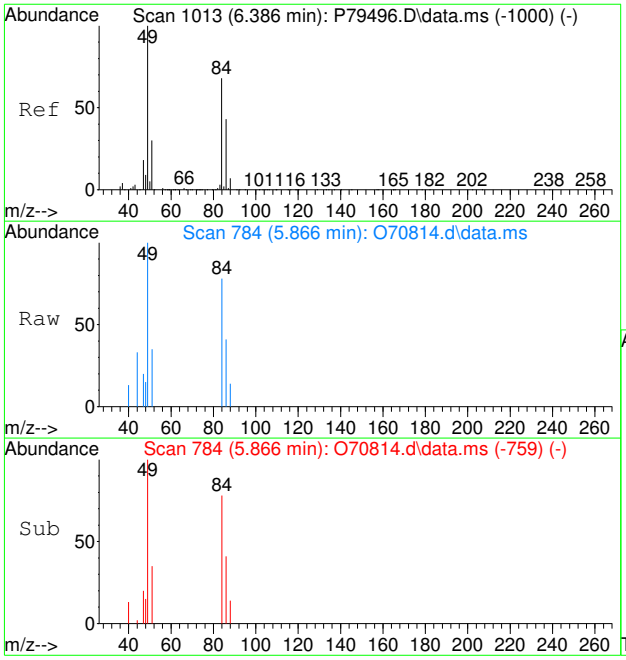
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70814.d
Acq On : 1 Sep 2022 6:34 pm
Operator : joannel
Sample : FA98452-2
Misc : MS52309,VO2808,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 02 01:39:42 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

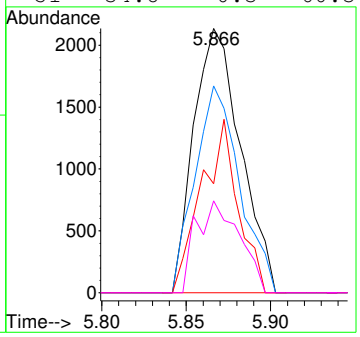


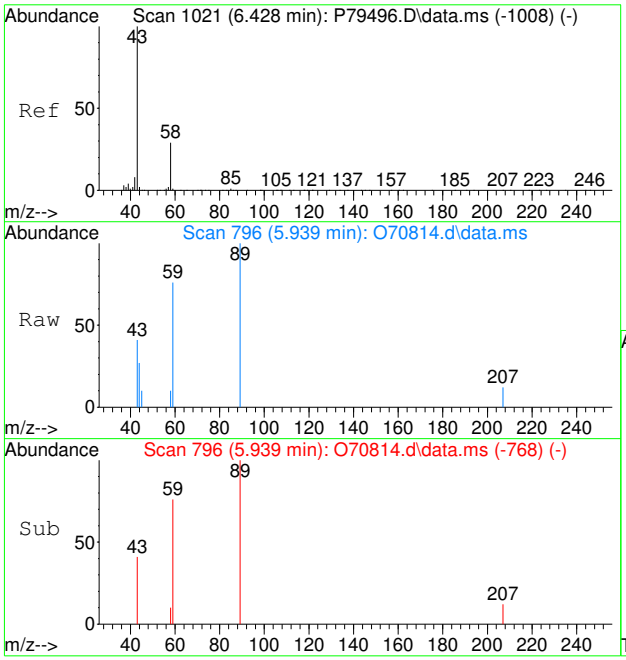


#18
Methylene Chloride
Concen: 0.58 ug/L
RT: 5.866 min Scan# 784
Delta R.T. 0.000 min
Lab File: O70814.d
Acq: 1 Sep 2022 6:34 pm

Tgt Ion: 49 Resp: 4125

Ion	Ratio	Lower	Upper
49	100		
84	78.3	44.6	104.6
86	41.2	20.5	80.5
51	34.8	0.3	60.3

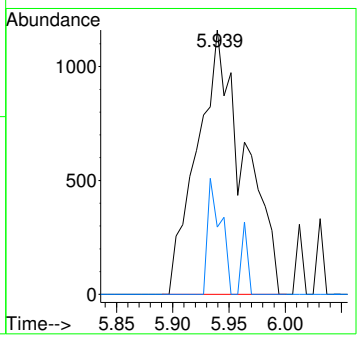


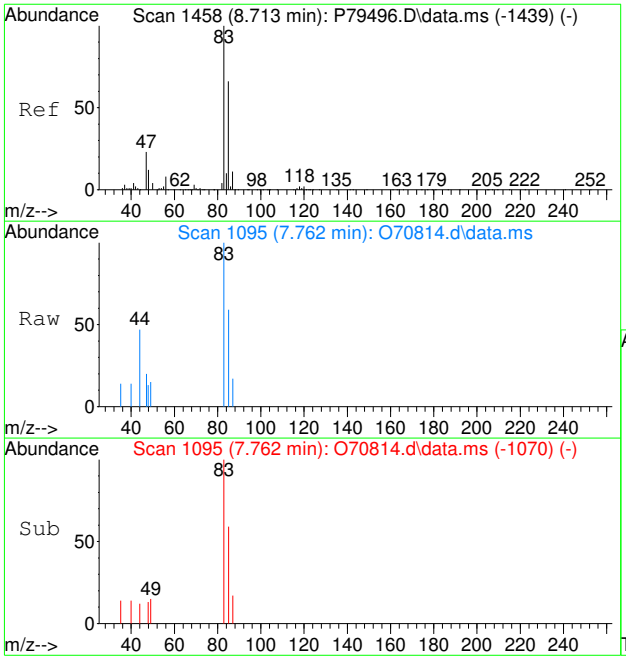


#19
Acetone
Concen: 2.22 ug/L
RT: 5.939 min Scan# 796
Delta R.T. 0.018 min
Lab File: O70814.d
Acq: 1 Sep 2022 6:34 pm

Tgt Ion: 43 Resp: 3353

Ion	Ratio	Lower	Upper
43	100		
58	25.5	0.1	60.1

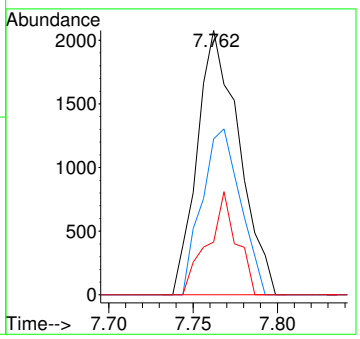


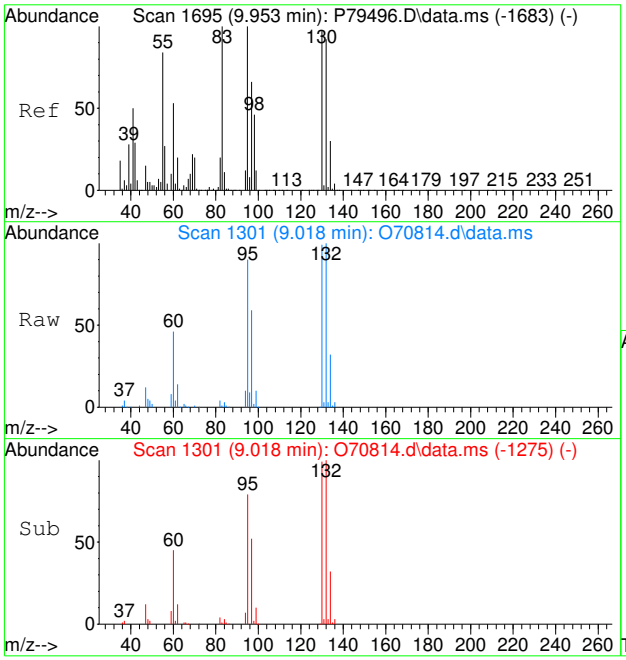


#36
Chloroform
Concen: 0.36 ug/L
RT: 7.762 min Scan# 1095
Delta R.T. 0.000 min
Lab File: O70814.d
Acq: 1 Sep 2022 6:34 pm

Tgt Ion: 83 Resp: 3586

Ion	Ratio	Lower	Upper
83	100		
85	58.9	35.3	95.3
47	19.9	0.0	54.9

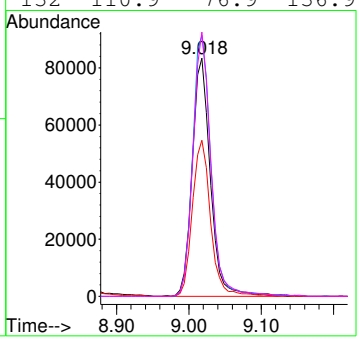




#53
Trichloroethene
Concen: 26.03 ug/L
RT: 9.018 min Scan# 1301
Delta R.T. 0.006 min
Lab File: O70814.d
Acq: 1 Sep 2022 6:34 pm

Tgt Ion: 95 Resp: 146508

Ion	Ratio	Lower	Upper
95	100		
130	109.4	76.0	136.0
97	65.5	37.2	97.2
132	110.9	76.9	136.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70834.d
Acq On : 2 Sep 2022 3:42 pm
Operator : joannel
Sample : FA98452-2
Misc : MS52309,VO2809,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 04 21:09:03 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

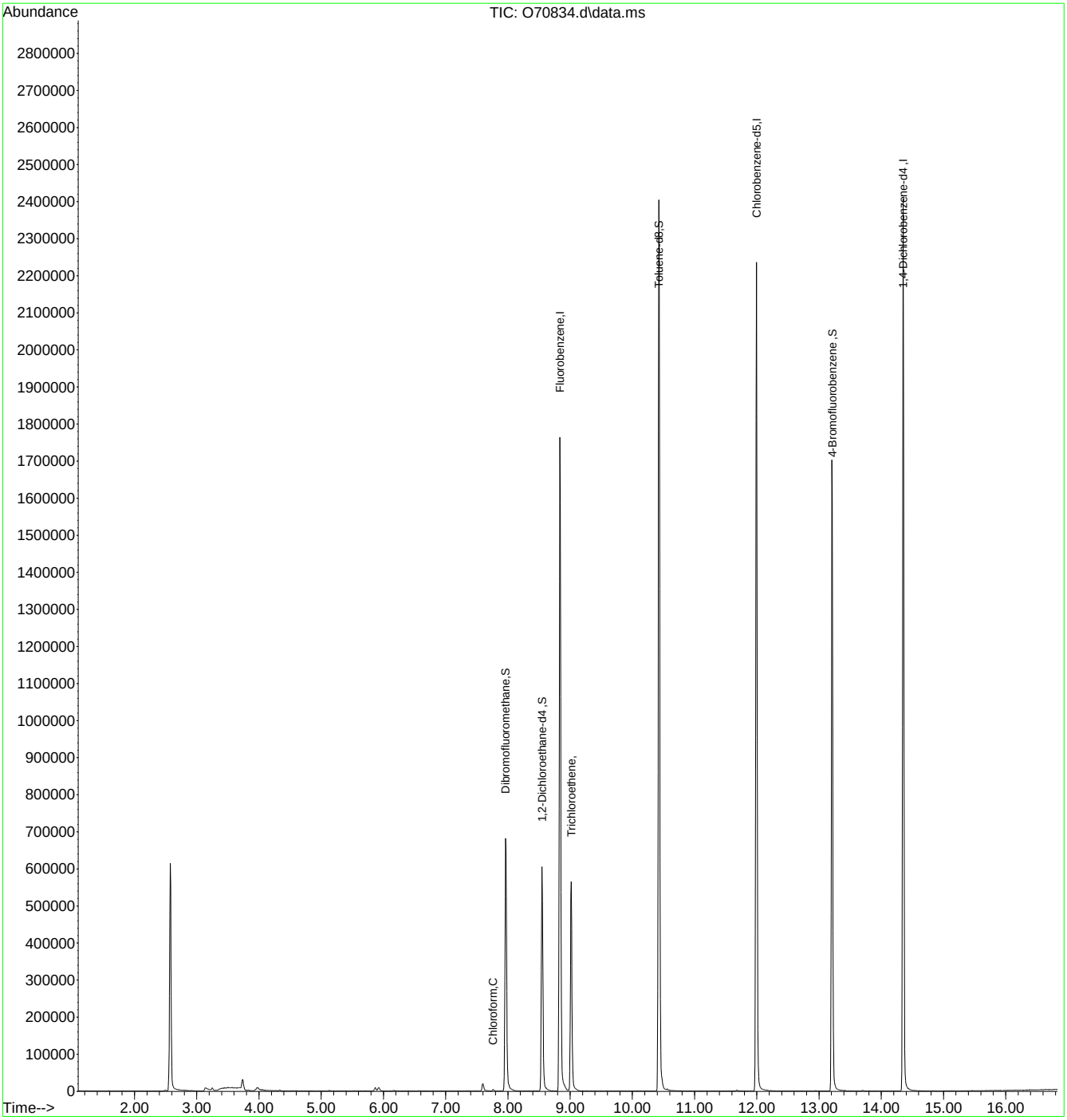
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1396425	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1132669	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	575246	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	376520	47.76	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.52%			
50) 1,2-Dichloroethane-d4	8.549	65	396687	48.92	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.84%			
63) Toluene-d8	10.426	98	1395497	49.14	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.28%			
86) 4-Bromofluorobenzene	13.212	174	459175	49.85	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.70%			
Target Compounds						Qvalue
36) Chloroform	7.762	83	3503	0.34	ug/L	85
53) Trichloroethene	9.018	95	163808	27.90	ug/L	96

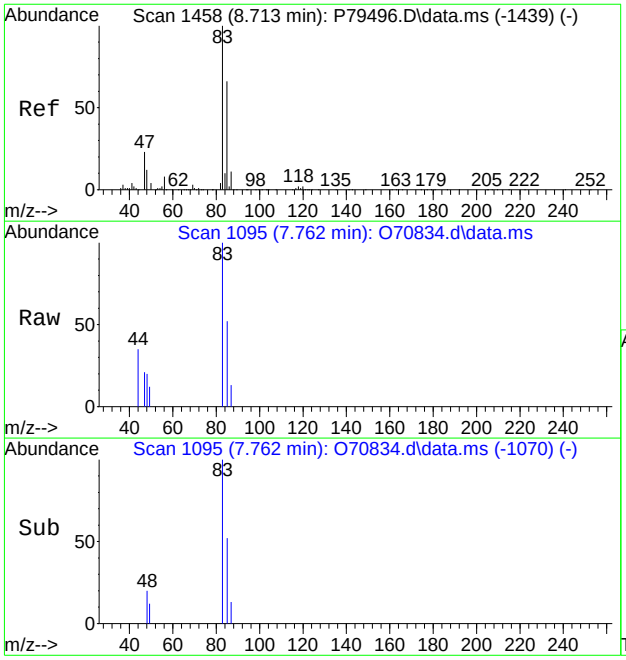
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70834.d
Acq On : 2 Sep 2022 3:42 pm
Operator : joannel
Sample : FA98452-2
Misc : MS52309,VO2809,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 04 21:09:03 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

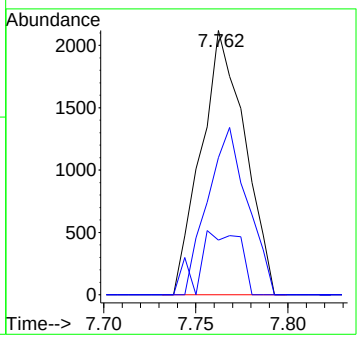


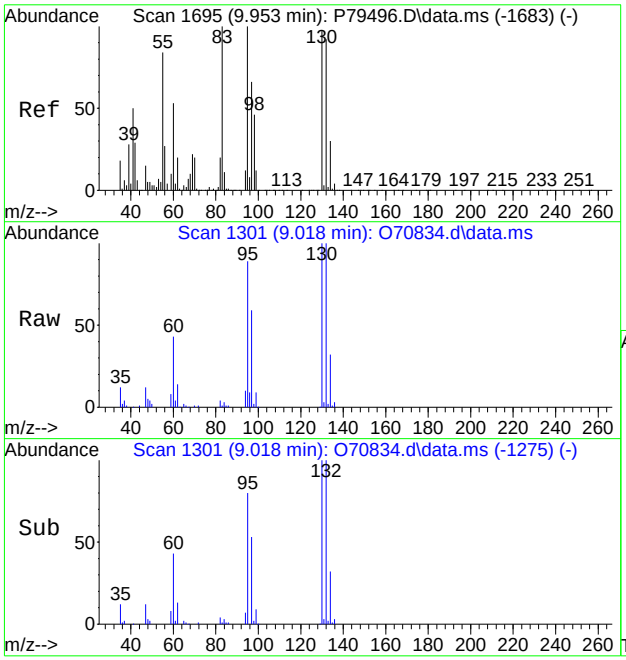


#36
Chloroform
Concen: 0.34 ug/L
RT: 7.762 min Scan# 1095
Delta R.T. 0.000 min
Lab File: O70834.d
Acq: 2 Sep 2022 3:42 pm

Tgt Ion: 83 Resp: 3503

Ion	Ratio	Lower	Upper
83	100		
85	51.9	35.3	95.3
47	20.7	0.0	54.9

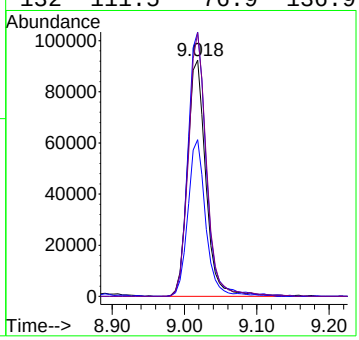




#53
Trichloroethene
Concen: 27.90 ug/L
RT: 9.018 min Scan# 1301
Delta R.T. 0.006 min
Lab File: O70834.d
Acq: 2 Sep 2022 3:42 pm

Tgt Ion: 95 Resp: 163808

Ion	Ratio	Lower	Upper
95	100		
130	111.9	76.0	136.0
97	66.3	37.2	97.2
132	111.5	76.9	136.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70815.d
Acq On : 1 Sep 2022 6:59 pm
Operator : joannel
Sample : FA98452-3
Misc : MS52309,VO2808,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 02 01:40:15 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

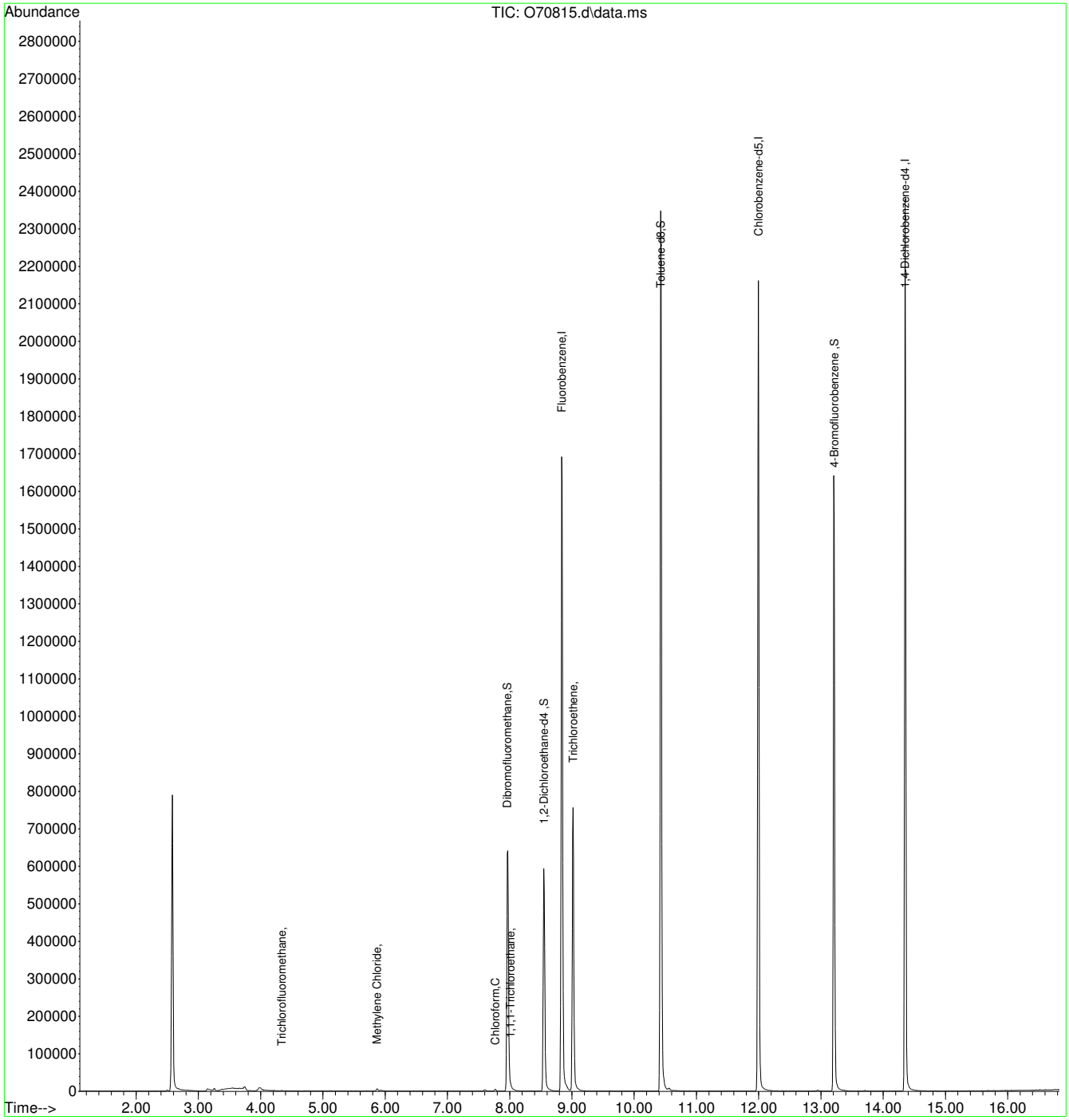
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1365188	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1105376	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	560814	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	370052	48.02	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.04%			
50) 1,2-Dichloroethane-d4	8.549	65	398442	50.26	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.52%			
63) Toluene-d8	10.426	98	1357002	48.97	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.94%			
86) 4-Bromofluorobenzene	13.212	174	440449	49.05	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.10%			
Target Compounds						Qvalue
8) Trichlorofluoromethane	4.336	101	1150	0.12	ug/L	77
18) Methylene Chloride	5.866	49	3780	0.52	ug/L	87
36) Chloroform	7.768	83	4204	0.41	ug/L	92
41) 1,1,1-Trichloroethane	8.012	97	3669	0.41	ug/L	96
53) Trichloroethene	9.018	95	220292	38.12	ug/L	97

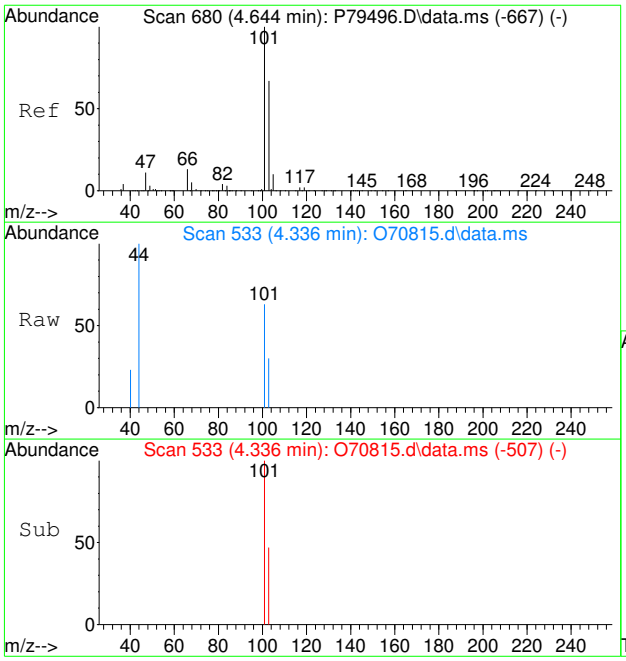
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70815.d
Acq On : 1 Sep 2022 6:59 pm
Operator : joannel
Sample : FA98452-3
Misc : MS52309,VO2808,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 02 01:40:15 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

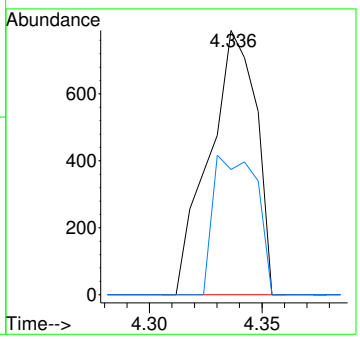


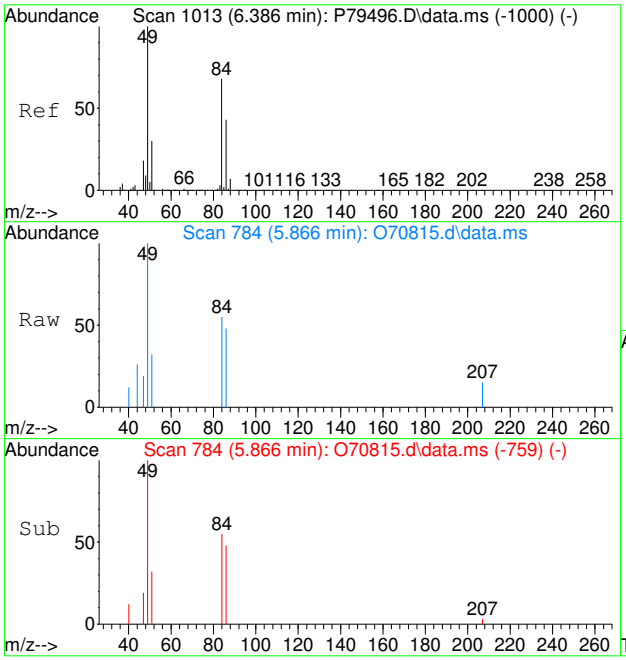


#8
Trichlorofluoromethane
Concen: 0.12 ug/L
RT: 4.336 min Scan# 533
Delta R.T. 0.006 min
Lab File: O70815.d
Acq: 1 Sep 2022 6:59 pm

Tgt Ion:101 Resp: 1150

Ion	Ratio	Lower	Upper
101	100		
103	47.3	35.4	95.4

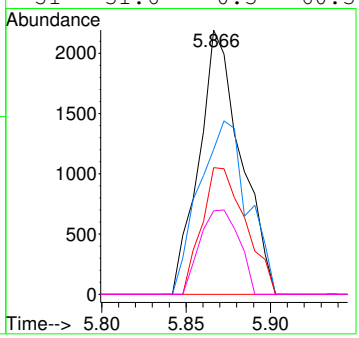


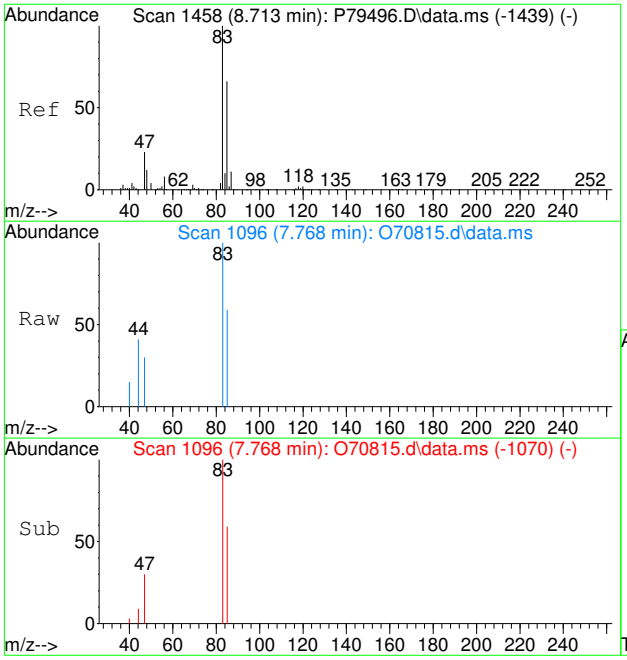


#18
Methylene Chloride
Concen: 0.52 ug/L
RT: 5.866 min Scan# 784
Delta R.T. 0.000 min
Lab File: O70815.d
Acq: 1 Sep 2022 6:59 pm

Tgt Ion: 49 Resp: 3780

Ion	Ratio	Lower	Upper
49	100		
84	54.8	44.6	104.6
86	47.9	20.5	80.5
51	31.6	0.3	60.3

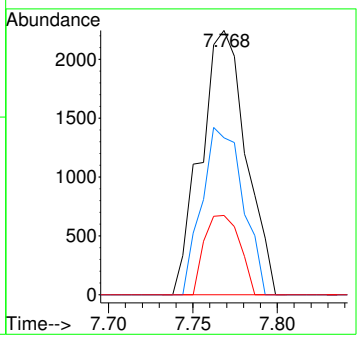


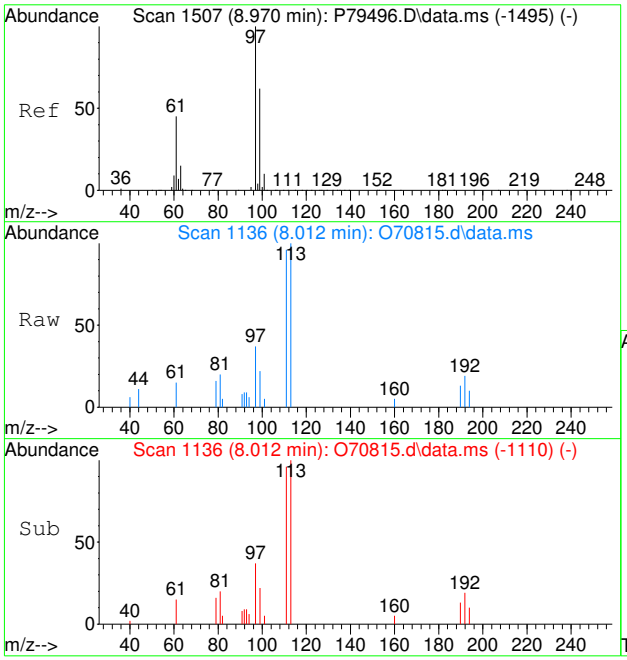


#36
Chloroform
Concen: 0.41 ug/L
RT: 7.768 min Scan# 1096
Delta R.T. 0.006 min
Lab File: O70815.d
Acq: 1 Sep 2022 6:59 pm

Tgt Ion: 83 Resp: 4204

Ion	Ratio	Lower	Upper
83	100		
85	59.3	35.3	95.3
47	30.0	0.0	54.9

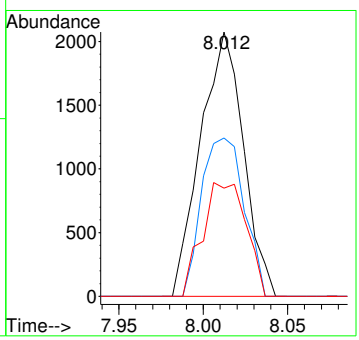


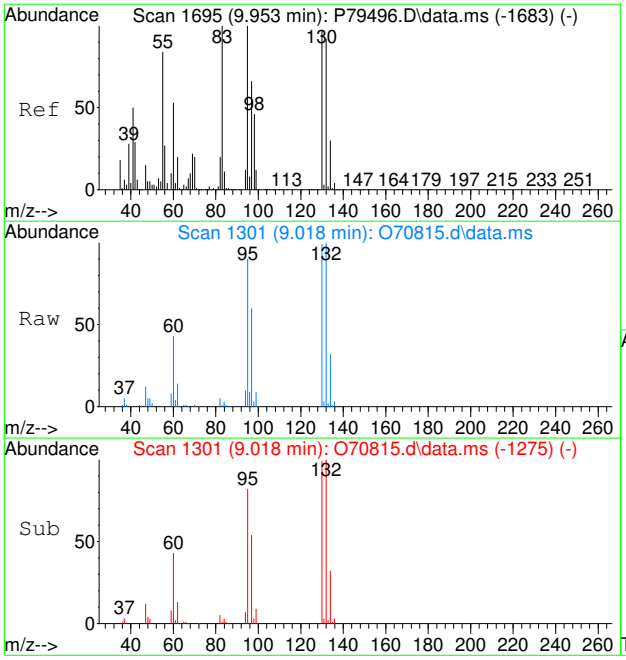


#41
1,1,1-Trichloroethane
Concen: 0.41 ug/L
RT: 8.012 min Scan# 1136
Delta R.T. 0.006 min
Lab File: O70815.d
Acq: 1 Sep 2022 6:59 pm

Tgt Ion: 97 Resp: 3669

Ion	Ratio	Lower	Upper
97	100		
99	59.9	33.2	93.2
61	41.0	12.6	72.6

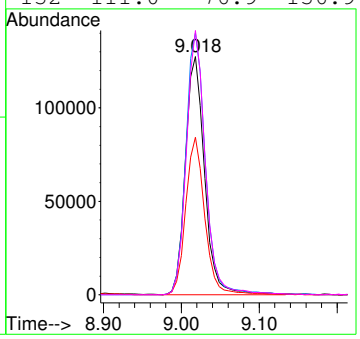




#53
Trichloroethene
Concen: 38.12 ug/L
RT: 9.018 min Scan# 1301
Delta R.T. 0.006 min
Lab File: O70815.d
Acq: 1 Sep 2022 6:59 pm

Tgt Ion: 95 Resp: 220292

Ion	Ratio	Lower	Upper
95	100		
130	109.9	76.0	136.0
97	66.1	37.2	97.2
132	111.0	76.9	136.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70816.d
Acq On : 1 Sep 2022 7:24 pm
Operator : joannel
Sample : FA98452-4
Misc : MS52309,VO2808,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 02 01:40:42 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

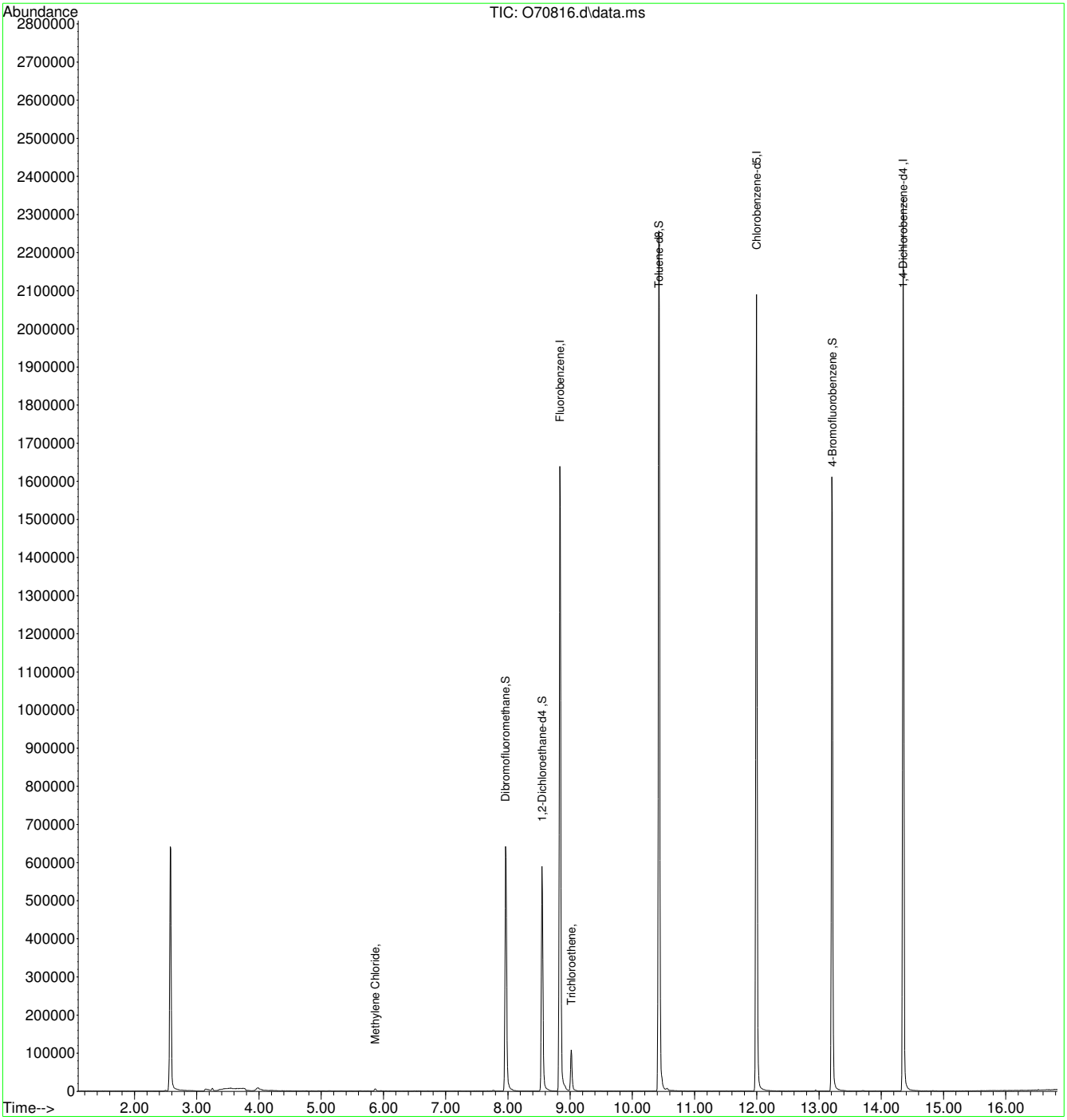
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1309455	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1069375	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	544865	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	351774	47.59	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.18%			
50) 1,2-Dichloroethane-d4	8.549	65	387611	50.97	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.94%			
63) Toluene-d8	10.427	98	1307502	48.77	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.54%			
86) 4-Bromofluorobenzene	13.213	174	435567	49.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.84%			
Target Compounds						Qvalue
18) Methylene Chloride	5.867	49	4160	0.59	ug/L	83
53) Trichloroethene	9.018	95	32996	6.08	ug/L	97

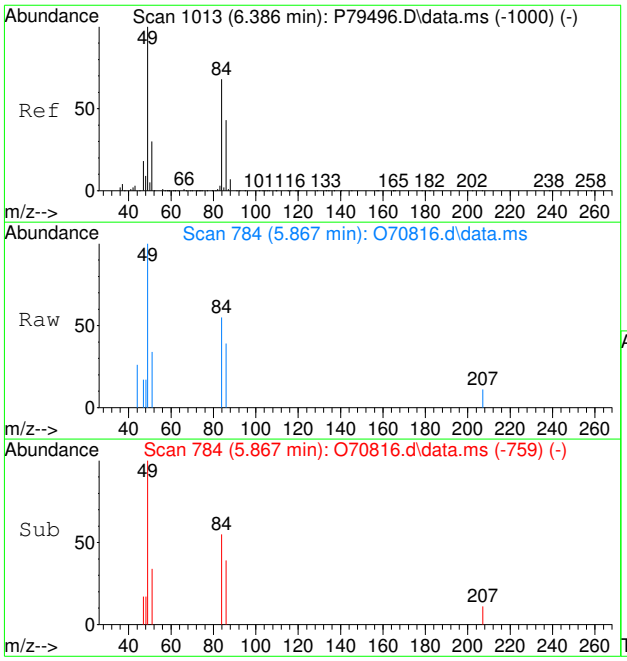
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70816.d
Acq On : 1 Sep 2022 7:24 pm
Operator : joannel
Sample : FA98452-4
Misc : MS52309,VO2808,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 02 01:40:42 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

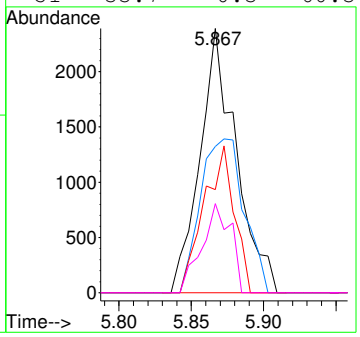


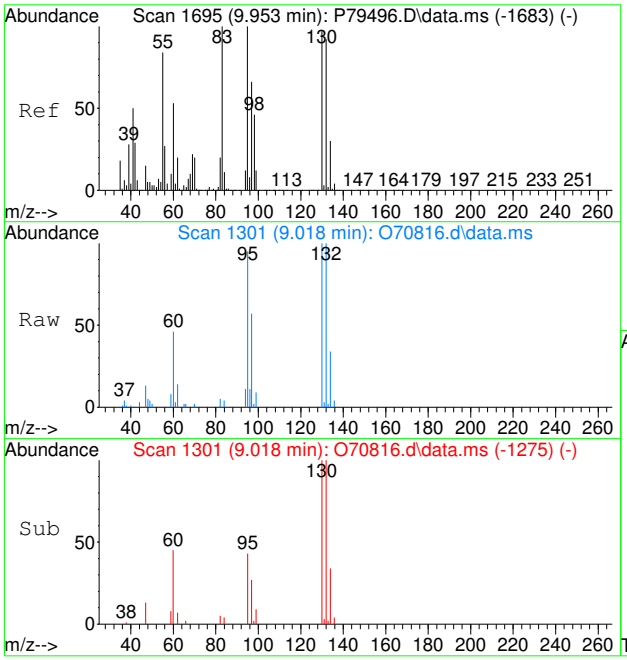


#18
Methylene Chloride
Concen: 0.59 ug/L
RT: 5.867 min Scan# 784
Delta R.T. 0.001 min
Lab File: O70816.d
Acq: 1 Sep 2022 7:24 pm

Tgt Ion: 49 Resp: 4160

Ion	Ratio	Lower	Upper
49	100		
84	55.4	44.6	104.6
86	39.0	20.5	80.5
51	33.7	0.3	60.3

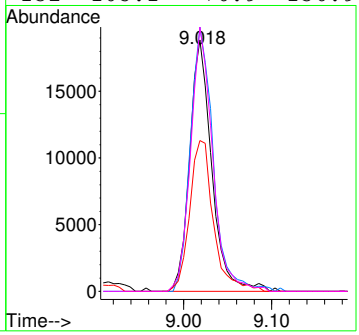




#53
Trichloroethene
Concen: 6.08 ug/L
RT: 9.018 min Scan# 1301
Delta R.T. 0.006 min
Lab File: O70816.d
Acq: 1 Sep 2022 7:24 pm

Tgt Ion: 95 Resp: 32996

Ion	Ratio	Lower	Upper
95	100		
130	105.2	76.0	136.0
97	60.0	37.2	97.2
132	105.1	76.9	136.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70835.d
Acq On : 2 Sep 2022 4:07 pm
Operator : joannel
Sample : FA98452-4
Misc : MS52309,VO2809,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 04 21:09:46 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

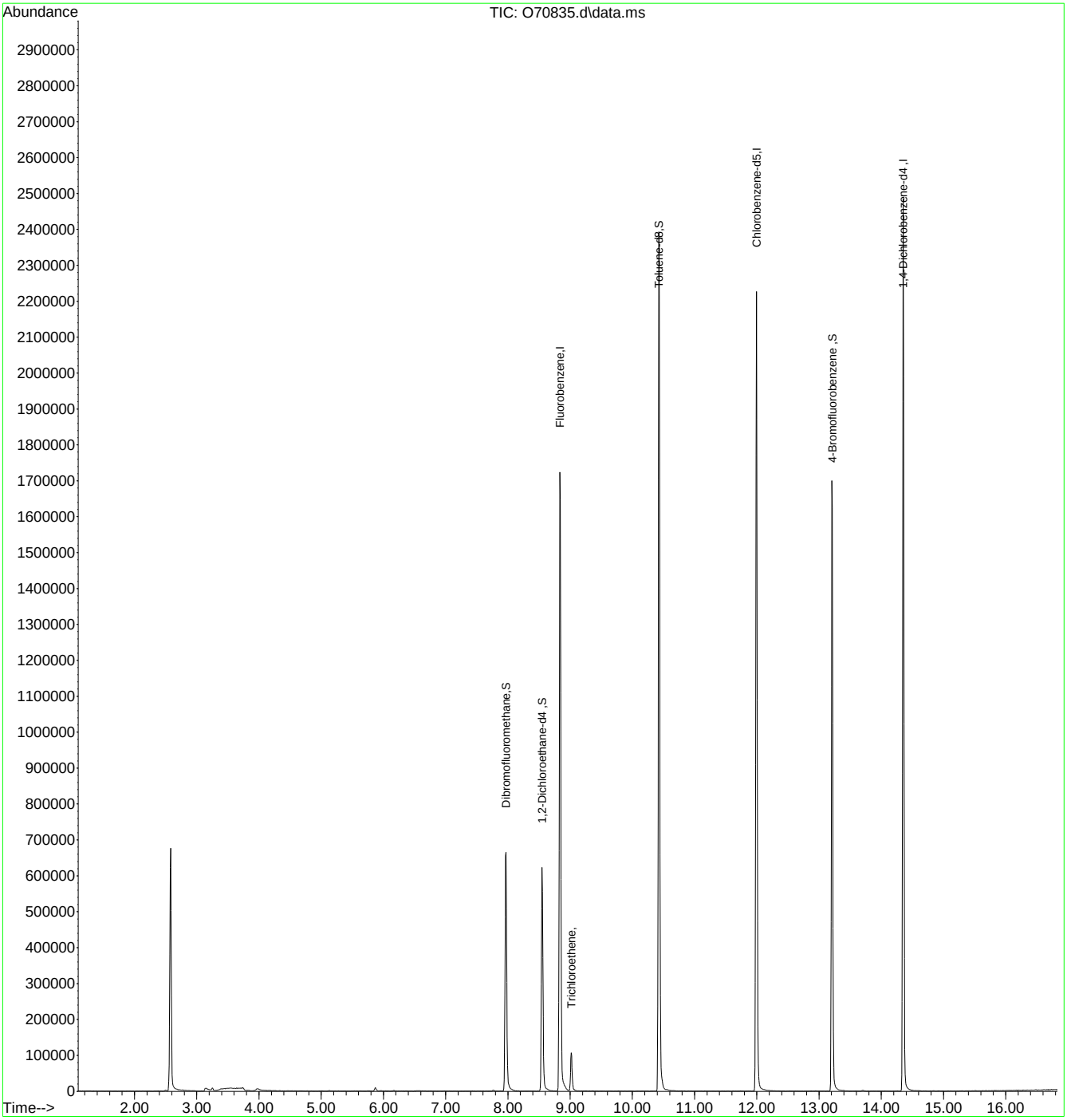
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		8.835	96	1382642	50.00	ug/L	0.00
62) Chlorobenzene-d5		11.993	117	1141988	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		14.353	152	586308	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		7.970	113	377351	48.35	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	96.70%		
50) 1,2-Dichloroethane-d4		8.549	65	407806	50.79	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	101.58%		
63) Toluene-d8		10.427	98	1390035	48.55	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	97.10%		
86) 4-Bromofluorobenzene		13.213	174	462139	49.23	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	98.46%		
Target Compounds							Qvalue
53) Trichloroethene		9.018	95	32886	5.74	ug/L	95

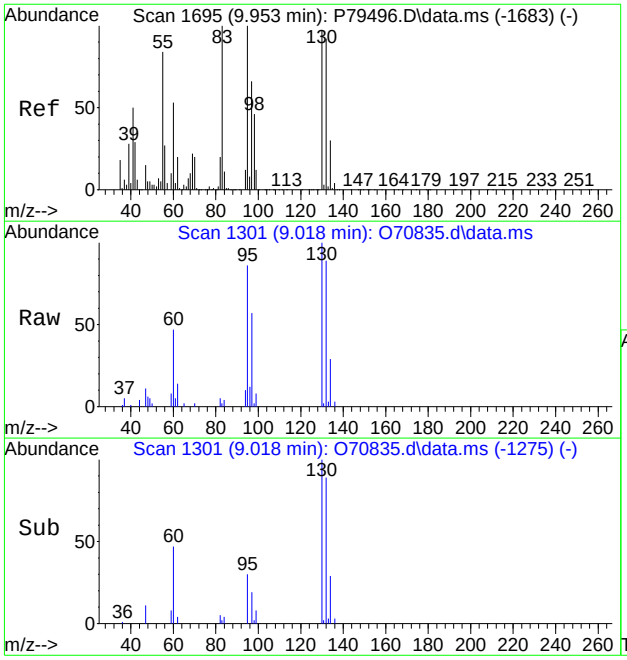
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70835.d
Acq On : 2 Sep 2022 4:07 pm
Operator : joannel
Sample : FA98452-4
Misc : MS52309,VO2809,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 04 21:09:46 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

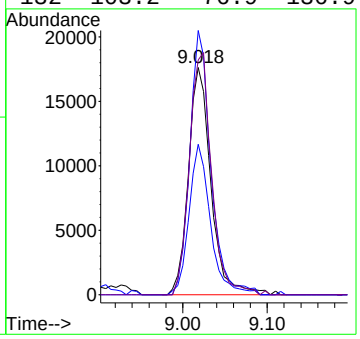




#53
Trichloroethene
Concen: 5.74 ug/L
RT: 9.018 min Scan# 1301
Delta R.T. 0.006 min
Lab File: O70835.d
Acq: 2 Sep 2022 4:07 pm

Tgt Ion: 95 Resp: 32886

Ion	Ratio	Lower	Upper
95	100		
130	116.3	76.0	136.0
97	66.1	37.2	97.2
132	103.2	76.9	136.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70817.d
Acq On : 1 Sep 2022 7:49 pm
Operator : joannel
Sample : FA98452-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 02 01:41:01 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

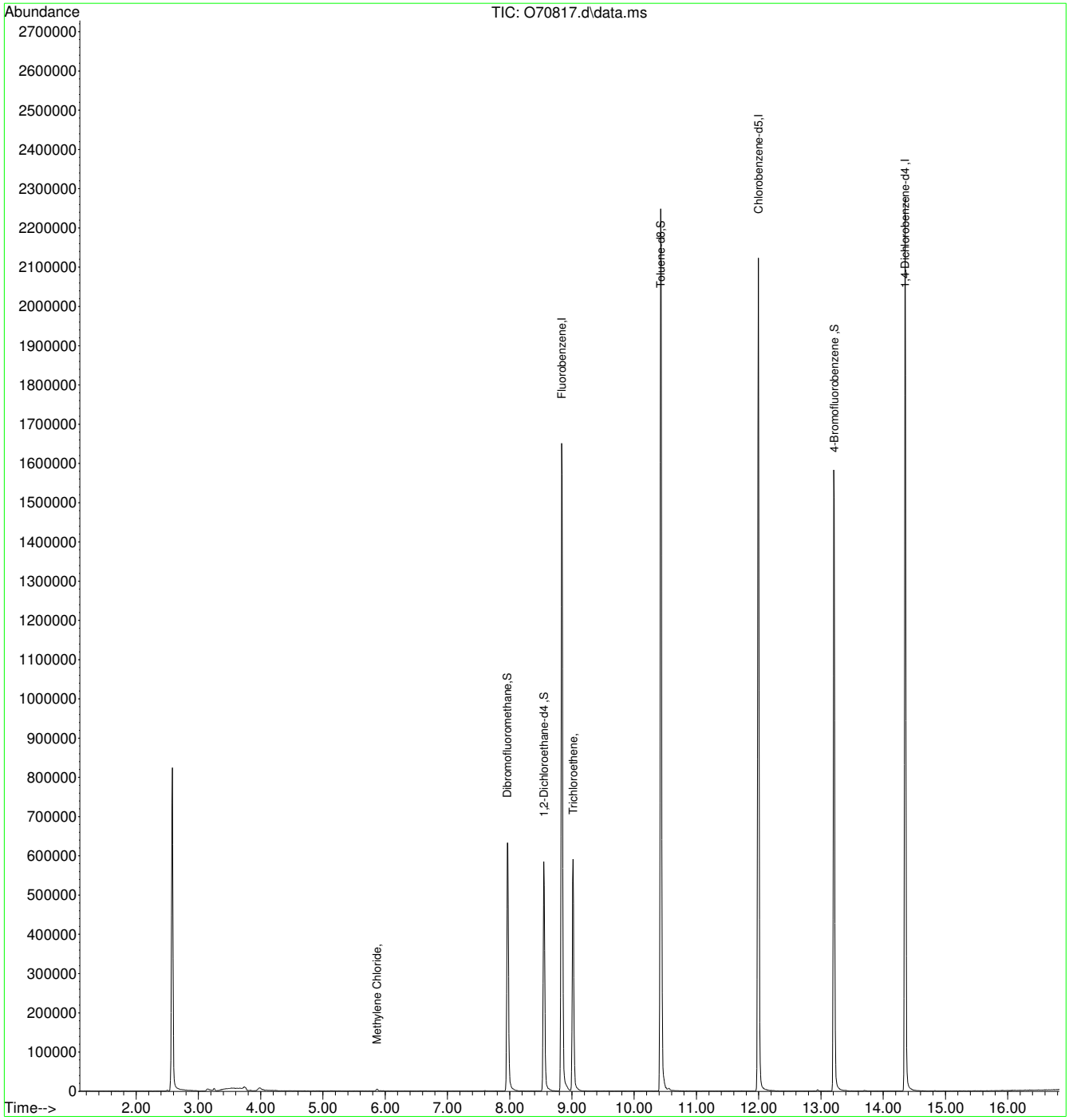
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1327042	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1077667	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	545075	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	356889	47.64	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	95.28%		
50) 1,2-Dichloroethane-d4	8.549	65	383639	49.78	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	99.56%		
63) Toluene-d8	10.427	98	1321795	48.92	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	97.84%		
86) 4-Bromofluorobenzene	13.213	174	436033	49.96	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.92%		
Target Compounds						Qvalue
18) Methylene Chloride	5.866	49	3580	0.51	ug/L	95
53) Trichloroethene	9.018	95	174627	31.23	ug/L	95

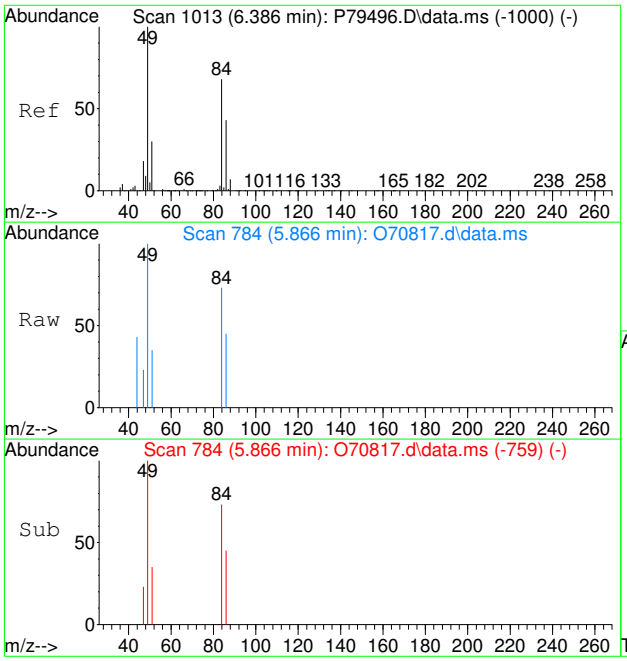
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70817.d
Acq On : 1 Sep 2022 7:49 pm
Operator : joannel
Sample : FA98452-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 02 01:41:01 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

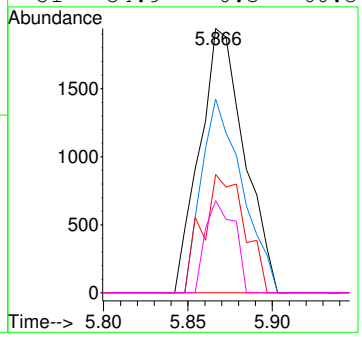


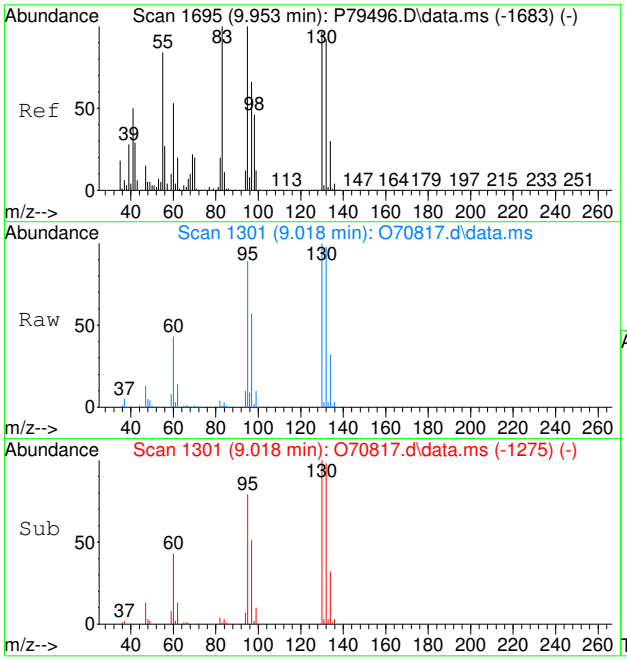


#18
Methylene Chloride
Concen: 0.51 ug/L
RT: 5.866 min Scan# 784
Delta R.T. 0.000 min
Lab File: O70817.d
Acq: 1 Sep 2022 7:49 pm

Tgt Ion: 49 Resp: 3580

Ion	Ratio	Lower	Upper
49	100		
84	73.3	44.6	104.6
86	44.7	20.5	80.5
51	34.9	0.3	60.3

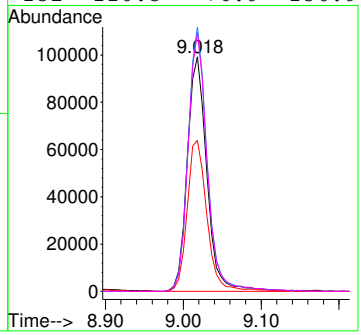




#53
Trichloroethene
Concen: 31.23 ug/L
RT: 9.018 min Scan# 1301
Delta R.T. 0.006 min
Lab File: O70817.d
Acq: 1 Sep 2022 7:49 pm

Tgt Ion: 95 Resp: 174627

Ion	Ratio	Lower	Upper
95	100		
130	112.8	76.0	136.0
97	64.4	37.2	97.2
132	110.3	76.9	136.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70818.d
Acq On : 1 Sep 2022 8:14 pm
Operator : joannel
Sample : FA98452-6
Misc : MS52309,VO2808,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 02 01:41:21 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

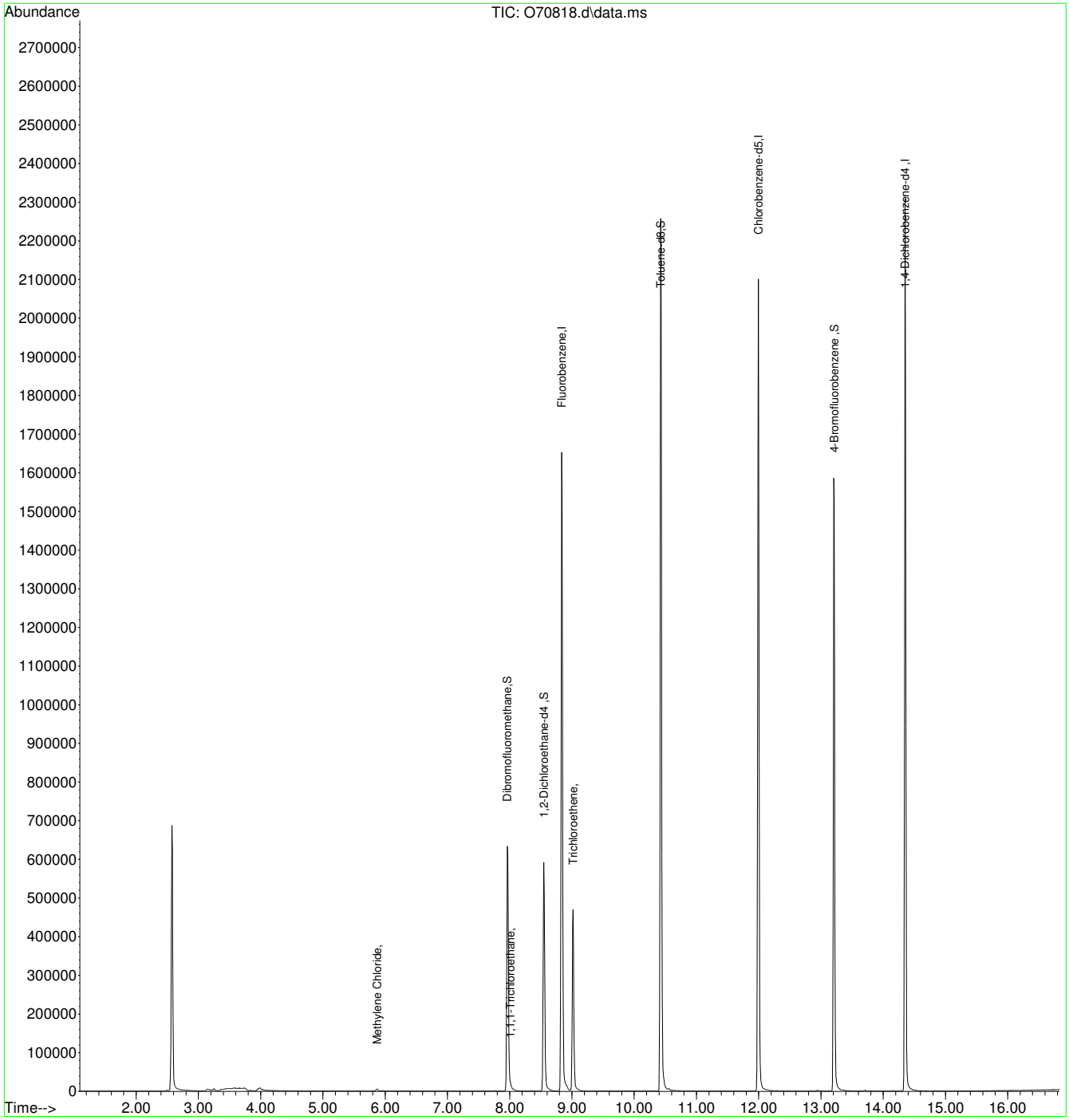
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		8.835	96	1318907	50.00	ug/L	0.00
62) Chlorobenzene-d5		11.993	117	1067581	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		14.352	152	540732	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		7.963	113	356289	47.85	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	95.70%		
50) 1,2-Dichloroethane-d4		8.549	65	385764	50.37	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	100.74%		
63) Toluene-d8		10.426	98	1300604	48.59	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	97.18%		
86) 4-Bromofluorobenzene		13.212	174	429630	49.62	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	99.24%		
Target Compounds							Qvalue
18) Methylene Chloride		5.872	49	3490	0.50	ug/L	89
41) 1,1,1-Trichloroethane		8.012	97	3652	0.42	ug/L	89
53) Trichloroethene		9.018	95	139041	25.12	ug/L	97

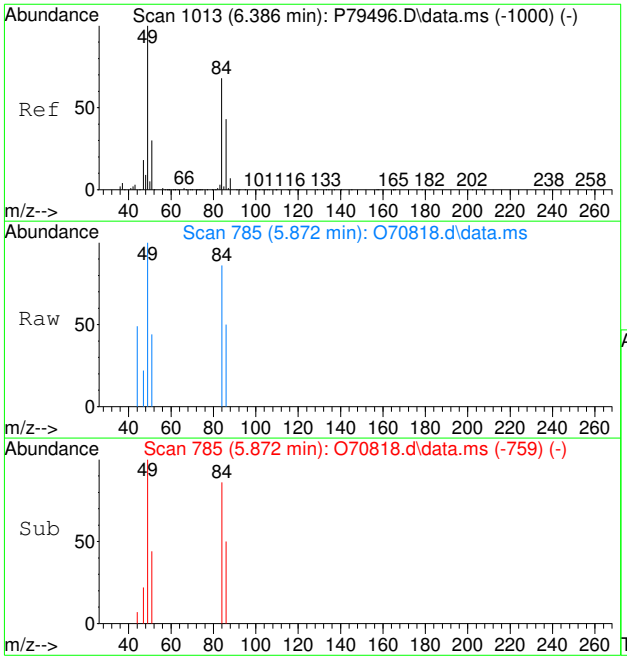
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70818.d
Acq On : 1 Sep 2022 8:14 pm
Operator : joannel
Sample : FA98452-6
Misc : MS52309,VO2808,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 02 01:41:21 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

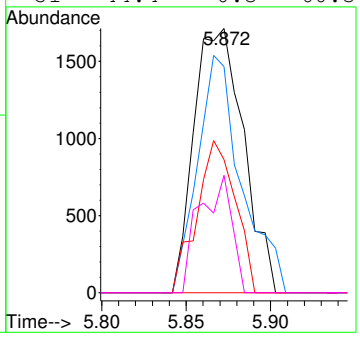


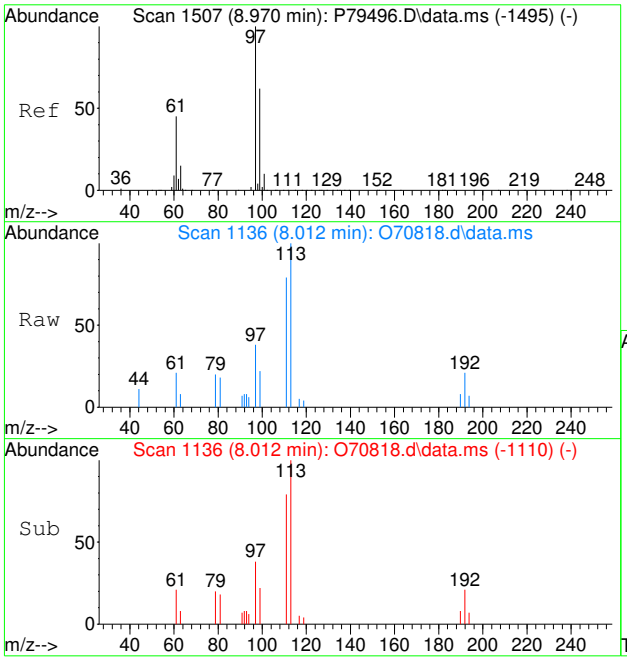


#18
Methylene Chloride
Concen: 0.50 ug/L
RT: 5.872 min Scan# 785
Delta R.T. 0.006 min
Lab File: O70818.d
Acq: 1 Sep 2022 8:14 pm

Tgt Ion: 49 Resp: 3490

Ion	Ratio	Lower	Upper
49	100		
84	85.5	44.6	104.6
86	50.4	20.5	80.5
51	44.4	0.3	60.3

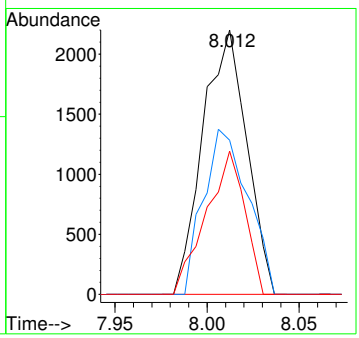


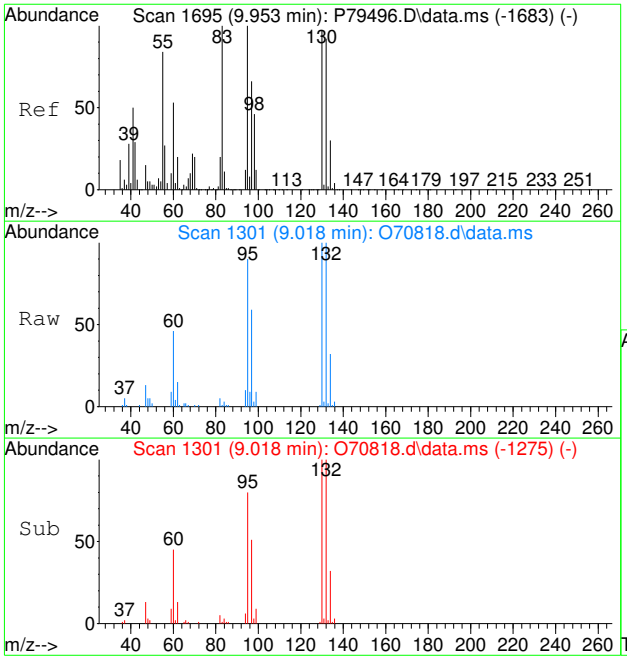


#41
1,1,1-Trichloroethane
Concen: 0.42 ug/L
RT: 8.012 min Scan# 1136
Delta R.T. 0.006 min
Lab File: O70818.d
Acq: 1 Sep 2022 8:14 pm

Tgt Ion: 97 Resp: 3652

Ion	Ratio	Lower	Upper
97	100		
99	58.3	33.2	93.2
61	54.2	12.6	72.6

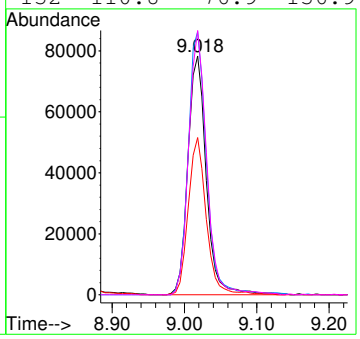




#53
Trichloroethene
Concen: 25.12 ug/L
RT: 9.018 min Scan# 1301
Delta R.T. 0.006 min
Lab File: O70818.d
Acq: 1 Sep 2022 8:14 pm

Tgt Ion: 95 Resp: 139041

Ion	Ratio	Lower	Upper
95	100		
130	110.2	76.0	136.0
97	65.8	37.2	97.2
132	110.8	76.9	136.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70819.d
Acq On : 1 Sep 2022 8:38 pm
Operator : joannel
Sample : FA98452-7
Misc : MS52309,VO2808,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 02 01:41:43 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

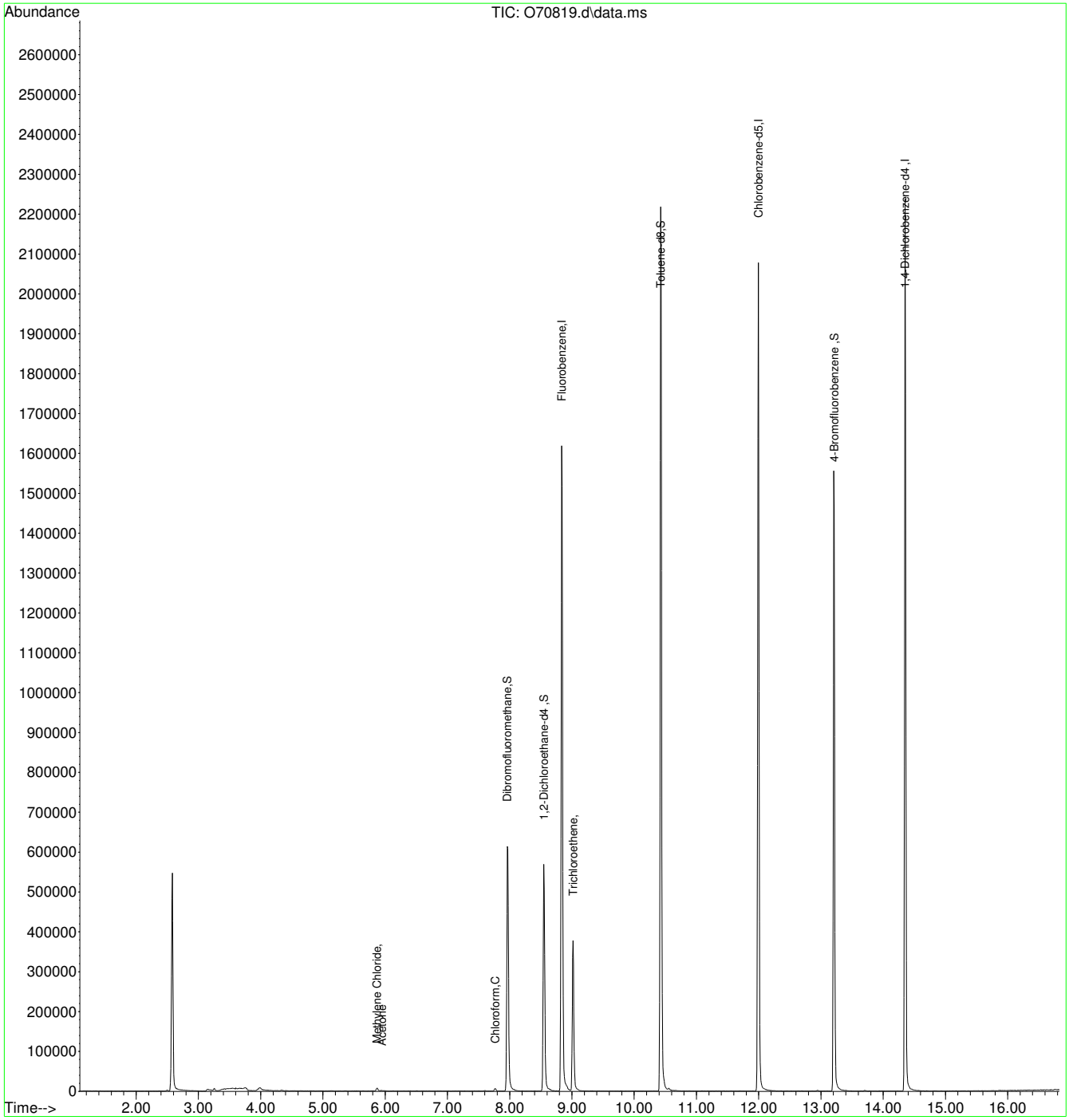
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1301122	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1043928	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	523096	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	349658	47.60	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	95.20%		
50) 1,2-Dichloroethane-d4	8.549	65	373378	49.42	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	98.84%		
63) Toluene-d8	10.427	98	1291367	49.34	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	98.68%		
86) 4-Bromofluorobenzene	13.213	174	417692	49.87	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.74%		
Target Compounds						Qvalue
18) Methylene Chloride	5.866	49	5190	0.75	ug/L	93
19) Acetone	5.946	43	2566	1.75	ug/L	96
36) Chloroform	7.769	83	5376	0.55	ug/L	88
53) Trichloroethene	9.018	95	111771	20.54	ug/L	97

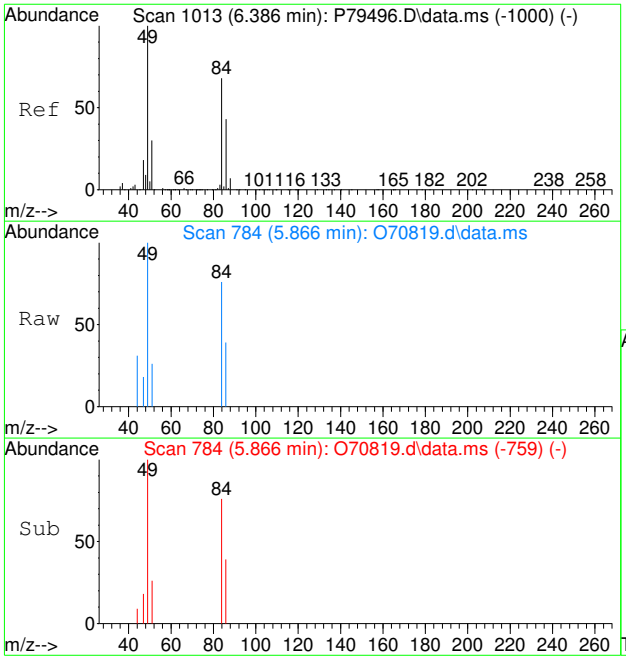
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70819.d
Acq On : 1 Sep 2022 8:38 pm
Operator : joannel
Sample : FA98452-7
Misc : MS52309,VO2808,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 02 01:41:43 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

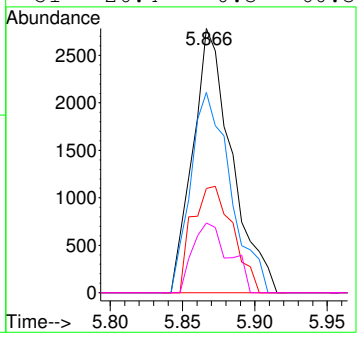


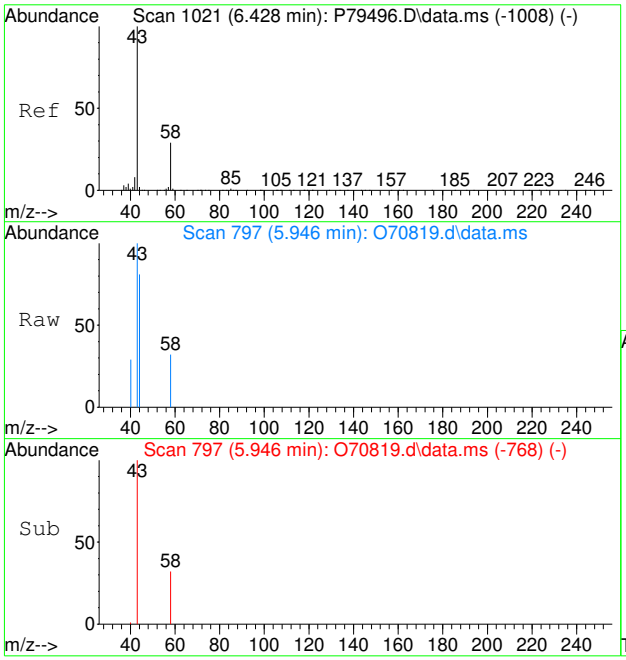


#18
Methylene Chloride
Concen: 0.75 ug/L
RT: 5.866 min Scan# 784
Delta R.T. 0.000 min
Lab File: O70819.d
Acq: 1 Sep 2022 8:38 pm

Tgt Ion: 49 Resp: 5190

Ion	Ratio	Lower	Upper
49	100		
84	75.8	44.6	104.6
86	39.4	20.5	80.5
51	26.4	0.3	60.3

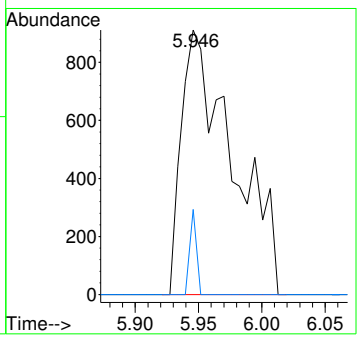


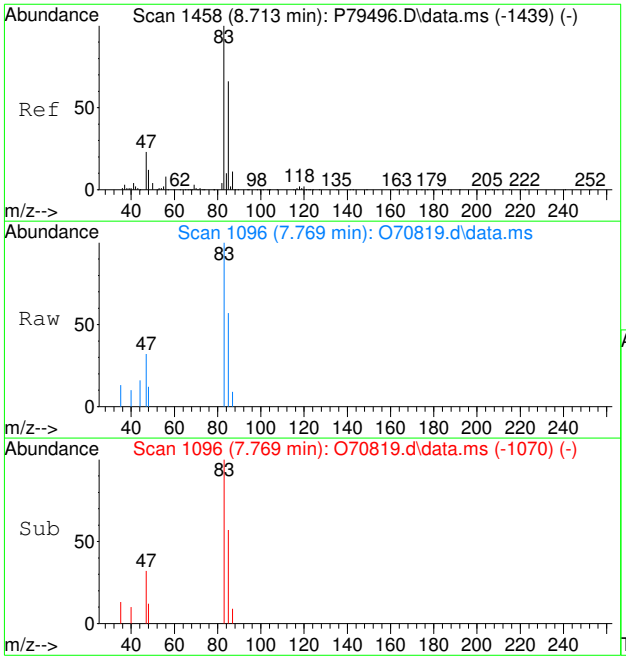


#19
Acetone
Concen: 1.75 ug/L
RT: 5.946 min Scan# 797
Delta R.T. 0.025 min
Lab File: O70819.d
Acq: 1 Sep 2022 8:38 pm

Tgt Ion: 43 Resp: 2566

Ion	Ratio	Lower	Upper
43	100		
58	32.1	0.1	60.1

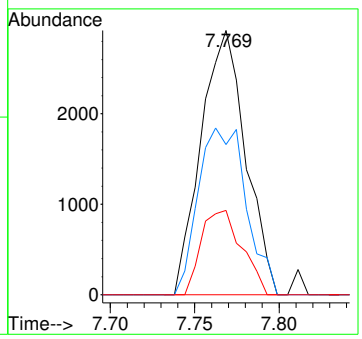


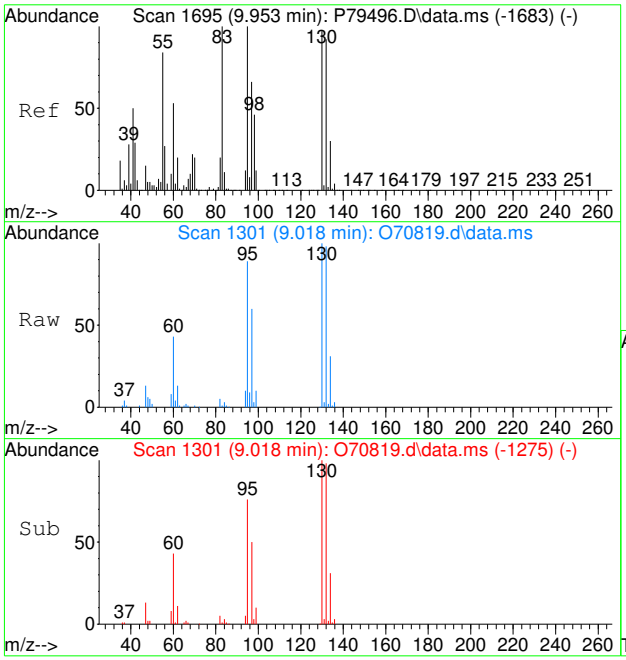


#36
Chloroform
Concen: 0.55 ug/L
RT: 7.769 min Scan# 1096
Delta R.T. 0.007 min
Lab File: O70819.d
Acq: 1 Sep 2022 8:38 pm

Tgt Ion: 83 Resp: 5376

Ion	Ratio	Lower	Upper
83	100		
85	56.8	35.3	95.3
47	31.9	0.0	54.9

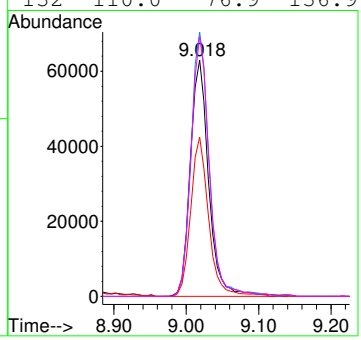




#53
Trichloroethene
Concen: 20.54 ug/L
RT: 9.018 min Scan# 1301
Delta R.T. 0.006 min
Lab File: O70819.d
Acq: 1 Sep 2022 8:38 pm

Tgt Ion: 95 Resp: 111771

Ion	Ratio	Lower	Upper
95	100		
130	111.9	76.0	136.0
97	67.4	37.2	97.2
132	110.0	76.9	136.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70801.d
Acq On : 1 Sep 2022 1:09 pm
Operator : joannel
Sample : FA98452-8
Misc : MS52309,VO2808,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 02 01:34:24 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

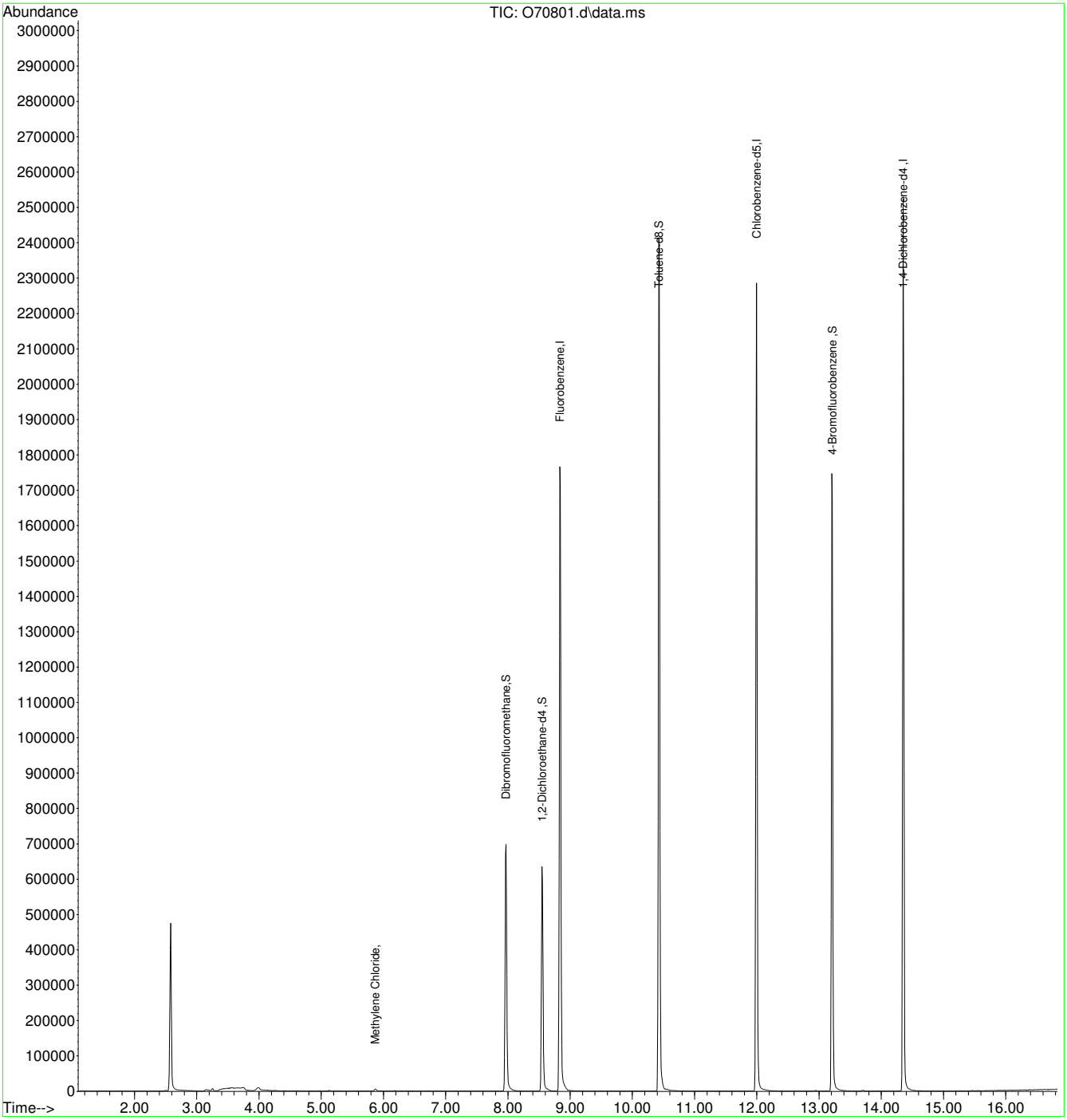
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1443839	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1170510	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	600838	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.970	113	389194	47.75	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.50%			
50) 1,2-Dichloroethane-d4	8.549	65	426939	50.92	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.84%			
63) Toluene-d8	10.426	98	1428407	48.68	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.36%			
86) 4-Bromofluorobenzene	13.212	174	478325	49.72	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.44%			
Target Compounds						Qvalue
18) Methylene Chloride	5.866	49	4448	0.58	ug/L	89

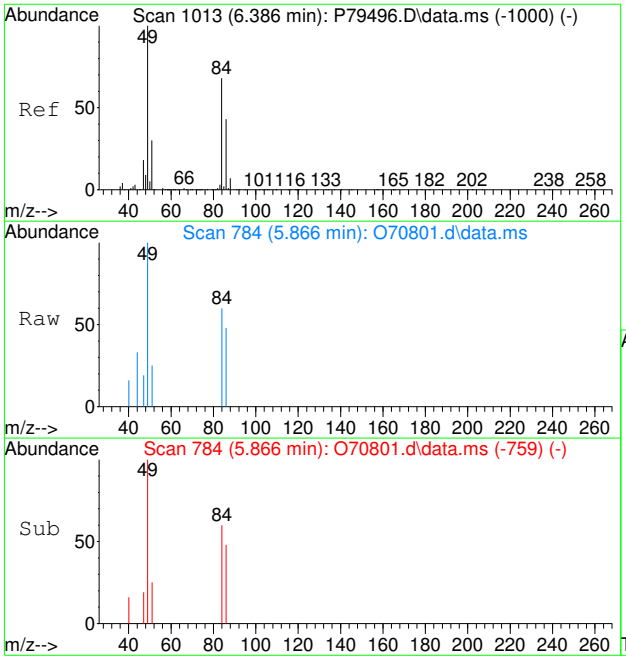
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70801.d
Acq On : 1 Sep 2022 1:09 pm
Operator : joannel
Sample : FA98452-8
Misc : MS52309,VO2808,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 02 01:34:24 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

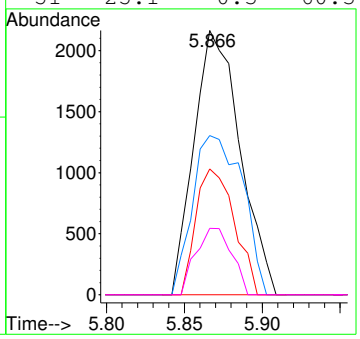




#18
Methylene Chloride
Concen: 0.58 ug/L
RT: 5.866 min Scan# 784
Delta R.T. 0.000 min
Lab File: O70801.d
Acq: 1 Sep 2022 1:09 pm

Tgt Ion: 49 Resp: 4448

Ion	Ratio	Lower	Upper
49	100		
84	60.2	44.6	104.6
86	47.6	20.5	80.5
51	25.1	0.3	60.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70802.d
Acq On : 1 Sep 2022 1:34 pm
Operator : joannel
Sample : FA98452-9
Misc : MS52309,VO2808,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 02 01:34:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

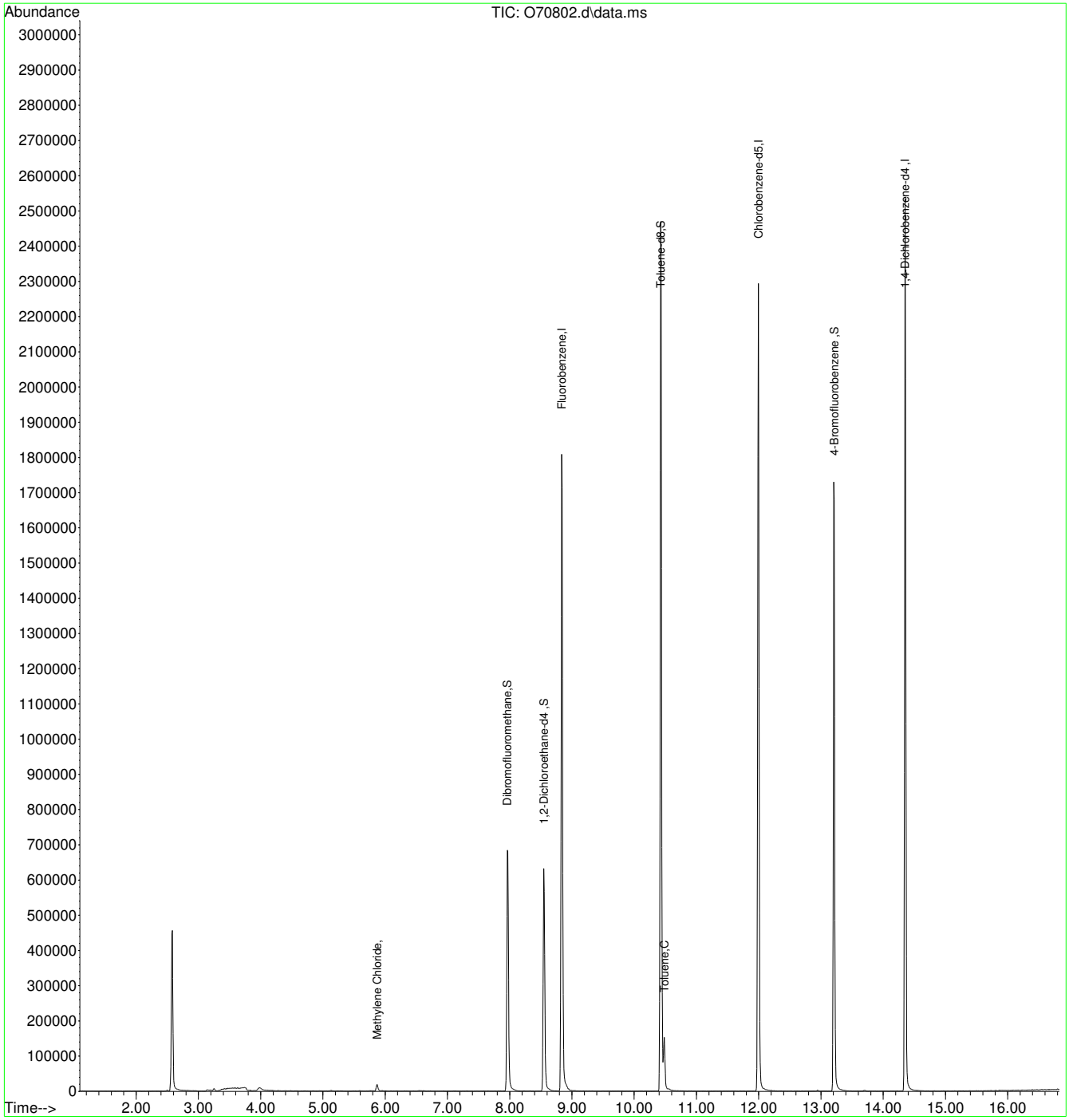
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		8.835	96	1453680	50.00	ug/L	0.00
62) Chlorobenzene-d5		11.993	117	1177595	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		14.353	152	602186	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		7.964	113	385297	46.95	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	93.90%		
50) 1,2-Dichloroethane-d4		8.549	65	418418	49.56	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	99.12%		
63) Toluene-d8		10.427	98	1445184	48.95	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	97.90%		
86) 4-Bromofluorobenzene		13.213	174	479111	49.69	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	99.38%		
Target Compounds							Qvalue
18) Methylene Chloride		5.873	49	12300	1.58	ug/L	95
64) Toluene		10.481	91	87777	3.46	ug/L	99

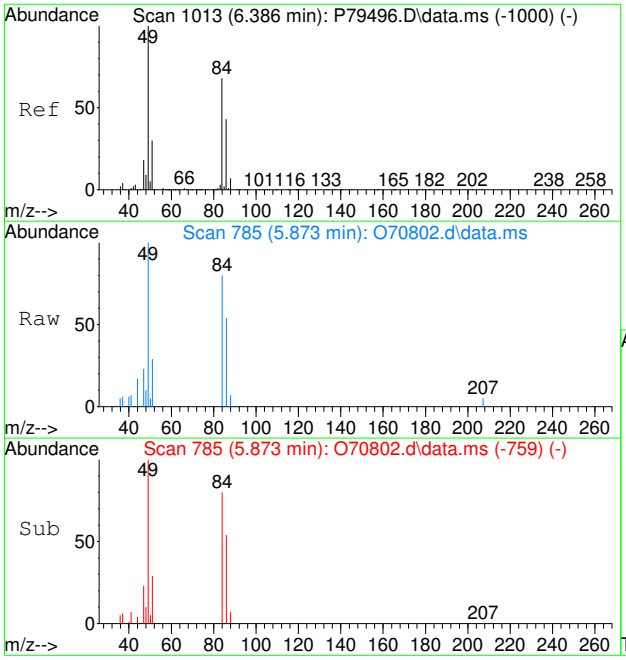
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70802.d
Acq On : 1 Sep 2022 1:34 pm
Operator : joannel
Sample : FA98452-9
Misc : MS52309,VO2808,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 02 01:34:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

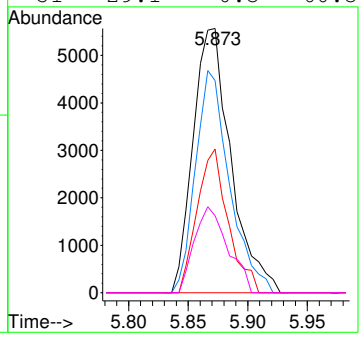


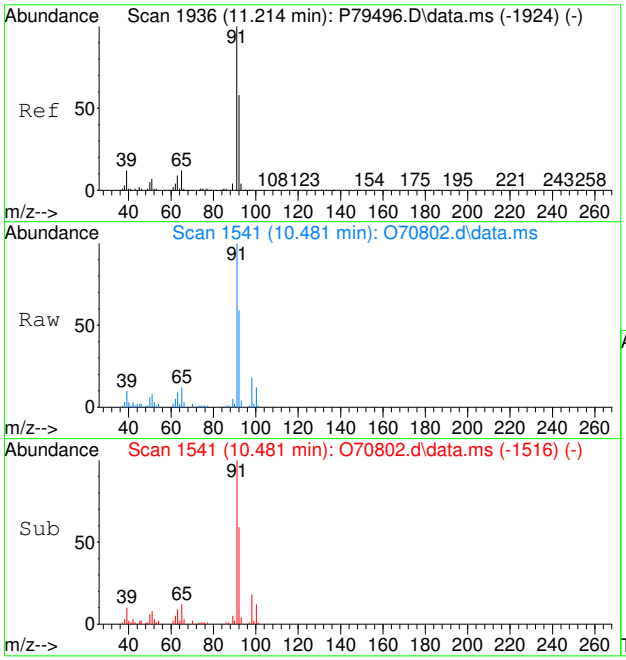


#18
Methylene Chloride
Concen: 1.58 ug/L
RT: 5.873 min Scan# 785
Delta R.T. 0.007 min
Lab File: O70802.d
Acq: 1 Sep 2022 1:34 pm

Tgt Ion: 49 Resp: 12300

Ion	Ratio	Lower	Upper
49	100		
84	80.2	44.6	104.6
86	54.4	20.5	80.5
51	29.1	0.3	60.3

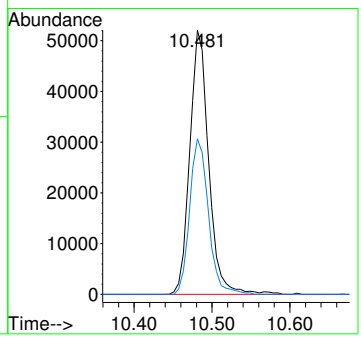




#64
Toluene
Concen: 3.46 ug/L
RT: 10.481 min Scan# 1541
Delta R.T. 0.000 min
Lab File: O70802.d
Acq: 1 Sep 2022 1:34 pm

Tgt Ion: 91 Resp: 87777

Ion	Ratio	Lower	Upper
91	100		
92	58.9	28.2	88.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70820.d
Acq On : 1 Sep 2022 9:03 pm
Operator : joannel
Sample : FA98452-10
Misc : MS52309,VO2808,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 02 01:42:05 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

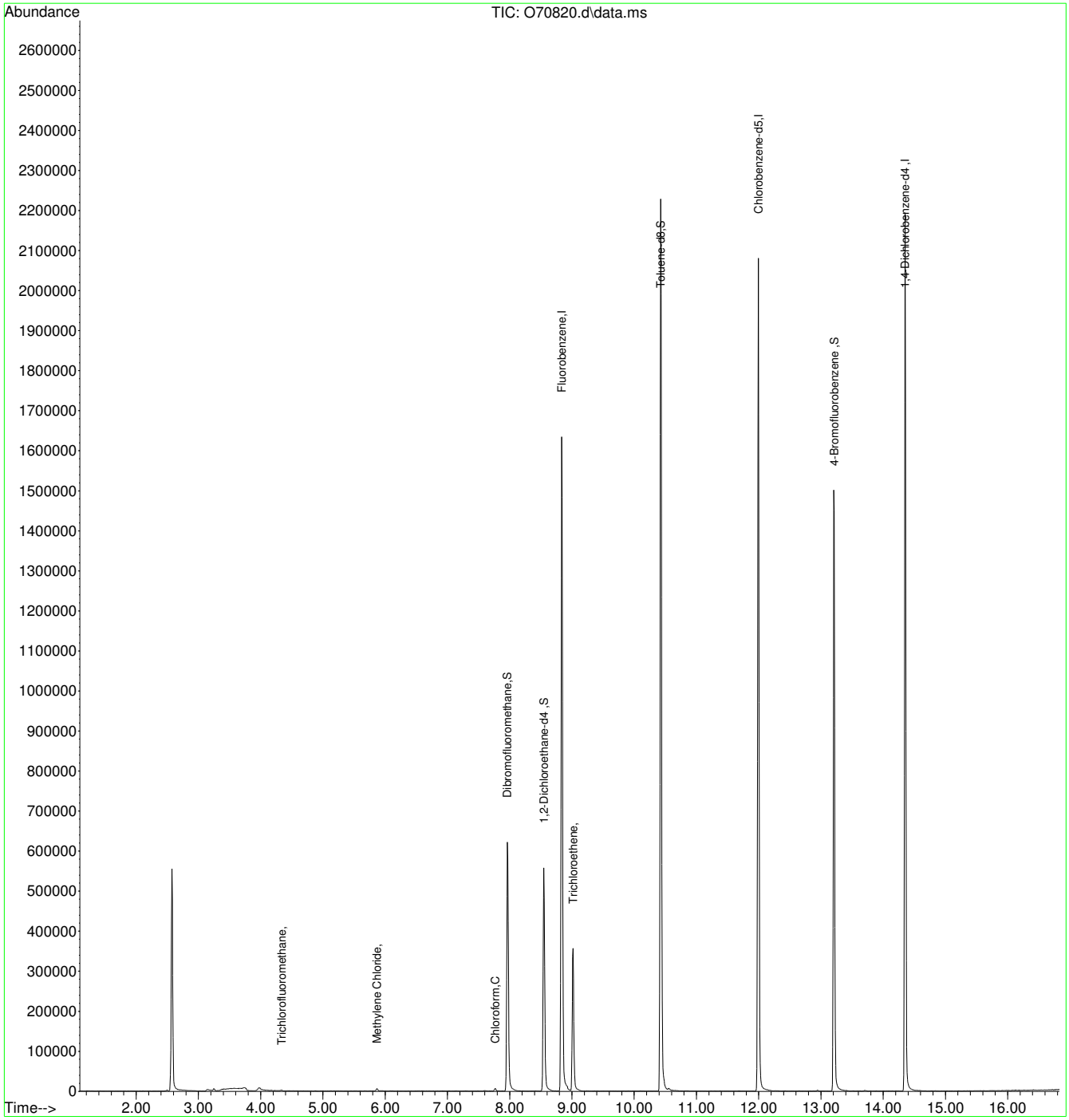
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1293068	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1039604	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	519388	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	345249	47.30	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	94.60%		
50) 1,2-Dichloroethane-d4	8.549	65	369106	49.15	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	98.30%		
63) Toluene-d8	10.426	98	1283375	49.24	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	98.48%		
86) 4-Bromofluorobenzene	13.212	174	408944	49.17	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.34%		
Target Compounds						Qvalue
8) Trichlorofluoromethane	4.336	101	1621	0.18	ug/L	90
18) Methylene Chloride	5.866	49	4171	0.60	ug/L	88
36) Chloroform	7.768	83	5490	0.57	ug/L	97
53) Trichloroethene	9.018	95	107185	19.83	ug/L	97

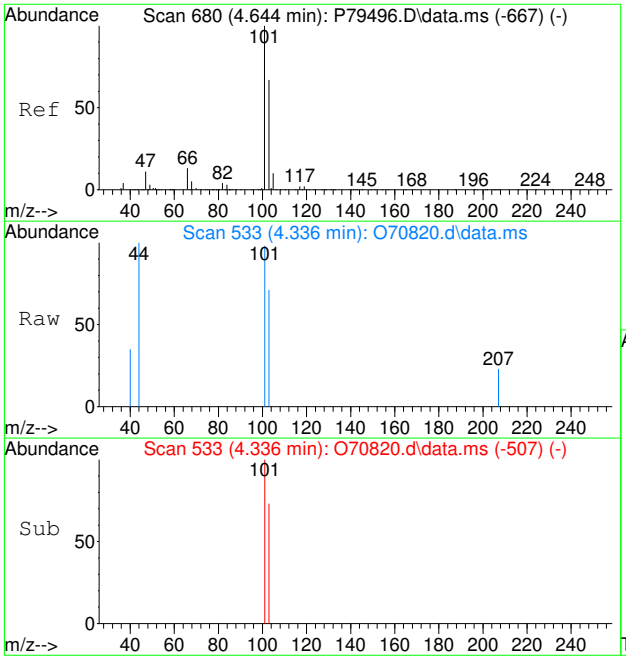
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70820.d
Acq On : 1 Sep 2022 9:03 pm
Operator : joannel
Sample : FA98452-10
Misc : MS52309,VO2808,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 02 01:42:05 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

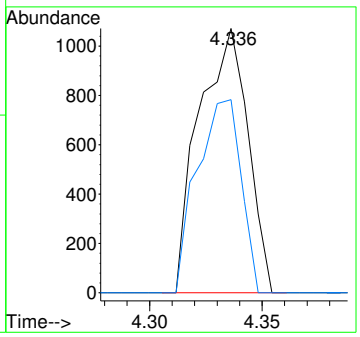


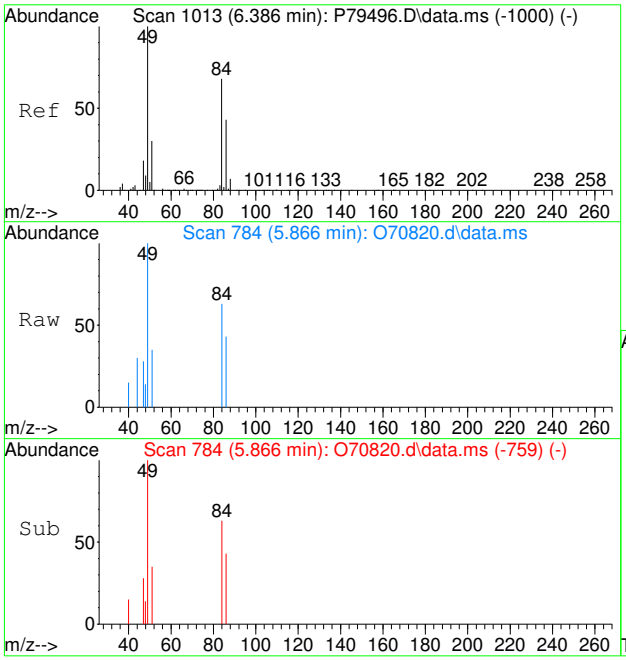


#8
Trichlorofluoromethane
Concen: 0.18 ug/L
RT: 4.336 min Scan# 533
Delta R.T. 0.006 min
Lab File: O70820.d
Acq: 1 Sep 2022 9:03 pm

Tgt Ion:101 Resp: 1621

Ion	Ratio	Lower	Upper
101	100		
103	73.0	35.4	95.4

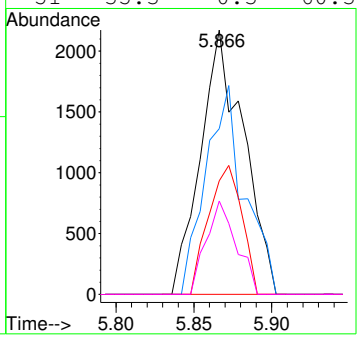


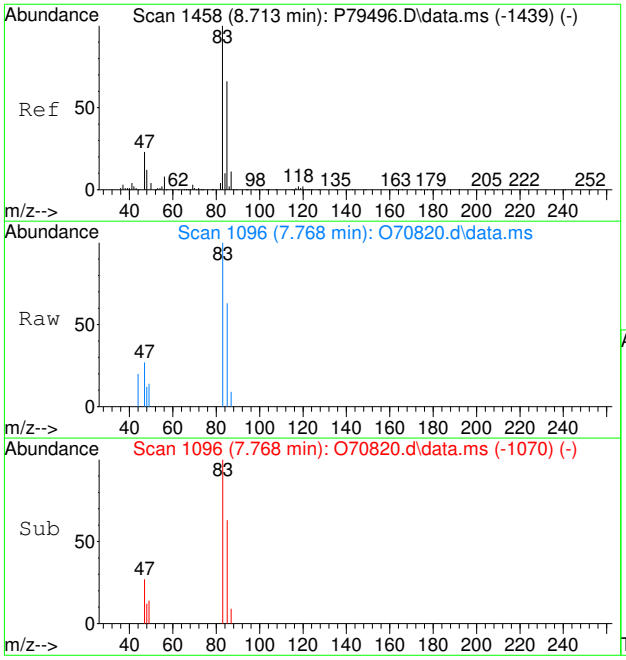


#18
Methylene Chloride
Concen: 0.60 ug/L
RT: 5.866 min Scan# 784
Delta R.T. 0.000 min
Lab File: O70820.d
Acq: 1 Sep 2022 9:03 pm

Tgt Ion: 49 Resp: 4171

Ion	Ratio	Lower	Upper
49	100		
84	62.7	44.6	104.6
86	43.0	20.5	80.5
51	35.3	0.3	60.3

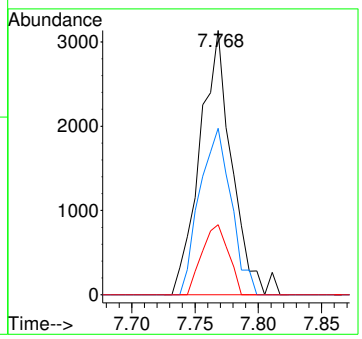


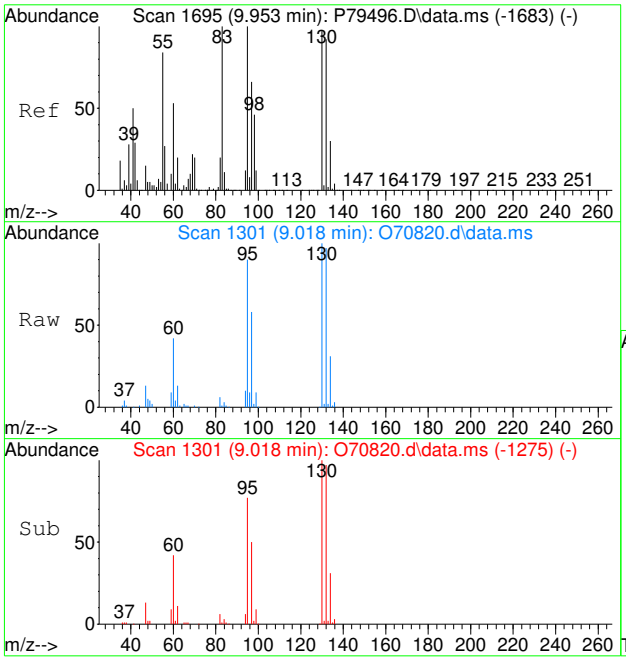


#36
Chloroform
Concen: 0.57 ug/L
RT: 7.768 min Scan# 1096
Delta R.T. 0.006 min
Lab File: O70820.d
Acq: 1 Sep 2022 9:03 pm

Tgt Ion: 83 Resp: 5490

Ion	Ratio	Lower	Upper
83	100		
85	62.9	35.3	95.3
47	26.6	0.0	54.9

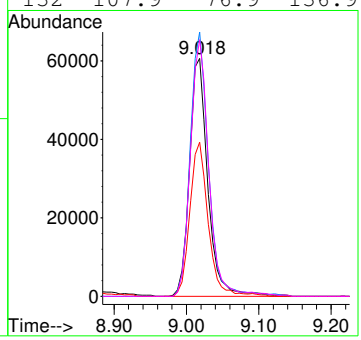




#53
Trichloroethene
Concen: 19.83 ug/L
RT: 9.018 min Scan# 1301
Delta R.T. 0.006 min
Lab File: O70820.d
Acq: 1 Sep 2022 9:03 pm

Tgt Ion: 95 Resp: 107185

Ion	Ratio	Lower	Upper
95	100		
130	111.1	76.0	136.0
97	64.8	37.2	97.2
132	107.9	76.9	136.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70800.d
Acq On : 1 Sep 2022 12:44 pm
Operator : joannel
Sample : MB
Misc : MS52309,VO2808,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 02 01:33:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

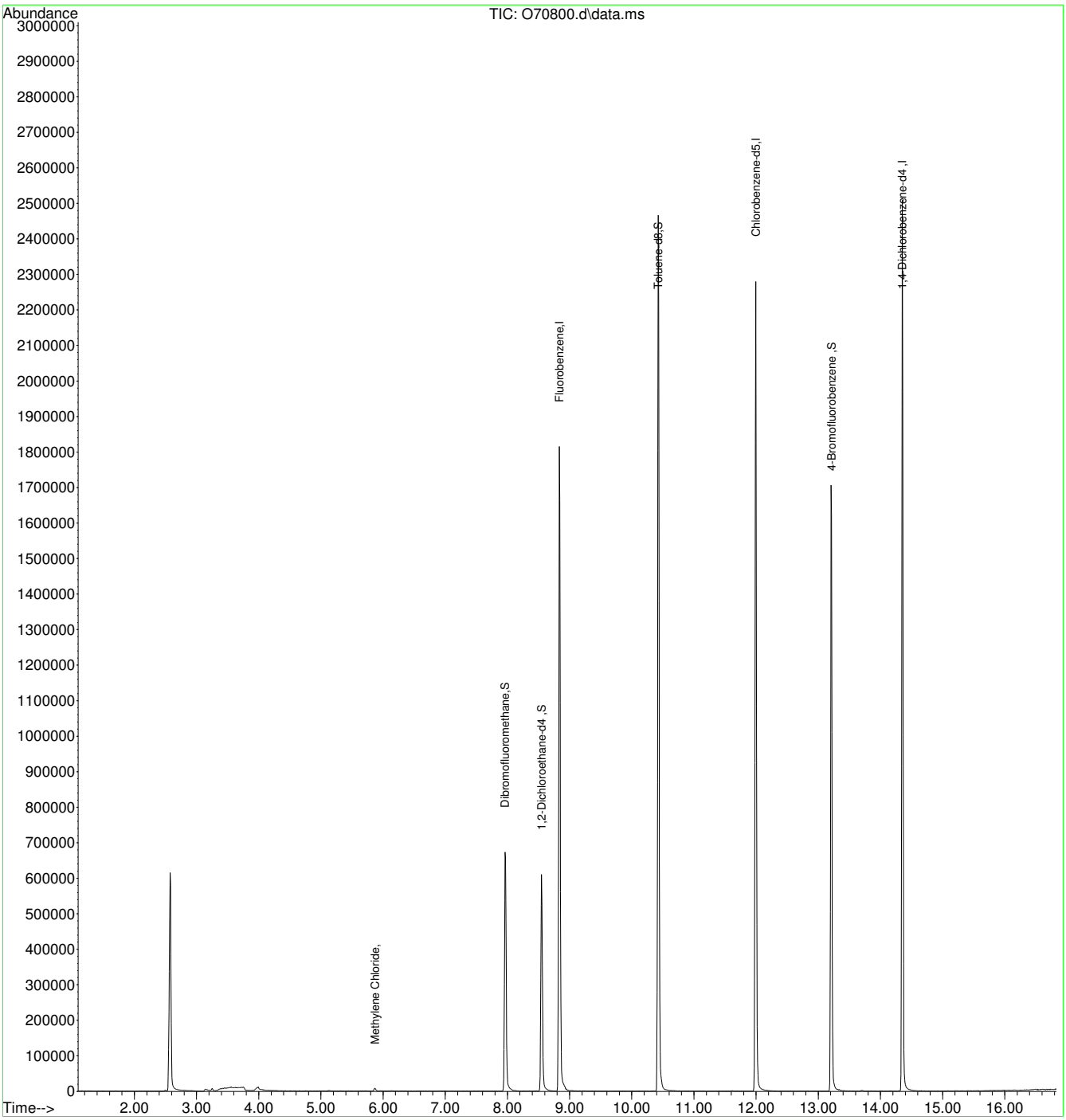
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1450449	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1156336	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	590094	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	384082	46.91	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.82%			
50) 1,2-Dichloroethane-d4	8.549	65	409063	48.56	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.12%			
63) Toluene-d8	10.426	98	1430822	49.36	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.72%			
86) 4-Bromofluorobenzene	13.212	174	469832	49.72	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.44%			
Target Compounds						Qvalue
18) Methylene Chloride	5.872	49	5316	0.69	ug/L	85

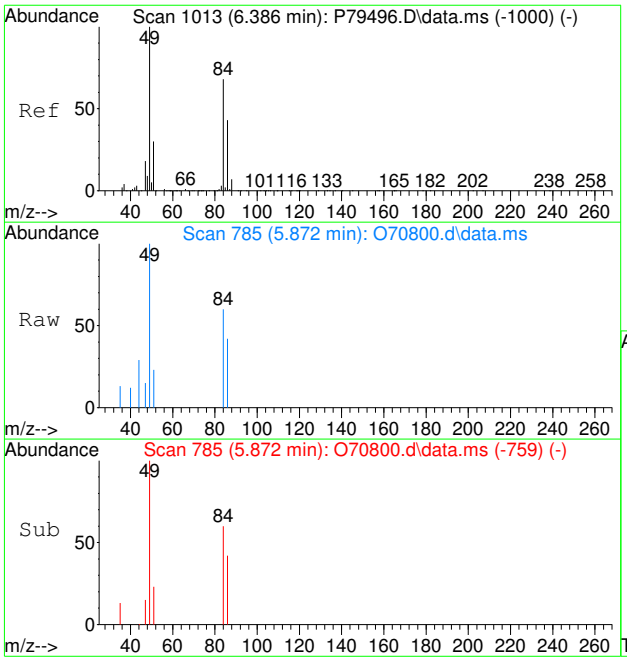
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70800.d
Acq On : 1 Sep 2022 12:44 pm
Operator : joannel
Sample : MB
Misc : MS52309,VO2808,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 02 01:33:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

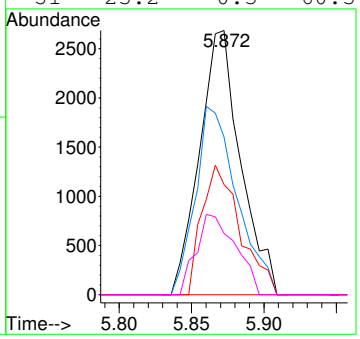




#18
Methylene Chloride
Concen: 0.69 ug/L
RT: 5.872 min Scan# 785
Delta R.T. 0.006 min
Lab File: O70800.d
Acq: 1 Sep 2022 12:44 pm

Tgt Ion: 49 Resp: 5316

Ion	Ratio	Lower	Upper
49	100		
84	59.6	44.6	104.6
86	41.7	20.5	80.5
51	23.2	0.3	60.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70829.d
Acq On : 2 Sep 2022 1:37 pm
Operator : joannel
Sample : MB
Misc : MS52195,VO2809,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 20:58:05 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

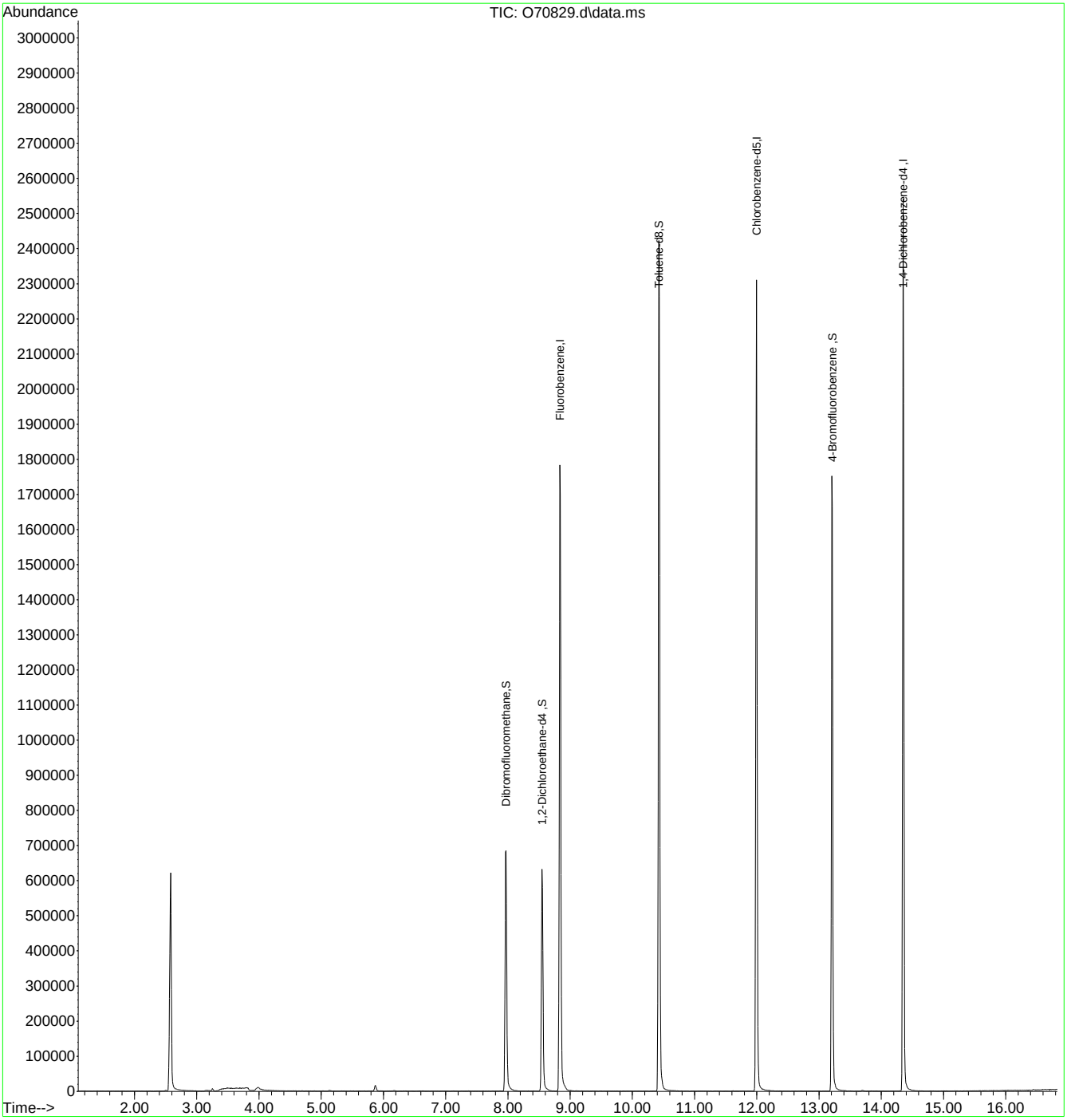
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1436445	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1173842	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	596616	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.970	113	387587	47.80	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.60%			
50) 1,2-Dichloroethane-d4	8.549	65	423073	50.72	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.44%			
63) Toluene-d8	10.427	98	1426368	48.47	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.94%			
86) 4-Bromofluorobenzene	13.213	174	479479	50.19	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.38%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70829.d
Acq On : 2 Sep 2022 1:37 pm
Operator : joannel
Sample : MB
Misc : MS52195,VO2809,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 20:58:05 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:35:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1578810	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1310031	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	683610	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	440431	49.42	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.84%			
50) 1,2-Dichloroethane-d4	8.549	65	455953	49.73	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.46%			
63) Toluene-d8	10.426	98	1581545	48.15	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.30%			
86) 4-Bromofluorobenzene	13.206	174	541903	49.51	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	176595	31.34	ug/L	96
3) Chloromethane	3.202	50	166149	26.42	ug/L	99
4) 1,3-butadiene	3.379	39	158552	26.88	ug/L	98
5) Vinyl Chloride	3.349	62	190591	27.01	ug/L	100
6) Bromomethane	3.897	94	73541	20.93	ug/L	96
7) Chloroethane	4.105	64	122619	25.93	ug/L	99
8) Trichlorofluoromethane	4.330	101	289626	25.87	ug/L	99
9) Ethyl Ether	4.800	59	111623	22.41	ug/L	99
10) Ethanol	5.019	45	28571m	515.10	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	191646	29.77	ug/L	99
12) 1,1-Dichloroethene	5.086	61	243636	26.97	ug/L	99
13) Freon 113	5.141	101	163640	28.59	ug/L	98
14) Carbon Disulfide	5.129	76	370032	22.95	ug/L	100
15) Iodomethane	5.287	142	49244	15.48	ug/L	99
16) Acrolein	5.549	56	114820	94.30	ug/L	99
17) Allyl chloride	5.726	41	195448	26.35	ug/L	99
18) Methylene Chloride	5.866	49	216963	25.73	ug/L	99
19) Acetone	5.927	43	233749	129.33	ug/L	98
20) Methyl acetate	6.080	43	555372	118.30	ug/L	99
21) trans-1,2-Dichloroethene	6.080	61	221023	24.54	ug/L	99
22) Hexane	6.171	56	108784m	30.48	ug/L	
23) Methyl Tert Butyl Ether	6.202	73	428347	27.29	ug/L	96
24) Tert Butyl Alcohol	6.305	59	127068	220.82	ug/L	97
25) Acetonitrile	6.513	41	171833m	218.83	ug/L	
26) Di-isopropyl ether	6.653	45	439274	23.83	ug/L	99
27) Chloroprene	6.805	53	217576	118.25	ug/L	97
28) 1,1-Dichloroethane	6.836	63	287259	25.83	ug/L	99
29) Acrylonitrile	6.891	52	229235	114.89	ug/L	99
30) ETBE	7.086	59	393179	21.99	ug/L	99
31) Vinyl acetate	7.110	43	1460562	119.13	ug/L	99
32) cis-1,2-Dichloroethene	7.470	96	161638	25.42	ug/L	98
33) 2,2-Dichloropropane	7.592	77	198917	22.80	ug/L	97
34) Bromochloromethane	7.695	128	83577	23.59	ug/L	94
35) Cyclohexane	7.707	56	264883	27.22	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:35:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	277305	23.54	ug/L	96
37) Ethyl acetate	7.872	43	702961	117.15	ug/L	99
38) Tetrahydrofuran	7.957	42	44924	23.89	ug/L	88
40) Carbon Tetrachloride	7.939	117	233368	25.78	ug/L	99
41) 1,1,1-Trichloroethane	8.012	97	267393	25.66	ug/L	99
42) 2-Butanone	8.098	43	358018	119.66	ug/L	98
43) 1,1-Dichloropropene	8.140	75	214237	24.92	ug/L	98
44) tert-Butyl formate	8.244	59	442562	106.79	ug/L	96
45) Propionitrile	8.421	54	206852	212.78	ug/L	97
46) Methacrylonitrile	8.445	41	1031546	226.57	ug/L	99
47) Benzene	8.409	78	589126	23.69	ug/L	98
48) TAME	8.494	73	477357	31.83	ug/L	99
49) Isobutyl alcohol	8.567	43	90896	459.01	ug/L	98
51) 1,2-Dichloroethane	8.622	62	224742	23.30	ug/L	99
52) Tert Amyl Alcohol	8.677	59	86410	223.69	ug/L	98
53) Trichloroethene	9.018	95	171038	25.81	ug/L	98
54) Methylcyclohexane	9.012	83	237089	30.59	ug/L	99
55) Dibromomethane	9.463	93	95052	22.50	ug/L	96
56) 1,2-Dichloropropane	9.555	63	140284	22.68	ug/L	99
57) Bromodichloromethane	9.603	83	187154	23.80	ug/L	98
58) Methyl methacrylate	9.725	41	110128	22.05	ug/L	98
59) 1,4-Dioxane	9.805	88	31215	580.47	ug/L	95
60) 2-Chloroethyl vinyl ether	10.146	63	544404	131.92	ug/L	99
61) cis-1,3-Dichloropropene	10.237	75	201214	22.84	ug/L	97
64) Toluene	10.481	91	636975	22.55	ug/L	100
65) 2-Nitropropane	10.713	41	178642	106.27	ug/L	97
66) 4-Methyl-2-pentanone	10.829	43	734807	110.12	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	198905	24.45	ug/L	98
68) Tetrachloroethene	10.884	166	201344	23.92	ug/L	98
69) Ethyl methacrylate	10.993	69	154452	20.46	ug/L	97
70) 1,1,2-Trichloroethane	11.048	83	112582	22.06	ug/L	98
71) Dibromochloromethane	11.243	129	149562	21.25	ug/L	99
72) 1,3-Dichloropropane	11.335	76	212757	20.13	ug/L	100
73) 1,2-Dibromoethane	11.506	107	142290	21.74	ug/L	96
74) 3,3-dimethyl-1-butanol	11.597	57	592633	1327.26	ug/L	100
75) 2-hexanone	11.658	43	515340	114.51	ug/L	98
76) 1-Chlorohexane	11.944	91	201251m	26.02	ug/L	
77) Ethylbenzene	12.005	91	734864	22.68	ug/L	98
78) Chlorobenzene	12.012	112	434468	22.53	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	152012	22.75	ug/L	100
80) m,p-Xylene	12.146	91	1122803	45.92	ug/L	99
81) o-Xylene	12.591	91	543501	23.00	ug/L	98
82) Styrene	12.639	104	385546	23.29	ug/L	99
83) Bromoform	12.700	173	91866	21.74	ug/L	99
84) Isopropylbenzene	12.889	105	688616	23.95	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	46345	20.32	ug/L	88
88) n-Propylbenzene	13.310	91	782291	23.06	ug/L	98
89) Bromobenzene	13.334	156	184386	21.36	ug/L	100
90) 1,1,2,2-Tetrachloroethane	13.383	83	183461	21.60	ug/L	98
91) 1,3,5-Trimethylbenzene	13.493	105	544812	22.50	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:35:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

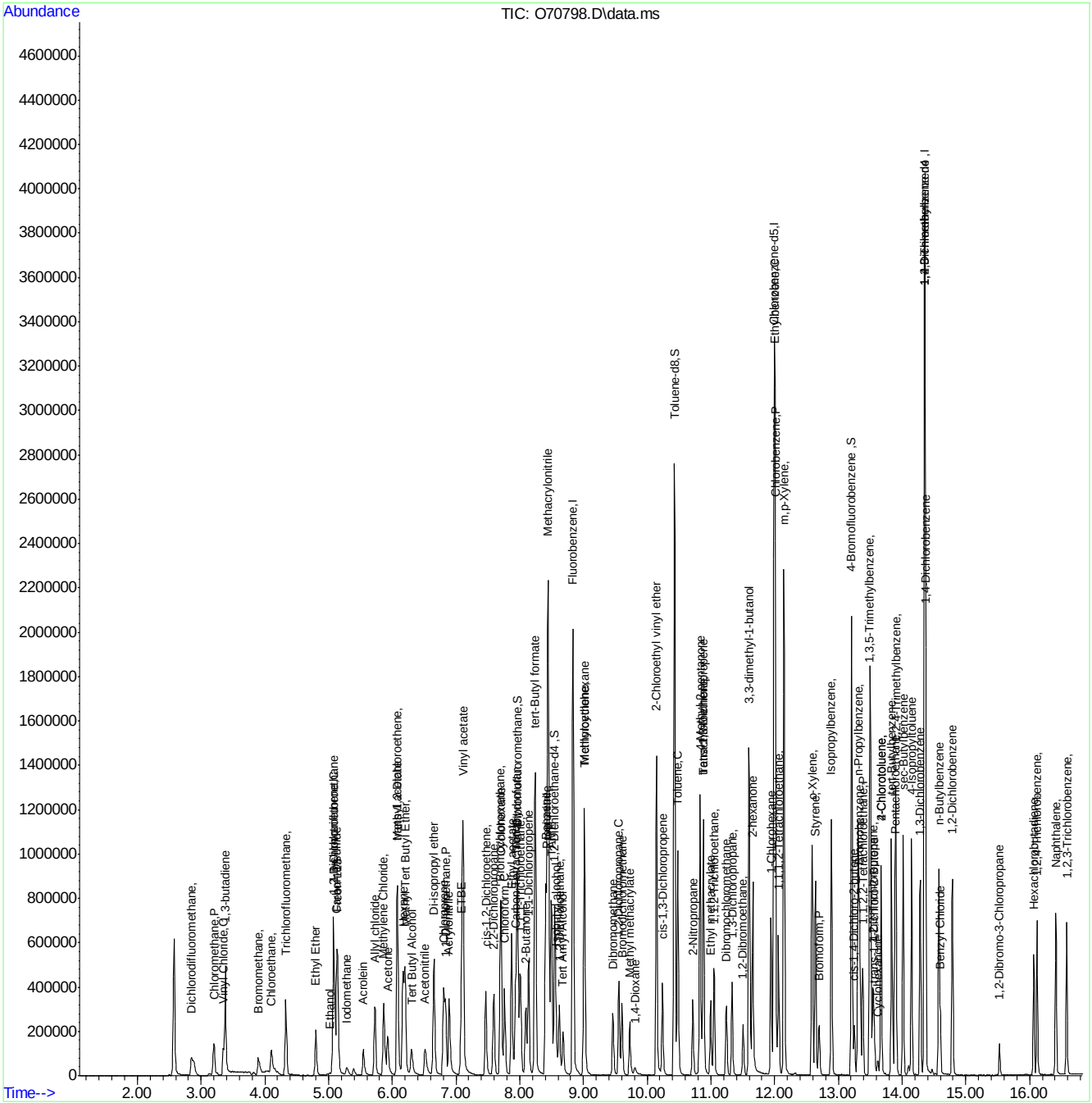
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	474741	22.62	ug/L		100
93) trans-1,4-Dichloro-2-B...	13.566	53	36122	16.67	ug/L	#	77
94) 1,2,3-Trichloropropane	13.542	110	57084	21.04	ug/L		98
95) Cyclohexanone	13.621	55	27026	134.18	ug/L		96
96) 4-Chlorotoluene	13.670	91	474741	22.62	ug/L		100
97) tert-Butylbenzene	13.834	91	301096	23.17	ug/L		99
99) 1,2,4-Trimethylbenzene	13.901	105	538248	22.95	ug/L		99
100) Pentachloroethane	13.889	167	96313	21.82	ug/L		98
101) sec-Butylbenzene	14.017	105	642880	24.80	ug/L		99
102) 4-Isopropyltoluene	14.151	119	555787	24.46	ug/L		99
103) 1,3-Dichlorobenzene	14.285	146	338800	22.56	ug/L		99
104) 1,2,3-Trimethylbenzene	14.359	105	574007	23.08	ug/L		99
105) 1,4-Dichlorobenzene	14.371	146	360880	23.52	ug/L		100
106) n-Butylbenzene	14.578	92	248715	22.06	ug/L		98
107) Benzyl Chloride	14.602	126	33778	14.37	ug/L		99
108) 1,2-Dichlorobenzene	14.791	146	316108	22.12	ug/L		98
109) 1,2-Dibromo-3-Chloropr...	15.529	75	25039	18.64	ug/L		96
110) Hexachlorobutadiene	16.066	225	79504	24.37	ug/L		96
111) 1,2,4-Trichlorobenzene	16.120	180	185597	21.55	ug/L		99
112) Naphthalene	16.413	128	478454	21.71	ug/L		99
113) 1,2,3-Trichlorobenzene	16.584	180	180408	21.26	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:35:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

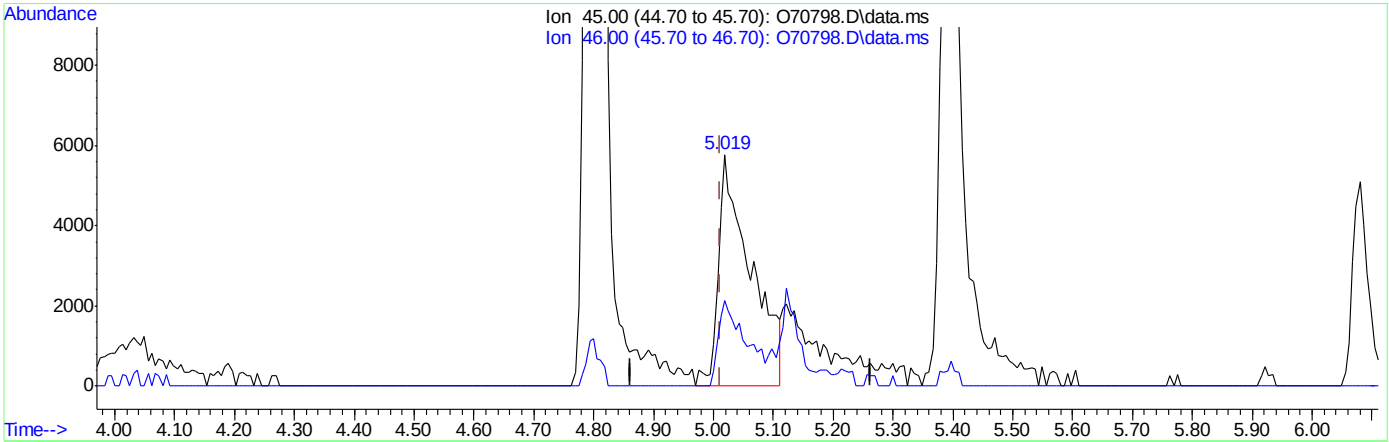
Sample Number: VO2808-BS
Lab FileID: O70798.D
Injection Time: 09/01/22 11:54
Method: SW846 8260D
Analyst approved: 09/01/22 12:35 Jo-Ann Lugo De Jesus
Supervisor approved: 09/02/22 08:58 Karen Watson

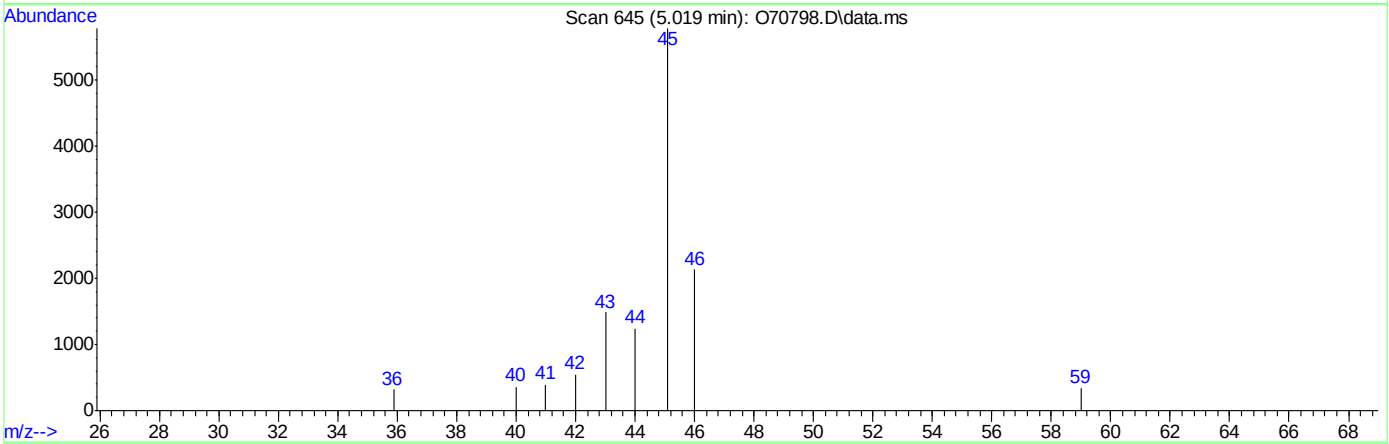
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.02	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:34:52 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70798.D\data.ms

(10) Ethanol

5.019min (+0.006) 391.70ug/L

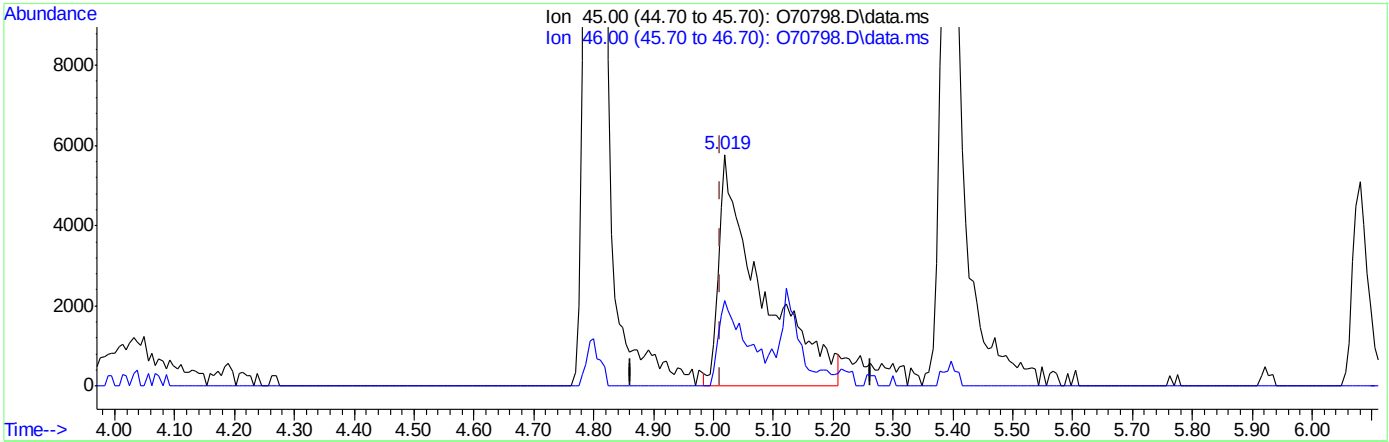
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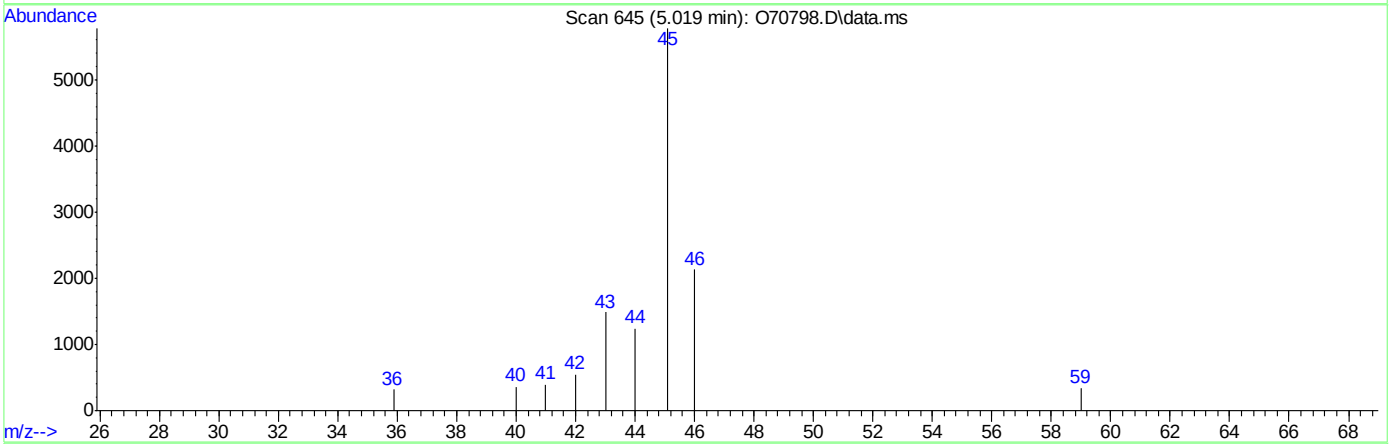
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	36.87
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:34:52 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70798.D\data.ms

(10) Ethanol

5.019min (+0.006) 515.10ug/L m

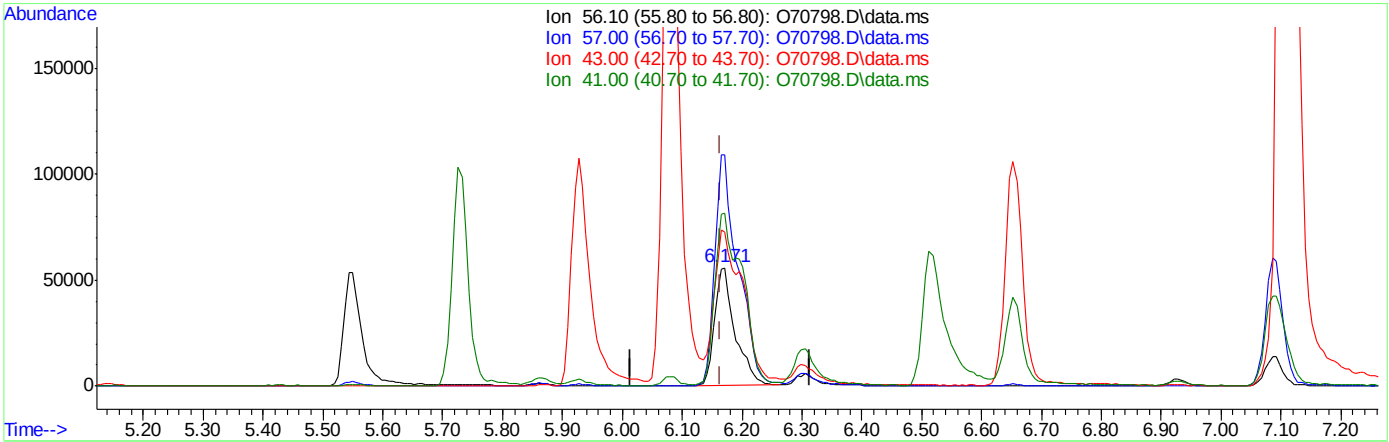
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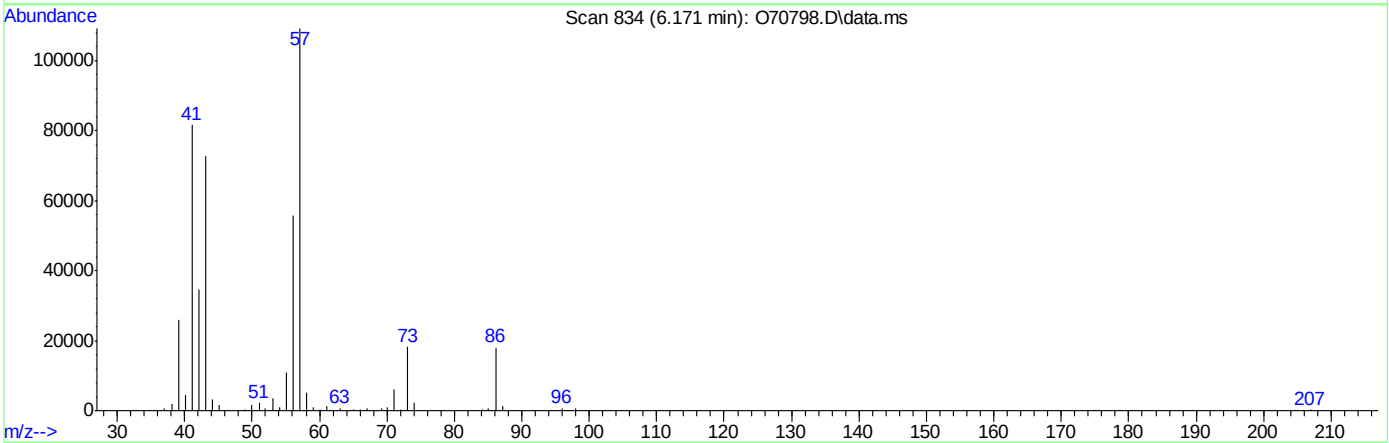
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	36.87
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:34:52 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70798.D\data.ms

(22) Hexane

6.171min (+0.006) 36.65ug/L

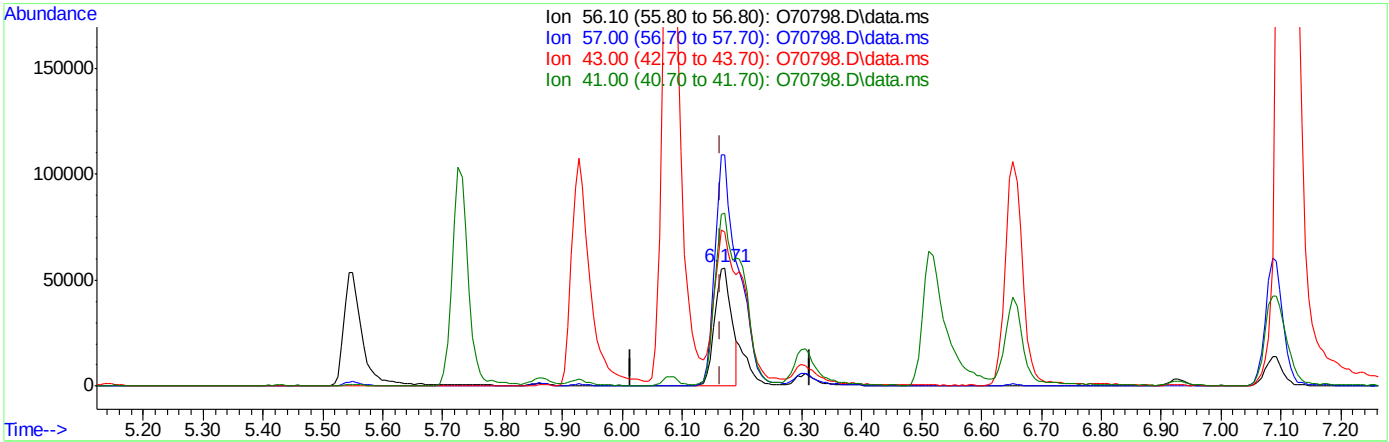
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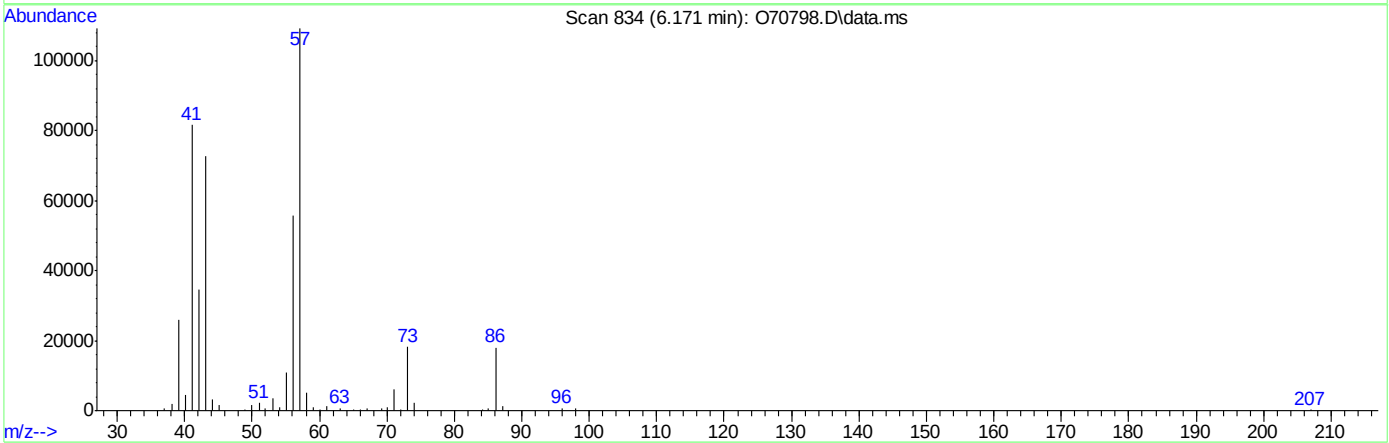
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	196.14
43.00	133.10	124.61
41.00	145.50	145.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:34:52 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70798.D\data.ms

(22) Hexane

6.171min (+0.006) 30.48ug/L m

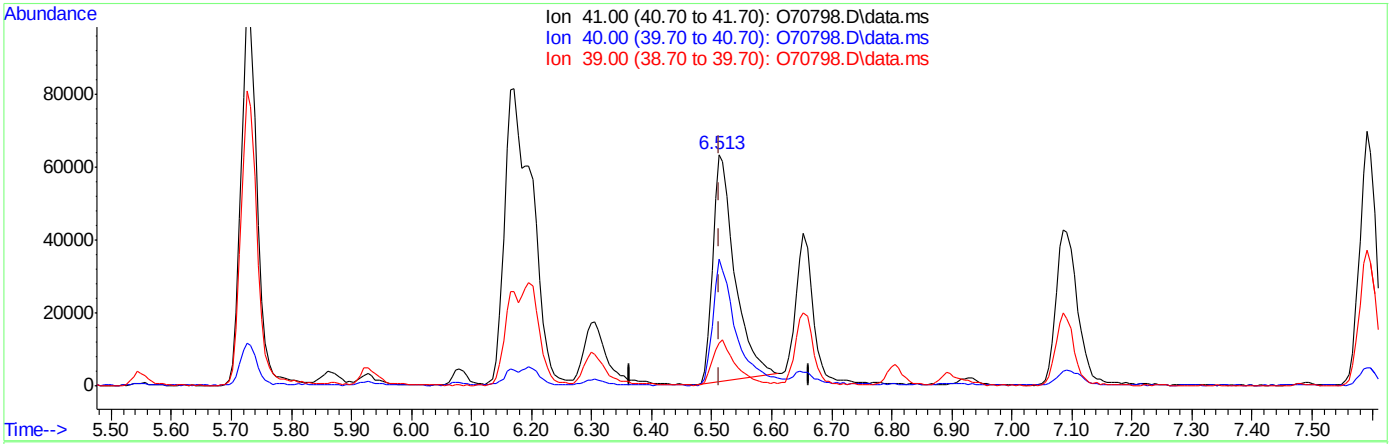
response 108784

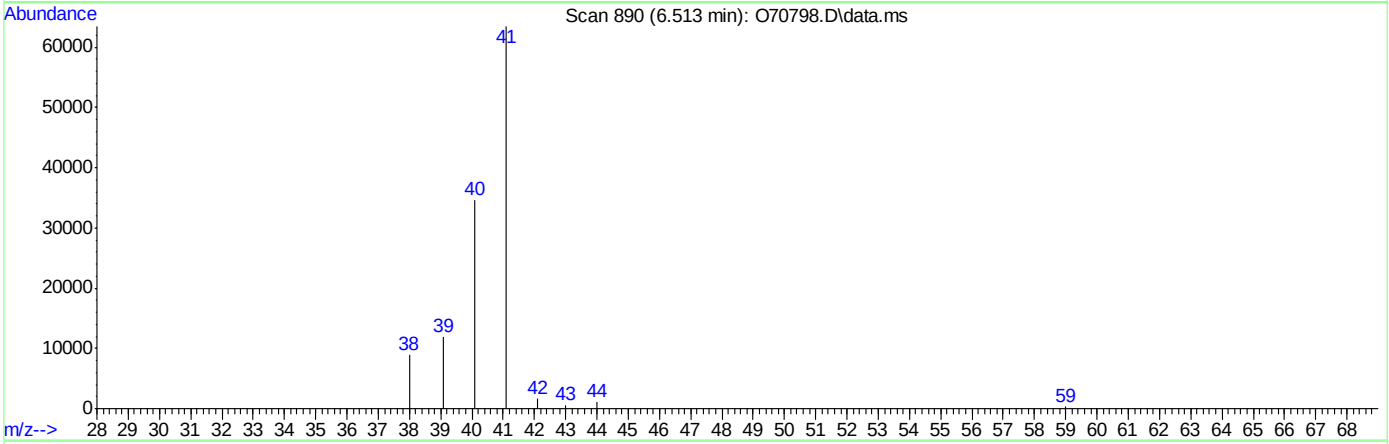
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	196.14
43.00	133.10	130.45
41.00	145.50	146.52

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:34:52 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70798.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 200.66ug/L

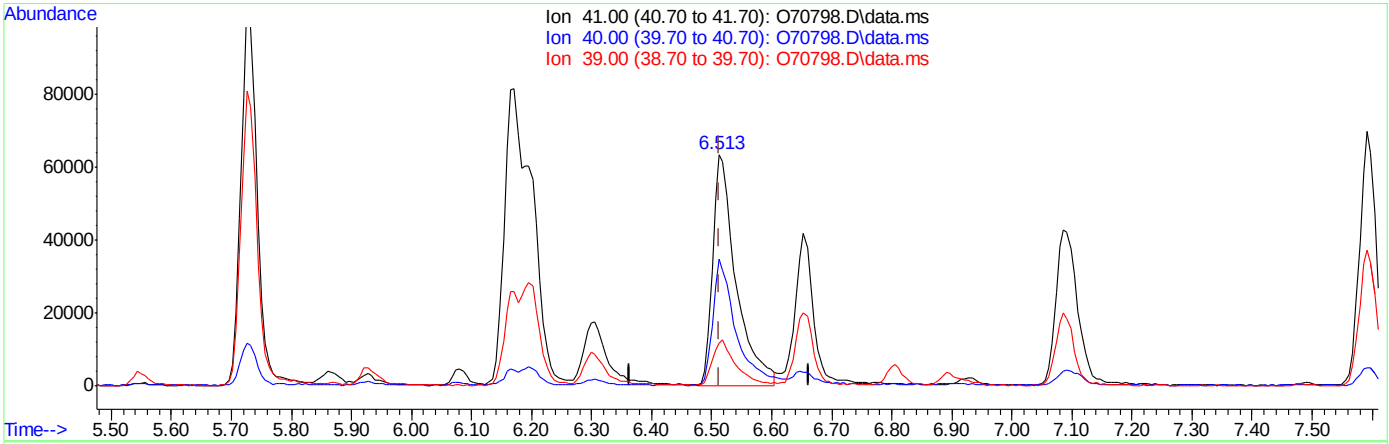
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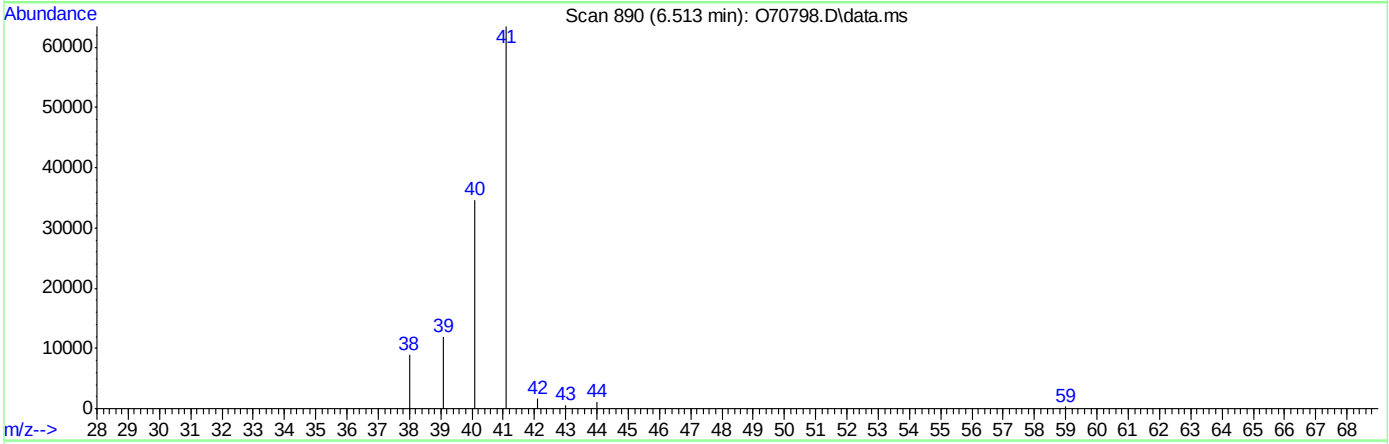
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.60
39.00	20.00	18.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:34:52 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70798.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 218.83ug/L m

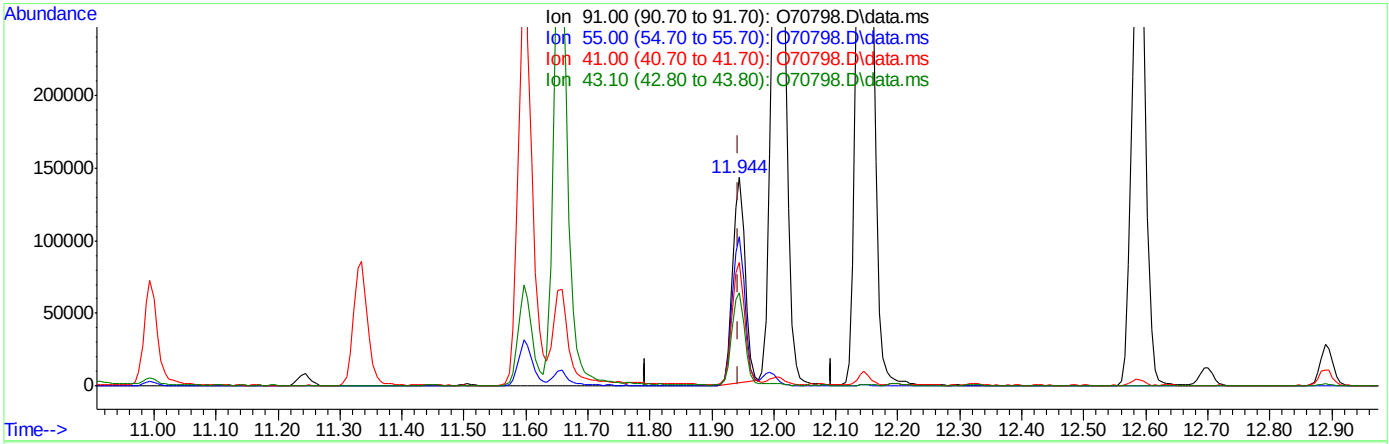
response 171833

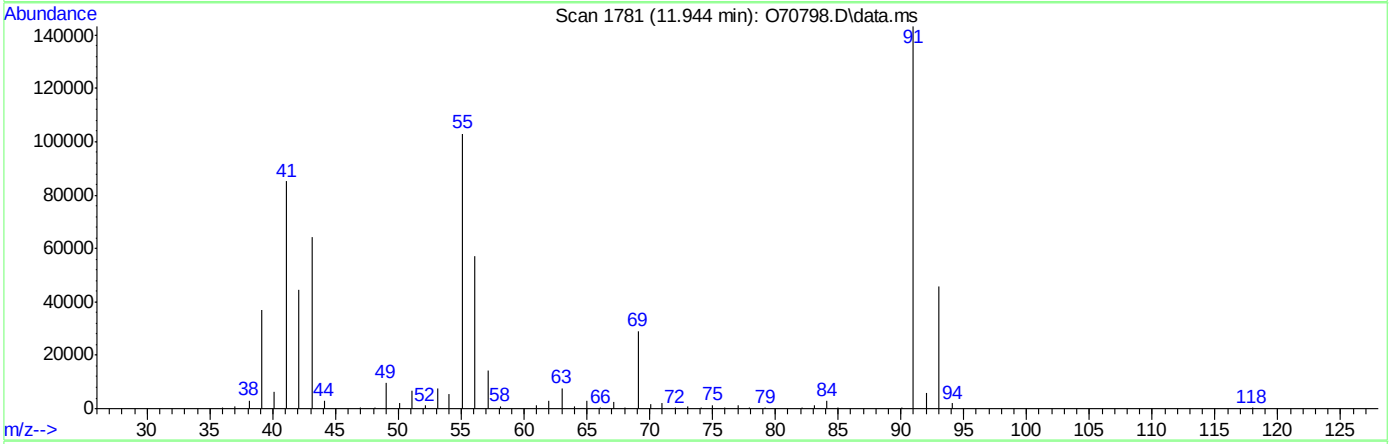
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.68
39.00	20.00	18.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:34:52 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70798.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 24.99ug/L

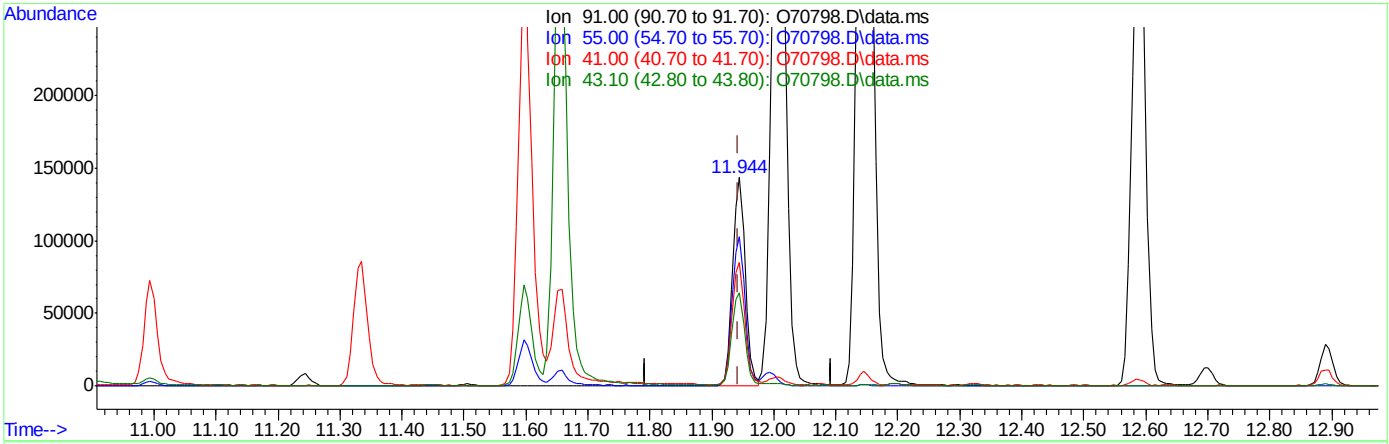
response 193235

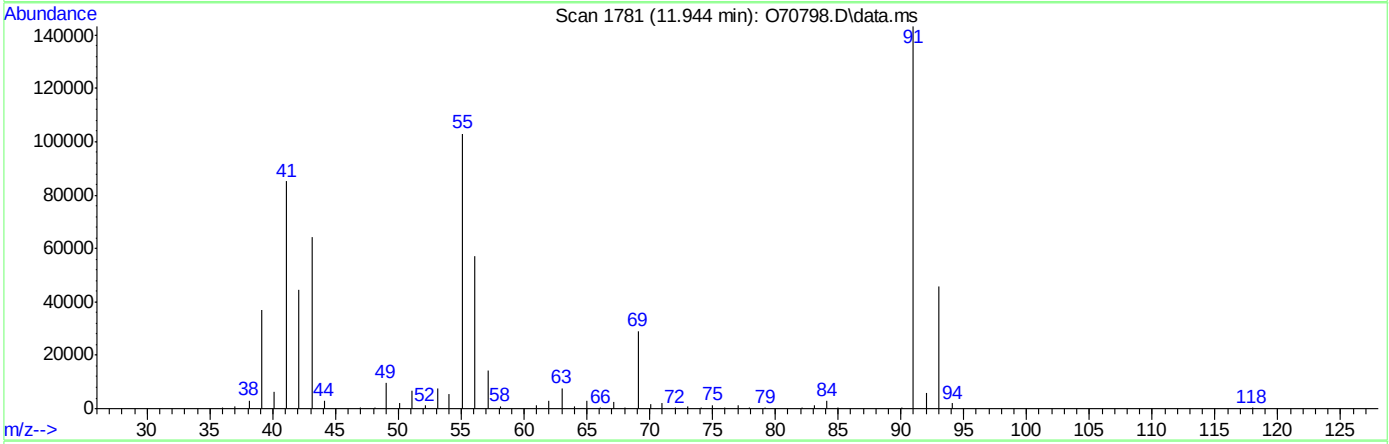
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	71.65
41.00	54.70	58.55
43.10	44.50	44.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:34:52 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70798.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 26.02ug/L m

response 201251

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	71.94
41.00	54.70	59.46
43.10	44.50	44.74

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 15:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1480345	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1223052	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	643207	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	410487	49.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.24%			
50) 1,2-Dichloroethane-d4	8.549	65	419103	48.75	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.50%			
63) Toluene-d8	10.426	98	1477826	48.20	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.40%			
86) 4-Bromofluorobenzene	13.206	174	505917	49.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.24%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	176850	33.48	ug/L	96
3) Chloromethane	3.202	50	170499	28.94	ug/L	97
4) 1,3-butadiene	3.379	39	138230	24.98	ug/L	95
5) Vinyl Chloride	3.349	62	193304	29.23	ug/L	98
6) Bromomethane	3.897	94	67626	20.53	ug/L	89
7) Chloroethane	4.105	64	124801	28.44	ug/L	96
8) Trichlorofluoromethane	4.330	101	291222	27.74	ug/L	98
9) Ethyl Ether	4.800	59	97610	20.90	ug/L	95
10) Ethanol	5.025	45	26096m	502.07	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.080	67	176633	29.26	ug/L	96
12) 1,1-Dichloroethene	5.086	61	209971	24.79	ug/L	98
13) Freon 113	5.147	101	144864	27.04	ug/L	98
14) Carbon Disulfide	5.129	76	297663	19.78	ug/L	99
15) Iodomethane	5.287	142	41017	13.96	ug/L	95
16) Acrolein	5.549	56	117405	102.84	ug/L	100
17) Allyl chloride	5.726	41	176145	25.35	ug/L	99
18) Methylene Chloride	5.866	49	209614	26.52	ug/L	97
19) Acetone	5.927	43	217421	128.31	ug/L	98
20) Methyl acetate	6.080	43	517265	117.51	ug/L	98
21) trans-1,2-Dichloroethene	6.080	61	199657	23.64	ug/L	97
22) Hexane	6.165	56	97385m	29.15	ug/L	
23) Methyl Tert Butyl Ether	6.202	73	391996	26.64	ug/L	96
24) Tert Butyl Alcohol	6.299	59	117606	217.97	ug/L	89
25) Acetonitrile	6.513	41	157947m	214.53	ug/L	
26) Di-isopropyl ether	6.653	45	406521	23.52	ug/L	99
27) Chloroprene	6.805	53	194419	113.44	ug/L	99
28) 1,1-Dichloroethane	6.836	63	263048	25.22	ug/L	100
29) Acrylonitrile	6.891	52	224937	120.23	ug/L	100
30) ETBE	7.086	59	362195	21.61	ug/L	98
31) Vinyl acetate	7.110	43	1436633	124.97	ug/L	100
32) cis-1,2-Dichloroethene	7.470	96	148658	24.94	ug/L	99
33) 2,2-Dichloropropane	7.592	77	184127	22.51	ug/L	97
34) Bromochloromethane	7.695	128	79595	23.96	ug/L	98
35) Cyclohexane	7.707	56	234449	25.69	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	260963	23.62	ug/L	98
37) Ethyl acetate	7.872	43	686471	122.01	ug/L	98
38) Tetrahydrofuran	7.957	42	42225	23.94	ug/L	99
40) Carbon Tetrachloride	7.939	117	214625	25.28	ug/L	98
41) 1,1,1-Trichloroethane	8.006	97	244755	25.05	ug/L	99
42) 2-Butanone	8.098	43	333748	118.97	ug/L	98
43) 1,1-Dichloropropene	8.140	75	197990	24.56	ug/L	97
44) tert-Butyl formate	8.244	59	370348	95.31	ug/L	95
45) Propionitrile	8.421	54	196349	215.36	ug/L	98
46) Methacrylonitrile	8.445	41	965687	226.21	ug/L	99
47) Benzene	8.409	78	553804	23.75	ug/L	98
48) TAME	8.494	73	449463	31.96	ug/L	98
49) Isobutyl alcohol	8.567	43	83755	451.26	ug/L	97
51) 1,2-Dichloroethane	8.622	62	207493	22.94	ug/L	98
52) Tert Amyl Alcohol	8.677	59	80310	221.72	ug/L	95
53) Trichloroethene	9.012	95	158371	25.49	ug/L	96
54) Methylcyclohexane	9.012	83	213431	29.43	ug/L	99
55) Dibromomethane	9.463	93	89843	22.68	ug/L	95
56) 1,2-Dichloropropane	9.555	63	134077	23.12	ug/L	98
57) Bromodichloromethane	9.603	83	175931	23.86	ug/L	97
58) Methyl methacrylate	9.725	41	100256	21.43	ug/L	99
59) 1,4-Dioxane	9.811	88	27154	537.72	ug/L	93
60) 2-Chloroethyl vinyl ether	10.146	63	466918	121.13	ug/L	99
61) cis-1,3-Dichloropropene	10.244	75	187995	22.76	ug/L	99
64) Toluene	10.481	91	603763	22.89	ug/L	98
65) 2-Nitropropane	10.713	41	164828	105.02	ug/L	96
66) 4-Methyl-2-pentanone	10.829	43	687846	110.41	ug/L	100
67) trans-1,3-Dichloropropene	10.884	75	185324	24.40	ug/L	98
68) Tetrachloroethene	10.884	166	191185	24.33	ug/L	95
69) Ethyl methacrylate	10.993	69	141901	20.14	ug/L	95
70) 1,1,2-Trichloroethane	11.048	83	105529	22.15	ug/L	96
71) Dibromochloromethane	11.243	129	141278	21.50	ug/L	98
72) 1,3-Dichloropropane	11.335	76	201656	20.44	ug/L	99
73) 1,2-Dibromoethane	11.506	107	134766	22.05	ug/L	99
74) 3,3-dimethyl-1-butanol	11.597	57	499832	1208.99	ug/L	99
75) 2-hexanone	11.652	43	478690	113.93	ug/L	99
76) 1-Chlorohexane	11.944	91	186282m	25.80	ug/L	
77) Ethylbenzene	12.005	91	697243	23.05	ug/L	99
78) Chlorobenzene	12.012	112	411094	22.83	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	143056	22.93	ug/L	99
80) m,p-Xylene	12.146	91	1055176	46.22	ug/L	98
81) o-Xylene	12.591	91	509961	23.12	ug/L	97
82) Styrene	12.639	104	355605	23.01	ug/L	98
83) Bromoform	12.700	173	86433	21.90	ug/L	98
84) Isopropylbenzene	12.889	105	644740	24.02	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	42792	19.96	ug/L	87
88) n-Propylbenzene	13.310	91	739773	23.18	ug/L	99
89) Bromobenzene	13.334	156	169772	20.90	ug/L	98
90) 1,1,2,2-Tetrachloroethane	13.377	83	177193	22.18	ug/L	98
91) 1,3,5-Trimethylbenzene	13.493	105	514973	22.61	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

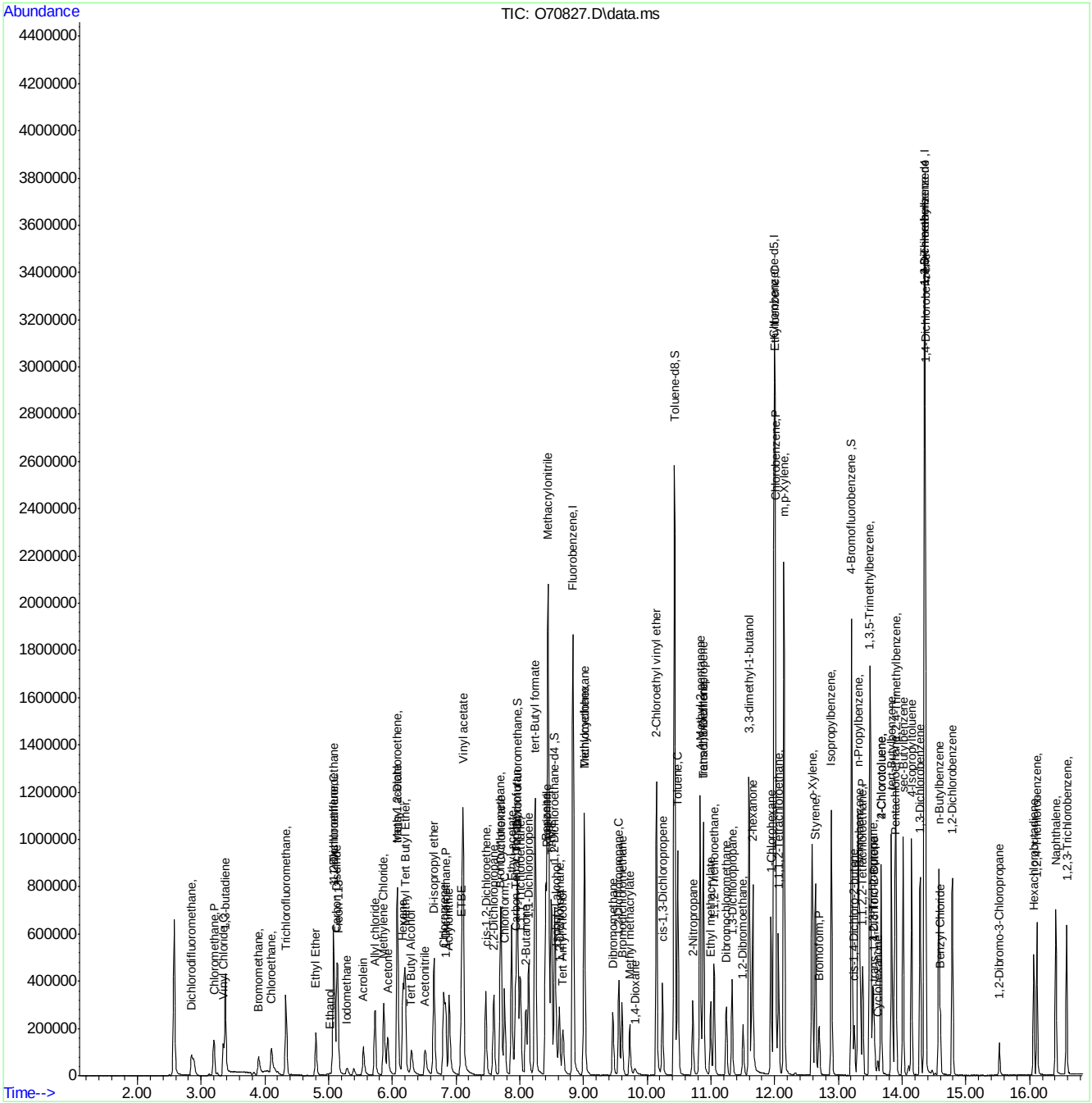
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	13.670	91	446216	22.60	ug/L		98
93)	trans-1,4-Dichloro-2-B...	13.566	53	34354	16.85	ug/L	#	72
94)	1,2,3-Trichloropropane	13.542	110	52625	20.61	ug/L		95
95)	Cyclohexanone	13.621	55	23964	126.44	ug/L		94
96)	4-Chlorotoluene	13.670	91	446216	22.60	ug/L		98
97)	tert-Butylbenzene	13.834	91	282765	23.12	ug/L		100
99)	1,2,4-Trimethylbenzene	13.901	105	513656	23.27	ug/L		99
100)	Pentachloroethane	13.889	167	91011	21.91	ug/L		96
101)	sec-Butylbenzene	14.017	105	610085	25.01	ug/L		100
102)	4-Isopropyltoluene	14.151	119	521465	24.39	ug/L		100
103)	1,3-Dichlorobenzene	14.285	146	321312	22.74	ug/L		99
104)	1,2,3-Trimethylbenzene	14.359	105	544305	23.26	ug/L		99
105)	1,4-Dichlorobenzene	14.365	146	340989	23.62	ug/L		96
106)	n-Butylbenzene	14.578	92	233587	22.02	ug/L		99
107)	Benzyl Chloride	14.602	126	31811	14.38	ug/L	#	90
108)	1,2-Dichlorobenzene	14.791	146	301488	22.42	ug/L		99
109)	1,2-Dibromo-3-Chloropr...	15.529	75	24636	19.49	ug/L		93
110)	Hexachlorobutadiene	16.066	225	72182	23.51	ug/L		98
111)	1,2,4-Trichlorobenzene	16.120	180	172030	21.23	ug/L		99
112)	Naphthalene	16.413	128	452514	21.82	ug/L		99
113)	1,2,3-Trichlorobenzene	16.584	180	170153	21.31	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

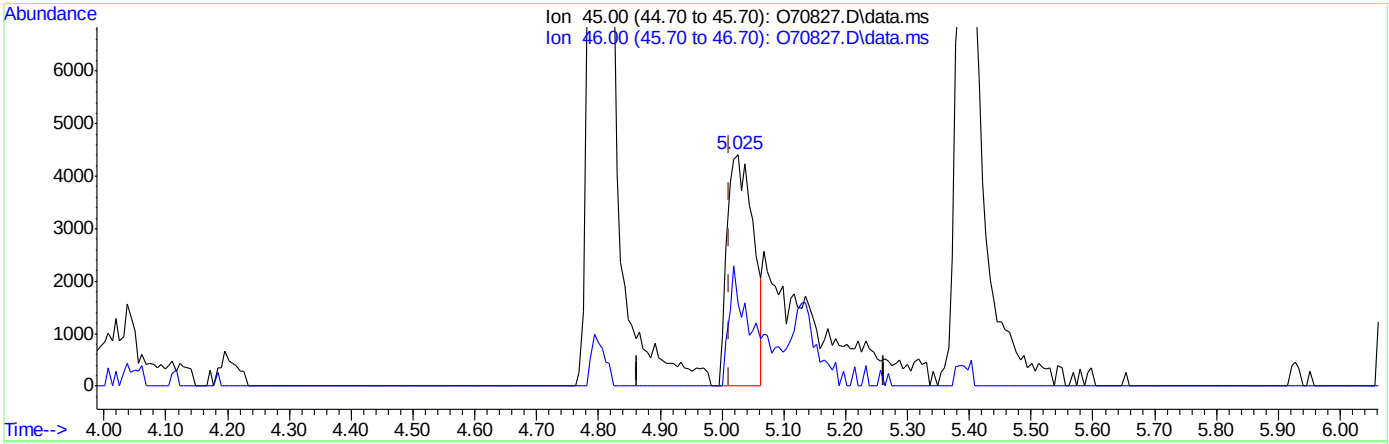
Sample Number: VO2809-BS
Lab FileID: O70827.D
Injection Time: 09/02/22 12:47
Method: SW846 8260D
Analyst approved: 09/02/22 13:05 Jo-Ann Lugo De Jesus
Supervisor approved: 09/07/22 15:45 Karen Watson

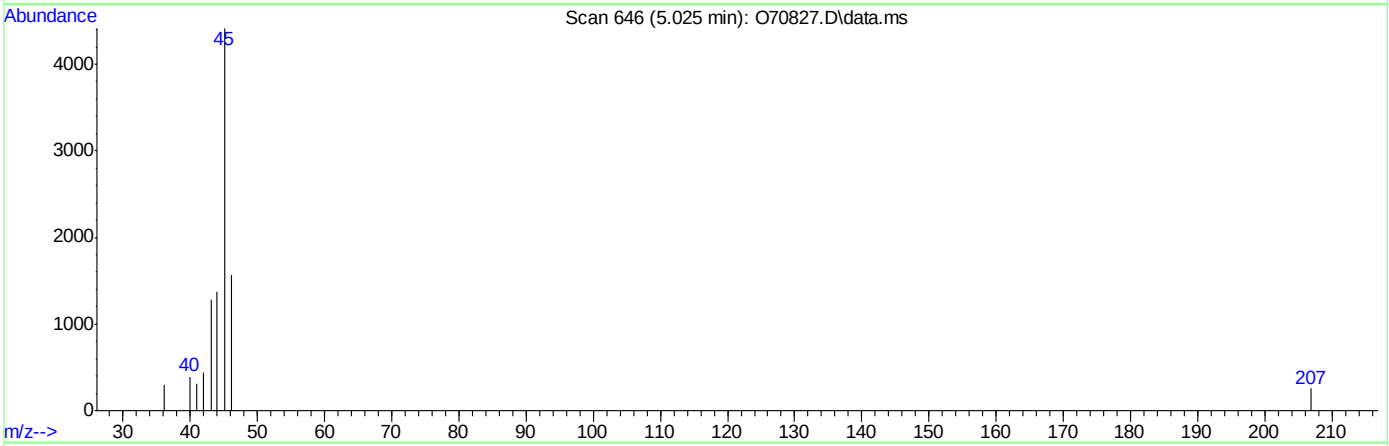
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.03	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:15 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70827.D\data.ms

(10) Ethanol

5.025min (+0.012) 251.50ug/L

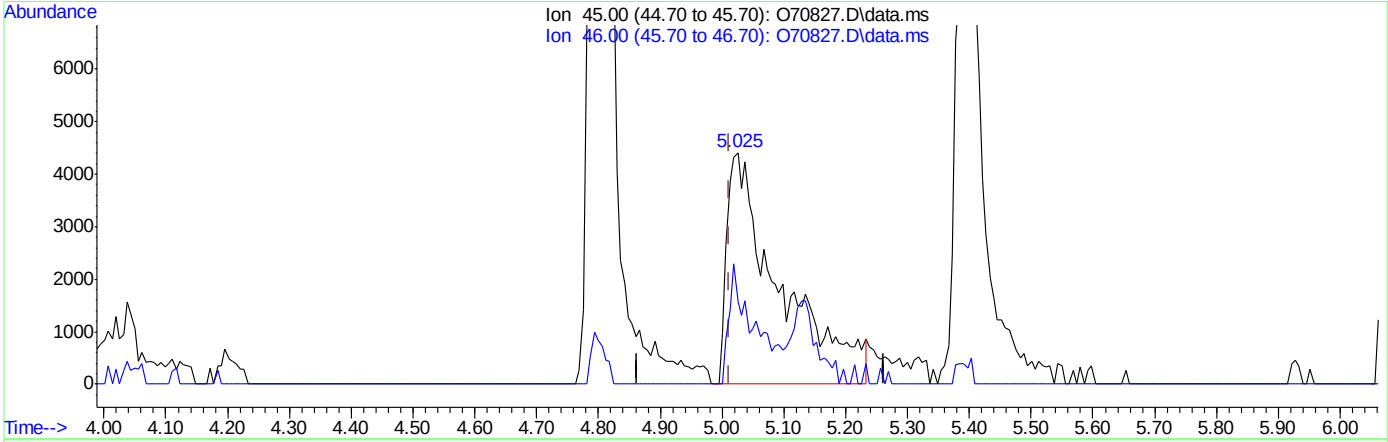
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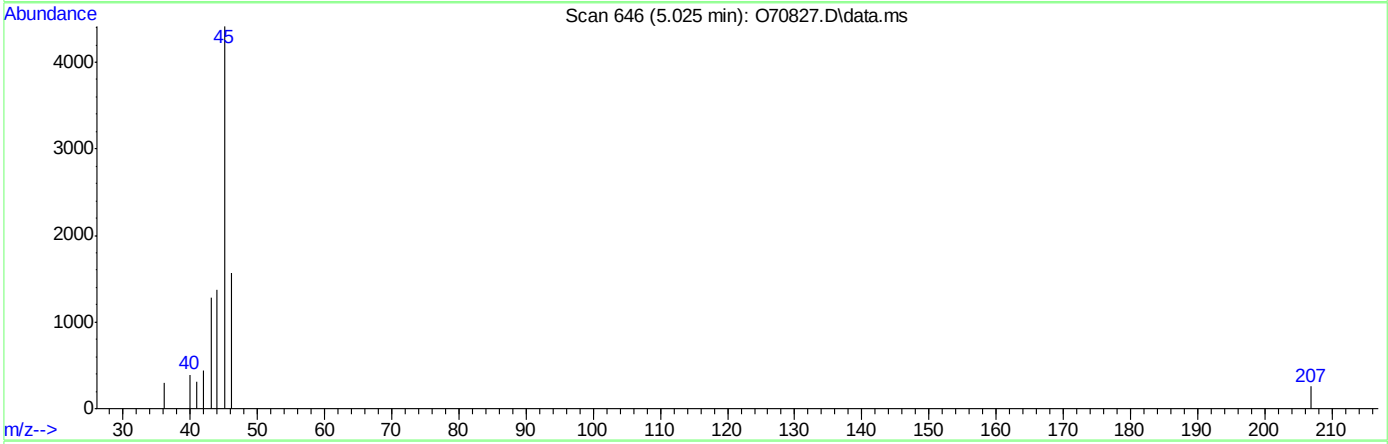
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	35.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:15 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70827.D\data.ms

(10) Ethanol

5.025min (+0.012) 502.07ug/L m

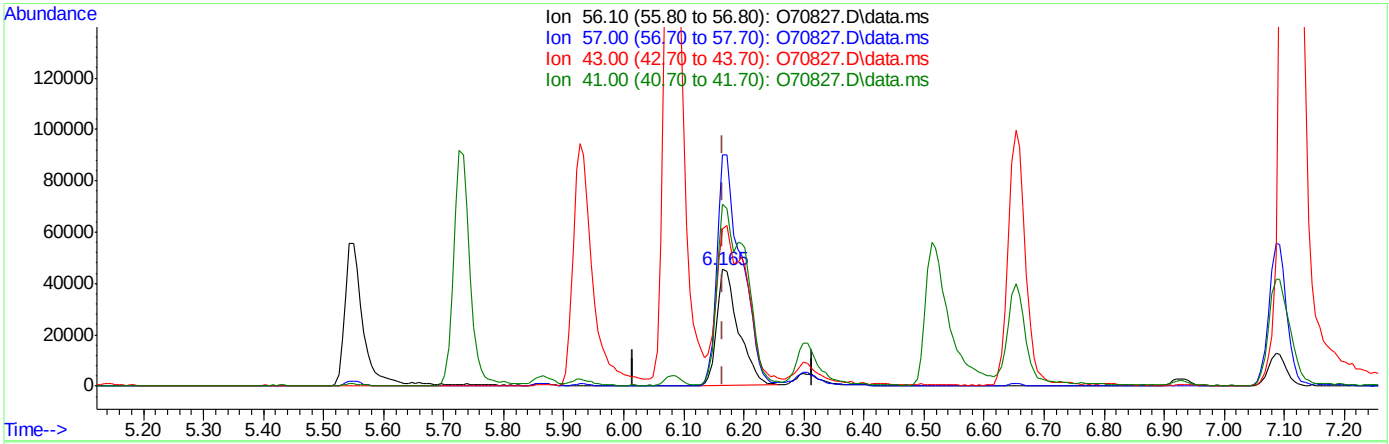
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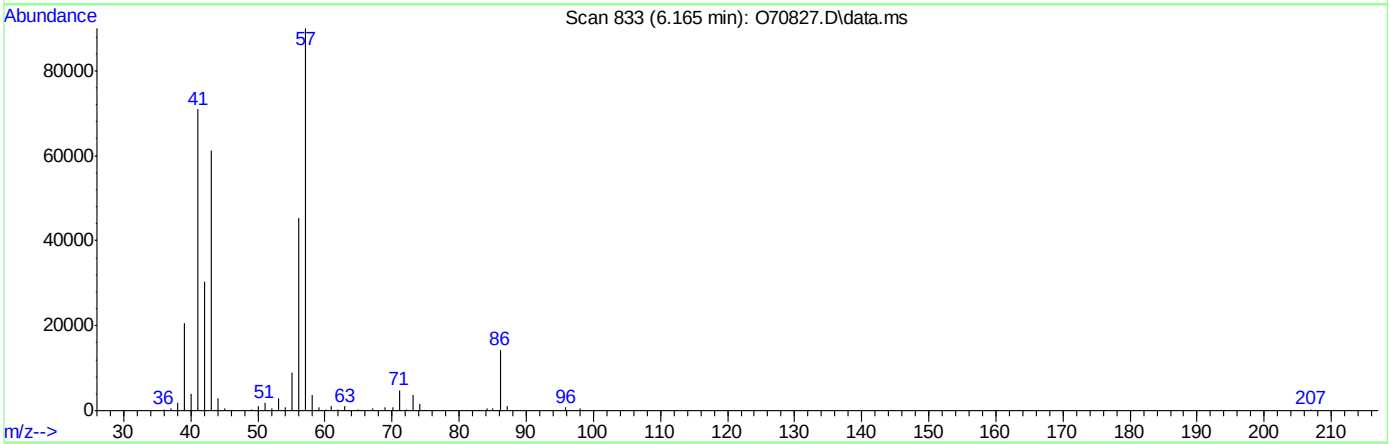
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	35.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:15 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70827.D\data.ms

(22) Hexane

6.165min (+0.000) 33.77ug/L

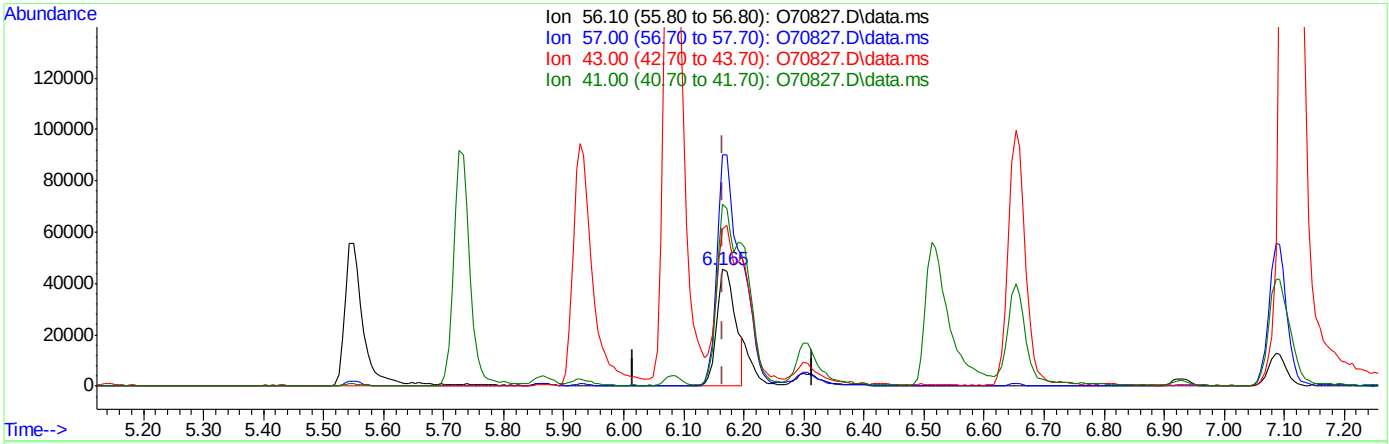
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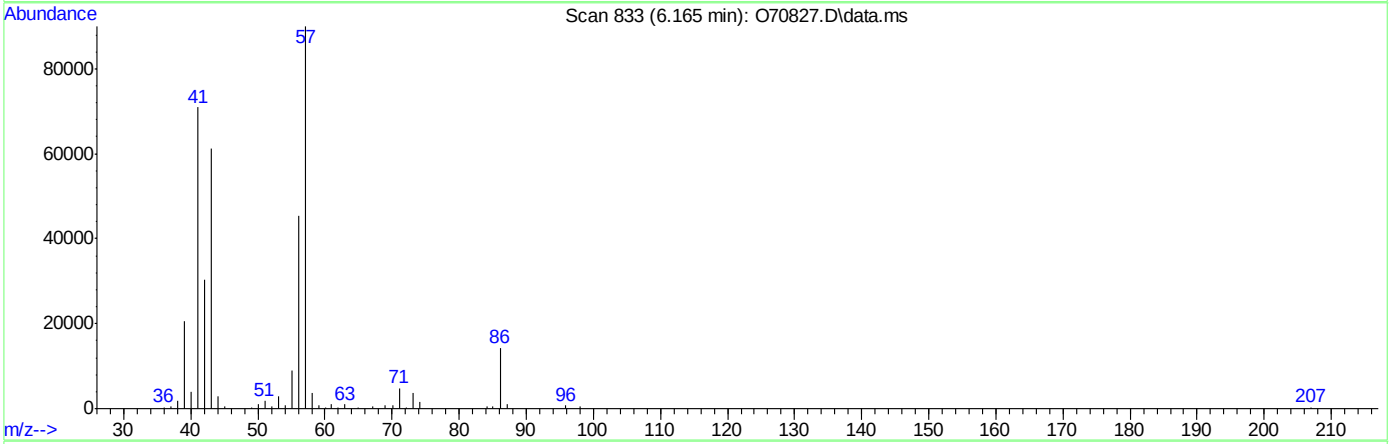
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	198.05
43.00	133.10	127.55
41.00	145.50	154.92

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:15 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70827.D\data.ms

(22) Hexane

6.165min (+0.000) 29.15ug/L m

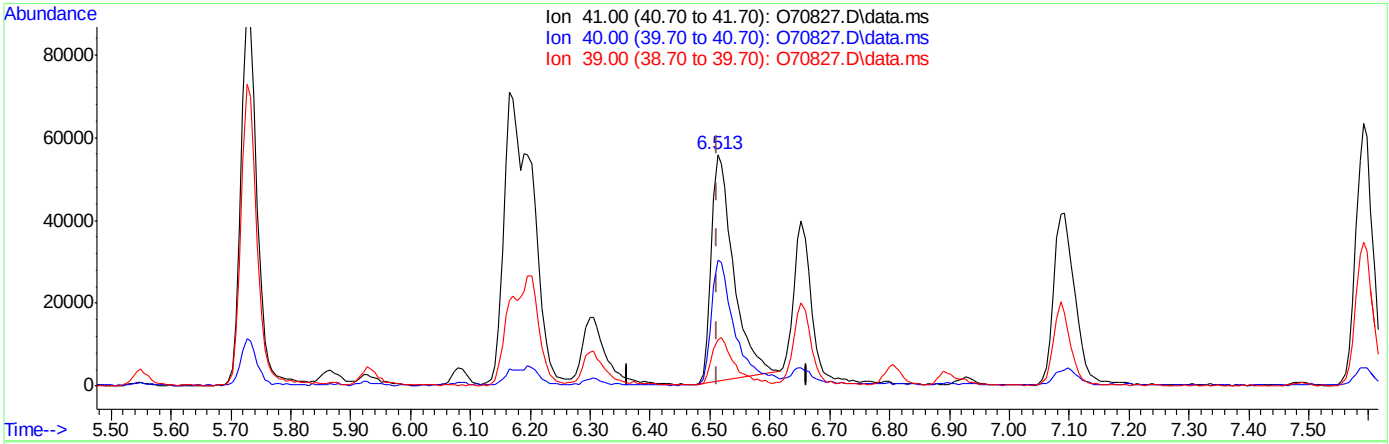
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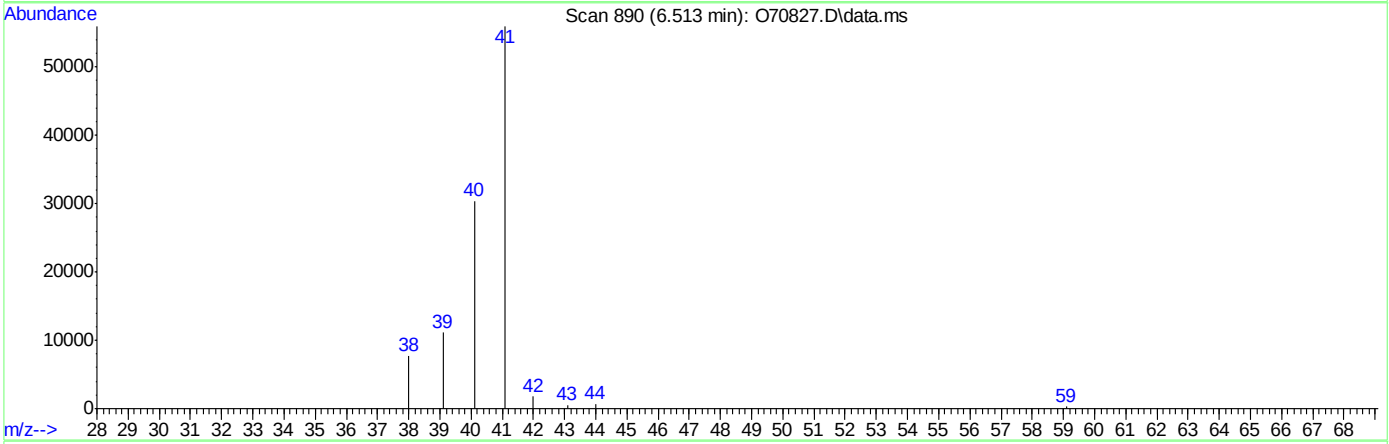
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	198.05
43.00	133.10	134.64
41.00	145.50	156.07

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:15 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70827.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 191.71ug/L

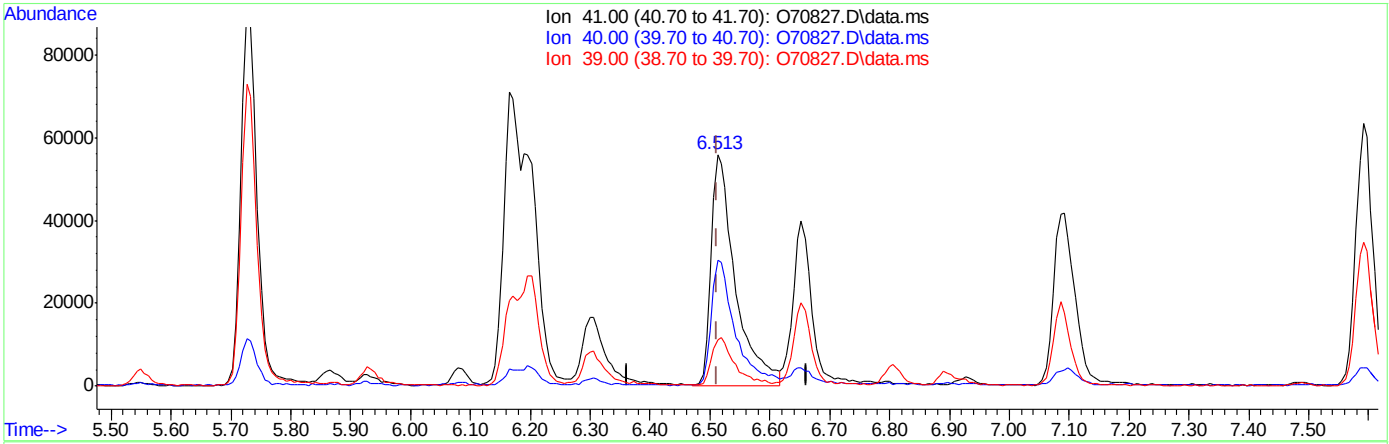
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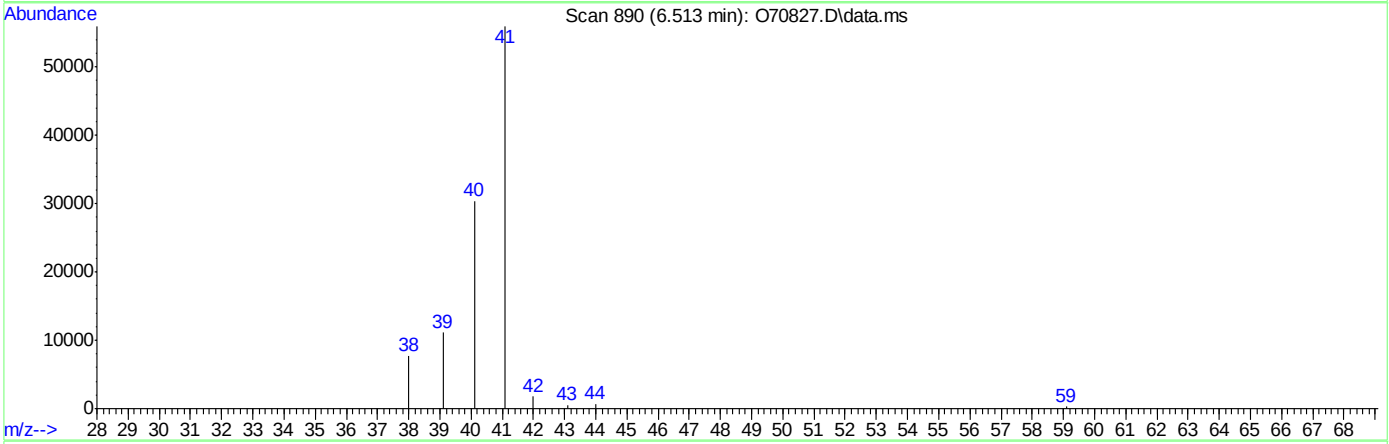
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	53.92
39.00	20.00	19.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:15 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70827.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 214.53ug/L m

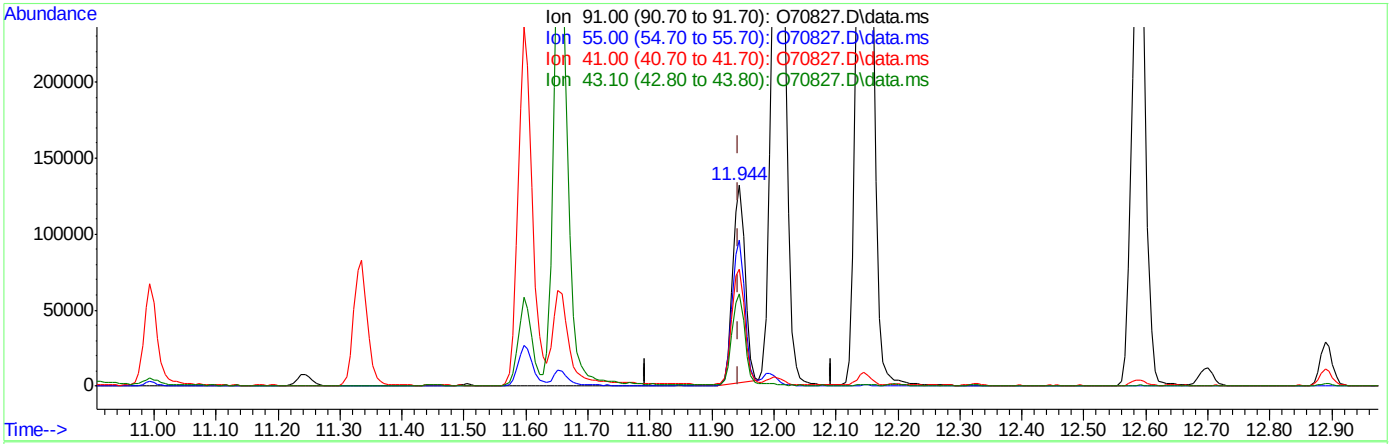
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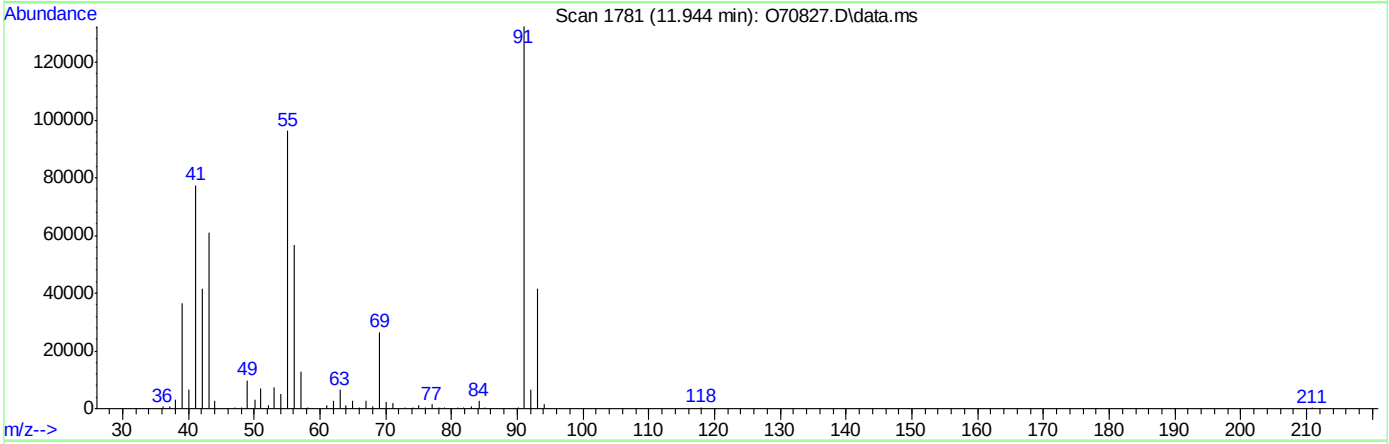
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.28
39.00	20.00	19.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:15 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70827.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 24.80ug/L

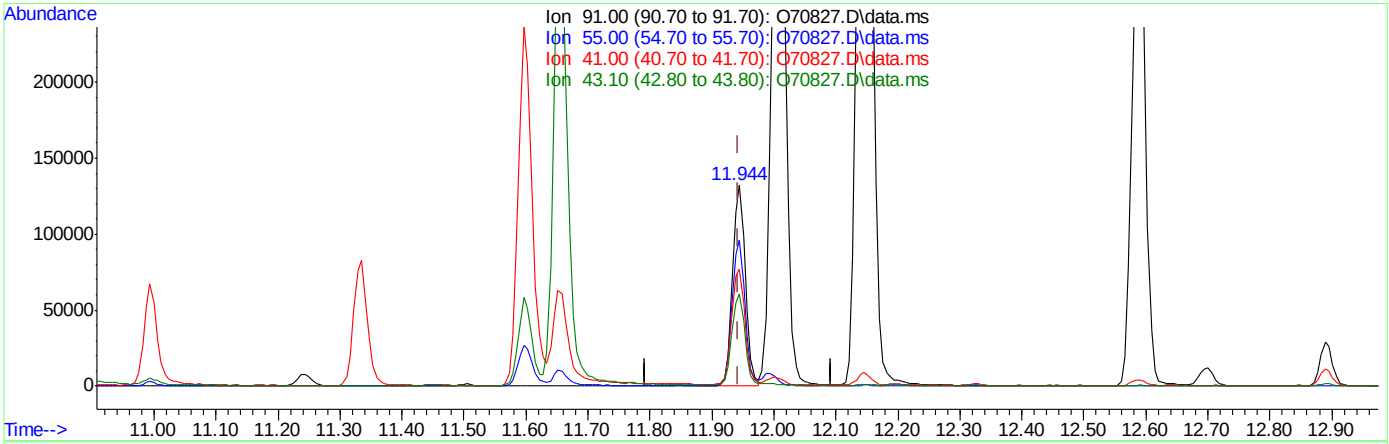
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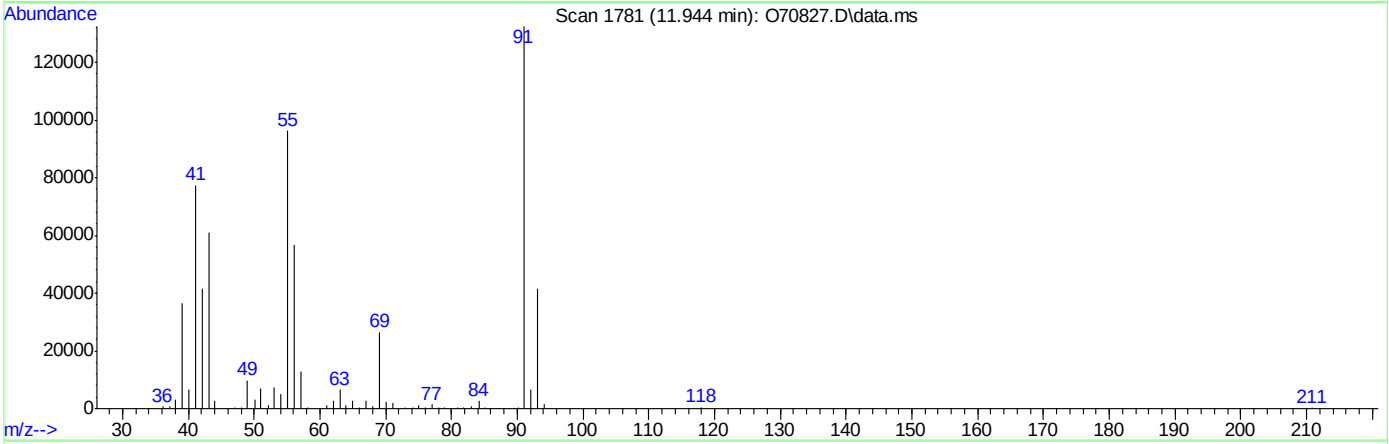
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	72.25
41.00	54.70	57.22
43.10	44.50	45.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:15 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70827.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 25.80ug/L m

response 186282

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	72.65
41.00	54.70	58.37
43.10	44.50	46.02

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 15:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:45:23 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1403173	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1188284	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	624819	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	396699	50.08	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.16%			
50) 1,2-Dichloroethane-d4	8.549	65	405111	49.72	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.44%			
63) Toluene-d8	10.426	98	1397518	46.91	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 93.82%			
86) 4-Bromofluorobenzene	13.213	174	481149	48.09	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.18%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	144979	28.94	ug/L	100
3) Chloromethane	3.202	50	145418	26.01	ug/L	99
4) 1,3-butadiene	3.379	39	138242	26.37	ug/L	98
5) Vinyl Chloride	3.349	62	161891	25.81	ug/L	98
6) Bromomethane	3.897	94	45757	14.63	ug/L	95
7) Chloroethane	4.105	64	108888	25.91	ug/L	97
8) Trichlorofluoromethane	4.330	101	247794	24.90	ug/L	99
9) Ethyl Ether	4.800	59	91657	20.70	ug/L	94
10) Ethanol	5.031	45	23859m	484.67	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	160819	28.11	ug/L	95
12) 1,1-Dichloroethene	5.086	61	201899	25.15	ug/L	98
13) Freon 113	5.141	101	139885	27.53	ug/L	99
14) Carbon Disulfide	5.129	76	288321	20.20	ug/L	97
15) Iodomethane	5.287	142	18611	7.16	ug/L	96
16) Acrolein	5.549	56	86788	80.20	ug/L	99
17) Allyl chloride	5.732	41	159359	24.22	ug/L	99
18) Methylene Chloride	5.866	49	177870	23.74	ug/L	94
19) Acetone	5.927	43	192123	119.73	ug/L	99
20) Methyl acetate	6.080	43	430831	103.26	ug/L	98
21) trans-1,2-Dichloroethene	6.080	61	185301	23.15	ug/L	97
22) Hexane	6.171	56	84420m	26.74	ug/L	
23) Methyl Tert Butyl Ether	6.202	73	349151	25.03	ug/L	96
24) Tert Butyl Alcohol	6.299	59	126875	248.09	ug/L	96
25) Acetonitrile	6.519	41	146257m	209.59	ug/L	
26) Di-isopropyl ether	6.653	45	366749	22.38	ug/L	97
27) Chloroprene	6.805	53	177245	109.67	ug/L	99
28) 1,1-Dichloroethane	6.836	63	246026	24.89	ug/L	99
29) Acrylonitrile	6.891	52	196325	110.71	ug/L	99
30) ETBE	7.086	59	317216	19.97	ug/L	98
31) Vinyl acetate	7.110	43	1105023	101.41	ug/L	98
32) cis-1,2-Dichloroethene	7.470	96	135551	24.00	ug/L	97
33) 2,2-Dichloropropane	7.592	77	143462	18.50	ug/L	98
34) Bromochloromethane	7.695	128	74124	23.54	ug/L	97
35) Cyclohexane	7.707	56	220618	25.51	ug/L	97
36) Chloroform	7.762	83	238243	22.75	ug/L	96
37) Ethyl acetate	7.872	43	544664	102.13	ug/L	99
38) Tetrahydrofuran	7.957	42	38108	22.80	ug/L	95
40) Carbon Tetrachloride	7.939	117	187833	23.34	ug/L	97
41) 1,1,1-Trichloroethane	8.012	97	223705	24.15	ug/L	99
42) 2-Butanone	8.098	43	294601	110.79	ug/L	97
43) 1,1-Dichloropropene	8.140	75	181235	23.72	ug/L	97
44) tert-Butyl formate	8.244	59	2654	0.72	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:45:23 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	8.421	54	174077	201.69	ug/L		99
46)	Methacrylonitrile	8.445	41	883349	218.35	ug/L		99
47)	Benzene	8.409	78	503970	22.80	ug/L		98
48)	TAME	8.494	73	383964	28.89	ug/L		95
49)	Isobutyl alcohol	8.567	43	74292	422.88	ug/L		92
51)	1,2-Dichloroethane	8.622	62	191444	22.33	ug/L		98
52)	Tert Amyl Alcohol	8.683	59	64353	187.44	ug/L		87
53)	Trichloroethene	9.018	95	306555	51.17	ug/L		95
54)	Methylcyclohexane	9.012	83	194964	28.42	ug/L		99
55)	Dibromomethane	9.463	93	82038	21.85	ug/L		96
56)	1,2-Dichloropropane	9.561	63	118871	21.62	ug/L		99
57)	Bromodichloromethane	9.603	83	155017	22.18	ug/L		95
58)	Methyl methacrylate	9.725	41	86910	19.67	ug/L		98
59)	1,4-Dioxane	9.811	88	23736	495.13	ug/L		97
61)	cis-1,3-Dichloropropene	10.244	75	149456	19.09	ug/L		100
64)	Toluene	10.481	91	546705	21.34	ug/L		100
65)	2-Nitropropane	10.719	41	130085	85.31	ug/L		95
66)	4-Methyl-2-pentanone	10.829	43	629052	103.93	ug/L		99
67)	trans-1,3-Dichloropropene	10.884	75	153599	20.82	ug/L		95
68)	Tetrachloroethene	10.884	166	170677	22.36	ug/L		96
69)	Ethyl methacrylate	10.993	69	124882	18.29	ug/L		97
70)	1,1,2-Trichloroethane	11.048	83	99178	21.43	ug/L		96
71)	Dibromochloromethane	11.243	129	122288	19.16	ug/L		98
72)	1,3-Dichloropropane	11.335	76	180565	18.83	ug/L		100
73)	1,2-Dibromoethane	11.506	107	119685	20.16	ug/L		97
74)	3,3-dimethyl-1-butanol	11.597	57	447679	1121.42	ug/L		99
75)	2-hexanone	11.658	43	438993	107.54	ug/L		99
76)	1-Chlorohexane	11.944	91	159186m	22.69	ug/L		
77)	Ethylbenzene	12.005	91	628211	21.38	ug/L		99
78)	Chlorobenzene	12.012	112	374614	21.41	ug/L		99
79)	1,1,1,2-Tetrachloroethane	12.060	131	129033	21.29	ug/L		98
80)	m,p-Xylene	12.146	91	942095	42.48	ug/L		98
81)	o-Xylene	12.591	91	451897	21.08	ug/L		97
82)	Styrene	12.639	104	322163	21.45	ug/L		98
83)	Bromoform	12.700	173	73829	19.26	ug/L		96
84)	Isopropylbenzene	12.889	105	568150	21.78	ug/L		99
87)	cis-1,4-Dichloro-2-butene	13.249	53	31807	15.45	ug/L		88
88)	n-Propylbenzene	13.310	91	655197	21.13	ug/L		100
89)	Bromobenzene	13.334	156	154262	19.55	ug/L		99
90)	1,1,2,2-Tetrachloroethane	13.383	83	156576	20.17	ug/L		99
91)	1,3,5-Trimethylbenzene	13.493	105	454652	20.55	ug/L		98
92)	2-Chlorotoluene	13.670	91	394230	20.56	ug/L		99
93)	trans-1,4-Dichloro-2-B...	13.566	53	25965	13.11	ug/L	#	73
94)	1,2,3-Trichloropropane	13.542	110	47723	19.24	ug/L		95
95)	Cyclohexanone	13.621	55	16863	91.56	ug/L		97
96)	4-Chlorotoluene	13.670	91	394230	20.56	ug/L		99
97)	tert-Butylbenzene	13.834	91	247475	20.83	ug/L		99
99)	1,2,4-Trimethylbenzene	13.901	105	454916	21.22	ug/L		98
100)	Pentachloroethane	13.889	167	80708	20.06	ug/L		98
101)	sec-Butylbenzene	14.017	105	536945	22.66	ug/L		100
102)	4-Isopropyltoluene	14.151	119	454658	21.89	ug/L		100
103)	1,3-Dichlorobenzene	14.286	146	288053	20.99	ug/L		99
104)	1,2,3-Trimethylbenzene	14.359	105	484959	21.34	ug/L		99
105)	1,4-Dichlorobenzene	14.371	146	306658	21.89	ug/L		98
106)	n-Butylbenzene	14.578	92	192761	18.71	ug/L		96
107)	Benzyl Chloride	14.602	126	19842	9.49	ug/L		95
108)	1,2-Dichlorobenzene	14.791	146	267560	20.49	ug/L		100
109)	1,2-Dibromo-3-Chloropr...	15.529	75	20729	16.88	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:45:23 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) Hexachlorobutadiene	16.066	225	59949	20.08	ug/L	98
111) 1,2,4-Trichlorobenzene	16.121	180	146957	18.67	ug/L	96
112) Naphthalene	16.413	128	380005	18.92	ug/L	99
113) 1,2,3-Trichlorobenzene	16.584	180	147463	19.01	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

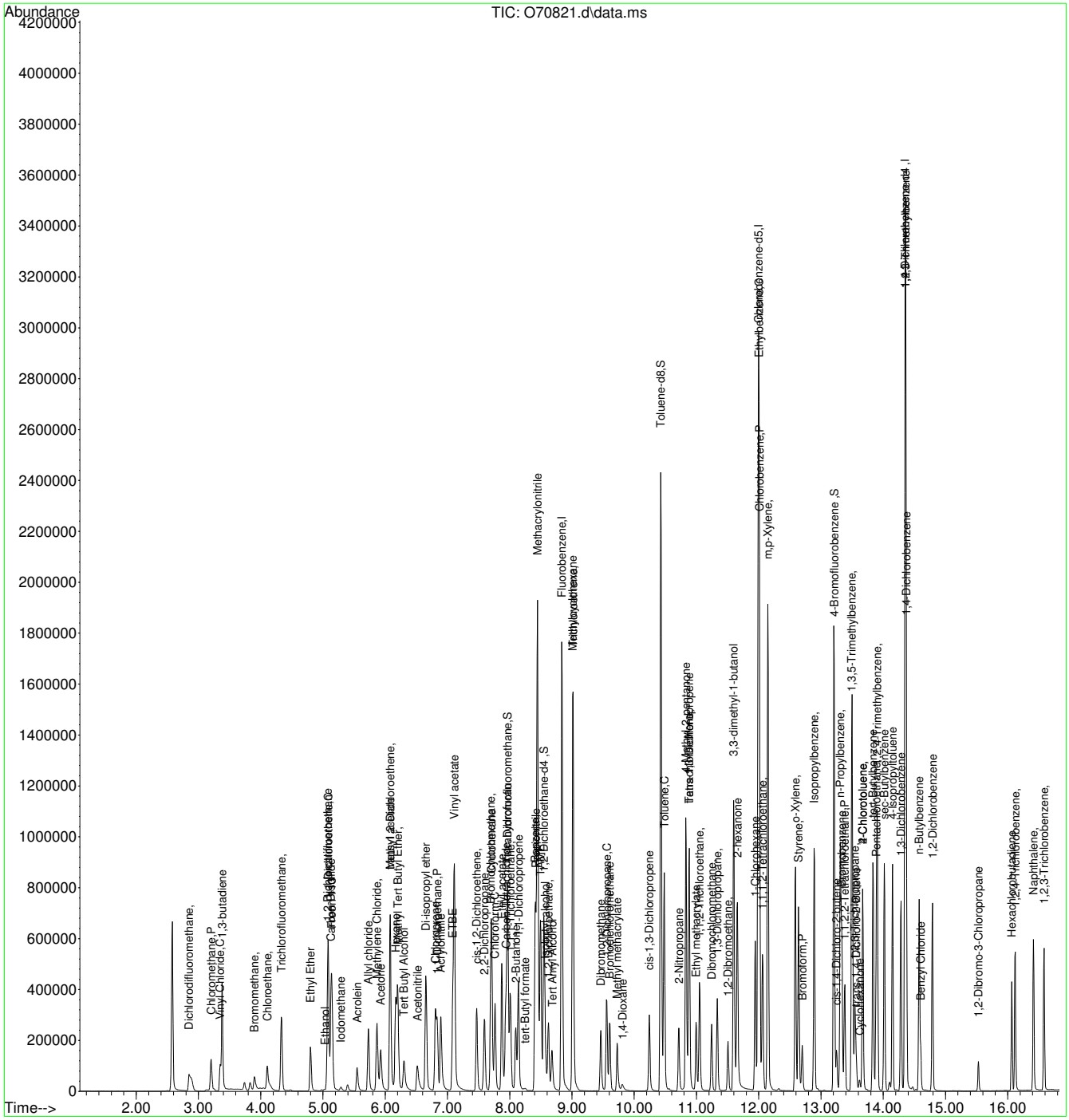
7.4.1

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:45:23 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

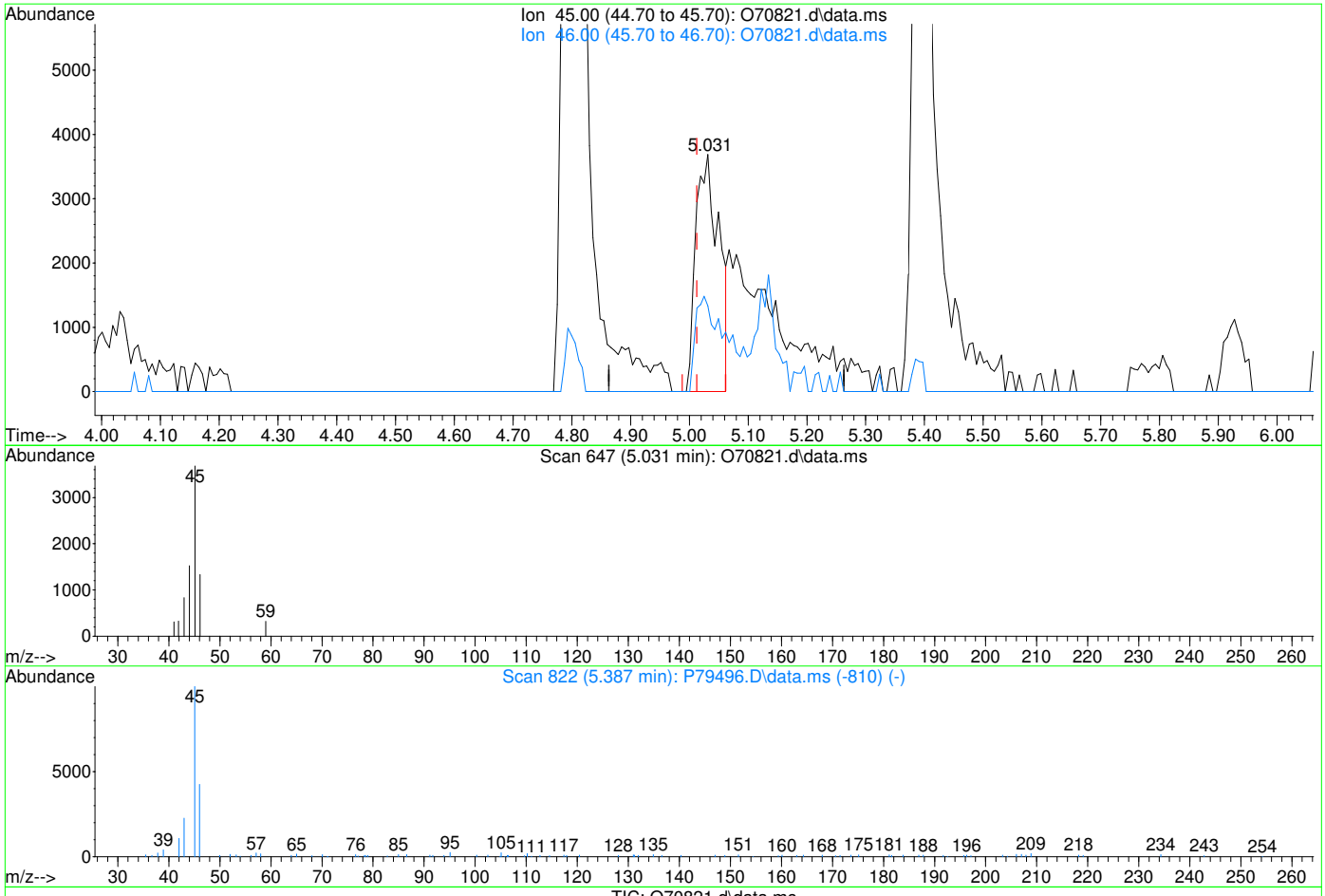
Sample Number: FA98452-2MS
Lab FileID: O70821.D
Injection Time: 09/01/22 21:28
Method: SW846 8260D
Analyst approved: 09/02/22 08:09 Jo-Ann Lugo De Jesus
Supervisor approved: 09/07/22 15:52 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.03	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.52	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:32:47 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



TIC: O70821.d\data.ms

(10) Ethanol

5.031min (+0.018) 206.93ug/L

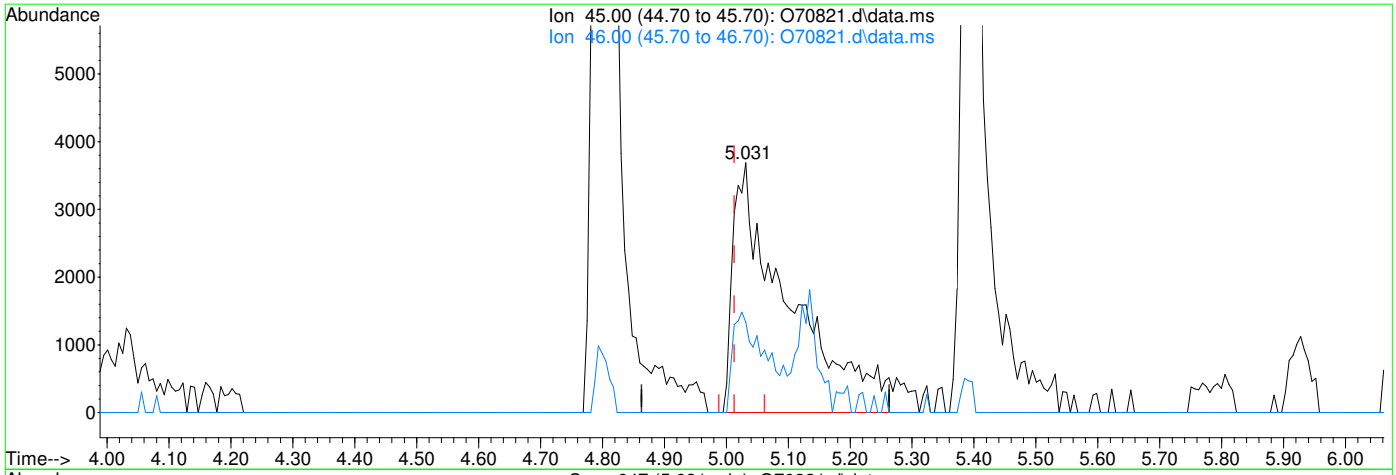
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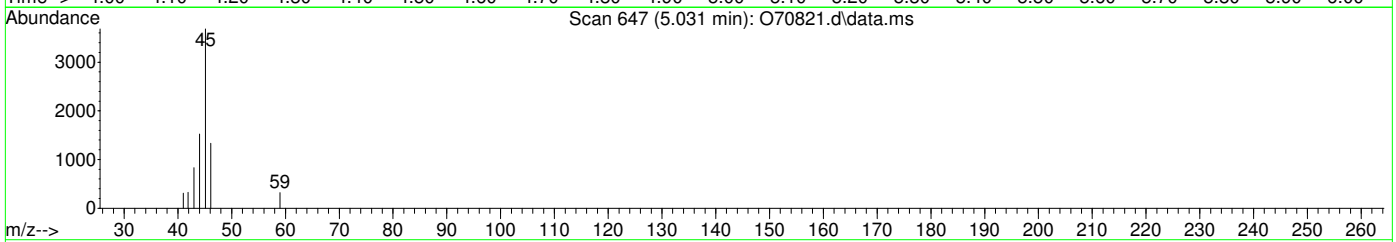
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	36.19
0.00	0.00	0.00
0.00	0.00	0.00

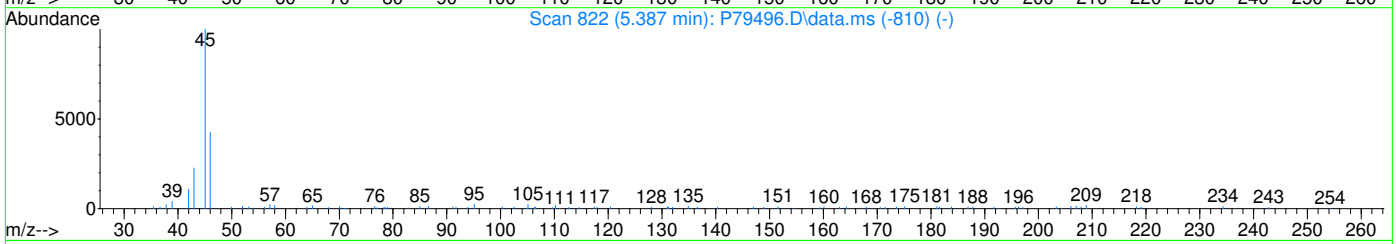
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:32:47 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70821.d\data.ms

(10) Ethanol

5.031min (+0.018) 484.67ug/L m

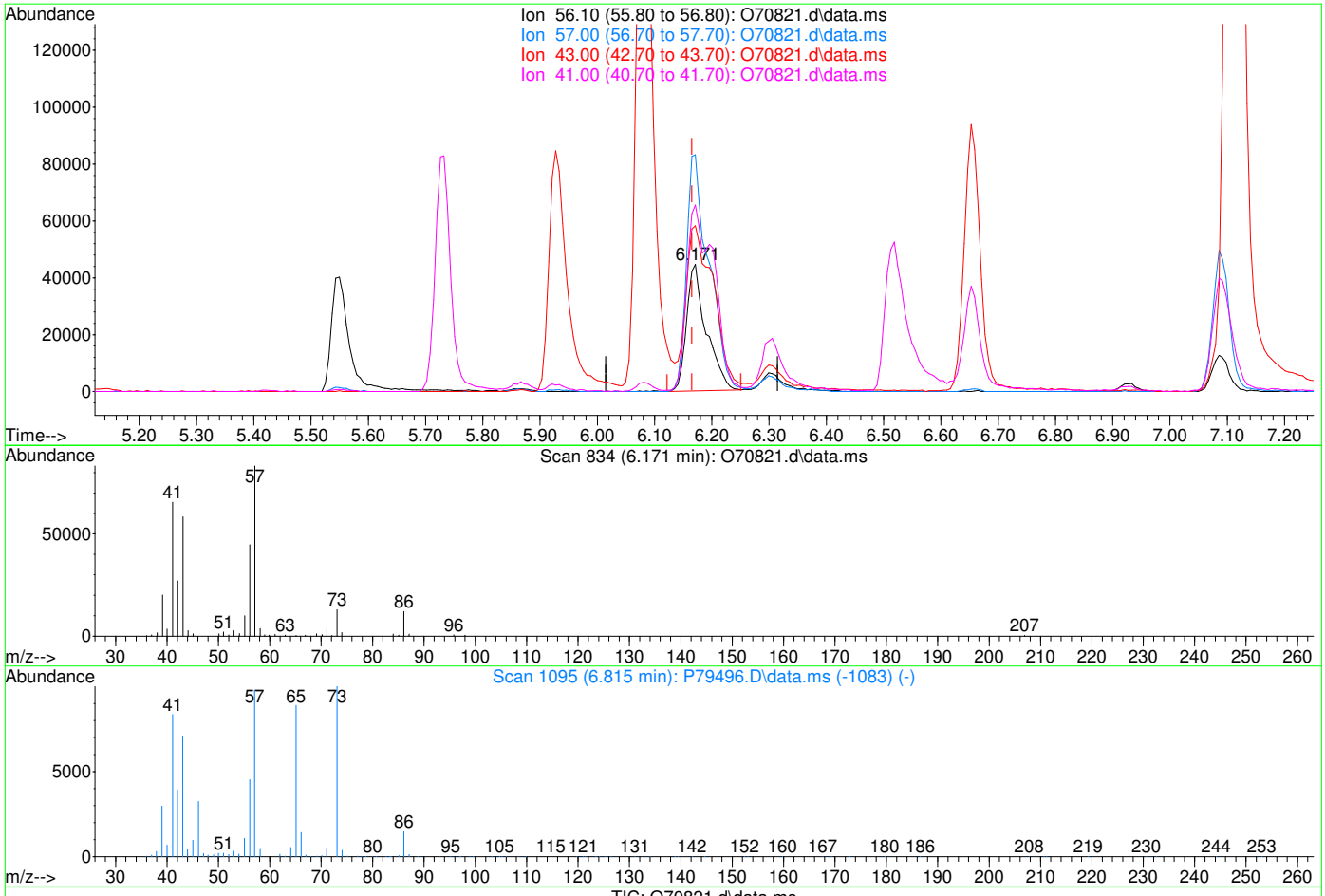
response 23859

Ion	Exp%	Act%
45.00	100	100
46.00	37.00	36.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:32:47 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



TIC: O70821.d\data.ms

(22) Hexane

6.171min (+0.006) 33.64ug/L

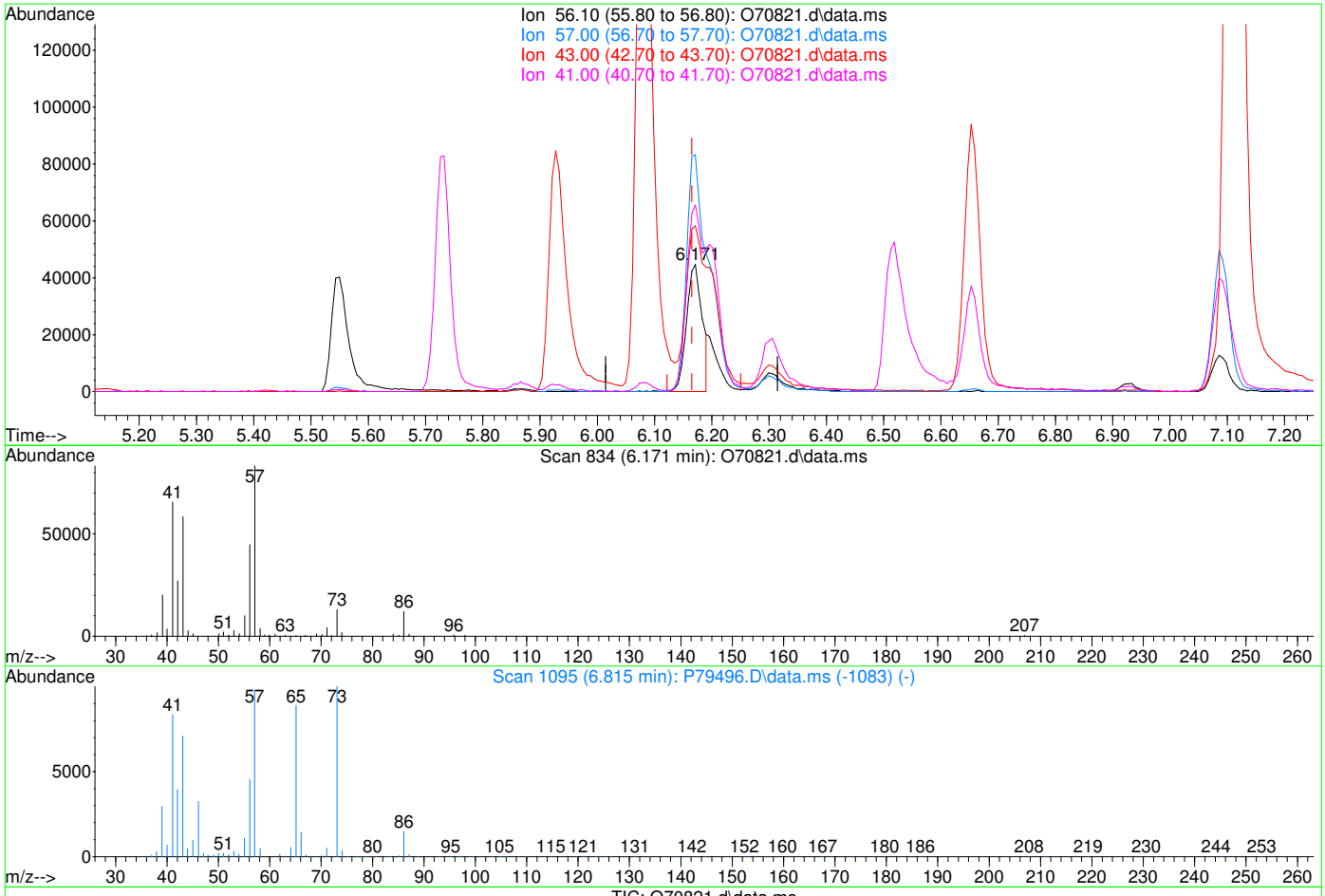
response 107104

Ion	Exp%	Act%
56.10	100	100
57.00	197.60	186.03
43.00	133.10	124.05
41.00	145.50	145.35

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:32:47 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



TIC: O70821.d\data.ms

(22) Hexane

6.171min (+0.006) 26.74ug/L m

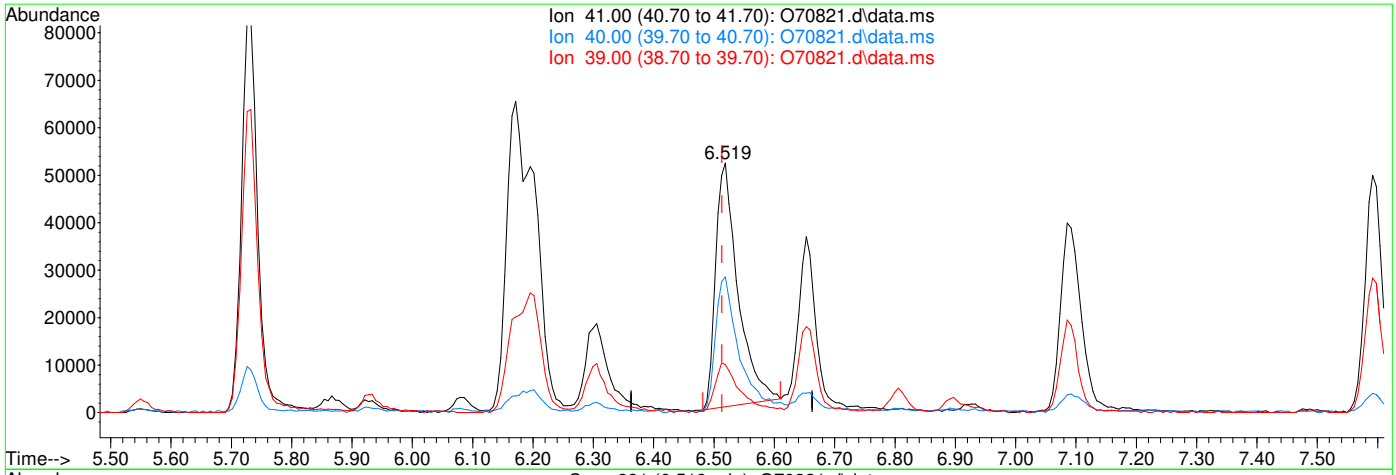
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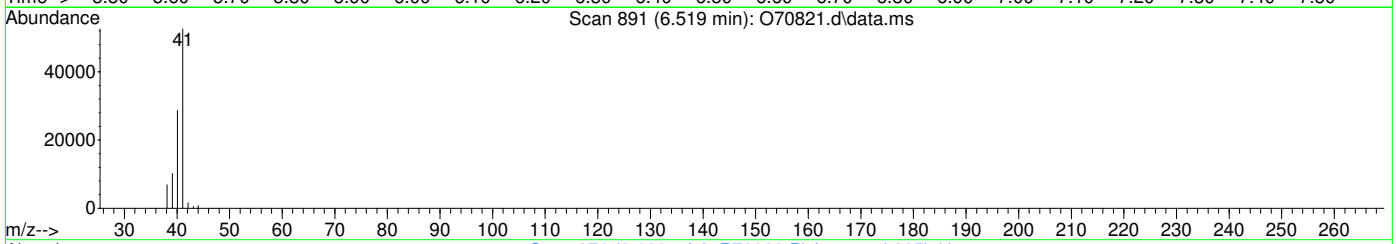
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	186.03
43.00	133.10	130.24
41.00	145.50	146.43

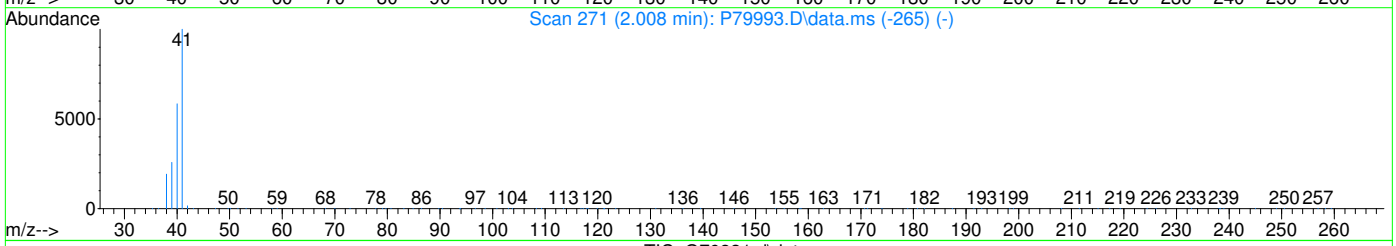
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:32:47 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70821.d\data.ms

(25) Acetonitrile

6.519min (+0.006) 190.85ug/L

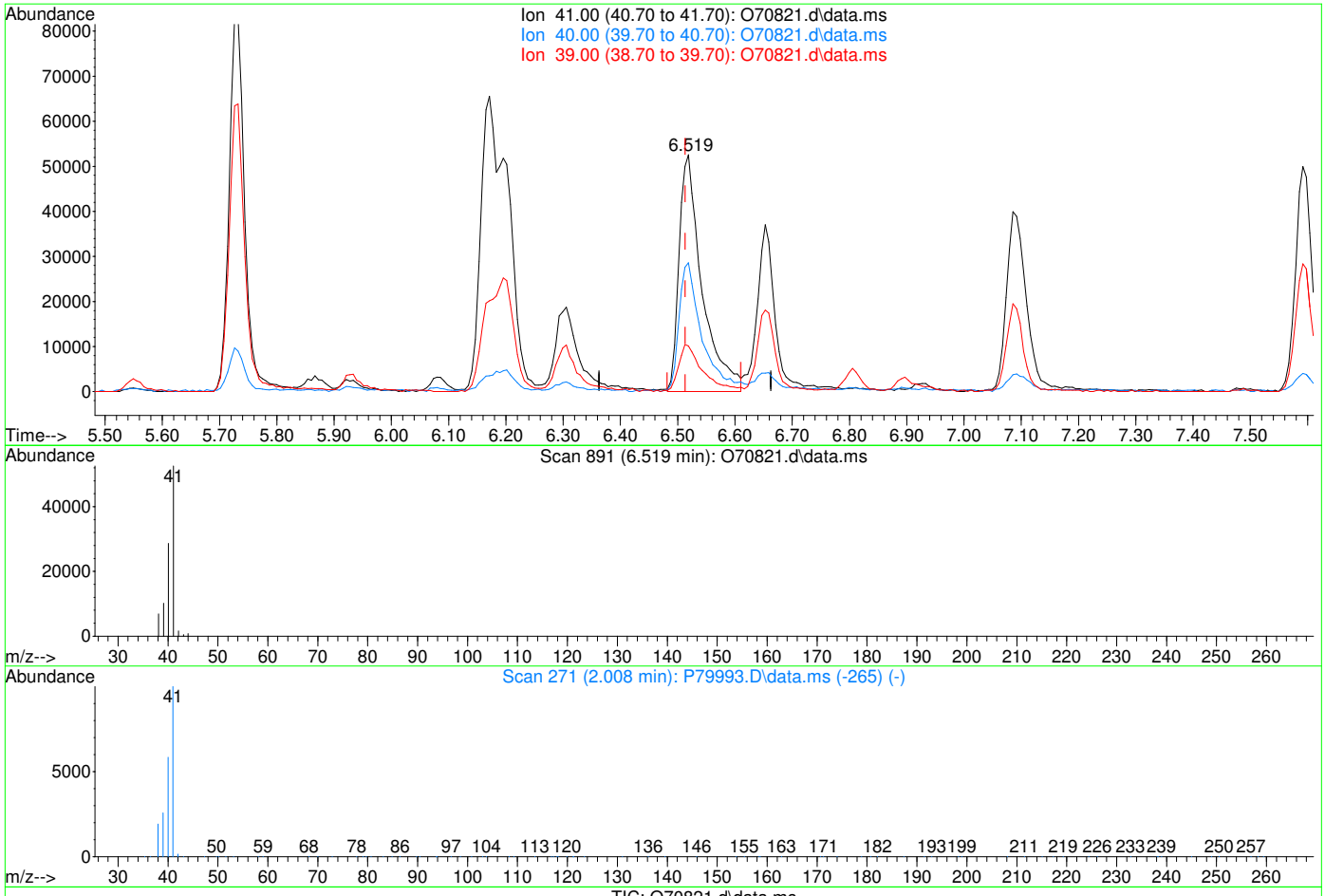
response 133159

Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.24
39.00	20.00	18.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:32:47 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



TIC: O70821.d\data.ms

(25) Acetonitrile

6.519min (+0.006) 209.59ug/L m

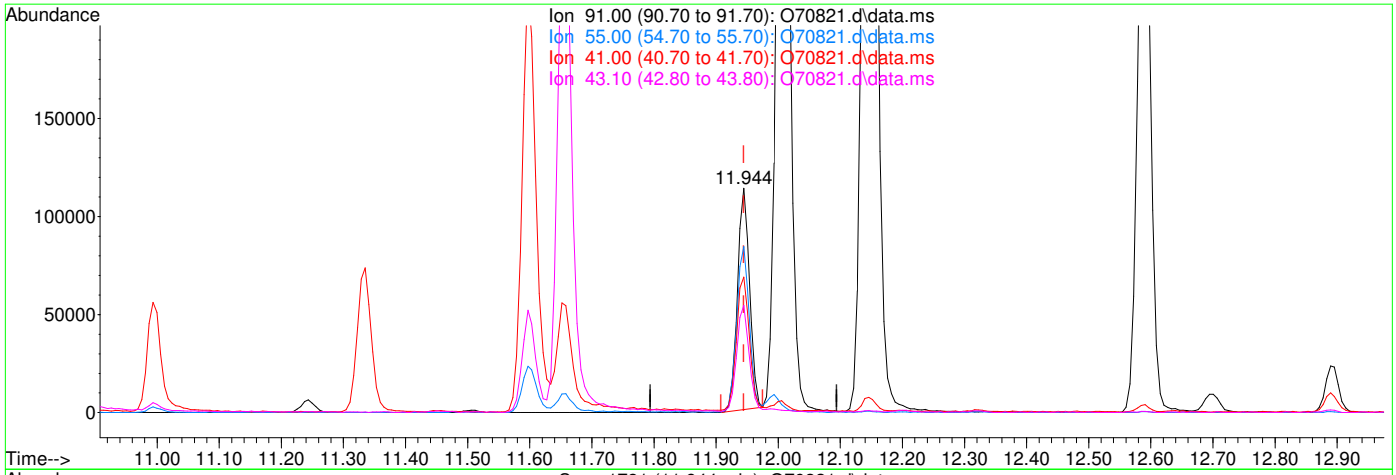
response 146257

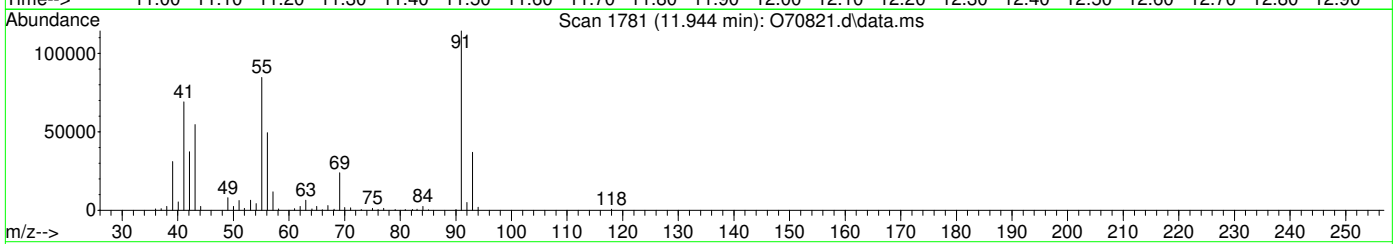
Ion	Exp%	Act%
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40.00	53.20	54.39
39.00	20.00	19.27
0.00	0.00	0.00

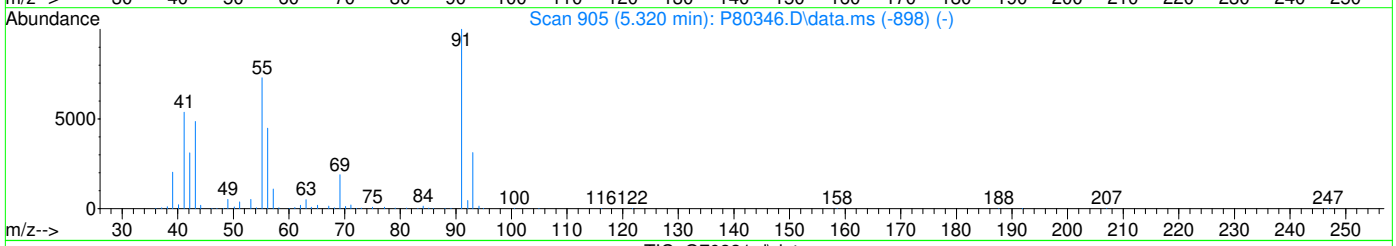
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:32:47 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70821.d\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 21.88ug/L

response 153464

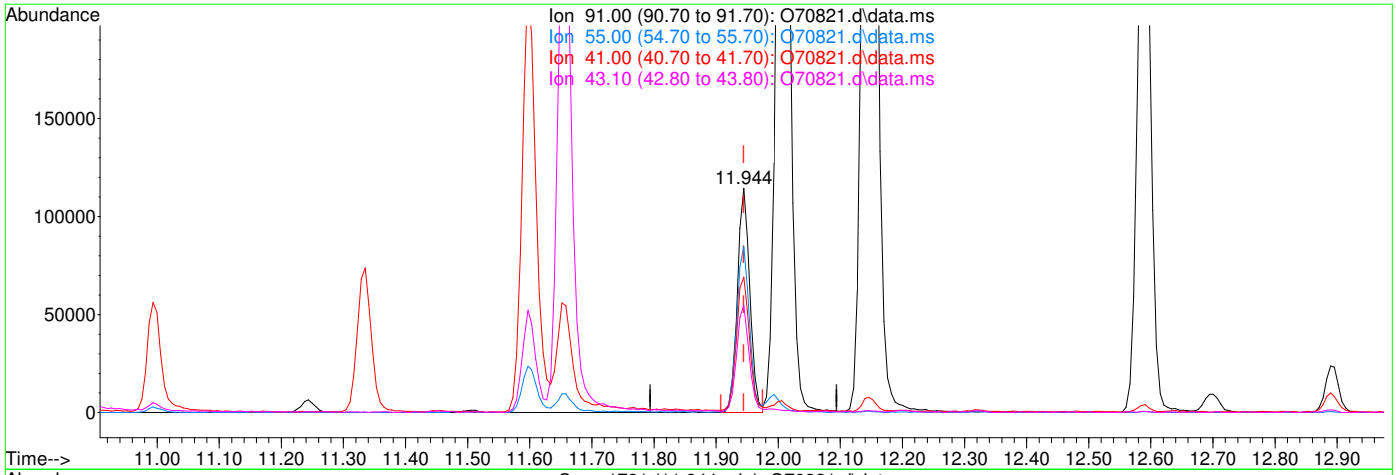
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	73.62
41.00	54.70	59.34
43.10	44.50	47.25

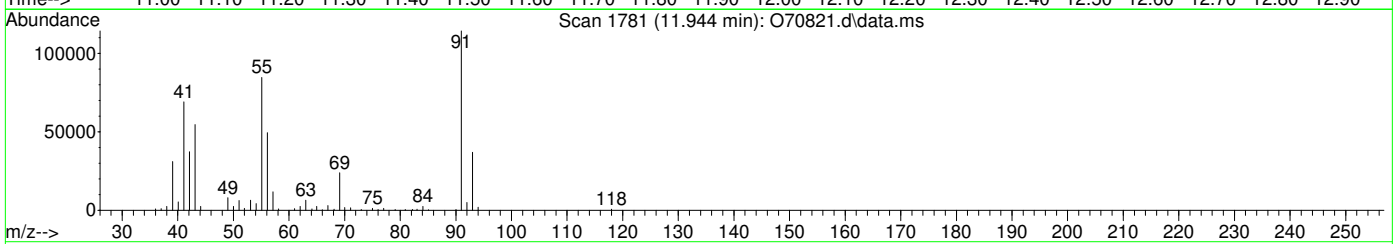
O70821.D edits: 1-Chlorohexane

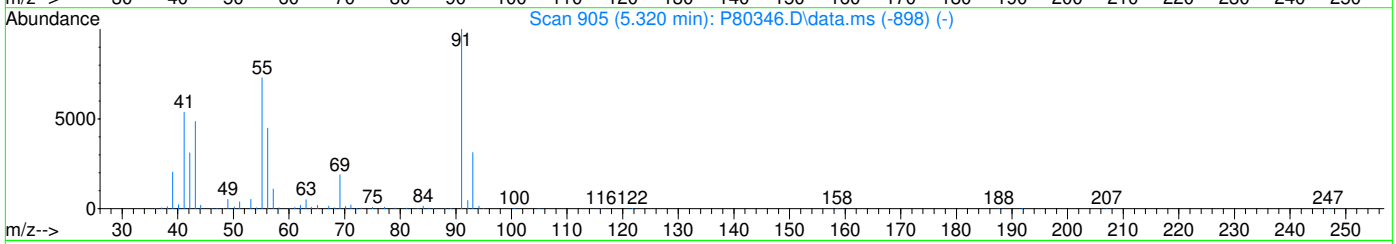
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:32:47 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70821.d\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 22.69ug/L m

response 159186

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	73.96
41.00	54.70	60.43
43.10	44.50	47.78

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 15:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:47:58 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1487089	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1227778	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	644942	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	413724	49.28	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.56%		
50) 1,2-Dichloroethane-d4	8.549	65	416618	48.24	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	96.48%		
63) Toluene-d8	10.426	98	1472632	47.84	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	95.68%		
86) 4-Bromofluorobenzene	13.212	174	505925	48.99	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	97.98%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	163430	30.79	ug/L	98
3) Chloromethane	3.202	50	166401	28.11	ug/L	99
4) 1,3-butadiene	3.379	39	146107	26.30	ug/L	97
5) Vinyl Chloride	3.348	62	184752	27.80	ug/L	99
6) Bromomethane	3.897	94	58256	17.59	ug/L	94
7) Chloroethane	4.104	64	125100	28.37	ug/L	93
8) Trichlorofluoromethane	4.330	101	271027	25.70	ug/L	98
9) Ethyl Ether	4.799	59	99811	21.27	ug/L	98
10) Ethanol	5.019	45	28410m	543.08	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	177203	29.22	ug/L	98
12) 1,1-Dichloroethene	5.086	61	213079	25.04	ug/L	97
13) Freon 113	5.141	101	142134	26.42	ug/L	98
14) Carbon Disulfide	5.129	76	315710	20.86	ug/L	99
15) Iodomethane	5.293	142	34578	11.95	ug/L	99
16) Acrolein	5.549	56	93717	81.72	ug/L	100
17) Allyl chloride	5.726	41	166814	23.93	ug/L	99
18) Methylene Chloride	5.866	49	192542	24.25	ug/L	98
19) Acetone	5.927	43	202626	119.16	ug/L	98
20) Methyl acetate	6.080	43	461183	104.29	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	201397	23.74	ug/L	97
22) Hexane	6.165	56	87723m	26.23	ug/L	
23) Methyl Tert Butyl Ether	6.195	73	382902	25.90	ug/L	99
24) Tert Butyl Alcohol	6.299	59	138182	254.95	ug/L	95
25) Acetonitrile	6.519	41	153508m	207.57	ug/L	
26) Di-isopropyl ether	6.653	45	397514	22.89	ug/L	98
27) Chloroprene	6.805	53	185870	108.66	ug/L	99
28) 1,1-Dichloroethane	6.836	63	264099	25.21	ug/L	99
29) Acrylonitrile	6.890	52	206219	109.73	ug/L	96
30) ETBE	7.086	59	349610	20.76	ug/L	99
31) Vinyl acetate	7.110	43	1163336	100.74	ug/L	99
32) cis-1,2-Dichloroethene	7.470	96	146628	24.50	ug/L	98
33) 2,2-Dichloropropane	7.592	77	152903	18.61	ug/L	98
34) Bromochloromethane	7.695	128	78421	23.50	ug/L	98
35) Cyclohexane	7.707	56	228311	24.91	ug/L	98
36) Chloroform	7.762	83	256181	23.08	ug/L	98
37) Ethyl acetate	7.872	43	566075	100.16	ug/L	98
38) Tetrahydrofuran	7.957	42	39950	22.56	ug/L	91
40) Carbon Tetrachloride	7.939	117	202502	23.75	ug/L	96
41) 1,1,1-Trichloroethane	8.012	97	240722	24.52	ug/L	99
42) 2-Butanone	8.098	43	307623	109.16	ug/L	99
43) 1,1-Dichloropropene	8.140	75	188966	23.33	ug/L	93
44) tert-Butyl formate	8.250	59	2654	0.68	ug/L #	60

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:47:58 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	8.421	54	184853	202.08	ug/L		99
46)	Methacrylonitrile	8.445	41	929466	216.79	ug/L		98
47)	Benzene	8.408	78	537812	22.96	ug/L		97
48)	TAME	8.494	73	421094	29.86	ug/L		97
49)	Isobutyl alcohol	8.567	43	75288	404.74	ug/L		91
51)	1,2-Dichloroethane	8.622	62	206454	22.73	ug/L		98
52)	Tert Amyl Alcohol	8.683	59	69721	191.62	ug/L		91
53)	Trichloroethene	9.018	95	329085	51.81	ug/L		96
54)	Methylcyclohexane	9.012	83	198298	27.34	ug/L		97
55)	Dibromomethane	9.463	93	86662	21.78	ug/L		97
56)	1,2-Dichloropropane	9.555	63	128238	22.01	ug/L		98
57)	Bromodichloromethane	9.603	83	164869	22.26	ug/L		98
58)	Methyl methacrylate	9.725	41	94863	20.24	ug/L		96
59)	1,4-Dioxane	9.811	88	24846	488.93	ug/L		96
61)	cis-1,3-Dichloropropene	10.243	75	161822	19.50	ug/L		100
64)	Toluene	10.481	91	580466	21.93	ug/L		99
65)	2-Nitropropane	10.719	41	140882	89.42	ug/L		96
66)	4-Methyl-2-pentanone	10.829	43	651305	104.14	ug/L		98
67)	trans-1,3-Dichloropropene	10.884	75	167799	22.01	ug/L		95
68)	Tetrachloroethene	10.884	166	175665	22.27	ug/L		97
69)	Ethyl methacrylate	10.993	69	131400	18.62	ug/L		95
70)	1,1,2-Trichloroethane	11.048	83	105384	22.04	ug/L		98
71)	Dibromochloromethane	11.243	129	131979	20.01	ug/L		96
72)	1,3-Dichloropropane	11.335	76	193607	19.55	ug/L		98
73)	1,2-Dibromoethane	11.505	107	126000	20.54	ug/L		99
74)	3,3-dimethyl-1-butanol	11.597	57	482543	1166.18	ug/L		99
75)	2-hexanone	11.658	43	454412	107.74	ug/L		99
76)	1-Chlorohexane	11.944	91	167782m	23.15	ug/L		
77)	Ethylbenzene	12.005	91	658033	21.67	ug/L		99
78)	Chlorobenzene	12.011	112	393137	21.75	ug/L		98
79)	1,1,1,2-Tetrachloroethane	12.060	131	136477	21.80	ug/L		99
80)	m,p-Xylene	12.146	91	991485	43.27	ug/L		99
81)	o-Xylene	12.591	91	479222	21.64	ug/L		98
82)	Styrene	12.639	104	342291	22.06	ug/L		98
83)	Bromoform	12.700	173	80336	20.28	ug/L		98
84)	Isopropylbenzene	12.889	105	595233	22.09	ug/L		99
87)	cis-1,4-Dichloro-2-butene	13.249	53	33257	15.64	ug/L		86
88)	n-Propylbenzene	13.310	91	683508	21.36	ug/L		99
89)	Bromobenzene	13.334	156	166705	20.47	ug/L		98
90)	1,1,2,2-Tetrachloroethane	13.377	83	169386	21.14	ug/L		99
91)	1,3,5-Trimethylbenzene	13.493	105	477128	20.89	ug/L		99
92)	2-Chlorotoluene	13.670	91	416769	21.05	ug/L		99
93)	trans-1,4-Dichloro-2-B...	13.566	53	29702	14.53	ug/L	#	76
94)	1,2,3-Trichloropropane	13.548	110	50410	19.69	ug/L		96
95)	Cyclohexanone	13.621	55	18604	97.87	ug/L		95
96)	4-Chlorotoluene	13.670	91	416769	21.05	ug/L		99
97)	tert-Butylbenzene	13.834	91	259416	21.16	ug/L		98
99)	1,2,4-Trimethylbenzene	13.901	105	473465	21.40	ug/L		99
100)	Pentachloroethane	13.889	167	83141	20.02	ug/L		98
101)	sec-Butylbenzene	14.017	105	556845	22.77	ug/L		99
102)	4-Isopropyltoluene	14.151	119	473431	22.09	ug/L		99
103)	1,3-Dichlorobenzene	14.285	146	305461	21.56	ug/L		99
104)	1,2,3-Trimethylbenzene	14.358	105	512024	21.83	ug/L		98
105)	1,4-Dichlorobenzene	14.371	146	324533	22.44	ug/L		99
106)	n-Butylbenzene	14.578	92	204680	19.24	ug/L		99
107)	Benzyl Chloride	14.602	126	22058	10.18	ug/L		93
108)	1,2-Dichlorobenzene	14.791	146	284897	21.13	ug/L		98
109)	1,2-Dibromo-3-Chloropr...	15.529	75	21555	17.00	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:47:58 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

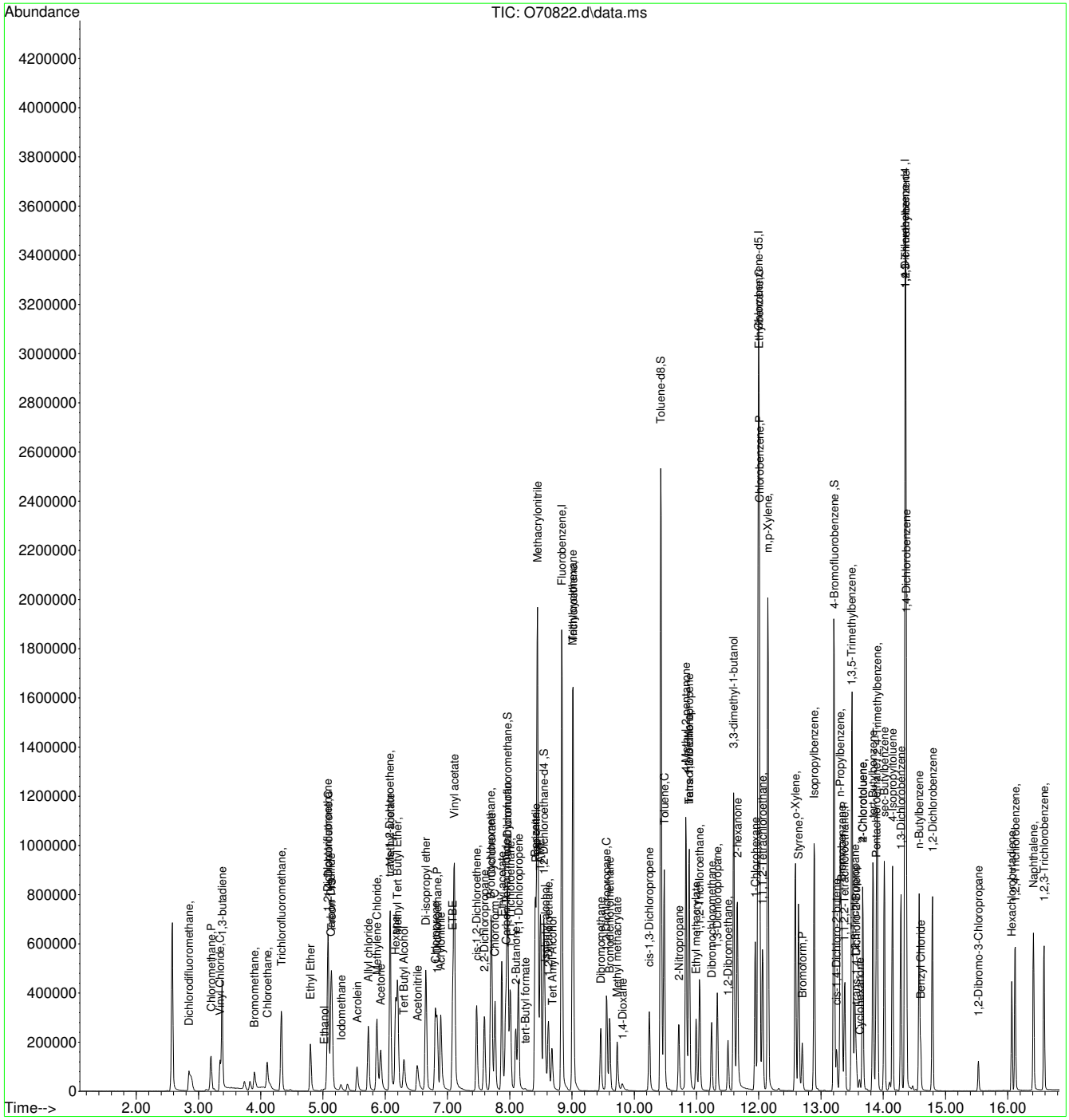
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) Hexachlorobutadiene	16.065	225	64373	20.89	ug/L	98
111) 1,2,4-Trichlorobenzene	16.120	180	160595	19.76	ug/L	99
112) Naphthalene	16.413	128	412285	19.87	ug/L	99
113) 1,2,3-Trichlorobenzene	16.584	180	157468	19.67	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
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Quant Time: Sep 02 01:47:58 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

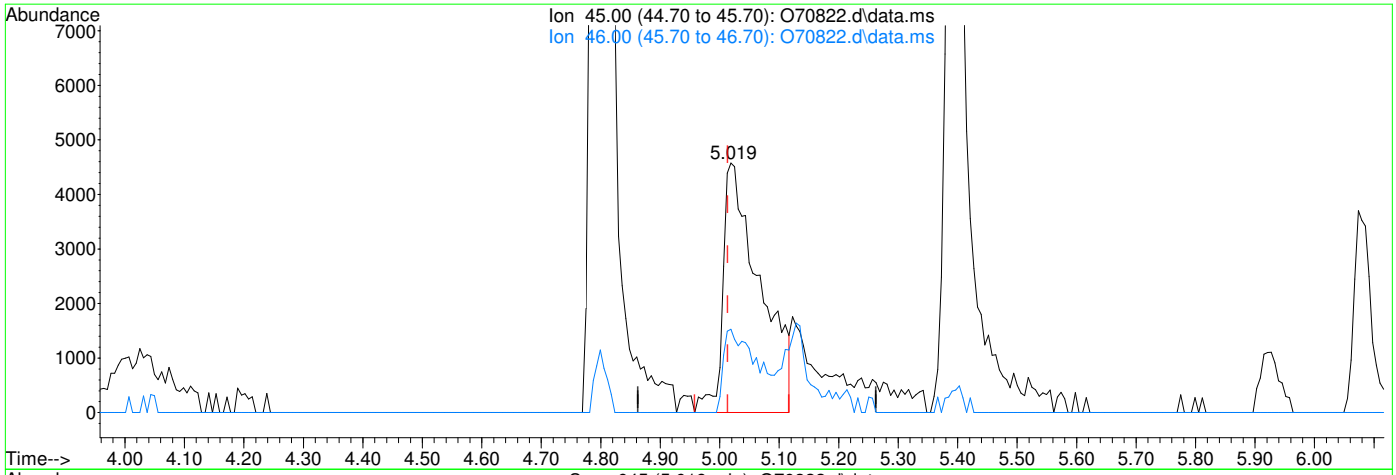
Sample Number: FA98452-2MSD
Lab FileID: O70822.D
Injection Time: 09/01/22 21:53
Method: SW846 8260D
Analyst approved: 09/02/22 08:09 Jo-Ann Lugo De Jesus
Supervisor approved: 09/07/22 15:52 Karen Watson

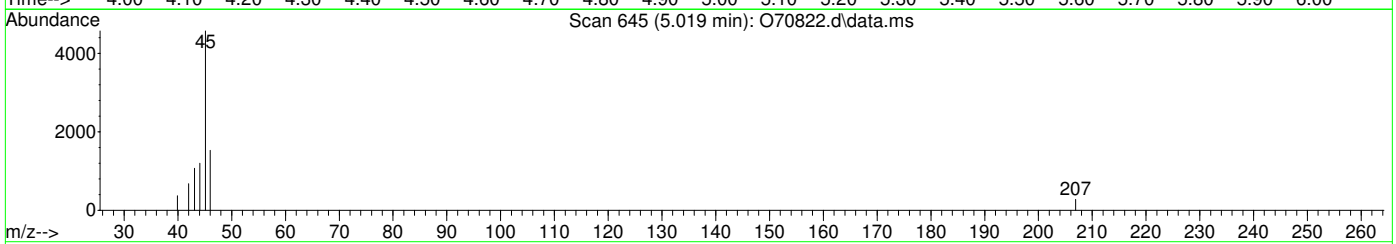
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.02	Poor instrument integration
Hexane	110-54-3		6.16	Overlapping peak
Acetonitrile	75-05-8		6.52	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

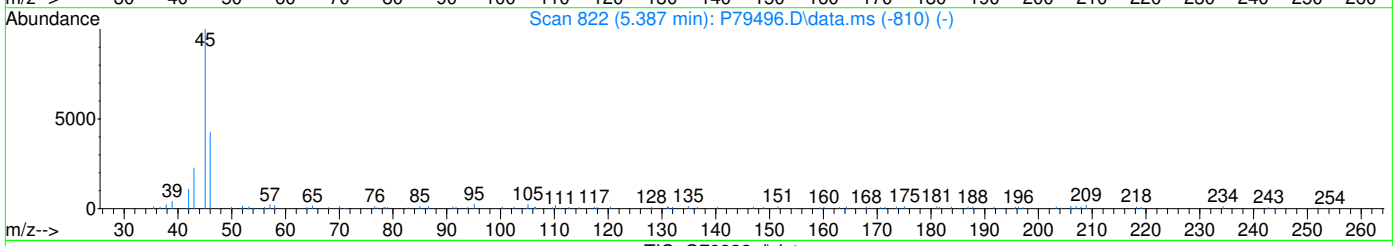
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:32:51 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70822.d\data.ms

(10) Ethanol

5.019min (+0.006) 379.14ug/L

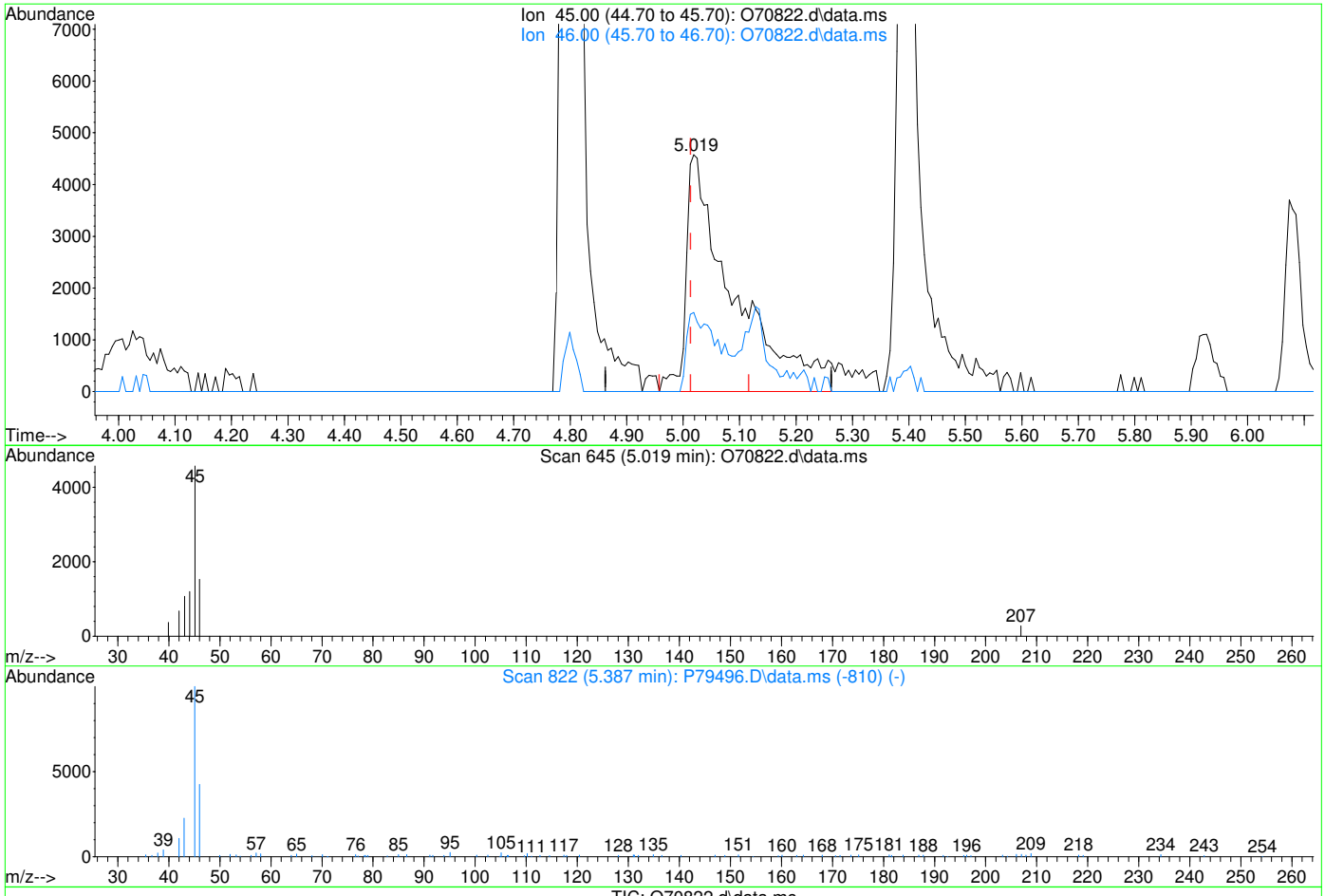
response 19683

Ion	Exp%	Act%
45.00	100	100
46.00	37.00	33.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
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Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:32:51 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



TIC: O70822.d\data.ms

(10) Ethanol

5.019min (+0.006) 543.08ug/L m

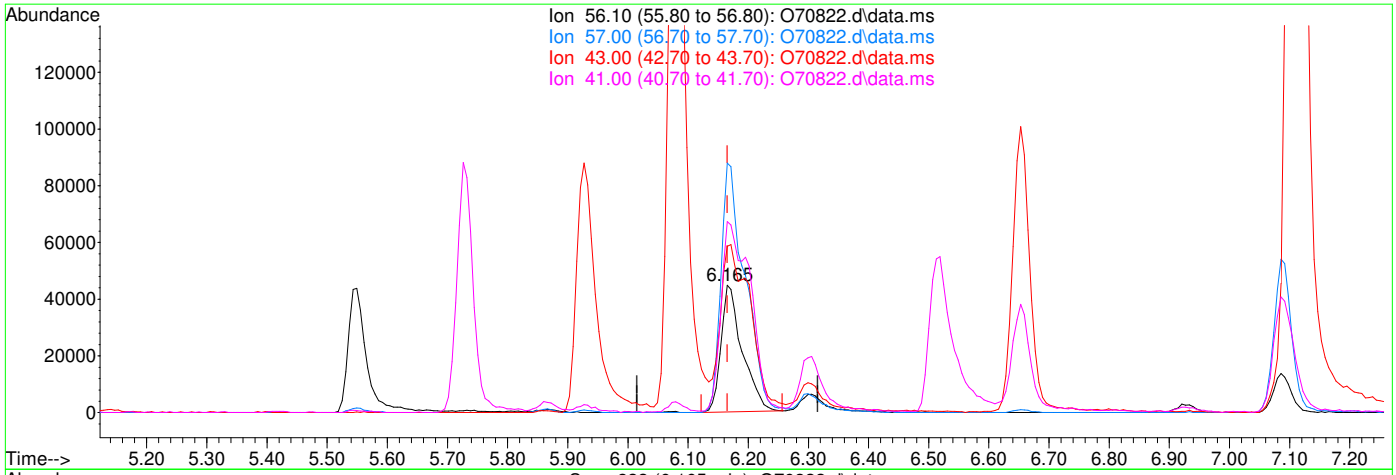
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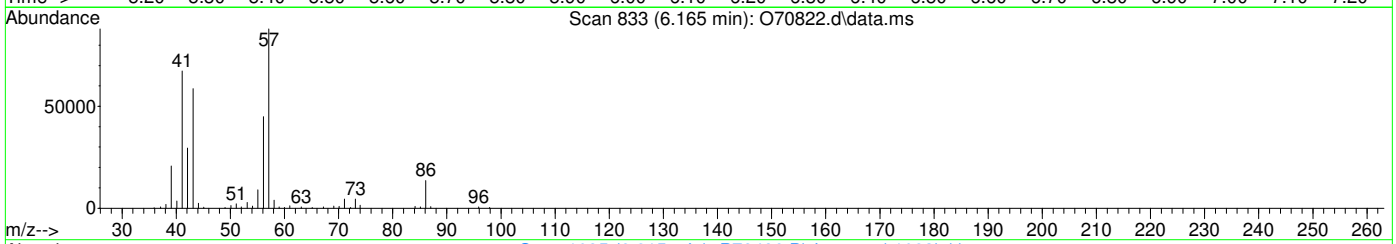
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	33.33
0.00	0.00	0.00
0.00	0.00	0.00

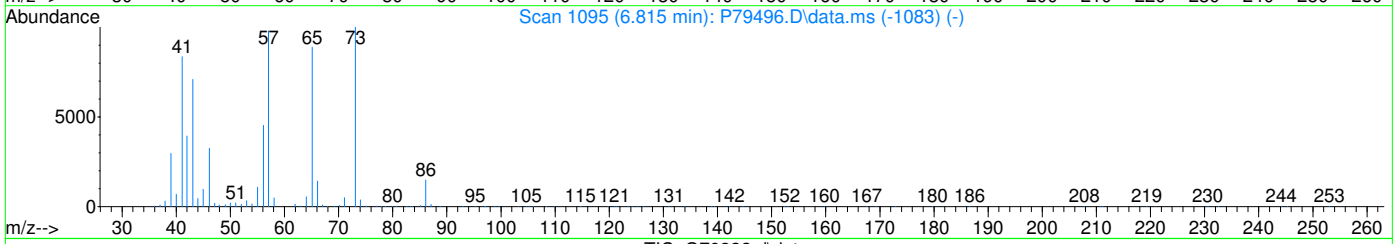
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

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Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
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TIC: O70822.d\data.ms

(22) Hexane

6.165min (-0.000) 32.57ug/L

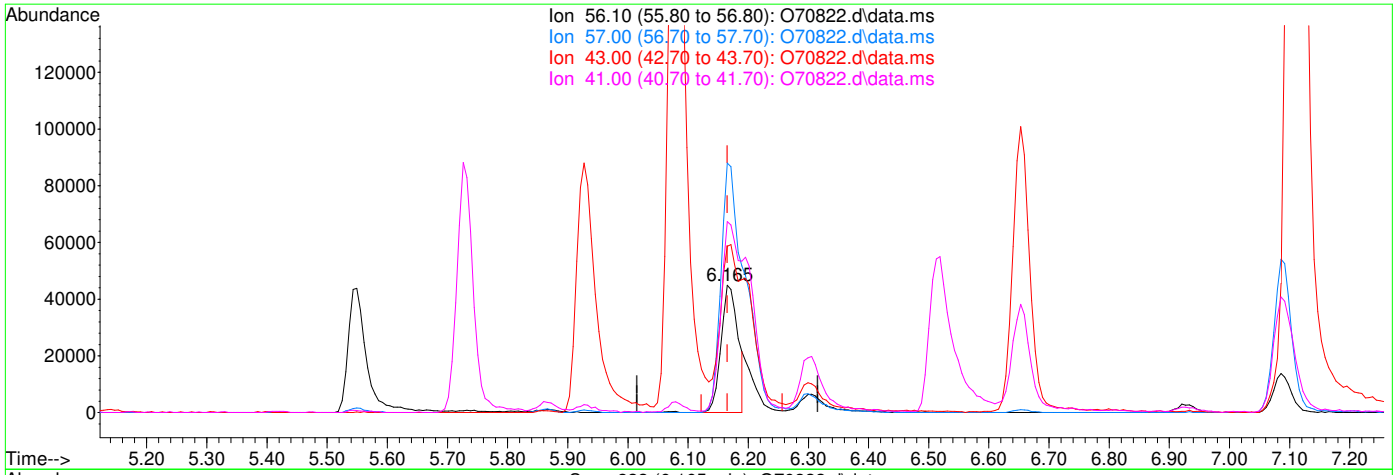
response 109758

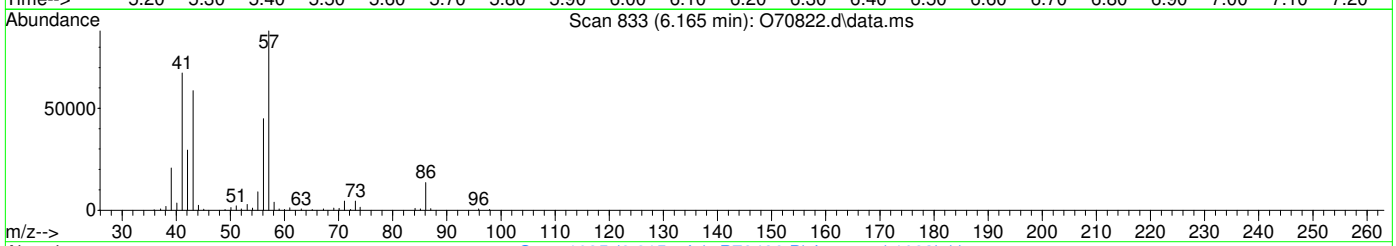
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	195.98
43.00	133.10	123.58
41.00	145.50	148.60

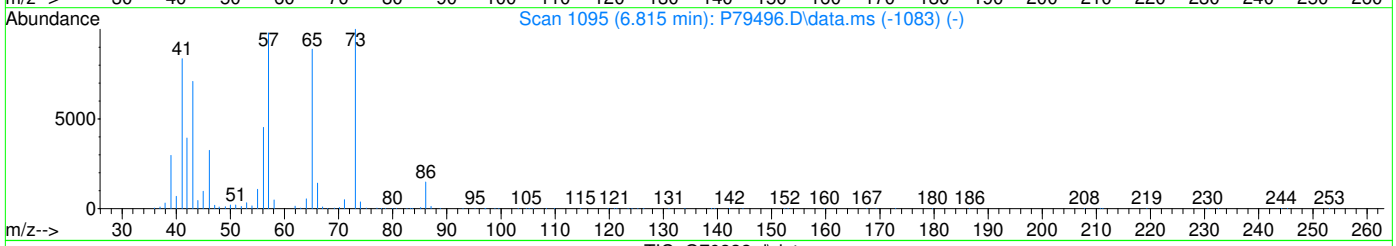
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:32:51 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70822.d\data.ms

(22) Hexane

6.165min (-0.000) 26.23ug/L m

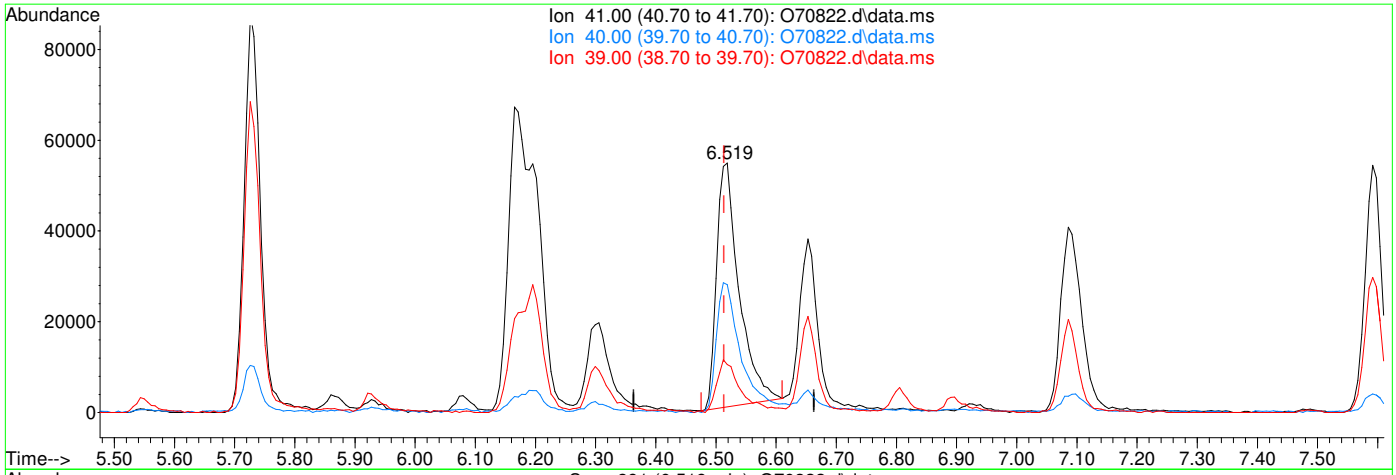
response 87723

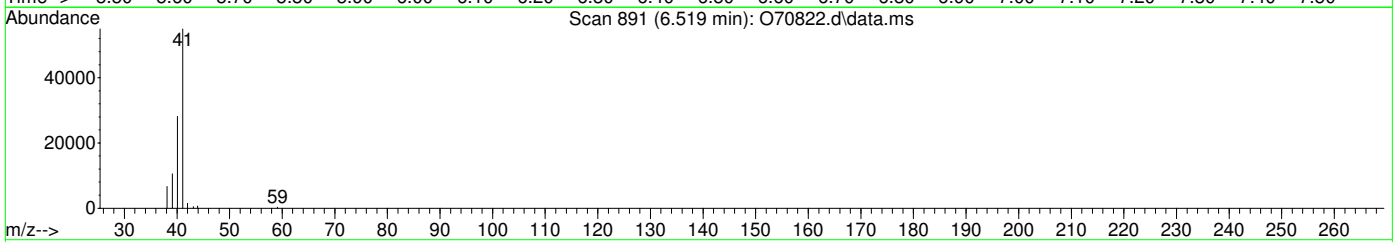
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	195.98
43.00	133.10	130.64
41.00	145.50	149.86

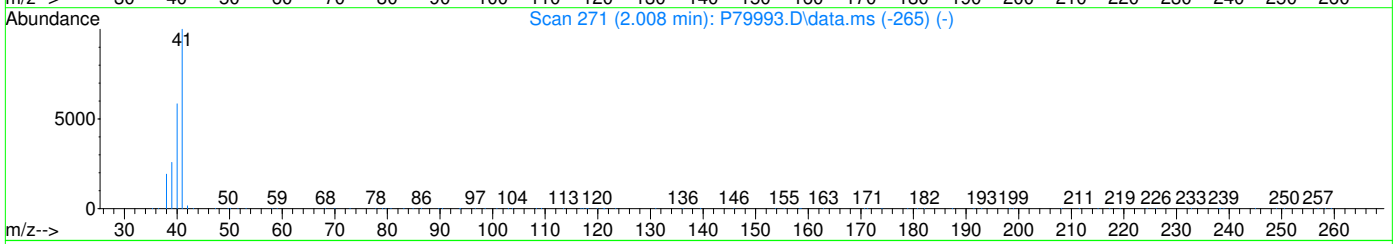
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:32:51 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70822.d\data.ms

(25) Acetonitrile

6.519min (+0.006) 187.99ug/L

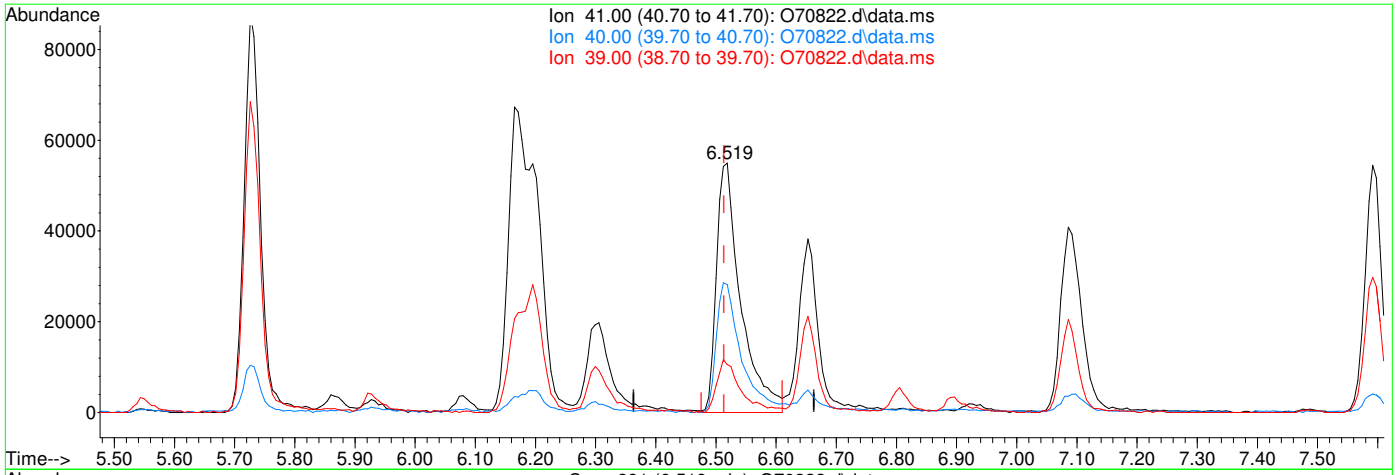
response 139004

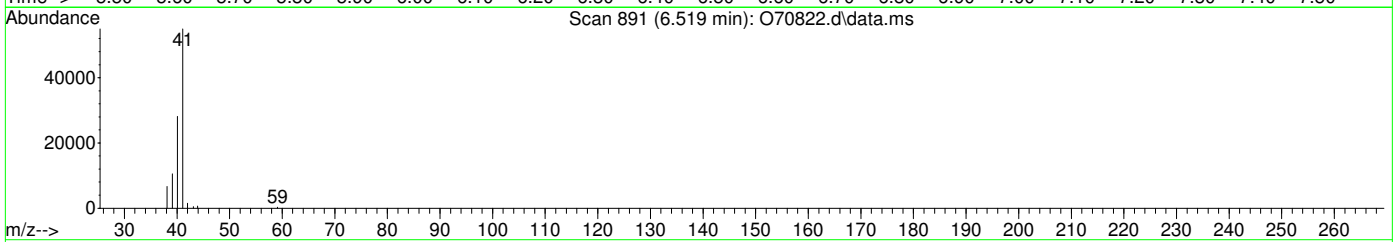
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	51.65
39.00	20.00	18.87
0.00	0.00	0.00

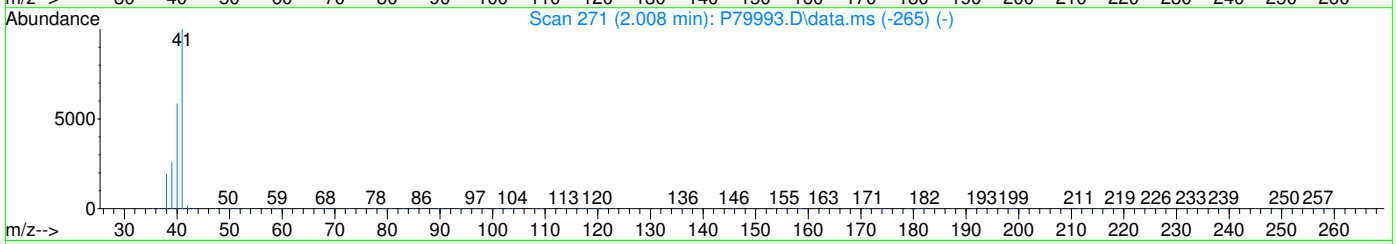
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:32:51 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70822.d\data.ms

(25) Acetonitrile

6.519min (+0.006) 207.57ug/L m

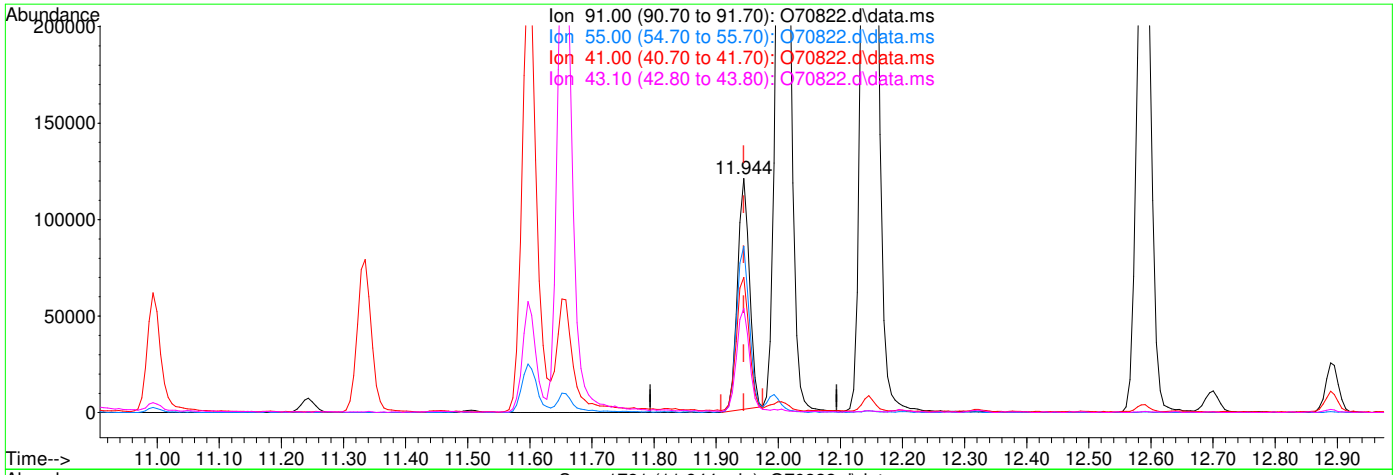
response 153508

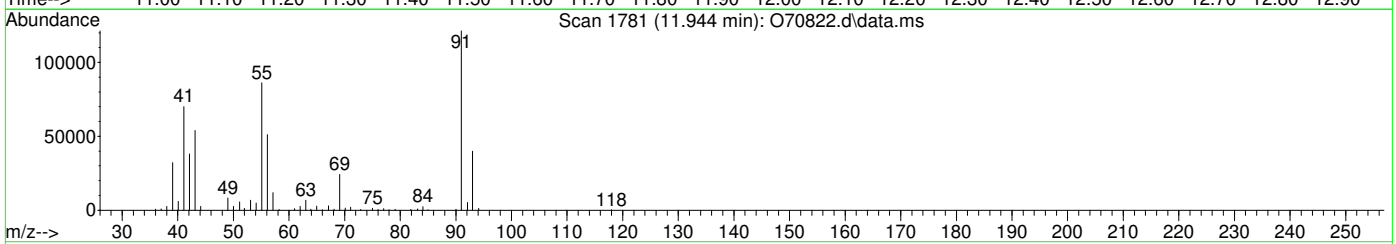
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	51.24
39.00	20.00	19.20
0.00	0.00	0.00

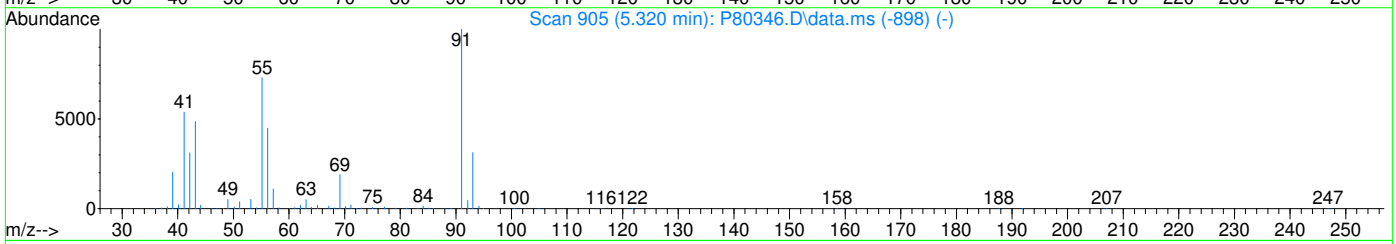
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:32:51 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70822.d\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 22.27ug/L

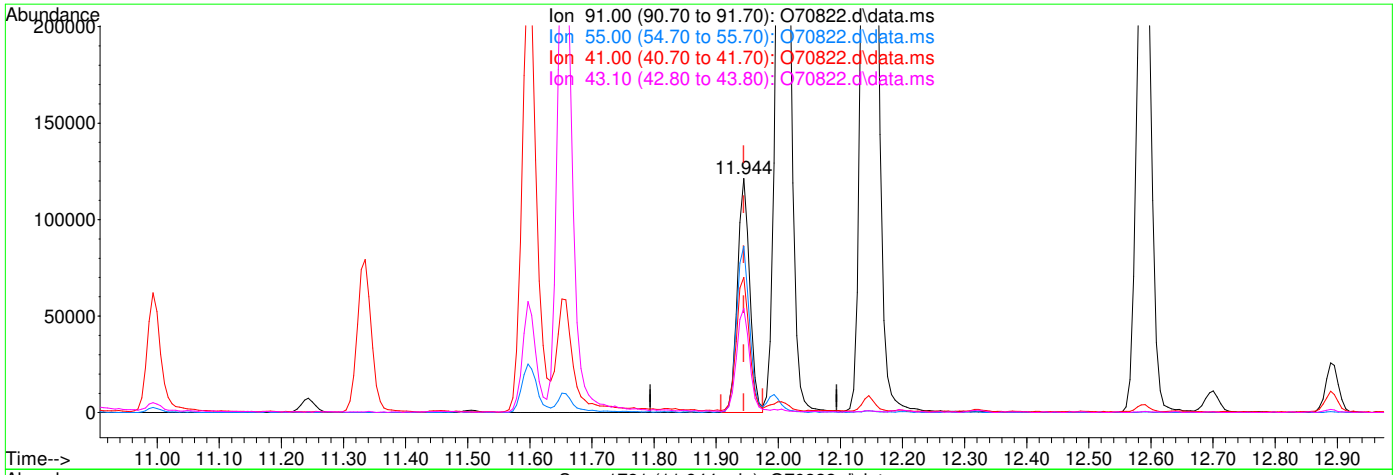
response 161378

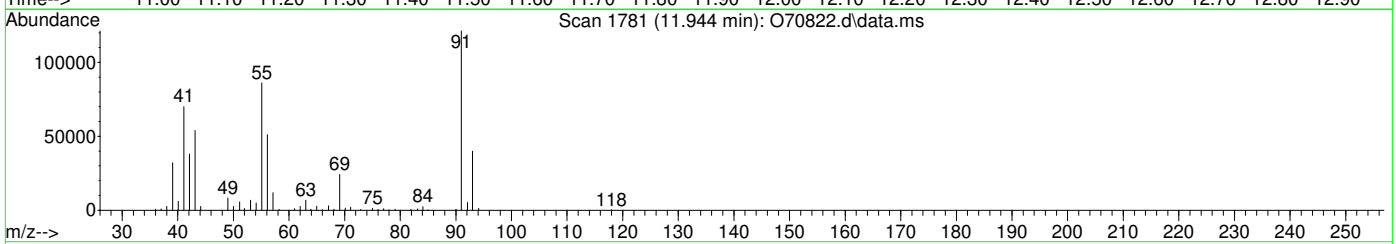
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.79
41.00	54.70	56.79
43.10	44.50	43.98

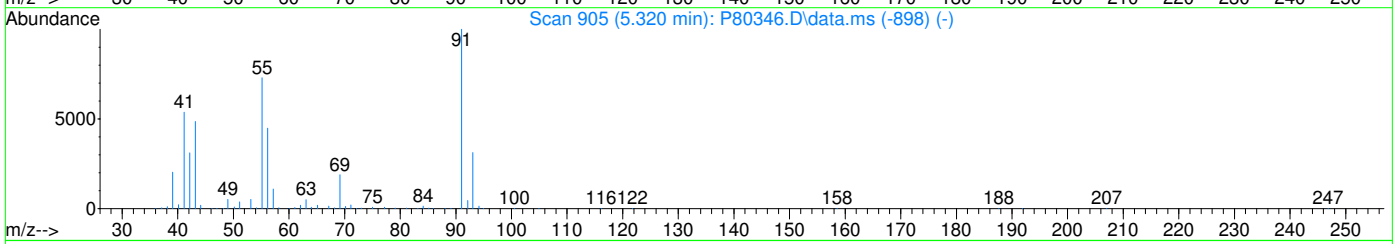
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:32:51 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70822.d\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 23.15ug/L m

response 167782

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	71.07
41.00	54.70	57.72
43.10	44.50	44.51

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 22:17:07 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1311919	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1106839	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	584016	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	366967	49.55	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.10%		
50) 1,2-Dichloroethane-d4	8.549	65	368774	48.40	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	96.80%		
63) Toluene-d8	10.427	98	1327668	47.84	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	95.68%		
86) 4-Bromofluorobenzene	13.207	174	454318	48.58	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	97.16%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	108287	23.11	ug/L	97
3) Chloromethane	3.196	50	130191	24.90	ug/L	100
4) 1,3-butadiene	3.379	39	118210	24.09	ug/L	99
5) Vinyl Chloride	3.349	62	151976	25.91	ug/L	97
6) Bromomethane	3.903	94	45806	15.66	ug/L	96
7) Chloroethane	4.105	64	107871	27.64	ug/L	96
8) Trichlorofluoromethane	4.330	101	237355	25.51	ug/L	97
9) Ethyl Ether	4.800	59	85164	20.57	ug/L	94
10) Ethanol	5.019	45	12095m	265.49	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	153730	28.74	ug/L	99
12) 1,1-Dichloroethene	5.086	61	177426	23.64	ug/L	99
13) Freon 113	5.141	101	116017	24.50	ug/L	96
14) Carbon Disulfide	5.129	76	246582	18.53	ug/L	100
15) Iodomethane	5.287	142	21855	8.84	ug/L	94
16) Acrolein	5.549	56	70396	69.58	ug/L	97
17) Allyl chloride	5.726	41	148507	24.14	ug/L	98
18) Methylene Chloride	5.866	49	189391	27.03	ug/L	98
19) Acetone	5.927	43	292435	193.35	ug/L	98
20) Methyl acetate	6.080	43	441892	113.27	ug/L	100
21) trans-1,2-Dichloroethene	6.074	61	171924	22.97	ug/L	98
22) Hexane	6.165	56	72164m	24.51	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	332794	25.52	ug/L	96
24) Tert Butyl Alcohol	6.299	59	93973	196.53	ug/L	90
25) Acetonitrile	6.513	41	142772m	218.81	ug/L	
26) Di-isopropyl ether	6.653	45	355830	23.23	ug/L	98
27) Chloroprene	6.805	53	162097	107.58	ug/L	99
28) 1,1-Dichloroethane	6.836	63	235930	25.53	ug/L	99
29) Acrylonitrile	6.891	52	201900	121.77	ug/L	99
30) ETBE	7.086	59	312570	21.04	ug/L	99
31) Vinyl acetate	7.110	43	1276281	125.27	ug/L	99
32) cis-1,2-Dichloroethene	7.470	96	131278	24.86	ug/L	99
33) 2,2-Dichloropropane	7.592	77	131074	18.08	ug/L	96
34) Bromochloromethane	7.695	128	70462	23.93	ug/L	95
35) Cyclohexane	7.708	56	187296	23.16	ug/L	97
36) Chloroform	7.762	83	231017	23.60	ug/L	99
37) Ethyl acetate	7.872	43	599788	120.29	ug/L	99
38) Tetrahydrofuran	7.958	42	34315	21.97	ug/L	96
40) Carbon Tetrachloride	7.933	117	173278	23.03	ug/L	96
41) 1,1,1-Trichloroethane	8.006	97	208394	24.06	ug/L	96
42) 2-Butanone	8.098	43	291595	117.28	ug/L	100
43) 1,1-Dichloropropene	8.140	75	163553	22.89	ug/L	98
44) tert-Butyl formate	8.244	59	313498	91.03	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 22:17:07 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	8.421	54	167251	207.15	ug/L		98
46)	Methacrylonitrile	8.445	41	859726	227.24	ug/L		98
47)	Benzene	8.409	78	486090	23.52	ug/L		98
48)	TAME	8.494	73	388342	31.18	ug/L		97
49)	Isobutyl alcohol	8.567	43	70895	431.43	ug/L		96
51)	1,2-Dichloroethane	8.622	62	184220	22.99	ug/L		98
52)	Tert Amyl Alcohol	8.677	59	64031	199.48	ug/L		88
53)	Trichloroethene	9.018	95	138541	25.17	ug/L		96
54)	Methylcyclohexane	9.012	83	165598	25.95	ug/L		98
55)	Dibromomethane	9.457	93	79227	22.57	ug/L		97
56)	1,2-Dichloropropane	9.555	63	118526	23.06	ug/L		98
57)	Bromodichloromethane	9.604	83	151251	23.15	ug/L		99
58)	Methyl methacrylate	9.725	41	86716	20.94	ug/L		97
59)	1,4-Dioxane	9.805	88	22565	503.60	ug/L		95
60)	2-Chloroethyl vinyl ether	10.146	63	400294	117.33	ug/L		98
61)	cis-1,3-Dichloropropene	10.238	75	158753	21.68	ug/L		97
64)	Toluene	10.481	91	521375	21.85	ug/L		98
65)	2-Nitropropane	10.713	41	127412	89.71	ug/L		96
66)	4-Methyl-2-pentanone	10.829	43	643785	114.19	ug/L		99
67)	trans-1,3-Dichloropropene	10.884	75	150069	21.84	ug/L		85
68)	Tetrachloroethene	10.878	166	165366	23.25	ug/L		98
69)	Ethyl methacrylate	10.994	69	124107	19.48	ug/L		98
70)	1,1,2-Trichloroethane	11.048	83	96485	22.38	ug/L		96
71)	Dibromochloromethane	11.243	129	120316	20.23	ug/L		99
72)	1,3-Dichloropropane	11.335	76	178574	20.00	ug/L		99
73)	1,2-Dibromoethane	11.506	107	114528	20.71	ug/L		100
74)	3,3-dimethyl-1-butanol	11.597	57	513676	1358.65	ug/L		99
75)	2-hexanone	11.652	43	449862	118.31	ug/L		99
76)	1-Chlorohexane	11.945	91	149638m	22.90	ug/L		
77)	Ethylbenzene	12.006	91	590325	21.57	ug/L		98
78)	Chlorobenzene	12.012	112	361403	22.18	ug/L		99
79)	1,1,1,2-Tetrachloroethane	12.060	131	125118	22.16	ug/L		99
80)	m,p-Xylene	12.146	91	897482	43.44	ug/L		98
81)	o-Xylene	12.591	91	428277	21.45	ug/L		98
82)	Styrene	12.640	104	307151	21.96	ug/L		100
83)	Bromoform	12.701	173	72340	20.26	ug/L		98
84)	Isopropylbenzene	12.890	105	535600	22.05	ug/L		99
87)	cis-1,4-Dichloro-2-butene	13.249	53	31837	16.50	ug/L		88
88)	n-Propylbenzene	13.310	91	610547	21.07	ug/L		100
89)	Bromobenzene	13.335	156	150061	20.35	ug/L		97
90)	1,1,2,2-Tetrachloroethane	13.377	83	153248	21.12	ug/L		100
91)	1,3,5-Trimethylbenzene	13.493	105	428851	20.73	ug/L		98
92)	2-Chlorotoluene	13.670	91	373793	20.85	ug/L		99
93)	trans-1,4-Dichloro-2-B...	13.566	53	25363	13.70	ug/L	#	81
94)	1,2,3-Trichloropropane	13.542	110	45677	19.71	ug/L		97
95)	Cyclohexanone	13.621	55	20081	116.68	ug/L		98
96)	4-Chlorotoluene	13.670	91	373793	20.85	ug/L		99
97)	tert-Butylbenzene	13.834	91	229988	20.71	ug/L		98
99)	1,2,4-Trimethylbenzene	13.902	105	430629	21.49	ug/L		99
100)	Pentachloroethane	13.889	167	75853	20.16	ug/L		99
101)	sec-Butylbenzene	14.017	105	499063	22.53	ug/L		99
102)	4-Isopropyltoluene	14.151	119	431515	22.23	ug/L		98
103)	1,3-Dichlorobenzene	14.286	146	275924	21.51	ug/L		99
104)	1,2,3-Trimethylbenzene	14.359	105	464870	21.88	ug/L		98
105)	1,4-Dichlorobenzene	14.371	146	290551	22.19	ug/L		99
106)	n-Butylbenzene	14.578	92	187086	19.42	ug/L		99
107)	Benzyl Chloride	14.603	126	18636	9.54	ug/L	#	64
108)	1,2-Dichlorobenzene	14.792	146	260232	21.32	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 22:17:07 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

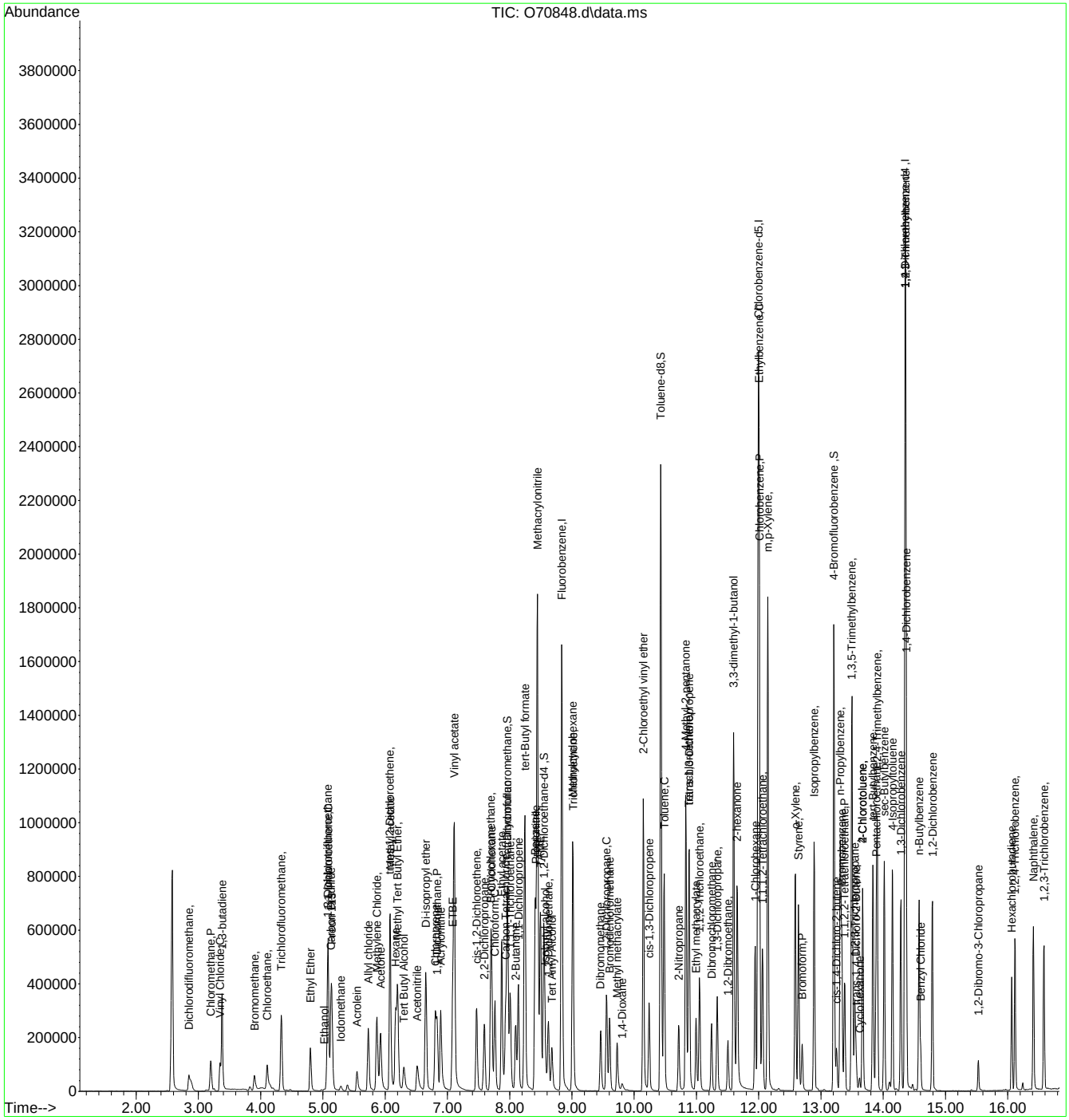
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	15.529	75	20213	17.61	ug/L	98
110) Hexachlorobutadiene	16.066	225	61024	21.88	ug/L	98
111) 1,2,4-Trichlorobenzene	16.114	180	149066	20.26	ug/L	97
112) Naphthalene	16.413	128	391214	20.80	ug/L	99
113) 1,2,3-Trichlorobenzene	16.584	180	147157	20.30	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 22:17:07 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

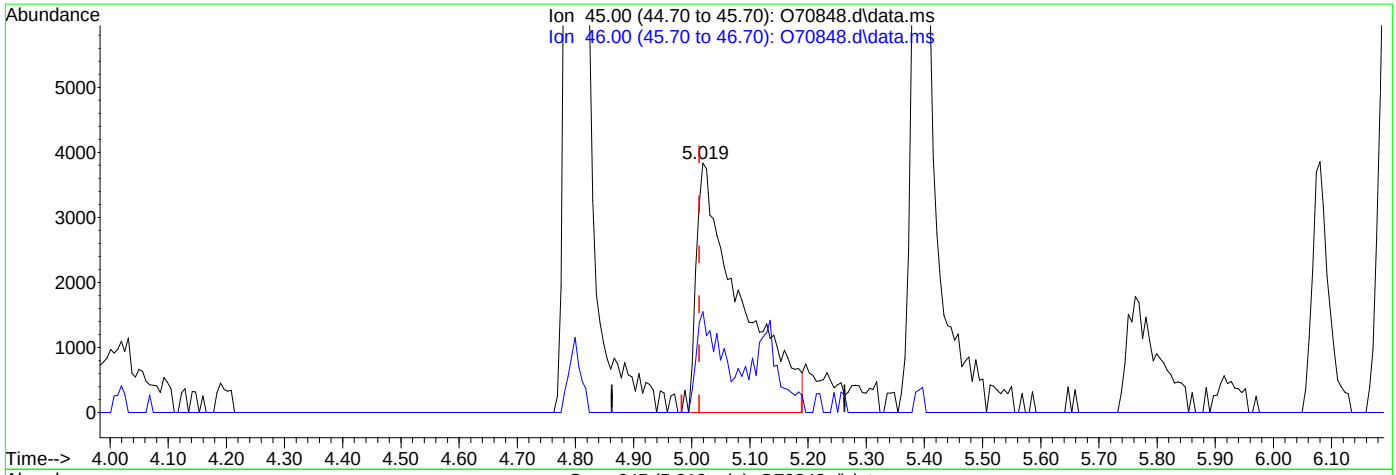
Sample Number: FA98394-2MS
Lab FileID: O70848.D
Injection Time: 09/02/22 21:30
Method: SW846 8260D
Analyst approved: 09/05/22 02:33 Antonette Clutario
Supervisor approved: 09/07/22 15:51 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.02	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 20:37:50 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



TIC: O70848.d\data.ms

(10) Ethanol

5.019min (+0.006) 439.20ug/L

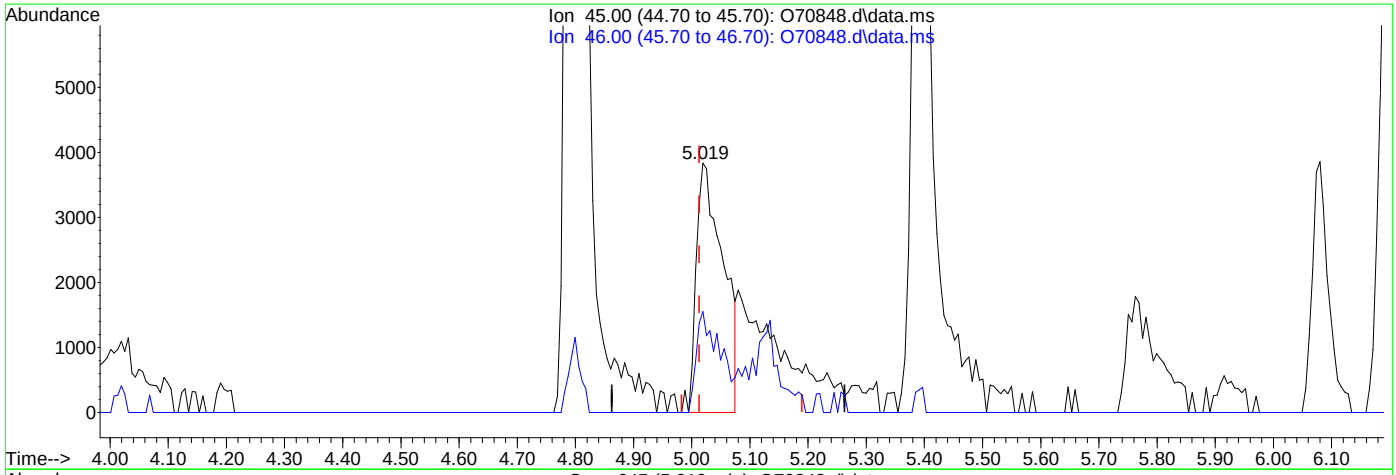
response 20172

Ion	Exp%	Act%
45.00	100	100
46.00	37.00	40.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 20:37:50 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



TIC: O70848.d\data.ms

(10) Ethanol

5.019min (+0.006) 265.49ug/L m

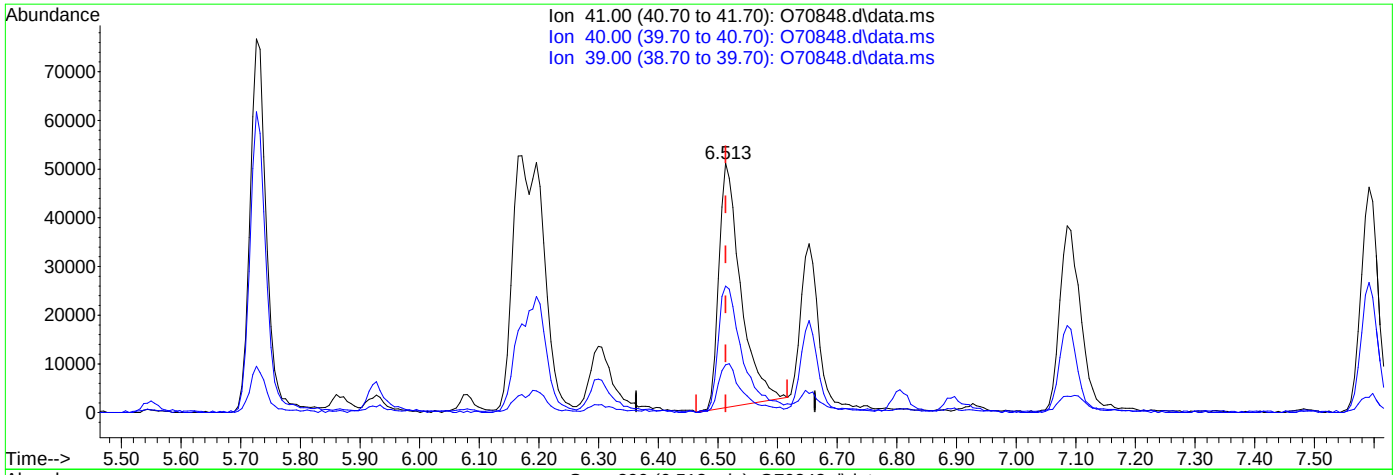
response 12095

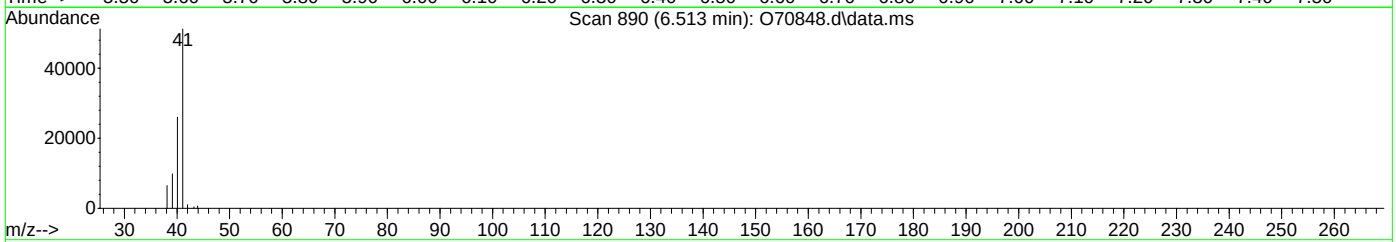
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	40.46
0.00	0.00	0.00
0.00	0.00	0.00

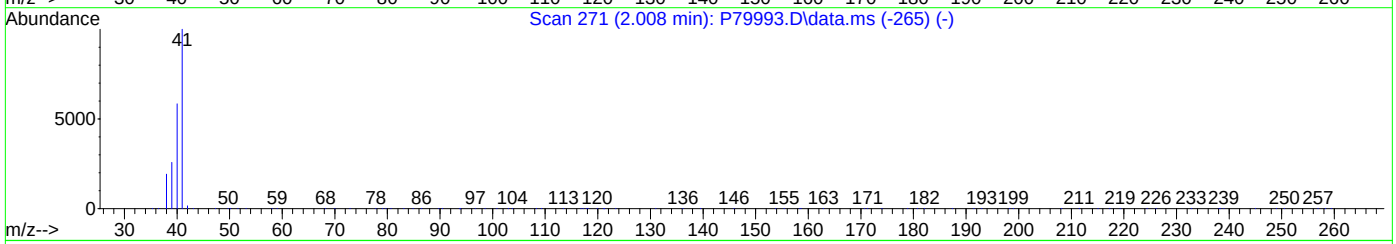
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 20:37:50 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70848.d\data.ms

(25) Acetonitrile

6.513min (-0.000) 196.72ug/L

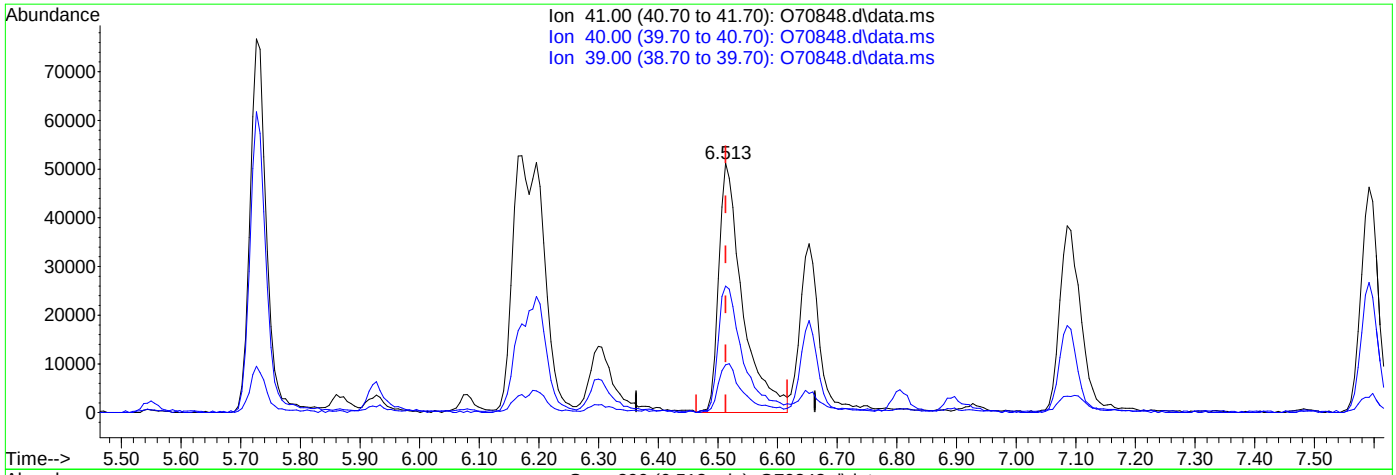
response 128333

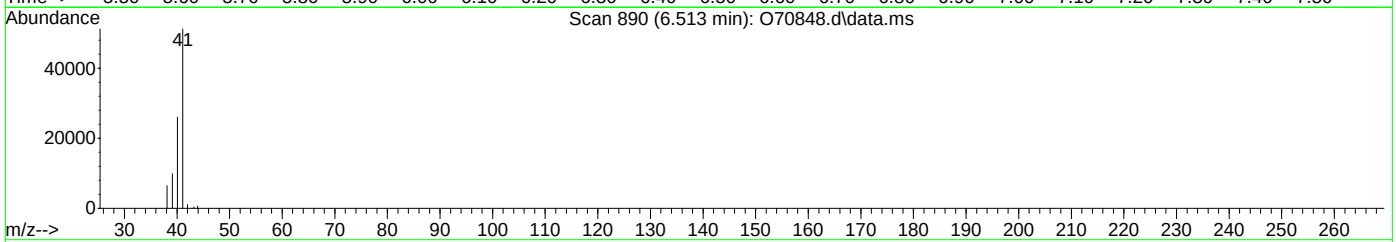
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	50.66
39.00	20.00	19.14
0.00	0.00	0.00

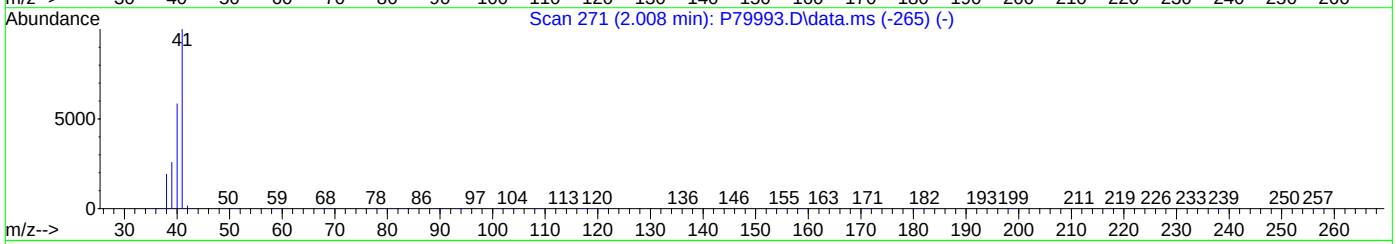
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 20:37:50 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70848.d\data.ms

(25) Acetonitrile

6.513min (-0.000) 218.81ug/L m

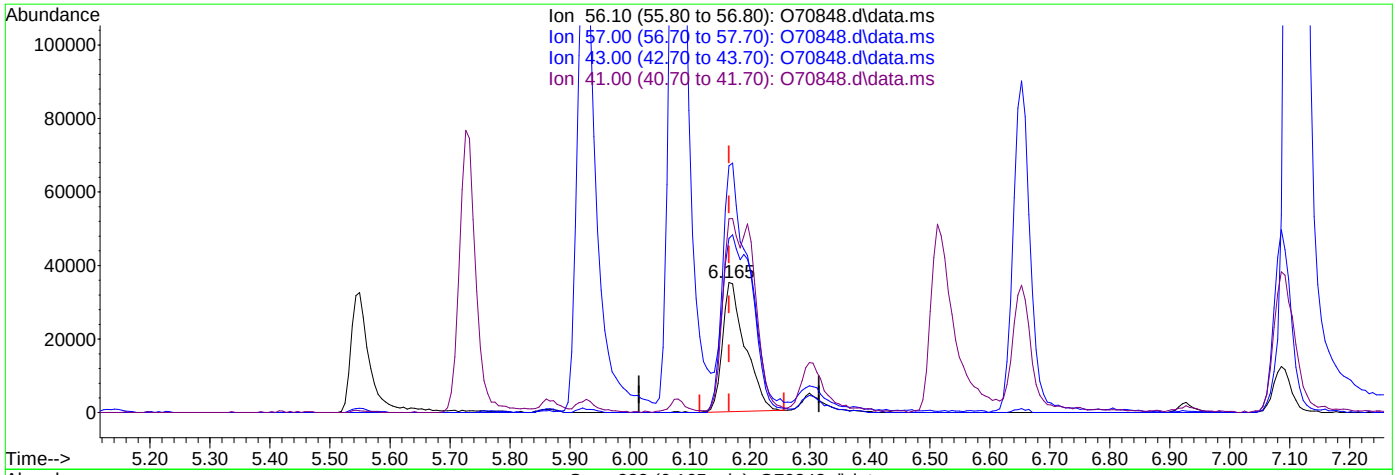
response 142772

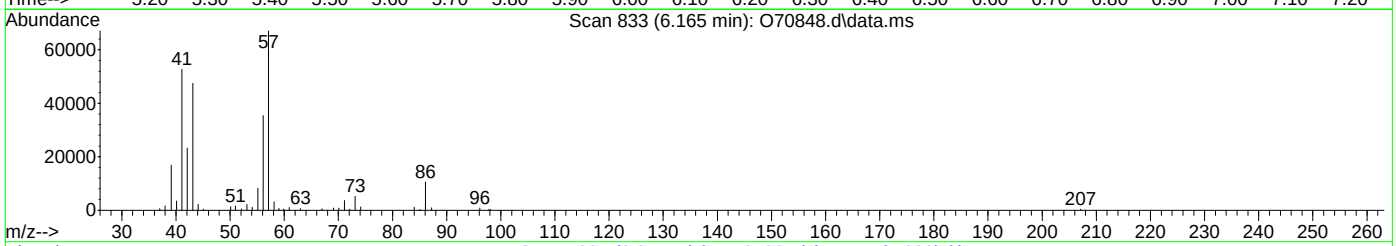
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	50.66
39.00	20.00	19.14
0.00	0.00	0.00

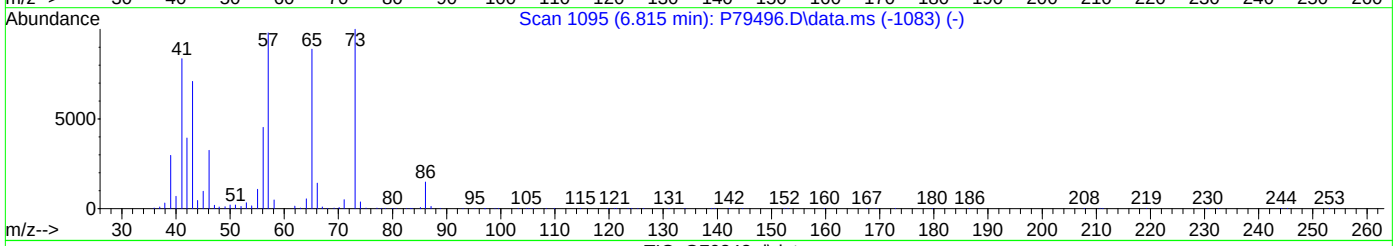
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 20:37:50 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70848.d\data.ms

(22) Hexane

6.165min (+0.000) 31.14ug/L

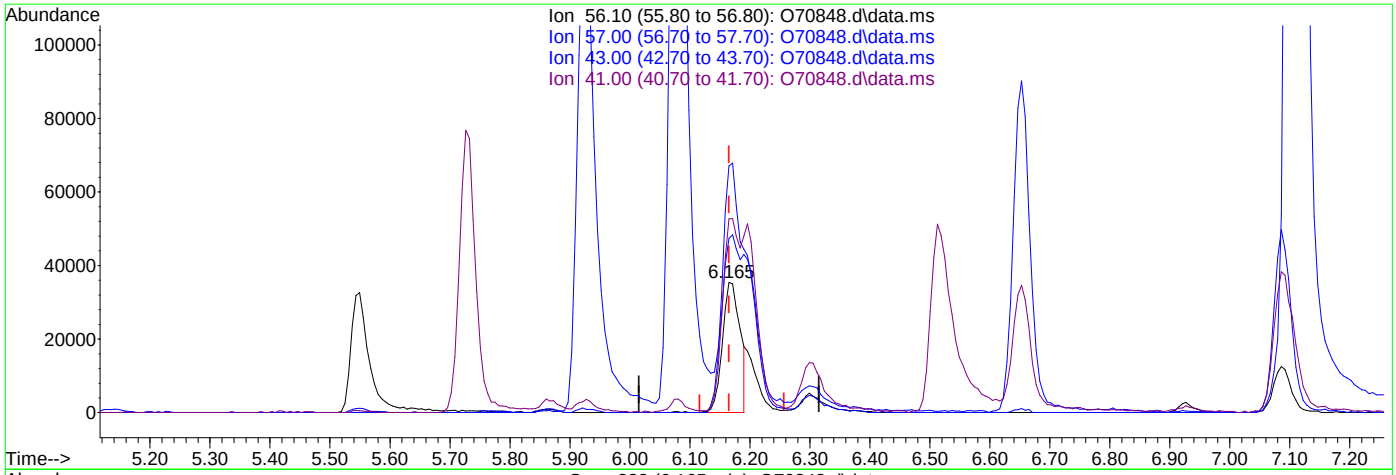
response 92425

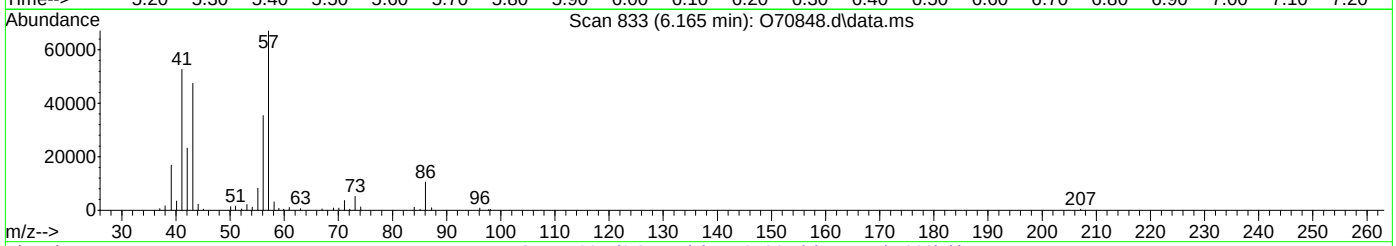
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	189.39
43.00	133.10	125.84
41.00	145.50	147.23

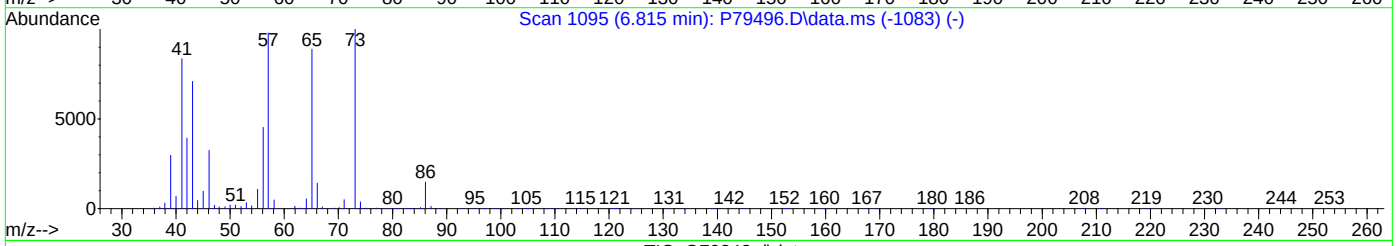
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 20:37:50 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70848.d\data.ms

(22) Hexane

6.165min (+0.000) 24.51ug/L m

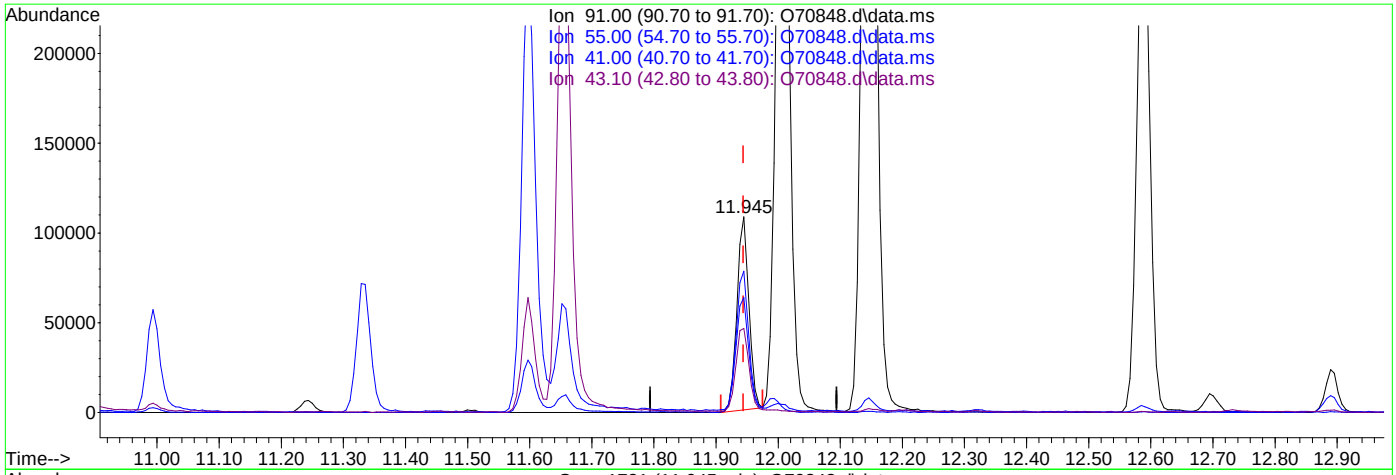
response 72164

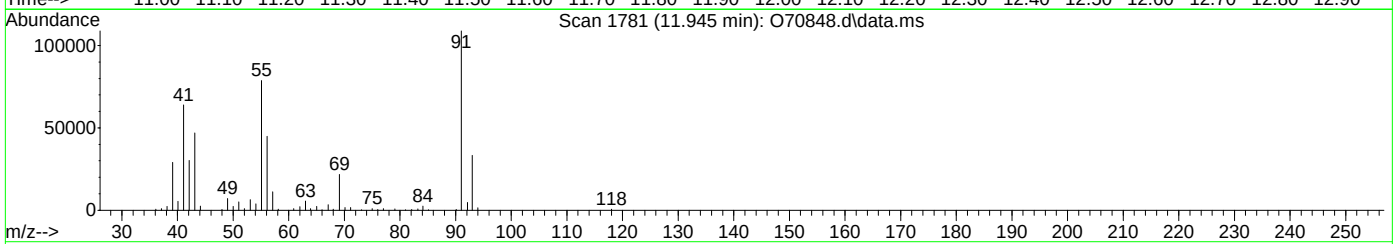
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	189.39
43.00	133.10	133.78
41.00	145.50	148.75

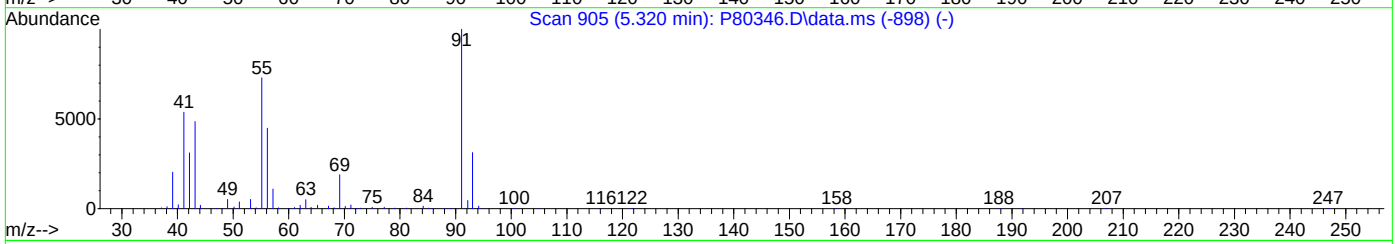
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 20:37:50 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70848.d\data.ms

(76) 1-Chlorohexane

11.945min (+0.001) 22.04ug/L

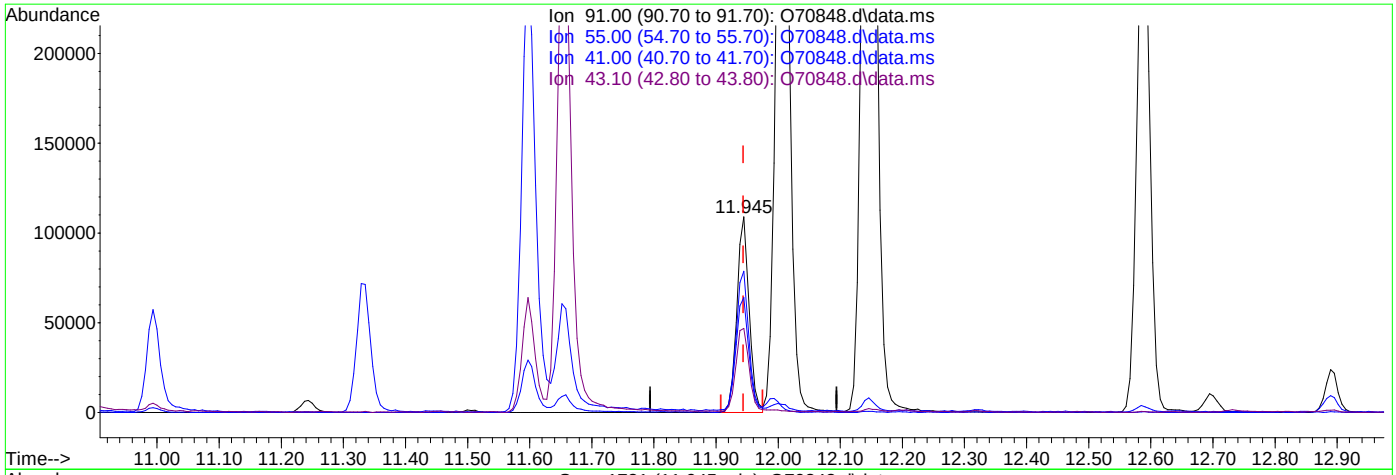
response 144014

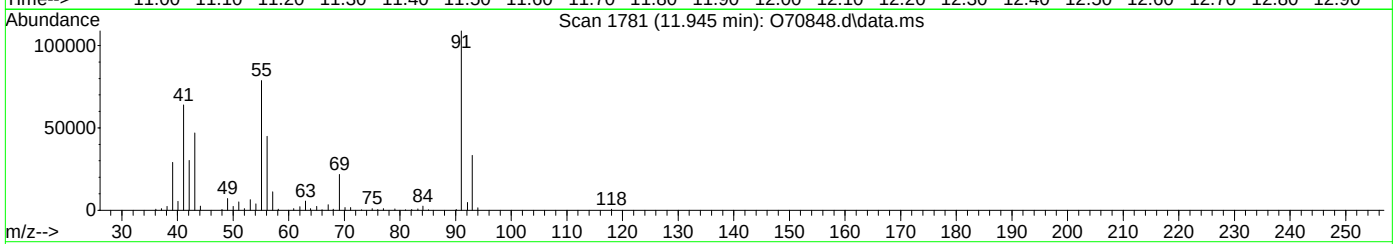
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	71.94
41.00	54.70	57.27
43.10	44.50	42.27

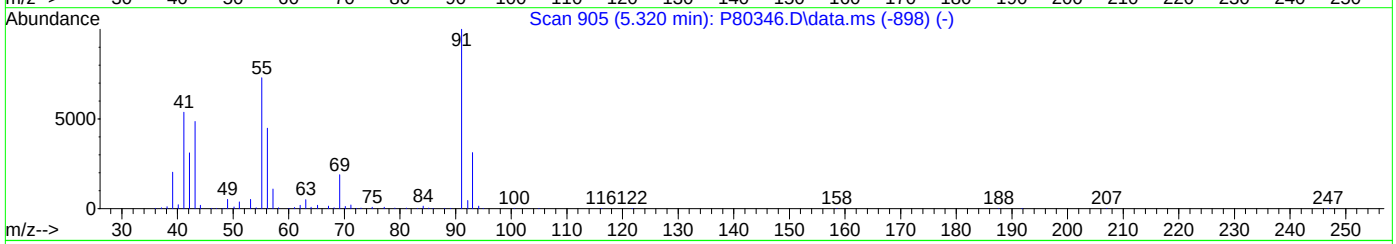
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 20:37:50 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70848.d\data.ms

(76) 1-Chlorohexane

11.945min (+0.001) 22.90ug/L m

response 149638

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	72.27
41.00	54.70	58.74
43.10	44.50	42.99

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 22:21:49 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1350303	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1137729	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	599098	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	372825	48.91	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	97.82%		
50) 1,2-Dichloroethane-d4	8.549	65	372073	47.45	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	94.90%		
63) Toluene-d8	10.426	98	1377317	48.29	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	96.58%		
86) 4-Bromofluorobenzene	13.206	174	462691	48.23	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	96.46%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.843	85	124628	25.85	ug/L	96
3) Chloromethane	3.190	50	137822	25.62	ug/L	99
4) 1,3-butadiene	3.373	39	135627	26.89	ug/L	99
5) Vinyl Chloride	3.342	62	162056	26.85	ug/L	100
6) Bromomethane	3.891	94	55893	18.59	ug/L	98
7) Chloroethane	4.098	64	114540	28.63	ug/L	97
8) Trichlorofluoromethane	4.330	101	264056	27.57	ug/L	99
9) Ethyl Ether	4.793	59	91054	21.37	ug/L	97
10) Ethanol	5.013	45	8210m	175.83	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	171563	31.16	ug/L	98
12) 1,1-Dichloroethene	5.080	61	195204	25.27	ug/L	98
13) Freon 113	5.141	101	136896	27.98	ug/L	98
14) Carbon Disulfide	5.123	76	284722	20.72	ug/L	99
15) Iodomethane	5.287	142	36120	13.54	ug/L	97
16) Acrolein	5.543	56	75124	72.14	ug/L	99
17) Allyl chloride	5.726	41	166301	26.22	ug/L	96
18) Methylene Chloride	5.866	49	190478	26.42	ug/L	98
19) Acetone	5.921	43	305003	195.87	ug/L	100
20) Methyl acetate	6.074	43	467027	116.31	ug/L	98
21) trans-1,2-Dichloroethene	6.074	61	193015	25.06	ug/L	99
22) Hexane	6.165	56	78639m	25.91	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	356688	26.57	ug/L	98
24) Tert Butyl Alcohol	6.299	59	100590	204.39	ug/L	91
25) Acetonitrile	6.513	41	152000m	226.32	ug/L	
26) Di-isopropyl ether	6.653	45	382297	24.25	ug/L	100
27) Chloroprene	6.805	53	184985	117.65	ug/L	98
28) 1,1-Dichloroethane	6.830	63	252979	26.59	ug/L	99
29) Acrylonitrile	6.891	52	208969	122.45	ug/L	98
30) ETBE	7.086	59	334141	21.86	ug/L	99
31) Vinyl acetate	7.110	43	1335768	127.39	ug/L	99
32) cis-1,2-Dichloroethene	7.464	96	141720	26.06	ug/L	97
33) 2,2-Dichloropropane	7.592	77	148447	19.89	ug/L	97
34) Bromochloromethane	7.695	128	74009	24.42	ug/L	98
35) Cyclohexane	7.707	56	220668	26.51	ug/L	98
36) Chloroform	7.762	83	249819	24.79	ug/L	97
37) Ethyl acetate	7.872	43	626691	122.12	ug/L	99
38) Tetrahydrofuran	7.957	42	36496	22.69	ug/L	89
40) Carbon Tetrachloride	7.933	117	201760	26.06	ug/L	97
41) 1,1,1-Trichloroethane	8.006	97	237579	26.65	ug/L	97
42) 2-Butanone	8.092	43	303834	118.73	ug/L	99
43) 1,1-Dichloropropene	8.140	75	189182	25.73	ug/L	97
44) tert-Butyl formate	8.244	59	333957	94.22	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 22:21:49 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	8.421	54	179195	215.48	ug/L		99
46) Methacrylonitrile	8.445	41	904258	232.19	ug/L		99
47) Benzene	8.409	78	531043	24.97	ug/L		98
48) TAME	8.494	73	411388	32.06	ug/L		97
49) Isobutyl alcohol	8.567	43	75657	446.98	ug/L		97
51) 1,2-Dichloroethane	8.622	62	195774	23.73	ug/L		97
52) Tert Amyl Alcohol	8.677	59	68241	206.55	ug/L		88
53) Trichloroethene	9.012	95	153430	27.05	ug/L		99
54) Methylcyclohexane	9.012	83	197206	29.80	ug/L		97
55) Dibromomethane	9.463	93	82734	22.90	ug/L		96
56) 1,2-Dichloropropane	9.555	63	125282	23.68	ug/L		97
57) Bromodichloromethane	9.603	83	160436	23.86	ug/L		100
58) Methyl methacrylate	9.725	41	91489	21.44	ug/L		97
59) 1,4-Dioxane	9.811	88	23891	518.31	ug/L		97
60) 2-Chloroethyl vinyl ether	10.146	63	426995	121.43	ug/L		99
61) cis-1,3-Dichloropropene	10.237	75	170787	22.66	ug/L		98
64) Toluene	10.481	91	574959	23.44	ug/L		100
65) 2-Nitropropane	10.713	41	135933	93.11	ug/L		96
66) 4-Methyl-2-pentanone	10.829	43	672165	115.99	ug/L		99
67) trans-1,3-Dichloropropene	10.884	75	165255	23.39	ug/L		95
68) Tetrachloroethene	10.878	166	185228	25.34	ug/L		99
69) Ethyl methacrylate	10.993	69	135186	20.61	ug/L		98
70) 1,1,2-Trichloroethane	11.048	83	101815	22.98	ug/L		99
71) Dibromochloromethane	11.243	129	129838	21.24	ug/L		100
72) 1,3-Dichloropropane	11.335	76	188947	20.58	ug/L		98
73) 1,2-Dibromoethane	11.505	107	120319	21.17	ug/L		99
74) 3,3-dimethyl-1-butanol	11.597	57	538260	1382.71	ug/L		99
75) 2-hexanone	11.652	43	468574	119.89	ug/L		99
76) 1-Chlorohexane	11.944	91	176629m	26.30	ug/L		
77) Ethylbenzene	12.005	91	662984	23.56	ug/L		98
78) Chlorobenzene	12.011	112	396394	23.67	ug/L		100
79) 1,1,1,2-Tetrachloroethane	12.060	131	135637	23.38	ug/L		97
80) m,p-Xylene	12.146	91	1009282	47.53	ug/L		98
81) o-Xylene	12.585	91	489668	23.86	ug/L		100
82) Styrene	12.639	104	346030	24.06	ug/L		99
83) Bromoform	12.700	173	77288	21.06	ug/L		98
84) Isopropylbenzene	12.889	105	620992	24.87	ug/L		99
87) cis-1,4-Dichloro-2-butene	13.249	53	34449	17.37	ug/L		87
88) n-Propylbenzene	13.310	91	707415	23.80	ug/L		98
89) Bromobenzene	13.334	156	163249	21.58	ug/L		98
90) 1,1,2,2-Tetrachloroethane	13.377	83	163470	21.97	ug/L		99
91) 1,3,5-Trimethylbenzene	13.493	105	492810	23.23	ug/L		99
92) 2-Chlorotoluene	13.670	91	422288	22.96	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.566	53	30474	16.05	ug/L	#	73
94) 1,2,3-Trichloropropane	13.542	110	49853	20.97	ug/L		98
95) Cyclohexanone	13.621	55	21583	122.26	ug/L		95
96) 4-Chlorotoluene	13.670	91	422288	22.96	ug/L		99
97) tert-Butylbenzene	13.834	91	269341	23.65	ug/L		99
99) 1,2,4-Trimethylbenzene	13.901	105	490710	23.87	ug/L		98
100) Pentachloroethane	13.889	167	83242	21.53	ug/L		97
101) sec-Butylbenzene	14.017	105	579357	25.50	ug/L		99
102) 4-Isopropyltoluene	14.145	119	496367	24.93	ug/L		99
103) 1,3-Dichlorobenzene	14.285	146	306921	23.32	ug/L		98
104) 1,2,3-Trimethylbenzene	14.359	105	520094	23.87	ug/L		99
105) 1,4-Dichlorobenzene	14.371	146	324846	24.15	ug/L		99
106) n-Butylbenzene	14.578	92	214840	21.74	ug/L		99
107) Benzyl Chloride	14.602	126	20848	10.35	ug/L	#	86
108) 1,2-Dichlorobenzene	14.791	146	285500	22.80	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 22:21:49 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

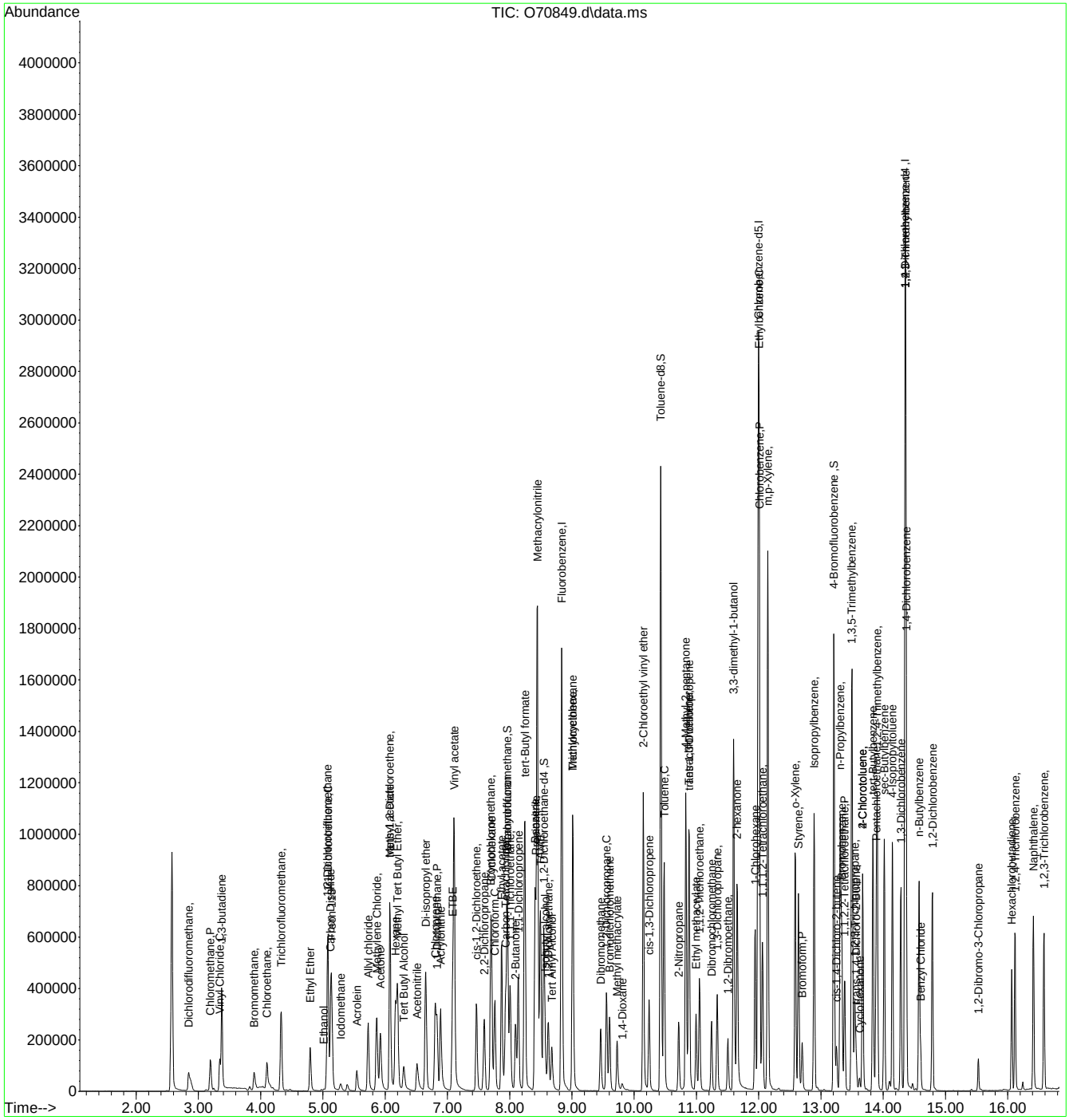
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	15.529	75	21708	18.44	ug/L	93
110) Hexachlorobutadiene	16.066	225	68132	23.83	ug/L	97
111) 1,2,4-Trichlorobenzene	16.120	180	166677	22.08	ug/L	99
112) Naphthalene	16.413	128	434226	22.46	ug/L	99
113) 1,2,3-Trichlorobenzene	16.584	180	163268	21.96	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 22:21:49 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

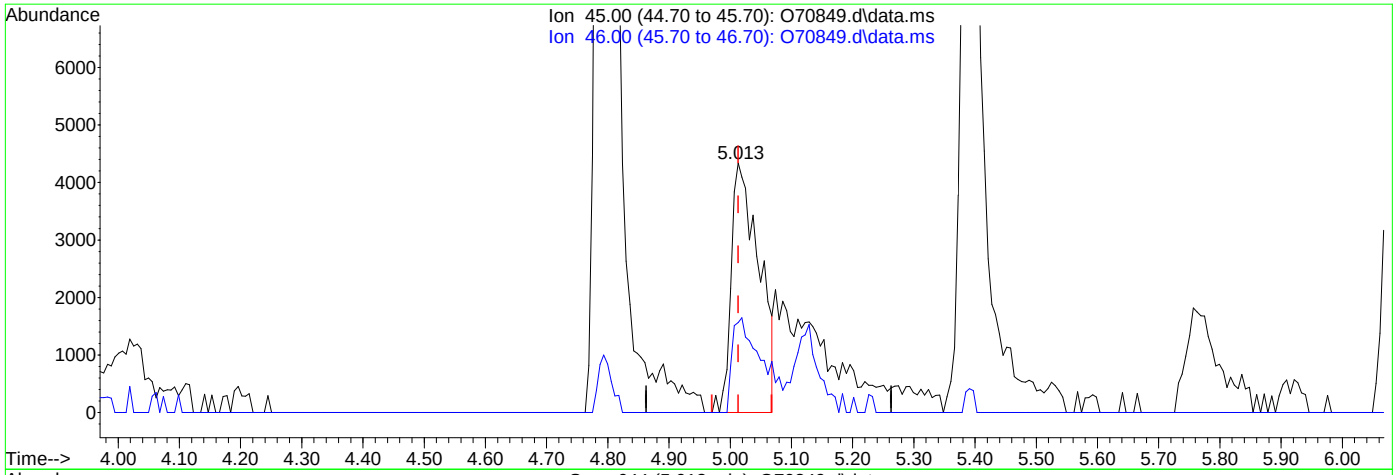
Sample Number: FA98394-2MSD
Lab FileID: O70849.D
Injection Time: 09/02/22 21:55
Method: SW846 8260D
Analyst approved: 09/05/22 02:33 Antonette Clutario
Supervisor approved: 09/07/22 15:51 Karen Watson

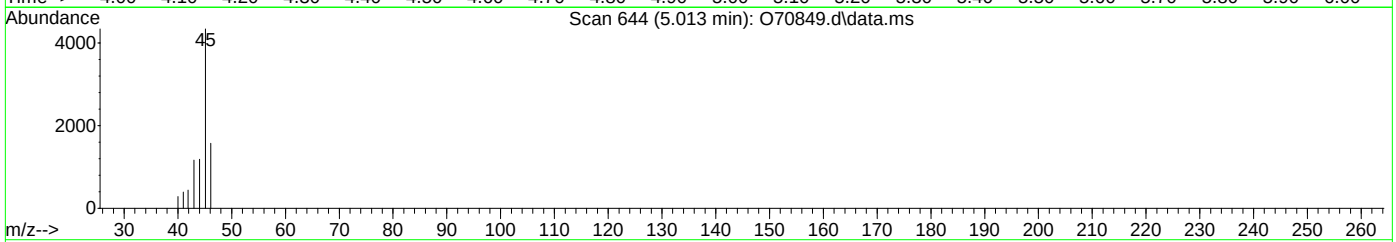
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

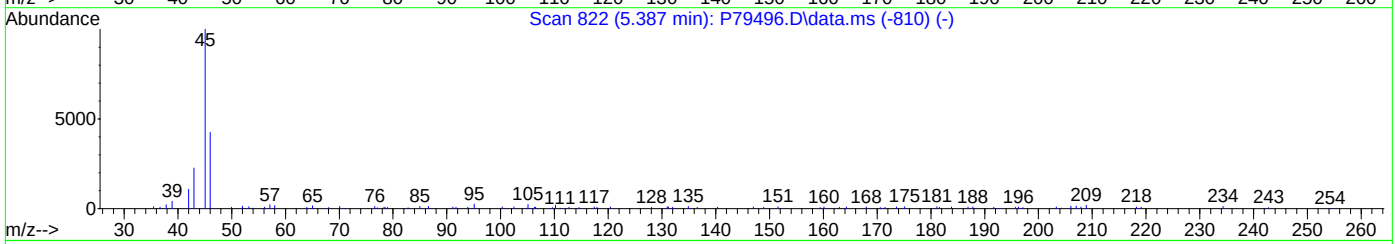
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 20:37:53 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70849.d\data.ms

(10) Ethanol

5.013min (-0.000) 291.48ug/L

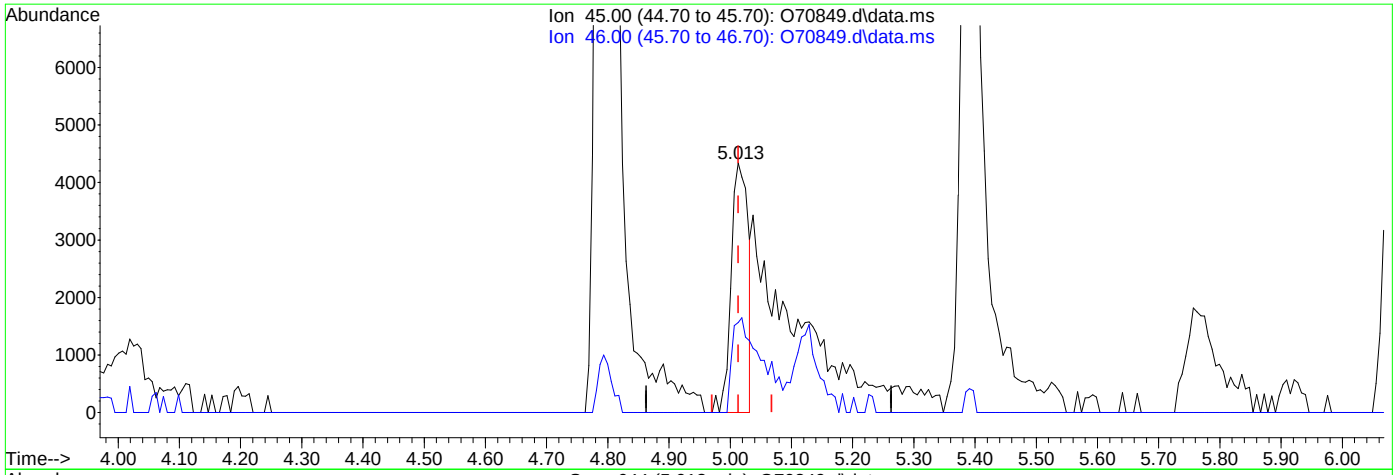
response 13684

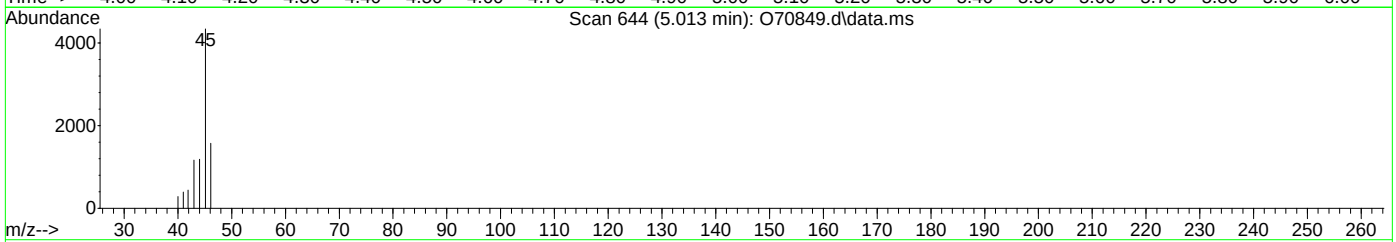
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	36.13
0.00	0.00	0.00
0.00	0.00	0.00

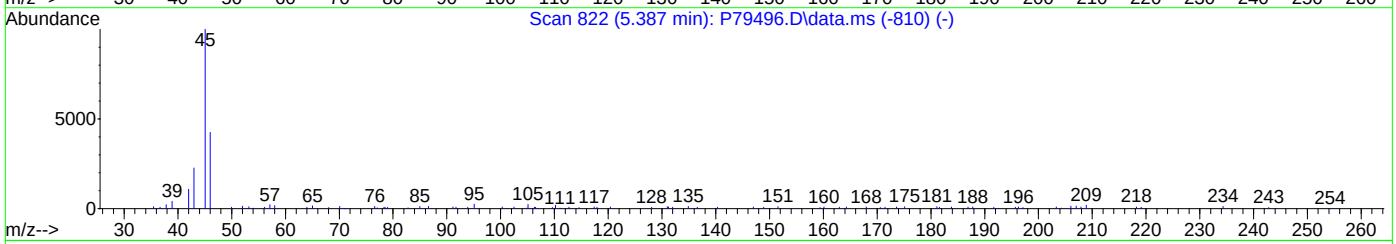
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 20:37:53 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70849.d\data.ms

(10) Ethanol

5.013min (-0.000) 175.83ug/L m

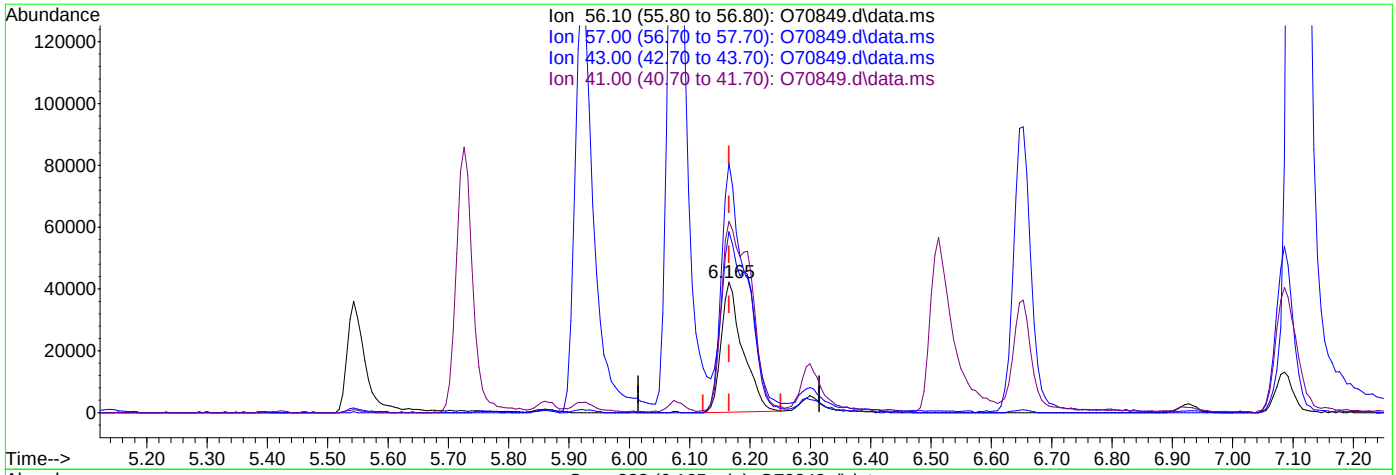
response 8210

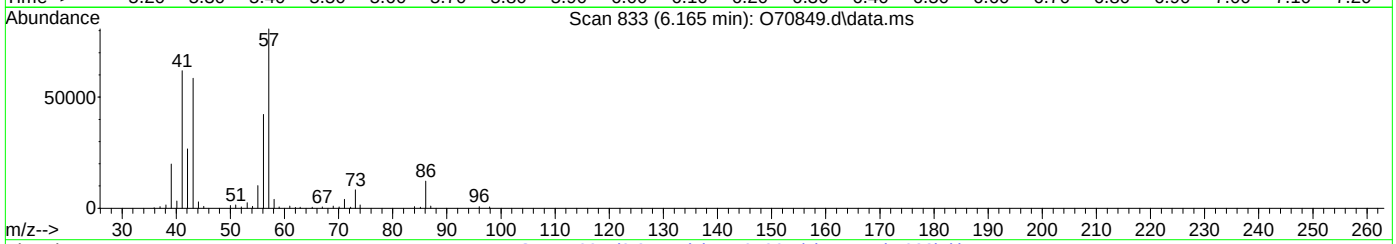
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	36.13
0.00	0.00	0.00
0.00	0.00	0.00

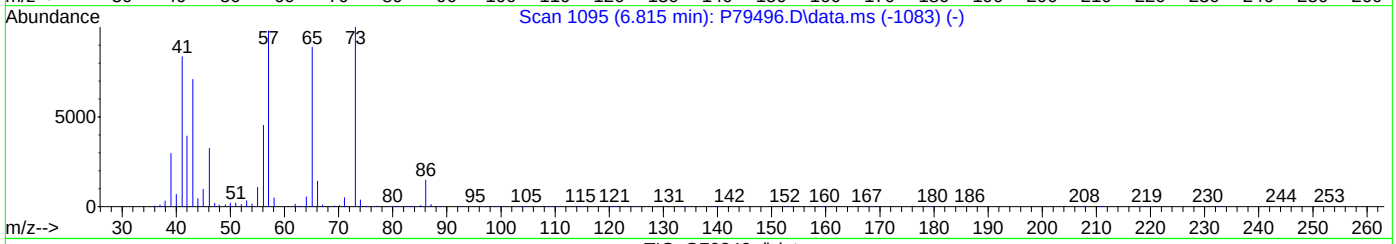
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 20:37:53 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70849.d\data.ms

(22) Hexane

6.165min (+0.000) 34.03ug/L

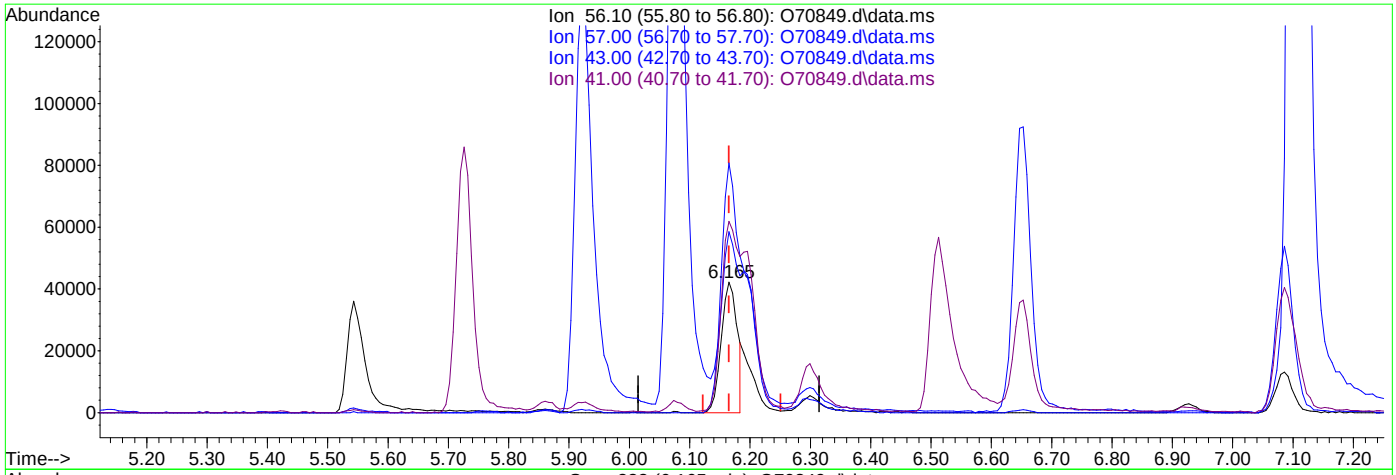
response 104333

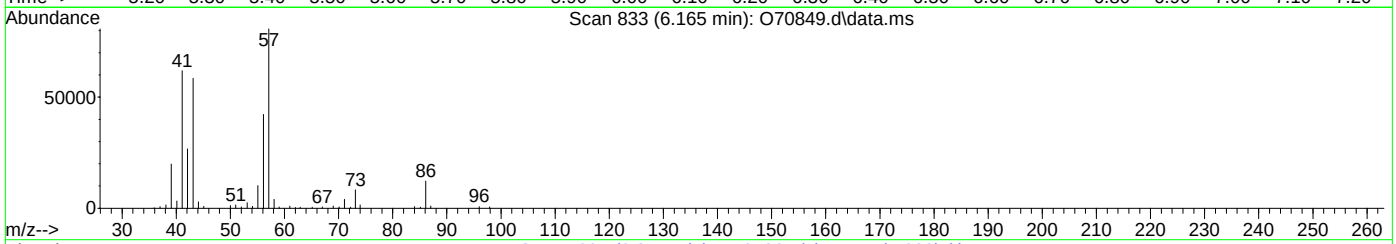
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	191.34
43.00	133.10	131.62
41.00	145.50	144.89

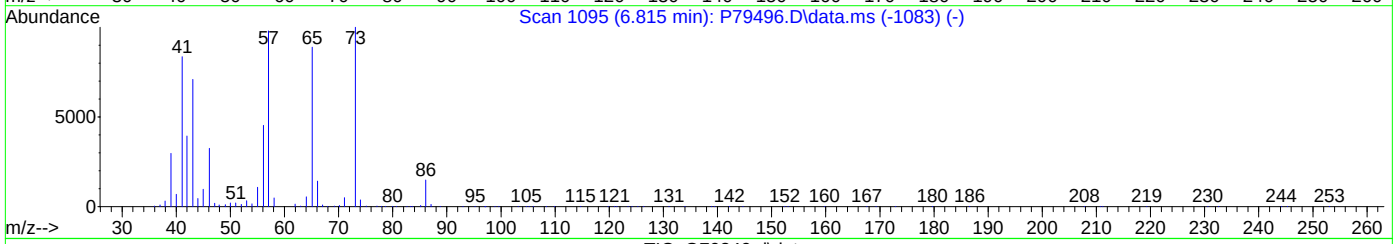
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 20:37:53 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70849.d\data.ms

(22) Hexane

6.165min (+0.000) 25.91ug/L m

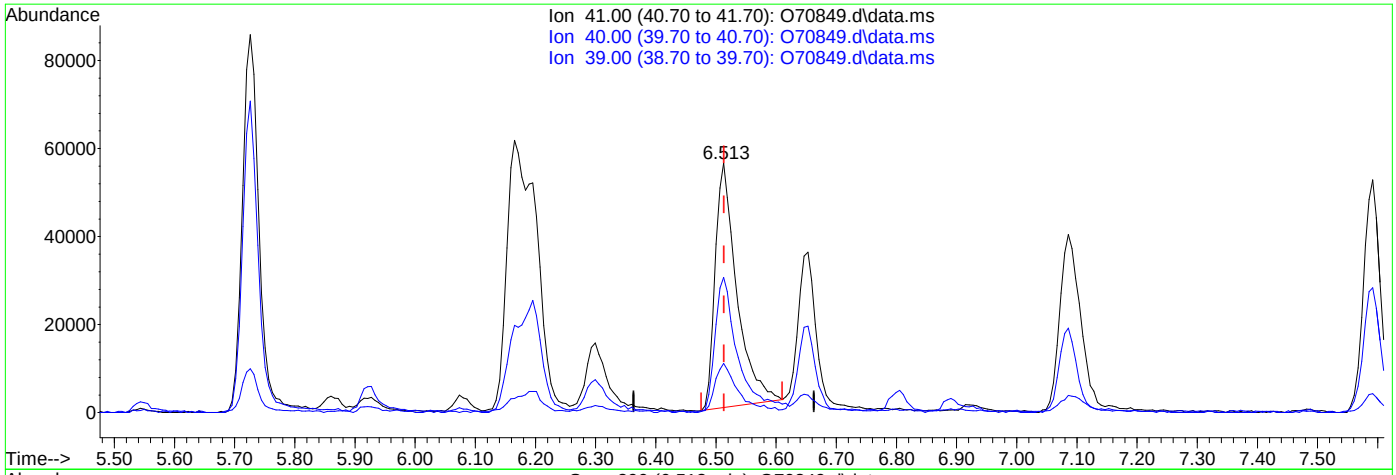
response 78639

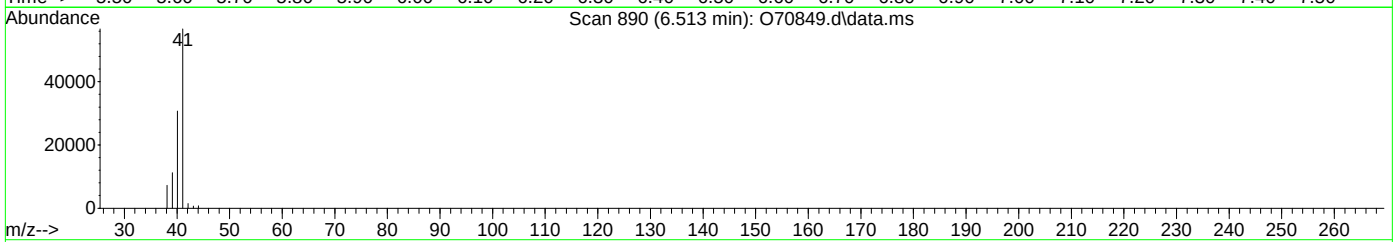
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	191.34
43.00	133.10	138.67
41.00	145.50	146.59

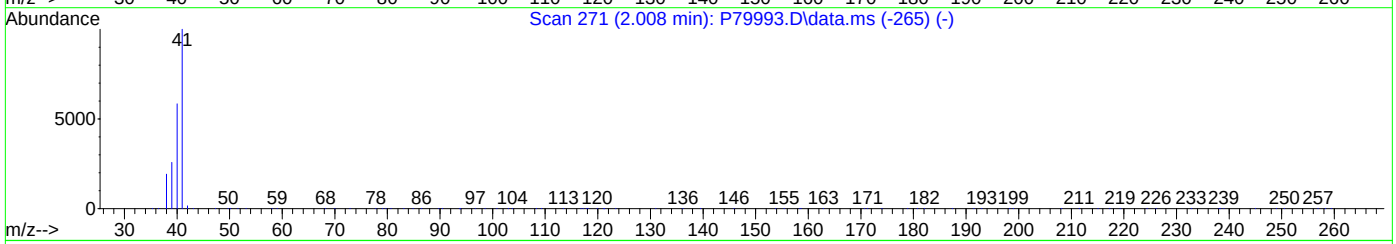
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 20:37:53 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70849.d\data.ms

(25) Acetonitrile

6.513min (-0.000) 205.79ug/L

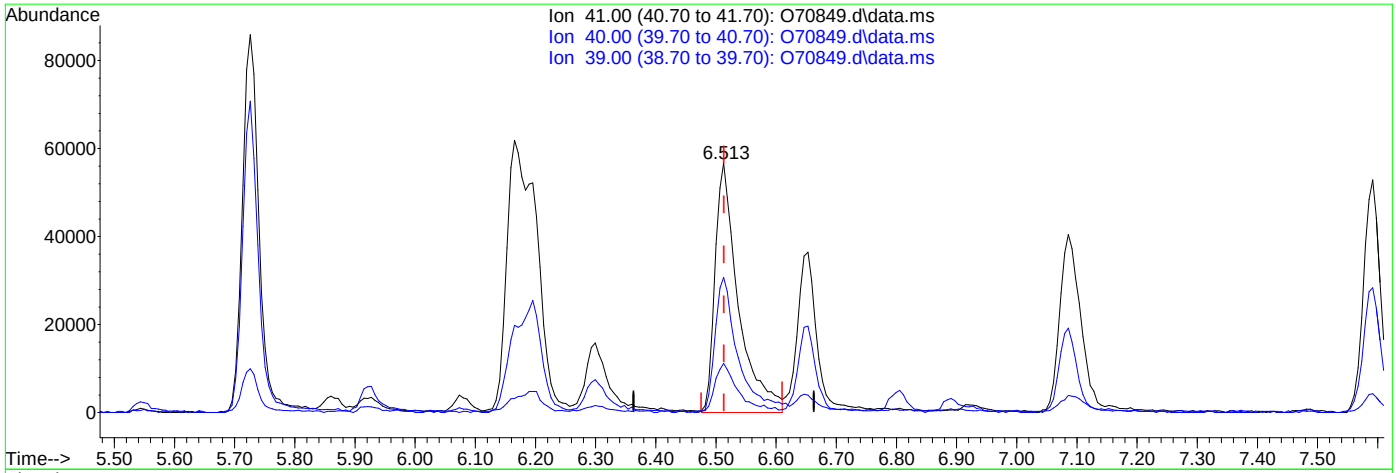
response 138194

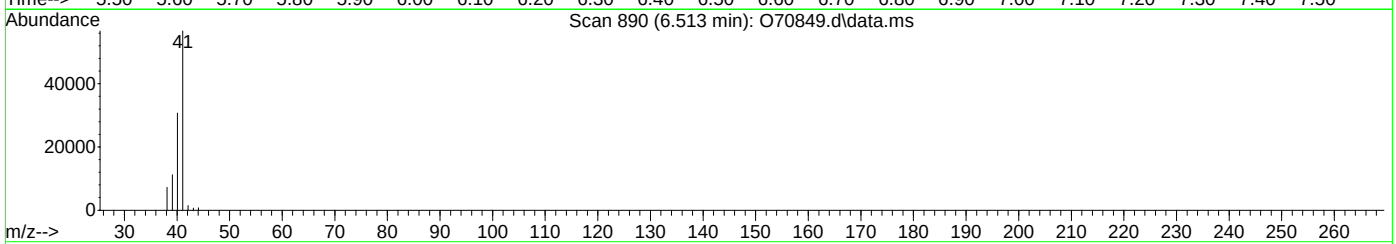
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.03
39.00	20.00	19.32
0.00	0.00	0.00

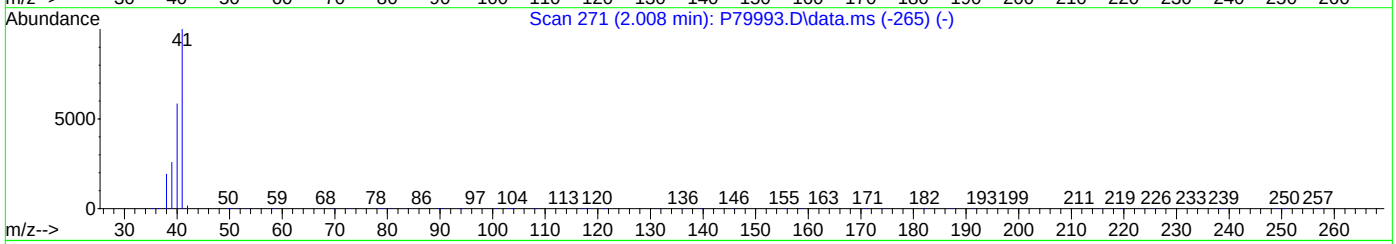
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 20:37:53 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70849.d\data.ms

(25) Acetonitrile

6.513min (-0.000) 226.32ug/L m

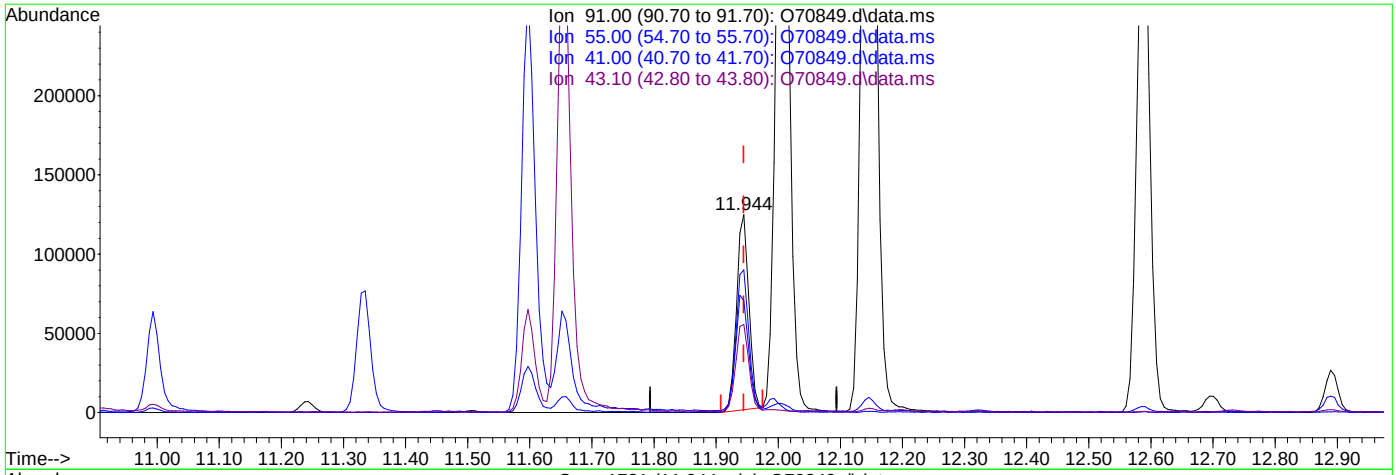
response 152000

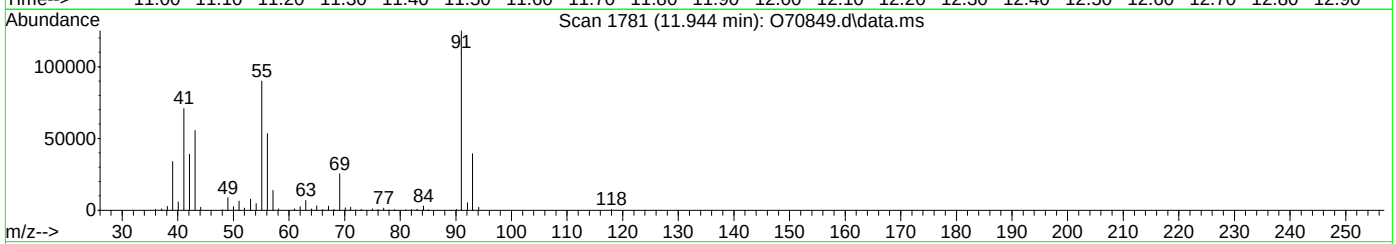
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.15
39.00	20.00	19.74
0.00	0.00	0.00

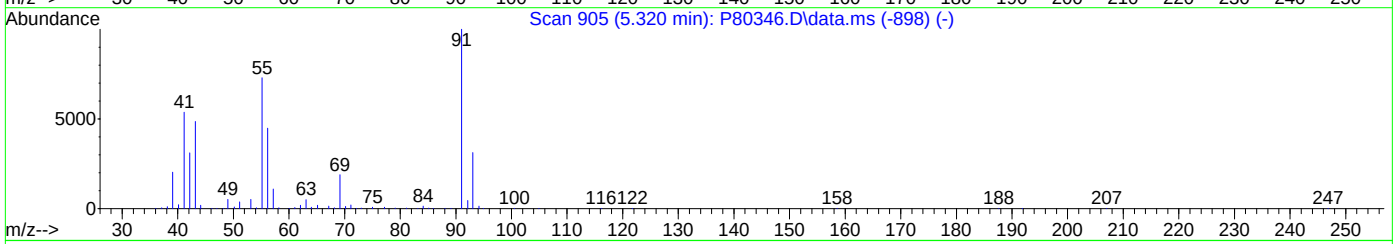
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 20:37:53 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70849.d\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 25.31ug/L

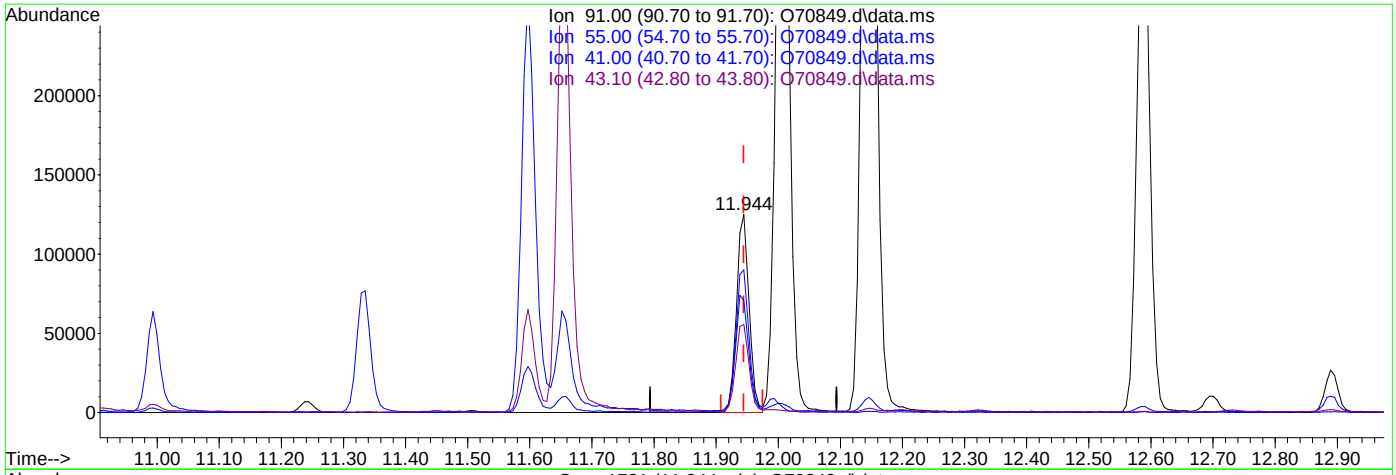
response 169981

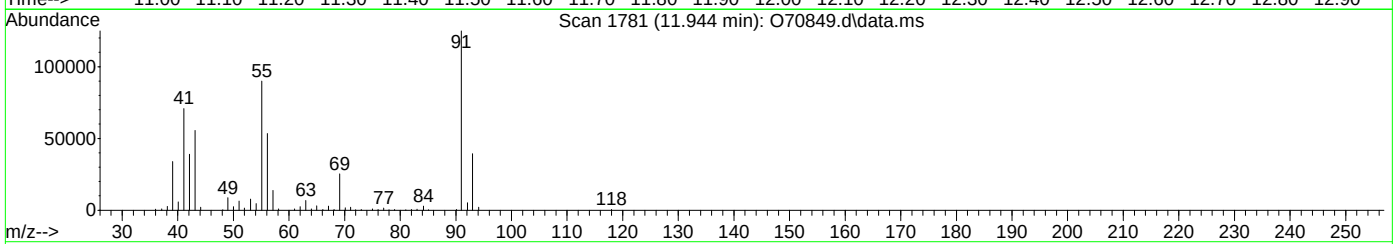
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	71.73
41.00	54.70	55.60
43.10	44.50	43.89

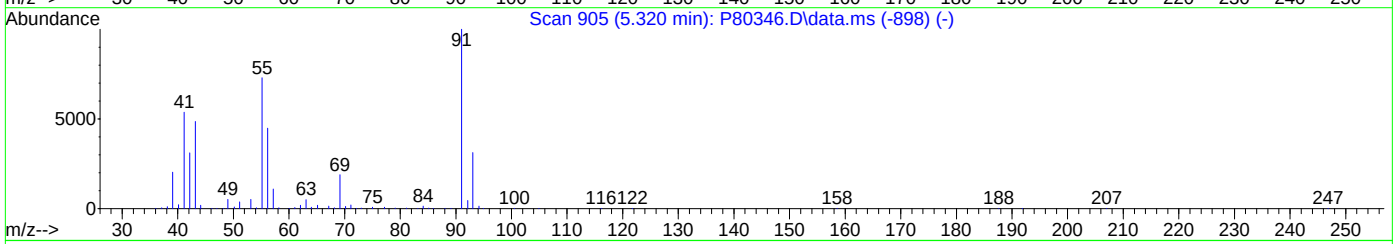
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 20:37:53 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70849.d\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 26.30ug/L m

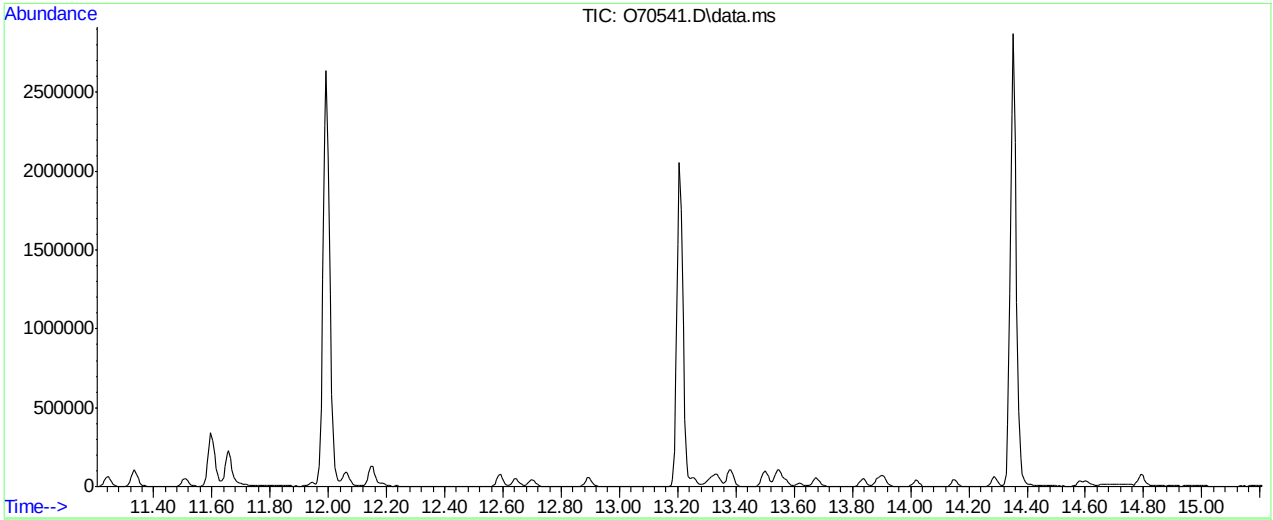
response 176629

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	72.03
41.00	54.70	56.67
43.10	44.50	44.47

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2022-08-23\O70541.D Vial: 1
Acq On : 23 Aug 2022 11:06 am Operator: joannel
Sample : BFB Inst : MSVOA12
Misc : MS52195,VO2796,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1987, 1988, 1989; Background Corrected with Scan 1980

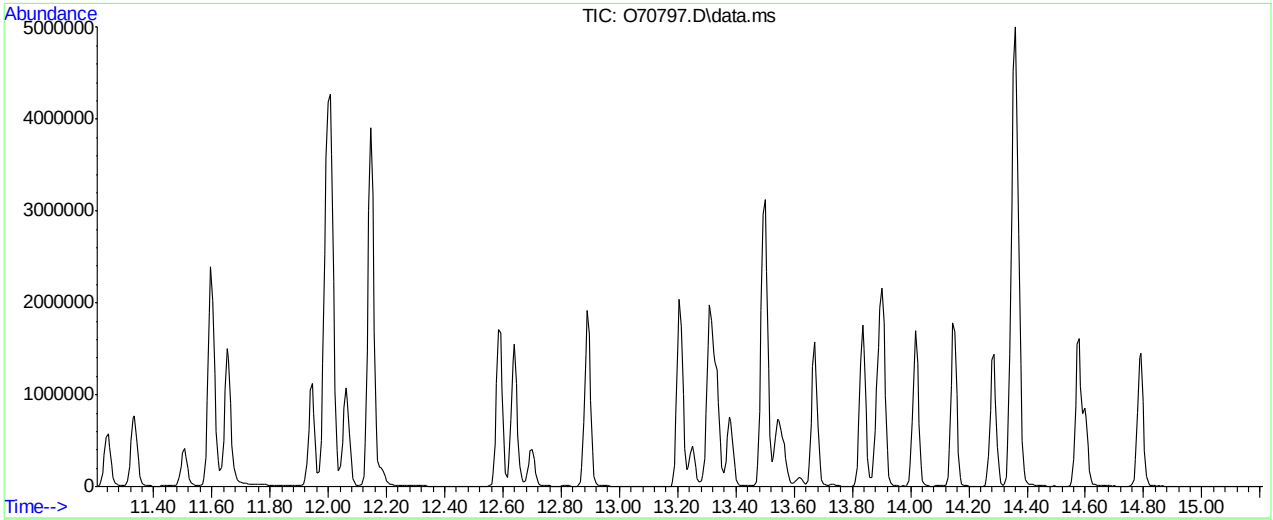
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	69296	PASS
75	95	30	60	49.6	173760	PASS
95	95	100	100	100.0	350208	PASS
96	95	5	9	6.6	23064	PASS
173	174	0.00	2	0.5	1598	PASS
174	95	50	100	91.7	321301	PASS
175	174	5	9	7.1	22811	PASS
176	174	95	101	96.8	310997	PASS
177	176	5	9	6.5	20228	PASS

O70541.D VO_08-23-2022.M Wed Aug 24 09:43:50 2022

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2022-09-01\O70797.D Vial: 2
Acq On : 1 Sep 2022 11:29 am Operator: joannel
Sample : BFB Inst : MSVOA12
Misc : MS52195,VO2808,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1987, 1988, 1989; Background Corrected with Scan 1980

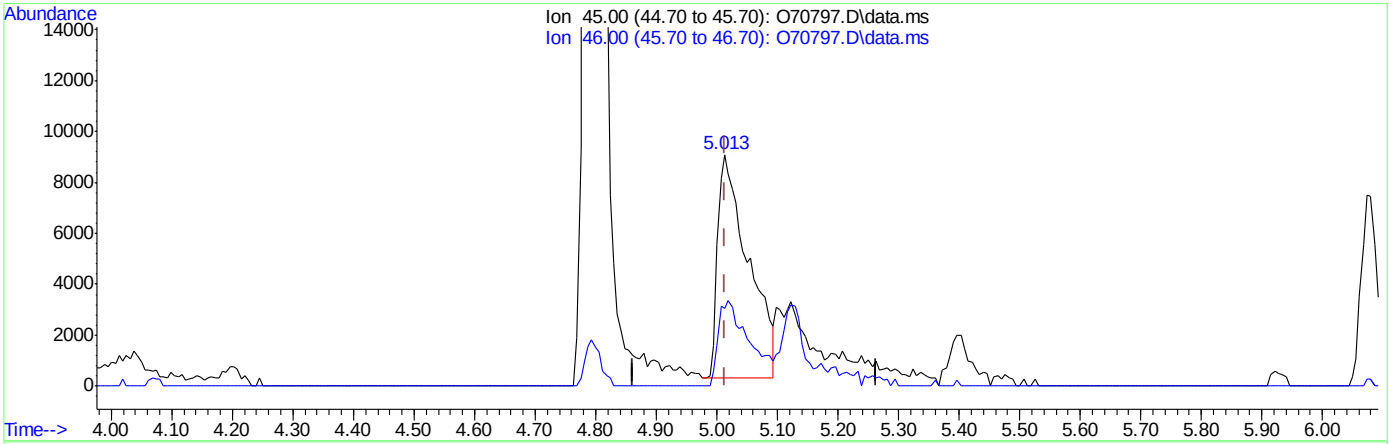
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.5	68048	PASS
75	95	30	60	49.4	172672	PASS
95	95	100	100	100.0	349227	PASS
96	95	5	9	6.7	23443	PASS
173	174	0.00	2	0.5	1695	PASS
174	95	50	100	91.8	320597	PASS
175	174	5	9	7.1	22611	PASS
176	174	95	101	95.9	307477	PASS
177	176	5	9	6.8	20872	PASS

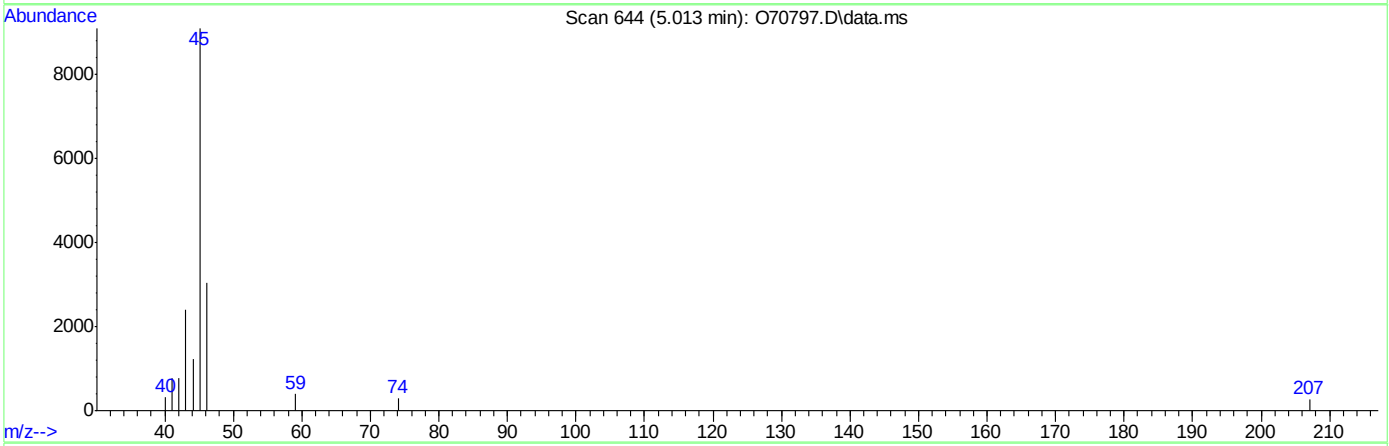
O70797.D VO_08-23-2022.M Thu Sep 01 11:50:33 2022

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(10) Ethanol

5.013min (-0.000) 564.93ug/L

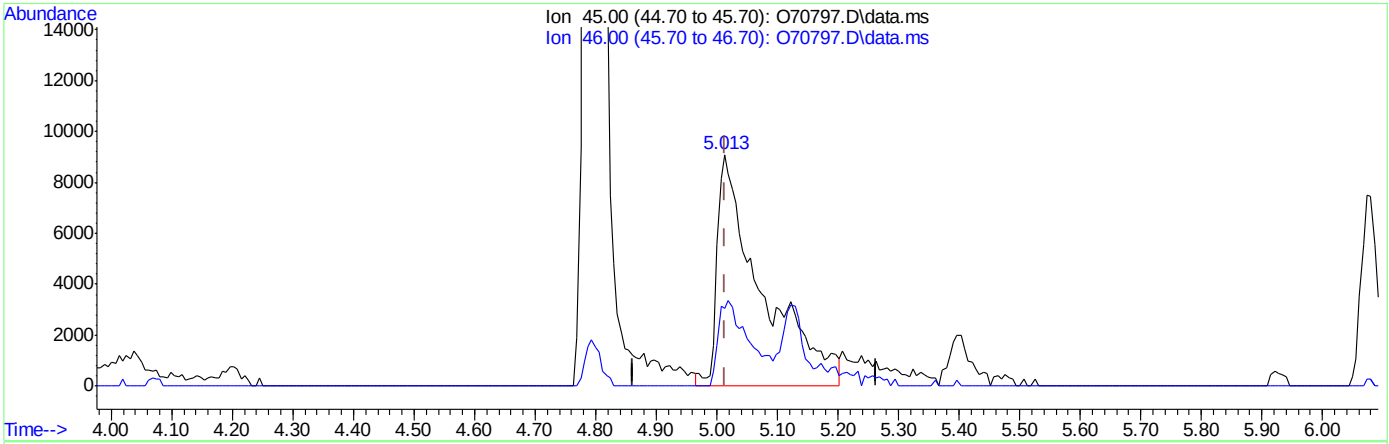
response 30670

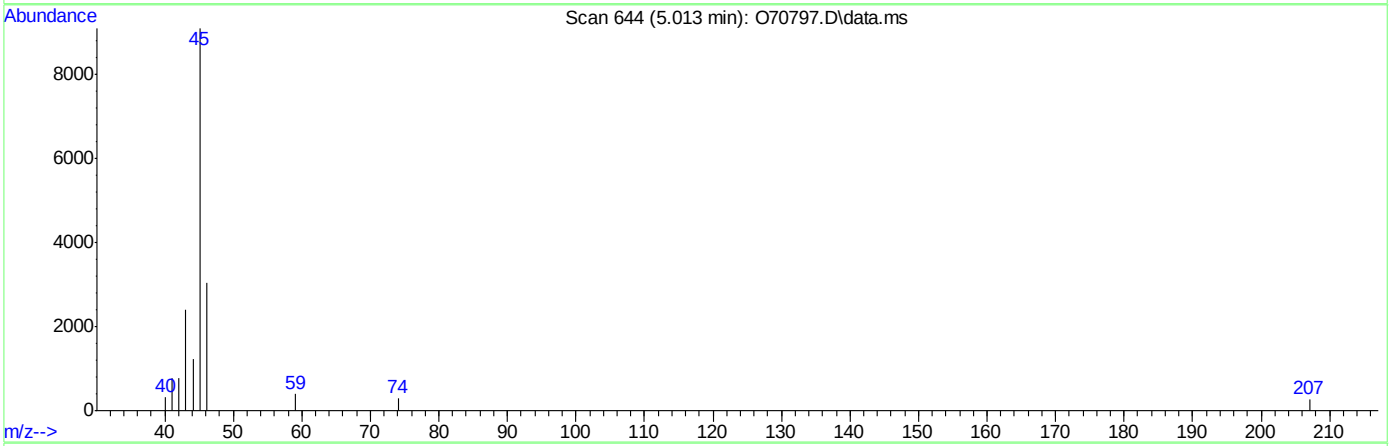
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	34.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(10) Ethanol

5.013min (-0.000) 840.38ug/L m

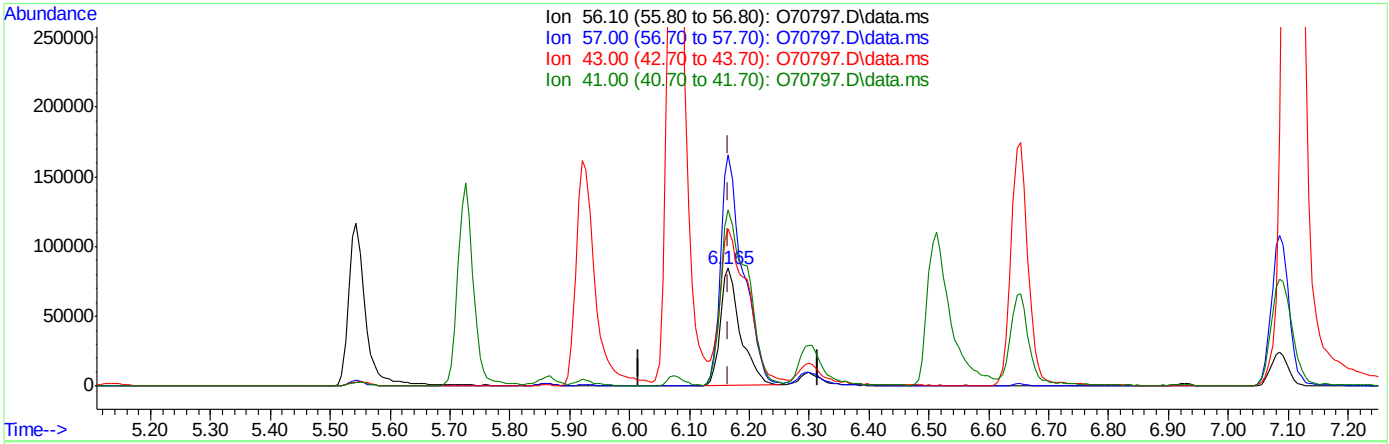
response 46206

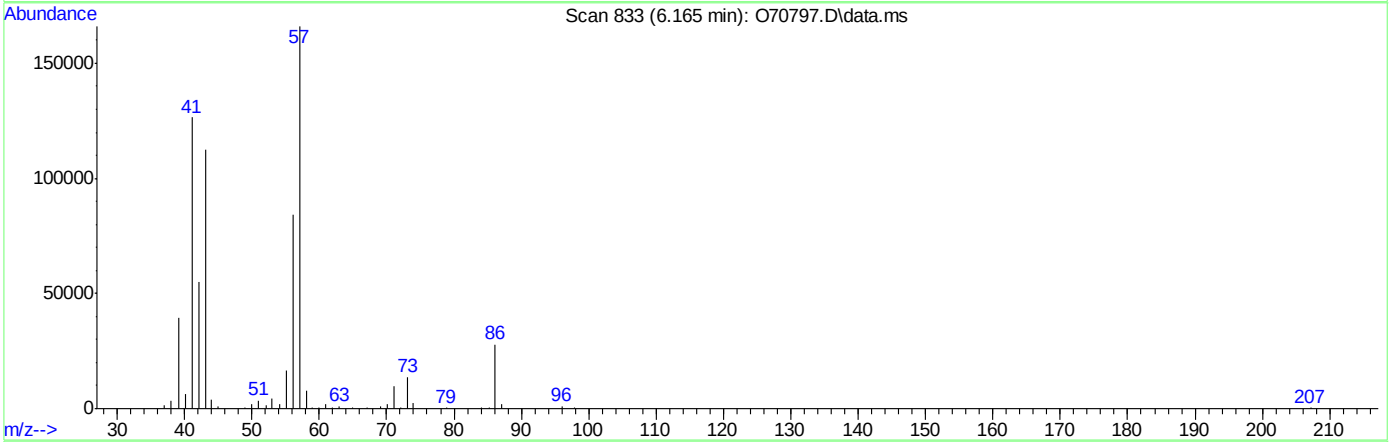
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	33.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(22) Hexane

6.165min (+0.000) 54.38ug/L

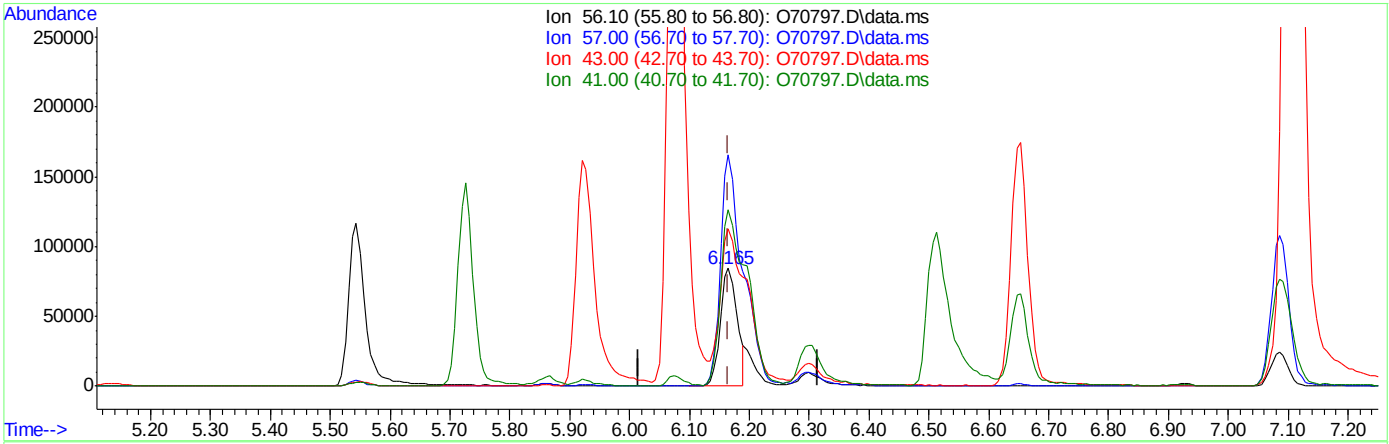
response 195024

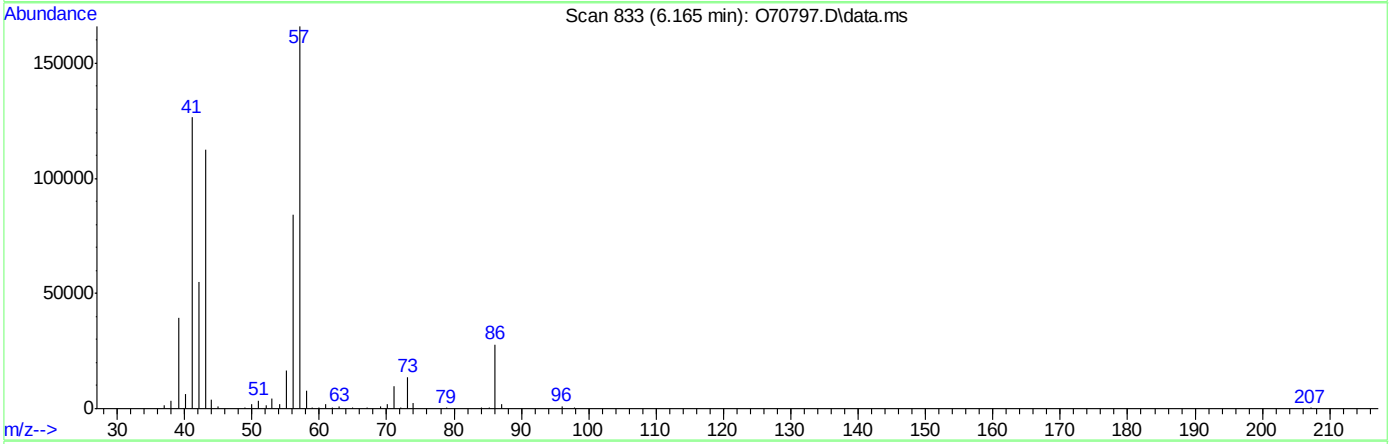
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	196.53
43.00	133.10	127.41
41.00	145.50	148.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(22) Hexane

6.165min (+0.000) 46.87ug/L m

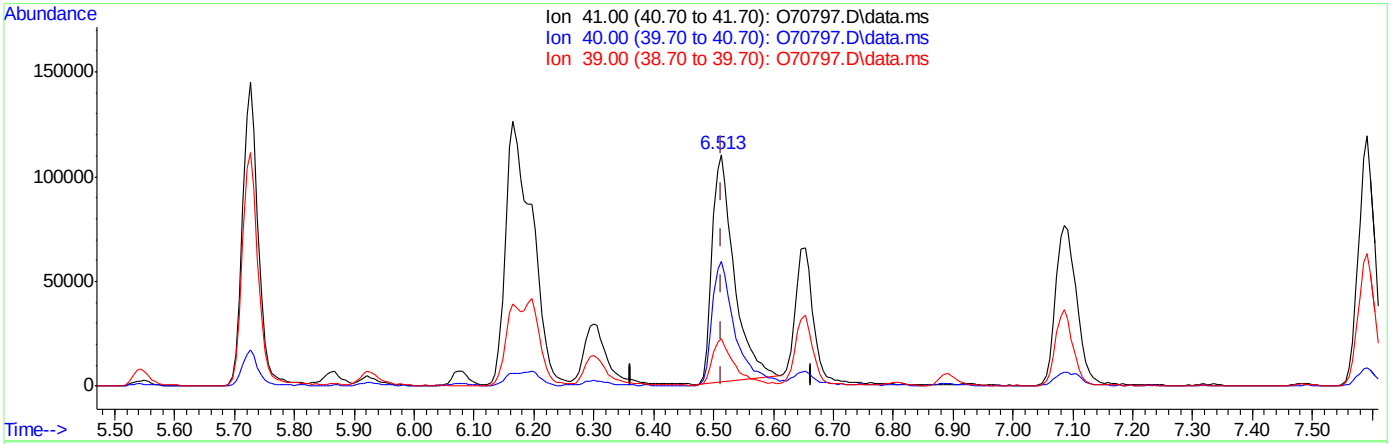
response 166581

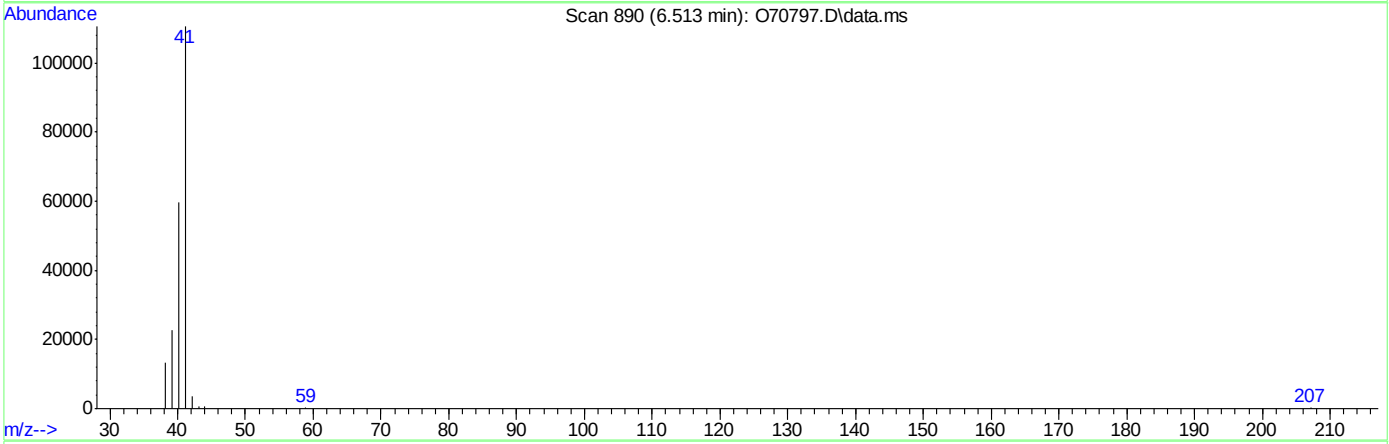
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	196.53
43.00	133.10	133.39
41.00	145.50	149.78

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 360.32ug/L

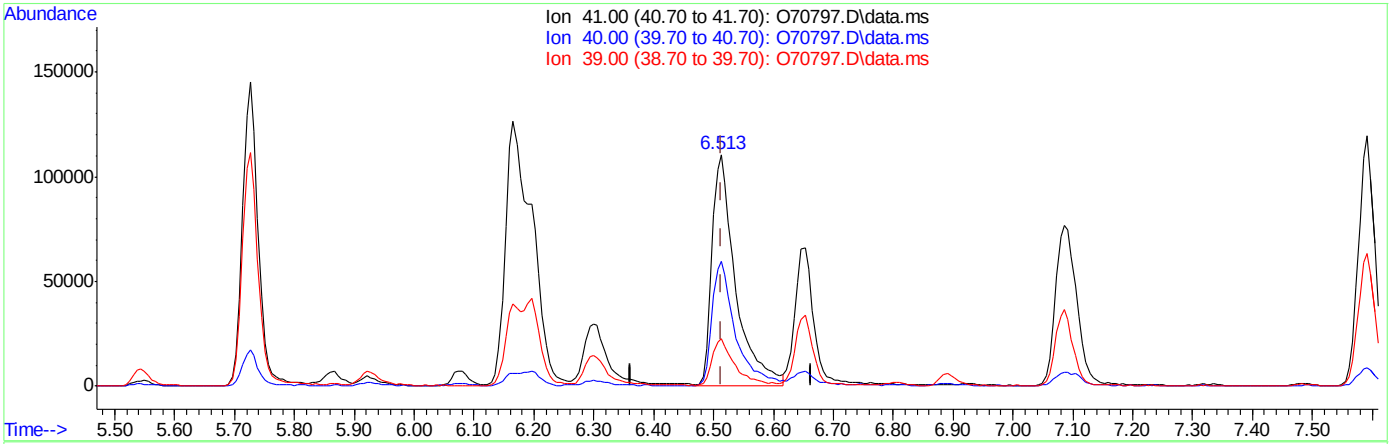
response 276594

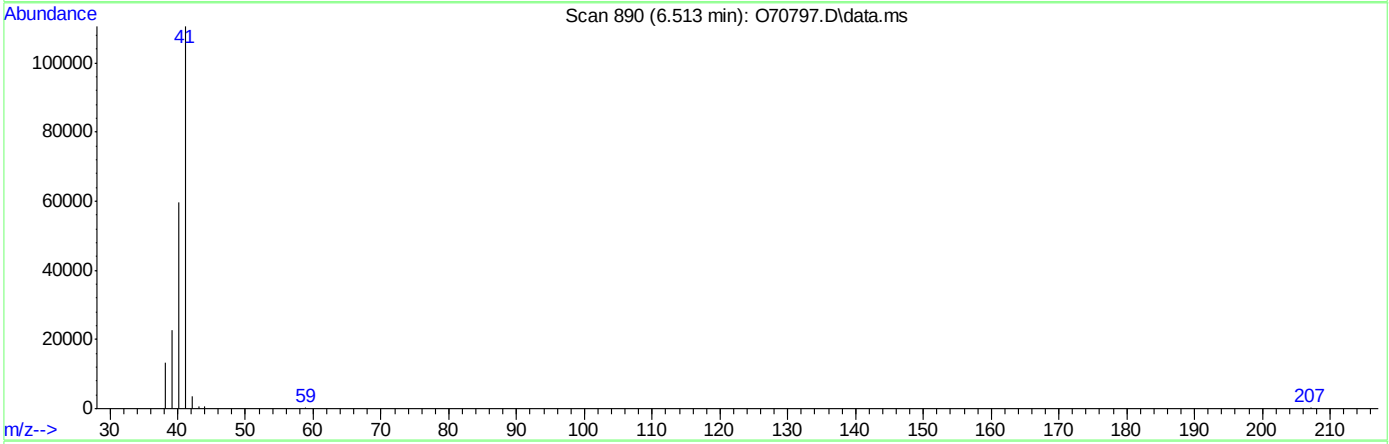
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.00
39.00	20.00	20.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 393.96ug/L m

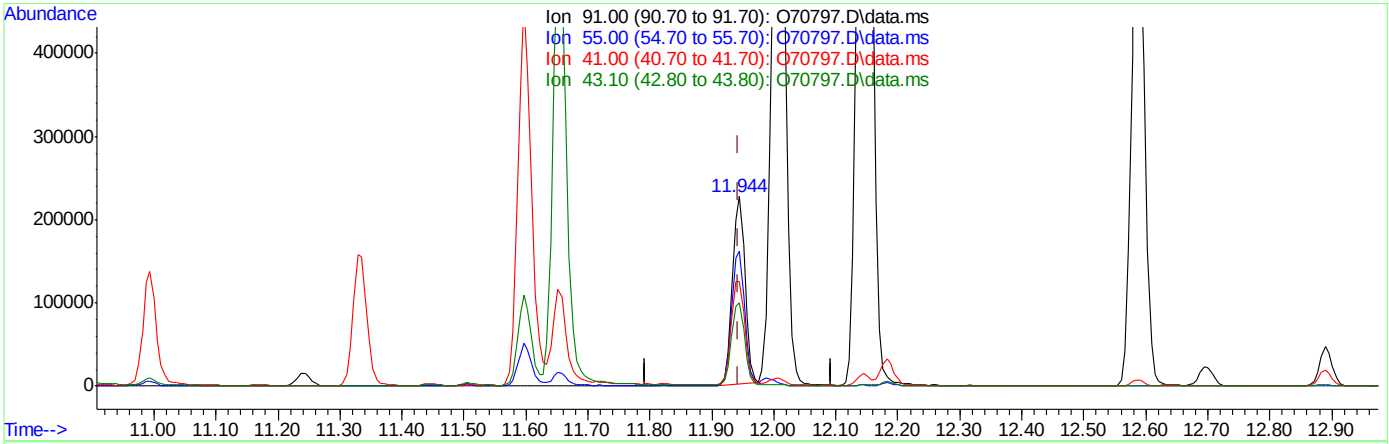
response 302489

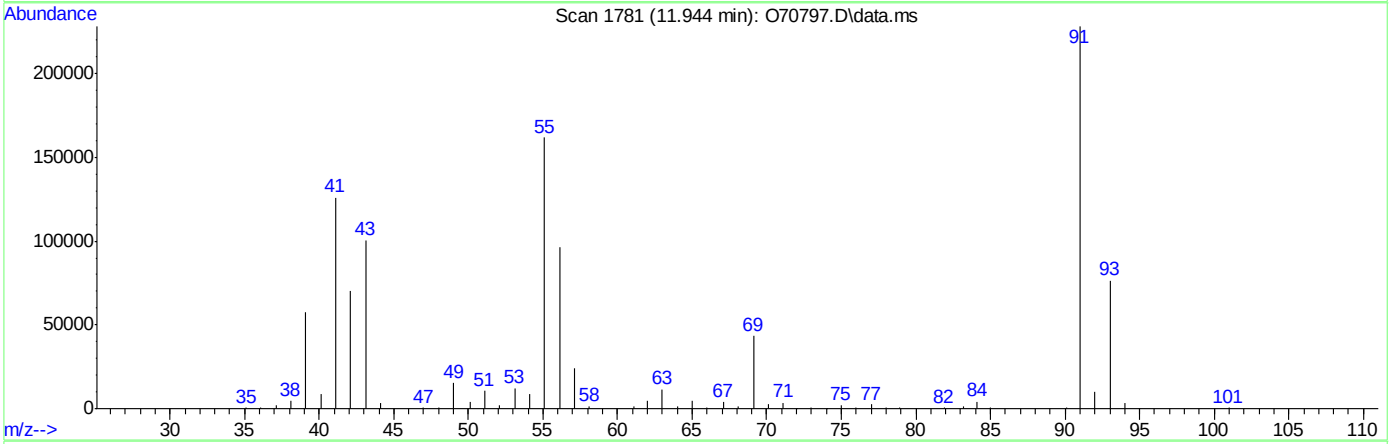
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	53.98
39.00	20.00	20.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 40.98ug/L

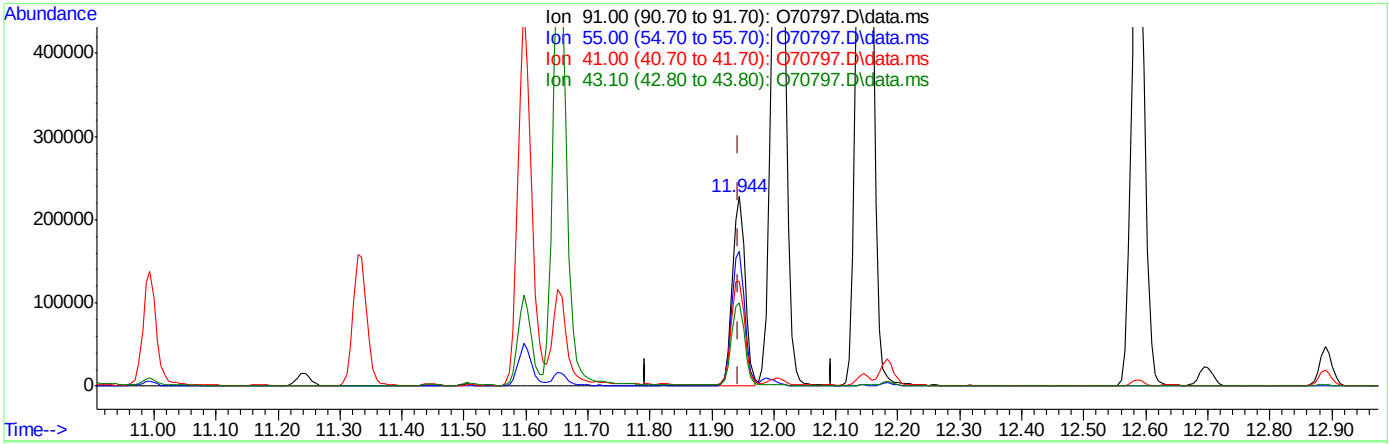
response 312670

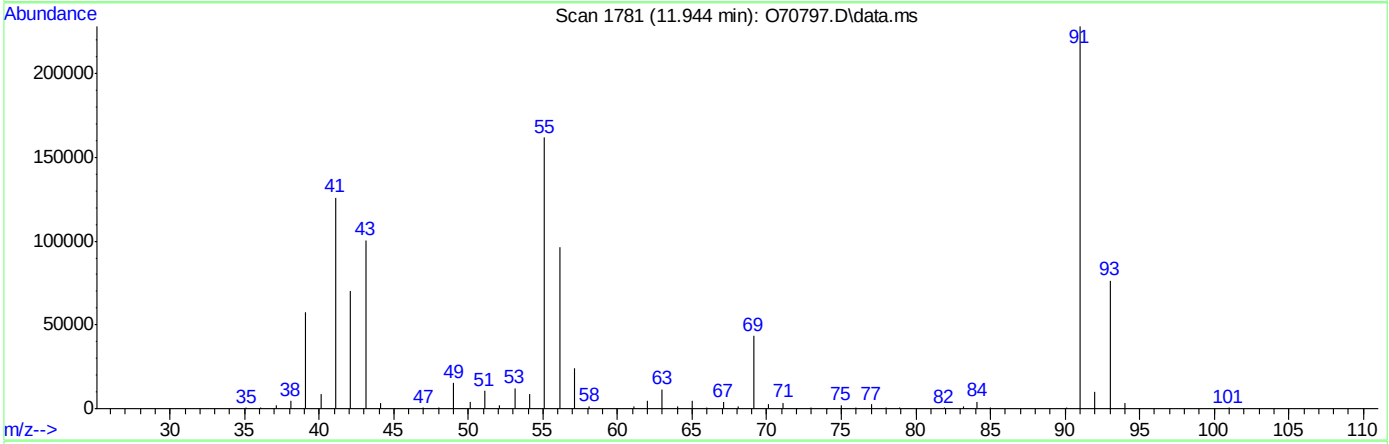
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.56
41.00	54.70	54.39
43.10	44.50	43.39

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 42.13ug/L m

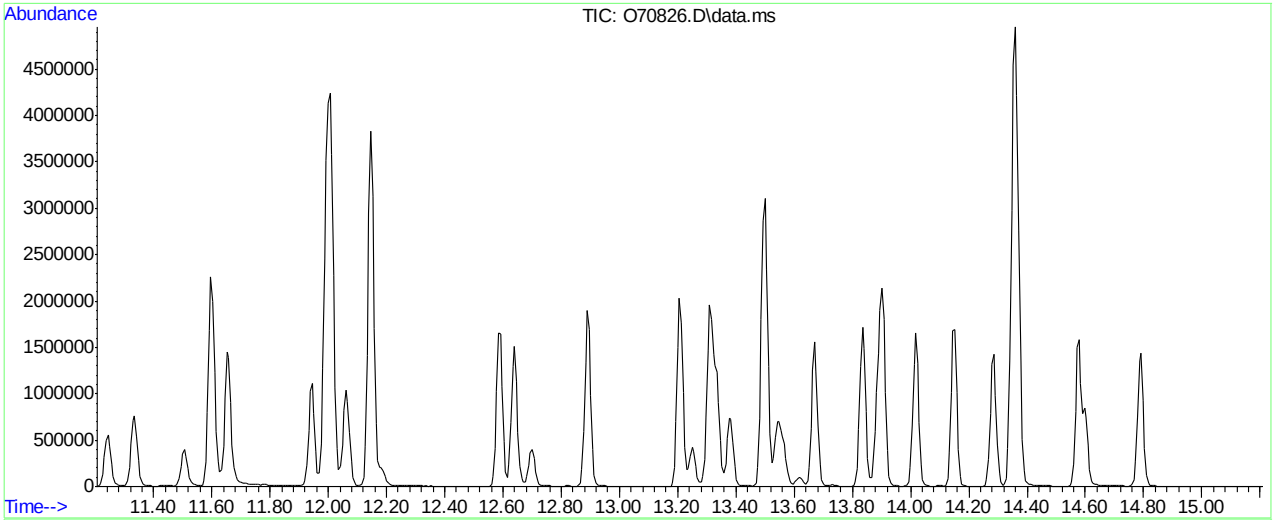
response 321445

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.88
41.00	54.70	55.14
43.10	44.50	44.04

Methods: SW-846 8260B

```
Data File : C:\msdchem\2\data\2022-09-02\O70826.D        Vial: 3
Acq On    :  2 Sep 2022  12:22 pm                    Operator: joannel
Sample    : BFB                                      Inst    : MSVOA12
Misc      : MS52195,VO2809,,,,,                      Multiplr: 1.00
MS Integration Params: big.p

Method    : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title     : SW-846 Method 5035A/8260B
```



AutoFind: Scans 1987, 1988, 1989; Background Corrected with Scan 1980

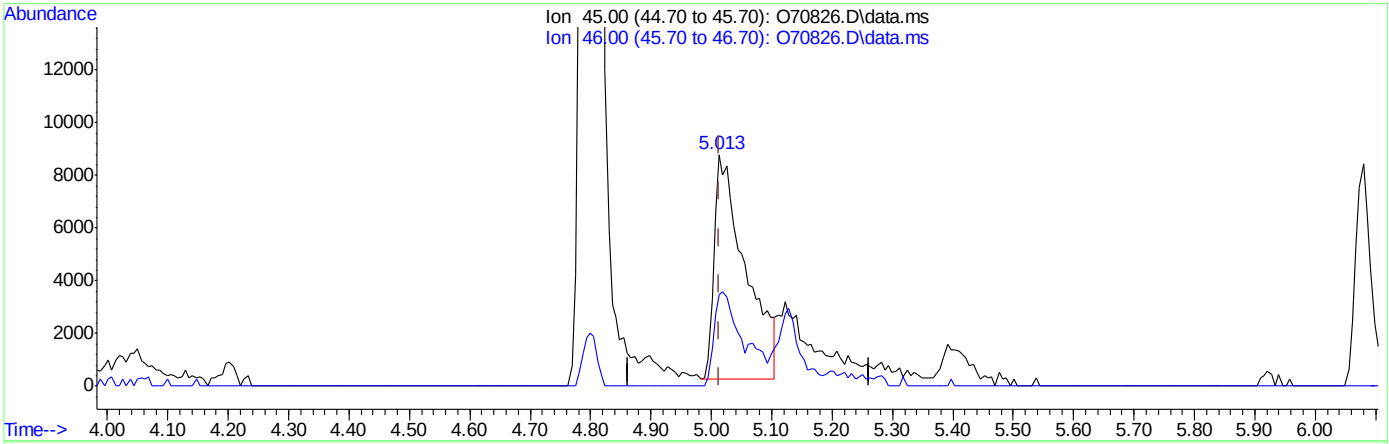
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.3	69416	PASS
75	95	30	60	50.2	171605	PASS
95	95	100	100	100.0	342144	PASS
96	95	5	9	7.0	23869	PASS
173	174	0.00	2	0.6	1997	PASS
174	95	50	100	92.5	316352	PASS
175	174	5	9	7.1	22315	PASS
176	174	95	101	96.5	305259	PASS
177	176	5	9	6.4	19675	PASS

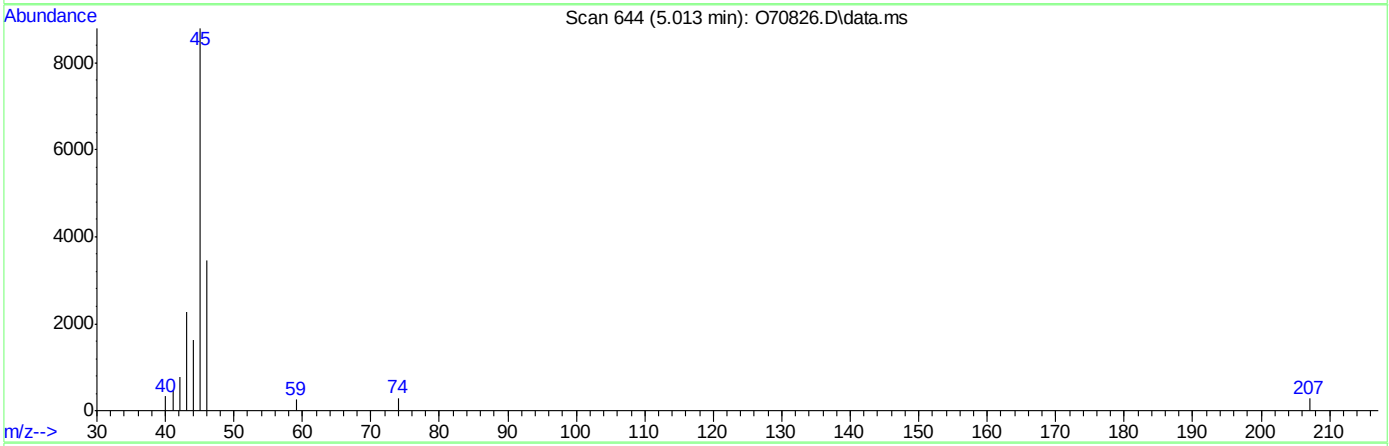
O70826.D VO_08-23-2022.M Fri Sep 02 12:45:29 2022

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(10) Ethanol

5.013min (-0.000) 576.56ug/L

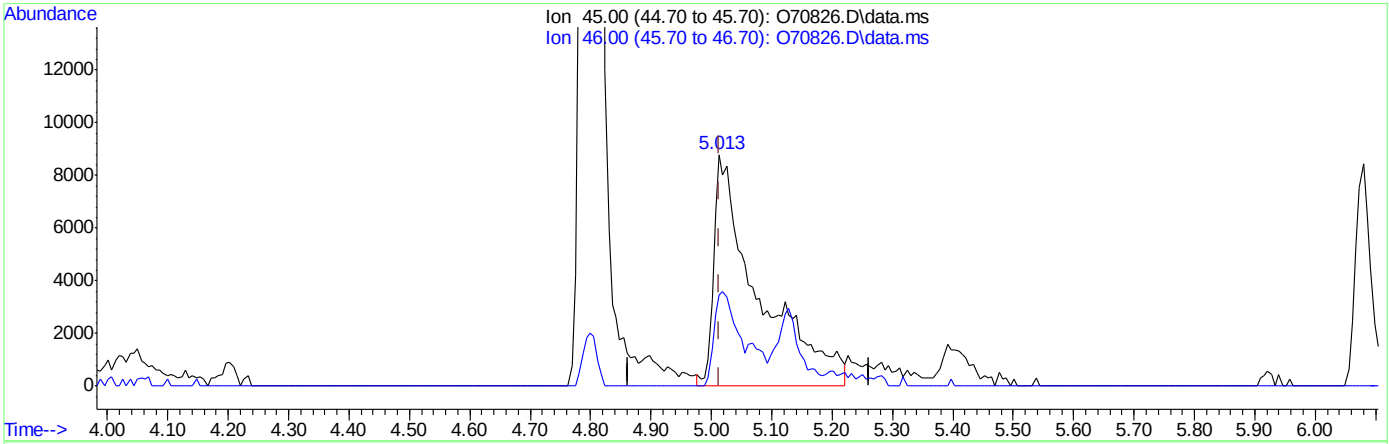
response 30607

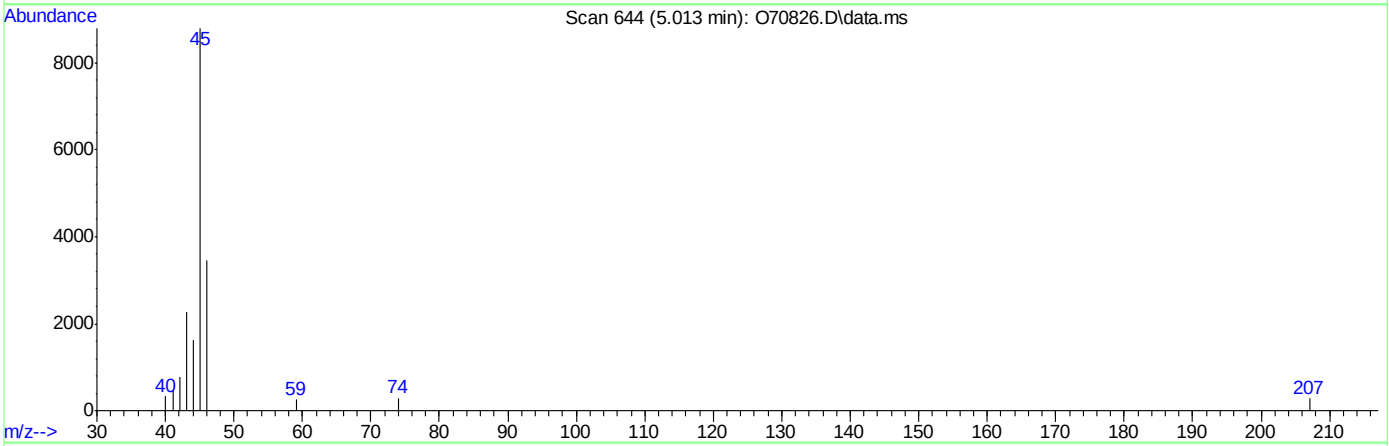
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	40.63
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(10) Ethanol

5.013min (-0.000) 840.20ug/L m

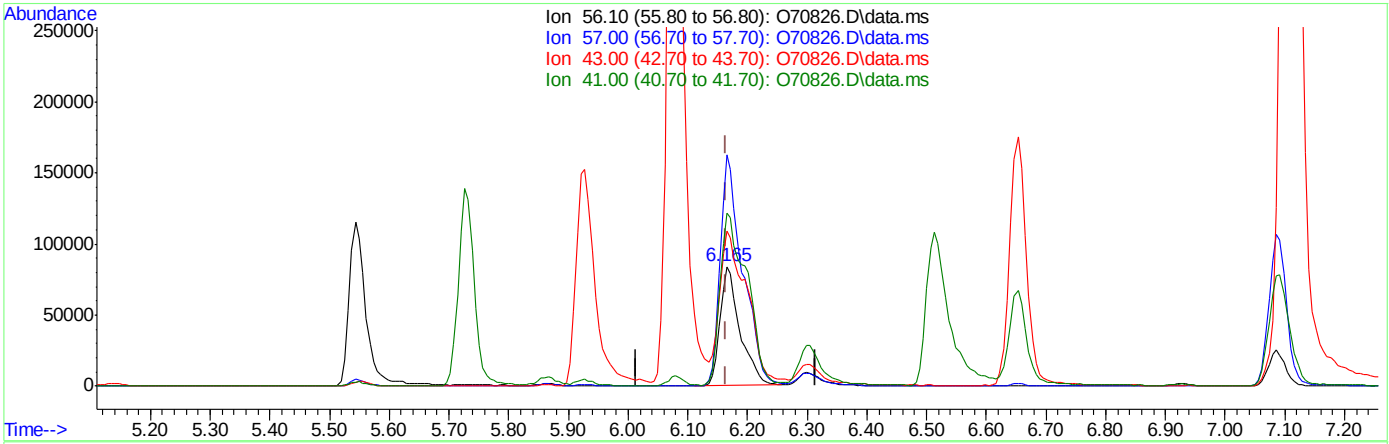
response 45146

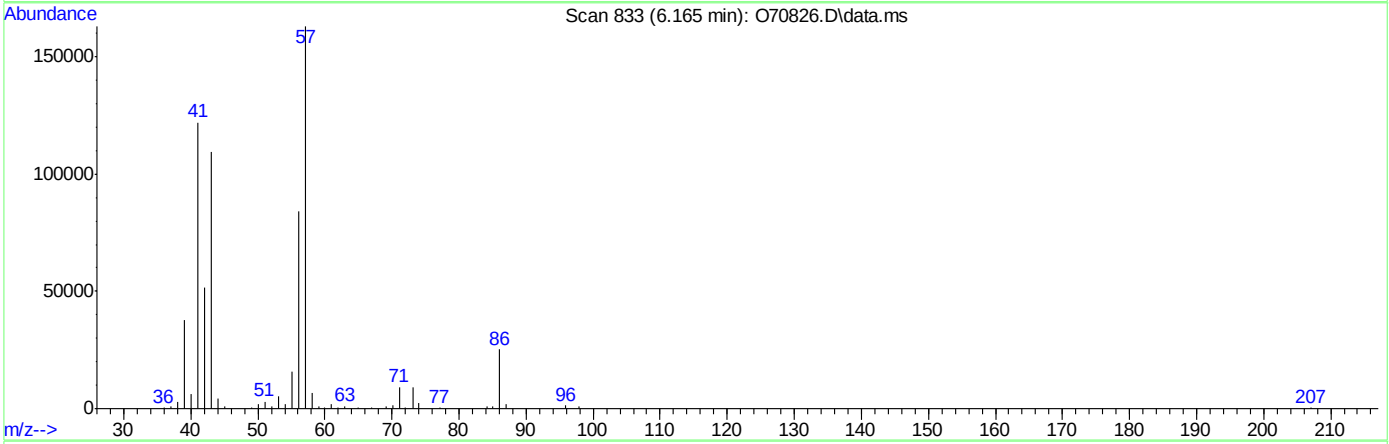
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	39.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(22) Hexane

6.165min (+0.000) 55.27ug/L

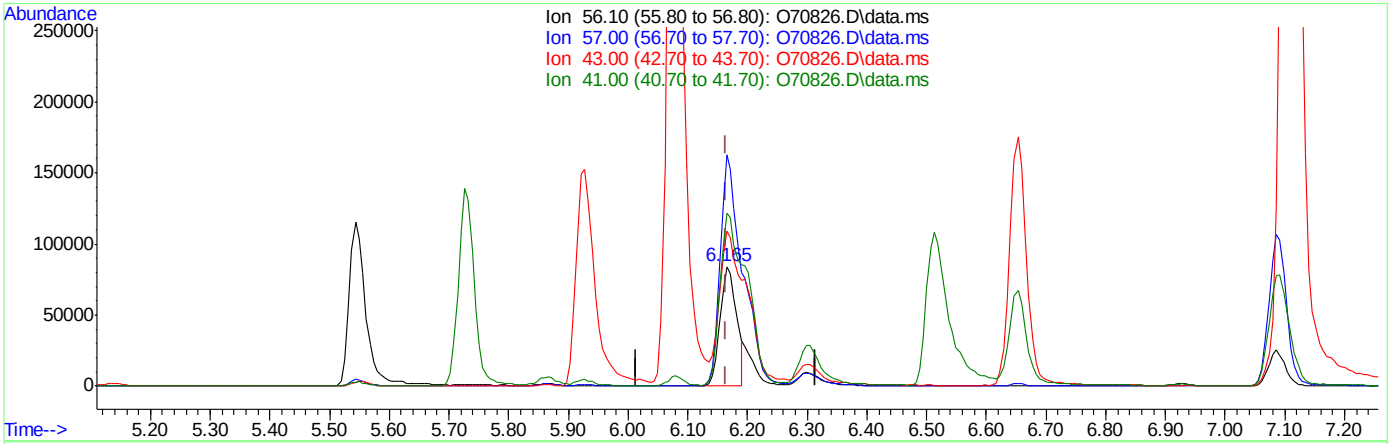
response 193931

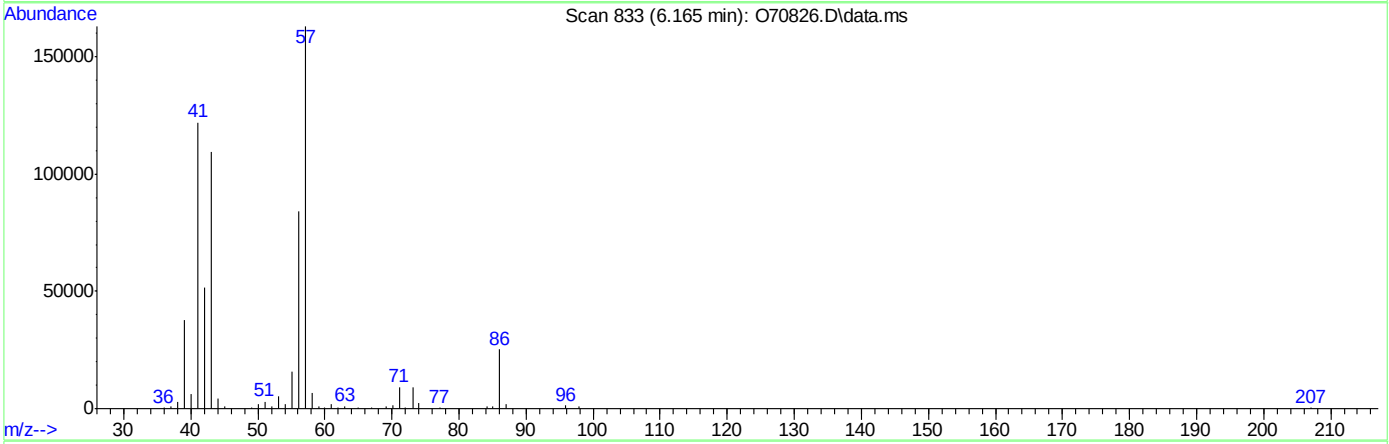
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	193.69
43.00	133.10	124.24
41.00	145.50	143.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(22) Hexane

6.165min (+0.000) 46.44ug/L m

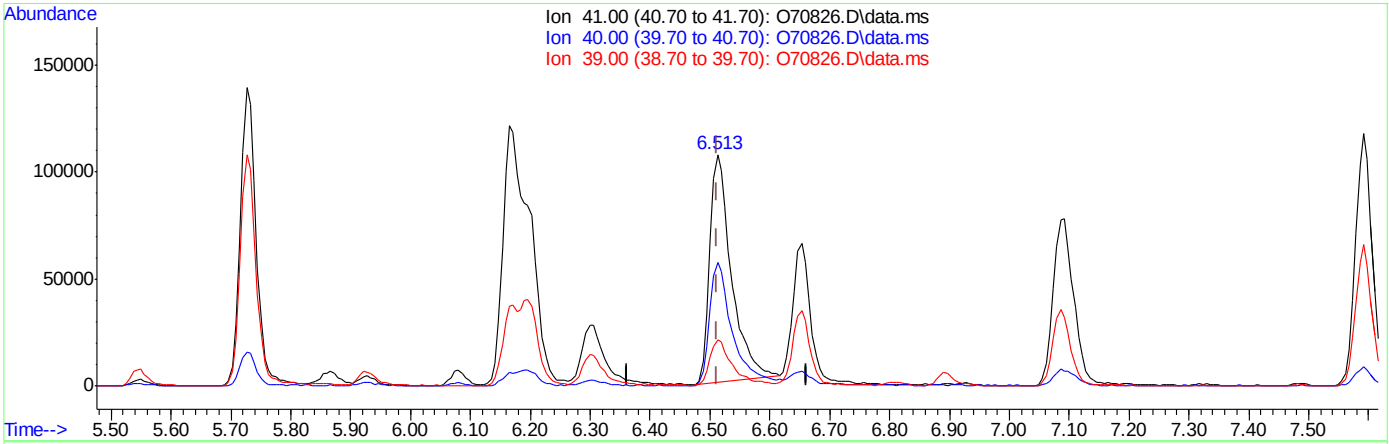
response 161251

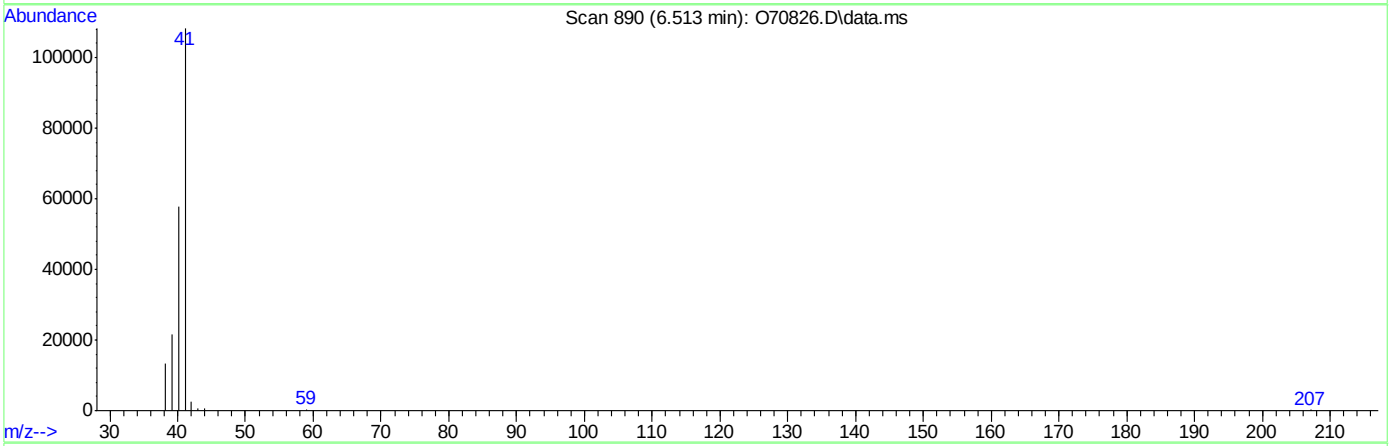
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	193.69
43.00	133.10	130.14
41.00	145.50	144.89

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 358.13ug/L

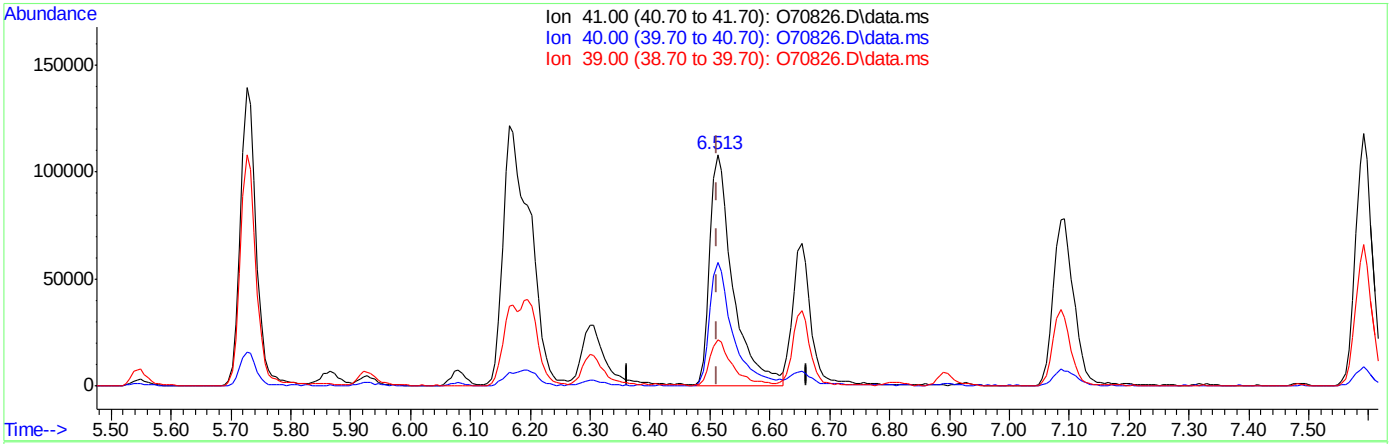
response 268659

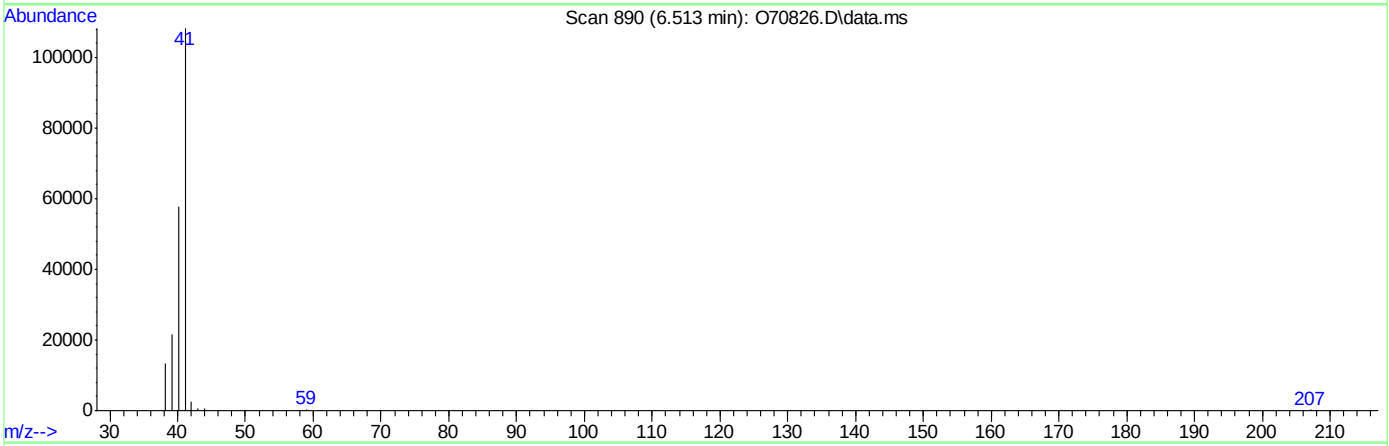
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	53.26
39.00	20.00	19.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 393.16ug/L m

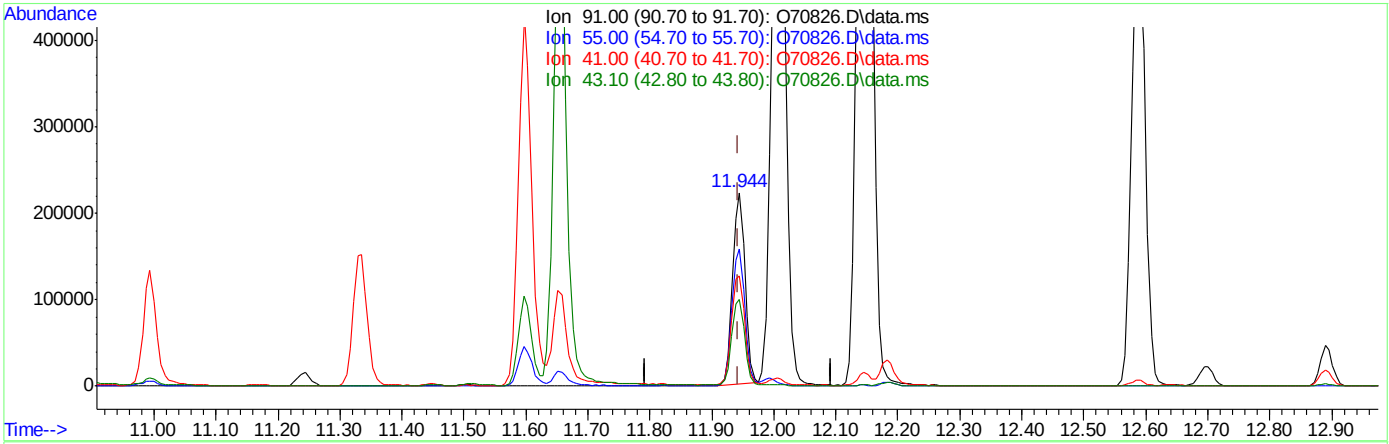
response 295019

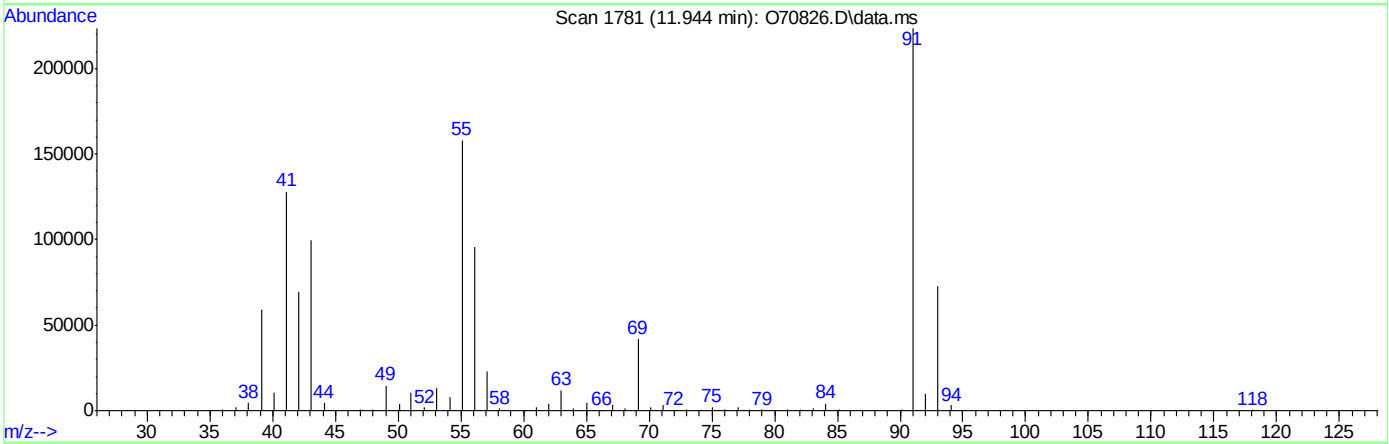
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	53.28
39.00	20.00	20.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 40.02ug/L

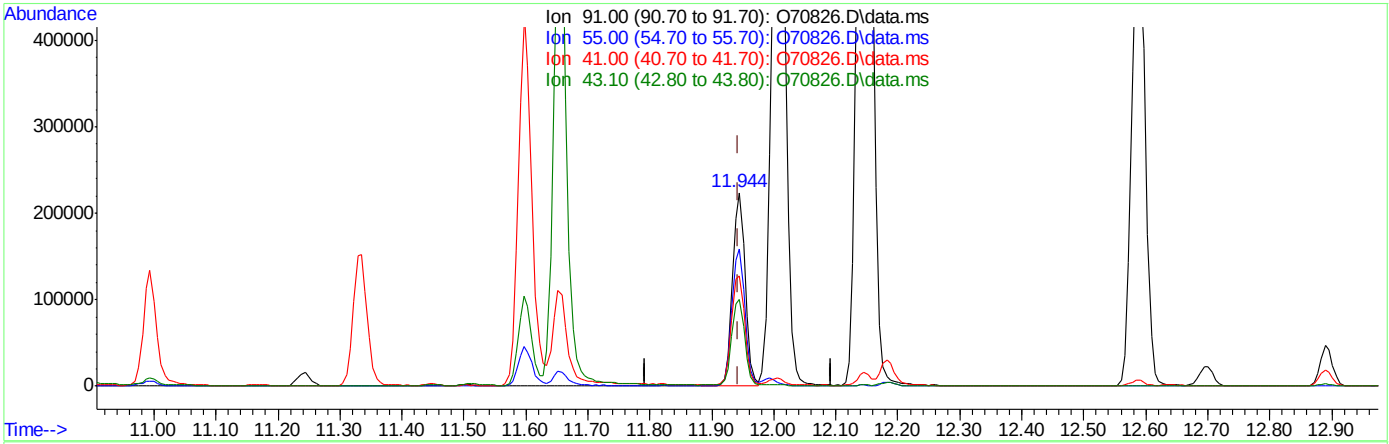
response 302608

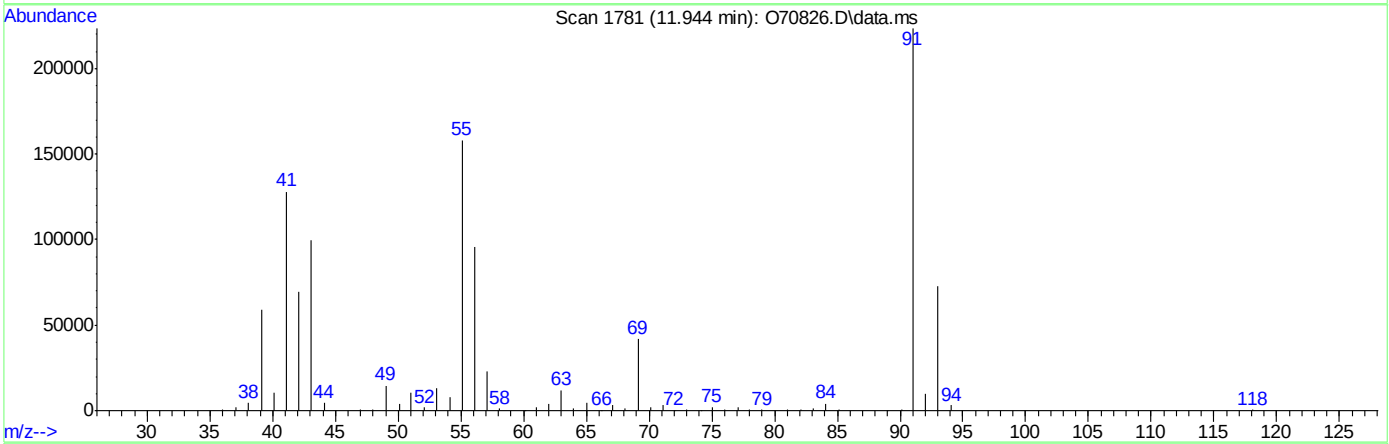
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.33
41.00	54.70	56.46
43.10	44.50	44.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 41.24ug/L m

response 311856

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.72
41.00	54.70	57.19
43.10	44.50	44.63

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:27:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1689030	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1301419	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	661423	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	459652	48.48	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.96%			
50) 1,2-Dichloroethane-d4	8.549	65	491735	50.41	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.82%			
63) Toluene-d8	10.427	98	1648656	55.01	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 110.02%			
86) 4-Bromofluorobenzene	13.207	174	534393	51.84	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.68%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	10455	1.32	ug/L	82
3) Chloromethane	3.196	50	9234	1.13	ug/L	97
4) 1,3-butadiene	3.379	39	8326	1.12	ug/L	81
5) Vinyl Chloride	3.343	62	9880	1.12	ug/L	95
6) Bromomethane	3.897	94	5247	1.53	ug/L	88
7) Chloroethane	4.111	64	5271	0.83	ug/L	93
8) Trichlorofluoromethane	4.336	101	14680	1.17	ug/L	99
9) Ethyl Ether	4.800	59	6510	1.02	ug/L	93
11) 1,2-Dichlorotrifluoroe...	5.074	67	8865	1.07	ug/L	93
12) 1,1-Dichloroethene	5.086	61	12002	1.04	ug/L	91
13) Freon 113	5.147	101	9809	1.26	ug/L	95
14) Carbon Disulfide	5.123	76	25337	1.33	ug/L	100
15) Iodomethane	5.281	142	1857	0.57	ug/L	77
16) Acrolein	5.562	56	5661	4.19	ug/L	92
17) Allyl chloride	5.732	41	7602	0.86	ug/L	93
18) Methylene Chloride	5.866	49	40785	3.55	ug/L	96
19) Acetone	5.940	43	13111	5.18	ug/L	91
20) Methyl acetate	6.086	43	27118	4.32	ug/L	95
21) trans-1,2-Dichloroethene	6.080	61	11934	1.05	ug/L	95
22) Hexane	6.165	56	5856m	1.32	ug/L	
23) Methyl Tert Butyl Ether	6.202	73	19330	0.93	ug/L	82
24) Tert Butyl Alcohol	6.299	59	7590	9.76	ug/L	95
25) Acetonitrile	6.531	41	9544m	10.46	ug/L	
26) Di-isopropyl ether	6.653	45	22750	1.00	ug/L	97
27) Chloroprene	6.811	53	1326	0.12	ug/L #	63
28) 1,1-Dichloroethane	6.836	63	14359	1.00	ug/L	93
29) Acrylonitrile	6.903	52	12000	4.94	ug/L	87
30) ETBE	7.086	59	21267	0.94	ug/L	94
31) Vinyl acetate	7.116	43	67719	4.24	ug/L	94
32) cis-1,2-Dichloroethene	7.470	96	9992	1.20	ug/L #	77
33) 2,2-Dichloropropane	7.592	77	11404	1.08	ug/L	97
34) Bromochloromethane	7.701	128	5364	1.15	ug/L	96
35) Cyclohexane	7.708	56	13063	1.08	ug/L	88
36) Chloroform	7.762	83	15912	1.09	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:27:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Ethyl acetate	7.878	43	35664	4.67	ug/L		98
38) Tetrahydrofuran	7.964	42	3332	1.36	ug/L		90
40) Carbon Tetrachloride	7.933	117	11838	1.04	ug/L		97
41) 1,1,1-Trichloroethane	8.006	97	13547	1.04	ug/L		98
42) 2-Butanone	8.110	43	15639	4.01	ug/L		99
43) 1,1-Dichloropropene	8.140	75	11750	1.08	ug/L		93
44) tert-Butyl formate	8.244	59	19450	4.70	ug/L		89
45) Propionitrile	8.433	54	9758	7.39	ug/L	#	76
46) Methacrylonitrile	8.451	41	50424	8.48	ug/L		90
47) Benzene	8.409	78	34206	1.09	ug/L		98
48) TAME	8.500	73	18794	0.88	ug/L		90
49) Isobutyl alcohol	8.573	43	4213	15.11	ug/L		81
51) 1,2-Dichloroethane	8.628	62	13351	1.11	ug/L		100
52) Tert Amyl Alcohol	8.677	59	4483	8.16	ug/L		89
53) Trichloroethene	9.018	95	10206	1.15	ug/L		93
54) Methylcyclohexane	9.012	83	11704	1.18	ug/L		95
55) Dibromomethane	9.463	93	5754	1.04	ug/L		87
56) 1,2-Dichloropropane	9.555	63	7677	0.98	ug/L		94
57) Bromodichloromethane	9.610	83	9748	1.00	ug/L		96
58) Methyl methacrylate	9.738	41	4689m	0.76	ug/L		
59) 1,4-Dioxane	9.829	88	1593	21.75	ug/L		62
60) 2-Chloroethyl vinyl ether	10.152	63	16173	3.31	ug/L		95
61) cis-1,3-Dichloropropene	10.244	75	10229	0.95	ug/L		100
64) Toluene	10.481	91	36309	1.25	ug/L		99
65) 2-Nitropropane	10.713	41	8454	5.23	ug/L	#	81
66) 4-Methyl-2-pentanone	10.835	43	33243	4.91	ug/L		97
67) trans-1,3-Dichloropropene	10.890	75	8293	0.94	ug/L		83
68) Tetrachloroethene	10.884	166	10824	1.27	ug/L		91
69) Ethyl methacrylate	11.006	69	5842	0.76	ug/L		91
70) 1,1,2-Trichloroethane	11.055	83	6257	1.20	ug/L		90
71) Dibromochloromethane	11.243	129	7647	1.09	ug/L		97
72) 1,3-Dichloropropane	11.335	76	13741	1.28	ug/L		97
73) 1,2-Dibromoethane	11.512	107	8019	1.19	ug/L		93
74) 3,3-dimethyl-1-butanol	11.603	57	18455	35.98	ug/L		95
75) 2-hexanone	11.664	43	20062	4.19	ug/L		92
76) 1-Chlorohexane	11.945	91	8547m	1.15	ug/L		
77) Ethylbenzene	12.012	91	41805	1.28	ug/L		94
78) Chlorobenzene	12.012	112	24954	1.28	ug/L		93
79) 1,1,1,2-Tetrachloroethane	12.060	131	7367	1.10	ug/L		86
80) m,p-Xylene	12.152	91	58342	2.38	ug/L		97
81) o-Xylene	12.591	91	28466	1.23	ug/L		95
82) Styrene	12.652	104	16782	0.99	ug/L		94
83) Bromoform	12.701	173	4034	1.03	ug/L		95
84) Isopropylbenzene	12.896	105	32954	1.15	ug/L		96
87) cis-1,4-Dichloro-2-butene	13.261	53	1861	0.87	ug/L	#	70
88) n-Propylbenzene	13.316	91	40265	1.33	ug/L		99
89) Bromobenzene	13.335	156	10885	1.39	ug/L		98
90) 1,1,2,2-Tetrachloroethane	13.377	83	9707	1.20	ug/L		94
91) 1,3,5-Trimethylbenzene	13.493	105	26129	1.21	ug/L		90
92) 2-Chlorotoluene	13.676	91	24584	1.28	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:27:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

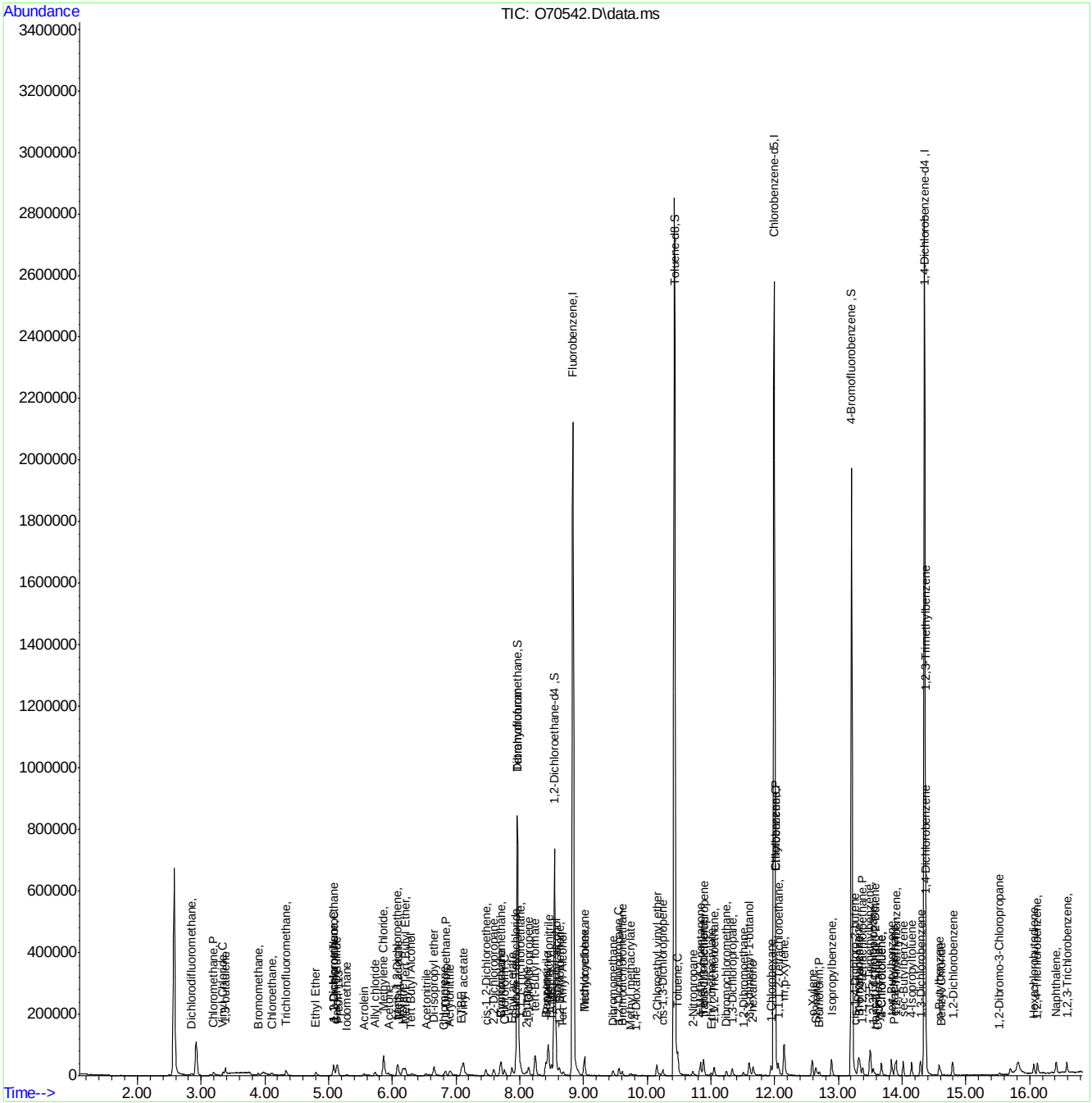
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) trans-1,4-Dichloro-2-B...	13.572	53	1694	0.84	ug/L	#	74
94) 1,2,3-Trichloropropane	13.548	110	2938	1.10	ug/L		93
95) Cyclohexanone	13.621	55	1374m	7.31	ug/L		
96) 4-Chlorotoluene	13.676	91	24584	1.28	ug/L		96
97) tert-Butylbenzene	13.834	91	15656	1.35	ug/L		95
99) 1,2,4-Trimethylbenzene	13.908	105	25715	1.23	ug/L		91
100) Pentachloroethane	13.883	167	3581	0.93	ug/L	#	84
101) sec-Butylbenzene	14.017	105	29181	1.27	ug/L		98
102) 4-Isopropyltoluene	14.151	119	24315	1.20	ug/L		98
103) 1,3-Dichlorobenzene	14.292	146	18830	1.39	ug/L		95
104) 1,2,3-Trimethylbenzene	14.365	105	29843	1.35	ug/L	#	82
105) 1,4-Dichlorobenzene	14.371	146	22935	1.58	ug/L		85
106) n-Butylbenzene	14.578	92	12143	1.23	ug/L		94
107) Benzyl Chloride	14.609	126	1942	0.83	ug/L	#	75
108) 1,2-Dichlorobenzene	14.798	146	17078	1.31	ug/L		97
109) 1,2-Dibromo-3-Chloropr...	15.529	75	1433	1.15	ug/L	#	72
110) Hexachlorobutadiene	16.066	225	4561	1.65	ug/L		87
111) 1,2,4-Trichlorobenzene	16.121	180	10421	1.36	ug/L		89
112) Naphthalene	16.419	128	30119	1.54	ug/L		99
113) 1,2,3-Trichlorobenzene	16.590	180	10470	1.38	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:27:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

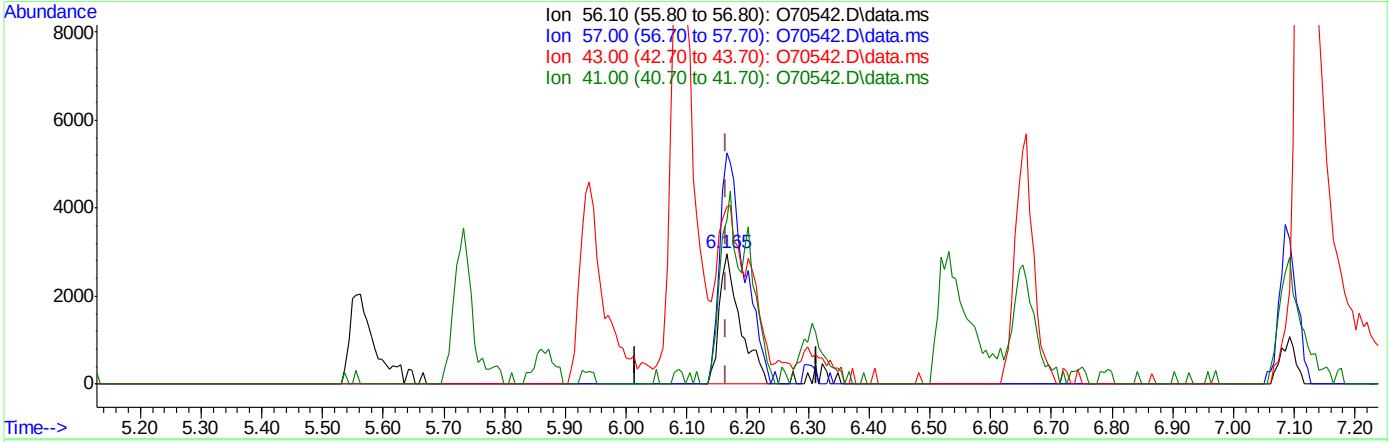
Sample Number: VO2796-IC2796
Lab FileID: O70542.D
Injection Time: 08/23/22 12:41
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

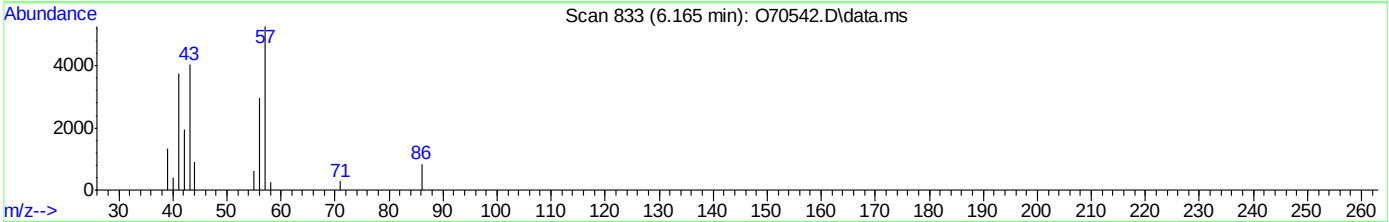
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.53	Poor instrument integration
Methyl Methacrylate	80-62-6		9.74	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration
Cyclohexanone	108-94-1		13.62	Poor instrument integration

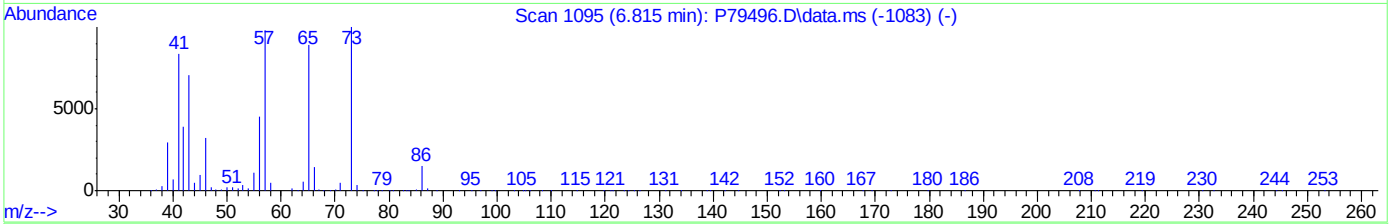
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(22) Hexane

6.165min (+0.000) 1.60ug/L

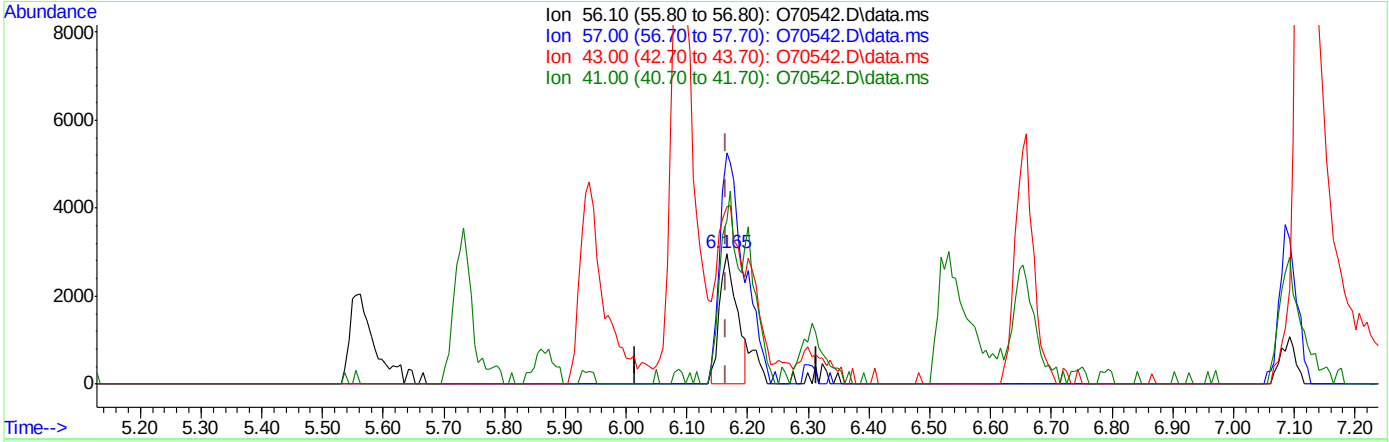
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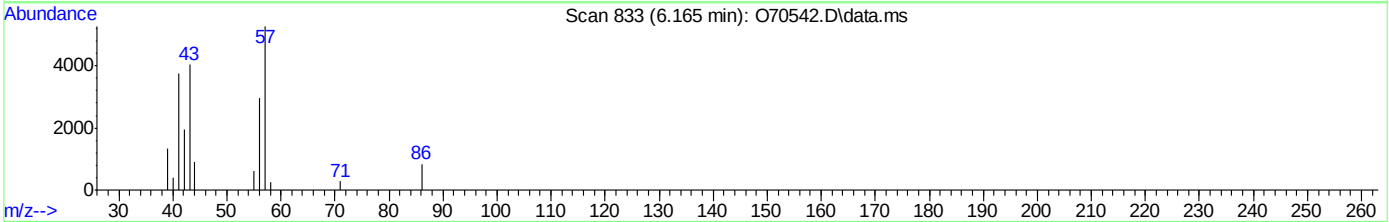
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	177.04#
43.00	139.80	121.21
41.00	146.00	125.71#

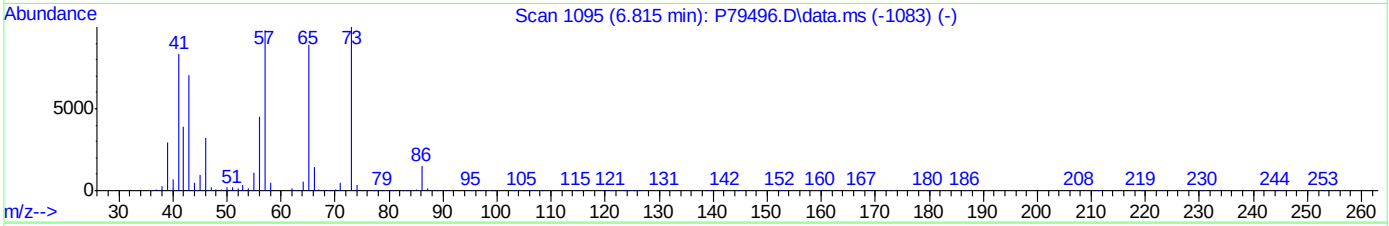
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(22) Hexane

6.165min (+0.000) 1.32ug/L m

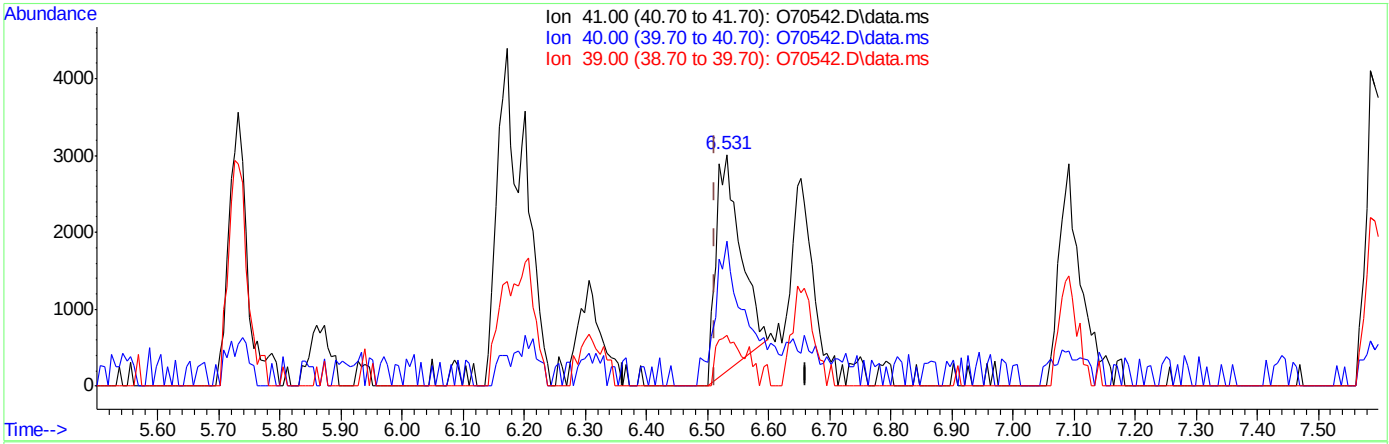
response 5856

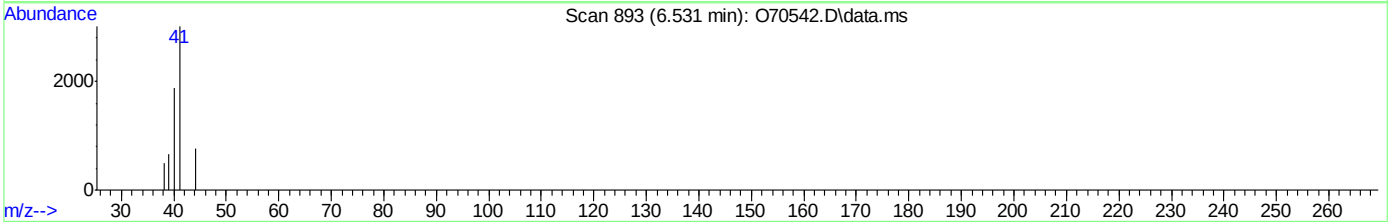
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	177.04#
43.00	139.80	135.70
41.00	146.00	125.71#

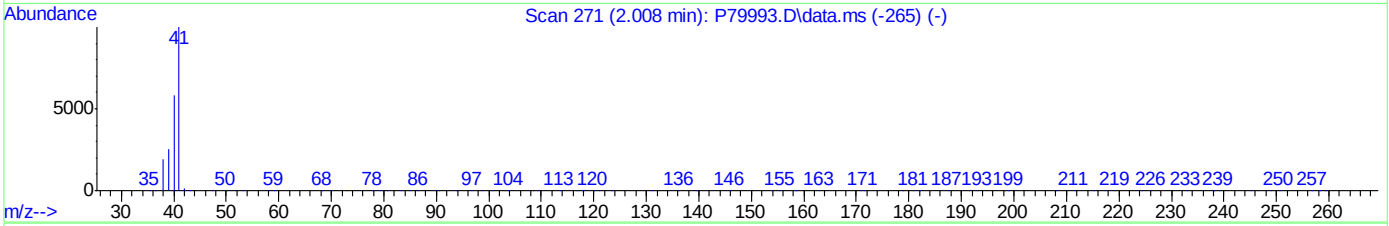
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(25) Acetonitrile

6.531min (+0.019) 8.77ug/L

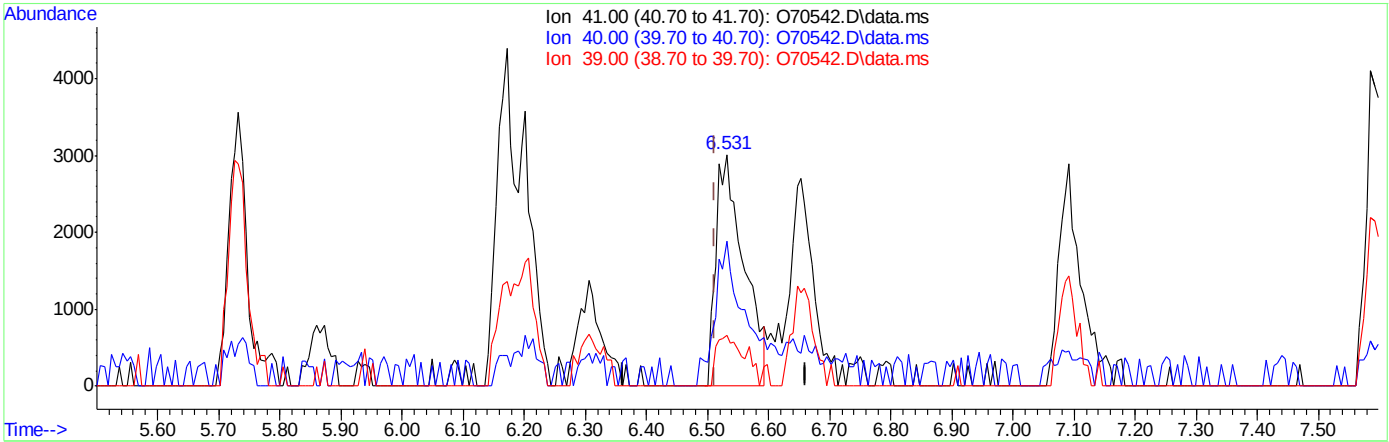
response 8007

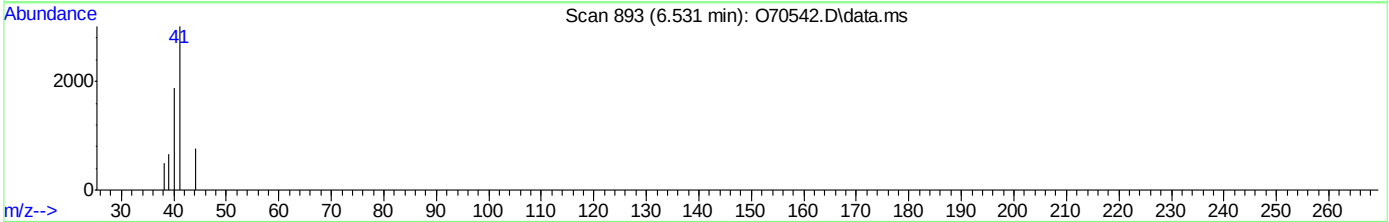
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	52.17
39.00	19.60	21.77
0.00	0.00	0.00

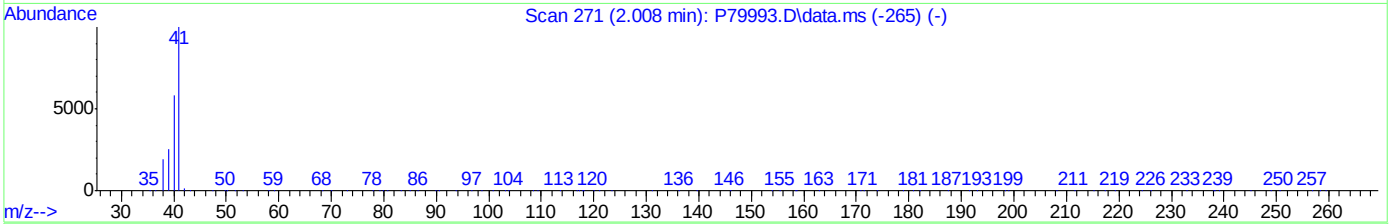
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(25) Acetonitrile

6.531min (+0.019) 10.46ug/L m

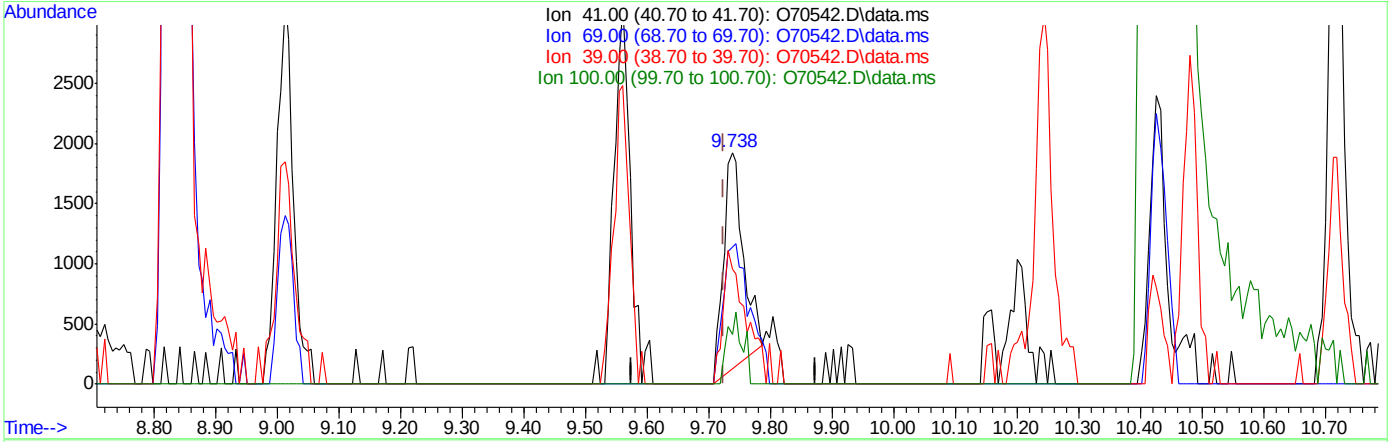
response 9544

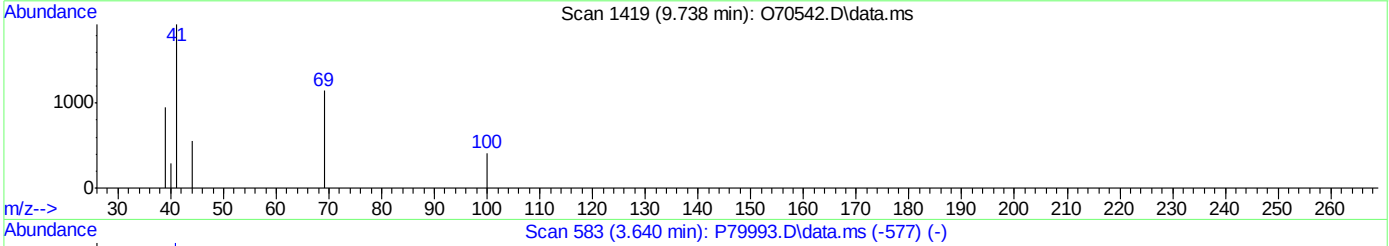
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	62.60
39.00	19.60	21.77
0.00	0.00	0.00

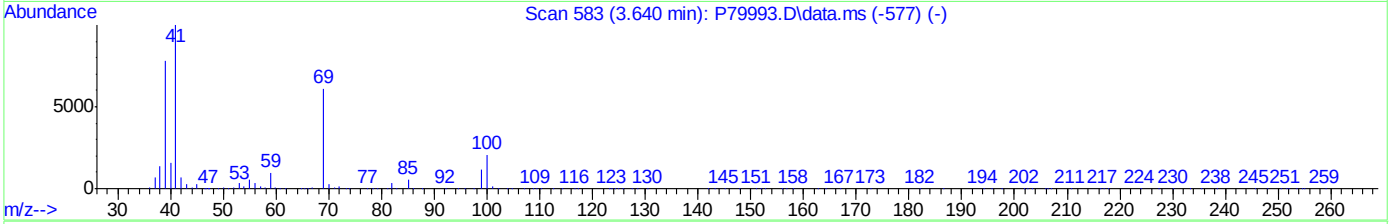
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(58) Methyl methacrylate

9.738min (+0.013) 0.66ug/L

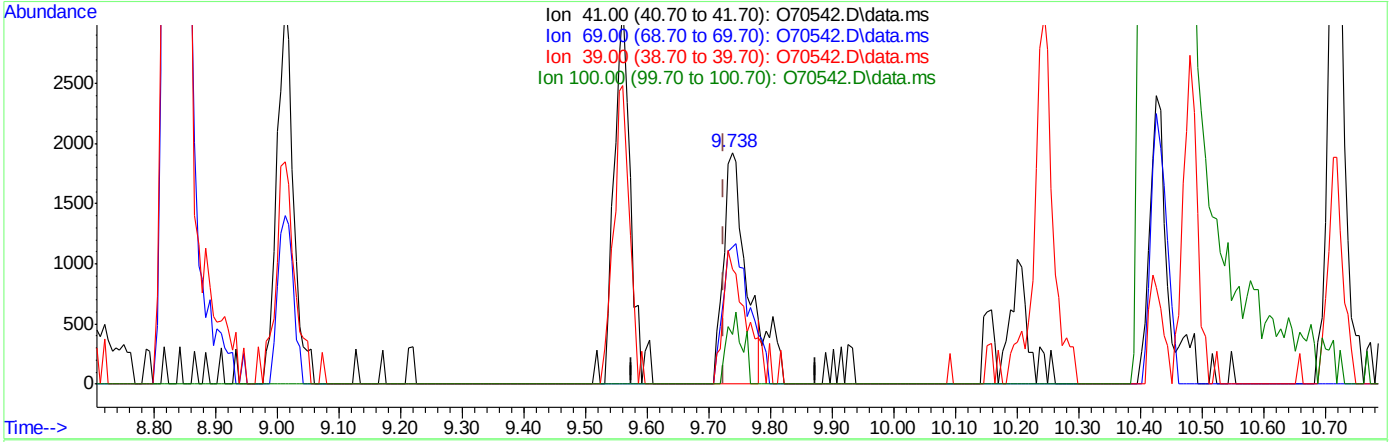
response 4051

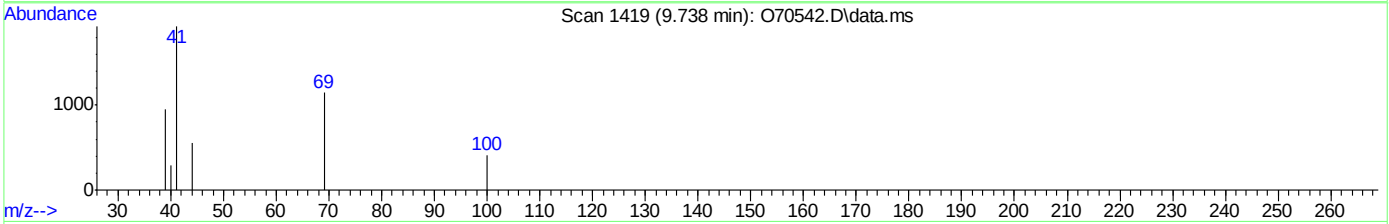
Ion	Exp%	Act%
41.00	100	100
69.00	78.10	59.38
39.00	58.80	49.30
100.00	31.20	21.56

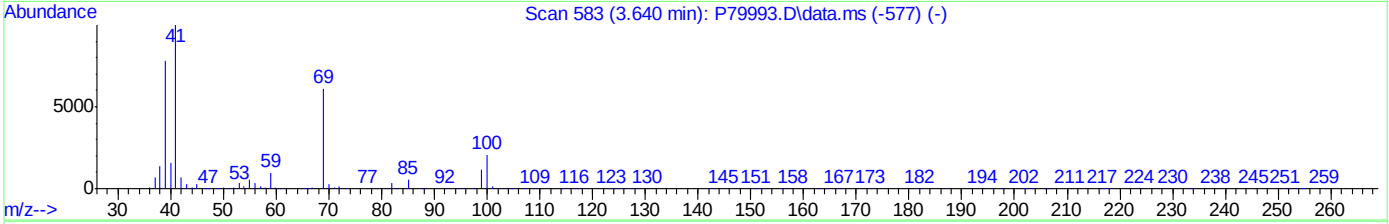
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(58) Methyl methacrylate

9.738min (+0.013) 0.76ug/L m

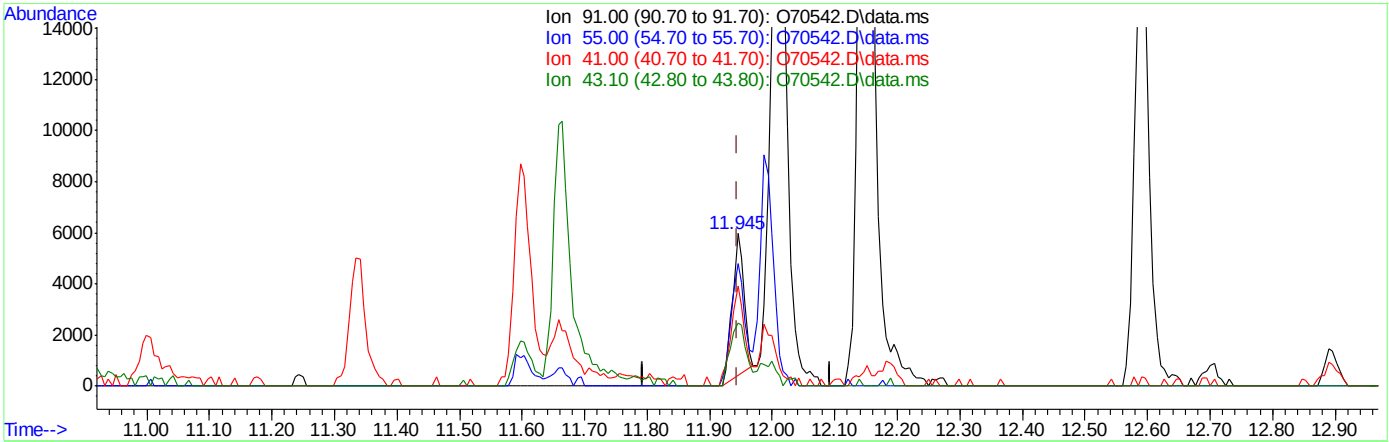
response 4689

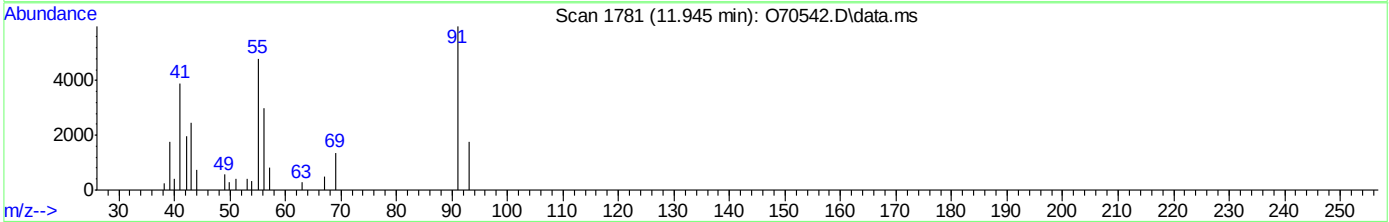
Ion	Exp%	Act%
41.00	100	100
69.00	78.10	59.38
39.00	58.80	49.30
100.00	31.20	21.56

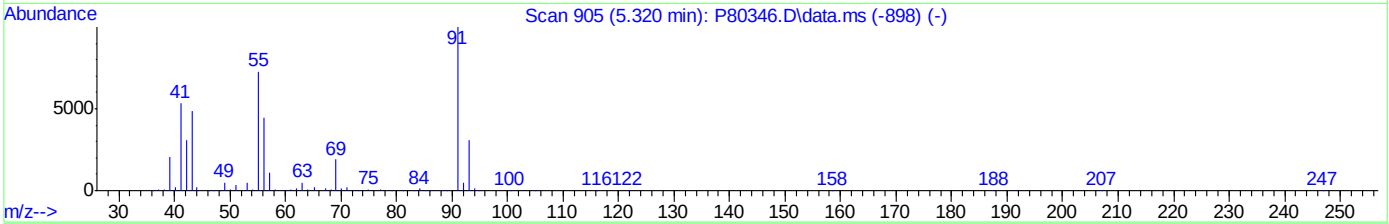
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(76) 1-Chlorohexane

11.945min (+0.001) 0.99ug/L

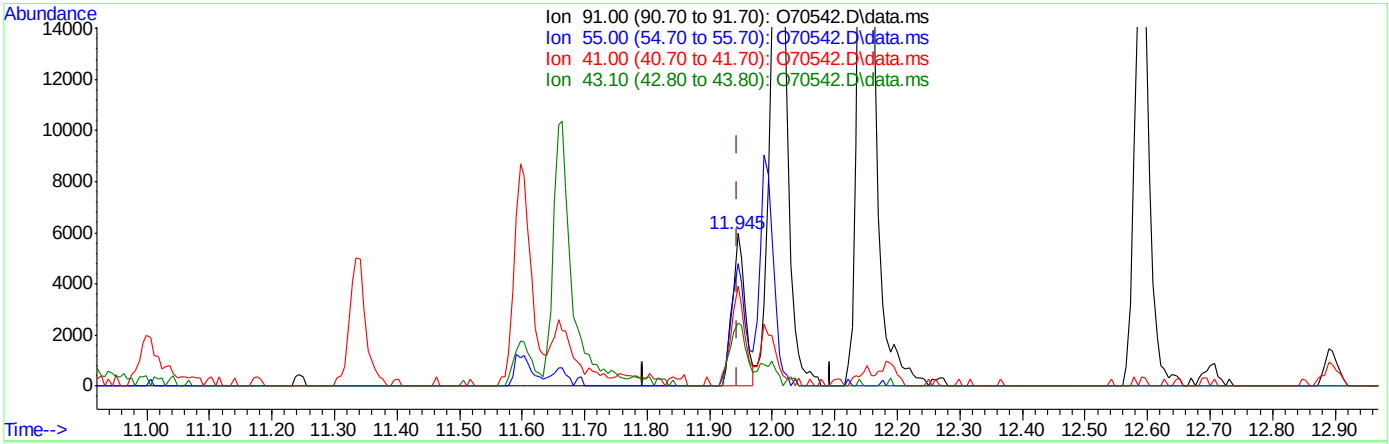
response 7363

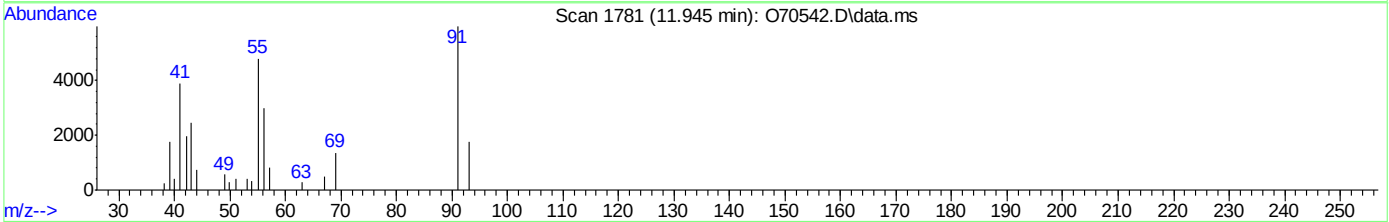
Ion	Exp%	Act%
91.00	100	100
55.00	71.00	74.72
41.00	56.50	57.28
43.10	44.30	41.32

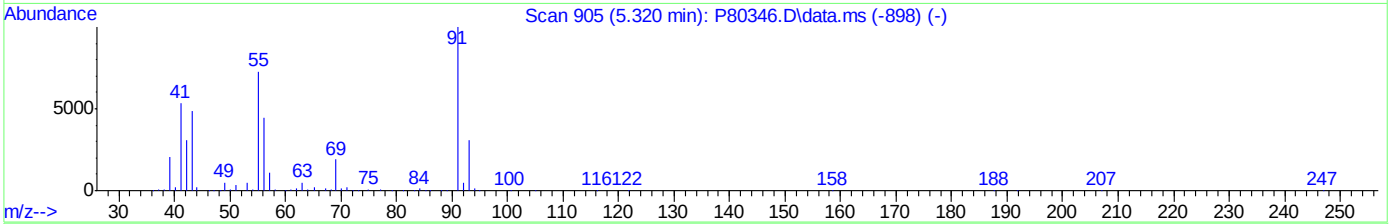
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(76) 1-Chlorohexane

11.945min (+0.001) 1.15ug/L m

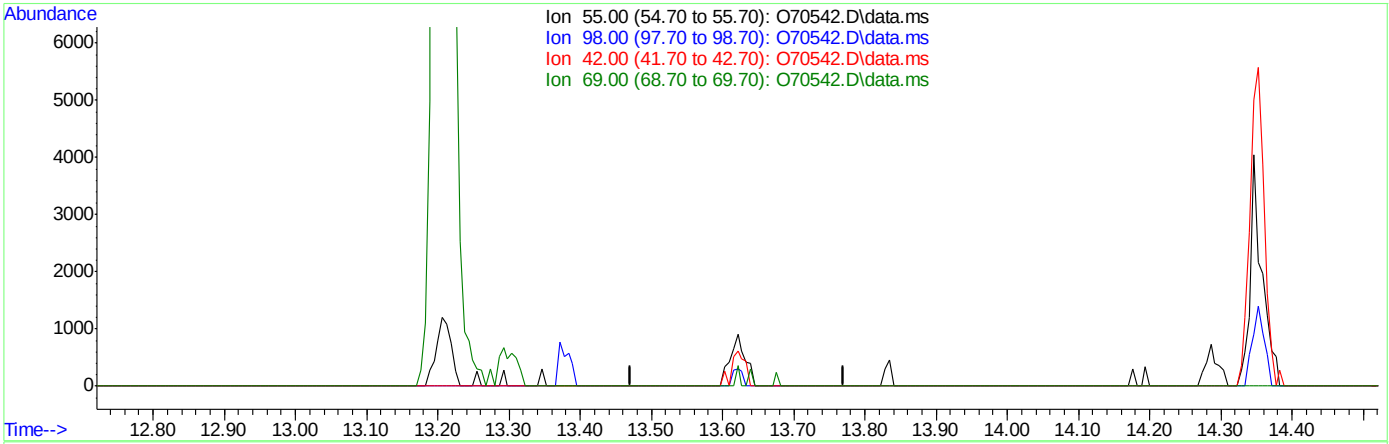
response 8547

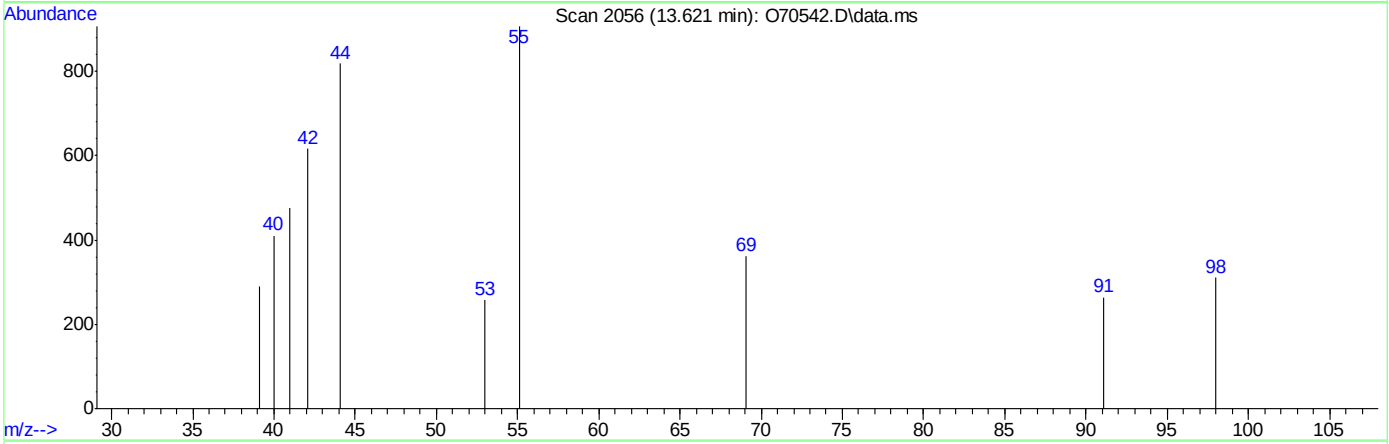
Ion	Exp%	Act%
91.00	100	100
55.00	71.00	80.33
41.00	56.50	65.32
43.10	44.30	41.32

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:25:50 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70542.D\data.ms

(95) Cyclohexanone

13.621min (-13.621) 0.00ug/L

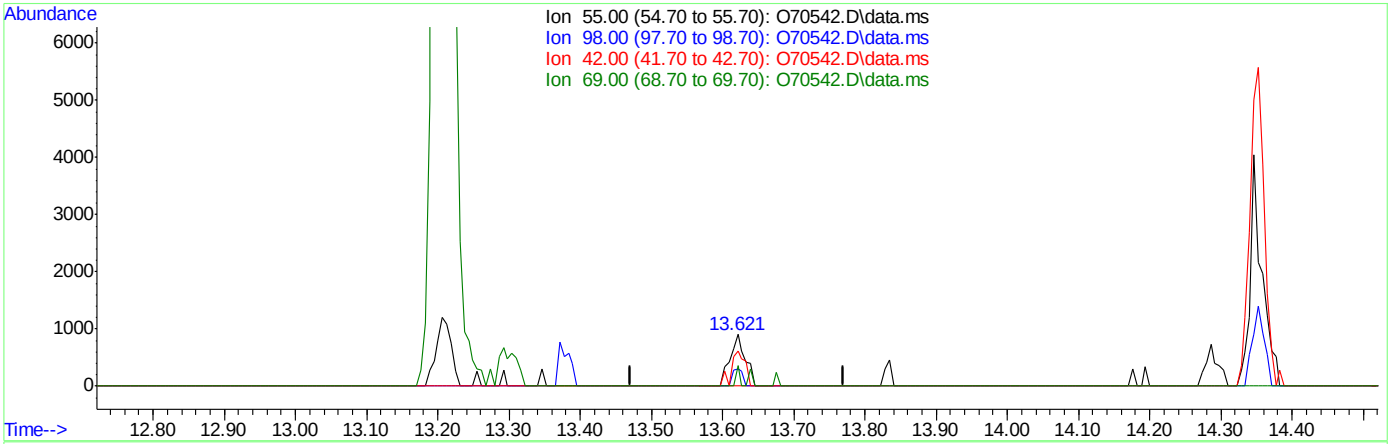
response 0

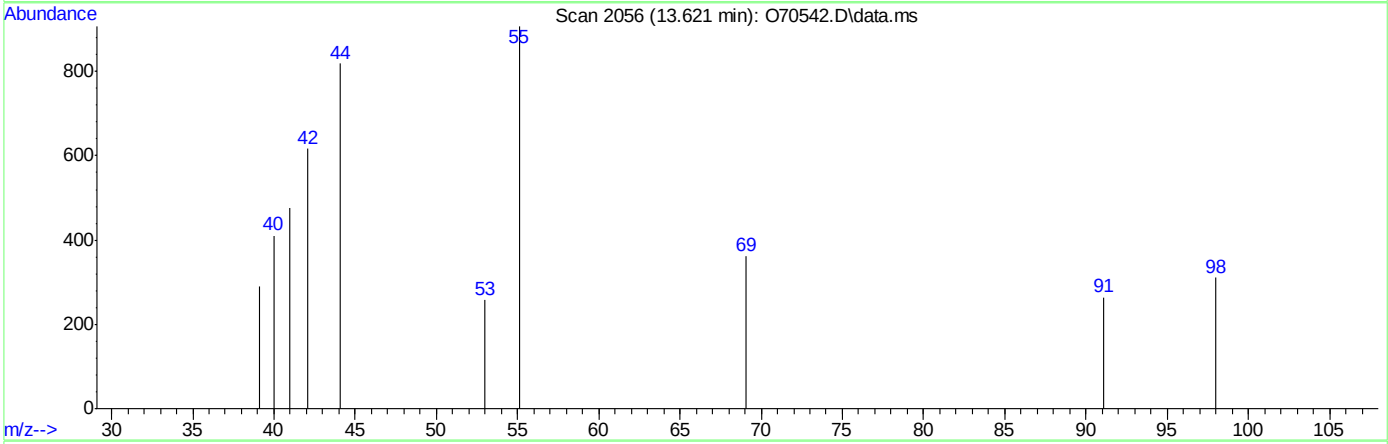
Ion	Exp%	Act%
55.00	100	0.00
98.00	42.80	0.00#
42.00	71.10	0.00#
69.00	31.80	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:25:50 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70542.D\data.ms

(95) Cyclohexanone

13.621min (+0.000) 7.31ug/L m

response 1374

Ion	Exp%	Act%
55.00	100	100
98.00	42.80	34.29
42.00	71.10	67.92
69.00	31.80	39.91

Manual Integrations APPROVED
(compounds with "m" flag)
Lindsay Ritner
08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:11:23 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1711744	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1320799	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	676861	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	476179	49.56	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.12%			
50) 1,2-Dichloroethane-d4	8.549	65	508579	51.45	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.90%			
63) Toluene-d8	10.426	98	1677560	55.15	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 110.30%			
86) 4-Bromofluorobenzene	13.206	174	545459	51.71	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.42%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.843	85	41217	5.12	ug/L	98
3) Chloromethane	3.196	50	41641	5.05	ug/L	98
4) 1,3-butadiene	3.379	39	47755	6.33	ug/L	98
5) Vinyl Chloride	3.342	62	46502	5.18	ug/L	99
6) Bromomethane	3.897	94	21056	6.01	ug/L	94
7) Chloroethane	4.105	64	29274	4.64	ug/L	97
8) Trichlorofluoromethane	4.330	101	68964	5.42	ug/L	98
9) Ethyl Ether	4.800	59	24212	3.76	ug/L	98
10) Ethanol	5.025	45	7777m	139.01	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	31500	3.76	ug/L	96
12) 1,1-Dichloroethene	5.080	61	42764	3.65	ug/L	99
13) Freon 113	5.141	101	30558	3.86	ug/L	96
14) Carbon Disulfide	5.129	76	78681	4.06	ug/L	94
15) Iodomethane	5.281	142	9544	2.83	ug/L	92
16) Acrolein	5.549	56	37447	27.32	ug/L	96
17) Allyl chloride	5.726	41	51869	5.77	ug/L	98
18) Methylene Chloride	5.866	49	66604	5.73	ug/L	98
19) Acetone	5.927	43	60790	23.68	ug/L	97
20) Methyl acetate	6.080	43	114846	18.06	ug/L	97
21) trans-1,2-Dichloroethene	6.074	61	43224	3.76	ug/L	98
22) Hexane	6.171	56	16752m	3.73	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	77564	3.70	ug/L	98
24) Tert Butyl Alcohol	6.305	59	29380	37.28	ug/L	91
25) Acetonitrile	6.519	41	60880m	65.82	ug/L	
26) Di-isopropyl ether	6.653	45	91118	3.95	ug/L	99
27) Chloroprene	6.805	53	11522	1.07	ug/L	91
28) 1,1-Dichloroethane	6.836	63	55048	3.78	ug/L	98
29) Acrylonitrile	6.897	52	48943	19.88	ug/L	98
30) ETBE	7.092	59	86103	3.76	ug/L	99
31) Vinyl acetate	7.110	43	273489	16.90	ug/L	98
32) cis-1,2-Dichloroethene	7.470	96	33364	3.95	ug/L	97
33) 2,2-Dichloropropane	7.592	77	40432	3.78	ug/L	98
34) Bromochloromethane	7.695	128	18787	3.98	ug/L	99
35) Cyclohexane	7.707	56	46692	3.80	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:11:23 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	58872	3.99	ug/L	92
37) Ethyl acetate	7.872	43	150976	19.52	ug/L	100
38) Tetrahydrofuran	7.957	42	11465	4.59	ug/L	92
40) Carbon Tetrachloride	7.933	117	41470	3.60	ug/L	95
41) 1,1,1-Trichloroethane	8.006	97	50463	3.81	ug/L	98
42) 2-Butanone	8.098	43	90082	22.80	ug/L	99
43) 1,1-Dichloropropene	8.140	75	41085	3.74	ug/L	96
44) tert-Butyl formate	8.244	59	119394	28.01	ug/L	95
45) Propionitrile	8.427	54	73414	54.88	ug/L	89
46) Methacrylonitrile	8.445	41	331552	55.05	ug/L	98
47) Benzene	8.409	78	120800	3.81	ug/L	98
48) TAME	8.494	73	75587	3.47	ug/L	94
49) Isobutyl alcohol	8.567	43	28375	99.64	ug/L	89
51) 1,2-Dichloroethane	8.622	62	49810	4.09	ug/L	97
52) Tert Amyl Alcohol	8.683	59	18427	33.09	ug/L	95
53) Trichloroethene	9.018	95	32943	3.66	ug/L	96
54) Methylcyclohexane	9.012	83	38601	3.85	ug/L	98
55) Dibromomethane	9.463	93	20611	3.68	ug/L	96
56) 1,2-Dichloropropane	9.555	63	29821	3.76	ug/L	91
57) Bromodichloromethane	9.603	83	36292	3.67	ug/L	97
58) Methyl methacrylate	9.725	41	31791	5.05	ug/L	94
59) 1,4-Dioxane	9.811	88	6268	84.46	ug/L	83
60) 2-Chloroethyl vinyl ether	10.146	63	123962	24.75	ug/L	97
61) cis-1,3-Dichloropropene	10.244	75	40193	3.68	ug/L	98
64) Toluene	10.481	91	131317	4.46	ug/L	99
65) 2-Nitropropane	10.713	41	34790	21.21	ug/L	89
66) 4-Methyl-2-pentanone	10.829	43	185256	26.87	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	35278	3.93	ug/L	88
68) Tetrachloroethene	10.884	166	39452	4.58	ug/L	96
69) Ethyl methacrylate	10.993	69	47012	5.95	ug/L	98
70) 1,1,2-Trichloroethane	11.048	83	24080	4.54	ug/L	97
71) Dibromochloromethane	11.243	129	30794	4.32	ug/L	95
72) 1,3-Dichloropropane	11.335	76	49617	4.56	ug/L	97
73) 1,2-Dibromoethane	11.506	107	29093	4.27	ug/L	95
74) 3,3-dimethyl-1-butanol	11.597	57	120899	228.56	ug/L	99
75) 2-hexanone	11.658	43	124010	25.53	ug/L	97
76) 1-Chlorohexane	11.944	91	34952m	4.62	ug/L	
77) Ethylbenzene	12.012	91	148857	4.48	ug/L	98
78) Chlorobenzene	12.012	112	89481	4.53	ug/L	97
79) 1,1,1,2-Tetrachloroethane	12.060	131	29738	4.38	ug/L	95
80) m,p-Xylene	12.146	91	221813	8.90	ug/L	98
81) o-Xylene	12.591	91	106347	4.51	ug/L	98
82) Styrene	12.646	104	65776	3.83	ug/L	98
83) Bromoform	12.700	173	16934	4.22	ug/L	94
84) Isopropylbenzene	12.895	105	127787	4.40	ug/L	97
87) cis-1,4-Dichloro-2-butene	13.255	53	13405	6.13	ug/L	96
88) n-Propylbenzene	13.316	91	149409	4.84	ug/L	98
89) Bromobenzene	13.334	156	39217	4.90	ug/L	97
90) 1,1,2,2-Tetrachloroethane	13.383	83	39776	4.81	ug/L	98
91) 1,3,5-Trimethylbenzene	13.493	105	105826	4.78	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:11:23 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

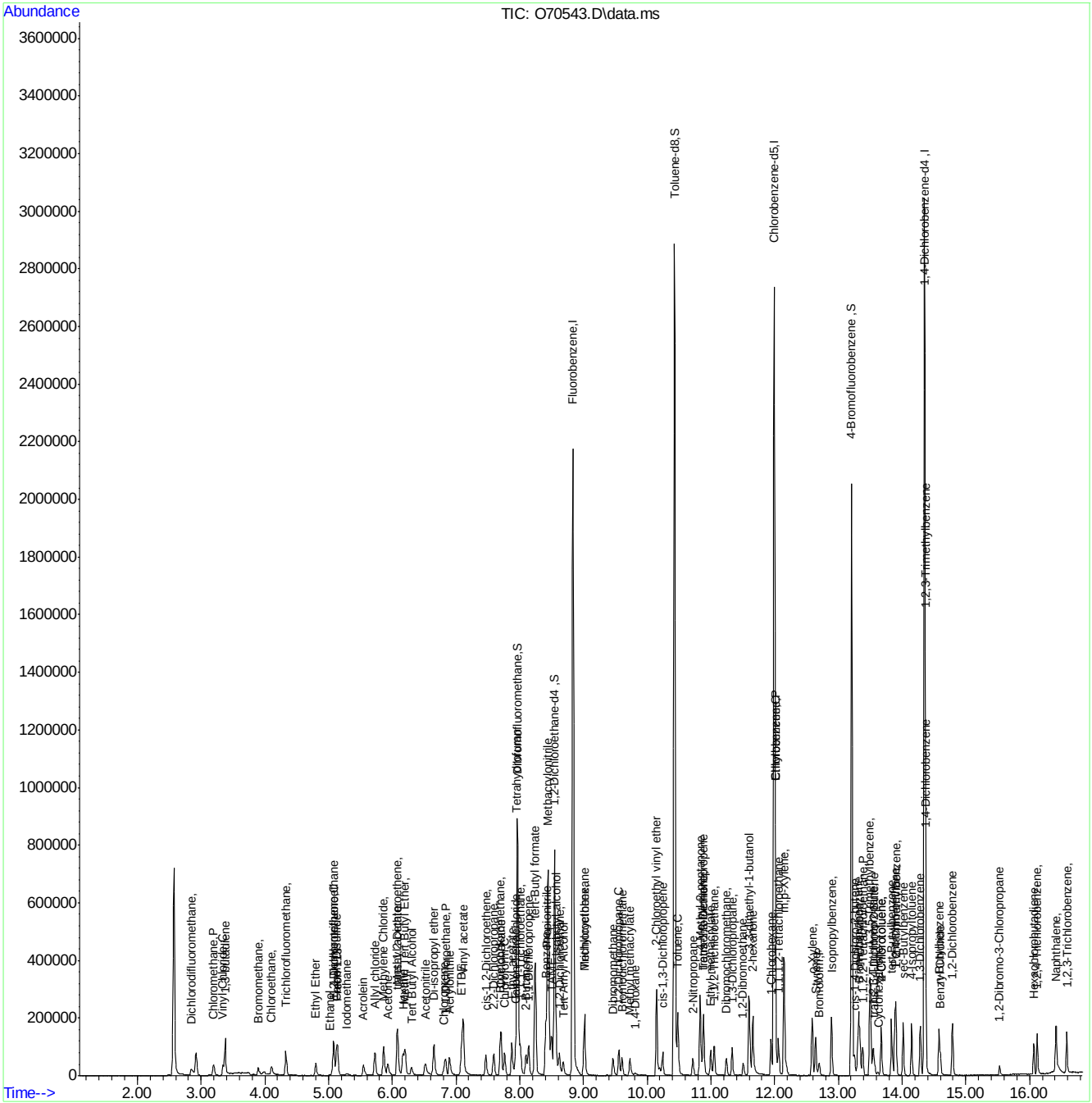
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	93709	4.78	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.566	53	9309	4.52	ug/L		86
94) 1,2,3-Trichloropropane	13.542	110	13045	4.77	ug/L		97
95) Cyclohexanone	13.627	55	4541	23.59	ug/L		95
96) 4-Chlorotoluene	13.670	91	93709	4.78	ug/L		99
97) tert-Butylbenzene	13.834	91	56098	4.74	ug/L		98
99) 1,2,4-Trimethylbenzene	13.907	105	102093	4.76	ug/L		92
100) Pentachloroethane	13.889	167	27167	6.88	ug/L		95
101) sec-Butylbenzene	14.017	105	115351	4.89	ug/L		97
102) 4-Isopropyltoluene	14.151	119	96059	4.63	ug/L		99
103) 1,3-Dichlorobenzene	14.285	146	68432	4.95	ug/L		98
104) 1,2,3-Trimethylbenzene	14.365	105	110628	4.89	ug/L		94
105) 1,4-Dichlorobenzene	14.371	146	73038	4.90	ug/L		94
106) n-Butylbenzene	14.578	92	46924	4.64	ug/L		96
107) Benzyl Chloride	14.602	126	9201	3.85	ug/L	#	88
108) 1,2-Dichlorobenzene	14.791	146	66537	5.00	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	15.529	75	5482	4.30	ug/L		94
110) Hexachlorobutadiene	16.066	225	15669	5.56	ug/L		96
111) 1,2,4-Trichlorobenzene	16.120	180	38023	4.85	ug/L		97
112) Naphthalene	16.419	128	107727	5.34	ug/L		97
113) 1,2,3-Trichlorobenzene	16.584	180	38937	5.00	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:11:23 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

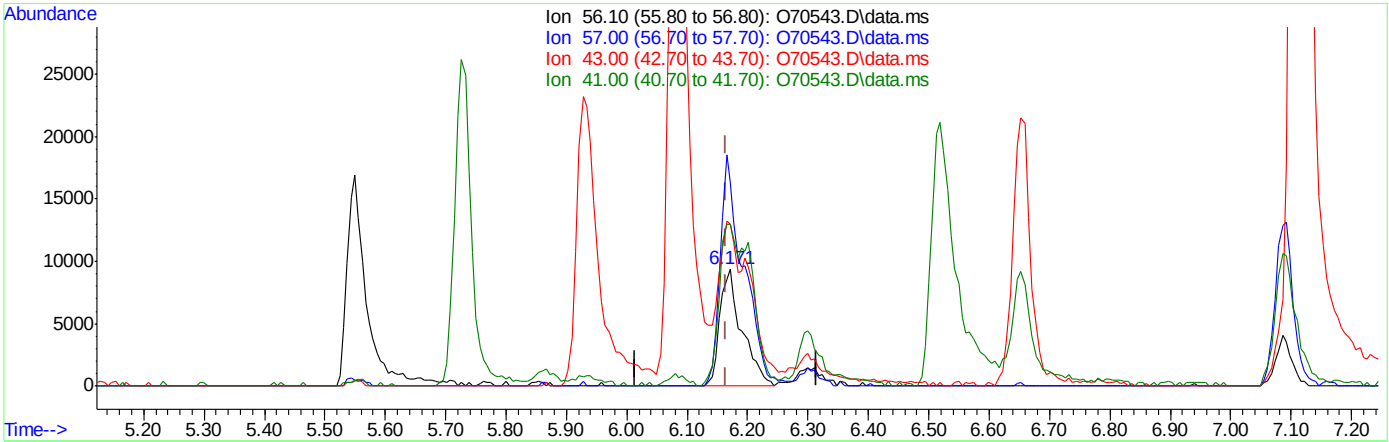
Sample Number: VO2796-IC2796
Lab FileID: O70543.D
Injection Time: 08/23/22 13:05
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

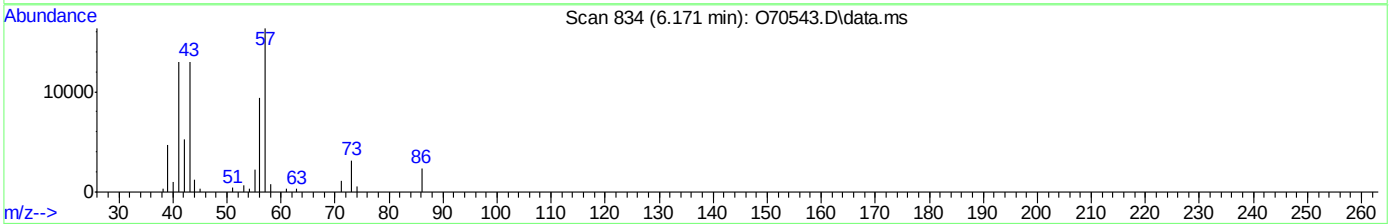
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.03	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.52	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

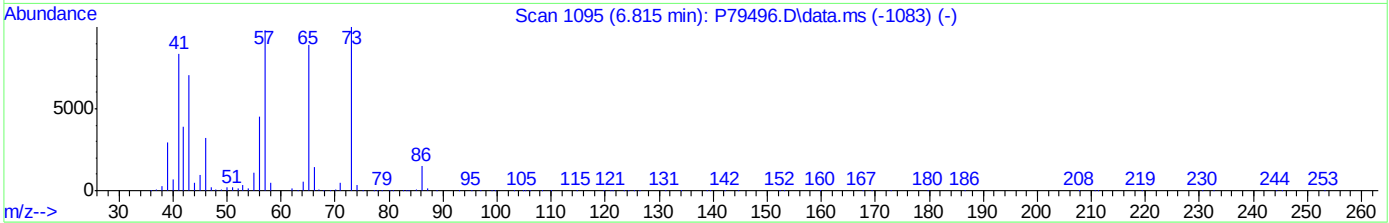
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(22) Hexane

6.171min (+0.006) 5.31ug/L

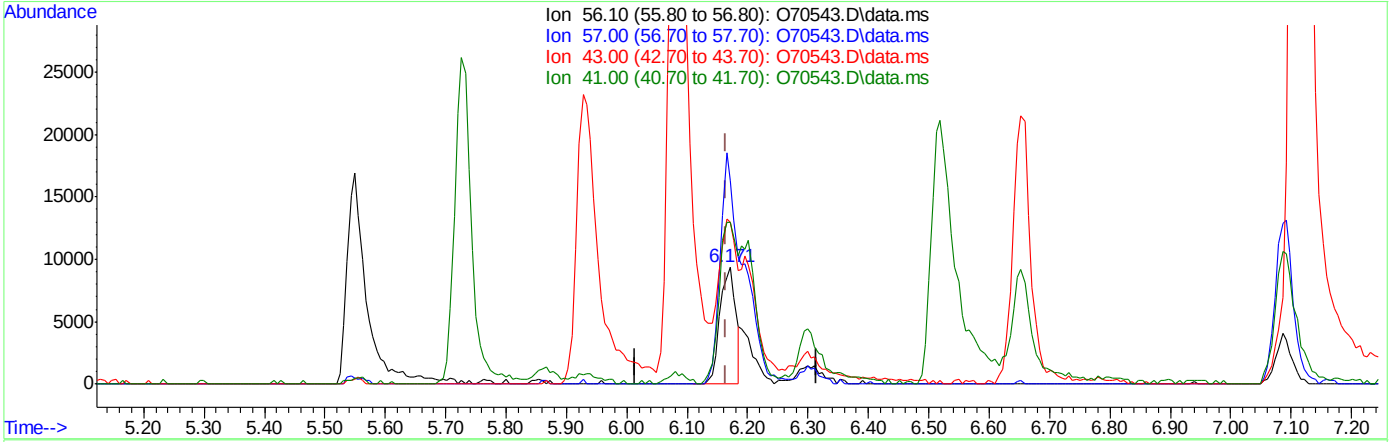
response 23836

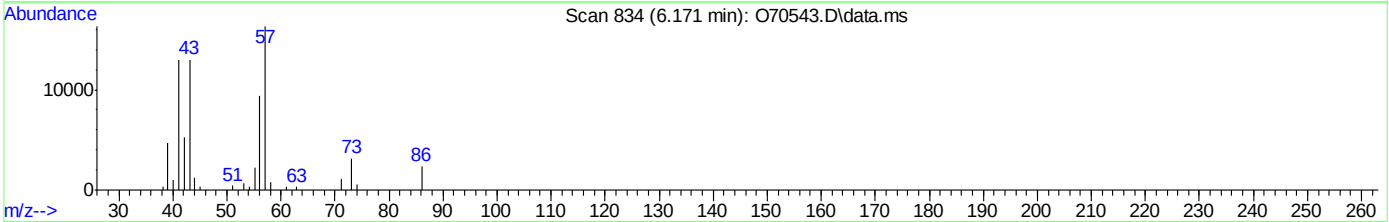
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	173.69#
43.00	139.80	121.69
41.00	146.00	138.17

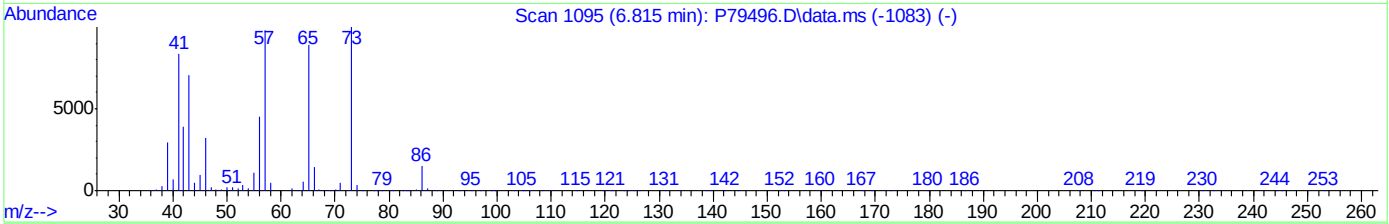
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(22) Hexane

6.171min (+0.006) 3.73ug/L m

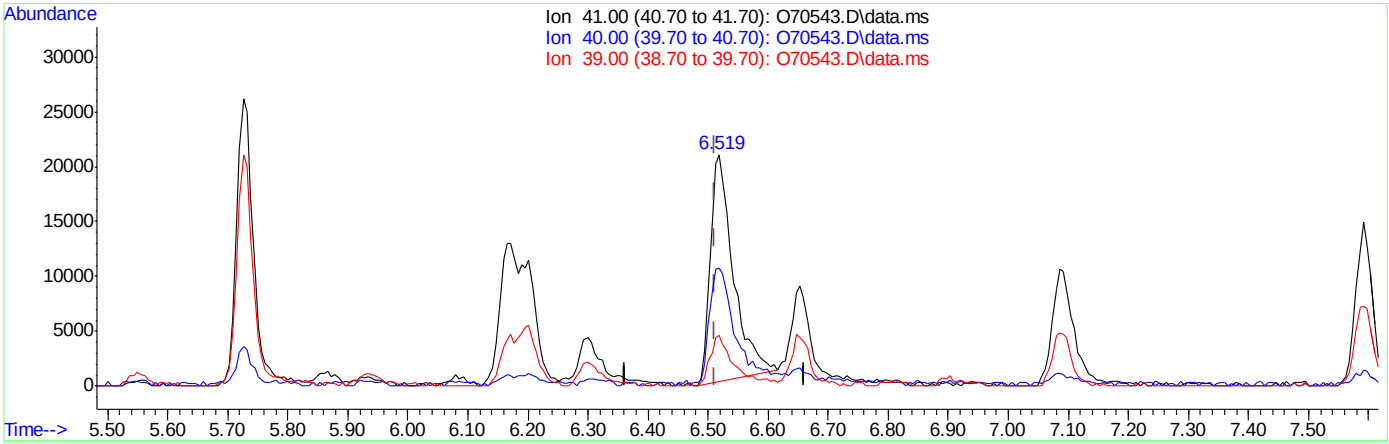
response 16752

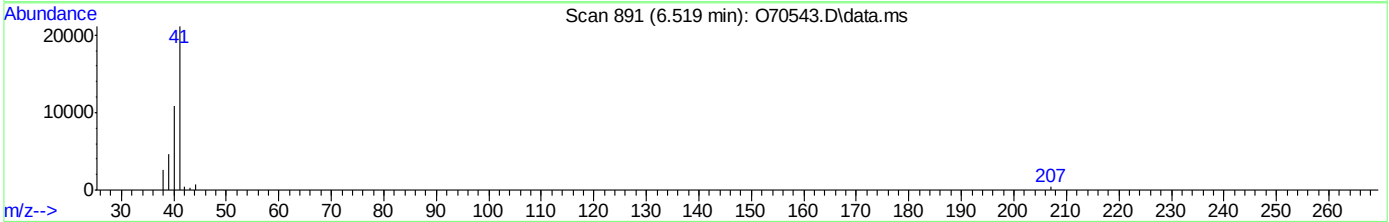
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	173.69#
43.00	139.80	138.40
41.00	146.00	138.17

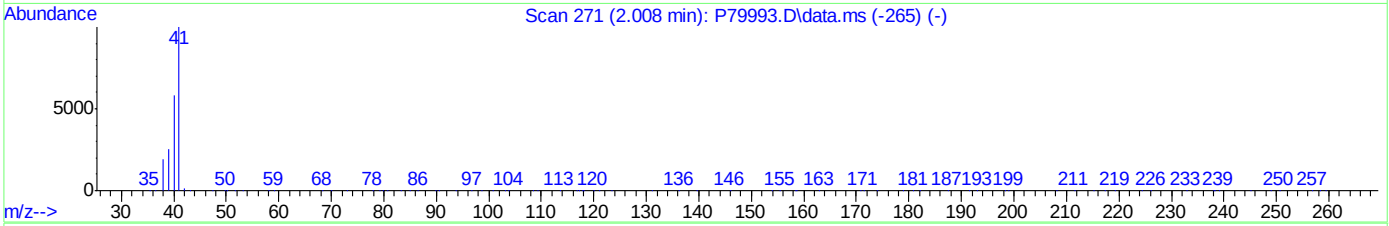
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 59.43ug/L

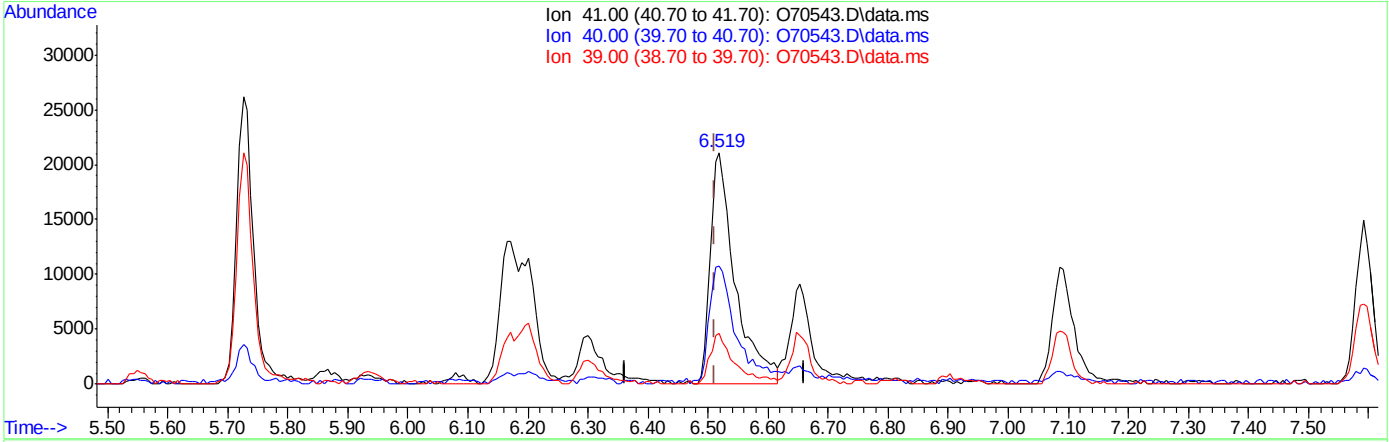
response 54972

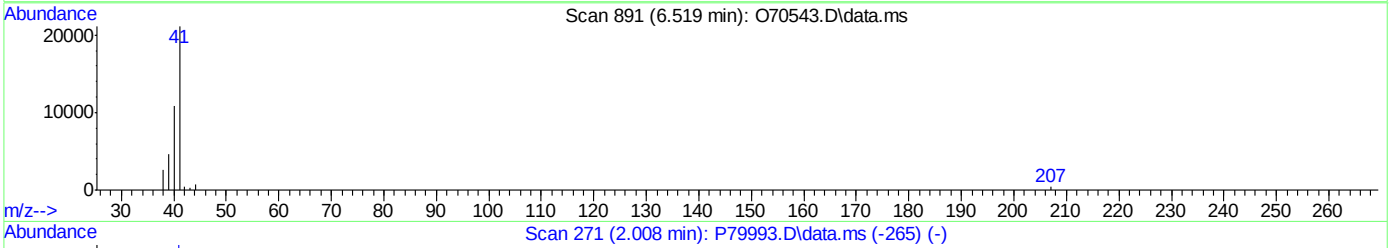
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	49.61
39.00	19.60	22.10
0.00	0.00	0.00

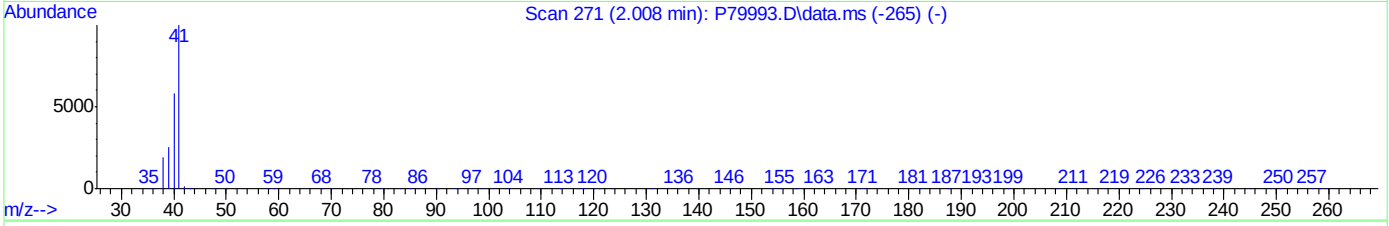
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 65.82ug/L m

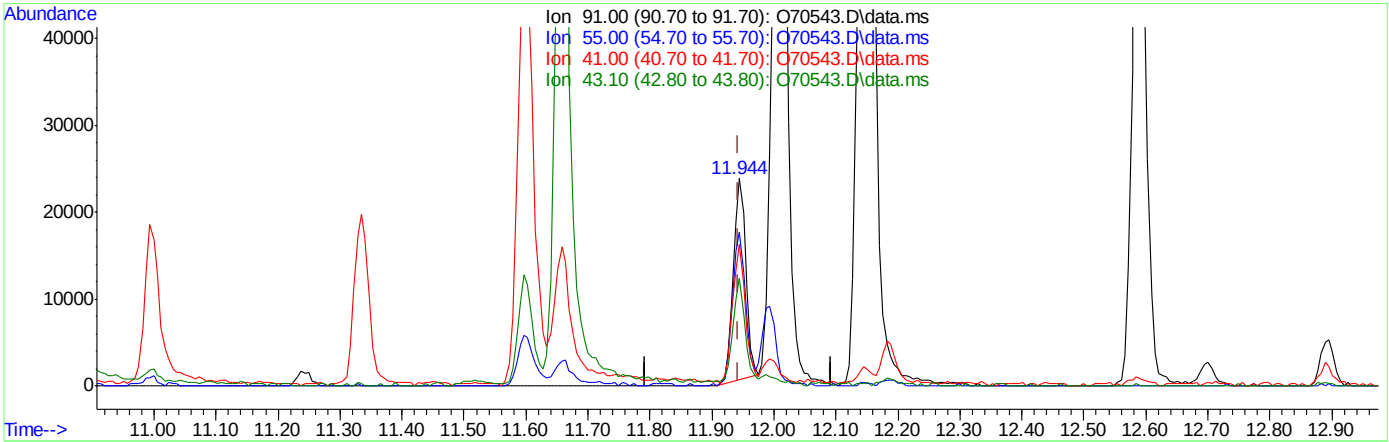
response 60880

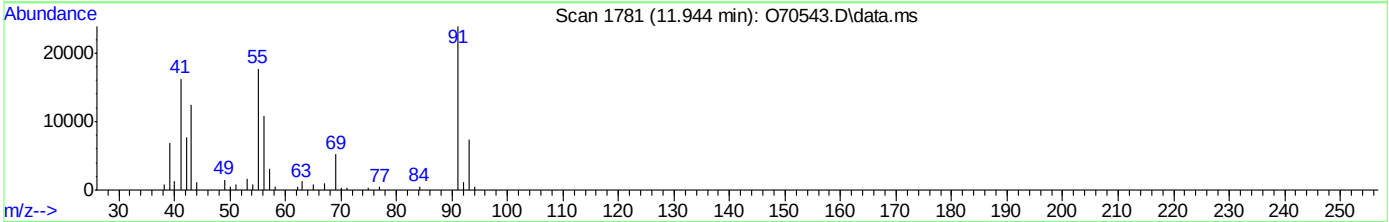
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	51.20
39.00	19.60	22.10
0.00	0.00	0.00

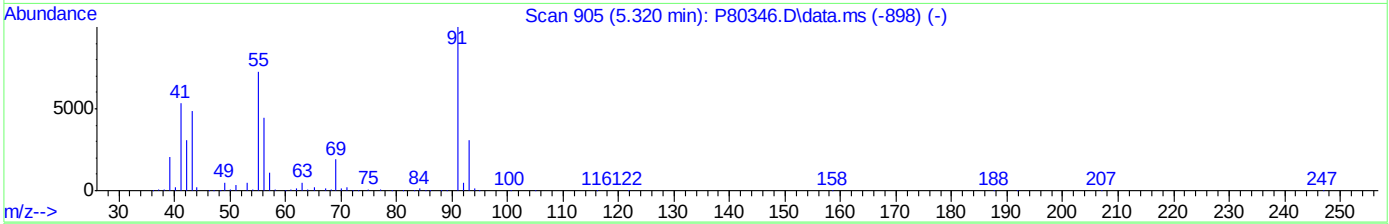
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 4.27ug/L

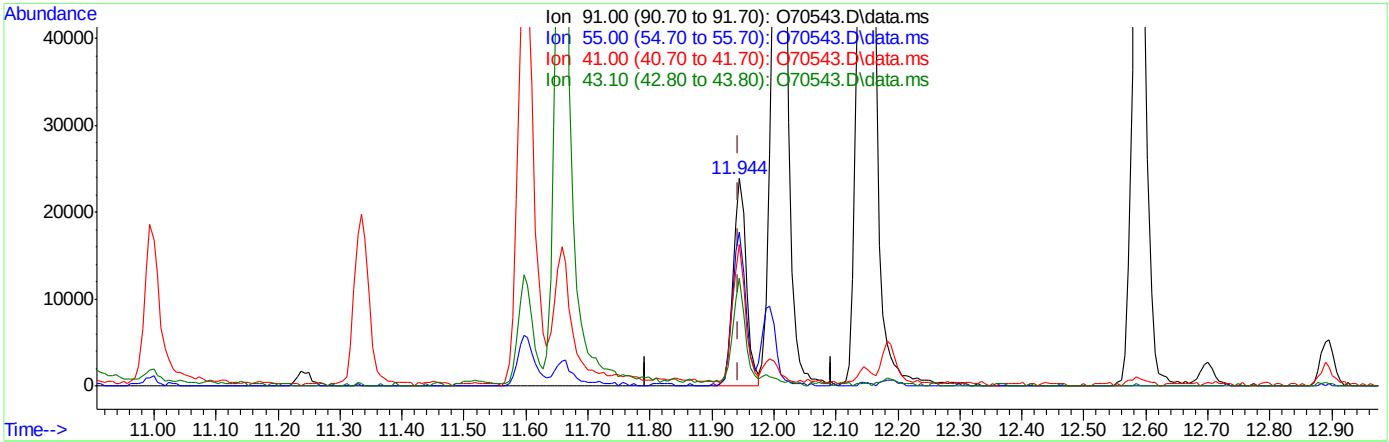
response 32323

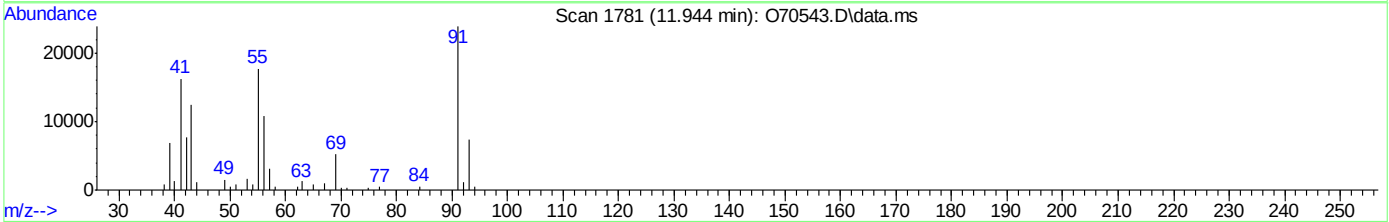
Ion	Exp%	Act%
91.00	100	100
55.00	71.00	74.29
41.00	56.50	65.14
43.10	44.30	49.36

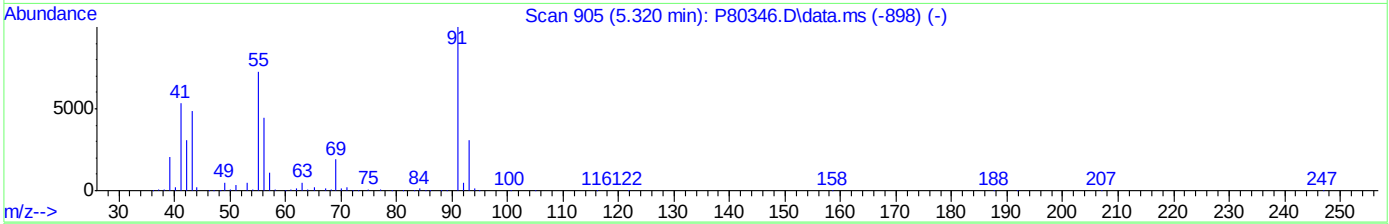
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 4.62ug/L m

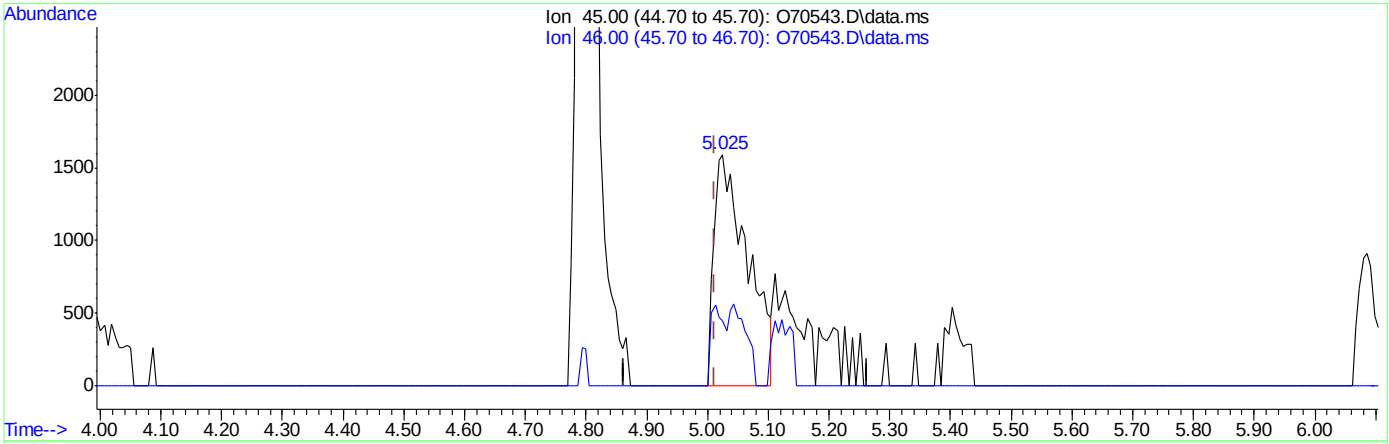
response 34952

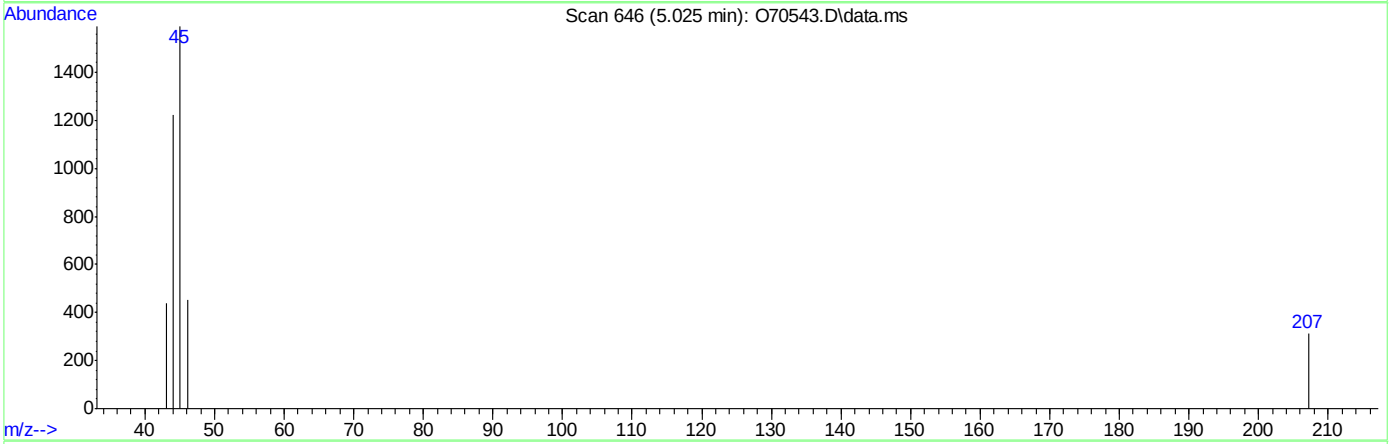
Ion	Exp%	Act%
91.00	100	100
55.00	71.00	74.29
41.00	56.50	68.15
43.10	44.30	51.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:07:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70543.D\data.ms

(10) Ethanol

5.025min (+0.012) 109.19ug/L

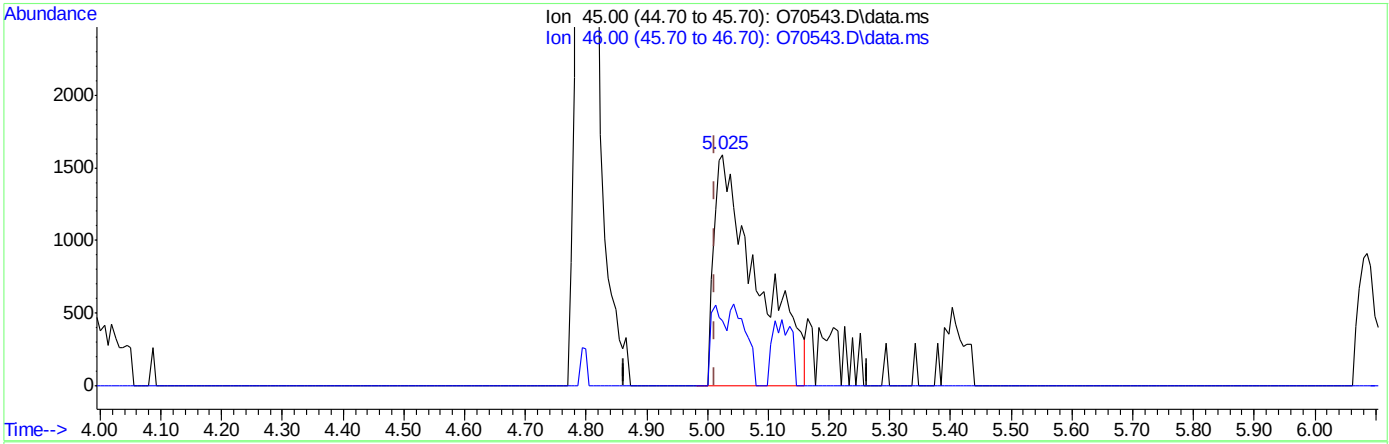
response 6109

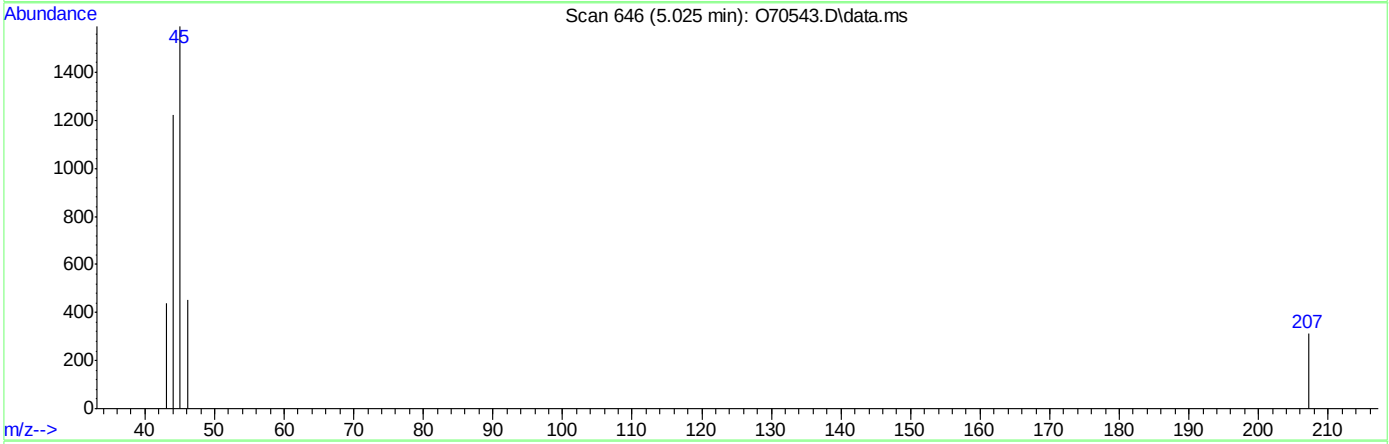
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	28.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:07:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70543.D\data.ms

(10) Ethanol

5.025min (+0.012) 139.01ug/L m

response 7777

Ion	Exp%	Act%
45.00	100	100
46.00	42.90	28.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 16:10:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1732924	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1356839	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	702377	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	488694	50.24	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.48%			
50) 1,2-Dichloroethane-d4	8.549	65	529069	52.86	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 105.72%			
63) Toluene-d8	10.427	98	1715525	54.90	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 109.80%			
86) 4-Bromofluorobenzene	13.207	174	569024	51.98	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	63602	7.81	ug/L	99
3) Chloromethane	3.202	50	71826	8.60	ug/L	98
4) 1,3-butadiene	3.379	39	53190	6.97	ug/L	95
5) Vinyl Chloride	3.349	62	81674	8.98	ug/L	96
6) Bromomethane	3.897	94	42399	11.83	ug/L	92
7) Chloroethane	4.111	64	52300	8.30	ug/L	99
8) Trichlorofluoromethane	4.336	101	118984	9.23	ug/L	98
9) Ethyl Ether	4.800	59	56040	8.60	ug/L	94
10) Ethanol	5.019	45	9944m	175.57	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	65938	7.78	ug/L	97
12) 1,1-Dichloroethene	5.086	61	93694	7.89	ug/L	98
13) Freon 113	5.147	101	60934	7.61	ug/L	93
14) Carbon Disulfide	5.129	76	168961	8.55	ug/L	100
15) Iodomethane	5.293	142	22953	6.48	ug/L	96
16) Acrolein	5.549	56	71643	51.62	ug/L	99
17) Allyl chloride	5.732	41	62155	6.82	ug/L	98
18) Methylene Chloride	5.866	49	103767	8.81	ug/L	97
19) Acetone	5.927	43	121447	46.72	ug/L	98
20) Methyl acetate	6.080	43	263584	40.93	ug/L	100
21) trans-1,2-Dichloroethene	6.080	61	93769	8.05	ug/L	99
22) Hexane	6.171	56	38177m	8.40	ug/L	
23) Methyl Tert Butyl Ether	6.202	73	175435	8.27	ug/L	97
24) Tert Butyl Alcohol	6.299	59	63939	80.14	ug/L	99
25) Acetonitrile	6.519	41	69750m	74.49	ug/L	
26) Di-isopropyl ether	6.653	45	199355	8.53	ug/L	97
27) Chloroprene	6.811	53	13543	1.24	ug/L	93
28) 1,1-Dichloroethane	6.836	63	118005	8.01	ug/L	100
29) Acrylonitrile	6.897	52	93203	37.40	ug/L	96
30) ETBE	7.092	59	193218	8.34	ug/L	99
31) Vinyl acetate	7.110	43	560575	34.22	ug/L	98
32) cis-1,2-Dichloroethene	7.470	96	70395	8.23	ug/L	91
33) 2,2-Dichloropropane	7.598	77	88110	8.13	ug/L	96
34) Bromochloromethane	7.695	128	40900	8.56	ug/L	96
35) Cyclohexane	7.708	56	97339	7.83	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 16:10:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	126401	8.46	ug/L	96
37) Ethyl acetate	7.872	43	276451	35.30	ug/L	99
38) Tetrahydrofuran	7.964	42	22353	8.80	ug/L	94
40) Carbon Tetrachloride	7.939	117	91142	7.81	ug/L	99
41) 1,1,1-Trichloroethane	8.012	97	107849	8.04	ug/L	98
42) 2-Butanone	8.098	43	188250	47.07	ug/L	98
43) 1,1-Dichloropropene	8.140	75	88807	7.98	ug/L	97
44) tert-Butyl formate	8.244	59	236204	53.82	ug/L	98
45) Propionitrile	8.427	54	85079	62.83	ug/L	90
46) Methacrylonitrile	8.445	41	401193	65.80	ug/L	98
47) Benzene	8.409	78	262727	8.18	ug/L	98
48) TAME	8.494	73	167716	7.61	ug/L	96
49) Isobutyl alcohol	8.567	43	33817	117.12	ug/L	95
51) 1,2-Dichloroethane	8.622	62	106484	8.64	ug/L	98
52) Tert Amyl Alcohol	8.677	59	42618	75.59	ug/L	94
53) Trichloroethene	9.018	95	72878	8.01	ug/L	95
54) Methylcyclohexane	9.012	83	80535	7.94	ug/L	98
55) Dibromomethane	9.463	93	45259	7.98	ug/L	93
56) 1,2-Dichloropropane	9.555	63	67722	8.43	ug/L	96
57) Bromodichloromethane	9.604	83	82257	8.21	ug/L	97
58) Methyl methacrylate	9.725	41	40002	6.25	ug/L	94
59) 1,4-Dioxane	9.811	88	13152	175.12	ug/L	87
60) 2-Chloroethyl vinyl ether	10.146	63	242946	47.38	ug/L	95
61) cis-1,3-Dichloropropene	10.244	75	91585	8.29	ug/L	99
64) Toluene	10.481	91	279832	9.24	ug/L	100
65) 2-Nitropropane	10.719	41	81604	48.42	ug/L	99
66) 4-Methyl-2-pentanone	10.829	43	388659	54.69	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	83098	9.02	ug/L	99
68) Tetrachloroethene	10.884	166	80733	9.12	ug/L	97
69) Ethyl methacrylate	10.994	69	57262	7.05	ug/L	96
70) 1,1,2-Trichloroethane	11.054	83	54133	9.93	ug/L	98
71) Dibromochloromethane	11.243	129	69583	9.49	ug/L	97
72) 1,3-Dichloropropane	11.335	76	109360	9.79	ug/L	96
73) 1,2-Dibromoethane	11.506	107	68356	9.77	ug/L	96
74) 3,3-dimethyl-1-butanol	11.597	57	253174	457.24	ug/L	97
75) 2-hexanone	11.658	43	266263	53.37	ug/L	99
76) 1-Chlorohexane	11.945	91	75759m	9.74	ug/L	
77) Ethylbenzene	12.006	91	315512	9.24	ug/L	98
78) Chlorobenzene	12.012	112	191846	9.46	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	67827	9.72	ug/L	97
80) m,p-Xylene	12.146	91	478681	18.70	ug/L	100
81) o-Xylene	12.591	91	232373	9.60	ug/L	99
82) Styrene	12.640	104	159517	9.04	ug/L	98
83) Bromoform	12.701	173	41791	9.93	ug/L	97
84) Isopropylbenzene	12.890	105	285116	9.55	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.255	53	17251	7.60	ug/L	94
88) n-Propylbenzene	13.310	91	327407	10.22	ug/L	99
89) Bromobenzene	13.335	156	85779	10.33	ug/L	97
90) 1,1,2,2-Tetrachloroethane	13.377	83	88280	10.29	ug/L	96
91) 1,3,5-Trimethylbenzene	13.493	105	233905	10.18	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 16:10:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

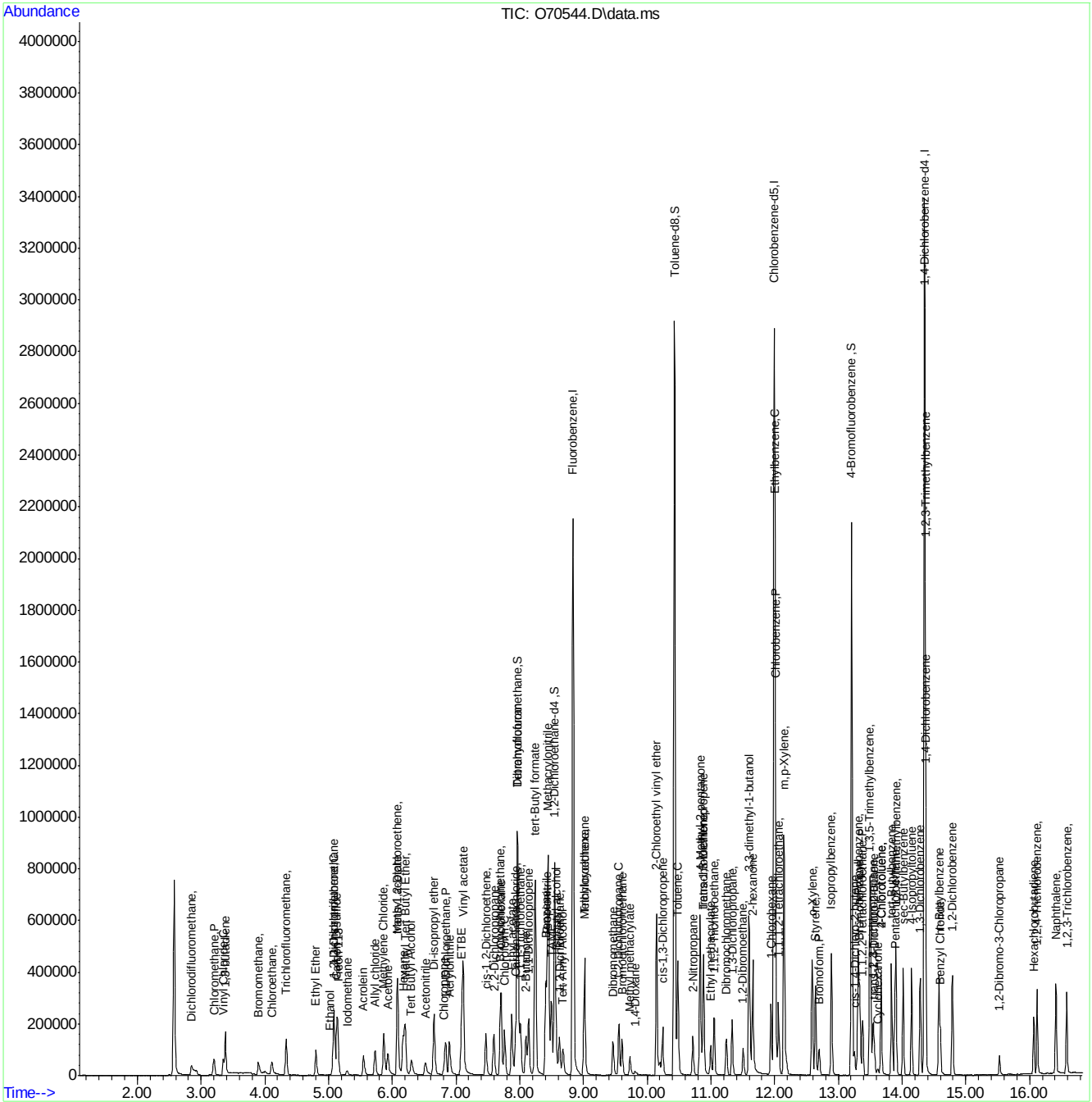
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	202552	9.96	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.566	53	22932	10.72	ug/L		90
94) 1,2,3-Trichloropropane	13.548	110	27771	9.79	ug/L		99
95) Cyclohexanone	13.621	55	10283	51.44	ug/L		93
96) 4-Chlorotoluene	13.670	91	202552	9.96	ug/L		99
97) tert-Butylbenzene	13.834	91	125351	10.20	ug/L		97
99) 1,2,4-Trimethylbenzene	13.908	105	230607	10.37	ug/L		96
100) Pentachloroethane	13.889	167	32348	7.90	ug/L		98
101) sec-Butylbenzene	14.017	105	251805	10.28	ug/L		99
102) 4-Isopropyltoluene	14.151	119	222025	10.31	ug/L		99
103) 1,3-Dichlorobenzene	14.286	146	147235	10.26	ug/L		100
104) 1,2,3-Trimethylbenzene	14.365	105	244438	10.42	ug/L		97
105) 1,4-Dichlorobenzene	14.371	146	159838	10.34	ug/L		98
106) n-Butylbenzene	14.578	92	108254	10.31	ug/L		99
107) Benzyl Chloride	14.603	126	22298	8.99	ug/L	#	79
108) 1,2-Dichlorobenzene	14.792	146	143205	10.37	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	15.529	75	13053	9.86	ug/L		89
110) Hexachlorobutadiene	16.066	225	32489	11.16	ug/L		98
111) 1,2,4-Trichlorobenzene	16.121	180	84710	10.41	ug/L		99
112) Naphthalene	16.413	128	232915	11.02	ug/L		99
113) 1,2,3-Trichlorobenzene	16.584	180	84091	10.41	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 16:10:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

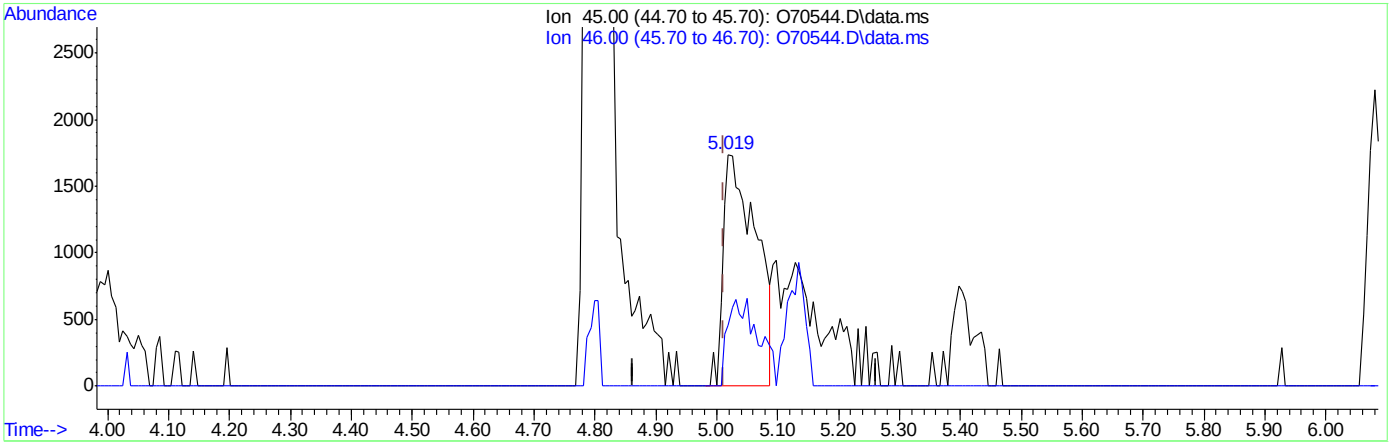
Sample Number: VO2796-IC2796
Lab FileID: O70544.D
Injection Time: 08/23/22 13:30
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

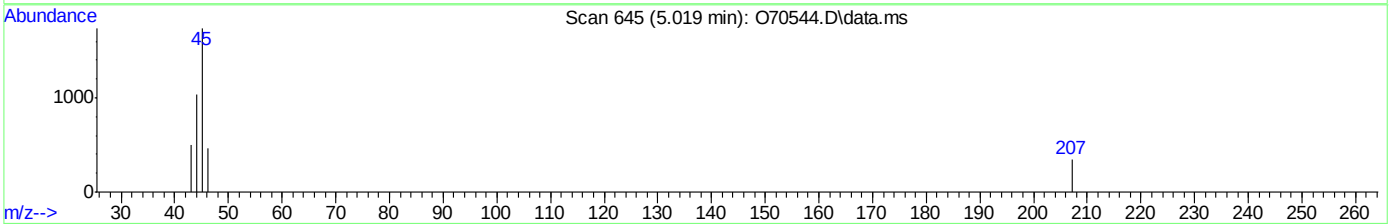
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.02	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.52	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

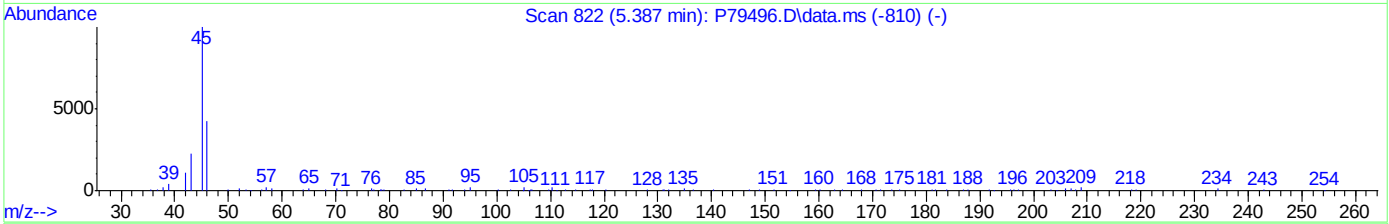
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(10) Ethanol

5.019min (+0.006) 114.28ug/L

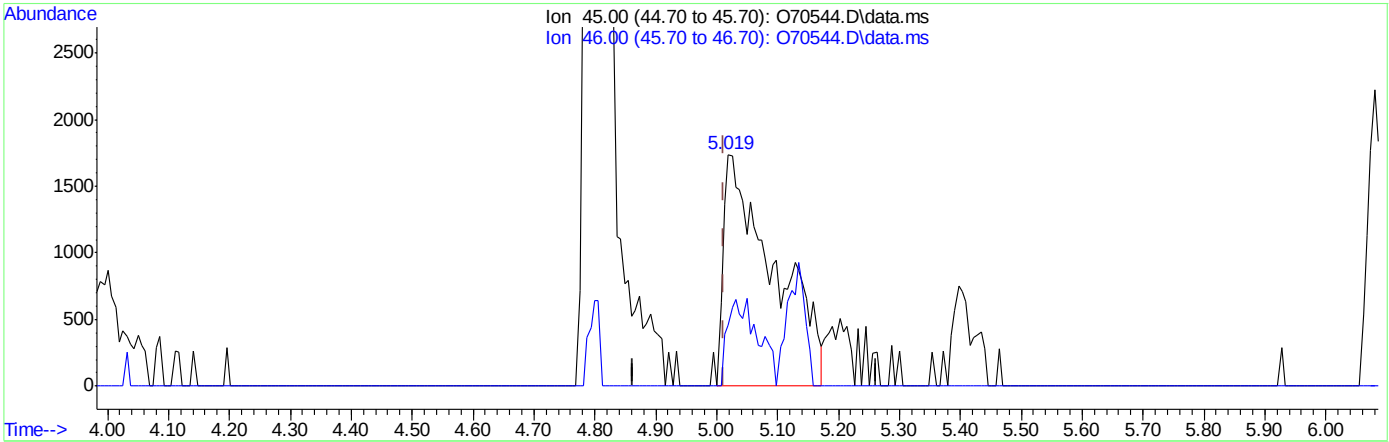
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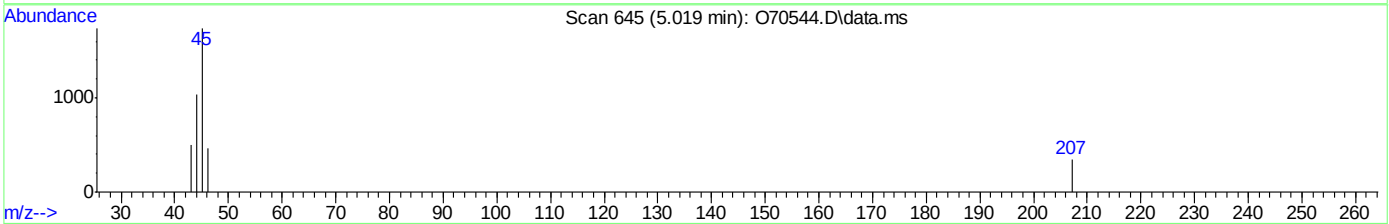
Ion	Exp%	Act%
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46.00	42.90	26.41
0.00	0.00	0.00
0.00	0.00	0.00

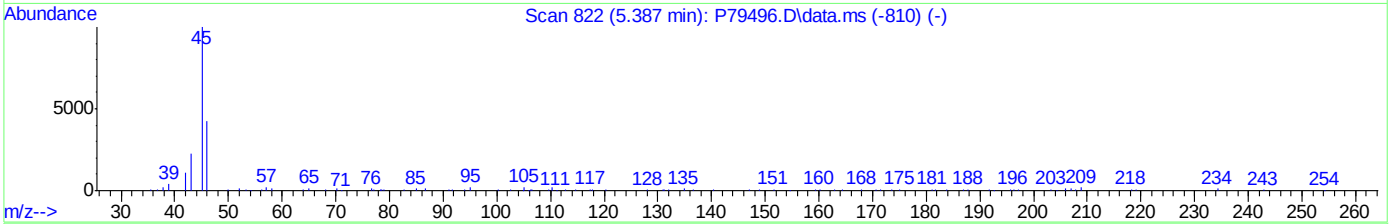
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(10) Ethanol

5.019min (+0.006) 175.57ug/L m

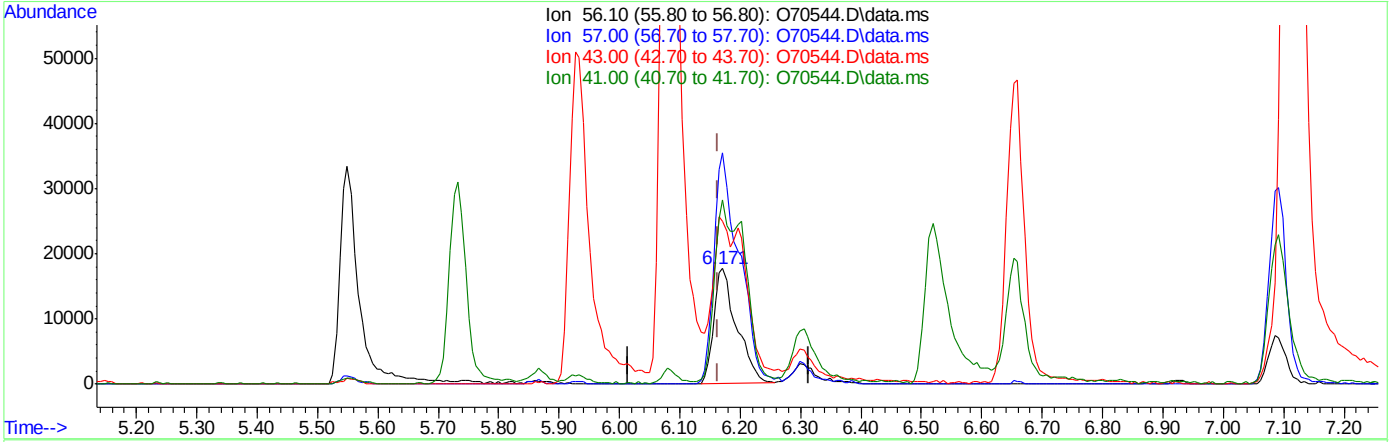
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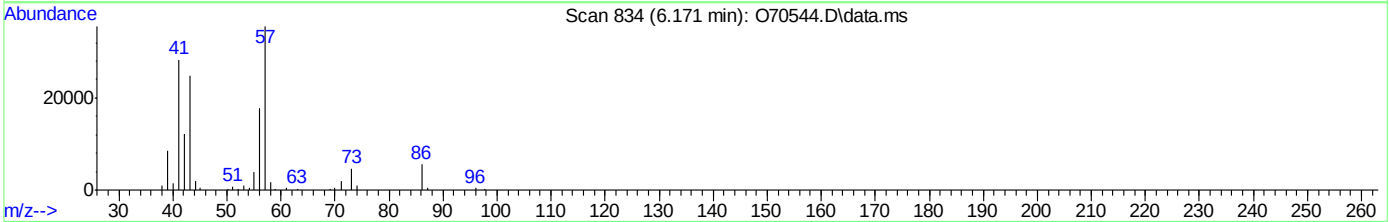
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	26.41
0.00	0.00	0.00
0.00	0.00	0.00

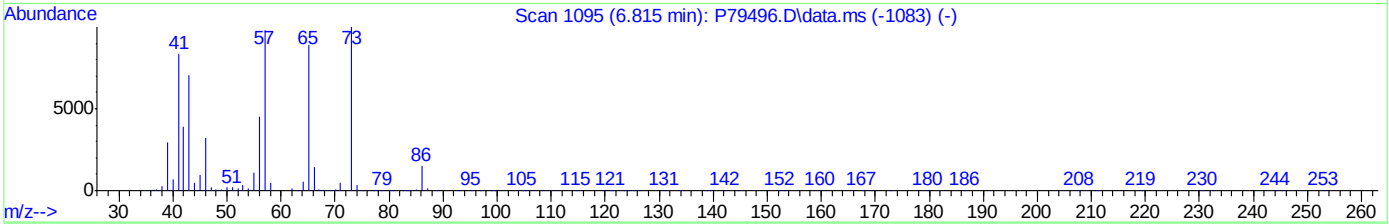
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(22) Hexane

6.171min (+0.006) 10.24ug/L

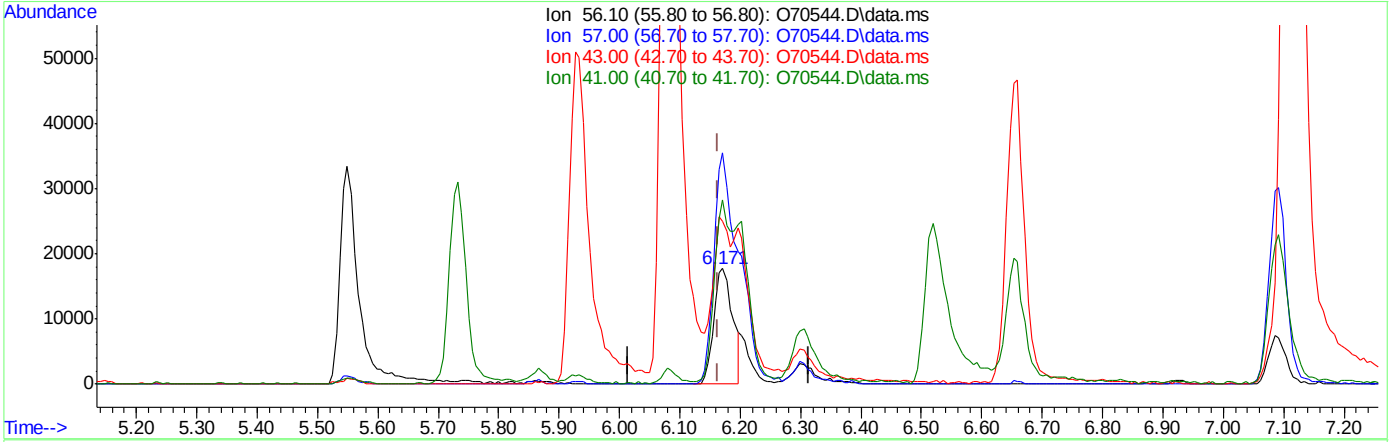
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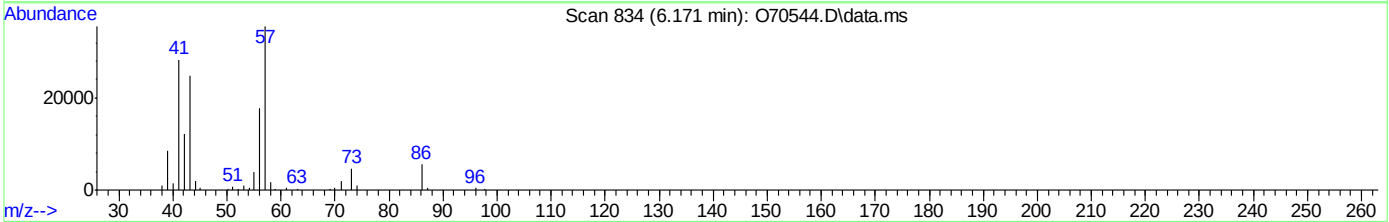
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	196.97
43.00	139.80	128.97
41.00	146.00	156.11

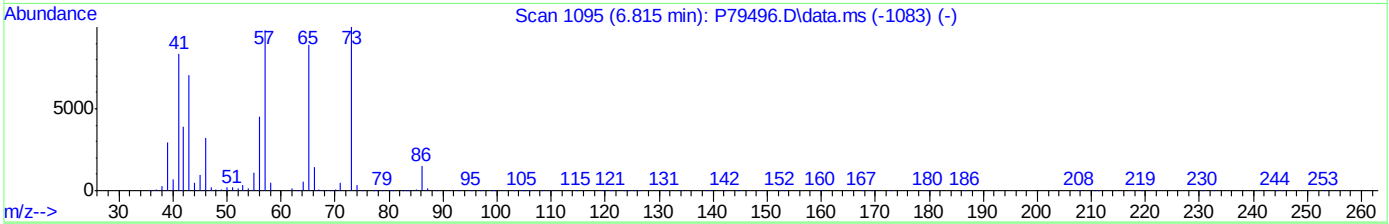
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(22) Hexane

6.171min (+0.006) 8.40ug/L m

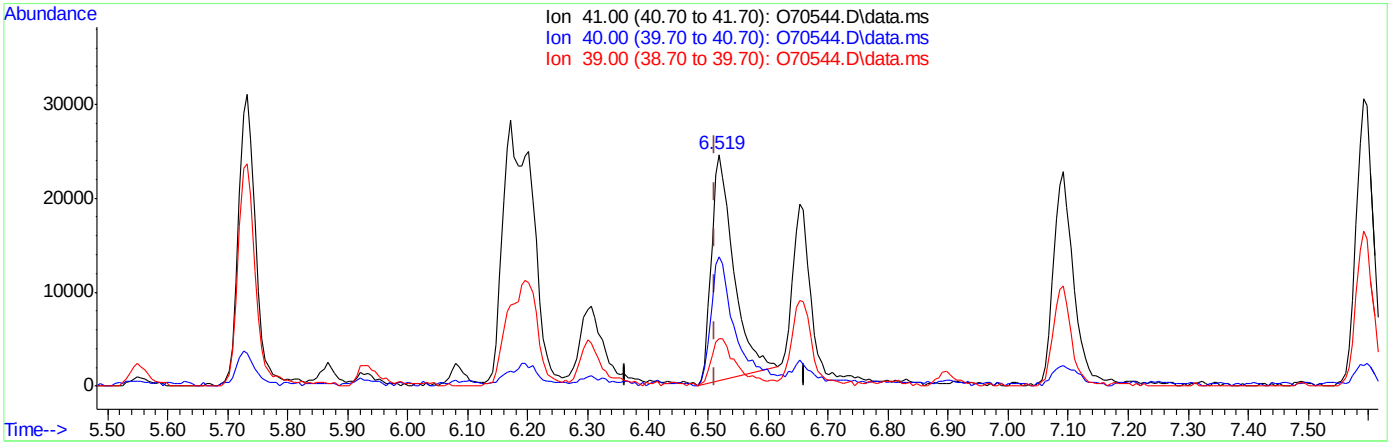
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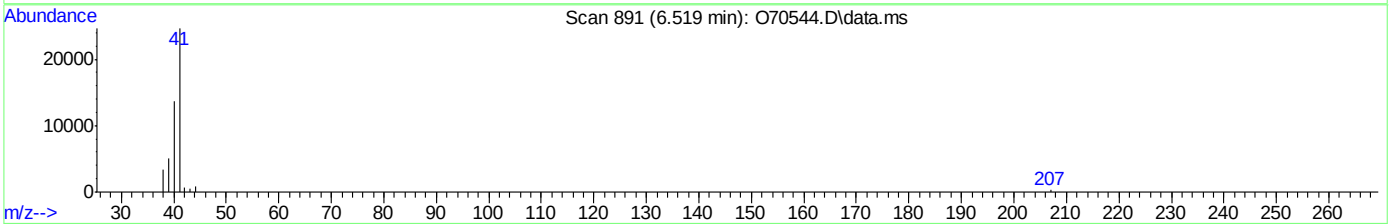
Ion	Exp%	Act%
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57.00	199.60	200.68
43.00	139.80	140.70
41.00	146.00	159.89

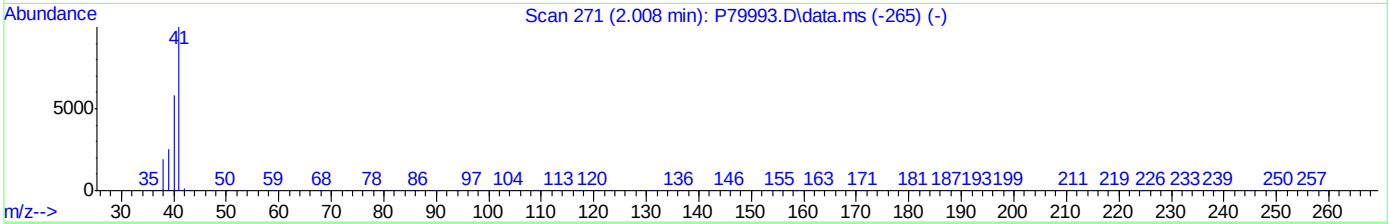
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 66.11ug/L

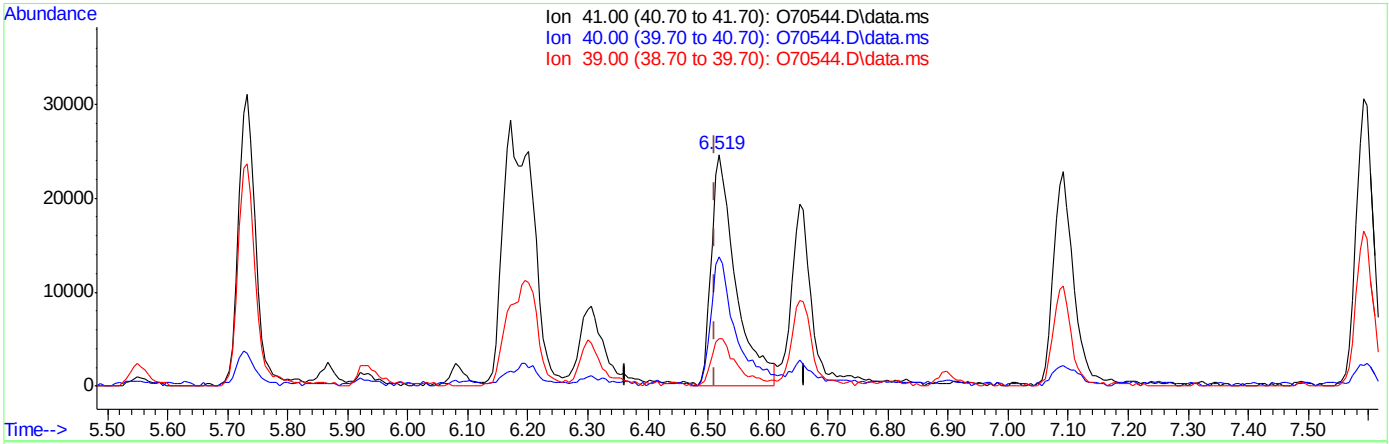
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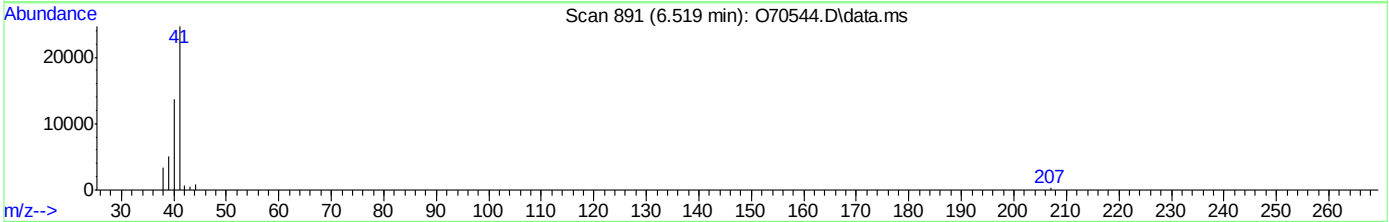
Ion	Exp%	Act%
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40.00	51.60	55.80
39.00	19.60	20.48
0.00	0.00	0.00

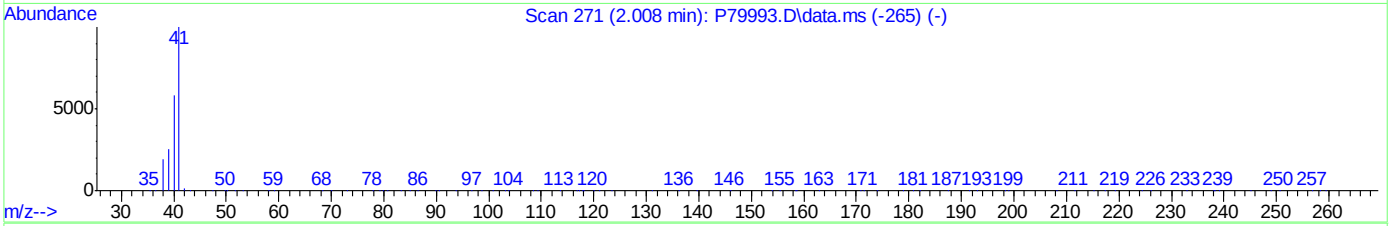
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 74.49ug/L m

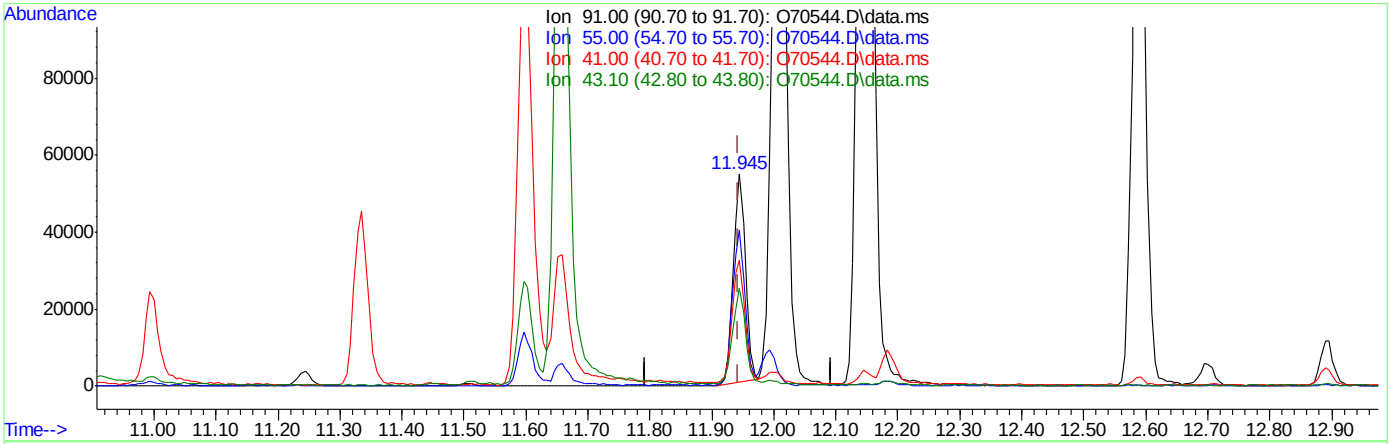
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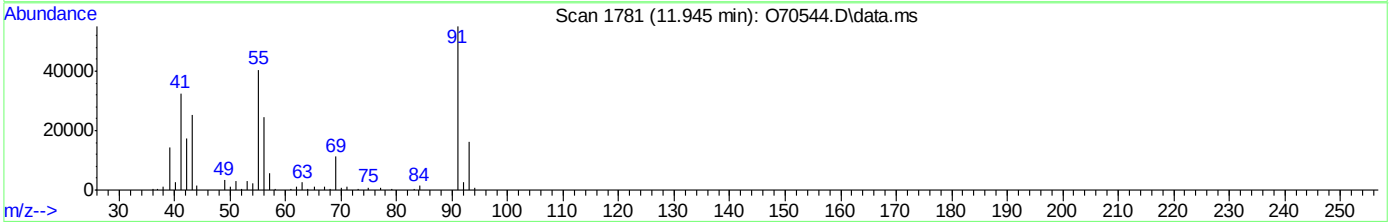
Ion	Exp%	Act%
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40.00	51.60	55.80
39.00	19.60	20.48
0.00	0.00	0.00

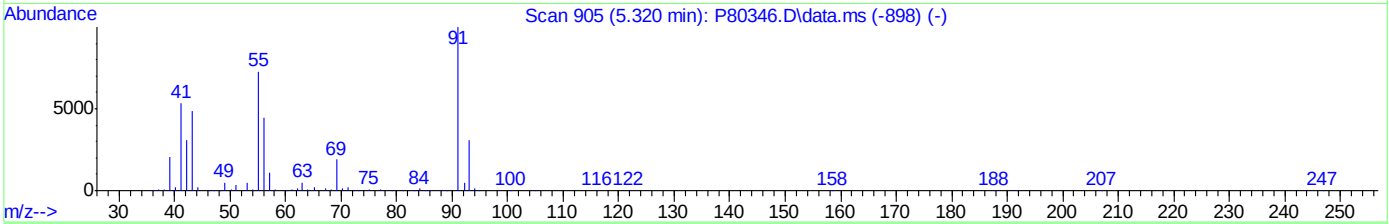
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(76) 1-Chlorohexane

11.945min (+0.001) 9.32ug/L

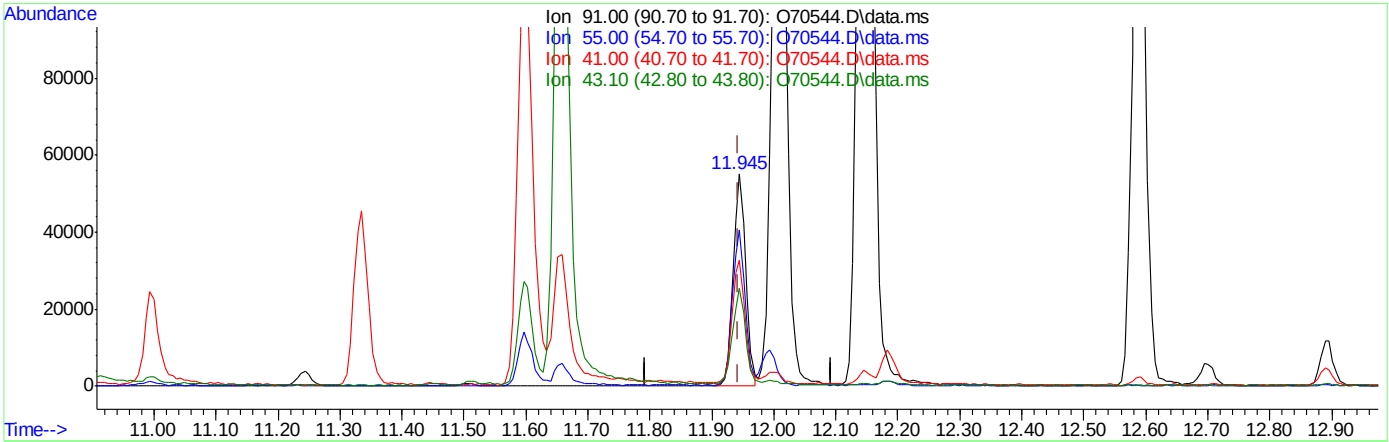
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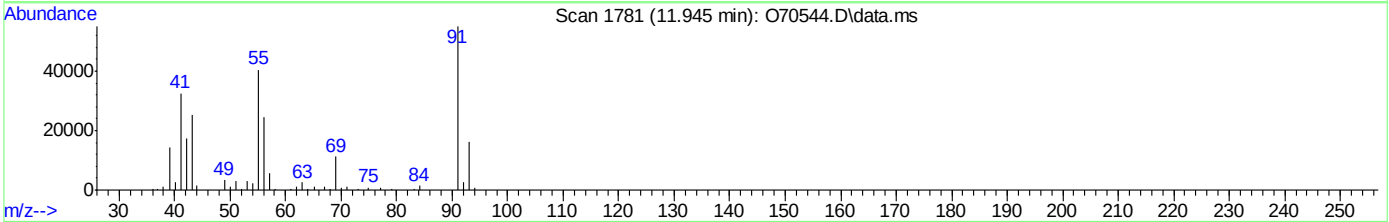
Ion	Exp%	Act%
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55.00	71.00	72.88
41.00	56.50	57.63
43.10	44.30	44.66

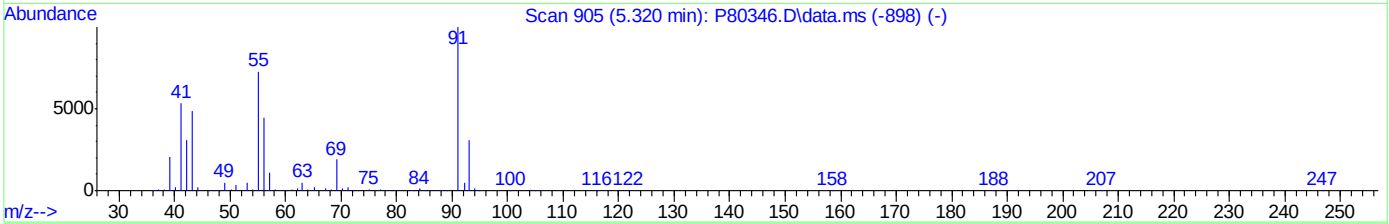
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(76) 1-Chlorohexane

11.945min (+0.001) 9.74ug/L m

response 75759

Ion	Exp%	Act%
91.00	100	100
55.00	71.00	73.50
41.00	56.50	59.26
43.10	44.30	46.07

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 16:13:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1714056	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1346148	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	700151	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	489679	50.90	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.80%			
50) 1,2-Dichloroethane-d4	8.549	65	496873	50.19	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.38%			
63) Toluene-d8	10.427	98	1692991	54.61	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 109.22%			
86) 4-Bromofluorobenzene	13.206	174	555756	50.93	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	145108	18.02	ug/L	98
3) Chloromethane	3.202	50	169865	20.55	ug/L	99
4) 1,3-butadiene	3.379	39	150890	19.99	ug/L	99
5) Vinyl Chloride	3.343	62	187273	20.83	ug/L	98
6) Bromomethane	3.897	94	93014	25.64	ug/L	96
7) Chloroethane	4.105	64	120667	20.27	ug/L	98
8) Trichlorofluoromethane	4.330	101	267925	21.02	ug/L	99
9) Ethyl Ether	4.800	59	126718	19.65	ug/L	97
10) Ethanol	5.019	45	29493m	526.44	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	162320	19.36	ug/L	95
12) 1,1-Dichloroethene	5.086	61	227498	19.37	ug/L	99
13) Freon 113	5.141	101	144466	18.24	ug/L	89
14) Carbon Disulfide	5.129	76	422663	21.10	ug/L	100
15) Iodomethane	5.287	142	87977	21.76	ug/L	99
16) Acrolein	5.543	56	155511	113.29	ug/L	99
17) Allyl chloride	5.726	41	195919	21.34	ug/L	97
18) Methylene Chloride	5.866	49	227842	19.57	ug/L	98
19) Acetone	5.927	43	224092	87.16	ug/L	99
20) Methyl acetate	6.080	43	622832	97.79	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	232106	20.16	ug/L	97
22) Hexane	6.165	56	89321m	19.86	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	405704	19.33	ug/L	96
24) Tert Butyl Alcohol	6.299	59	147951	187.48	ug/L	99
25) Acetonitrile	6.513	41	209539m	226.23	ug/L	
26) Di-isopropyl ether	6.653	45	482569	20.87	ug/L	100
27) Chloroprene	6.805	53	42149	3.90	ug/L	95
28) 1,1-Dichloroethane	6.836	63	288904	19.83	ug/L	99
29) Acrylonitrile	6.891	52	261545	106.12	ug/L	99
30) ETBE	7.086	59	468258	20.44	ug/L	99
31) Vinyl acetate	7.110	43	1628959	100.55	ug/L	99
32) cis-1,2-Dichloroethene	7.470	96	169458	20.02	ug/L	98
33) 2,2-Dichloropropane	7.592	77	217742	20.32	ug/L	97
34) Bromochloromethane	7.695	128	93246	19.73	ug/L	97
35) Cyclohexane	7.708	56	238961	19.44	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 16:13:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	303209	20.51	ug/L	98
37) Ethyl acetate	7.872	43	781759	100.93	ug/L	99
38) Tetrahydrofuran	7.957	42	50705	19.94	ug/L	96
40) Carbon Tetrachloride	7.939	117	227770	19.74	ug/L	99
41) 1,1,1-Trichloroethane	8.006	97	265619	20.02	ug/L	96
42) 2-Butanone	8.098	43	351592	88.88	ug/L	99
43) 1,1-Dichloropropene	8.140	75	216525	19.68	ug/L	97
44) tert-Butyl formate	8.244	59	523159	115.85	ug/L	99
45) Propionitrile	8.421	54	263654	196.84	ug/L	98
46) Methacrylonitrile	8.445	41	1230710	204.07	ug/L	99
47) Benzene	8.409	78	635275	19.99	ug/L	99
48) TAME	8.494	73	404394	18.56	ug/L	97
49) Isobutyl alcohol	8.567	43	110181	377.15	ug/L	97
51) 1,2-Dichloroethane	8.622	62	244480	20.06	ug/L	99
52) Tert Amyl Alcohol	8.677	59	103019	184.73	ug/L	96
53) Trichloroethene	9.012	95	176233	19.57	ug/L	94
54) Methylcyclohexane	9.012	83	198496	19.79	ug/L	98
55) Dibromomethane	9.463	93	109295	19.48	ug/L	98
56) 1,2-Dichloropropane	9.555	63	160494	20.20	ug/L	96
57) Bromodichloromethane	9.604	83	204368	20.63	ug/L	99
58) Methyl methacrylate	9.725	41	137198	20.80	ug/L	97
59) 1,4-Dioxane	9.805	88	28652	386.01	ug/L	96
60) 2-Chloroethyl vinyl ether	10.146	63	550412	105.43	ug/L	97
61) cis-1,3-Dichloropropene	10.238	75	233469	21.37	ug/L	96
64) Toluene	10.481	91	682570	22.73	ug/L	100
65) 2-Nitropropane	10.713	41	216141	129.26	ug/L	98
66) 4-Methyl-2-pentanone	10.829	43	742133	104.66	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	202766	22.18	ug/L	98
68) Tetrachloroethene	10.884	166	203959	23.22	ug/L	99
69) Ethyl methacrylate	10.993	69	196473	23.60	ug/L	98
70) 1,1,2-Trichloroethane	11.048	83	125979	23.29	ug/L	96
71) Dibromochloromethane	11.243	129	175155	24.08	ug/L	97
72) 1,3-Dichloropropane	11.335	76	257118	23.21	ug/L	99
73) 1,2-Dibromoethane	11.506	107	161449	23.25	ug/L	98
74) 3,3-dimethyl-1-butanol	11.597	57	577130	1005.72	ug/L	99
75) 2-hexanone	11.652	43	507911	102.61	ug/L	99
76) 1-Chlorohexane	11.945	91	187614	24.31	ug/L	97
77) Ethylbenzene	12.005	91	773747	22.85	ug/L	99
78) Chlorobenzene	12.012	112	466564	23.19	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	167820	24.24	ug/L	95
80) m,p-Xylene	12.146	91	1198067	47.18	ug/L	99
81) o-Xylene	12.591	91	582391	24.26	ug/L	99
82) Styrene	12.639	104	423868	24.20	ug/L	98
83) Bromoform	12.700	173	107089	24.32	ug/L	99
84) Isopropylbenzene	12.889	105	713047	24.06	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	58957	26.07	ug/L	95
88) n-Propylbenzene	13.310	91	815991	25.55	ug/L	99
89) Bromobenzene	13.334	156	205968	24.89	ug/L	97
90) 1,1,2,2-Tetrachloroethane	13.377	83	208991	24.45	ug/L	98
91) 1,3,5-Trimethylbenzene	13.493	105	594234	25.93	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 16:13:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

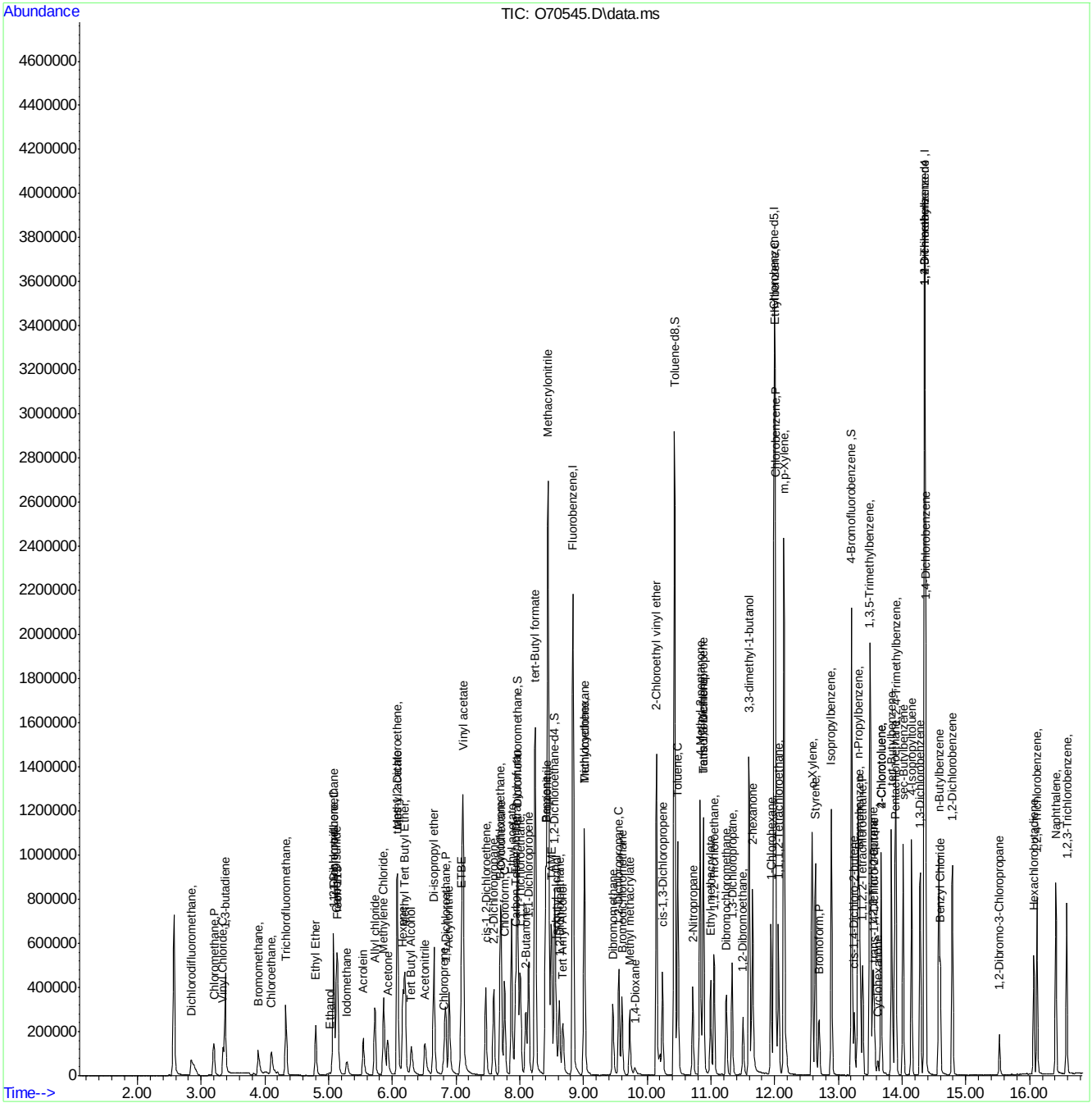
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92)	2-Chlorotoluene	13.670	91	506390	24.97	ug/L	99
93)	trans-1,4-Dichloro-2-B...	13.566	53	56617	26.55	ug/L	93
94)	1,2,3-Trichloropropane	13.542	110	67722	23.95	ug/L	98
95)	Cyclohexanone	13.615	55	26446	132.50	ug/L	97
96)	4-Chlorotoluene	13.670	91	506390	24.97	ug/L	99
97)	tert-Butylbenzene	13.834	91	315492	25.75	ug/L	100
99)	1,2,4-Trimethylbenzene	13.901	105	575016	25.94	ug/L	99
100)	Pentachloroethane	13.889	167	111696	27.36	ug/L	96
101)	sec-Butylbenzene	14.017	105	633316	25.95	ug/L	99
102)	4-Isopropyltoluene	14.151	119	561303	26.14	ug/L	98
103)	1,3-Dichlorobenzene	14.286	146	359340	25.12	ug/L	99
104)	1,2,3-Trimethylbenzene	14.359	105	599825	25.64	ug/L	98
105)	1,4-Dichlorobenzene	14.371	146	388271	25.19	ug/L	98
106)	n-Butylbenzene	14.578	92	276814	26.46	ug/L	98
107)	Benzyl Chloride	14.603	126	63664	25.75	ug/L	95
108)	1,2-Dichlorobenzene	14.792	146	345403	25.09	ug/L	98
109)	1,2-Dibromo-3-Chloropr...	15.529	75	32667	24.75	ug/L	92
110)	Hexachlorobutadiene	16.066	225	79768	27.83	ug/L	97
111)	1,2,4-Trichlorobenzene	16.121	180	207770	25.62	ug/L	97
112)	Naphthalene	16.413	128	557430	25.76	ug/L	99
113)	1,2,3-Trichlorobenzene	16.584	180	203741	25.30	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 16:13:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

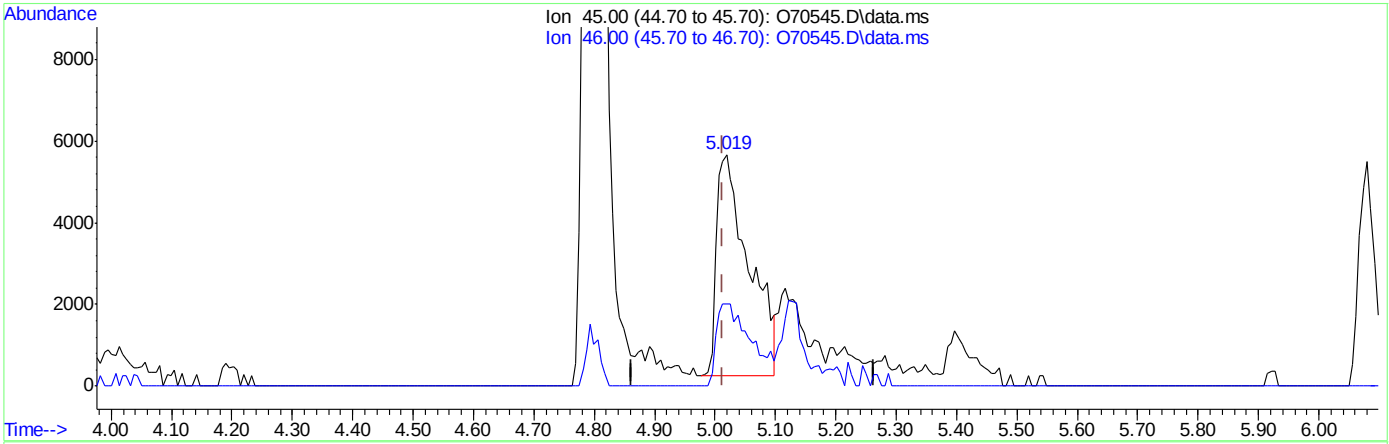
Sample Number: VO2796-IC2796
Lab FileID: O70545.D
Injection Time: 08/23/22 13:55
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

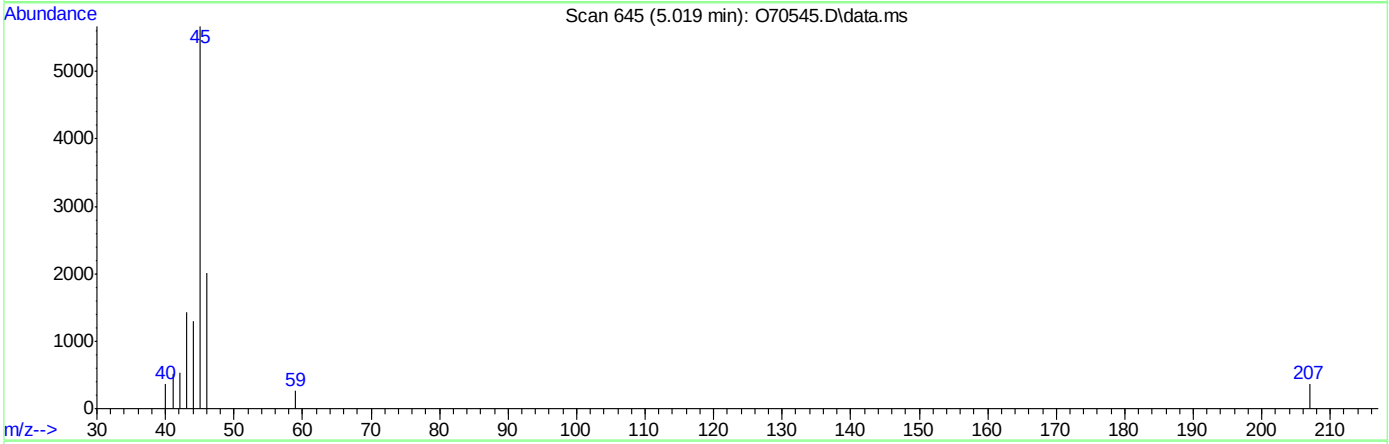
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.02	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(10) Ethanol

5.019min (+0.006) 360.71ug/L

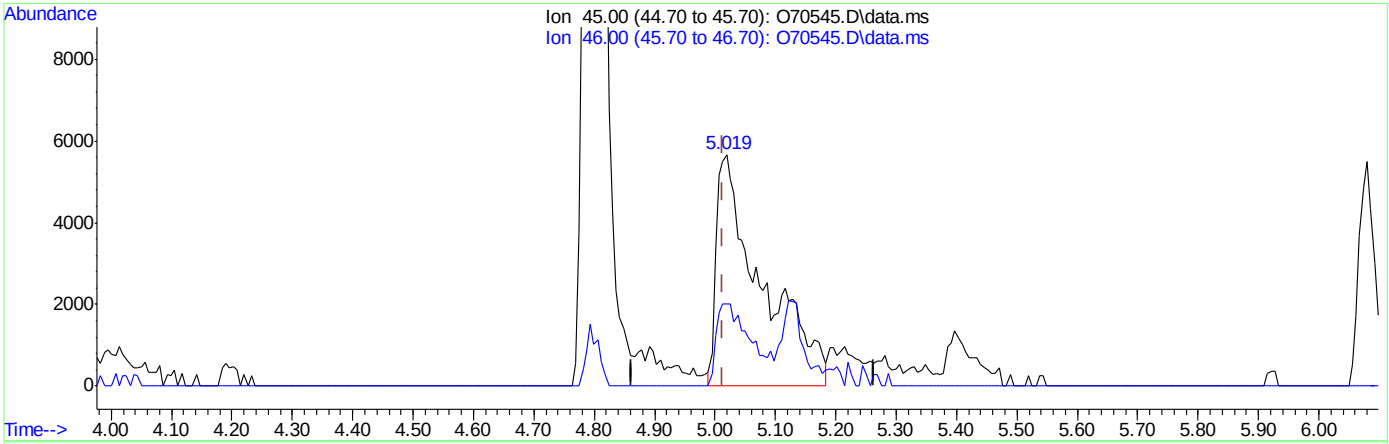
response 20208

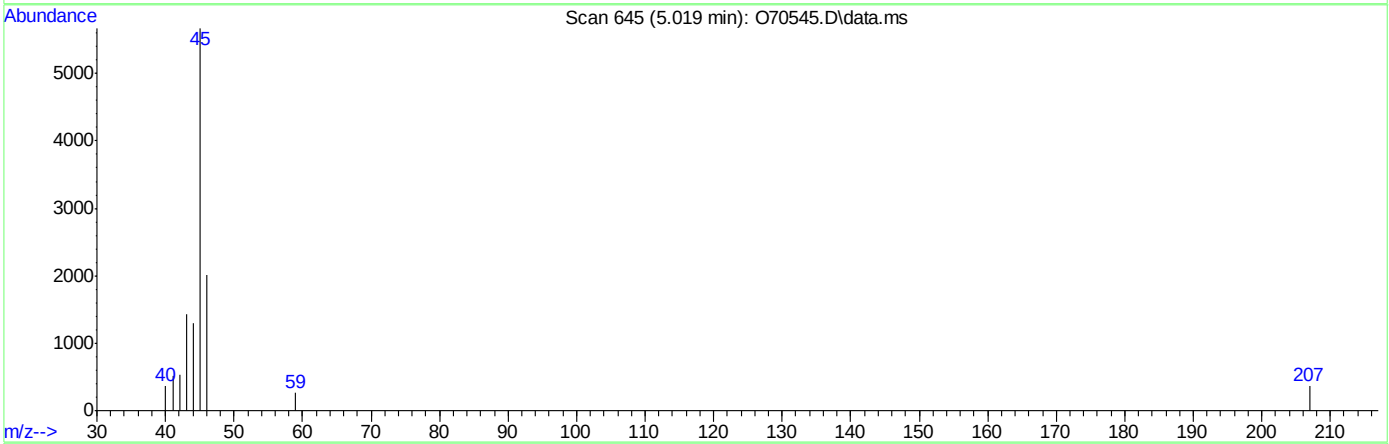
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	37.09
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(10) Ethanol

5.019min (+0.006) 526.44ug/L m

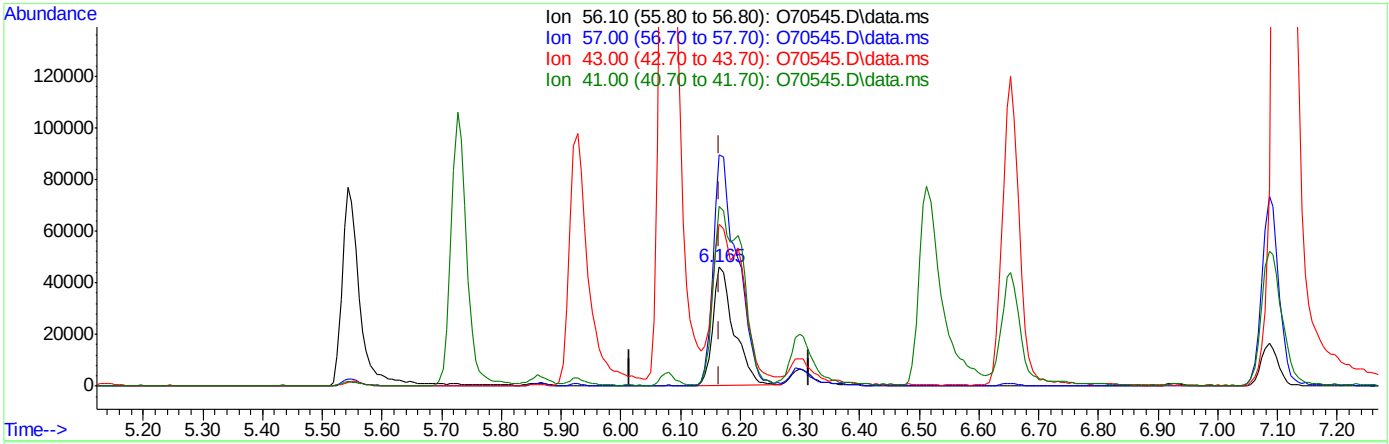
response 29493

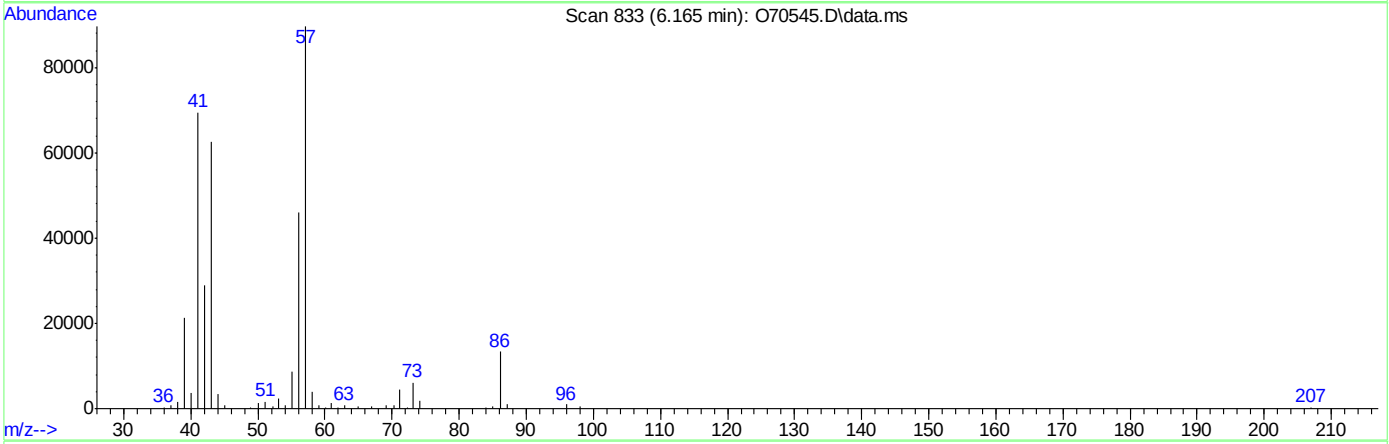
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	35.44
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(22) Hexane

6.165min (+0.000) 24.90ug/L

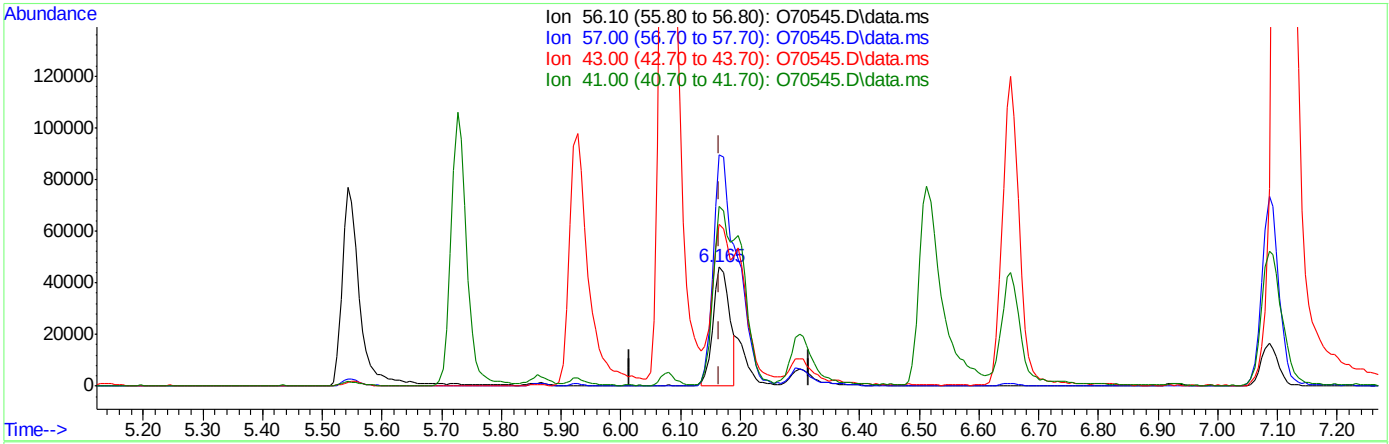
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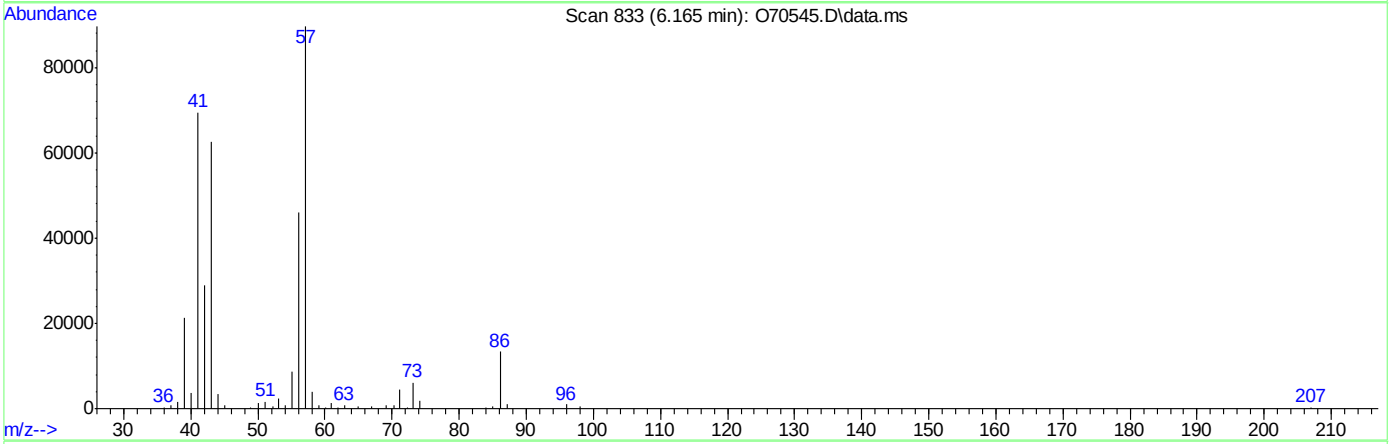
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	194.82
43.00	139.80	128.52
41.00	146.00	149.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(22) Hexane

6.165min (+0.000) 19.86ug/L m

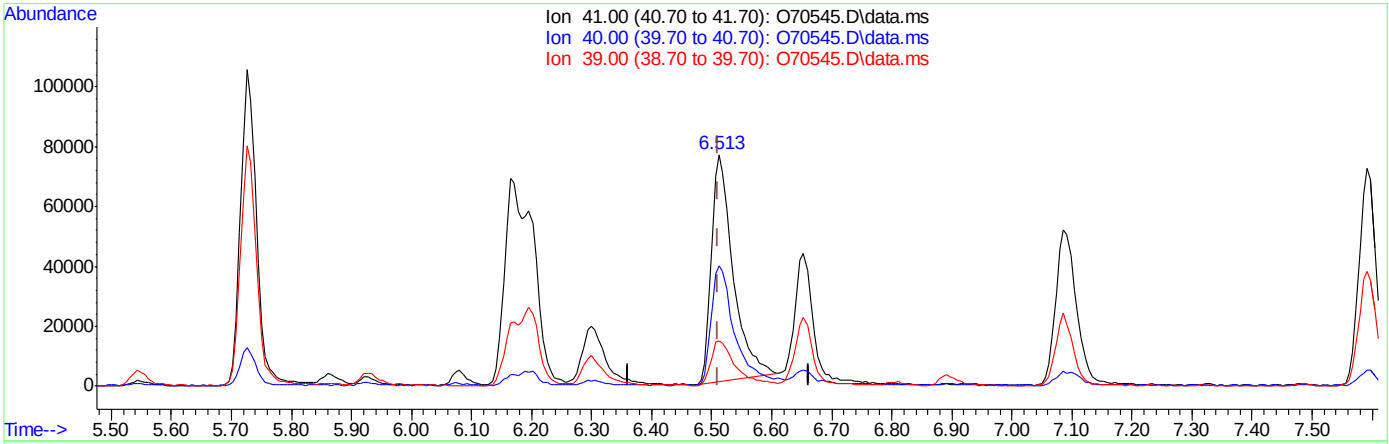
response 89321

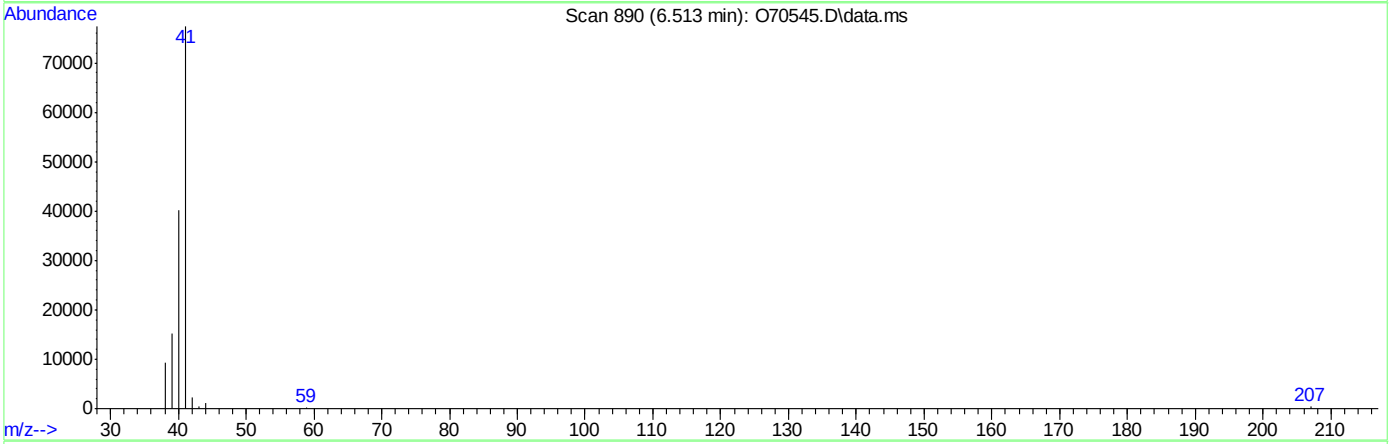
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	194.82
43.00	139.80	136.04
41.00	146.00	150.83

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 206.31ug/L

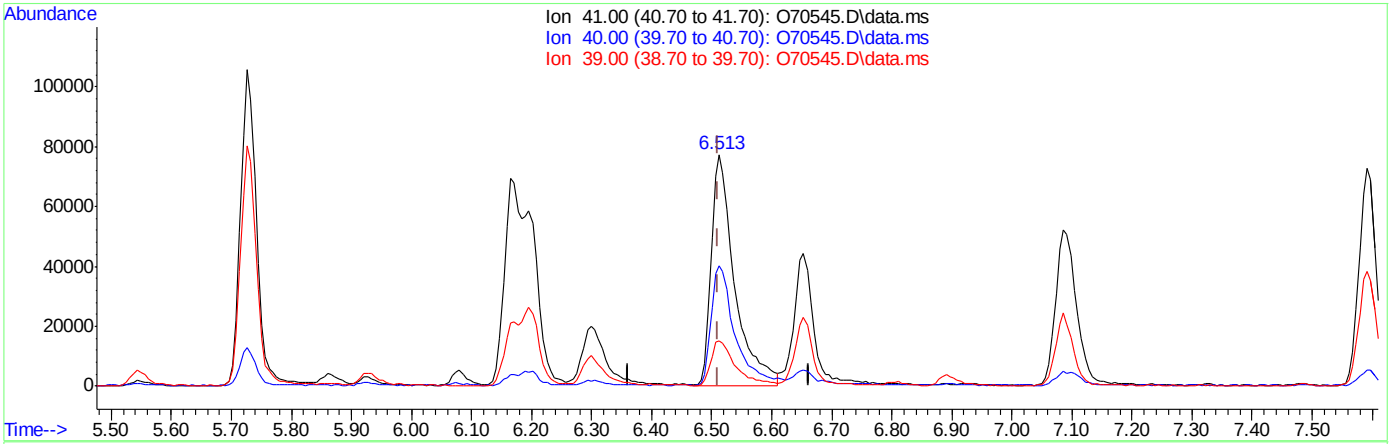
response 191090

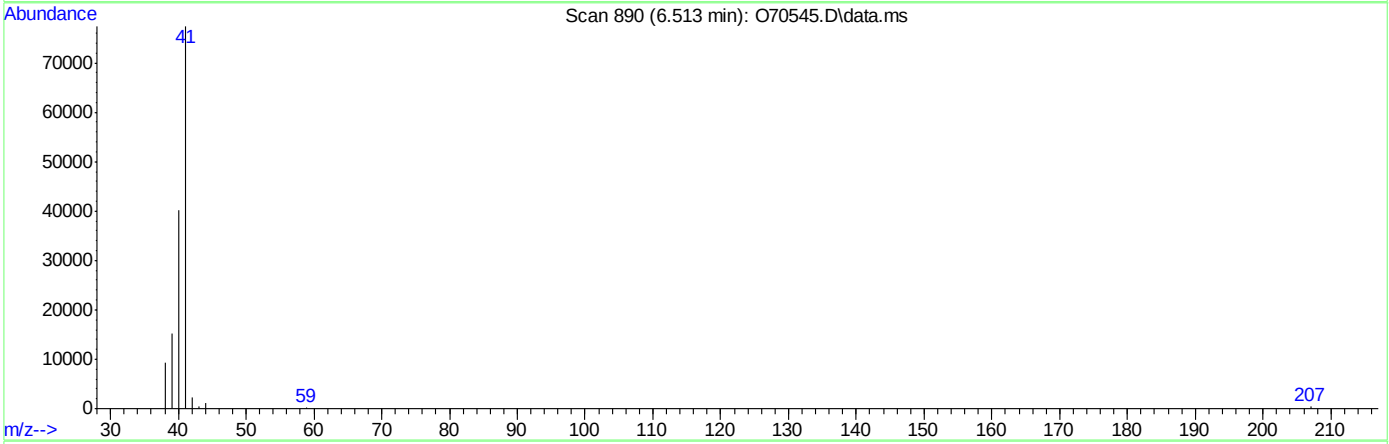
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	51.65
39.00	19.60	19.80
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 226.23ug/L m

response 209539

Ion	Exp%	Act%
41.00	100	100
40.00	51.60	52.00
39.00	19.60	19.69
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:15:33 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1693712	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1341945	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	687478	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	483004	50.80	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.60%			
50) 1,2-Dichloroethane-d4	8.549	65	483882	49.47	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.94%			
63) Toluene-d8	10.426	98	1677849	54.30	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 108.60%			
86) 4-Bromofluorobenzene	13.206	174	550232	51.36	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.72%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	236088	29.67	ug/L	99
3) Chloromethane	3.196	50	261099	31.97	ug/L	99
4) 1,3-butadiene	3.379	39	262867	35.24	ug/L	98
5) Vinyl Chloride	3.349	62	297402	33.47	ug/L	99
6) Bromomethane	3.897	94	147447	40.18	ug/L	98
7) Chloroethane	4.104	64	194673	35.18	ug/L	98
8) Trichlorofluoromethane	4.330	101	439628	34.91	ug/L	100
9) Ethyl Ether	4.799	59	199872	31.37	ug/L	96
10) Ethanol	5.013	45	49830m	900.14	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	262598	31.69	ug/L	98
12) 1,1-Dichloroethene	5.080	61	376573	32.45	ug/L	100
13) Freon 113	5.141	101	254093	32.47	ug/L	94
14) Carbon Disulfide	5.123	76	717985	35.33	ug/L	99
15) Iodomethane	5.287	142	181880	39.42	ug/L	99
16) Acrolein	5.543	56	237165	174.85	ug/L	99
17) Allyl chloride	5.726	41	336721	36.43	ug/L	98
18) Methylene Chloride	5.866	49	347024	30.16	ug/L	99
19) Acetone	5.921	43	364332	143.41	ug/L	98
20) Methyl acetate	6.074	43	951085	151.12	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	372809	32.77	ug/L	98
22) Hexane	6.165	56	158211m	35.58	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	635962	30.66	ug/L	99
24) Tert Butyl Alcohol	6.299	59	216563	277.72	ug/L	97
25) Acetonitrile	6.513	41	345805m	377.83	ug/L	
26) Di-isopropyl ether	6.653	45	751407	32.89	ug/L	99
27) Chloroprene	6.805	53	75033	7.02	ug/L	96
28) 1,1-Dichloroethane	6.836	63	457123	31.75	ug/L	98
29) Acrylonitrile	6.891	52	455324	186.96	ug/L	99
30) ETBE	7.086	59	736397	32.53	ug/L	99
31) Vinyl acetate	7.104	43	2951013	184.34	ug/L	99
32) cis-1,2-Dichloroethene	7.464	96	269634	32.24	ug/L	100
33) 2,2-Dichloropropane	7.592	77	371460	35.08	ug/L	97
34) Bromochloromethane	7.695	128	148737	31.85	ug/L	97
35) Cyclohexane	7.707	56	404250	33.29	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:15:33 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	473409	32.41	ug/L	98
37) Ethyl acetate	7.866	43	1363313	178.12	ug/L	100
38) Tetrahydrofuran	7.957	42	75651	29.80	ug/L	93
40) Carbon Tetrachloride	7.933	117	387080	33.95	ug/L	99
41) 1,1,1-Trichloroethane	8.006	97	438503	33.44	ug/L	100
42) 2-Butanone	8.092	43	574880	147.07	ug/L	99
43) 1,1-Dichloropropene	8.140	75	358811	33.00	ug/L	98
44) tert-Butyl formate	8.244	59	823414	177.69	ug/L	97
45) Propionitrile	8.421	54	431732	326.19	ug/L	95
46) Methacrylonitrile	8.445	41	2003917	336.26	ug/L	99
47) Benzene	8.409	78	1001414	31.89	ug/L	98
48) TAME	8.494	73	631250	29.31	ug/L	97
49) Isobutyl alcohol	8.567	43	175476	596.60	ug/L	98
51) 1,2-Dichloroethane	8.622	62	379823	31.54	ug/L	99
52) Tert Amyl Alcohol	8.677	59	148243	269.01	ug/L	99
53) Trichloroethene	9.012	95	285838	32.12	ug/L	96
54) Methylcyclohexane	9.012	83	345330	34.85	ug/L	98
55) Dibromomethane	9.457	93	168439	30.39	ug/L	98
56) 1,2-Dichloropropane	9.555	63	255973	32.60	ug/L	98
57) Bromodichloromethane	9.603	83	326817	33.38	ug/L	98
58) Methyl methacrylate	9.725	41	232578	34.40	ug/L	99
59) 1,4-Dioxane	9.805	88	44043	600.99	ug/L	99
60) 2-Chloroethyl vinyl ether	10.146	63	855339	161.40	ug/L	99
61) cis-1,3-Dichloropropene	10.237	75	374823	34.73	ug/L	99
64) Toluene	10.481	91	1085163	36.24	ug/L	100
65) 2-Nitropropane	10.713	41	342184	205.28	ug/L	99
66) 4-Methyl-2-pentanone	10.829	43	1233248	173.08	ug/L	100
67) trans-1,3-Dichloropropene	10.884	75	333969	36.65	ug/L	91
68) Tetrachloroethene	10.878	166	325391	37.16	ug/L	97
69) Ethyl methacrylate	10.993	69	333844	39.07	ug/L	98
70) 1,1,2-Trichloroethane	11.048	83	194945	36.15	ug/L	99
71) Dibromochloromethane	11.243	129	284190	39.20	ug/L	100
72) 1,3-Dichloropropane	11.335	76	398938	36.12	ug/L	99
73) 1,2-Dibromoethane	11.506	107	253830	36.67	ug/L	100
74) 3,3-dimethyl-1-butanol	11.597	57	867724	1464.54	ug/L	100
75) 2-hexanone	11.652	43	850130	172.29	ug/L	98
76) 1-Chlorohexane	11.944	91	312728	40.65	ug/L	98
77) Ethylbenzene	12.005	91	1252877	37.12	ug/L	100
78) Chlorobenzene	12.012	112	732488	36.53	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	266063	38.55	ug/L	99
80) m,p-Xylene	12.146	91	1933561	76.39	ug/L	100
81) o-Xylene	12.585	91	932646	38.96	ug/L	97
82) Styrene	12.639	104	696381	39.89	ug/L	99
83) Bromoform	12.700	173	174688	37.93	ug/L	97
84) Isopropylbenzene	12.889	105	1158488	39.22	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	101496	45.71	ug/L	92
88) n-Propylbenzene	13.310	91	1318096	42.02	ug/L	99
89) Bromobenzene	13.334	156	323478	39.80	ug/L	96
90) 1,1,2,2-Tetrachloroethane	13.377	83	319321	38.04	ug/L	98
91) 1,3,5-Trimethylbenzene	13.493	105	963283	42.82	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:15:33 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

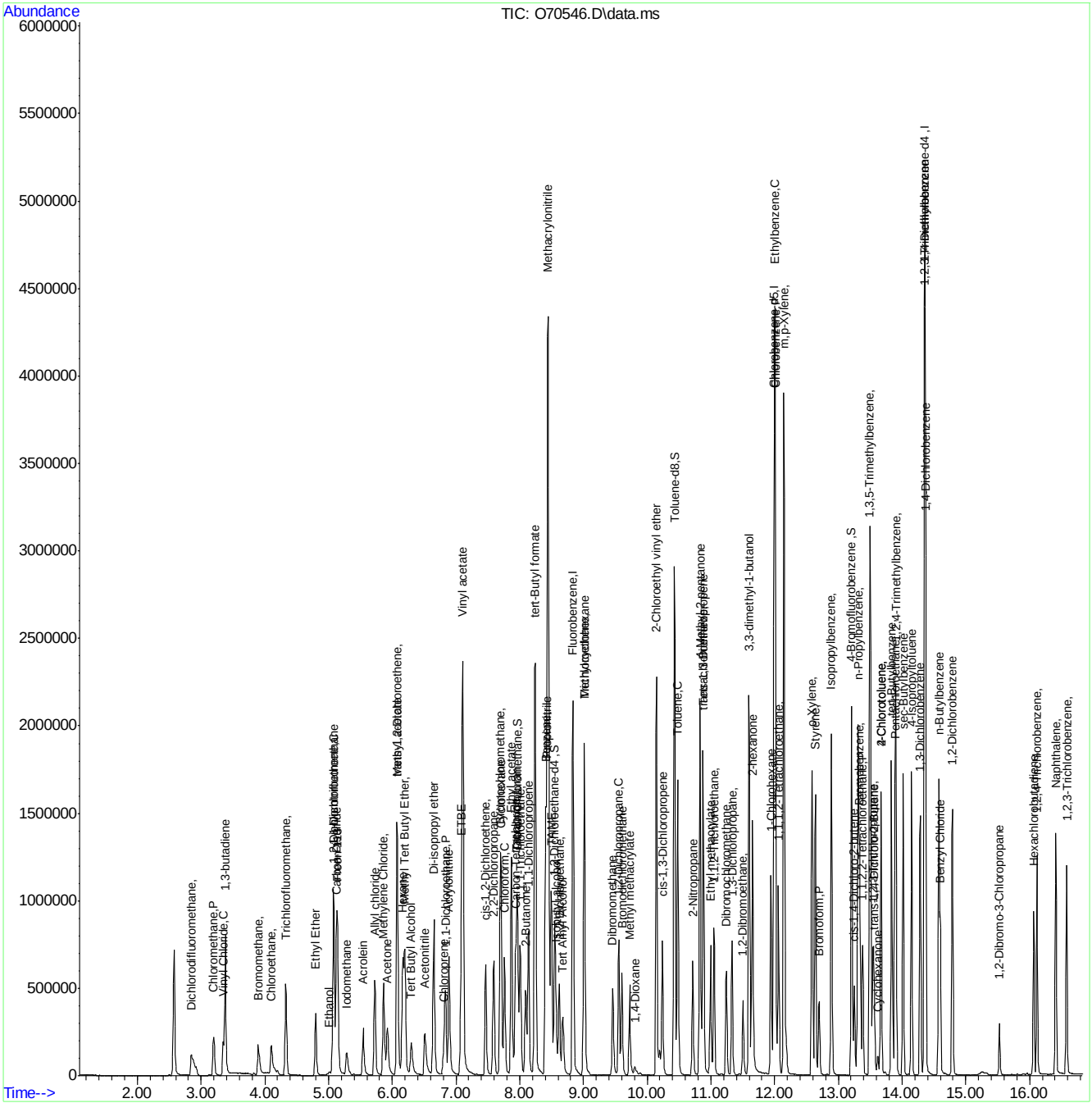
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	816349	40.99	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.560	53	89667	42.82	ug/L	#	76
94) 1,2,3-Trichloropropane	13.542	110	104052	37.47	ug/L		98
95) Cyclohexanone	13.621	55	40786	207.80	ug/L		98
96) 4-Chlorotoluene	13.670	91	816349	40.99	ug/L		100
97) tert-Butylbenzene	13.834	91	505480	42.01	ug/L		100
99) 1,2,4-Trimethylbenzene	13.901	105	924934	42.49	ug/L		98
100) Pentachloroethane	13.889	167	196327	48.98	ug/L		99
101) sec-Butylbenzene	14.017	105	1028098	42.90	ug/L		99
102) 4-Isopropyltoluene	14.151	119	921517	43.71	ug/L		100
103) 1,3-Dichlorobenzene	14.285	146	561264	39.96	ug/L		100
104) 1,2,3-Trimethylbenzene	14.359	105	943019	41.06	ug/L		98
105) 1,4-Dichlorobenzene	14.371	146	613231	40.53	ug/L		99
106) n-Butylbenzene	14.578	92	459340	44.71	ug/L		100
107) Benzyl Chloride	14.602	126	108484	44.68	ug/L		98
108) 1,2-Dichlorobenzene	14.791	146	540710	40.00	ug/L		98
109) 1,2-Dibromo-3-Chloropr...	15.529	75	52053	40.16	ug/L		92
110) Hexachlorobutadiene	16.066	225	134454	48.53	ug/L		95
111) 1,2,4-Trichlorobenzene	16.120	180	333301	41.85	ug/L		97
112) Naphthalene	16.413	128	884678	40.56	ug/L		100
113) 1,2,3-Trichlorobenzene	16.584	180	323031	40.85	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:15:33 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

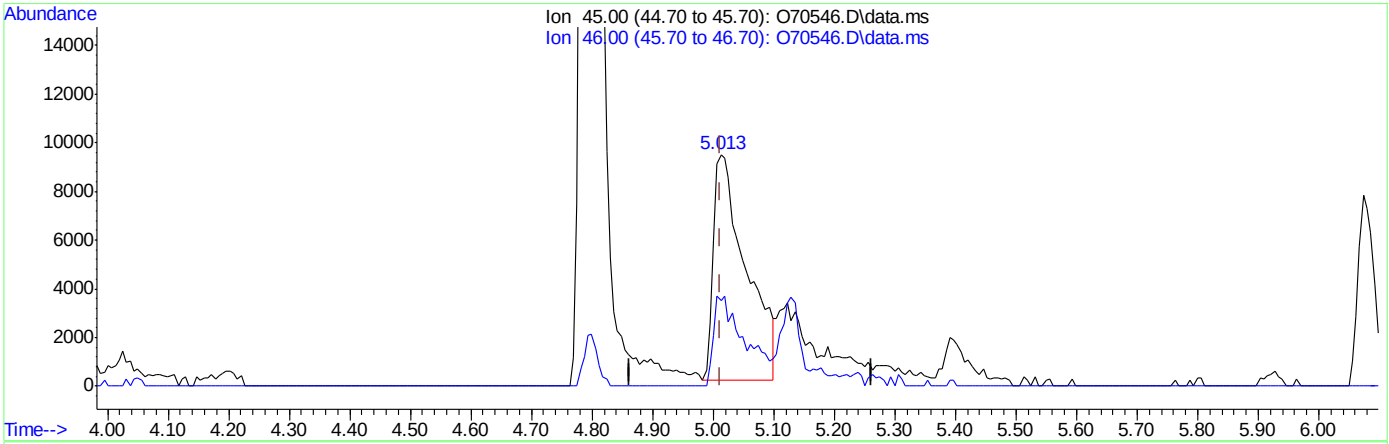
Sample Number: VO2796-ICC2796 **Method:** SW846 8260D
Lab FileID: O70546.D **Analyst approved:** 08/24/22 09:50 Jo-Ann Lugo De Jesus
Injection Time: 08/23/22 15:09 **Supervisor approved:** 08/24/22 12:17 Lindsay Ritner

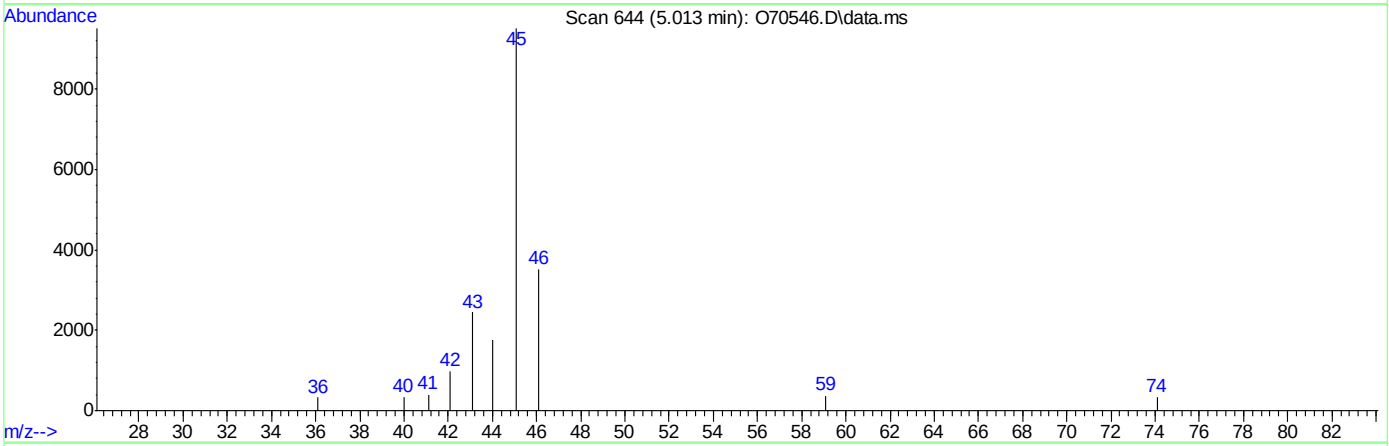
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(10) Ethanol

5.013min (-0.000) 622.74ug/L

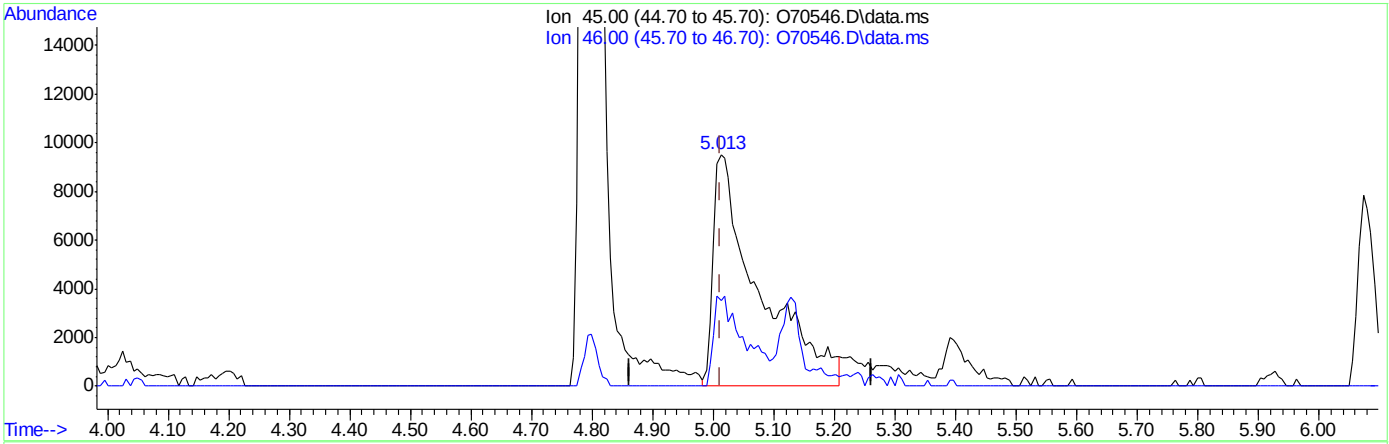
response 34474

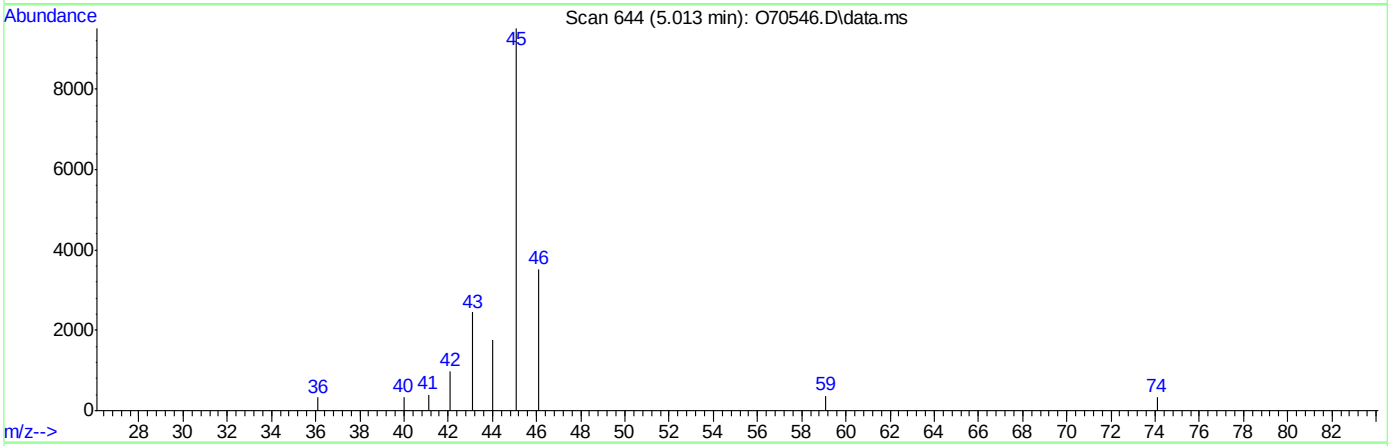
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	38.11
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(10) Ethanol

5.013min (-0.000) 900.14ug/L m

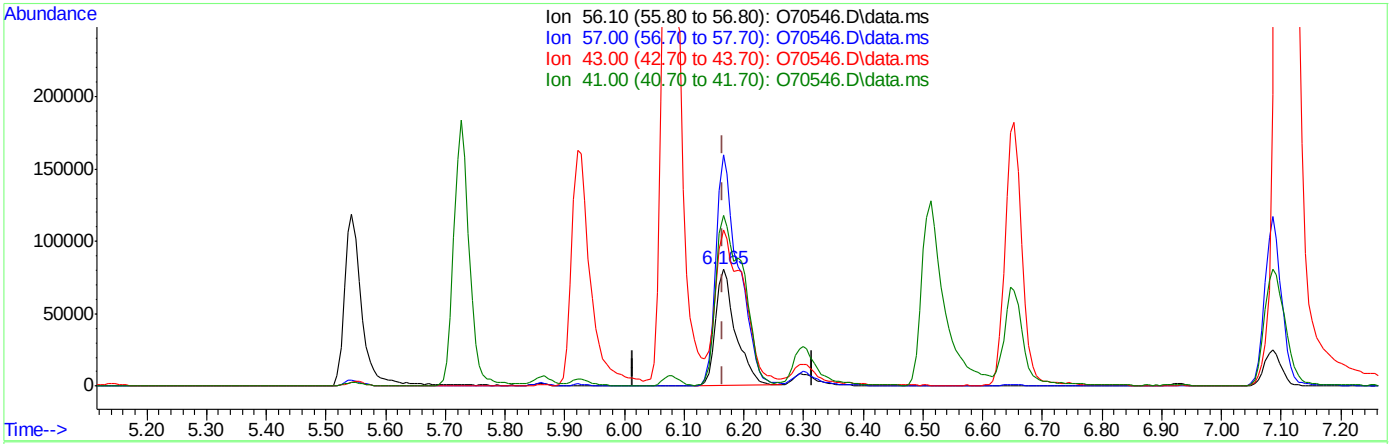
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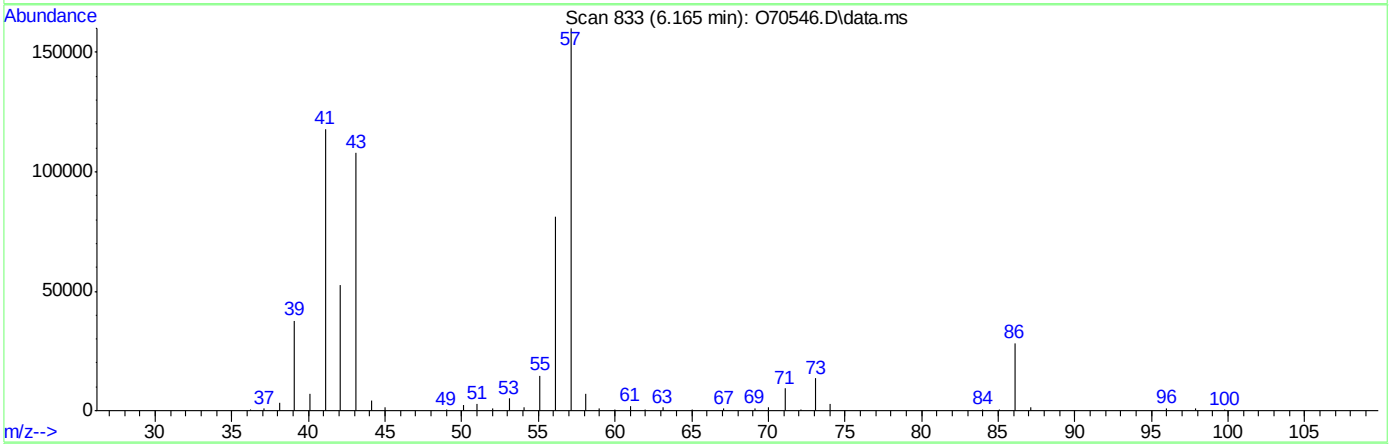
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	37.04
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(22) Hexane

6.165min (+0.000) 42.06ug/L

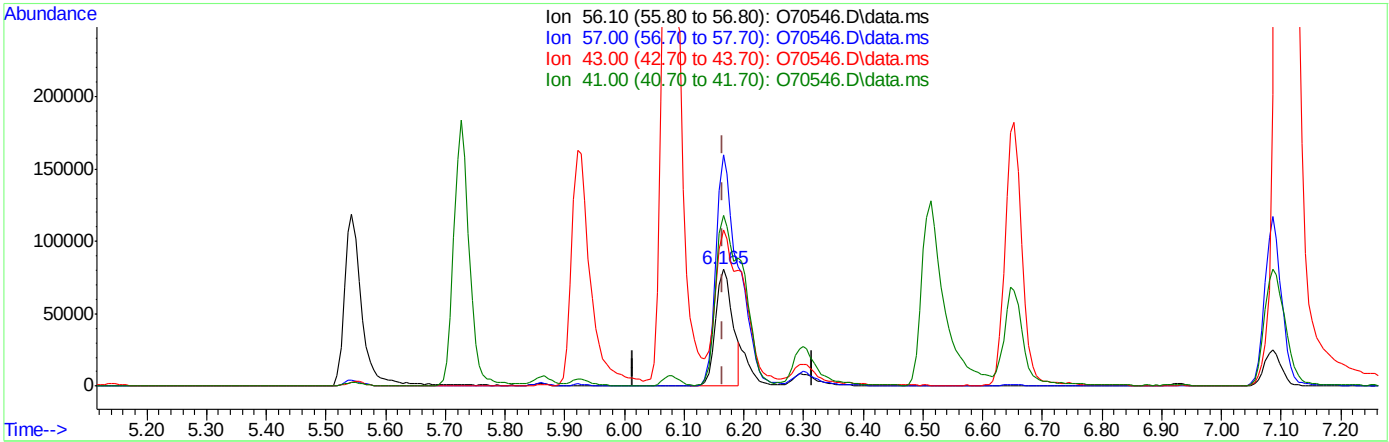
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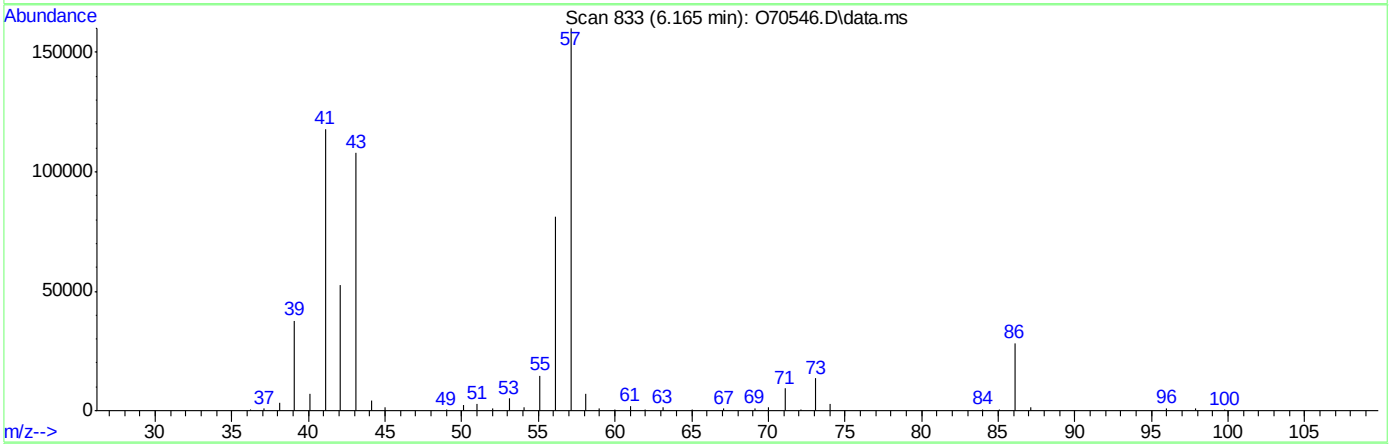
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	197.55
43.00	139.80	127.09
41.00	146.00	144.88

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(22) Hexane

6.165min (+0.000) 35.58ug/L m

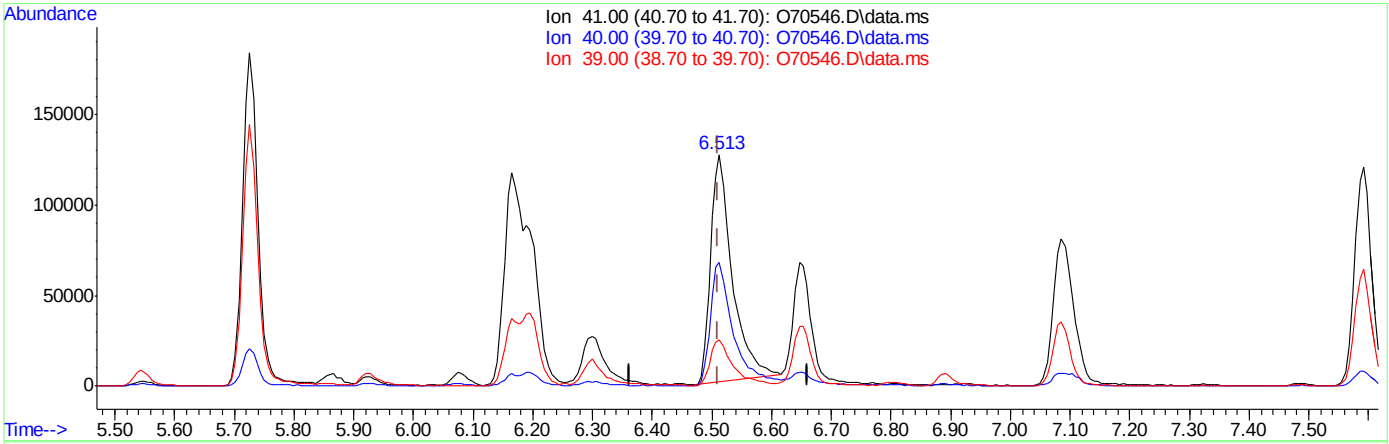
response 158211

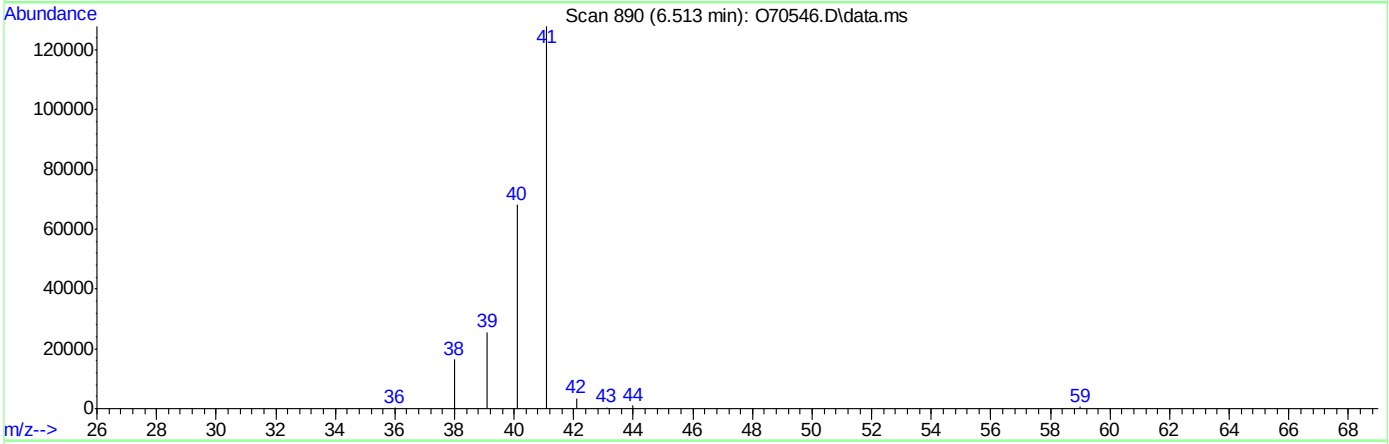
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	197.55
43.00	139.80	133.14
41.00	146.00	145.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 343.48ug/L

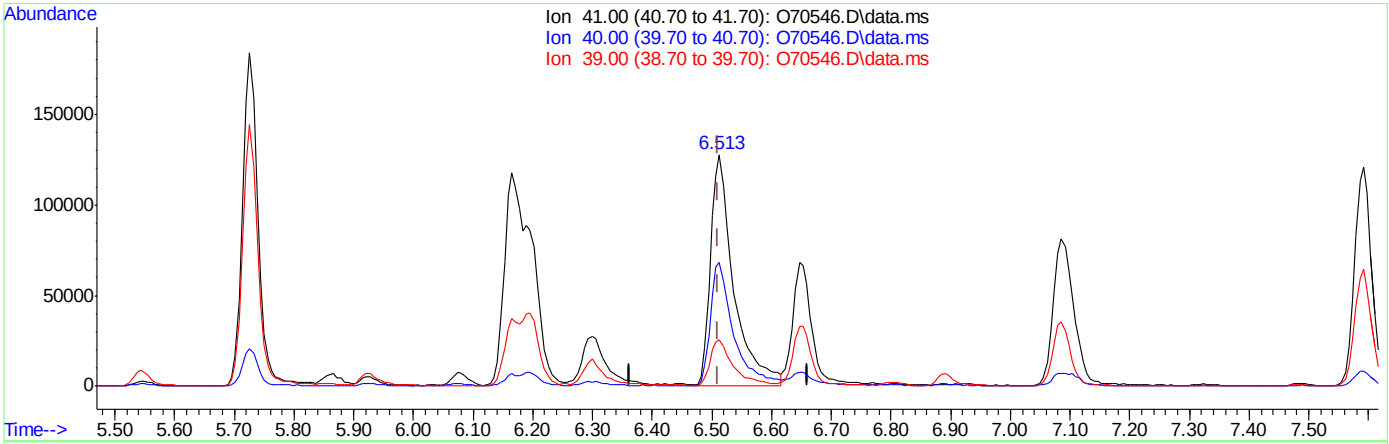
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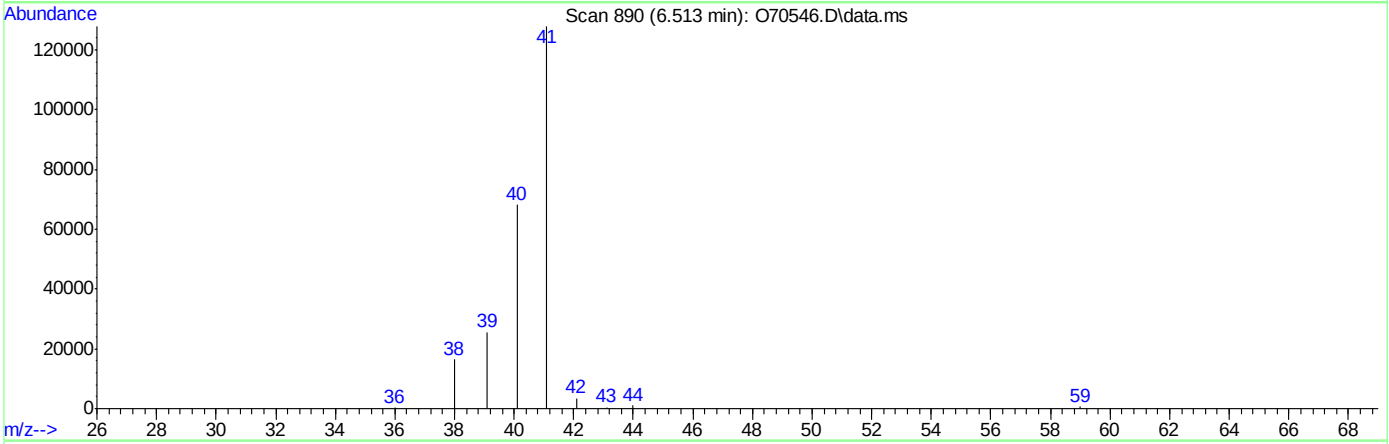
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.31
39.00	19.60	19.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 377.83ug/L m

response 345805

Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.25
39.00	19.60	20.01
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:17:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1774991	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1420892	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	729530	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	507914	50.98	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.96%			
50) 1,2-Dichloroethane-d4	8.549	65	508654	49.62	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.24%			
63) Toluene-d8	10.426	98	1761030	53.82	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 107.64%			
86) 4-Bromofluorobenzene	13.206	174	580200	51.03	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.06%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	419027	50.24	ug/L	97
3) Chloromethane	3.196	50	465853	54.44	ug/L	100
4) 1,3-butadiene	3.373	39	435242	55.67	ug/L	97
5) Vinyl Chloride	3.349	62	523489	56.22	ug/L	99
6) Bromomethane	3.897	94	260528	65.13	ug/L	98
7) Chloroethane	4.098	64	325528	63.84	ug/L	99
8) Trichlorofluoromethane	4.324	101	790284	59.88	ug/L	100
9) Ethyl Ether	4.799	59	389611	58.35	ug/L	98
10) Ethanol	5.013	45	89218m	1537.85	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	505274	58.19	ug/L	97
12) 1,1-Dichloroethene	5.080	61	722170	59.39	ug/L	99
13) Freon 113	5.141	101	472431	57.61	ug/L	92
14) Carbon Disulfide	5.123	76	1388933	62.17	ug/L	99
15) Iodomethane	5.281	142	425826	71.03	ug/L	98
16) Acrolein	5.543	56	487549	342.98	ug/L	100
17) Allyl chloride	5.726	41	599987	60.16	ug/L	96
18) Methylene Chloride	5.860	49	650084	53.91	ug/L	98
19) Acetone	5.921	43	714468	268.35	ug/L	100
20) Methyl acetate	6.074	43	1875936	284.43	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	714355	59.91	ug/L	98
22) Hexane	6.165	56	304364m	65.24	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	1238505	56.97	ug/L	98
24) Tert Butyl Alcohol	6.305	59	436144	533.71	ug/L	96
25) Acetonitrile	6.513	41	598000m	623.47	ug/L	
26) Di-isopropyl ether	6.653	45	1472092	61.49	ug/L	99
27) Chloroprene	6.805	53	132275	11.80	ug/L	99
28) 1,1-Dichloroethane	6.830	63	874950	57.99	ug/L	99
29) Acrylonitrile	6.891	52	804415	315.18	ug/L	99
30) ETBE	7.086	59	1463314	61.69	ug/L	99
31) Vinyl acetate	7.110	43	5276193	314.49	ug/L	100
32) cis-1,2-Dichloroethene	7.464	96	516098	58.89	ug/L	98
33) 2,2-Dichloropropane	7.592	77	714356	64.38	ug/L	99
34) Bromochloromethane	7.695	128	287067	58.65	ug/L	99
35) Cyclohexane	7.707	56	783431	61.55	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:17:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	905497	59.15	ug/L	99
37) Ethyl acetate	7.872	43	2423664	302.16	ug/L	99
38) Tetrahydrofuran	7.957	42	147345	54.02	ug/L	97
40) Carbon Tetrachloride	7.933	117	739569	61.90	ug/L	100
41) 1,1,1-Trichloroethane	8.006	97	829305	60.35	ug/L	99
42) 2-Butanone	8.092	43	1146295	279.83	ug/L	100
43) 1,1-Dichloropropene	8.140	75	675182	59.25	ug/L	98
44) tert-Butyl formate	8.244	59	1734388	327.68	ug/L	94
45) Propionitrile	8.421	54	779841	562.22	ug/L	95
46) Methacrylonitrile	8.445	41	3559146	569.89	ug/L	99
47) Benzene	8.409	78	1930606	58.66	ug/L	99
48) TAME	8.494	73	1240586	54.97	ug/L	99
49) Isobutyl alcohol	8.567	43	318077	998.07	ug/L	97
51) 1,2-Dichloroethane	8.622	62	725453	57.49	ug/L	98
52) Tert Amyl Alcohol	8.677	59	313893	543.53	ug/L	96
53) Trichloroethene	9.012	95	543128	58.24	ug/L	95
54) Methylcyclohexane	9.012	83	662169	63.76	ug/L	99
55) Dibromomethane	9.457	93	327493	56.38	ug/L	96
56) 1,2-Dichloropropane	9.555	63	495267	60.19	ug/L	99
57) Bromodichloromethane	9.603	83	644804	62.84	ug/L	100
58) Methyl methacrylate	9.725	41	429802	57.18	ug/L	98
59) 1,4-Dioxane	9.805	88	81223	1059.47	ug/L	96
60) 2-Chloroethyl vinyl ether	10.146	63	1768610	298.90	ug/L	99
61) cis-1,3-Dichloropropene	10.237	75	743735	65.75	ug/L	98
64) Toluene	10.481	91	2096823	66.14	ug/L	99
65) 2-Nitropropane	10.713	41	704944	399.41	ug/L	99
66) 4-Methyl-2-pentanone	10.829	43	2482425	323.43	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	664264	68.85	ug/L	91
68) Tetrachloroethene	10.884	166	625969	67.52	ug/L	99
69) Ethyl methacrylate	10.993	69	612226	64.60	ug/L	97
70) 1,1,2-Trichloroethane	11.048	83	374391	65.57	ug/L	97
71) Dibromochloromethane	11.243	129	566996	73.86	ug/L	99
72) 1,3-Dichloropropane	11.335	76	763779	65.31	ug/L	99
73) 1,2-Dibromoethane	11.505	107	491221	67.03	ug/L	99
74) 3,3-dimethyl-1-butanol	11.597	57	1962564	2835.97	ug/L	99
75) 2-hexanone	11.652	43	1716567	328.55	ug/L	99
76) 1-Chlorohexane	11.944	91	617928	75.85	ug/L	99
77) Ethylbenzene	12.005	91	2434869	68.13	ug/L	99
78) Chlorobenzene	12.011	112	1425239	67.12	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	527013	72.12	ug/L	100
80) m,p-Xylene	12.146	91	3776371	140.90	ug/L	99
81) o-Xylene	12.585	91	1816707	71.68	ug/L	97
82) Styrene	12.639	104	1398201	75.64	ug/L	99
83) Bromoform	12.700	173	362274	67.46	ug/L	98
84) Isopropylbenzene	12.889	105	2241466	71.67	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	190619	80.89	ug/L	92
88) n-Propylbenzene	13.310	91	2549933	76.61	ug/L	99
89) Bromobenzene	13.334	156	624950	72.47	ug/L	99
90) 1,1,2,2-Tetrachloroethane	13.377	83	617405	69.32	ug/L	97
91) 1,3,5-Trimethylbenzene	13.493	105	1883270	78.88	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:17:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

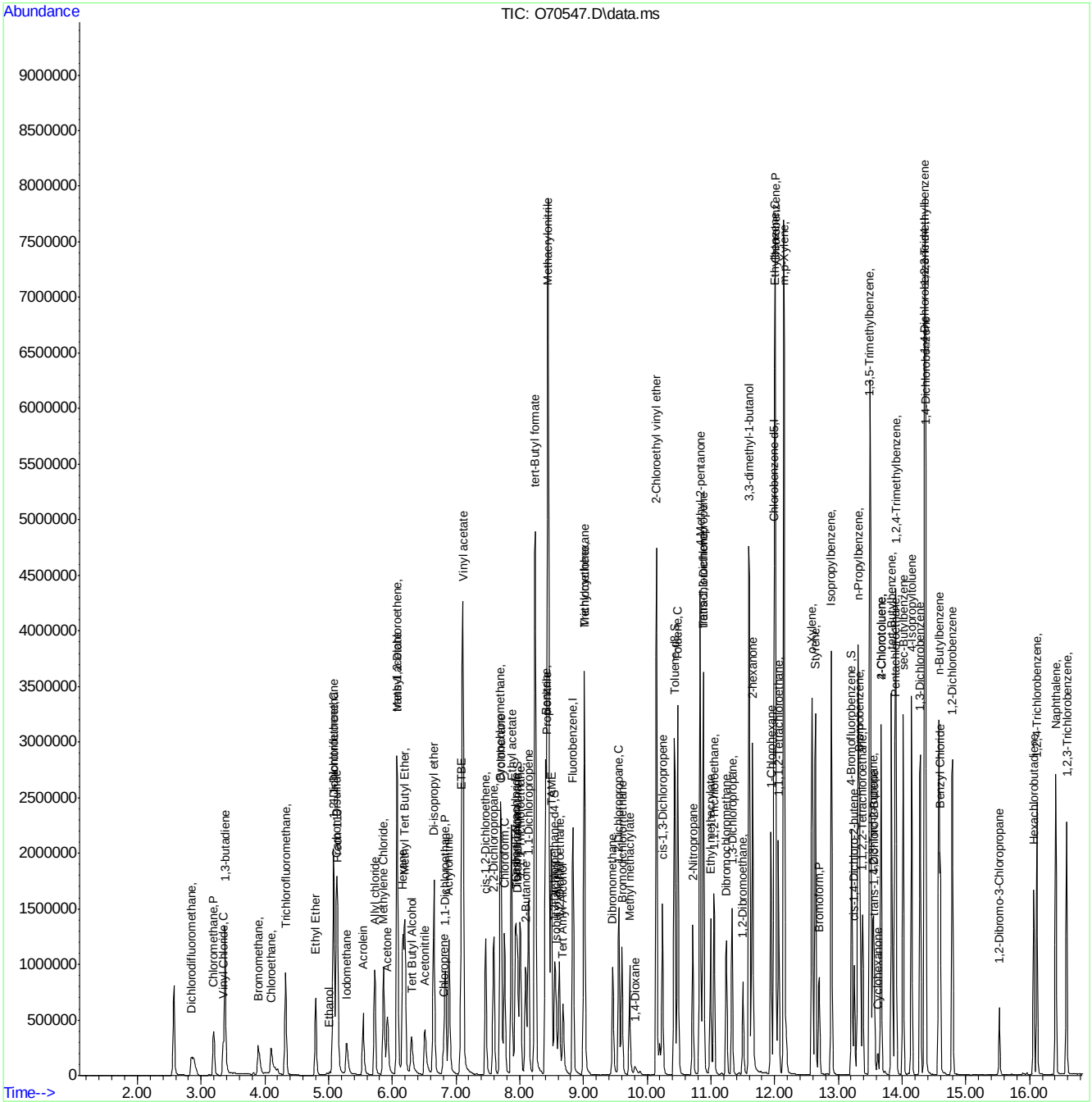
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	13.670	91	1584615	74.99	ug/L		99
93)	trans-1,4-Dichloro-2-B...	13.566	53	178003	80.11	ug/L		97
94)	1,2,3-Trichloropropane	13.542	110	200025	67.88	ug/L		98
95)	Cyclohexanone	13.621	55	73032	349.65	ug/L		95
96)	4-Chlorotoluene	13.670	91	1584615	74.99	ug/L		99
97)	tert-Butylbenzene	13.834	91	976206	76.46	ug/L		98
99)	1,2,4-Trimethylbenzene	13.901	105	1818330	78.72	ug/L		99
100)	Pentachloroethane	13.889	167	350153	82.32	ug/L		97
101)	sec-Butylbenzene	14.017	105	1964821	77.26	ug/L		99
102)	4-Isopropyltoluene	14.151	119	1780721	79.60	ug/L		99
103)	1,3-Dichlorobenzene	14.285	146	1092768	73.32	ug/L		99
104)	1,2,3-Trimethylbenzene	14.359	105	1857322	76.21	ug/L		99
105)	1,4-Dichlorobenzene	14.371	146	1173496	73.08	ug/L		98
106)	n-Butylbenzene	14.578	92	888895	81.53	ug/L		99
107)	Benzyl Chloride	14.596	126	239821	93.08	ug/L	#	86
108)	1,2-Dichlorobenzene	14.791	146	1039424	72.47	ug/L		98
109)	1,2-Dibromo-3-Chloropr...	15.529	75	107470	78.14	ug/L		92
110)	Hexachlorobutadiene	16.066	225	241626	84.47	ug/L		97
111)	1,2,4-Trichlorobenzene	16.114	180	643816	76.18	ug/L		96
112)	Naphthalene	16.413	128	1737555	71.27	ug/L		99
113)	1,2,3-Trichlorobenzene	16.584	180	621748	74.09	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:17:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

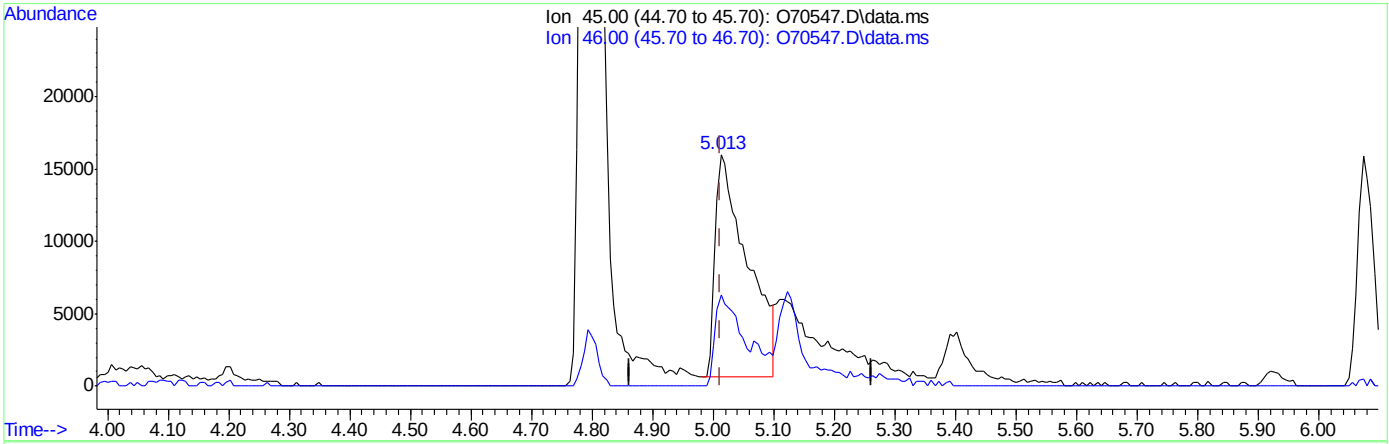
Sample Number: VO2796-IC2796
Lab FileID: O70547.D
Injection Time: 08/23/22 15:34
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

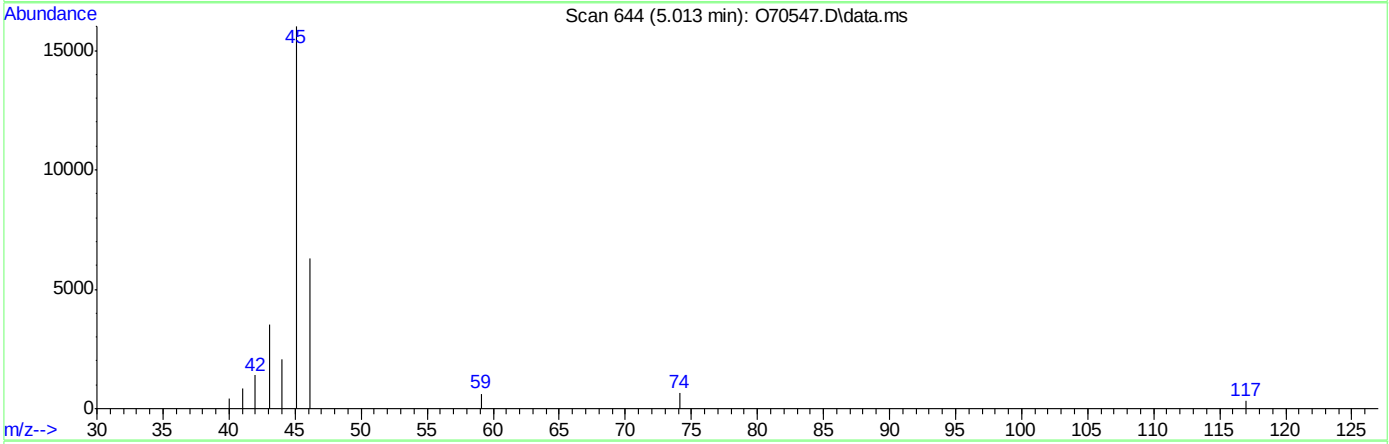
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(10) Ethanol

5.013min (-0.000) 975.29ug/L

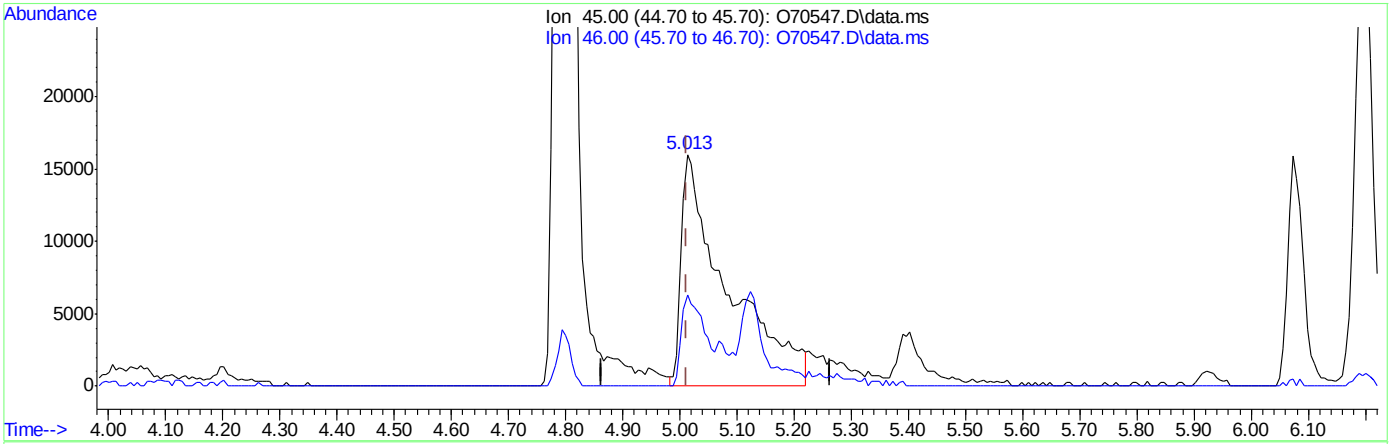
response 56581

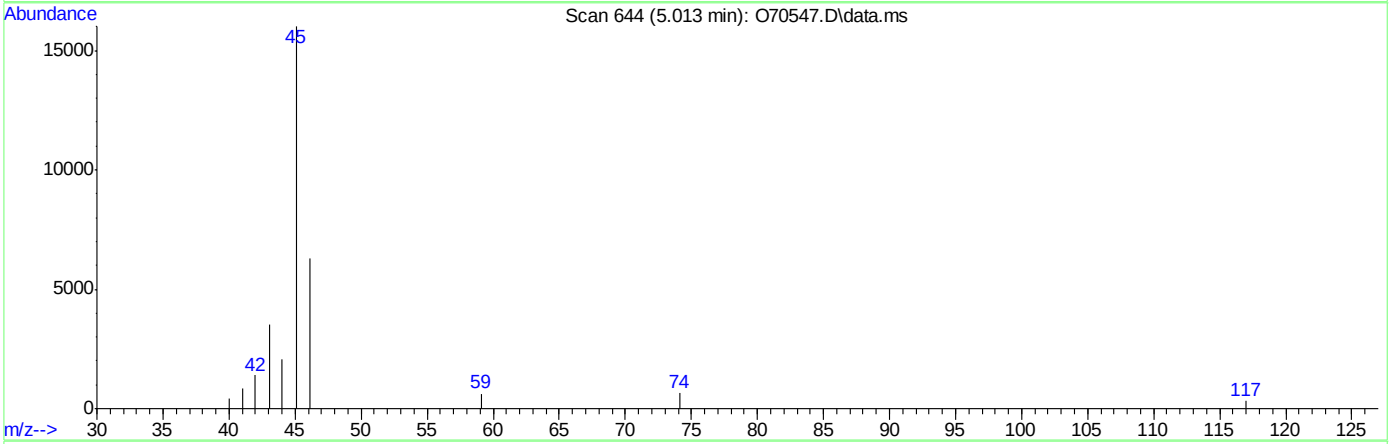
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	40.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(10) Ethanol

5.013min (-0.000) 1537.85ug/L m

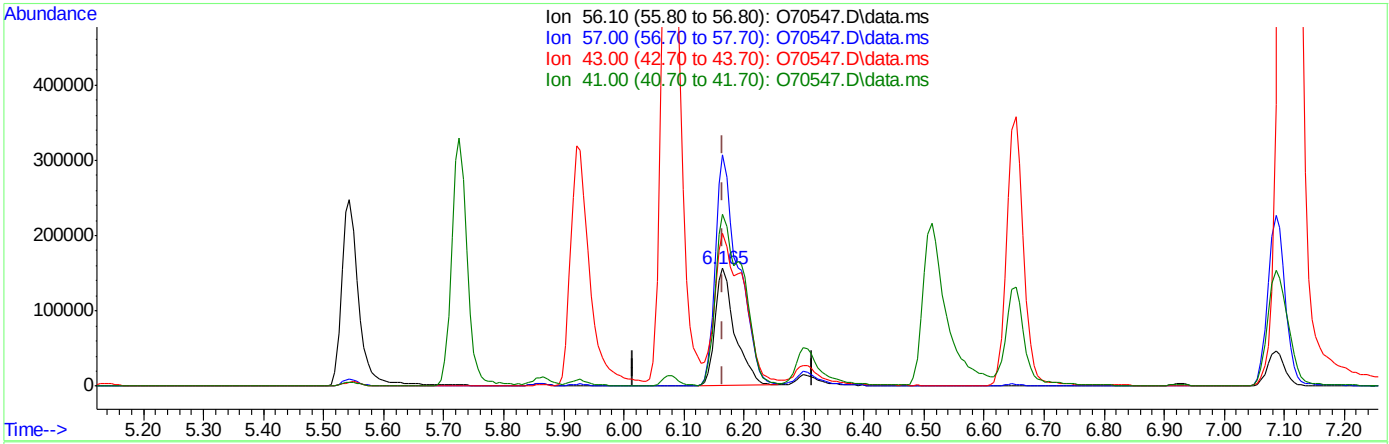
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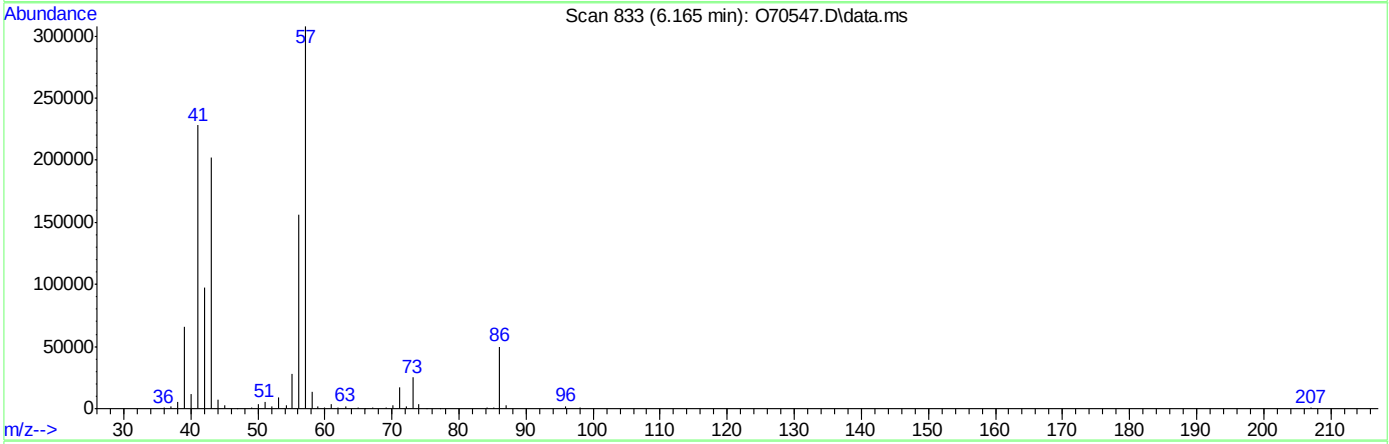
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	39.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(22) Hexane

6.165min (+0.000) 76.63ug/L

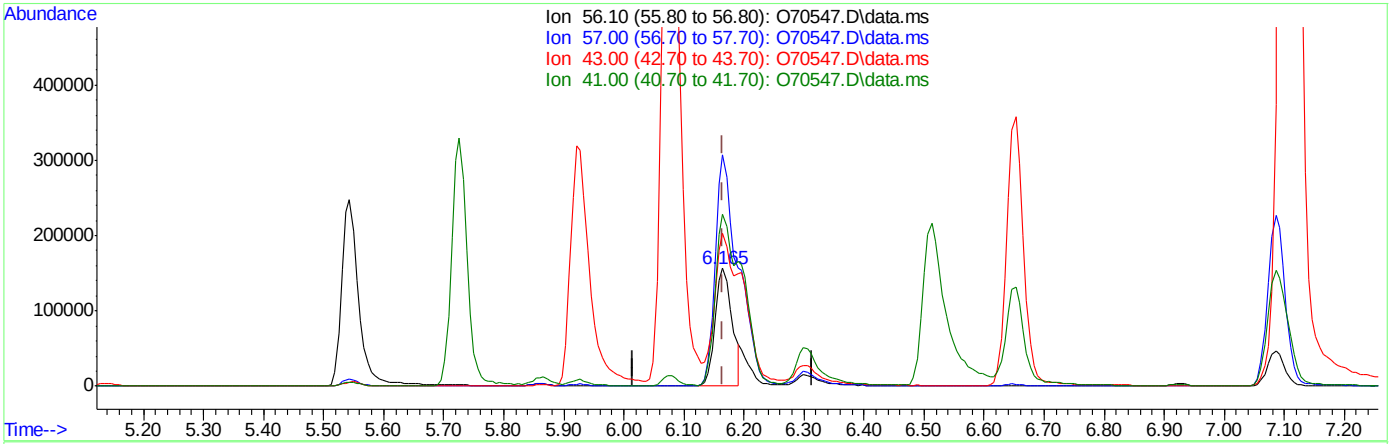
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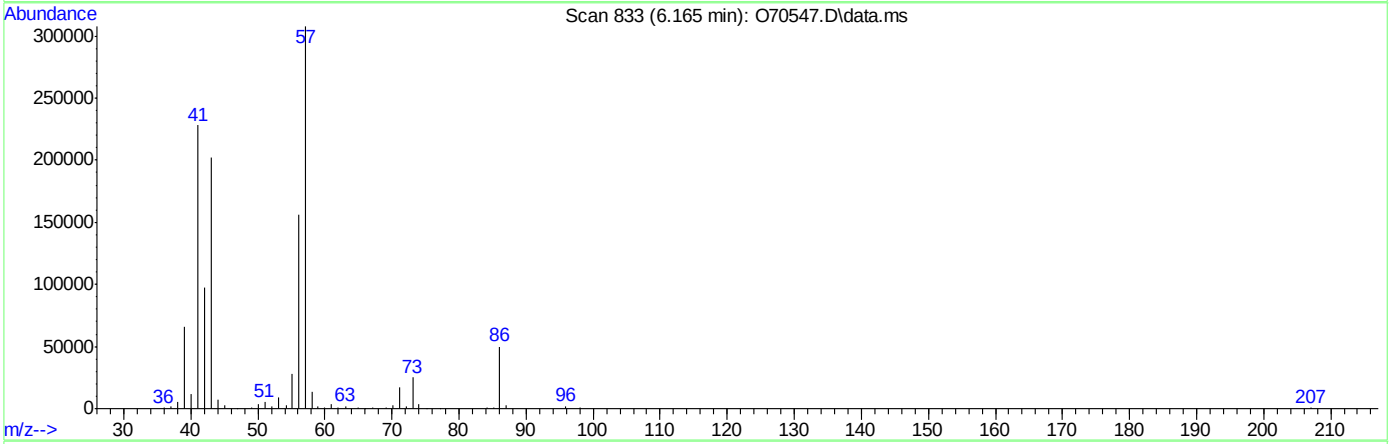
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	196.78
43.00	139.80	124.52
41.00	146.00	145.33

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(22) Hexane

6.165min (+0.000) 65.24ug/L m

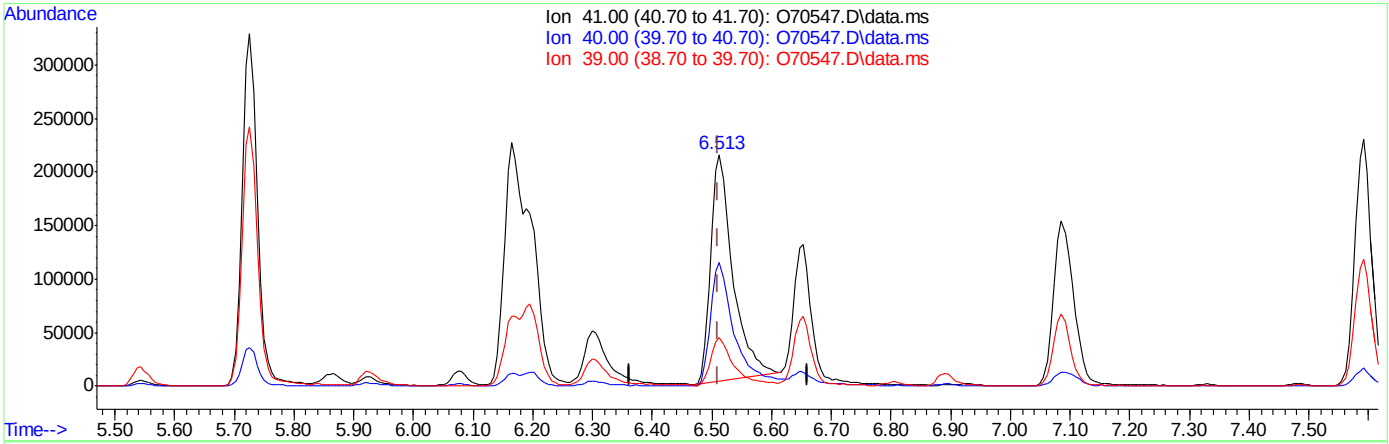
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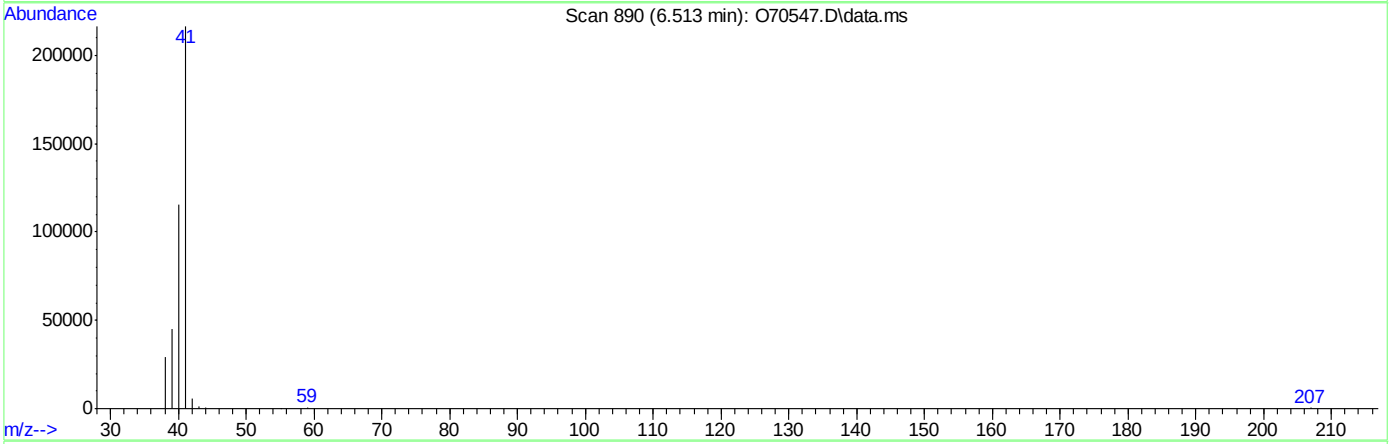
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	196.61
43.00	139.80	129.28
41.00	146.00	145.69

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 568.08ug/L

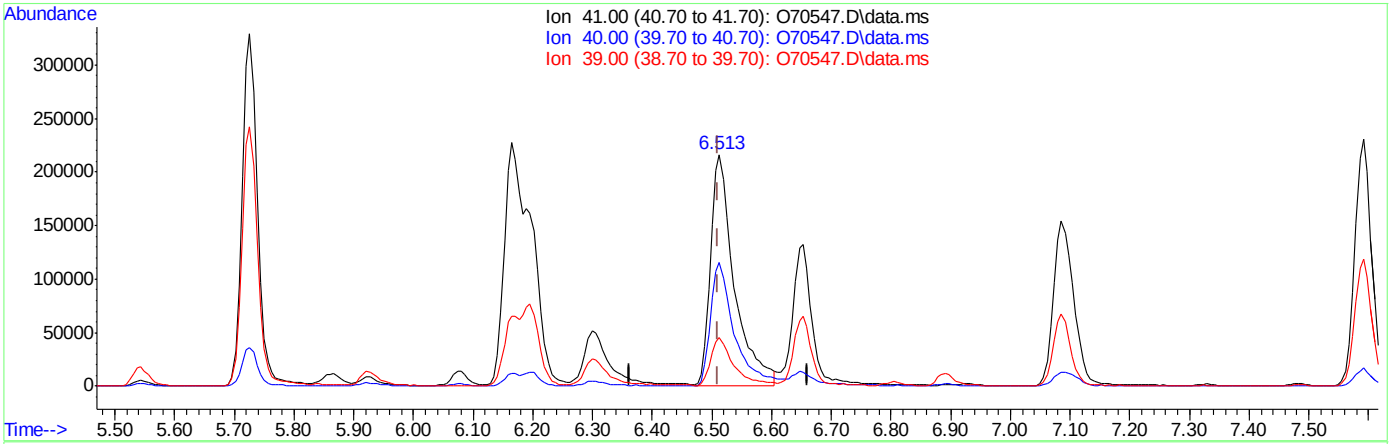
response 544872

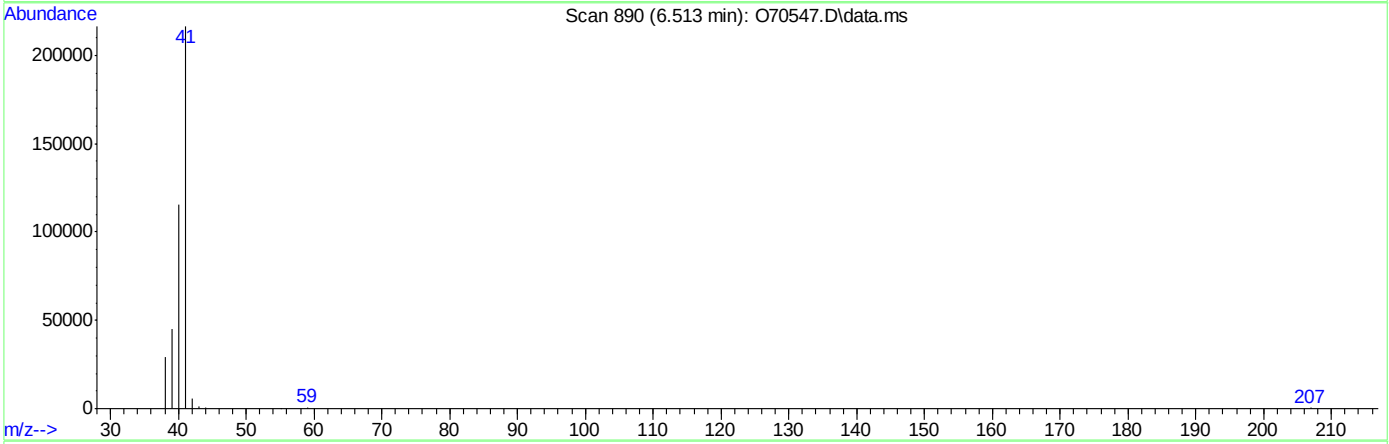
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.51
39.00	19.60	20.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 623.47ug/L m

response 598000

Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.36
39.00	19.60	20.76
0.00	0.00	0.00

O70548.D

Manual Integrations APPROVED (compounds with "m" flag)

Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:20:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1792330	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1458562	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	733718	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	513439	51.03	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.06%			
50) 1,2-Dichloroethane-d4	8.549	65	496191	47.94	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.88%			
63) Toluene-d8	10.427	98	1788478	53.25	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 106.50%			
86) 4-Bromofluorobenzene	13.213	174	580350	50.75	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.885	85	656360	77.94	ug/L	100
3) Chloromethane	3.202	50	714079	82.63	ug/L	99
4) 1,3-butadiene	3.379	39	660383	83.66	ug/L	98
5) Vinyl Chloride	3.349	62	806998	85.83	ug/L	100
6) Bromomethane	3.903	94	398815	94.46	ug/L	96
7) Chloroethane	4.111	64	363894	74.48	ug/L	96
8) Trichlorofluoromethane	4.324	101	1241226	93.14	ug/L	100
9) Ethyl Ether	4.800	59	560677	83.15	ug/L	99
10) Ethanol	5.025	45	135376m	2310.90	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.080	67	731248	83.40	ug/L	99
12) 1,1-Dichloroethene	5.086	61	1050500	85.55	ug/L	98
13) Freon 113	5.141	101	695933	84.04	ug/L	95
14) Carbon Disulfide	5.129	76	2024502	86.13	ug/L	100
15) Iodomethane	5.287	142	623608	91.53	ug/L	99
16) Acrolein	5.543	56	730643	509.02	ug/L	99
17) Allyl chloride	5.726	41	901414	86.74	ug/L	97
18) Methylene Chloride	5.867	49	920045	75.56	ug/L	98
19) Acetone	5.927	43	1091404	405.96	ug/L	98
20) Methyl acetate	6.080	43	2817544	423.06	ug/L	100
21) trans-1,2-Dichloroethene	6.074	61	1028494	85.42	ug/L	97
22) Hexane	6.165	56	432800m	91.79	ug/L	
23) Methyl Tert Butyl Ether	6.202	73	1815713	82.71	ug/L	96
24) Tert Butyl Alcohol	6.305	59	669875	811.79	ug/L	94
25) Acetonitrile	6.519	41	910562m	940.16	ug/L	
26) Di-isopropyl ether	6.653	45	2135729	88.34	ug/L	98
27) Chloroprene	6.805	53	204616	18.08	ug/L	97
28) 1,1-Dichloroethane	6.836	63	1262378	82.86	ug/L	100
29) Acrylonitrile	6.891	52	1206696	468.22	ug/L	99
30) ETBE	7.092	59	2129797	88.92	ug/L	98
31) Vinyl acetate	7.110	43	7772035	458.78	ug/L	99
32) cis-1,2-Dichloroethene	7.470	96	743212	83.98	ug/L	99
33) 2,2-Dichloropropane	7.592	77	1040884	92.90	ug/L	99
34) Bromochloromethane	7.695	128	409121	82.78	ug/L	97
35) Cyclohexane	7.708	56	1164252	90.59	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:20:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	1307483	84.59	ug/L	99
37) Ethyl acetate	7.872	43	3663255	452.28	ug/L	99
38) Tetrahydrofuran	7.958	42	220896	78.27	ug/L	96
40) Carbon Tetrachloride	7.939	117	1083963	89.84	ug/L	98
41) 1,1,1-Trichloroethane	8.012	97	1204612	86.82	ug/L	98
42) 2-Butanone	8.098	43	1750186	423.12	ug/L	98
43) 1,1-Dichloropropene	8.140	75	977984	84.99	ug/L	98
44) tert-Butyl formate	8.244	59	2590988	453.42	ug/L	95
45) Propionitrile	8.427	54	1193512	852.12	ug/L	94
46) Methacrylonitrile	8.445	41	5297306	840.00	ug/L	99
47) Benzene	8.409	78	2795676	84.12	ug/L	99
48) TAME	8.494	73	1808107	79.35	ug/L	98
49) Isobutyl alcohol	8.573	43	488571	1462.70	ug/L	95
51) 1,2-Dichloroethane	8.622	62	1029446	80.79	ug/L	99
52) Tert Amyl Alcohol	8.683	59	491509	842.86	ug/L	95
53) Trichloroethene	9.018	95	787198	83.60	ug/L	100
54) Methylcyclohexane	9.012	83	995656	94.94	ug/L	99
55) Dibromomethane	9.463	93	471248	80.34	ug/L	98
56) 1,2-Dichloropropane	9.555	63	713031	85.82	ug/L	99
57) Bromodichloromethane	9.604	83	953309	92.01	ug/L	99
58) Methyl methacrylate	9.726	41	649623	80.79	ug/L	99
59) 1,4-Dioxane	9.811	88	117320	1518.21	ug/L	98
60) 2-Chloroethyl vinyl ether	10.146	63	2647753	420.35	ug/L	99
61) cis-1,3-Dichloropropene	10.244	75	1086272	95.11	ug/L	99
64) Toluene	10.481	91	3055849	93.90	ug/L	100
65) 2-Nitropropane	10.713	41	1057339	583.60	ug/L	98
66) 4-Methyl-2-pentanone	10.829	43	3800047	474.21	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	977393	98.69	ug/L	91
68) Tetrachloroethene	10.884	166	921216	96.80	ug/L	99
69) Ethyl methacrylate	10.994	69	934593	91.68	ug/L	98
70) 1,1,2-Trichloroethane	11.048	83	536918	91.60	ug/L	98
71) Dibromochloromethane	11.243	129	836811	106.19	ug/L	99
72) 1,3-Dichloropropane	11.335	76	1107279	92.24	ug/L	100
73) 1,2-Dibromoethane	11.506	107	715404	95.10	ug/L	100
74) 3,3-dimethyl-1-butanol	11.603	57	3146108	4082.14	ug/L	99
75) 2-hexanone	11.658	43	2658574	495.70	ug/L	99
76) 1-Chlorohexane	11.945	91	913746	109.27	ug/L	99
77) Ethylbenzene	12.006	91	3557293	96.96	ug/L	99
78) Chlorobenzene	12.012	112	2093374	96.04	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.067	131	772424	102.97	ug/L	98
80) m,p-Xylene	12.146	91	5544799	201.54	ug/L	99
81) o-Xylene	12.591	91	2655639	102.08	ug/L	98
82) Styrene	12.640	104	2075837	109.40	ug/L	99
83) Bromoform	12.701	173	548542	92.35	ug/L	99
84) Isopropylbenzene	12.890	105	3303052	102.88	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	293234	123.73	ug/L	87
88) n-Propylbenzene	13.310	91	3757274	112.24	ug/L	100
89) Bromobenzene	13.335	156	907458	104.63	ug/L	98
90) 1,1,2,2-Tetrachloroethane	13.383	83	903464	100.85	ug/L	98
91) 1,3,5-Trimethylbenzene	13.493	105	2786418	116.05	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:20:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

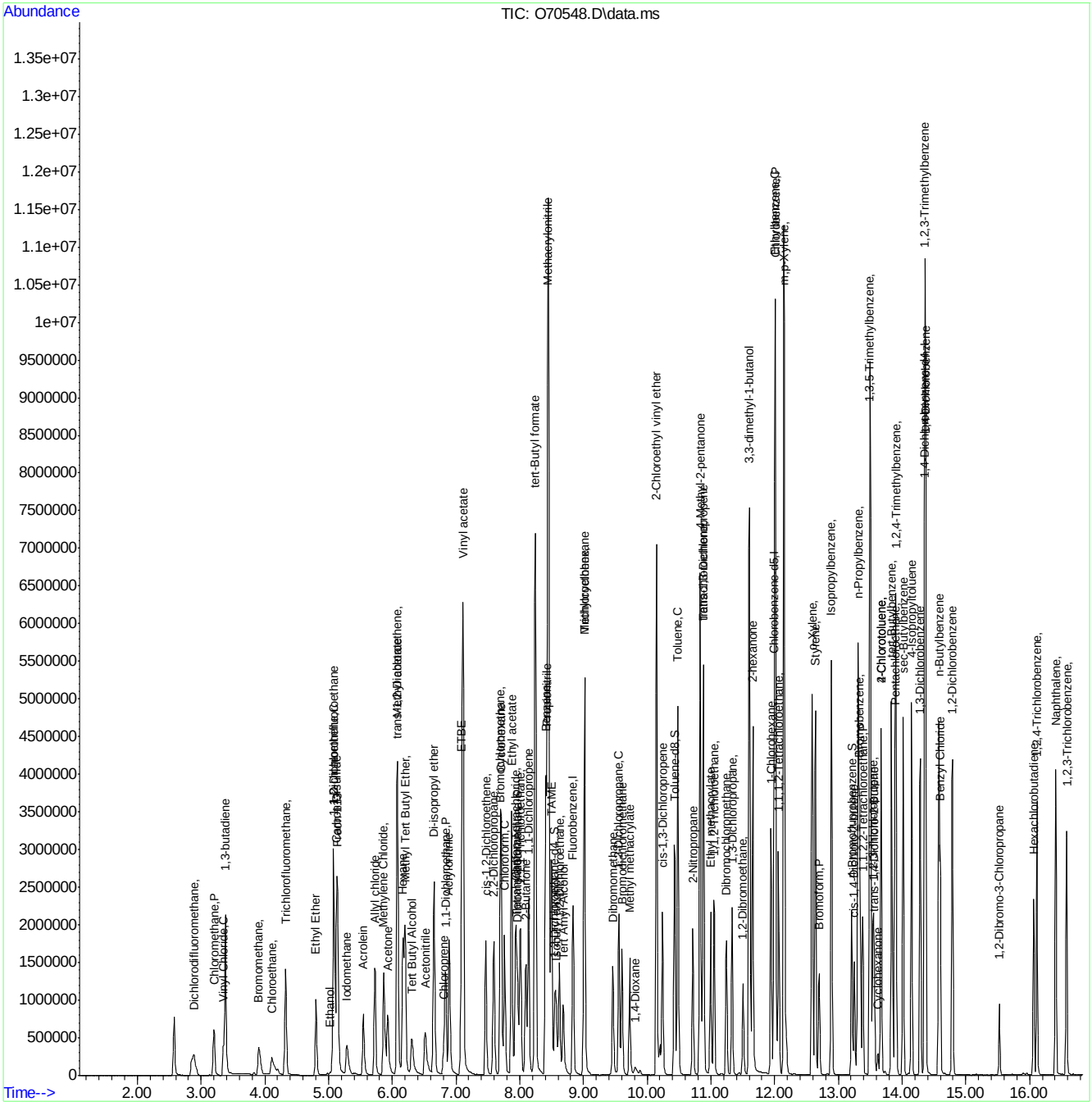
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	2312995	108.83	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.566	53	266612	119.31	ug/L		96
94) 1,2,3-Trichloropropane	13.542	110	290792	98.12	ug/L		98
95) Cyclohexanone	13.621	55	108869	516.54	ug/L		93
96) 4-Chlorotoluene	13.670	91	2312995	108.83	ug/L		99
97) tert-Butylbenzene	13.834	91	1428441	111.24	ug/L		99
99) 1,2,4-Trimethylbenzene	13.902	105	2657432	114.40	ug/L		99
100) Pentachloroethane	13.889	167	530003	123.89	ug/L		99
101) sec-Butylbenzene	14.017	105	2888845	112.95	ug/L		99
102) 4-Isopropyltoluene	14.151	119	2601396	115.61	ug/L		99
103) 1,3-Dichlorobenzene	14.286	146	1597947	106.60	ug/L		99
104) 1,2,3-Trimethylbenzene	14.359	105	2720464	110.99	ug/L		99
105) 1,4-Dichlorobenzene	14.371	146	1719253	106.46	ug/L		98
106) n-Butylbenzene	14.578	92	1312064	119.66	ug/L		99
107) Benzyl Chloride	14.597	126	365363	141.00	ug/L	#	85
108) 1,2-Dichlorobenzene	14.792	146	1518997	105.29	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	15.529	75	165068	119.33	ug/L		91
110) Hexachlorobutadiene	16.066	225	338392	121.06	ug/L		97
111) 1,2,4-Trichlorobenzene	16.115	180	920117	108.25	ug/L		99
112) Naphthalene	16.413	128	2584913	100.56	ug/L		99
113) 1,2,3-Trichlorobenzene	16.584	180	881482	104.44	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:20:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

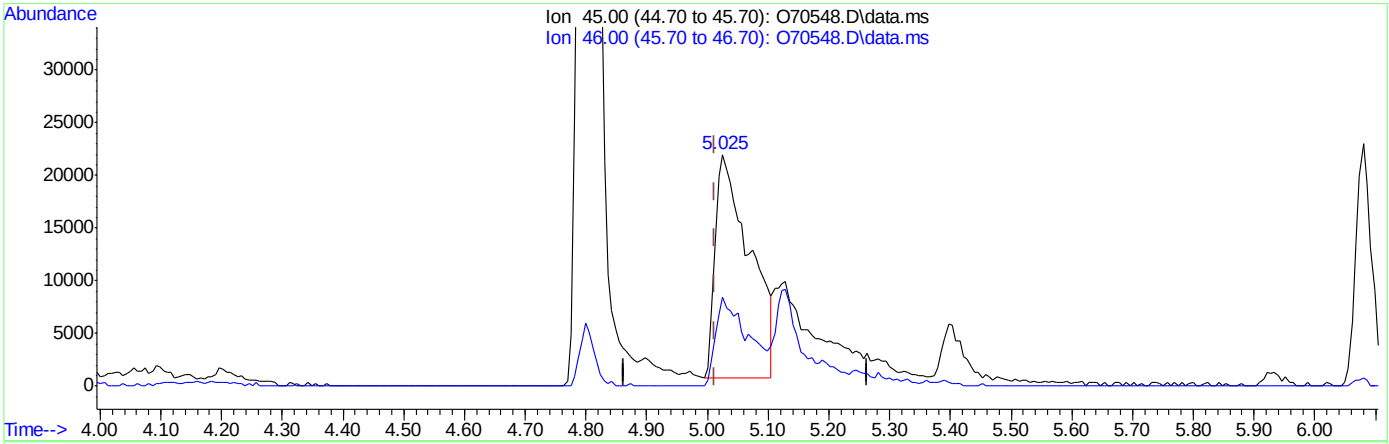
Sample Number: VO2796-IC2796
Lab FileID: O70548.D
Injection Time: 08/23/22 15:59
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

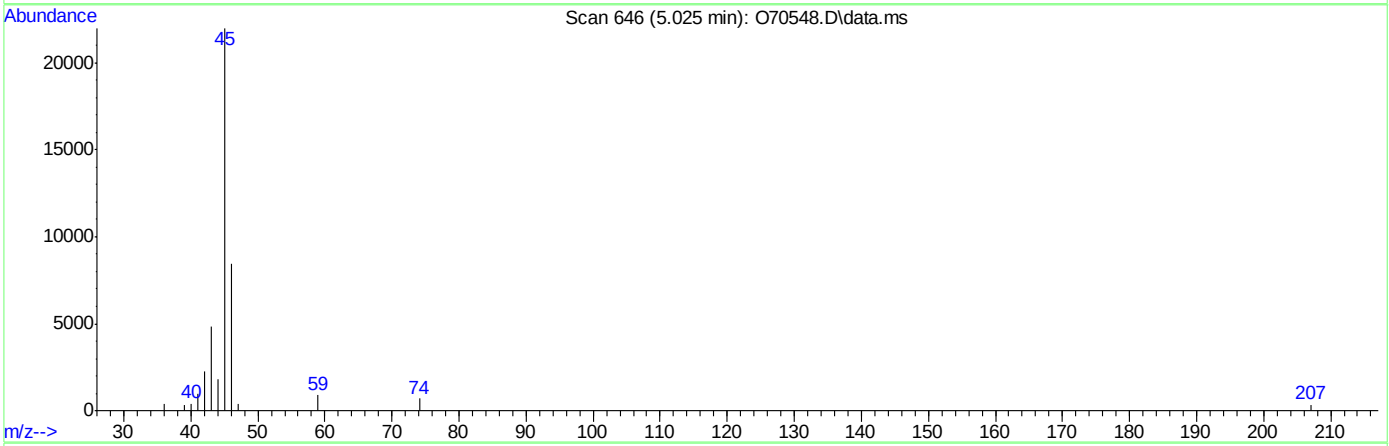
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.03	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.52	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(10) Ethanol

5.025min (+0.012) 1425.86ug/L

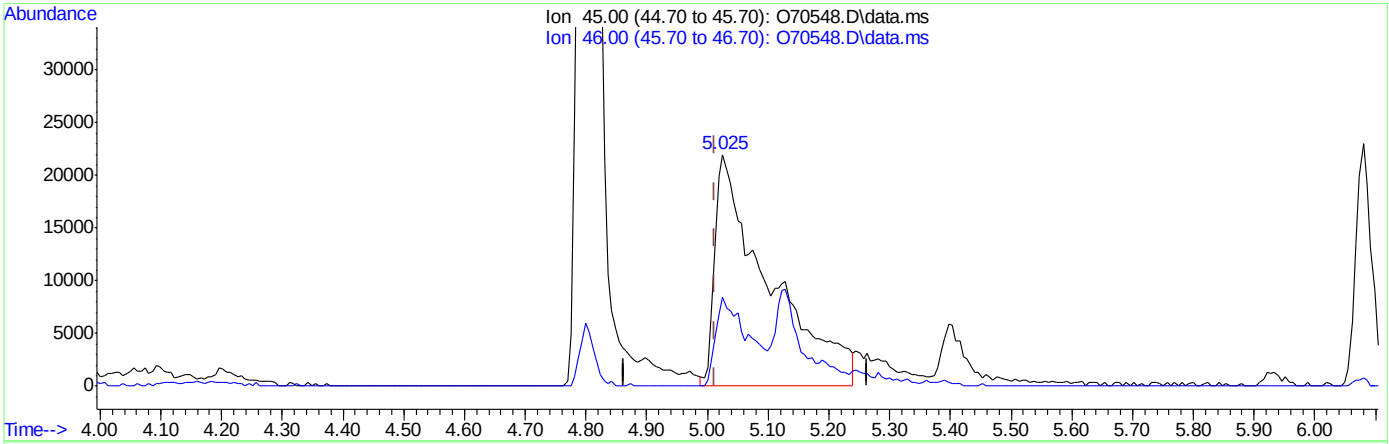
response 83529

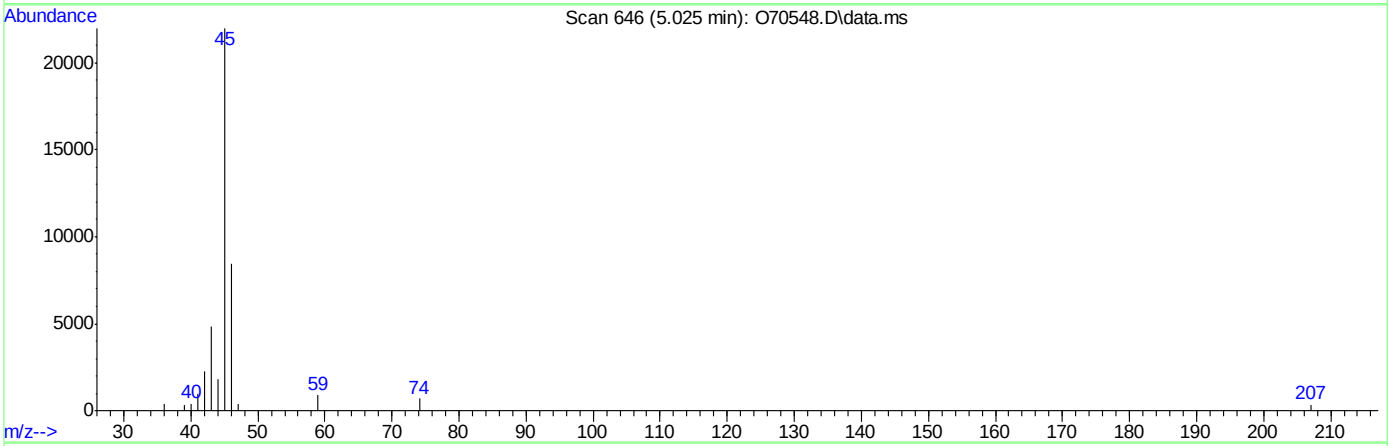
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	39.98
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(10) Ethanol

5.025min (+0.012) 2310.90ug/L m

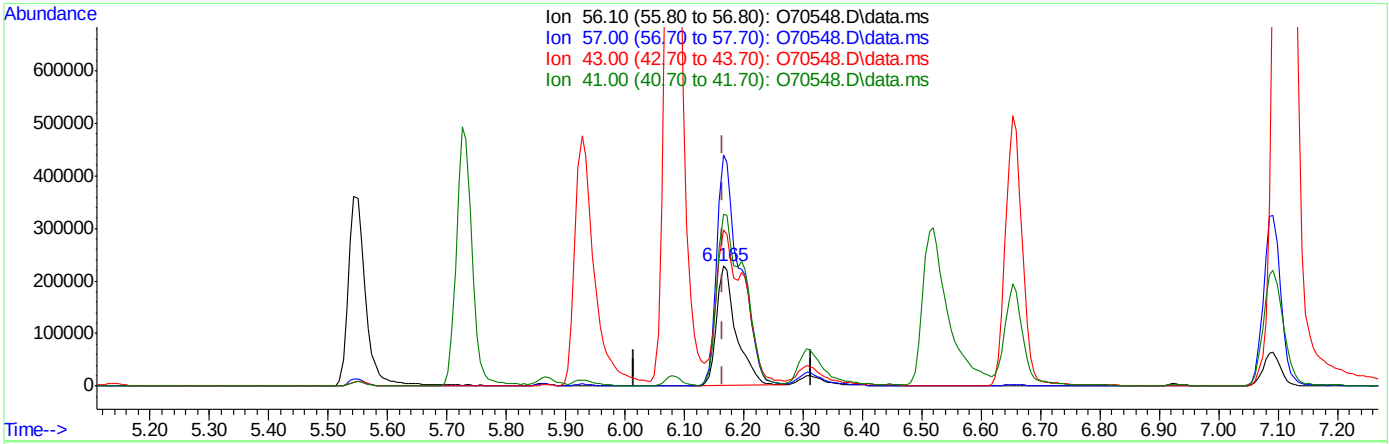
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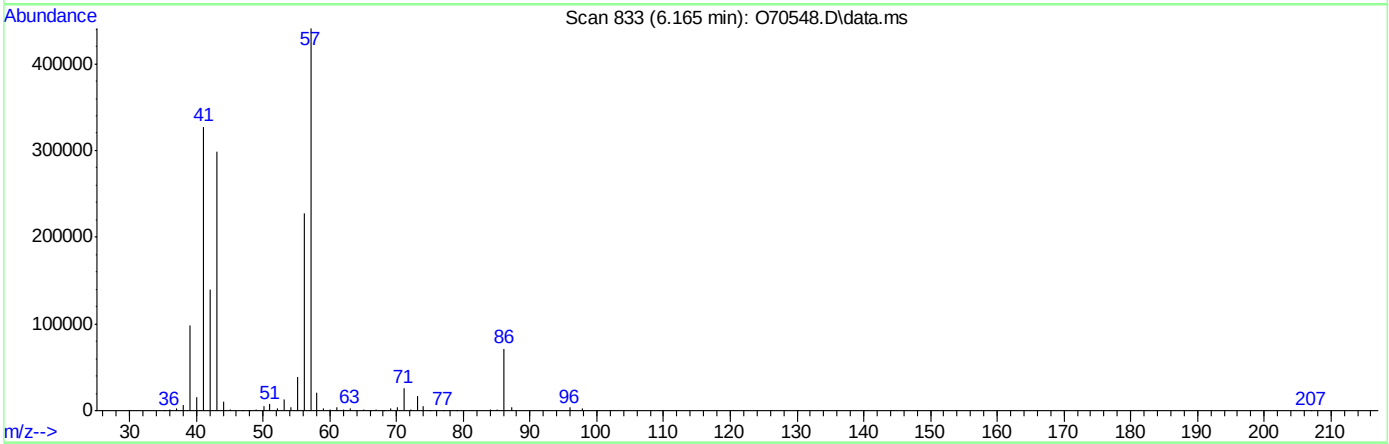
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	38.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(22) Hexane

6.165min (+0.000) 111.20ug/L

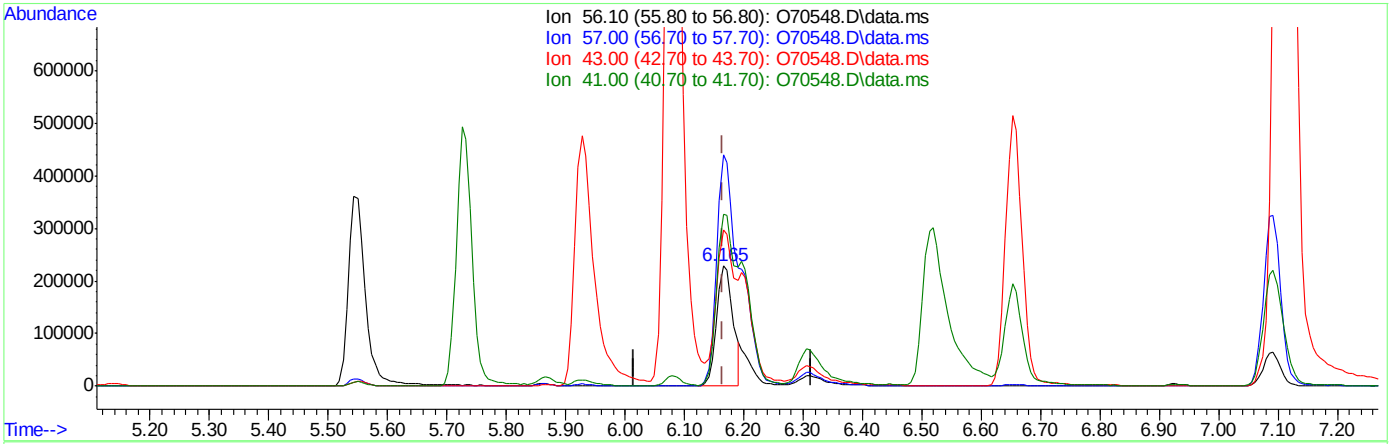
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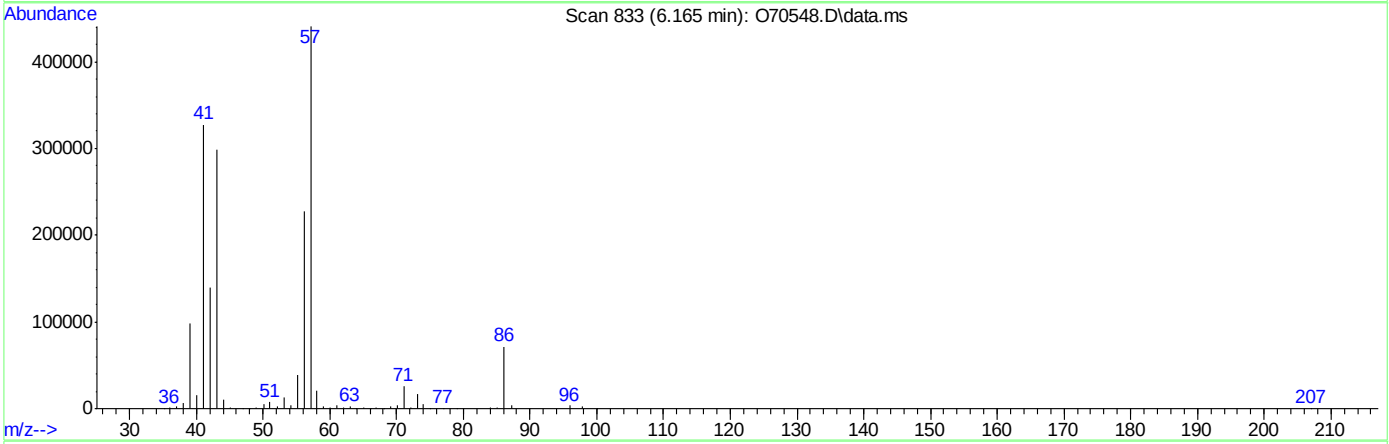
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	193.18
43.00	139.80	126.23
41.00	146.00	142.47

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(22) Hexane

6.165min (+0.000) 91.79ug/L m

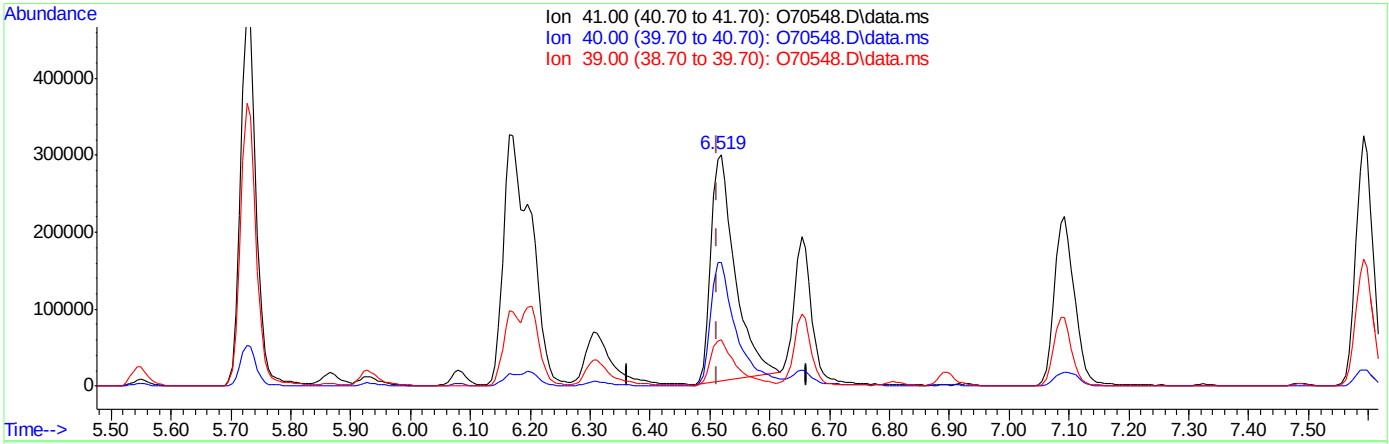
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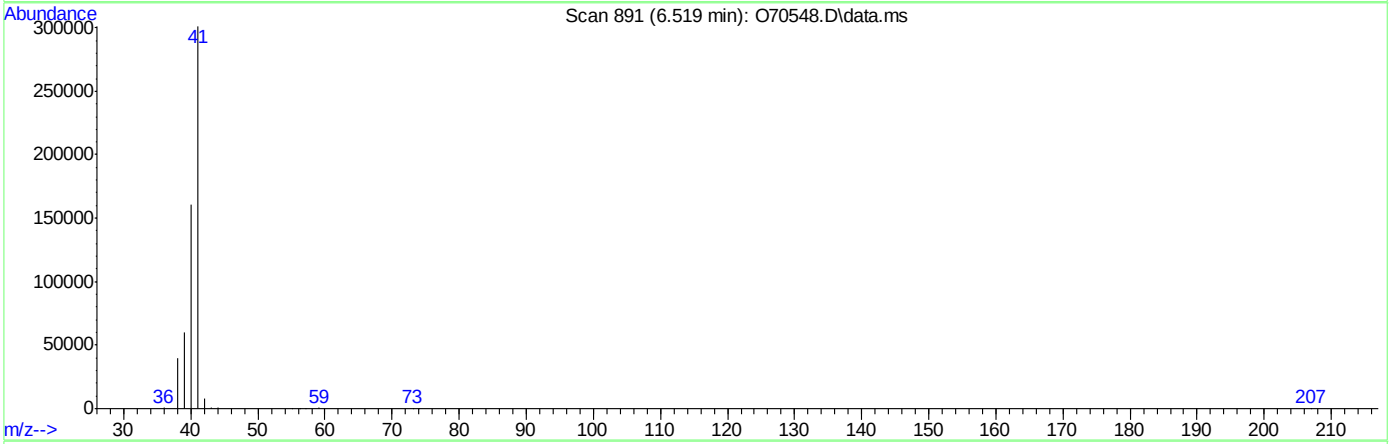
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	193.18
43.00	139.80	130.60
41.00	146.00	143.53

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 851.78ug/L

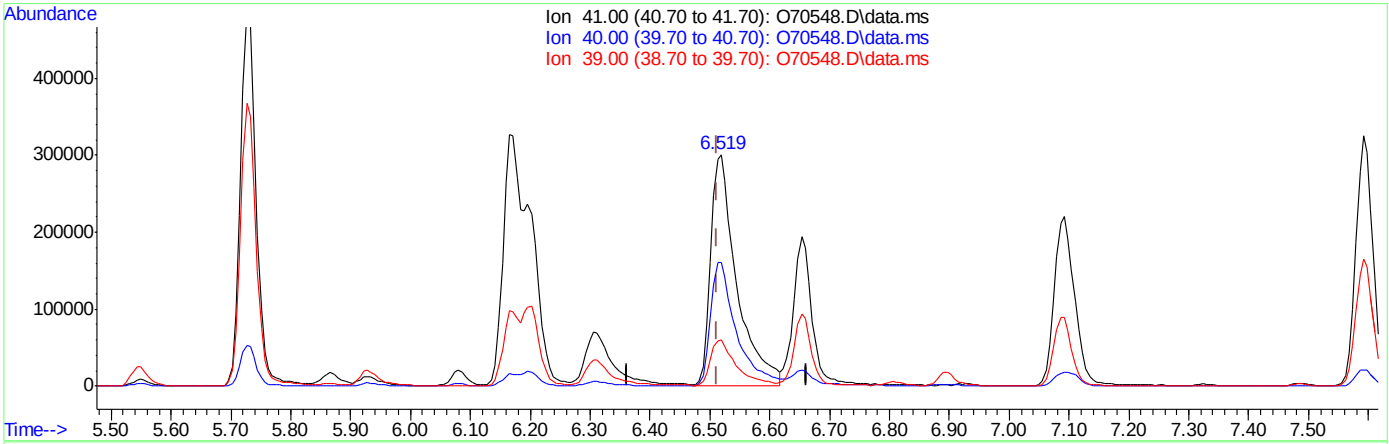
response 824968

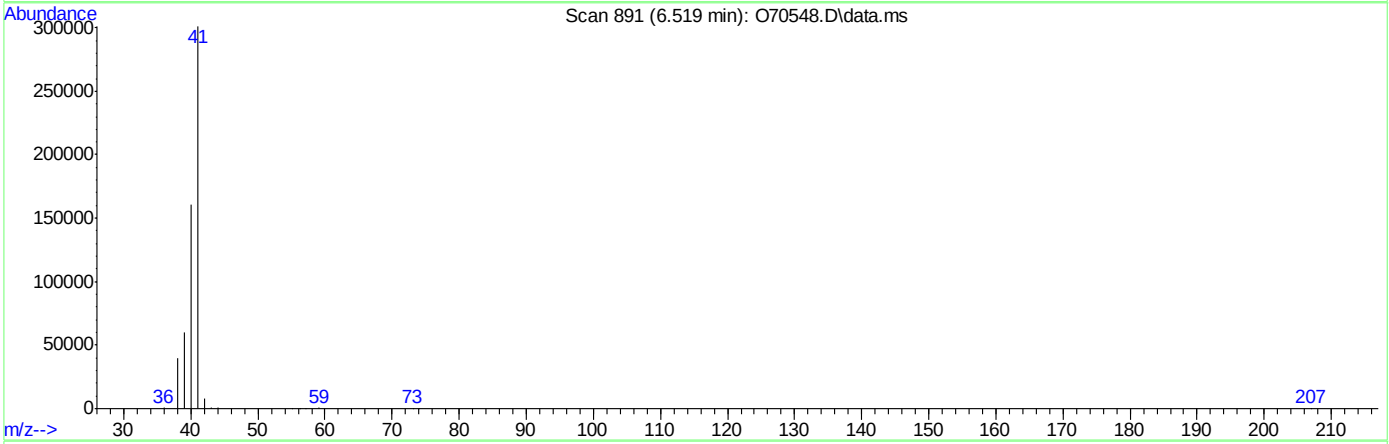
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.56
39.00	19.60	19.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 940.16ug/L m

response 910562

Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.38
39.00	19.60	20.04
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:41:05 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1807336	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1438794	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	742210	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	522026	51.17	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.34%			
50) 1,2-Dichloroethane-d4	8.549	65	525850	50.10	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.20%			
63) Toluene-d8	10.426	98	1791806	49.67	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.34%			
86) 4-Bromofluorobenzene	13.206	174	597104	50.24	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	220472	34.19	ug/L	98
3) Chloromethane	3.196	50	270509	37.72	ug/L	99
4) 1,3-butadiene	3.379	39	231919	34.47	ug/L	97
5) Vinyl Chloride	3.349	62	292026	36.24	ug/L	98
6) Bromomethane	3.897	94	146871	36.69	ug/L	99
7) Chloroethane	4.098	64	188946	36.45	ug/L	97
8) Trichlorofluoromethane	4.330	101	454106	35.43	ug/L	97
9) Ethyl Ether	4.799	59	214142	37.55	ug/L	99
10) Ethanol	5.019	45	43699m	682.91	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	315077	42.75	ug/L	97
12) 1,1-Dichloroethene	5.080	61	415276	40.16	ug/L	99
13) Freon 113	5.141	101	263846	39.81	ug/L	99
14) Carbon Disulfide	5.123	76	648536	34.53	ug/L	99
15) Iodomethane	5.287	142	117181	28.57	ug/L	97
16) Acrolein	5.543	56	251878	180.72	ug/L	100
17) Allyl chloride	5.726	41	348203	40.47	ug/L	98
18) Methylene Chloride	5.866	49	368250	38.16	ug/L	99
19) Acetone	5.927	43	449587	215.26	ug/L	100
20) Methyl acetate	6.080	43	1107858	206.14	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	392756	38.09	ug/L	98
22) Hexane	6.165	56	177436m	42.79	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	830589	46.23	ug/L	98
24) Tert Butyl Alcohol	6.299	59	234414	355.86	ug/L	97
25) Acetonitrile	6.513	41	320059m	355.69	ug/L	
26) Di-isopropyl ether	6.653	45	842817	39.94	ug/L	99
27) Chloroprene	6.805	53	373068	166.31	ug/L	98
28) 1,1-Dichloroethane	6.836	63	514903	40.44	ug/L	99
29) Acrylonitrile	6.891	52	478802	209.62	ug/L	98
30) ETBE	7.086	59	766750	37.47	ug/L	99
31) Vinyl acetate	7.110	43	3076665	219.21	ug/L	100
32) cis-1,2-Dichloroethene	7.470	96	291259	39.77	ug/L	98
33) 2,2-Dichloropropane	7.592	77	367364	36.78	ug/L	97
34) Bromochloromethane	7.695	128	156767	38.50	ug/L	98
35) Cyclohexane	7.707	56	435455	39.09	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:41:05 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	502672	37.27	ug/L	99
37) Ethyl acetate	7.872	43	1473150	214.47	ug/L	99
38) Tetrahydrofuran	7.957	42	85728	39.67	ug/L	90
40) Carbon Tetrachloride	7.933	117	404281	39.01	ug/L	96
41) 1,1,1-Trichloroethane	8.006	97	466380	39.09	ug/L	99
42) 2-Butanone	8.092	43	709382	207.11	ug/L	99
43) 1,1-Dichloropropene	8.140	75	370864	37.68	ug/L	99
44) tert-Butyl formate	8.244	59	807824	170.28	ug/L	98
45) Propionitrile	8.421	54	378188	336.10	ug/L	97
46) Methacrylonitrile	8.445	41	1909536	365.18	ug/L	100
47) Benzene	8.409	78	1068809	37.54	ug/L	97
48) TAME	8.494	73	938973	53.58	ug/L	97
49) Isobutyl alcohol	8.567	43	164060	714.66	ug/L	99
51) 1,2-Dichloroethane	8.622	62	413124	37.42	ug/L	98
52) Tert Amyl Alcohol	8.677	59	168727	381.55	ug/L	97
53) Trichloroethene	9.018	95	300933	39.31	ug/L	97
54) Methylcyclohexane	9.012	83	377858	41.68	ug/L	99
55) Dibromomethane	9.457	93	179352	37.09	ug/L	98
56) 1,2-Dichloropropane	9.555	63	261509	36.93	ug/L	99
57) Bromodichloromethane	9.603	83	352866	39.20	ug/L	98
58) Methyl methacrylate	9.725	41	221075	37.53	ug/L	100
59) 1,4-Dioxane	9.811	88	48190	788.70	ug/L	96
60) 2-Chloroethyl vinyl ether	10.146	63	993809	205.15	ug/L	98
61) cis-1,3-Dichloropropene	10.237	75	399213	39.58	ug/L	98
64) Toluene	10.481	91	1173698	37.83	ug/L	99
65) 2-Nitropropane	10.713	41	370570	200.71	ug/L	99
66) 4-Methyl-2-pentanone	10.829	43	1451325	198.03	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	392671	43.95	ug/L	95
68) Tetrachloroethene	10.884	166	349777	37.84	ug/L	97
69) Ethyl methacrylate	10.993	69	304893	35.95	ug/L	98
70) 1,1,2-Trichloroethane	11.048	83	215946	38.53	ug/L	98
71) Dibromochloromethane	11.243	129	299530	38.75	ug/L	99
72) 1,3-Dichloropropane	11.335	76	406412	35.01	ug/L	99
73) 1,2-Dibromoethane	11.505	107	276178	38.42	ug/L	99
74) 3,3-dimethyl-1-butanol	11.597	57	1044906	2031.16	ug/L	99
75) 2-hexanone	11.652	43	1015385	205.44	ug/L	100
76) 1-Chlorohexane	11.944	91	350154m	41.23	ug/L	
77) Ethylbenzene	12.005	91	1326406	37.28	ug/L	99
78) Chlorobenzene	12.011	112	785007	37.06	ug/L	98
79) 1,1,1,2-Tetrachloroethane	12.060	131	289053	39.39	ug/L	97
80) m,p-Xylene	12.146	91	2046096	76.19	ug/L	99
81) o-Xylene	12.591	91	1018300	39.24	ug/L	98
82) Styrene	12.639	104	751805	41.34	ug/L	99
83) Bromoform	12.700	173	196815	42.40	ug/L	98
84) Isopropylbenzene	12.889	105	1247802	39.51	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	93028	36.13	ug/L	95
88) n-Propylbenzene	13.310	91	1412160	38.35	ug/L	99
89) Bromobenzene	13.334	156	336094	35.86	ug/L	99
90) 1,1,2,2-Tetrachloroethane	13.383	83	352722	38.26	ug/L	99
91) 1,3,5-Trimethylbenzene	13.493	105	1014183	38.58	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:41:05 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

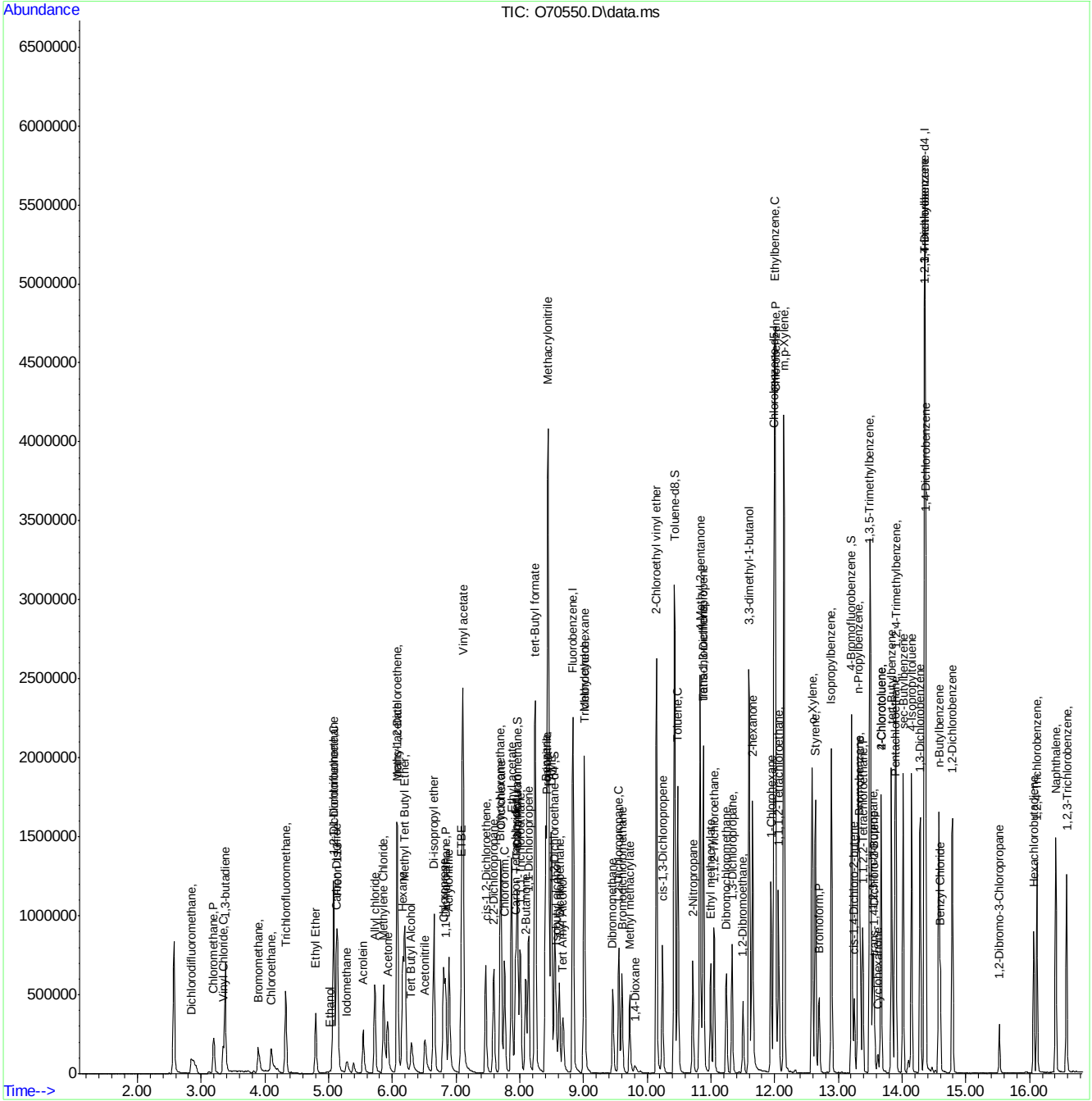
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	886075	38.89	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.566	53	79328	33.71	ug/L	#	75
94) 1,2,3-Trichloropropane	13.542	110	108364	36.79	ug/L		98
95) Cyclohexanone	13.621	55	45179	206.74	ug/L		97
96) 4-Chlorotoluene	13.670	91	886075	38.89	ug/L		99
97) tert-Butylbenzene	13.834	91	545655	38.67	ug/L		99
99) 1,2,4-Trimethylbenzene	13.901	105	1006800	39.53	ug/L		100
100) Pentachloroethane	13.889	167	185703	37.81	ug/L		96
101) sec-Butylbenzene	14.017	105	1142075	40.57	ug/L		99
102) 4-Isopropyltoluene	14.151	119	1003666	40.69	ug/L		99
103) 1,3-Dichlorobenzene	14.285	146	622575	38.19	ug/L		99
104) 1,2,3-Trimethylbenzene	14.359	105	1070650	39.66	ug/L		99
105) 1,4-Dichlorobenzene	14.371	146	648950	38.65	ug/L		100
106) n-Butylbenzene	14.578	92	454990	37.17	ug/L		99
107) Benzyl Chloride	14.602	126	85094	30.59	ug/L		98
108) 1,2-Dichlorobenzene	14.791	146	587180	37.85	ug/L		98
109) 1,2-Dibromo-3-Chloropr...	15.529	75	55659	38.15	ug/L		93
110) Hexachlorobutadiene	16.066	225	128685	36.50	ug/L		97
111) 1,2,4-Trichlorobenzene	16.120	180	352399	37.69	ug/L		99
112) Naphthalene	16.413	128	964075	39.49	ug/L		99
113) 1,2,3-Trichlorobenzene	16.584	180	338519	36.75	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:41:05 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

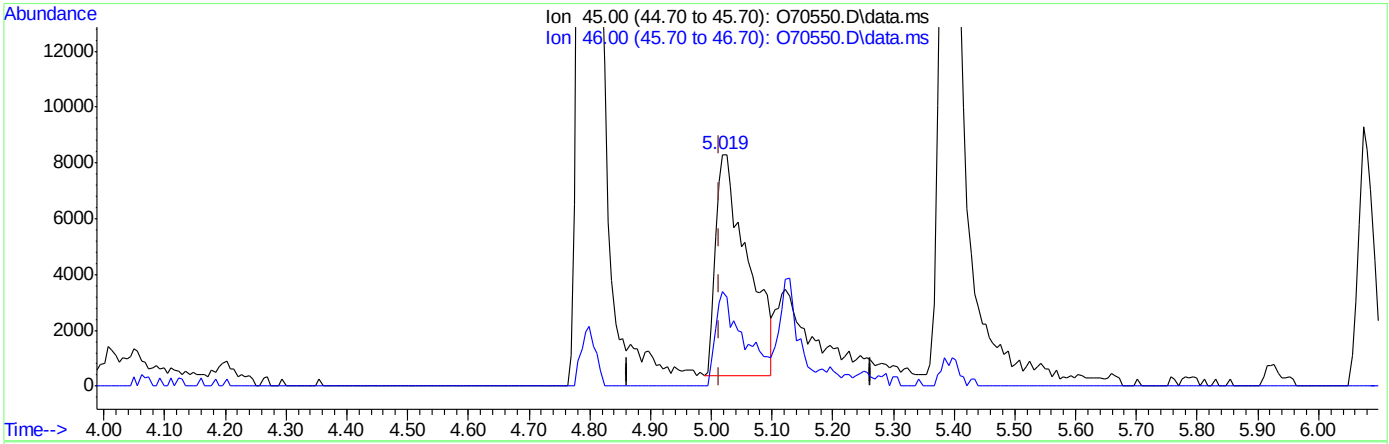
Sample Number: VO2796-ICV2796
Lab FileID: O70550.D
Injection Time: 08/23/22 16:49
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

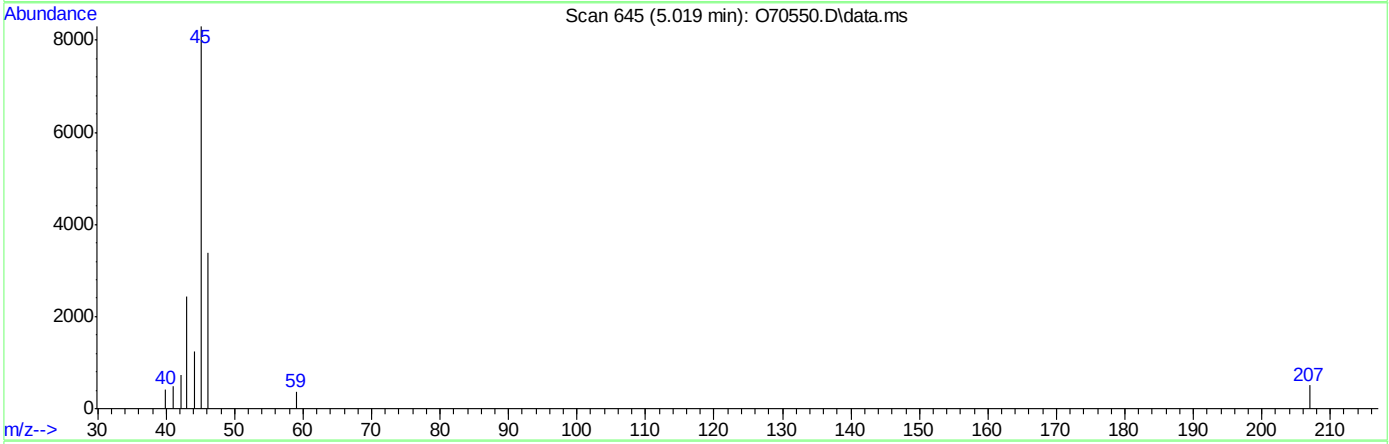
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.02	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(10) Ethanol

5.019min (+0.006) 453.85ug/L

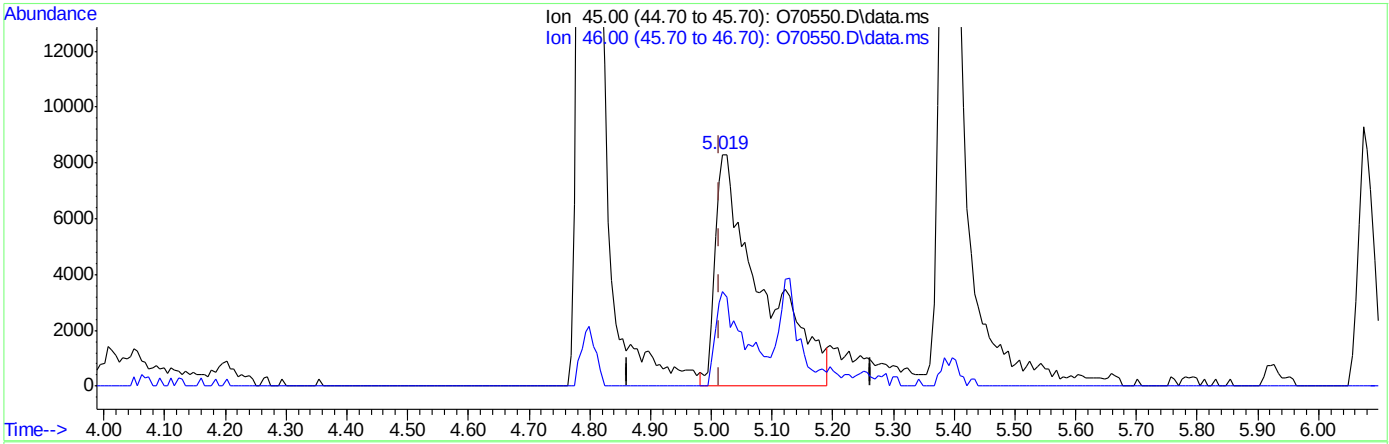
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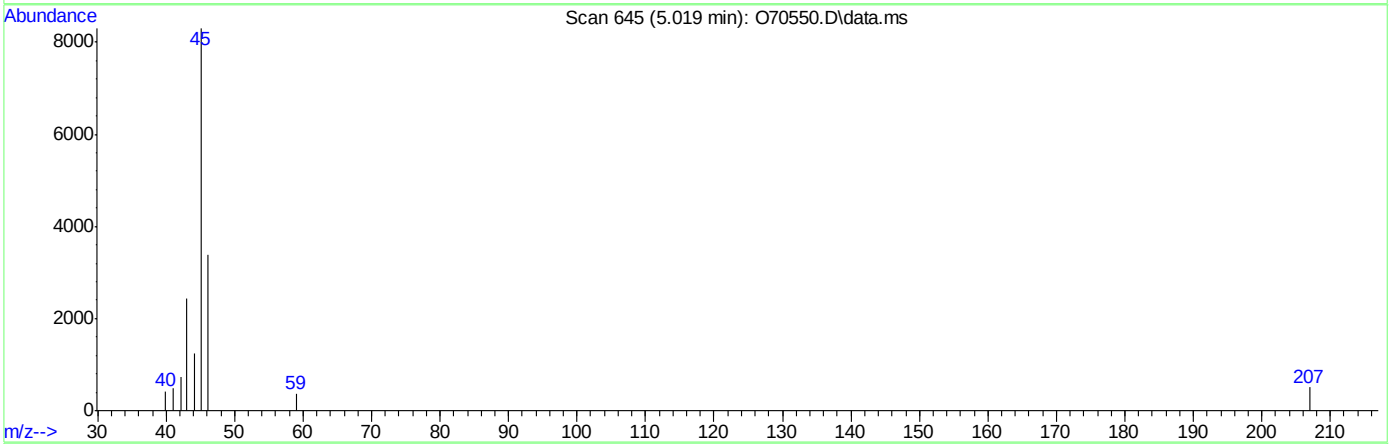
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	42.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(10) Ethanol

5.019min (+0.006) 682.91ug/L m

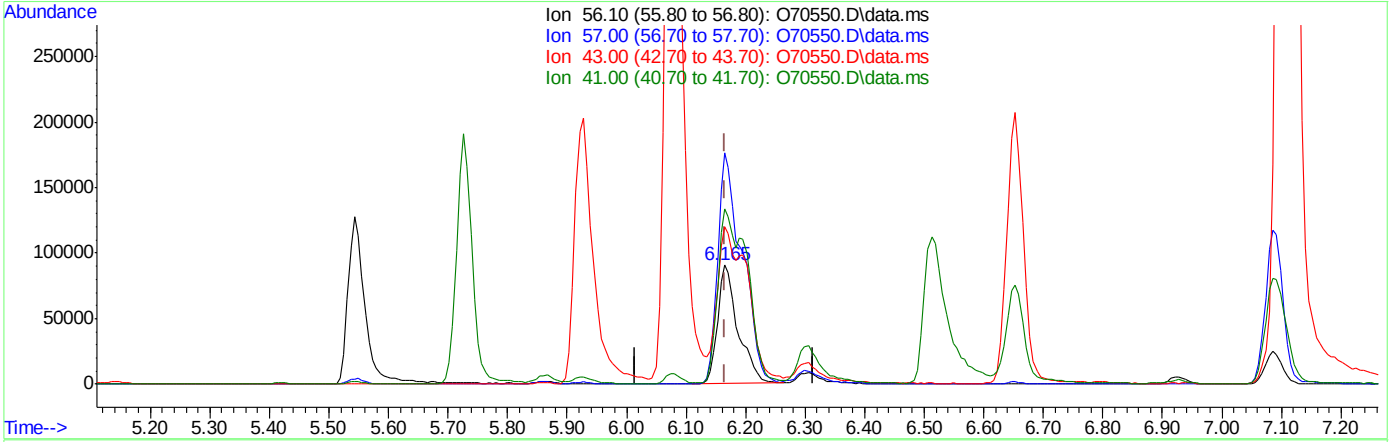
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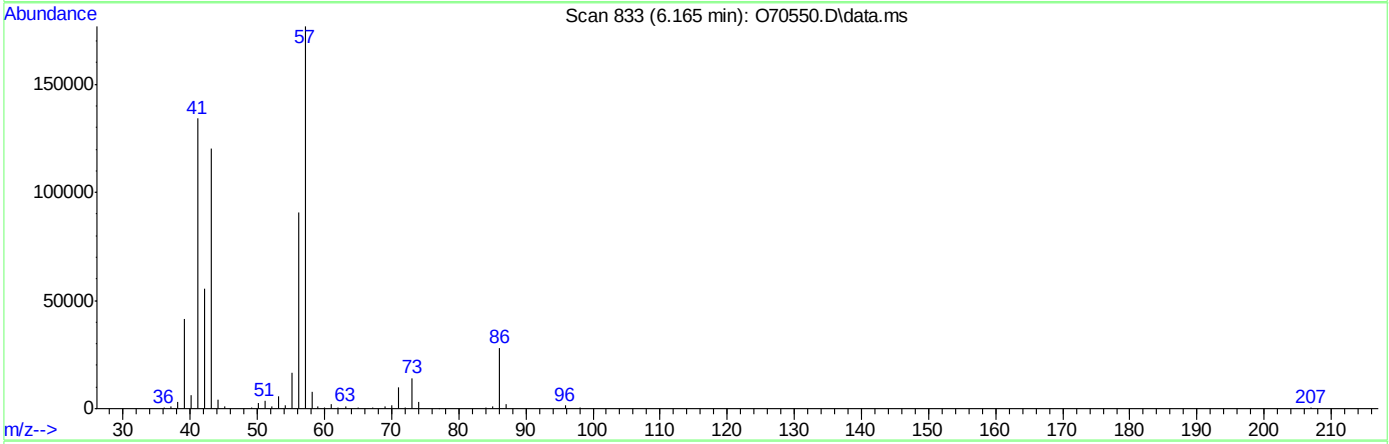
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	40.80
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(22) Hexane

6.165min (+0.000) 51.43ug/L

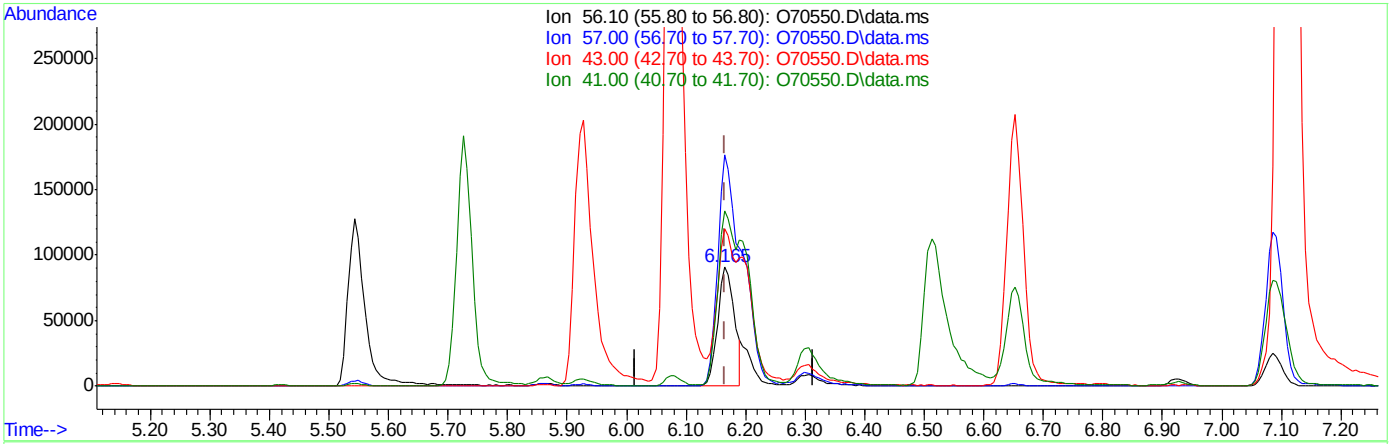
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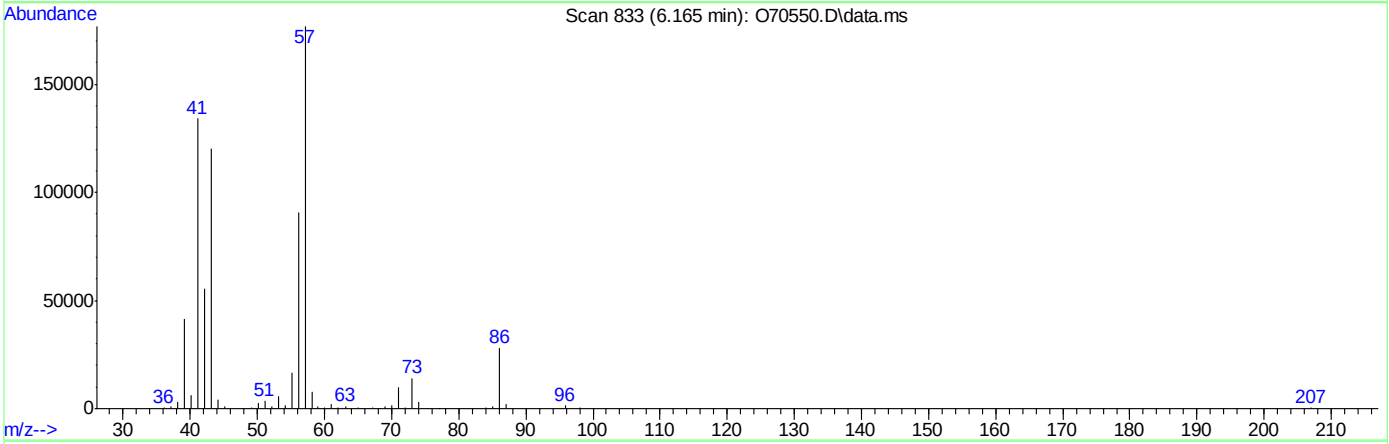
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	194.77
43.00	133.10	127.17
41.00	145.50	146.72

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(22) Hexane

6.165min (+0.000) 42.79ug/L m

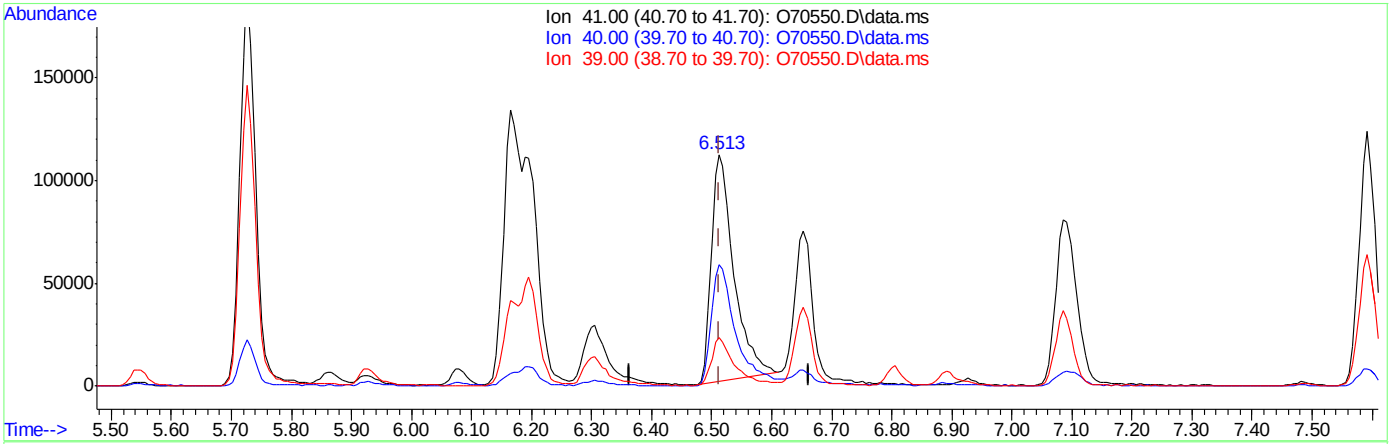
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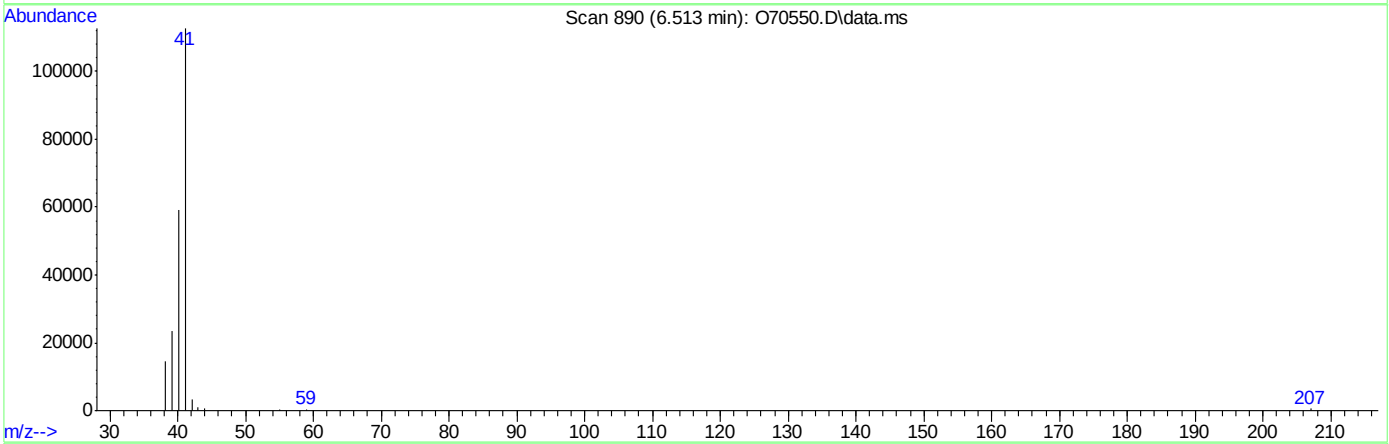
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	194.77
43.00	133.10	132.48
41.00	145.50	147.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 318.52ug/L

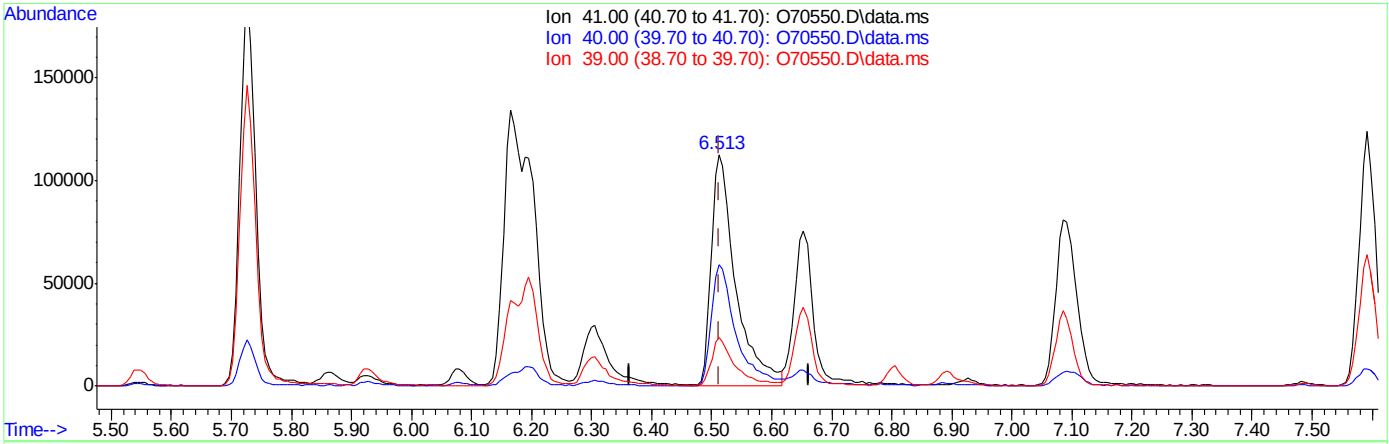
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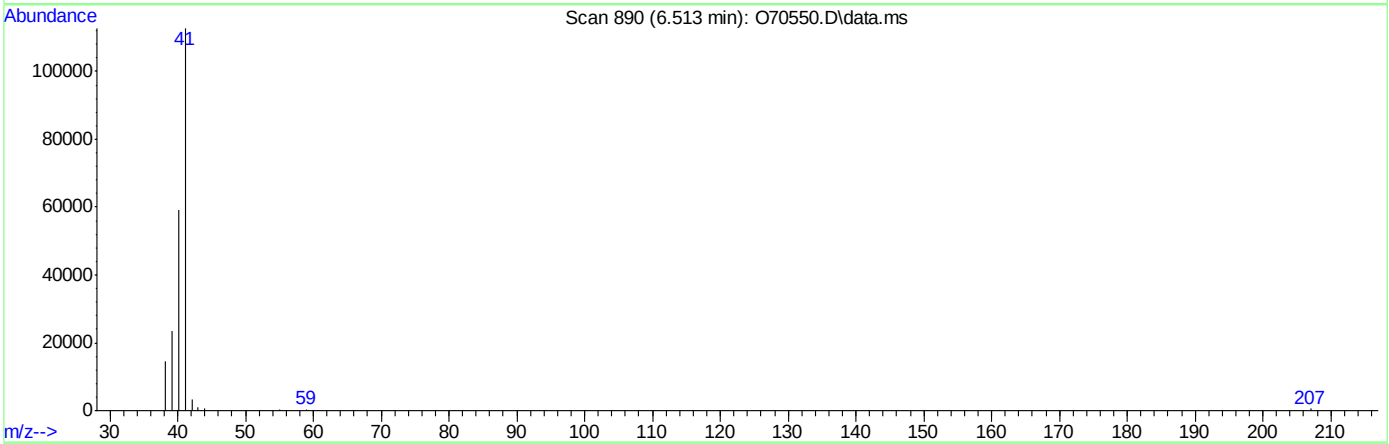
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	52.69
39.00	20.00	20.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 355.69ug/L m

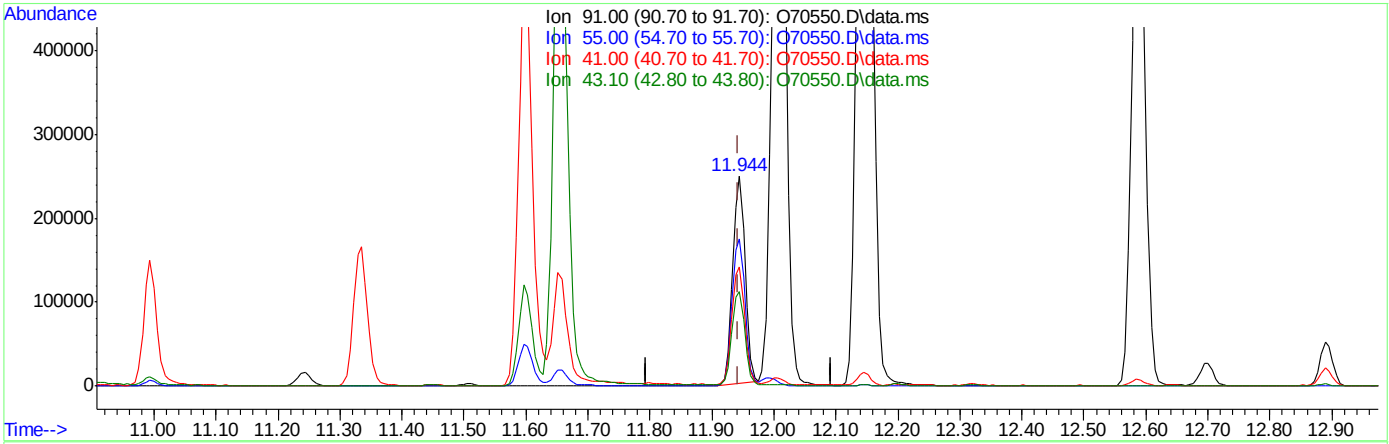
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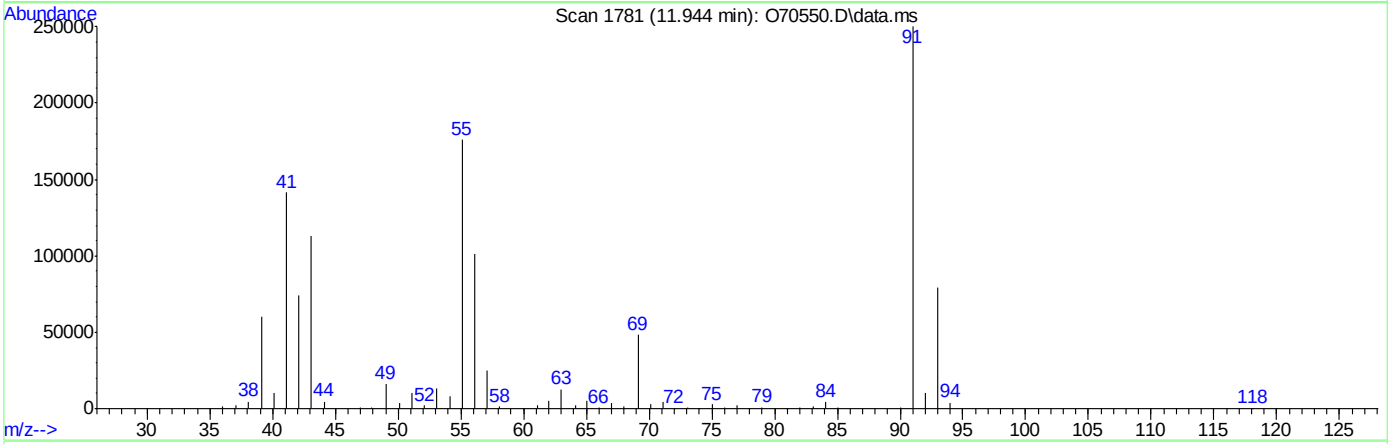
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	52.63
39.00	20.00	20.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 39.95ug/L

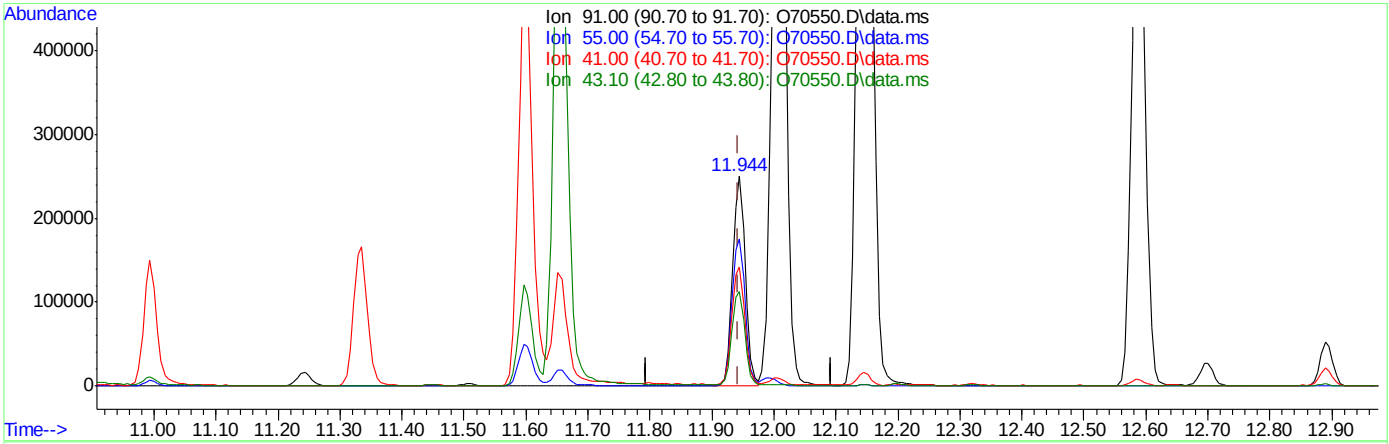
response 339291

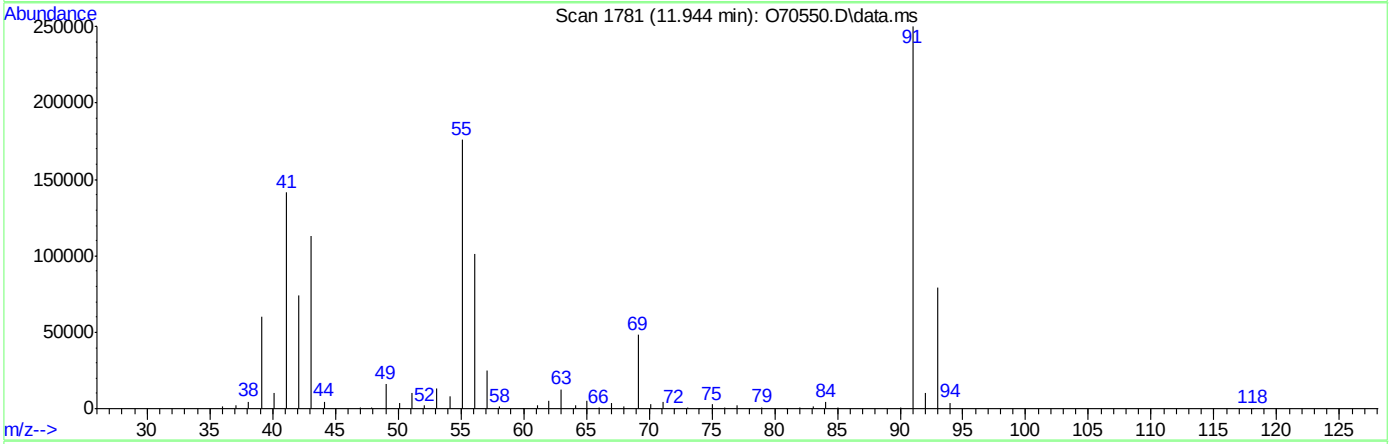
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.06
41.00	54.70	55.69
43.10	44.50	44.64

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 41.23ug/L m

response 350154

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.26
41.00	54.70	56.52
43.10	44.50	45.11

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:49:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1541756	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1292655	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	682138	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	435906	50.08	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.16%			
50) 1,2-Dichloroethane-d4	8.549	65	448784	50.12	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.24%			
63) Toluene-d8	10.426	98	1542692	47.60	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.20%			
86) 4-Bromofluorobenzene	13.206	174	536980	49.16	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.32%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.843	85	303337	55.23	ug/L	95
3) Chloromethane	3.196	50	274497	44.98	ug/L	98
4) 1,3-butadiene	3.373	39	200190	34.88	ug/L	99
5) Vinyl Chloride	3.342	62	312869	45.62	ug/L	99
6) Bromomethane	3.897	94	130477	38.23	ug/L	97
7) Chloroethane	4.098	64	203774	48.55	ug/L	99
8) Trichlorofluoromethane	4.330	101	459184	42.00	ug/L	100
9) Ethyl Ether	4.793	59	190454	39.15	ug/L	96
10) Ethanol	5.013	45	46206m	840.38	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	266153	42.33	ug/L	99
12) 1,1-Dichloroethene	5.080	61	373510	42.34	ug/L	99
13) Freon 113	5.141	101	265708	46.67	ug/L	99
14) Carbon Disulfide	5.123	76	688943	42.50	ug/L	99
15) Iodomethane	5.281	142	108246	30.44	ug/L	98
16) Acrolein	5.543	56	228873	192.50	ug/L	99
17) Allyl chloride	5.726	41	266375	36.43	ug/L	98
18) Methylene Chloride	5.860	49	352209	42.78	ug/L	98
19) Acetone	5.921	43	357719	201.09	ug/L	98
20) Methyl acetate	6.074	43	956281	208.59	ug/L	100
21) trans-1,2-Dichloroethene	6.074	61	359460	40.87	ug/L	99
22) Hexane	6.165	56	166581m	46.87	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	610509	39.84	ug/L	99
24) Tert Butyl Alcohol	6.299	59	212543	378.24	ug/L	94
25) Acetonitrile	6.513	41	302489m	393.96	ug/L	
26) Di-isopropyl ether	6.653	45	726787	40.37	ug/L	100
27) Chloroprene	6.805	53	59751	37.34	ug/L	98
28) 1,1-Dichloroethane	6.830	63	441132	40.61	ug/L	99
29) Acrylonitrile	6.891	52	396920	203.71	ug/L	99
30) ETBE	7.086	59	705427	40.41	ug/L	99
31) Vinyl acetate	7.104	43	2501383	208.92	ug/L	99
32) cis-1,2-Dichloroethene	7.464	96	257361	41.18	ug/L	96
33) 2,2-Dichloropropane	7.592	77	344271	40.41	ug/L	98
34) Bromochloromethane	7.695	128	144935	41.69	ug/L	98
35) Cyclohexane	7.707	56	425899	44.81	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:49:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	461079	40.07	ug/L	100
37) Ethyl acetate	7.866	43	1189175	202.95	ug/L	99
38) Tetrahydrofuran	7.957	42	73010	39.61	ug/L	96
40) Carbon Tetrachloride	7.933	117	372235	42.10	ug/L	96
41) 1,1,1-Trichloroethane	8.006	97	422239	41.49	ug/L	99
42) 2-Butanone	8.092	43	564610	193.24	ug/L	99
43) 1,1-Dichloropropene	8.140	75	349812	41.66	ug/L	99
44) tert-Butyl formate	8.244	59	808058	199.67	ug/L	97
45) Propionitrile	8.421	54	357982	371.76	ug/L	99
46) Methacrylonitrile	8.445	41	1748156	391.67	ug/L	99
47) Benzene	8.409	78	974162	40.11	ug/L	99
48) TAME	8.494	73	606039	41.02	ug/L	99
49) Isobutyl alcohol	8.567	43	163672	831.04	ug/L	99
51) 1,2-Dichloroethane	8.622	62	369739	39.26	ug/L	99
52) Tert Amyl Alcohol	8.677	59	153985	408.20	ug/L	97
53) Trichloroethene	9.012	95	275796	42.15	ug/L	98
54) Methylcyclohexane	9.012	83	364971	46.74	ug/L	97
55) Dibromomethane	9.457	93	162919	39.50	ug/L	99
56) 1,2-Dichloropropane	9.555	63	247073	40.90	ug/L	99
57) Bromodichloromethane	9.603	83	312864	40.75	ug/L	97
58) Methyl methacrylate	9.725	41	196500	39.00	ug/L	97
59) 1,4-Dioxane	9.805	88	47723	919.95	ug/L	94
60) 2-Chloroethyl vinyl ether	10.146	63	822132	199.34	ug/L	99
61) cis-1,3-Dichloropropene	10.238	75	357763	41.58	ug/L	98
64) Toluene	10.481	91	1047109	37.57	ug/L	99
65) 2-Nitropropane	10.713	41	325547	196.26	ug/L	99
66) 4-Methyl-2-pentanone	10.829	43	1237625	187.96	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	322571	40.19	ug/L	95
68) Tetrachloroethene	10.878	166	324515	39.07	ug/L	99
69) Ethyl methacrylate	10.993	69	284339	37.25	ug/L	97
70) 1,1,2-Trichloroethane	11.048	83	192160	38.17	ug/L	98
71) Dibromochloromethane	11.243	129	271034	39.03	ug/L	99
72) 1,3-Dichloropropane	11.335	76	382399	36.67	ug/L	99
73) 1,2-Dibromoethane	11.506	107	244880	37.92	ug/L	99
74) 3,3-dimethyl-1-butanol	11.597	57	936605	2027.02	ug/L	99
75) 2-hexanone	11.652	43	861202	193.94	ug/L	99
76) 1-Chlorohexane	11.944	91	321445m	42.13	ug/L	
77) Ethylbenzene	12.005	91	1221391	38.21	ug/L	99
78) Chlorobenzene	12.012	112	718220	37.74	ug/L	100
79) 1,1,1,2-Tetrachloroethane	12.060	131	261564	39.68	ug/L	99
80) m,p-Xylene	12.146	91	1876962	77.80	ug/L	99
81) o-Xylene	12.585	91	897893	38.51	ug/L	99
82) Styrene	12.639	104	668331	40.91	ug/L	100
83) Bromoform	12.700	173	164478	39.44	ug/L	100
84) Isopropylbenzene	12.889	105	1122780	39.57	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	86289	36.43	ug/L	94
88) n-Propylbenzene	13.310	91	1288344	38.06	ug/L	98
89) Bromobenzene	13.334	156	319201	37.06	ug/L	99
90) 1,1,2,2-Tetrachloroethane	13.377	83	314020	37.06	ug/L	99
91) 1,3,5-Trimethylbenzene	13.493	105	940843	38.94	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:49:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

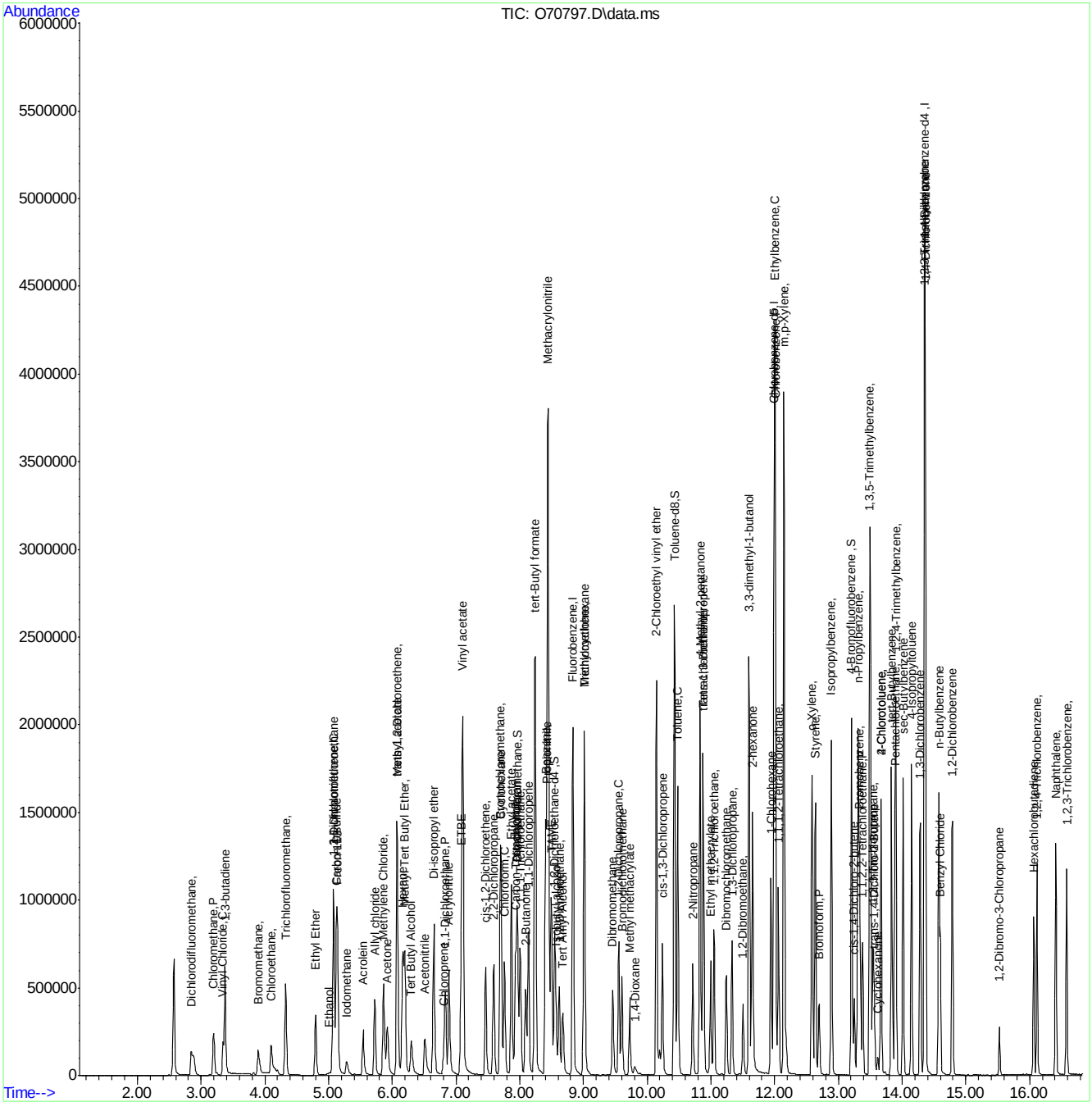
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	785876	37.53	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.566	53	84601	39.12	ug/L	#	74
94) 1,2,3-Trichloropropane	13.542	110	100361	37.07	ug/L		97
95) Cyclohexanone	13.615	55	41318	205.73	ug/L		91
96) 4-Chlorotoluene	13.670	91	785876	37.53	ug/L		99
97) tert-Butylbenzene	13.834	91	496991	38.32	ug/L		99
99) 1,2,4-Trimethylbenzene	13.901	105	902554	38.56	ug/L		97
100) Pentachloroethane	13.889	167	164808	36.57	ug/L		98
101) sec-Butylbenzene	14.017	105	1010513	39.06	ug/L		100
102) 4-Isopropyltoluene	14.145	119	907433	40.02	ug/L		98
103) 1,3-Dichlorobenzene	14.286	146	557845	37.23	ug/L		98
104) 1,2,3-Trimethylbenzene	14.359	105	930789	37.51	ug/L		98
105) 1,4-Dichlorobenzene	14.365	146	594295	38.52	ug/L		97
106) n-Butylbenzene	14.578	92	444505	39.51	ug/L		99
107) Benzyl Chloride	14.602	126	96715	36.69	ug/L		97
108) 1,2-Dichlorobenzene	14.791	146	534042	37.45	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	15.529	75	47711	35.59	ug/L		98
110) Hexachlorobutadiene	16.066	225	128435	39.68	ug/L		98
111) 1,2,4-Trichlorobenzene	16.121	180	319083	37.13	ug/L		99
112) Naphthalene	16.413	128	827104	36.97	ug/L		99
113) 1,2,3-Trichlorobenzene	16.584	180	311837	36.83	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:49:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

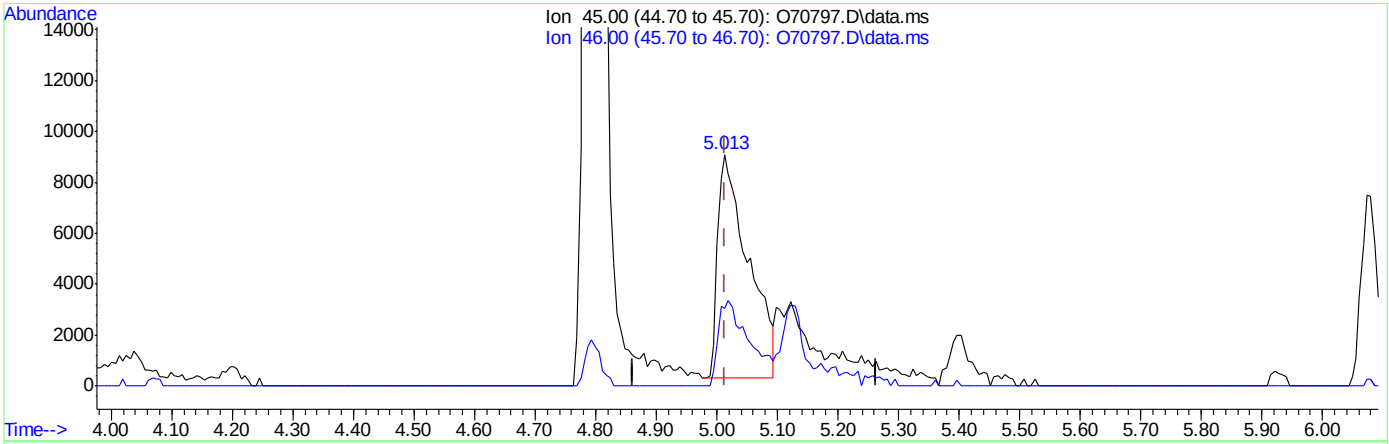
Sample Number: VO2808-CC2796
Lab FileID: O70797.D
Injection Time: 09/01/22 11:29
Method: SW846 8260D
Analyst approved: 09/01/22 11:49 Jo-Ann Lugo De Jesus
Supervisor approved: 09/02/22 08:58 Karen Watson

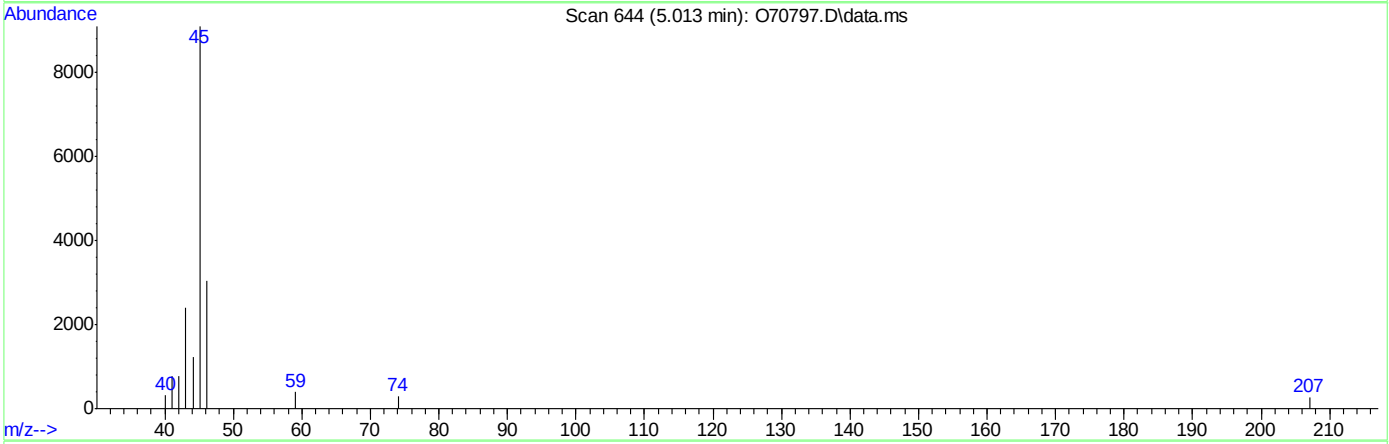
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(10) Ethanol

5.013min (-0.000) 564.93ug/L

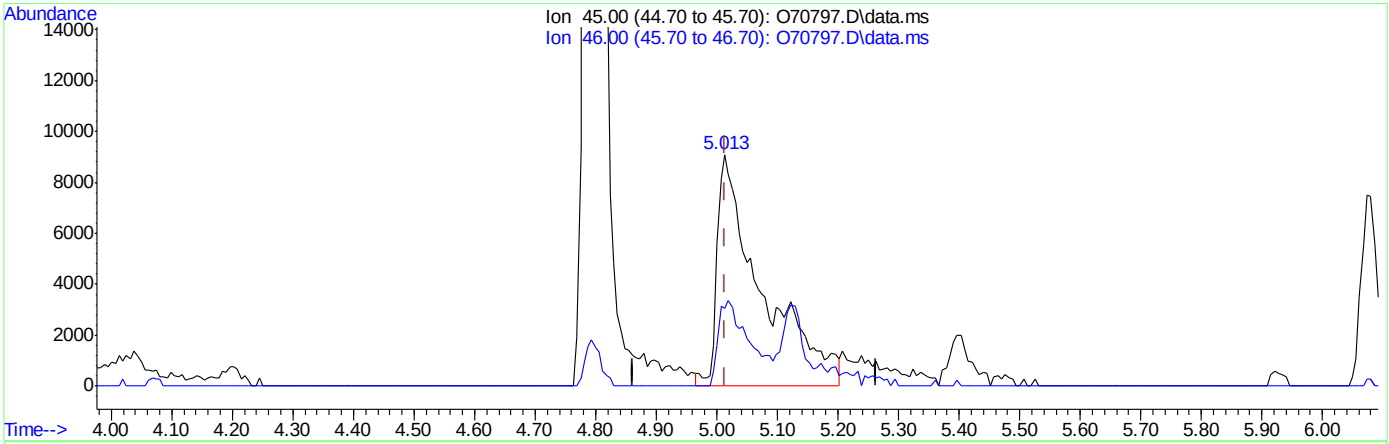
response 30670

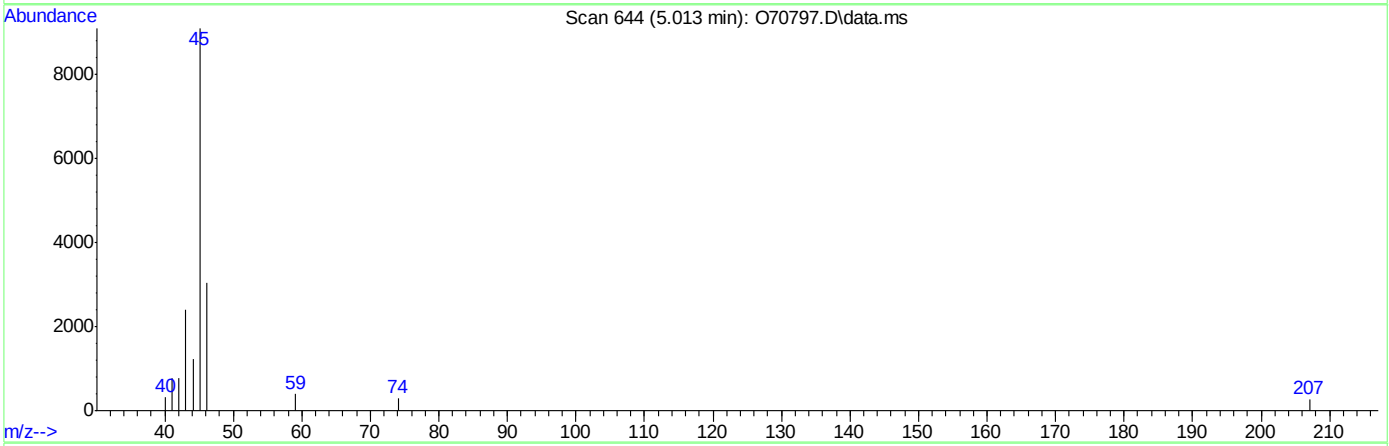
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	34.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(10) Ethanol

5.013min (-0.000) 840.38ug/L m

response 46206

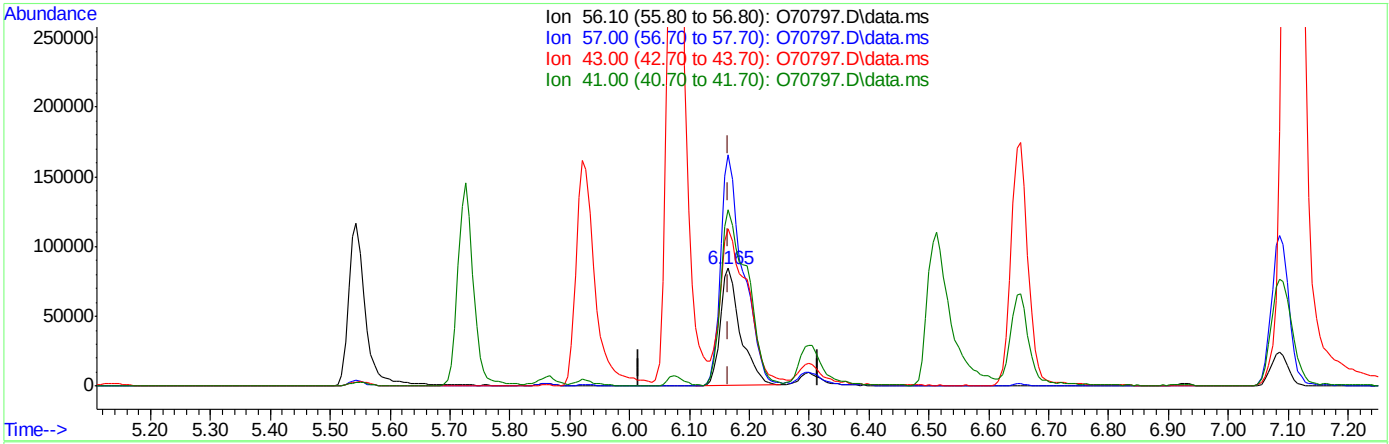
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	33.58
0.00	0.00	0.00
0.00	0.00	0.00

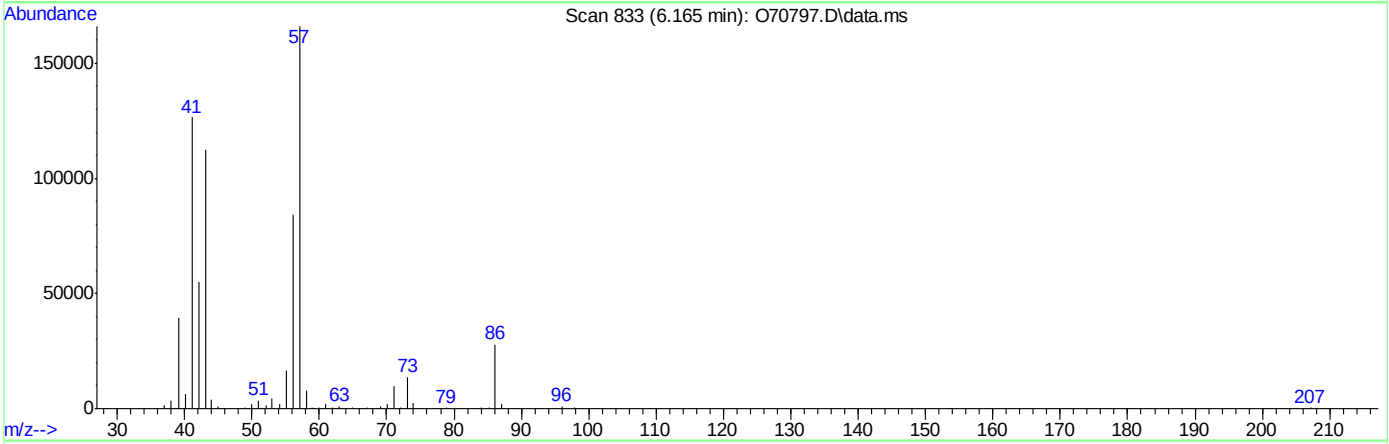
SGS FA98452

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(22) Hexane

6.165min (+0.000) 54.38ug/L

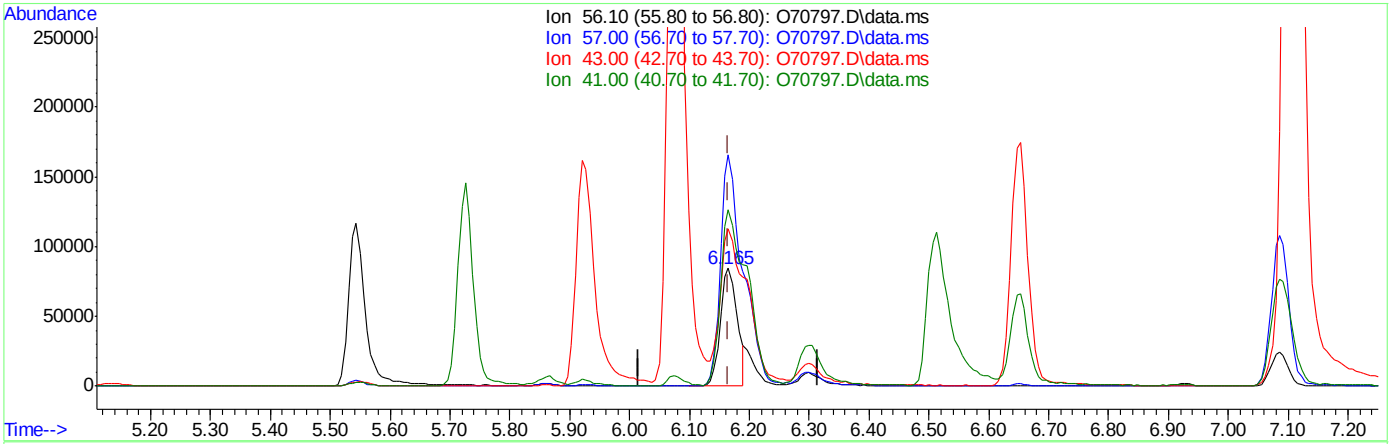
response 195024

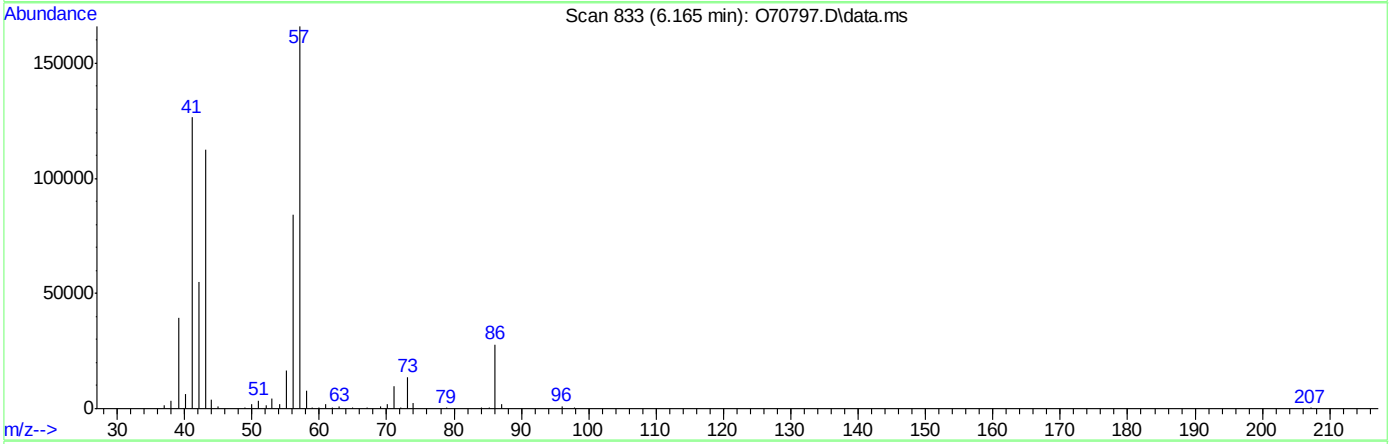
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	196.53
43.00	133.10	127.41
41.00	145.50	148.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(22) Hexane

6.165min (+0.000) 46.87ug/L m

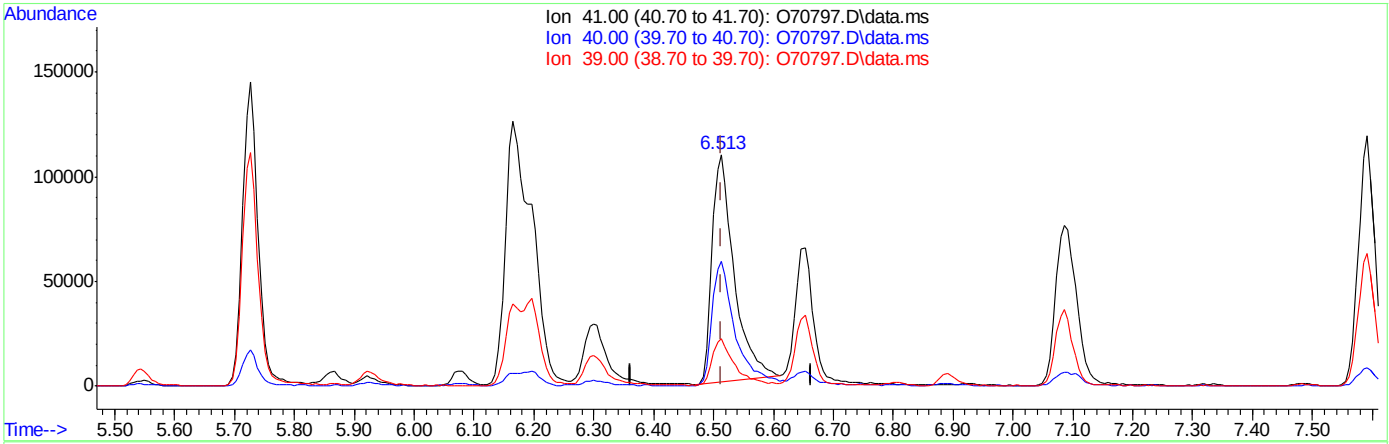
response 166581

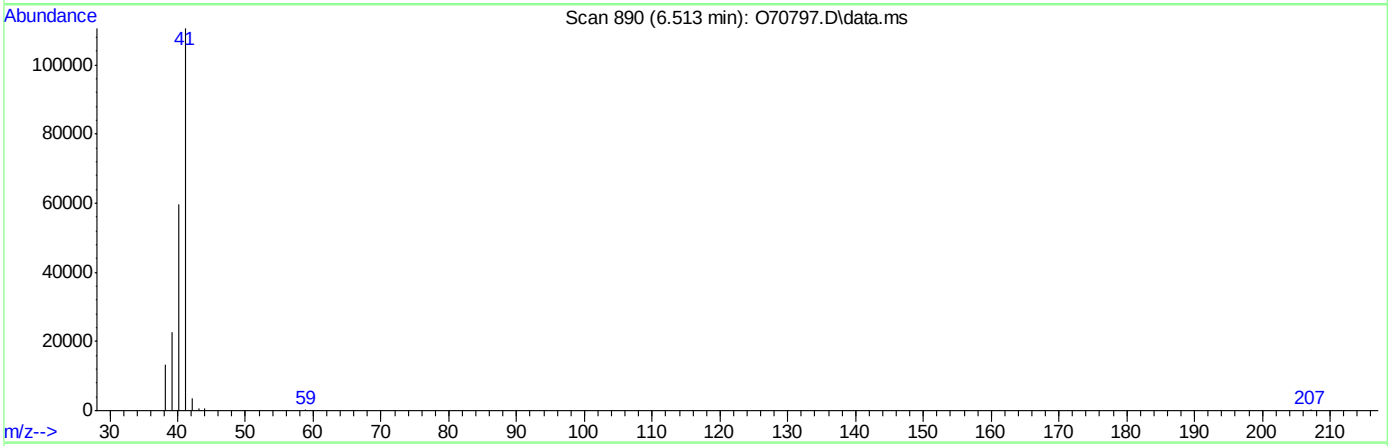
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	196.53
43.00	133.10	133.39
41.00	145.50	149.78

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 360.32ug/L

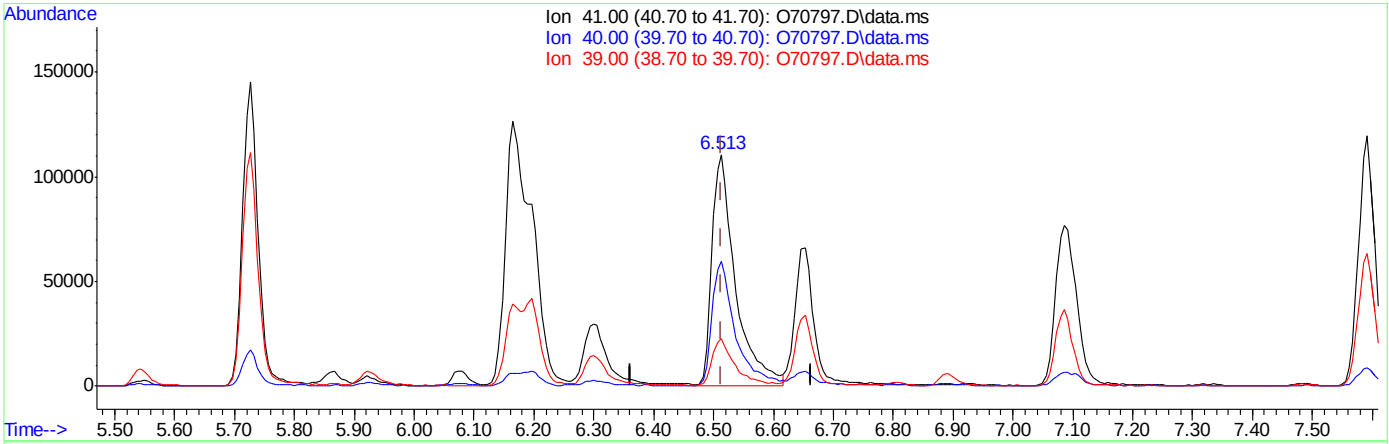
response 276594

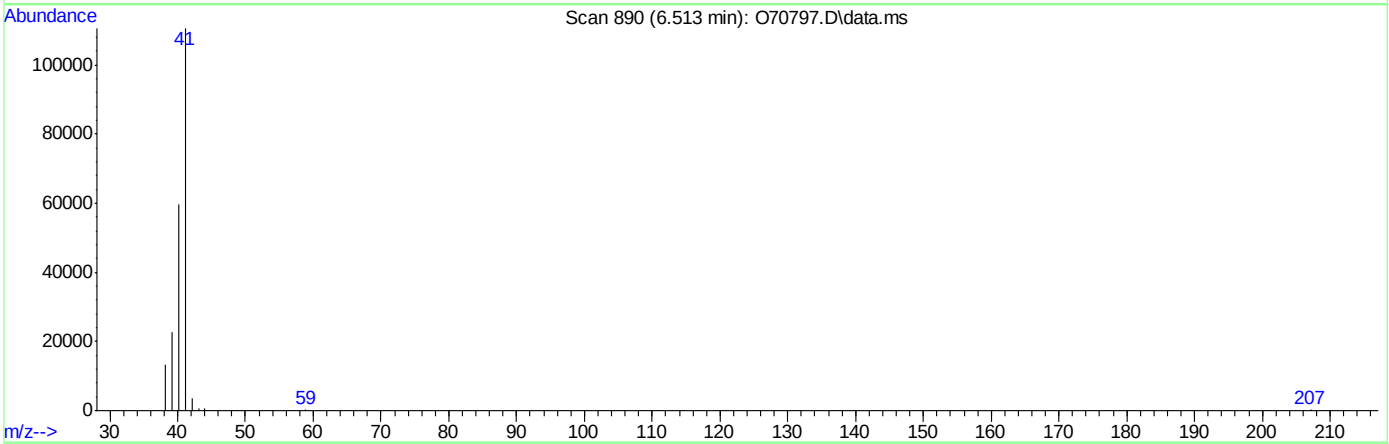
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.00
39.00	20.00	20.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 393.96ug/L m

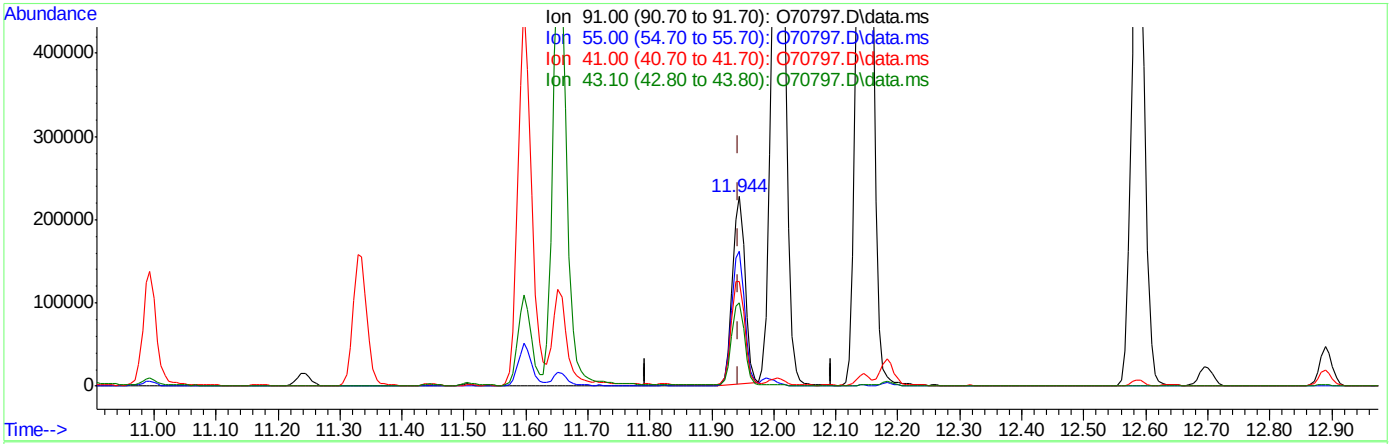
response 302489

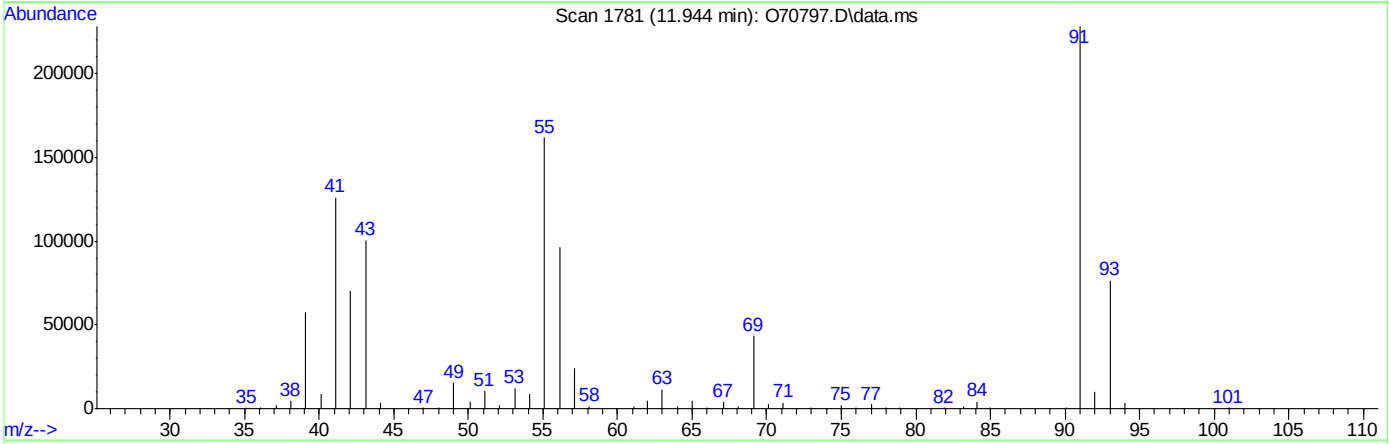
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	53.98
39.00	20.00	20.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 40.98ug/L

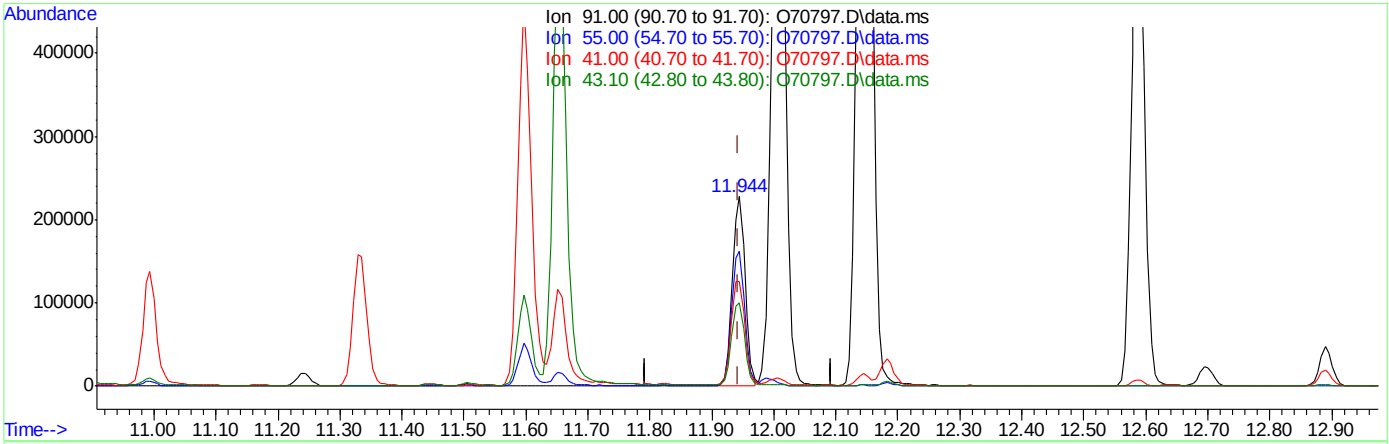
response 312670

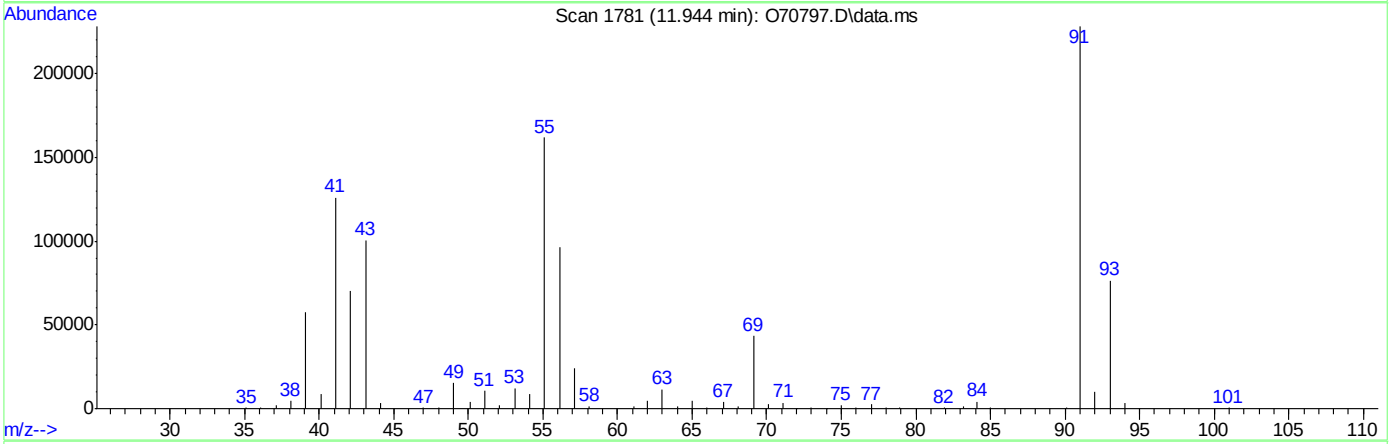
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.56
41.00	54.70	54.39
43.10	44.50	43.39

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 42.13ug/L m

response 321445

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.88
41.00	54.70	55.14
43.10	44.50	44.04

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:50:26 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1427208	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1199052	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	625730	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	403739	50.11	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.22%			
50) 1,2-Dichloroethane-d4	8.549	65	407272	49.14	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.28%			
63) Toluene-d8	10.426	98	1437385	47.82	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.64%			
86) 4-Bromofluorobenzene	13.206	174	491050	49.01	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	266101	52.32	ug/L	100
3) Chloromethane	3.202	50	249261	44.11	ug/L	98
4) 1,3-butadiene	3.379	39	194617	36.66	ug/L	100
5) Vinyl Chloride	3.348	62	285637	44.98	ug/L	99
6) Bromomethane	3.897	94	110366	34.90	ug/L	100
7) Chloroethane	4.104	64	187619	48.22	ug/L	97
8) Trichlorofluoromethane	4.330	101	407214	40.23	ug/L	99
9) Ethyl Ether	4.799	59	178730	39.69	ug/L	95
10) Ethanol	5.013	45	43421m	852.64	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.080	67	237659	40.84	ug/L	100
12) 1,1-Dichloroethene	5.086	61	331971	40.65	ug/L	98
13) Freon 113	5.141	101	236164	44.89	ug/L	97
14) Carbon Disulfide	5.129	76	603091	40.32	ug/L	100
15) Iodomethane	5.287	142	114195	33.75	ug/L	98
16) Acrolein	5.543	56	199233	181.02	ug/L	99
17) Allyl chloride	5.726	41	232217	34.37	ug/L	99
18) Methylene Chloride	5.866	49	338483	44.41	ug/L	99
19) Acetone	5.927	43	327047	198.65	ug/L	98
20) Methyl acetate	6.080	43	896894	211.34	ug/L	100
21) trans-1,2-Dichloroethene	6.074	61	326563	40.11	ug/L	98
22) Hexane	6.171	56	139876m	42.72	ug/L	
23) Methyl Tert Butyl Ether	6.195	73	573874	40.45	ug/L	97
24) Tert Butyl Alcohol	6.299	59	193649	372.28	ug/L	97
25) Acetonitrile	6.512	41	275422m	387.51	ug/L	
26) Di-isopropyl ether	6.653	45	684649	41.08	ug/L	99
27) Chloroprene	6.805	53	52959	35.84	ug/L	97
28) 1,1-Dichloroethane	6.836	63	407614	40.54	ug/L	98
29) Acrylonitrile	6.890	52	369985	205.13	ug/L	99
30) ETBE	7.086	59	665012	41.15	ug/L	99
31) Vinyl acetate	7.110	43	2274392	205.21	ug/L	99
32) cis-1,2-Dichloroethene	7.470	96	237615	41.07	ug/L	99
33) 2,2-Dichloropropane	7.592	77	259825	32.94	ug/L	98
34) Bromochloromethane	7.695	128	135360	42.06	ug/L	93
35) Cyclohexane	7.707	56	377474	42.90	ug/L	98
36) Chloroform	7.762	83	423896	39.80	ug/L	99
37) Ethyl acetate	7.872	43	1103777	203.49	ug/L	100
38) Tetrahydrofuran	7.957	42	67798	39.73	ug/L	94
40) Carbon Tetrachloride	7.933	117	329903	40.31	ug/L	99
41) 1,1,1-Trichloroethane	8.006	97	384521	40.82	ug/L	99
42) 2-Butanone	8.098	43	510578	188.77	ug/L	100
43) 1,1-Dichloropropene	8.140	75	309227	39.78	ug/L	99
44) tert-Butyl formate	8.244	59	722810	192.94	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:50:26 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	8.421	54	334543	375.19	ug/L		98
46)	Methacrylonitrile	8.445	41	1645147	398.11	ug/L		100
47)	Benzene	8.408	78	895865	39.85	ug/L		97
48)	TAME	8.494	73	567572	41.48	ug/L		98
49)	Isobutyl alcohol	8.567	43	143740	789.99	ug/L		95
51)	1,2-Dichloroethane	8.622	62	348629	39.99	ug/L		98
52)	Tert Amyl Alcohol	8.677	59	131990	377.97	ug/L		96
53)	Trichloroethene	9.018	95	253311	41.83	ug/L		98
54)	Methylcyclohexane	9.012	83	312705	43.53	ug/L		96
55)	Dibromomethane	9.463	93	151217	39.60	ug/L		93
56)	1,2-Dichloropropane	9.555	63	229638	41.07	ug/L		99
57)	Bromodichloromethane	9.603	83	285346	40.15	ug/L		99
58)	Methyl methacrylate	9.725	41	179925	38.60	ug/L		95
59)	1,4-Dioxane	9.805	88	40036	831.04	ug/L		98
60)	2-Chloroethyl vinyl ether	10.146	63	768061	201.05	ug/L		99
61)	cis-1,3-Dichloropropene	10.237	75	318163	39.95	ug/L		97
64)	Toluene	10.481	91	960013	37.13	ug/L		98
65)	2-Nitropropane	10.713	41	279629	181.74	ug/L		97
66)	4-Methyl-2-pentanone	10.829	43	1138612	186.43	ug/L		99
67)	trans-1,3-Dichloropropene	10.884	75	289290	38.86	ug/L		93
68)	Tetrachloroethene	10.884	166	313772	40.73	ug/L		97
69)	Ethyl methacrylate	10.993	69	264305	37.33	ug/L		97
70)	1,1,2-Trichloroethane	11.048	83	178607	38.24	ug/L		97
71)	Dibromochloromethane	11.243	129	250980	38.96	ug/L		99
72)	1,3-Dichloropropane	11.335	76	361589	37.38	ug/L		99
73)	1,2-Dibromoethane	11.505	107	229984	38.39	ug/L		95
74)	3,3-dimethyl-1-butanol	11.597	57	808968	1903.12	ug/L		99
75)	2-hexanone	11.652	43	783787	190.28	ug/L		99
76)	1-Chlorohexane	11.944	91	281866m	39.82	ug/L		
77)	Ethylbenzene	12.005	91	1113721	37.56	ug/L		99
78)	Chlorobenzene	12.011	112	672101	38.07	ug/L		99
79)	1,1,1,2-Tetrachloroethane	12.060	131	238004	38.92	ug/L		99
80)	m,p-Xylene	12.146	91	1705918	76.23	ug/L		98
81)	o-Xylene	12.591	91	815601	37.71	ug/L		96
82)	Styrene	12.639	104	616814	40.70	ug/L		98
83)	Bromoform	12.700	173	146863	37.96	ug/L		97
84)	Isopropylbenzene	12.889	105	1013753	38.52	ug/L		99
87)	cis-1,4-Dichloro-2-butene	13.249	53	68212	31.76	ug/L		89
88)	n-Propylbenzene	13.310	91	1156318	37.24	ug/L		98
89)	Bromobenzene	13.334	156	296233	37.49	ug/L		99
90)	1,1,2,2-Tetrachloroethane	13.377	83	290961	37.43	ug/L		99
91)	1,3,5-Trimethylbenzene	13.493	105	849488	38.33	ug/L		99
92)	2-Chlorotoluene	13.670	91	714487	37.20	ug/L		99
93)	trans-1,4-Dichloro-2-B...	13.566	53	65068	32.80	ug/L	#	75
94)	1,2,3-Trichloropropane	13.542	110	94456	38.03	ug/L		98
95)	Cyclohexanone	13.621	55	33499	181.79	ug/L		96
96)	4-Chlorotoluene	13.670	91	714487	37.20	ug/L		100
97)	tert-Butylbenzene	13.834	91	440581	37.04	ug/L		98
99)	1,2,4-Trimethylbenzene	13.901	105	822471	38.31	ug/L		99
100)	Pentachloroethane	13.889	167	132819	32.34	ug/L		93
101)	sec-Butylbenzene	14.017	105	893777	37.66	ug/L		99
102)	4-Isopropyltoluene	14.151	119	795657	38.26	ug/L		99
103)	1,3-Dichlorobenzene	14.285	146	505698	36.79	ug/L		99
104)	1,2,3-Trimethylbenzene	14.358	105	851057	37.39	ug/L		100
105)	1,4-Dichlorobenzene	14.371	146	547049	38.65	ug/L		99
106)	n-Butylbenzene	14.578	92	373380	36.18	ug/L		99
107)	Benzyl Chloride	14.602	126	62129	26.99	ug/L		99
108)	1,2-Dichlorobenzene	14.791	146	492926	37.69	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:50:26 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

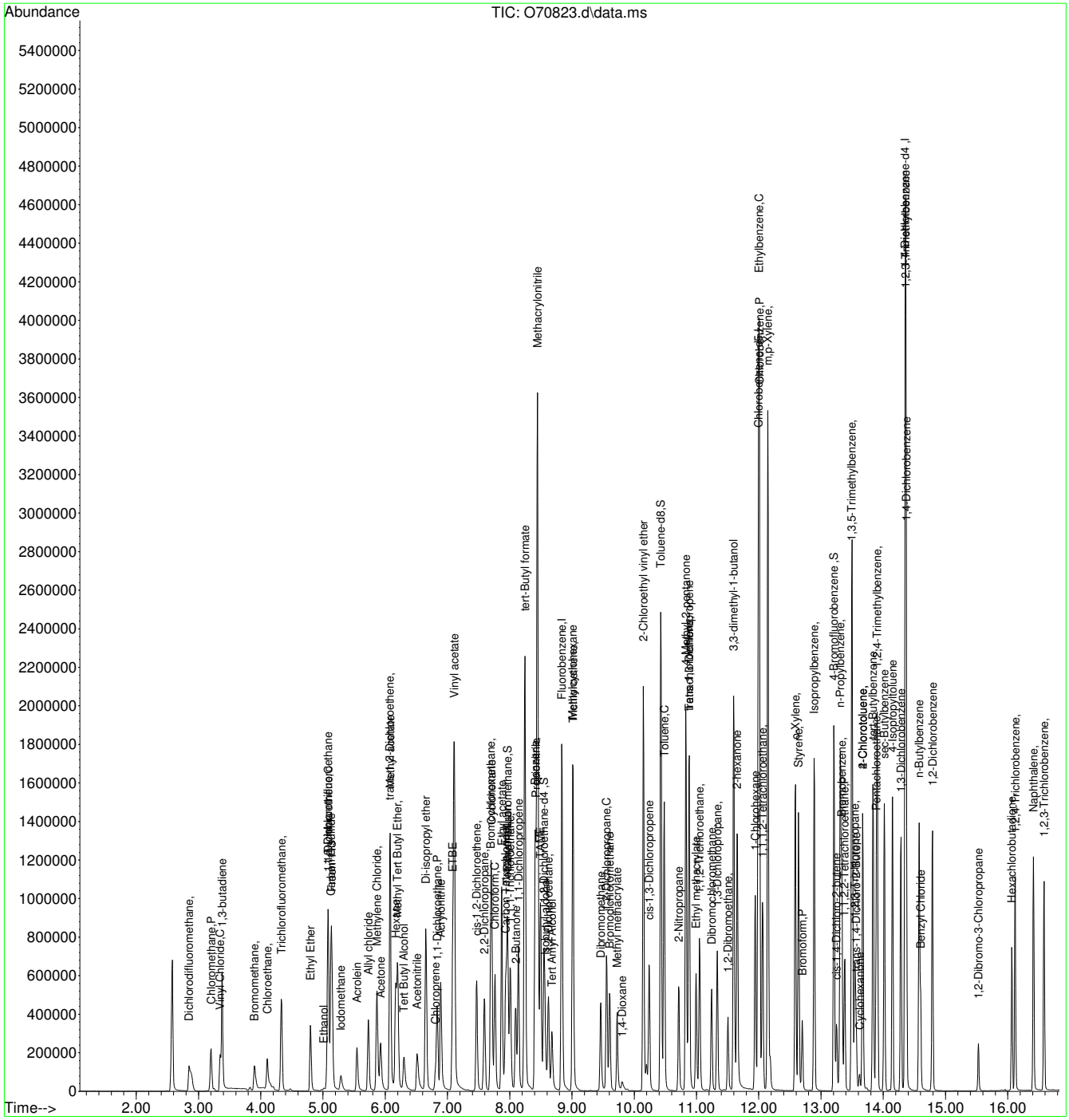
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	15.529	75	42156	34.28	ug/L	95
110) Hexachlorobutadiene	16.065	225	108022	36.34	ug/L	98
111) 1,2,4-Trichlorobenzene	16.120	180	283676	35.98	ug/L	97
112) Naphthalene	16.413	128	759803	37.02	ug/L	98
113) 1,2,3-Trichlorobenzene	16.584	180	284182	36.59	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:50:26 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

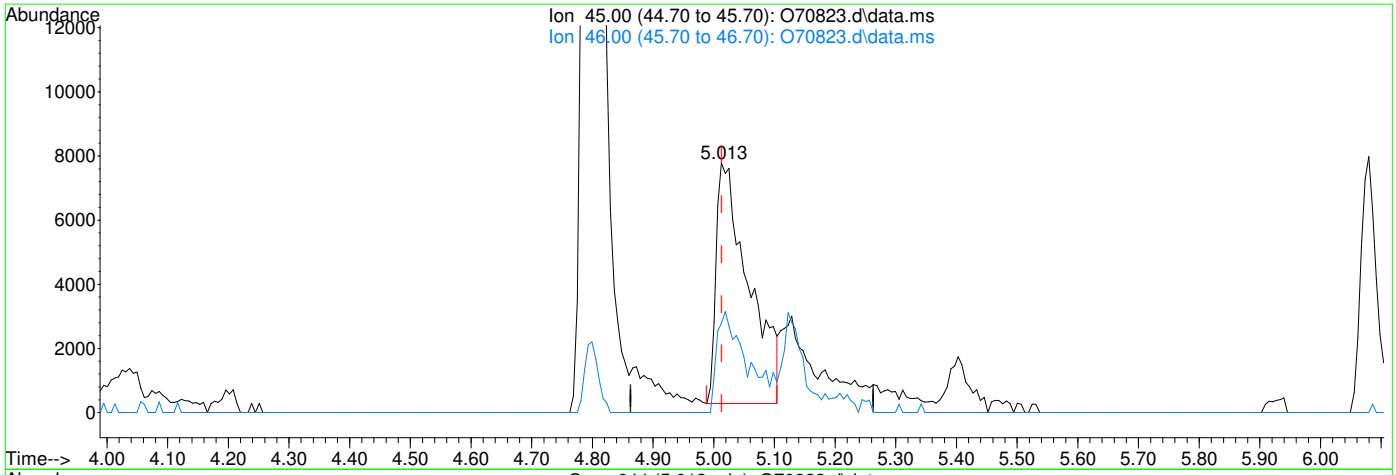
Sample Number: VO2808-ECC2796 **Method:** SW846 8260D
Lab FileID: O70823.D **Analyst approved:** 09/02/22 08:09 Jo-Ann Lugo De Jesus
Injection Time: 09/01/22 22:18 **Supervisor approved:** 09/02/22 08:58 Karen Watson

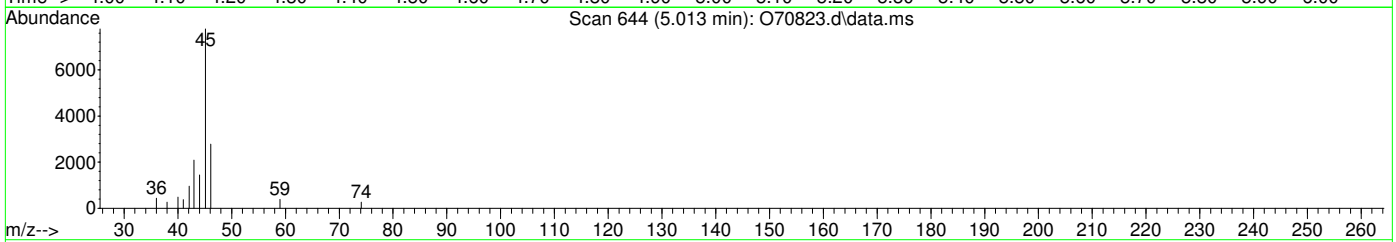
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

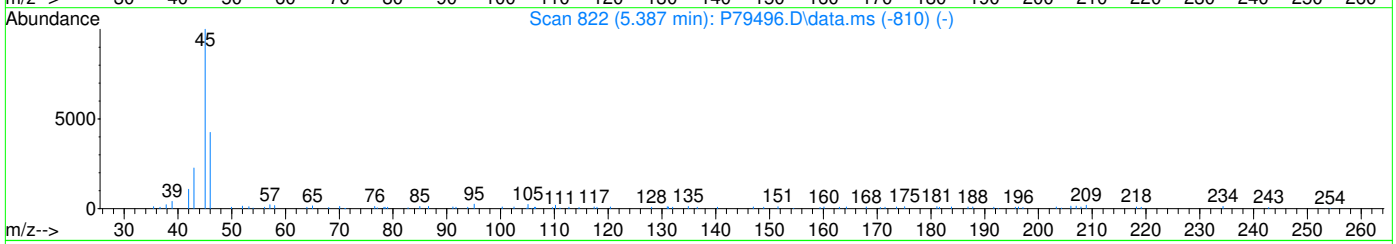
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:32:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70823.d\data.ms

(10) Ethanol

5.013min (-0.000) 554.54ug/L

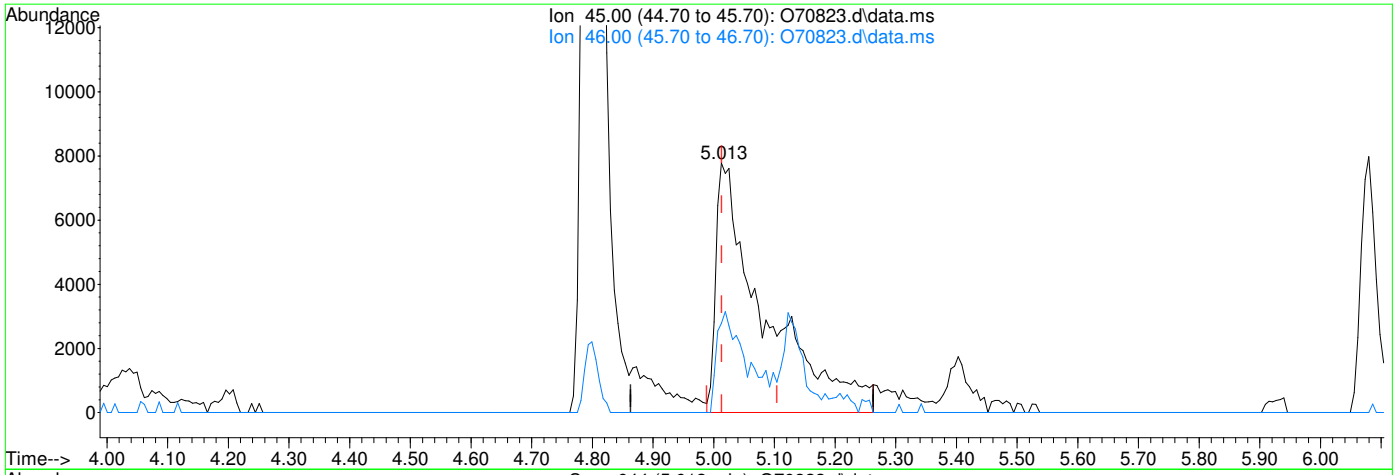
response 27856

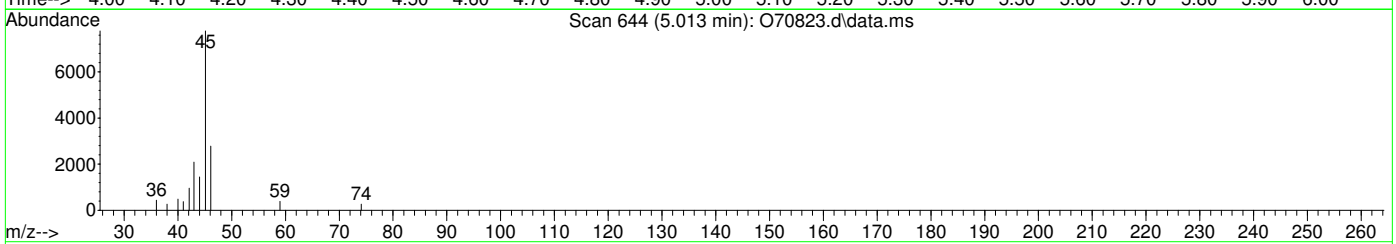
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	37.12
0.00	0.00	0.00
0.00	0.00	0.00

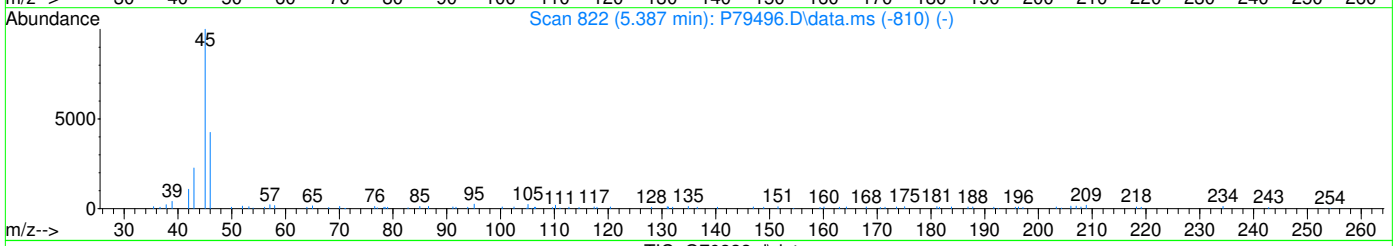
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:32:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70823.d\data.ms

(10) Ethanol

5.013min (-0.000) 852.64ug/L m

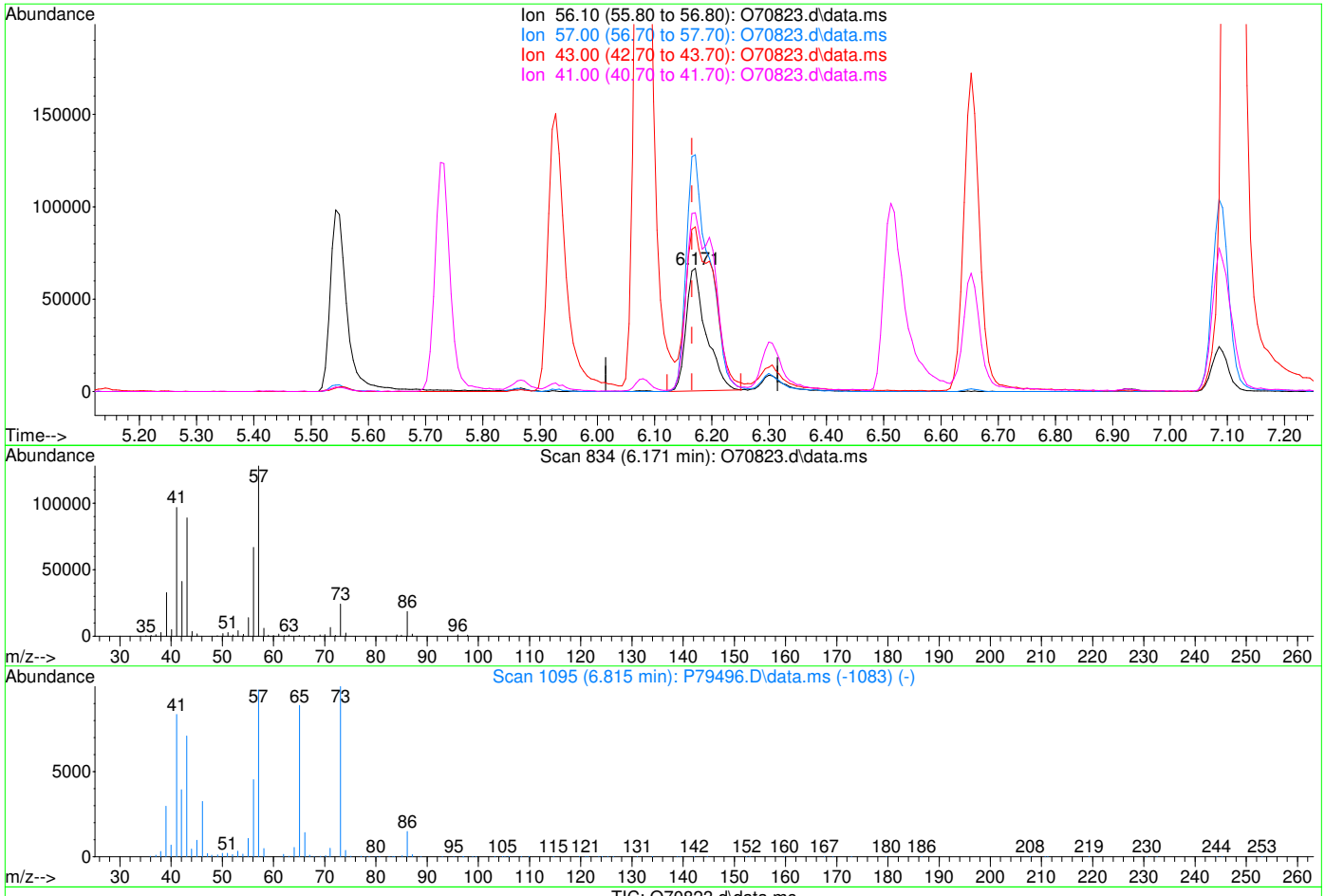
response 43421

Ion	Exp%	Act%
45.00	100	100
46.00	37.00	35.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:32:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



TIC: O70823.d\data.ms

(22) Hexane

6.171min (+0.006) 49.12ug/L

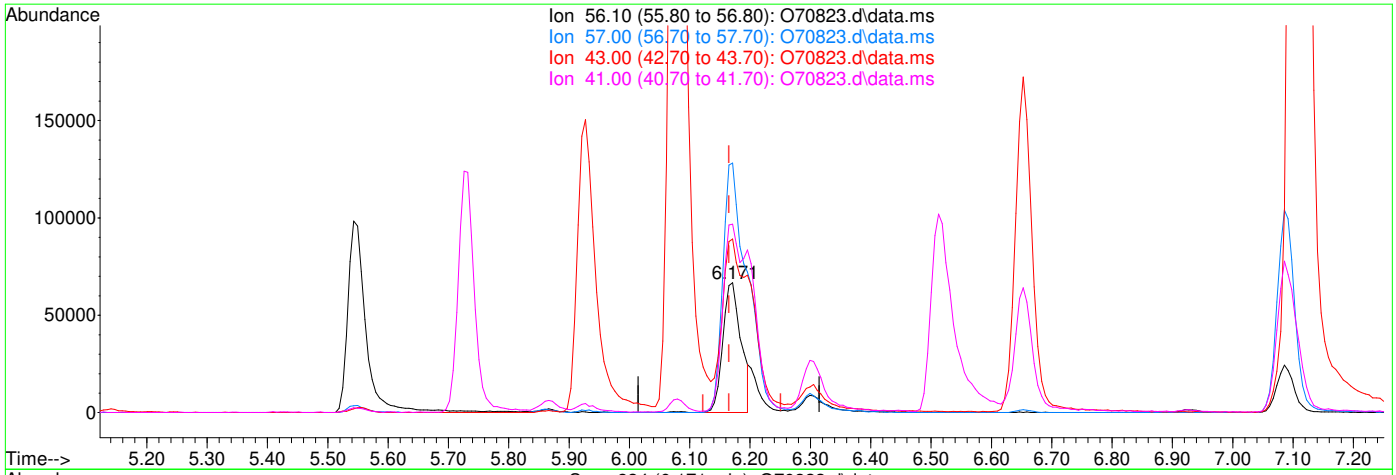
response 162065

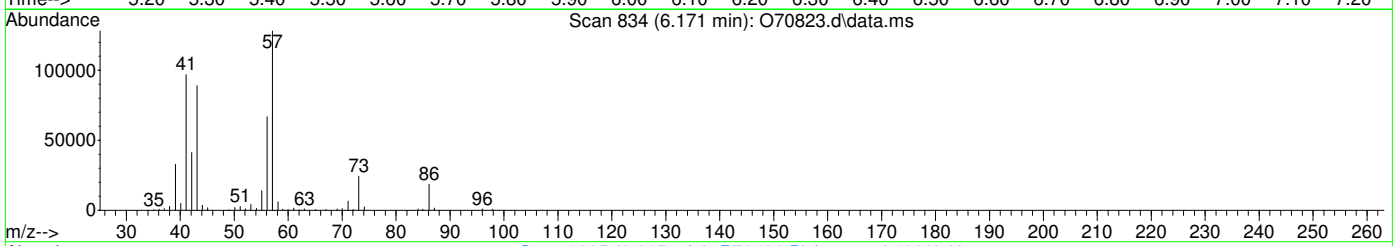
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	192.15
43.00	133.10	126.29
41.00	145.50	143.90

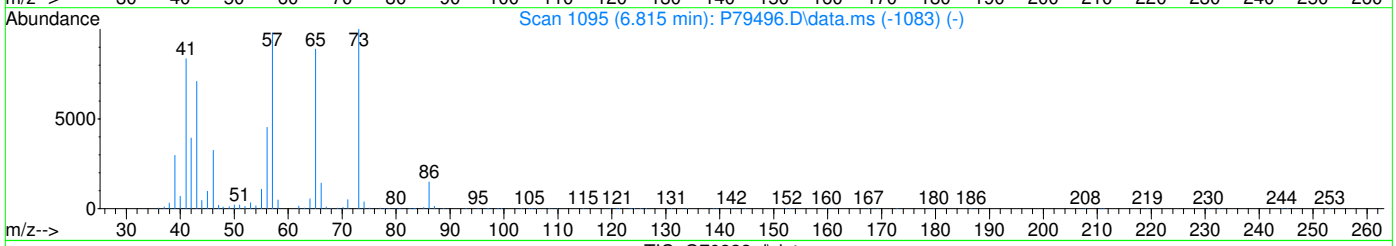
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:32:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70823.d\data.ms

(22) Hexane

6.171min (+0.006) 42.72ug/L m

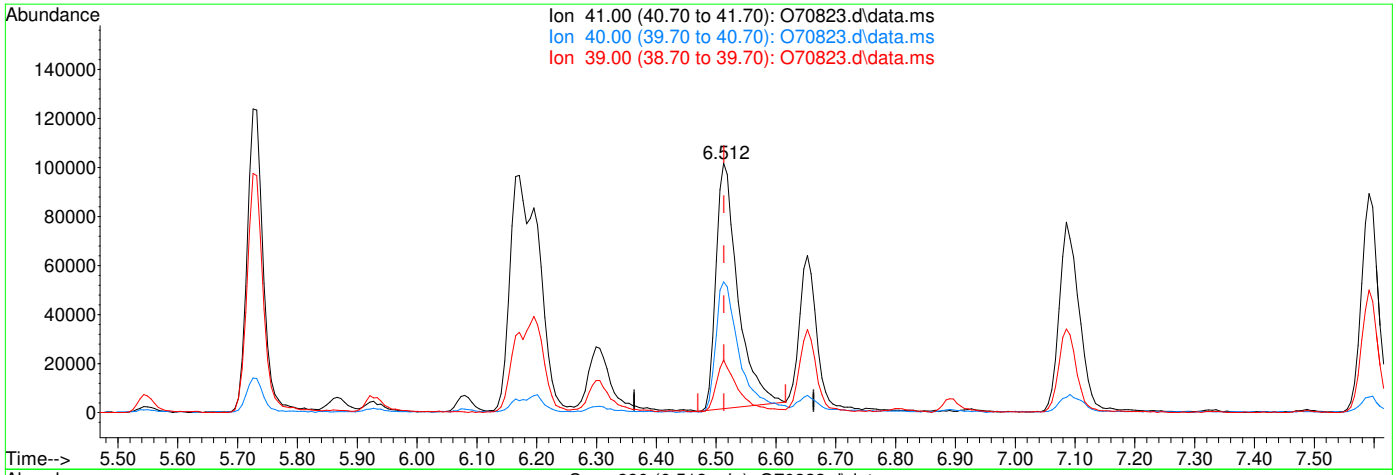
response 139876

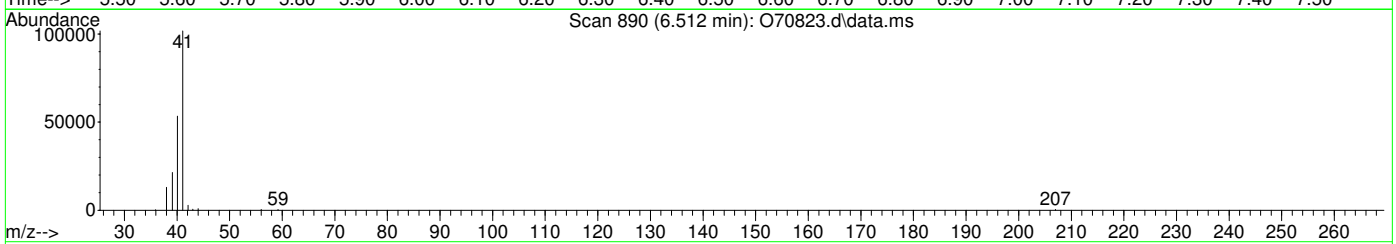
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	192.15
43.00	133.10	133.52
41.00	145.50	145.13

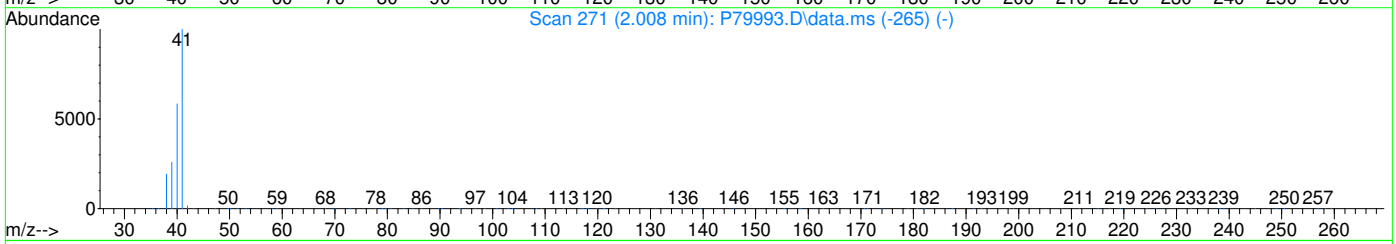
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:32:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70823.d\data.ms

(25) Acetonitrile

6.512min (-0.001) 357.50ug/L

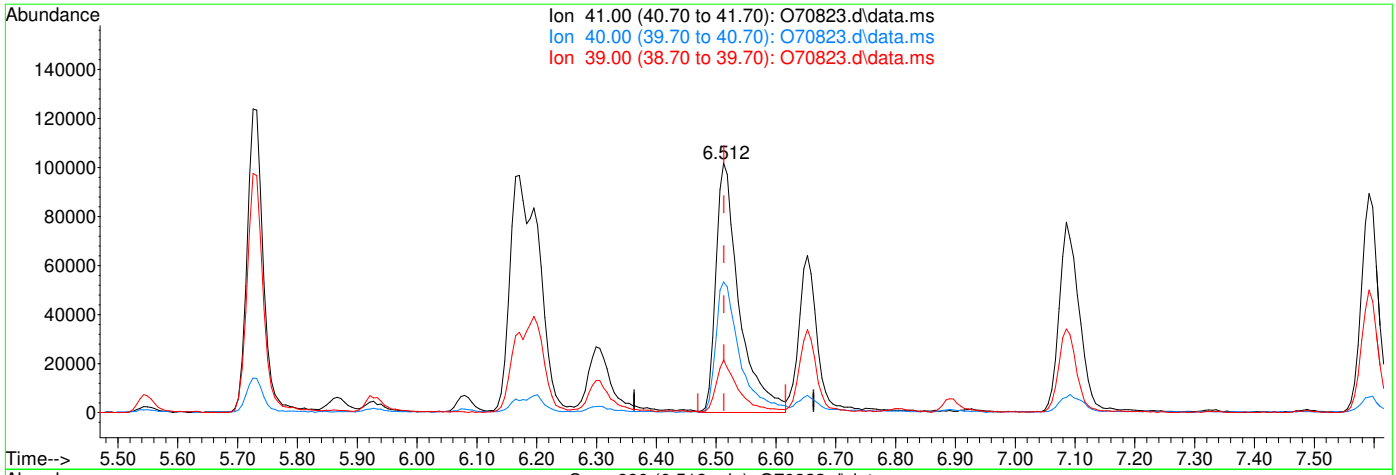
response 254032

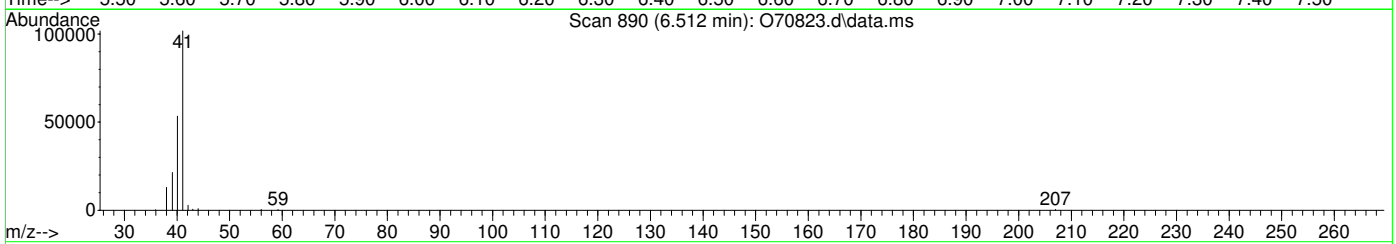
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	52.35
39.00	20.00	20.85
0.00	0.00	0.00

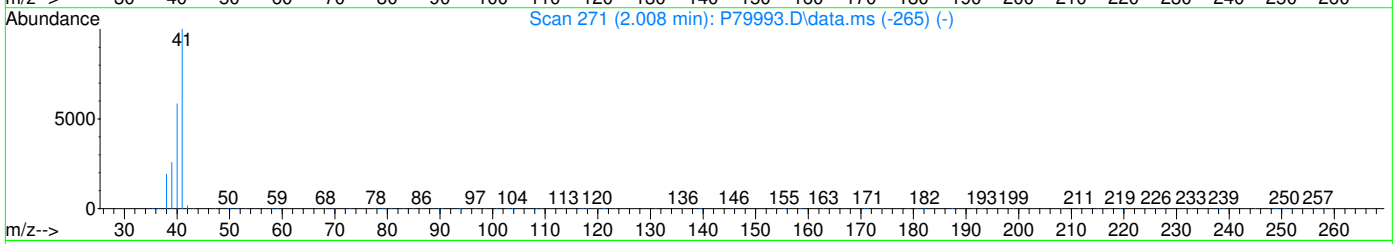
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:32:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70823.d\data.ms

(25) Acetonitrile

6.512min (-0.001) 387.51ug/L m

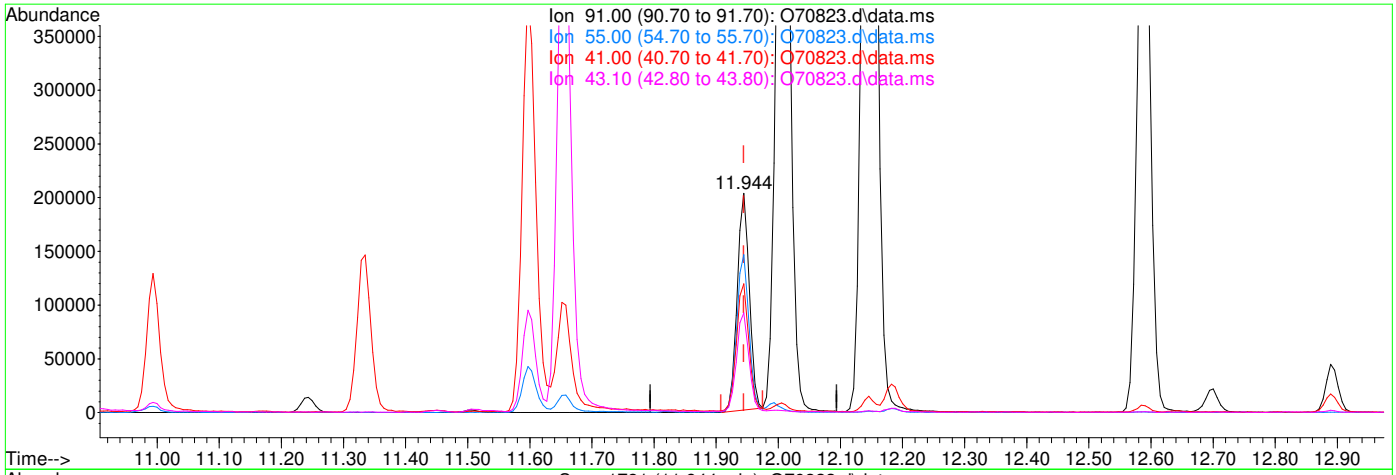
response 275422

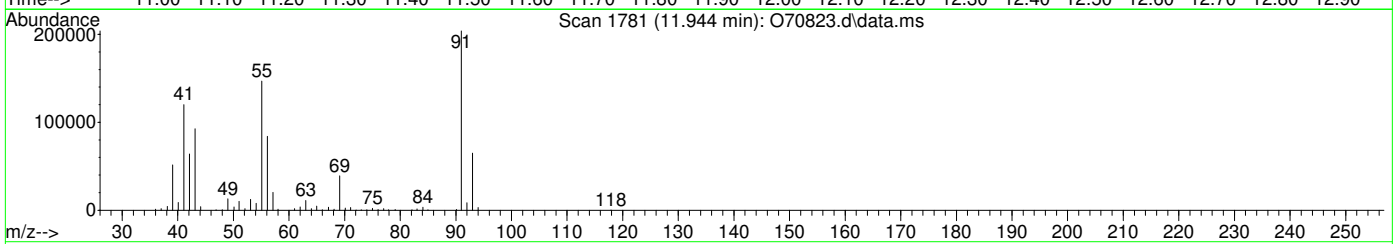
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	52.39
39.00	20.00	21.09
0.00	0.00	0.00

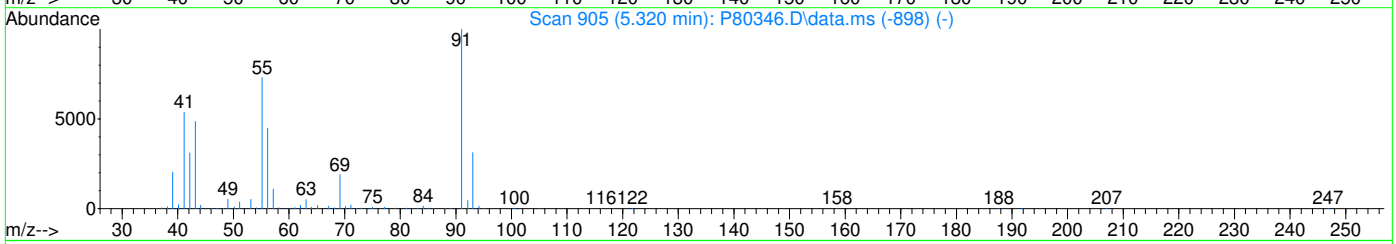
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:32:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70823.d\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 38.62ug/L

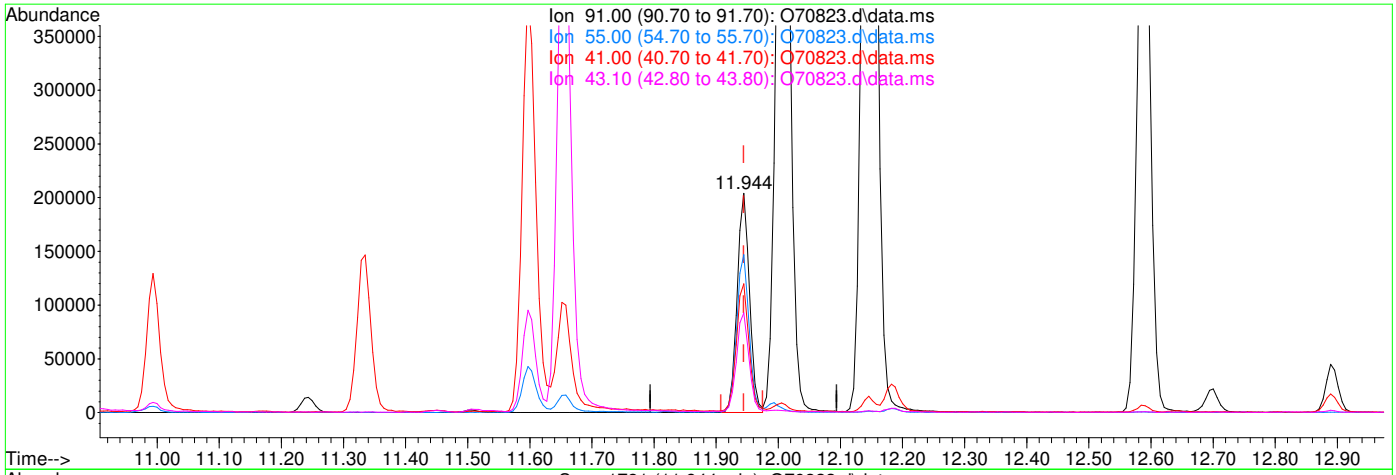
response 273378

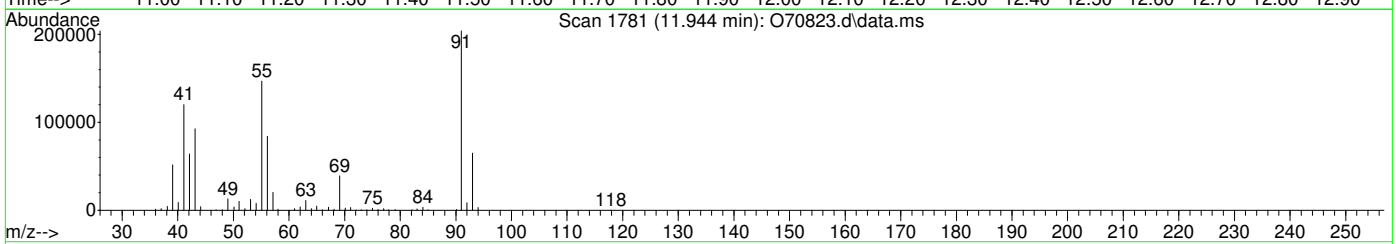
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	71.67
41.00	54.70	57.92
43.10	44.50	44.78

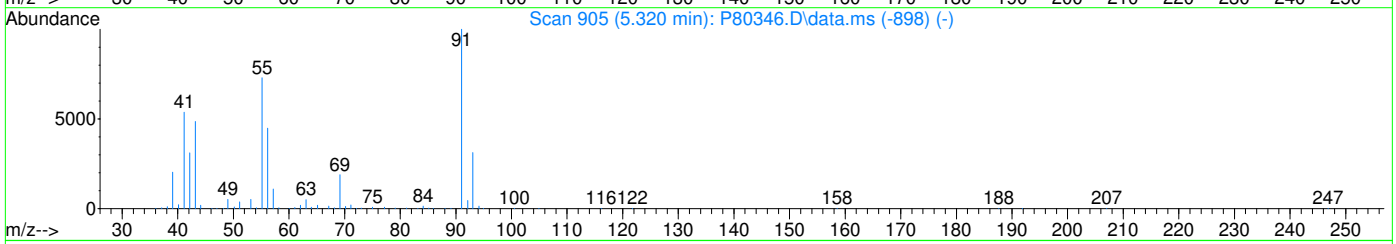
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:32:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70823.d\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 39.82ug/L m

response 281866

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	72.02
41.00	54.70	58.78
43.10	44.50	45.41

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 15:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:41:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1506735	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1281032	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	678437	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	427985	50.32	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.64%			
50) 1,2-Dichloroethane-d4	8.549	65	437248	49.97	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.94%			
63) Toluene-d8	10.426	98	1521723	47.38	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.76%			
86) 4-Bromofluorobenzene	13.206	174	525092	48.34	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.68%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	292327	54.46	ug/L	99
3) Chloromethane	3.202	50	269373	45.17	ug/L	100
4) 1,3-butadiene	3.379	39	195279	34.82	ug/L	99
5) Vinyl Chloride	3.349	62	308241	45.99	ug/L	99
6) Bromomethane	3.897	94	118425	35.47	ug/L	97
7) Chloroethane	4.105	64	204282	50.16	ug/L	99
8) Trichlorofluoromethane	4.330	101	460069	43.06	ug/L	99
9) Ethyl Ether	4.800	59	187451	39.43	ug/L	97
10) Ethanol	5.013	45	45146m	840.20	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	264712	43.08	ug/L	99
12) 1,1-Dichloroethene	5.086	61	364059	42.23	ug/L	98
13) Freon 113	5.141	101	264056	47.42	ug/L	95
14) Carbon Disulfide	5.129	76	669084	42.25	ug/L	100
15) Iodomethane	5.287	142	98914	28.85	ug/L	97
16) Acrolein	5.543	56	226717	195.11	ug/L	99
17) Allyl chloride	5.726	41	260034	36.39	ug/L	99
18) Methylene Chloride	5.866	49	366567	45.56	ug/L	99
19) Acetone	5.927	43	340989	196.24	ug/L	98
20) Methyl acetate	6.080	43	941237	210.08	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	350480	40.77	ug/L	98
22) Hexane	6.165	56	161251m	46.44	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	584630	39.03	ug/L	97
24) Tert Butyl Alcohol	6.305	59	200533	365.16	ug/L	95
25) Acetonitrile	6.513	41	295019m	393.16	ug/L	
26) Di-isopropyl ether	6.653	45	709799	40.34	ug/L	99
27) Chloroprene	6.805	53	58263	37.27	ug/L	96
28) 1,1-Dichloroethane	6.836	63	433241	40.81	ug/L	99
29) Acrylonitrile	6.891	52	388022	203.77	ug/L	100
30) ETBE	7.086	59	680783	39.90	ug/L	100
31) Vinyl acetate	7.110	43	2432705	207.91	ug/L	99
32) cis-1,2-Dichloroethene	7.470	96	255219	41.77	ug/L	99
33) 2,2-Dichloropropane	7.592	77	340455	40.89	ug/L	97
34) Bromochloromethane	7.695	128	142640	41.98	ug/L	97
35) Cyclohexane	7.707	56	412189	44.38	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:41:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	451571	40.16	ug/L	98
37) Ethyl acetate	7.872	43	1164413	203.34	ug/L	99
38) Tetrahydrofuran	7.957	42	72671	40.33	ug/L	95
40) Carbon Tetrachloride	7.933	117	366953	42.47	ug/L	97
41) 1,1,1-Trichloroethane	8.006	97	416640	41.89	ug/L	98
42) 2-Butanone	8.092	43	545358	190.99	ug/L	99
43) 1,1-Dichloropropene	8.140	75	341164	41.58	ug/L	99
44) tert-Butyl formate	8.244	59	770445	194.80	ug/L	99
45) Propionitrile	8.421	54	357005	379.11	ug/L	97
46) Methacrylonitrile	8.445	41	1717182	393.65	ug/L	99
47) Benzene	8.409	78	954956	40.23	ug/L	98
48) TAME	8.494	73	581101	40.27	ug/L	99
49) Isobutyl alcohol	8.567	43	158521	823.88	ug/L	97
51) 1,2-Dichloroethane	8.622	62	364369	39.59	ug/L	99
52) Tert Amyl Alcohol	8.677	59	145733	395.30	ug/L	97
53) Trichloroethene	9.012	95	272996	42.68	ug/L	99
54) Methylcyclohexane	9.012	83	351340	46.10	ug/L	98
55) Dibromomethane	9.463	93	158744	39.38	ug/L	94
56) 1,2-Dichloropropane	9.555	63	238936	40.48	ug/L	99
57) Bromodichloromethane	9.603	83	305404	40.70	ug/L	97
58) Methyl methacrylate	9.725	41	185674	37.79	ug/L	98
59) 1,4-Dioxane	9.811	88	46454	916.17	ug/L	95
60) 2-Chloroethyl vinyl ether	10.146	63	809432	200.72	ug/L	99
61) cis-1,3-Dichloropropene	10.238	75	346315	41.19	ug/L	99
64) Toluene	10.481	91	1034021	37.43	ug/L	99
65) 2-Nitropropane	10.713	41	315660	192.03	ug/L	100
66) 4-Methyl-2-pentanone	10.829	43	1188513	182.14	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	316874	39.84	ug/L	97
68) Tetrachloroethene	10.878	166	318906	38.75	ug/L	99
69) Ethyl methacrylate	10.993	69	273657	36.23	ug/L	97
70) 1,1,2-Trichloroethane	11.048	83	186898	37.46	ug/L	96
71) Dibromochloromethane	11.243	129	264250	38.40	ug/L	98
72) 1,3-Dichloropropane	11.335	76	374740	36.26	ug/L	99
73) 1,2-Dibromoethane	11.506	107	238052	37.19	ug/L	100
74) 3,3-dimethyl-1-butanol	11.597	57	878688	1931.22	ug/L	100
75) 2-hexanone	11.652	43	828577	188.29	ug/L	99
76) 1-Chlorohexane	11.944	91	311856m	41.24	ug/L	
77) Ethylbenzene	12.005	91	1202220	37.95	ug/L	99
78) Chlorobenzene	12.012	112	711069	37.70	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	254861	39.01	ug/L	97
80) m,p-Xylene	12.146	91	1853555	77.52	ug/L	99
81) o-Xylene	12.591	91	872810	37.78	ug/L	97
82) Styrene	12.639	104	658960	40.70	ug/L	98
83) Bromoform	12.700	173	161645	39.11	ug/L	99
84) Isopropylbenzene	12.889	105	1098086	39.06	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	84182	35.79	ug/L	92
88) n-Propylbenzene	13.310	91	1263525	37.53	ug/L	99
89) Bromobenzene	13.334	156	311332	36.34	ug/L	98
90) 1,1,2,2-Tetrachloroethane	13.377	83	306075	36.32	ug/L	99
91) 1,3,5-Trimethylbenzene	13.493	105	908678	37.82	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:41:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

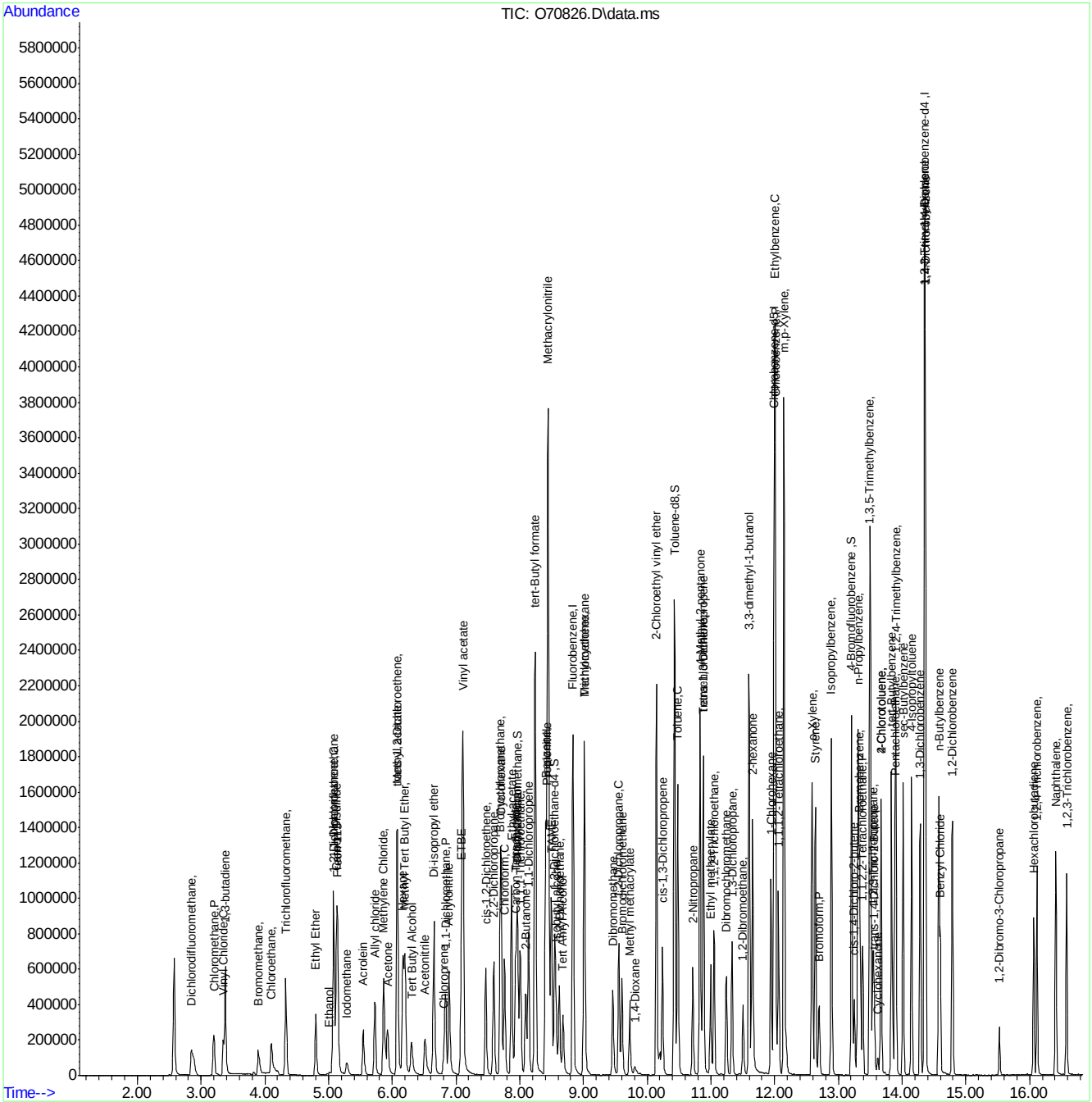
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	768624	36.91	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.566	53	79186	36.82	ug/L	#	76
94) 1,2,3-Trichloropropane	13.542	110	98848	36.71	ug/L		94
95) Cyclohexanone	13.621	55	38331	191.87	ug/L		96
96) 4-Chlorotoluene	13.670	91	768624	36.91	ug/L		100
97) tert-Butylbenzene	13.834	91	481707	37.35	ug/L		99
99) 1,2,4-Trimethylbenzene	13.901	105	889890	38.23	ug/L		99
100) Pentachloroethane	13.889	167	162876	36.36	ug/L		97
101) sec-Butylbenzene	14.017	105	984312	38.26	ug/L		100
102) 4-Isopropyltoluene	14.151	119	883857	39.20	ug/L		99
103) 1,3-Dichlorobenzene	14.285	146	542495	36.40	ug/L		98
104) 1,2,3-Trimethylbenzene	14.359	105	906639	36.74	ug/L		99
105) 1,4-Dichlorobenzene	14.365	146	589158	38.39	ug/L		97
106) n-Butylbenzene	14.578	92	434259	38.81	ug/L		99
107) Benzyl Chloride	14.602	126	96158	36.68	ug/L		97
108) 1,2-Dichlorobenzene	14.791	146	518677	36.57	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	15.529	75	46154	34.61	ug/L		97
110) Hexachlorobutadiene	16.066	225	124741	38.74	ug/L		97
111) 1,2,4-Trichlorobenzene	16.121	180	307132	35.93	ug/L		99
112) Naphthalene	16.413	128	802360	36.09	ug/L		99
113) 1,2,3-Trichlorobenzene	16.584	180	302628	35.94	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:41:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

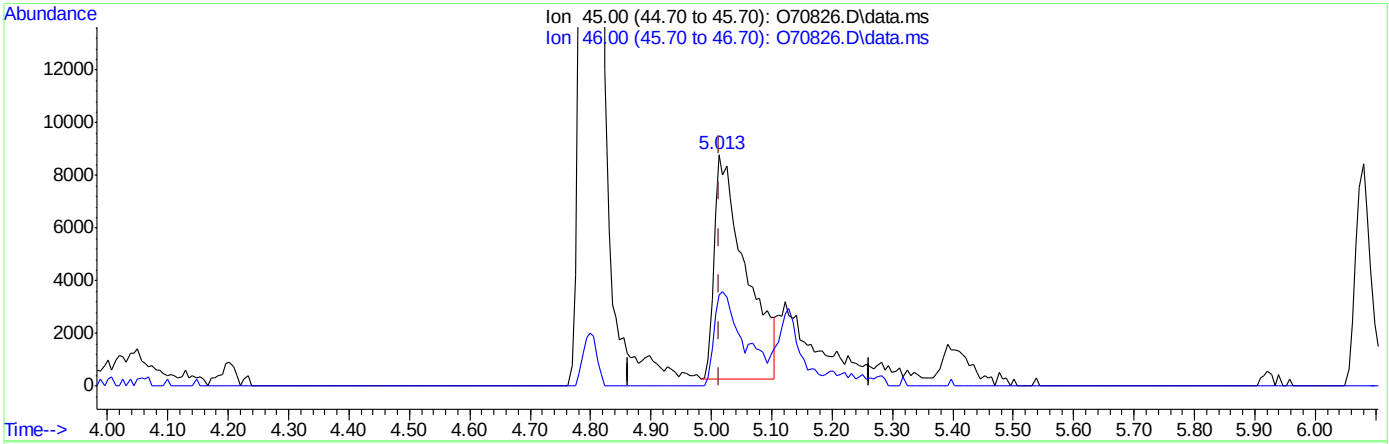
Sample Number: VO2809-CC2796
Lab FileID: O70826.D
Injection Time: 09/02/22 12:22
Method: SW846 8260D
Analyst approved: 09/02/22 12:44 Jo-Ann Lugo De Jesus
Supervisor approved: 09/07/22 15:45 Karen Watson

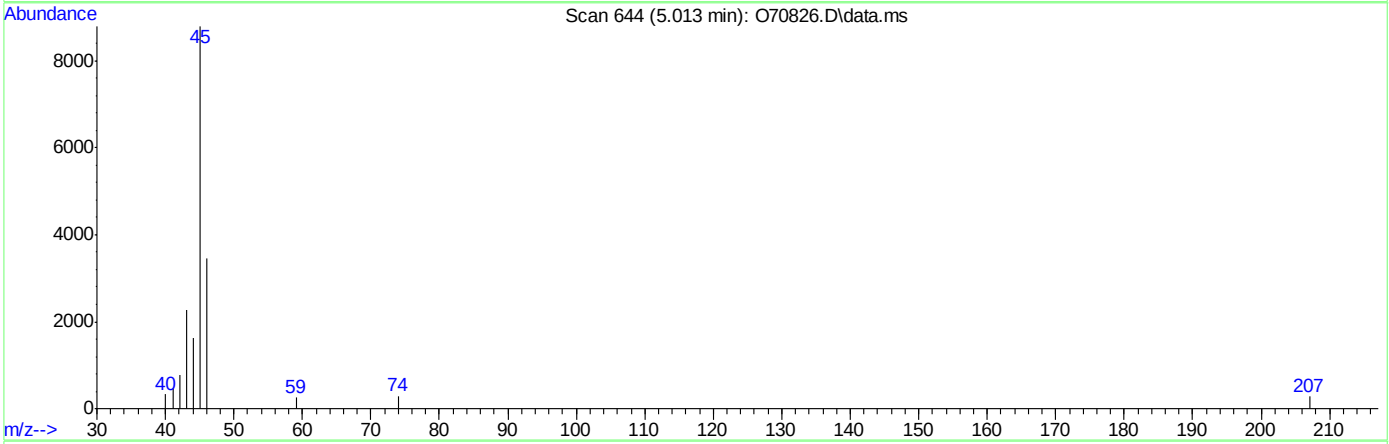
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(10) Ethanol

5.013min (-0.000) 576.56ug/L

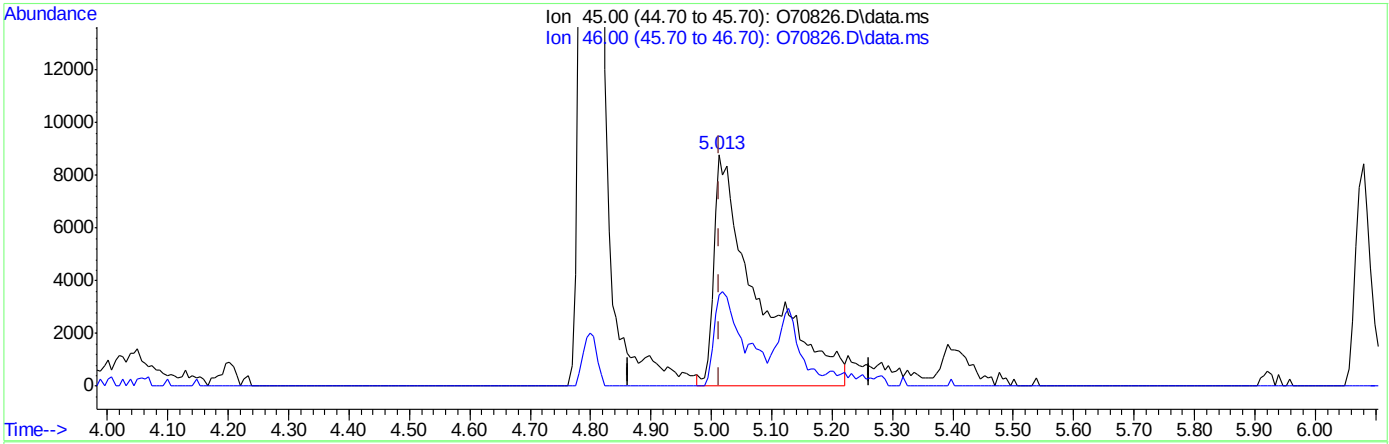
response 30607

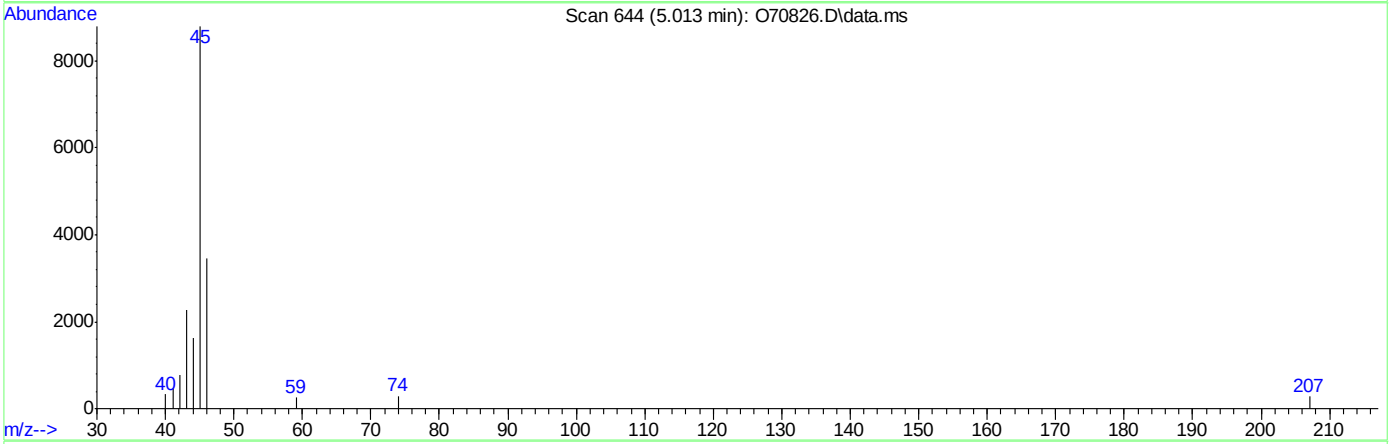
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	40.63
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(10) Ethanol

5.013min (-0.000) 840.20ug/L m

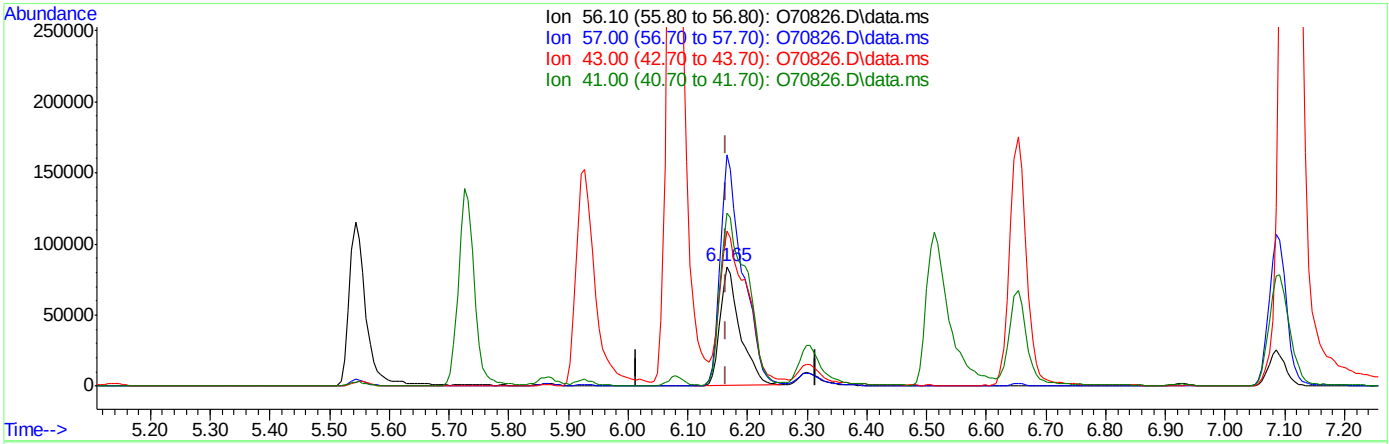
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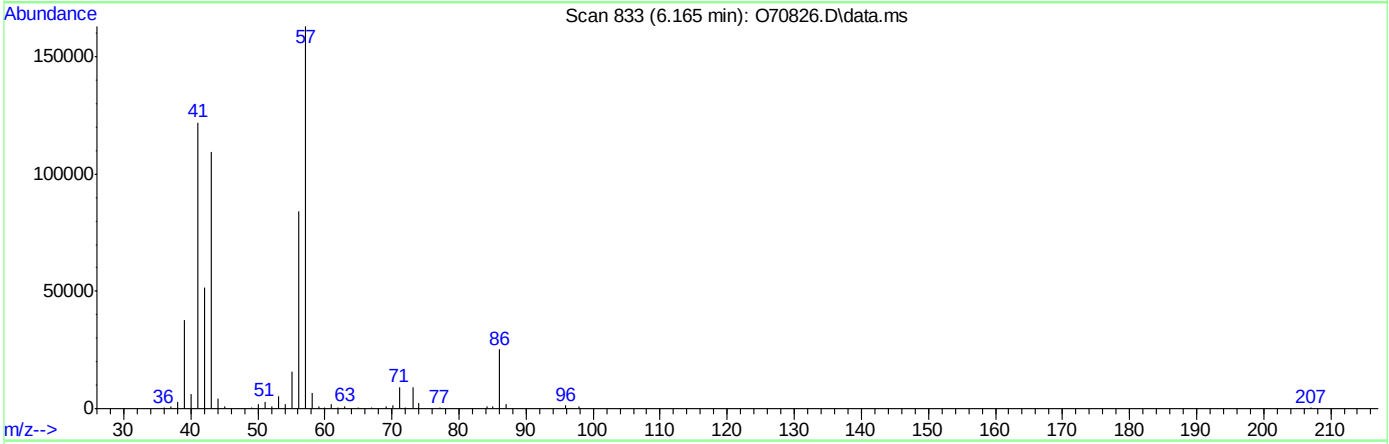
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	39.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(22) Hexane

6.165min (+0.000) 55.27ug/L

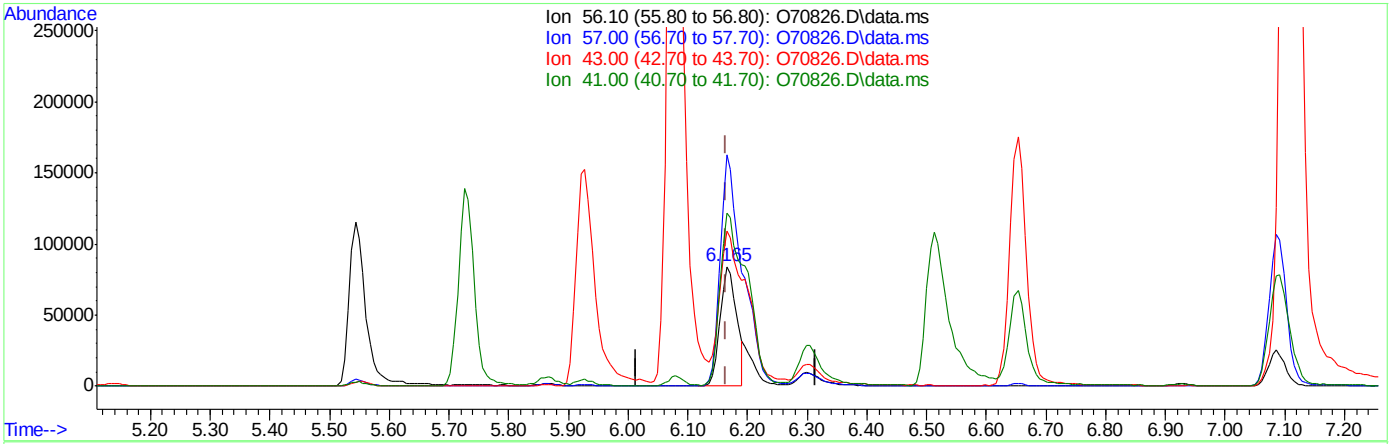
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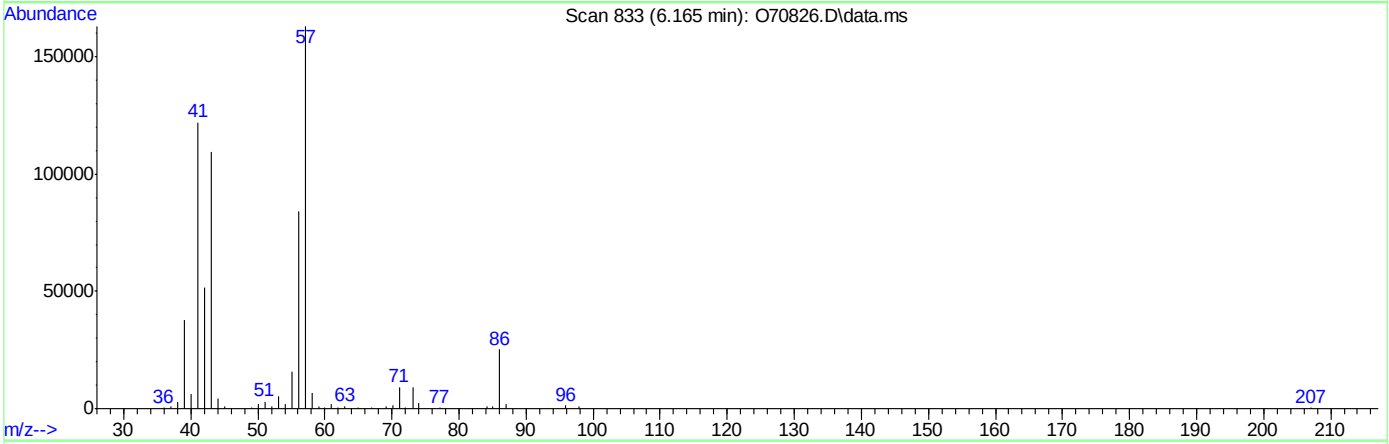
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	193.69
43.00	133.10	124.24
41.00	145.50	143.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(22) Hexane

6.165min (+0.000) 46.44ug/L m

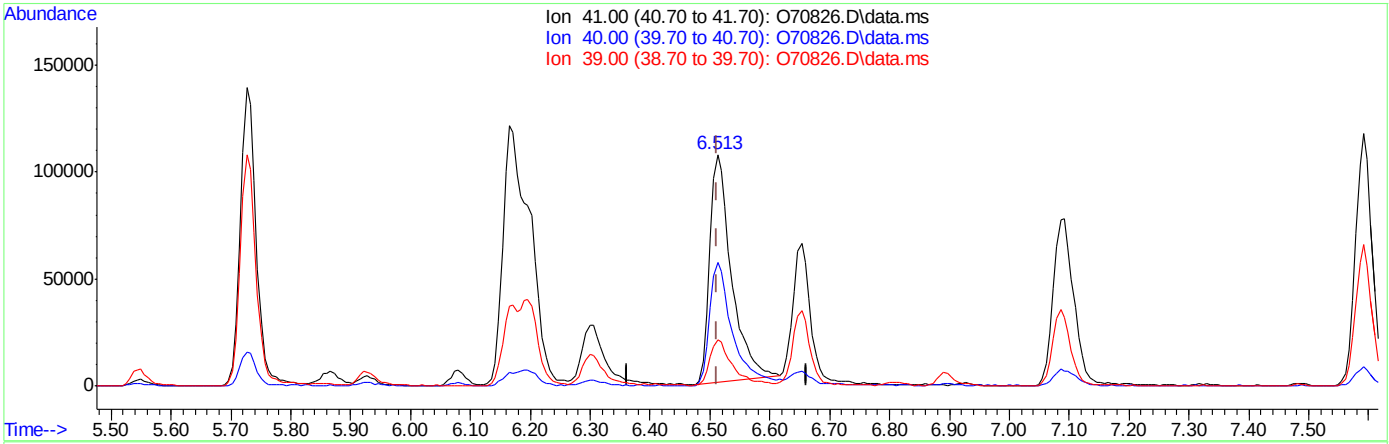
response 161251

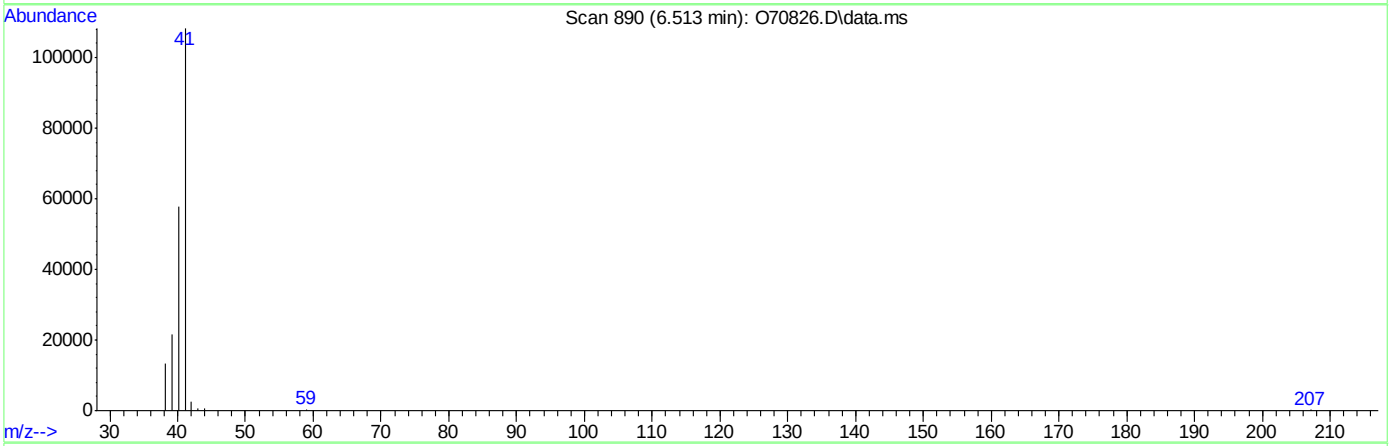
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	193.69
43.00	133.10	130.14
41.00	145.50	144.89

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 358.13ug/L

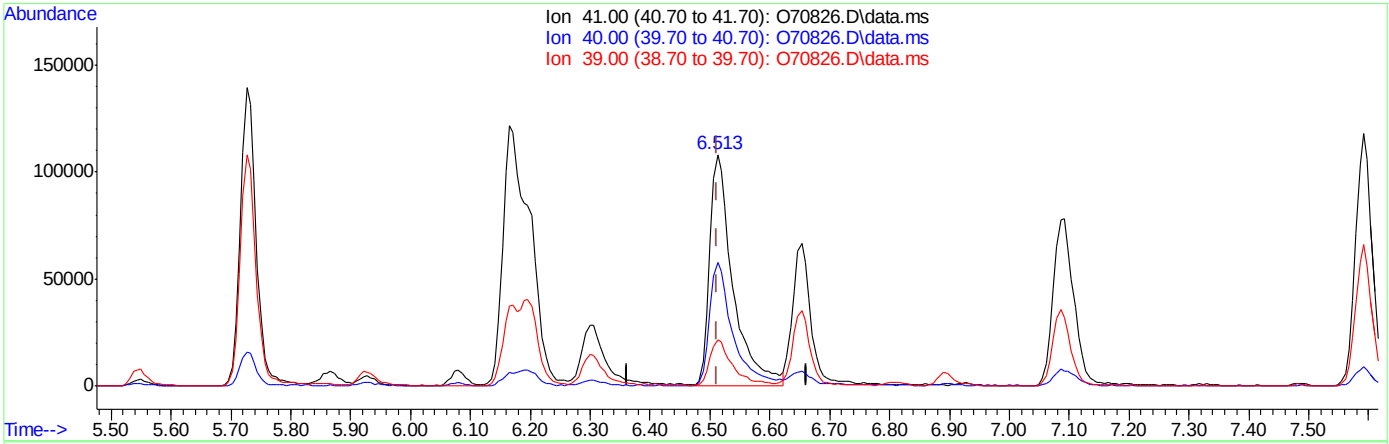
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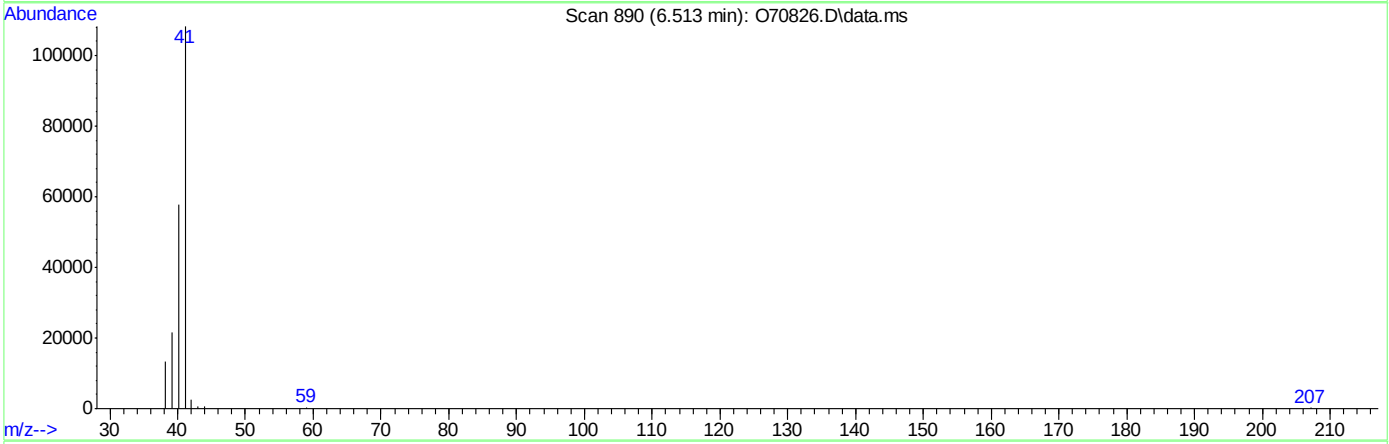
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	53.26
39.00	20.00	19.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 393.16ug/L m

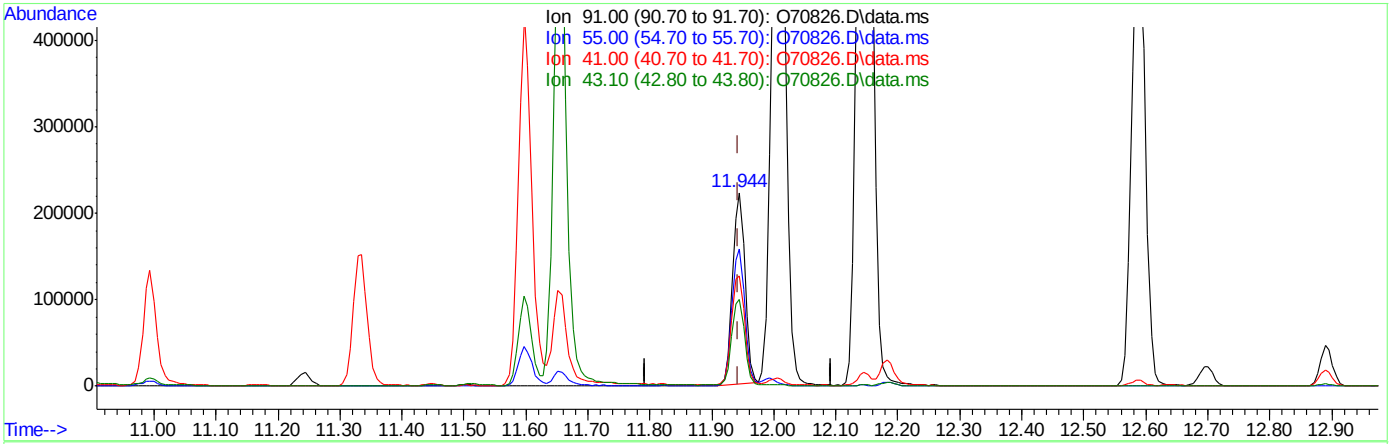
response 295019

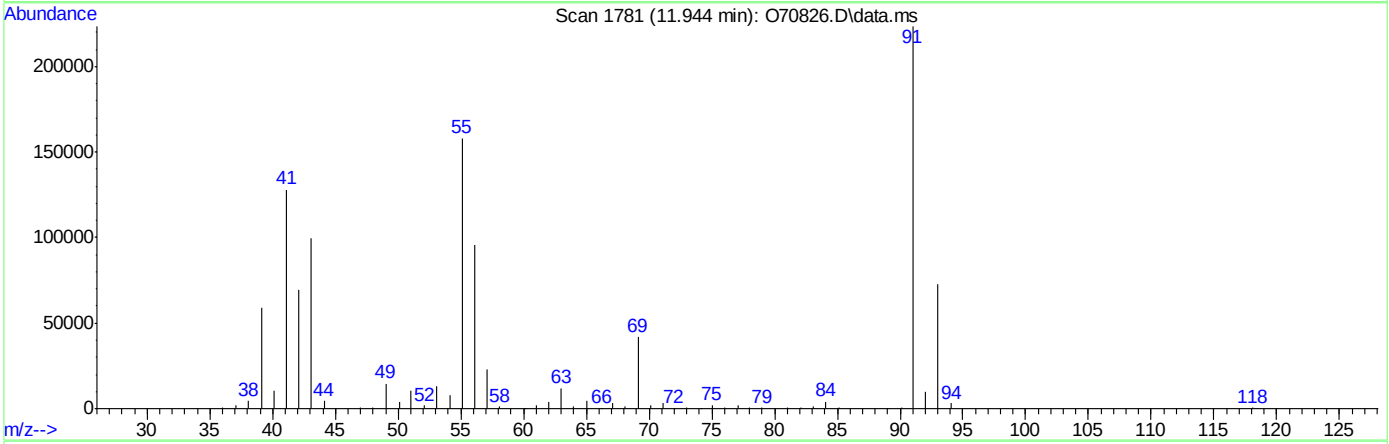
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	53.28
39.00	20.00	20.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 40.02ug/L

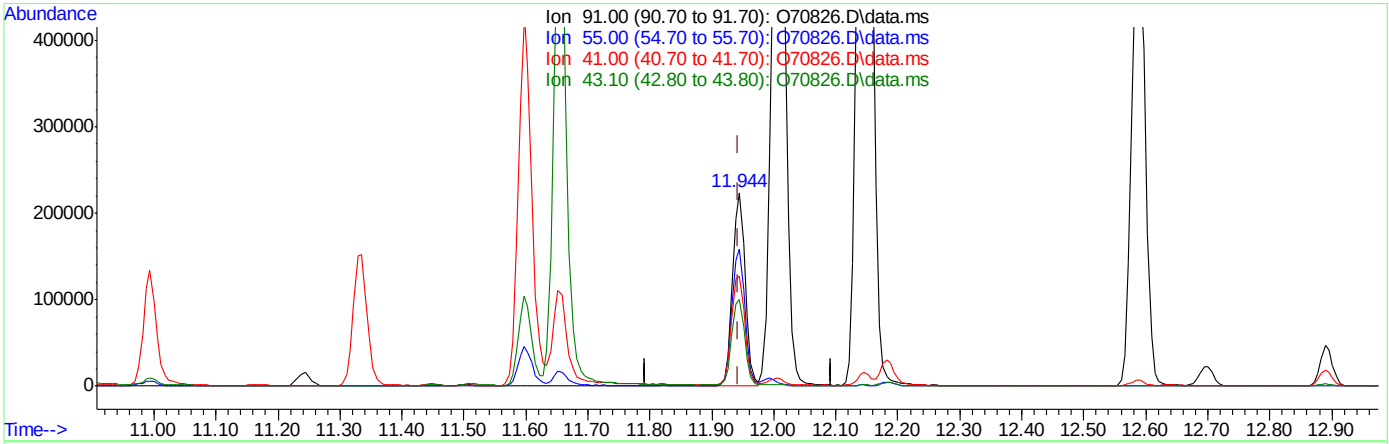
response 302608

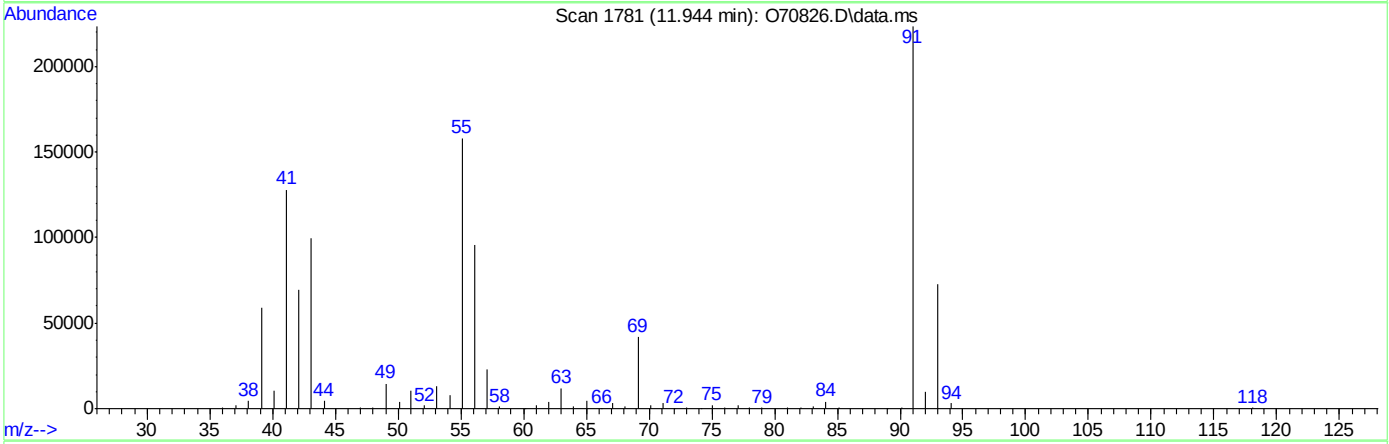
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.33
41.00	54.70	56.46
43.10	44.50	44.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 41.24ug/L m

response 311856

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.72
41.00	54.70	57.19
43.10	44.50	44.63

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 15:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:51:58 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1471019	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1240766	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	653354	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	408940	49.25	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.50%			
50) 1,2-Dichloroethane-d4	8.549	65	415973	48.69	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.38%			
63) Toluene-d8	10.427	98	1485145	47.74	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.48%			
86) 4-Bromofluorobenzene	13.206	174	508119	48.57	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.14%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	292833	55.88	ug/L	98
3) Chloromethane	3.196	50	273319	46.97	ug/L	100
4) 1,3-butadiene	3.379	39	201206	36.78	ug/L	96
5) Vinyl Chloride	3.349	62	308794	47.21	ug/L	99
6) Bromomethane	3.897	94	126783	38.94	ug/L	99
7) Chloroethane	4.105	64	201072	50.70	ug/L	97
8) Trichlorofluoromethane	4.330	101	453764	43.50	ug/L	98
9) Ethyl Ether	4.800	59	187574	40.41	ug/L	96
10) Ethanol	5.013	45	38306m	733.78	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	259333	43.23	ug/L	98
12) 1,1-Dichloroethene	5.086	61	365984	43.49	ug/L	99
13) Freon 113	5.141	101	254770	46.89	ug/L	98
14) Carbon Disulfide	5.129	76	661825	42.77	ug/L	99
15) Iodomethane	5.287	142	128305	36.09	ug/L	97
16) Acrolein	5.543	56	192520	169.71	ug/L	100
17) Allyl chloride	5.726	41	254247	36.44	ug/L	97
18) Methylene Chloride	5.866	49	366578	46.67	ug/L	99
19) Acetone	5.927	43	313046	184.77	ug/L	100
20) Methyl acetate	6.080	43	914012	208.95	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	351459	41.88	ug/L	97
22) Hexane	6.165	56	154526m	45.63	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	588039	40.21	ug/L	98
24) Tert Butyl Alcohol	6.299	59	185928	346.79	ug/L	96
25) Acetonitrile	6.513	41	268407m	366.46	ug/L	
26) Di-isopropyl ether	6.653	45	711324	41.41	ug/L	99
27) Chloroprene	6.805	53	57240	37.49	ug/L	97
28) 1,1-Dichloroethane	6.836	63	435459	42.02	ug/L	98
29) Acrylonitrile	6.891	52	363489	195.52	ug/L	97
30) ETBE	7.086	59	693027	41.61	ug/L	98
31) Vinyl acetate	7.110	43	2214939	193.90	ug/L	100
32) cis-1,2-Dichloroethene	7.470	96	255298	42.78	ug/L	98
33) 2,2-Dichloropropane	7.592	77	282144	34.71	ug/L	97
34) Bromochloromethane	7.695	128	141224	42.57	ug/L	97
35) Cyclohexane	7.708	56	412828	45.53	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:51:58 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	450533	41.04	ug/L	97
37) Ethyl acetate	7.872	43	1074116	192.13	ug/L	100
38) Tetrahydrofuran	7.957	42	67170	38.20	ug/L	92
40) Carbon Tetrachloride	7.933	117	362126	42.93	ug/L	98
41) 1,1,1-Trichloroethane	8.006	97	417401	42.99	ug/L	100
42) 2-Butanone	8.092	43	491664	176.37	ug/L	99
43) 1,1-Dichloropropene	8.140	75	339627	42.39	ug/L	98
44) tert-Butyl formate	8.244	59	746646	193.36	ug/L	98
45) Propionitrile	8.421	54	324765	354.04	ug/L	99
46) Methacrylonitrile	8.445	41	1618866	380.24	ug/L	99
47) Benzene	8.409	78	959808	41.42	ug/L	97
48) TAME	8.494	73	589638	41.80	ug/L	99
49) Isobutyl alcohol	8.567	43	134768	721.05	ug/L	99
51) 1,2-Dichloroethane	8.622	62	362076	40.29	ug/L	98
52) Tert Amyl Alcohol	8.677	59	125542	348.80	ug/L	94
53) Trichloroethene	9.012	95	268877	43.04	ug/L	99
54) Methylcyclohexane	9.012	83	346506	46.53	ug/L	97
55) Dibromomethane	9.457	93	157821	40.10	ug/L	95
56) 1,2-Dichloropropane	9.555	63	244604	42.44	ug/L	96
57) Bromodichloromethane	9.604	83	302193	41.25	ug/L	99
58) Methyl methacrylate	9.725	41	178178	37.19	ug/L	98
59) 1,4-Dioxane	9.805	88	40376	812.59	ug/L	93
60) 2-Chloroethyl vinyl ether	10.146	63	784915	199.46	ug/L	99
61) cis-1,3-Dichloropropene	10.238	75	333857	40.67	ug/L	97
64) Toluene	10.481	91	1036178	38.73	ug/L	99
65) 2-Nitropropane	10.713	41	277312	174.17	ug/L	96
66) 4-Methyl-2-pentanone	10.829	43	1119659	177.16	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	302669	39.29	ug/L	94
68) Tetrachloroethene	10.884	166	344715	43.24	ug/L	95
69) Ethyl methacrylate	10.993	69	267106	36.50	ug/L	97
70) 1,1,2-Trichloroethane	11.048	83	185244	38.33	ug/L	96
71) Dibromochloromethane	11.243	129	257390	38.62	ug/L	99
72) 1,3-Dichloropropane	11.335	76	369131	36.88	ug/L	99
73) 1,2-Dibromoethane	11.506	107	234431	37.82	ug/L	97
74) 3,3-dimethyl-1-butanol	11.597	57	786826	1801.10	ug/L	100
75) 2-hexanone	11.652	43	760656	178.46	ug/L	100
76) 1-Chlorohexane	11.945	91	297707	40.65	ug/L	98
77) Ethylbenzene	12.005	91	1193679	38.90	ug/L	99
78) Chlorobenzene	12.012	112	704571	38.57	ug/L	100
79) 1,1,1,2-Tetrachloroethane	12.060	131	254115	40.16	ug/L	97
80) m,p-Xylene	12.146	91	1838101	79.37	ug/L	99
81) o-Xylene	12.585	91	875469	39.12	ug/L	100
82) Styrene	12.640	104	654540	41.74	ug/L	99
83) Bromoform	12.700	173	150144	37.51	ug/L	99
84) Isopropylbenzene	12.889	105	1098310	40.33	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	70937	31.64	ug/L	90
88) n-Propylbenzene	13.310	91	1249980	38.56	ug/L	99
89) Bromobenzene	13.335	156	310825	37.67	ug/L	98
90) 1,1,2,2-Tetrachloroethane	13.377	83	290158	35.75	ug/L	99
91) 1,3,5-Trimethylbenzene	13.493	105	905575	39.14	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:51:58 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

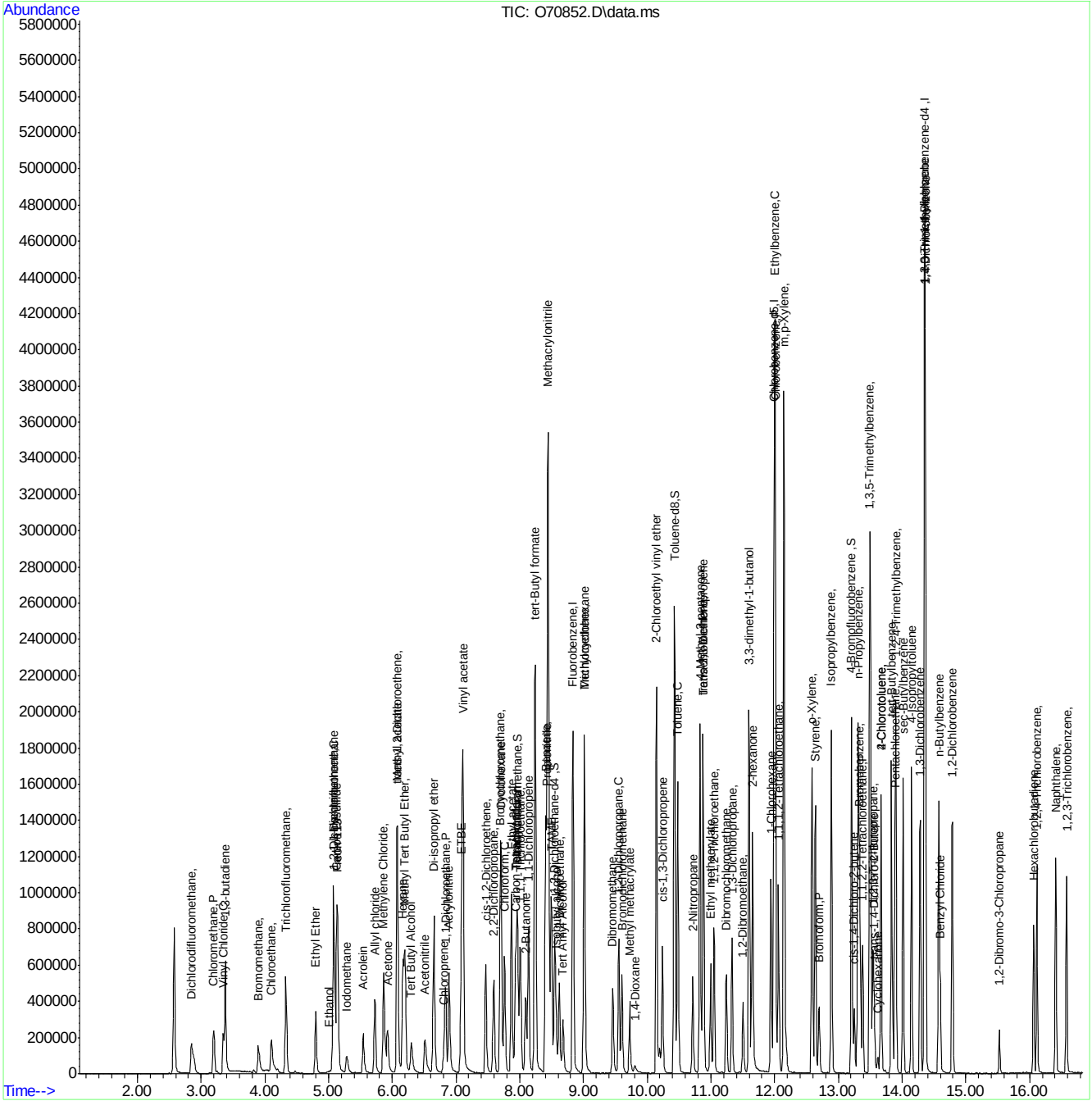
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	13.670	91	762155	38.00	ug/L		100
93)	trans-1,4-Dichloro-2-B...	13.566	53	65998	31.86	ug/L	#	75
94)	1,2,3-Trichloropropane	13.542	110	94756	36.54	ug/L		96
95)	Cyclohexanone	13.621	55	33687	175.07	ug/L		98
96)	4-Chlorotoluene	13.670	91	762155	38.00	ug/L		99
97)	tert-Butylbenzene	13.834	91	478062	38.49	ug/L		98
99)	1,2,4-Trimethylbenzene	13.901	105	874100	38.99	ug/L		98
100)	Pentachloroethane	13.889	167	136251	31.80	ug/L		97
101)	sec-Butylbenzene	14.017	105	976511	39.41	ug/L		99
102)	4-Isopropyltoluene	14.145	119	870807	40.10	ug/L		98
103)	1,3-Dichlorobenzene	14.286	146	541807	37.75	ug/L		99
104)	1,2,3-Trimethylbenzene	14.359	105	905533	38.10	ug/L		99
105)	1,4-Dichlorobenzene	14.365	146	582338	39.39	ug/L		97
106)	n-Butylbenzene	14.578	92	408288	37.89	ug/L		100
107)	Benzyl Chloride	14.603	126	64577	26.88	ug/L		100
108)	1,2-Dichlorobenzene	14.792	146	511567	37.46	ug/L		99
109)	1,2-Dibromo-3-Chloropr...	15.529	75	41760	32.52	ug/L		97
110)	Hexachlorobutadiene	16.066	225	118787	38.30	ug/L		98
111)	1,2,4-Trichlorobenzene	16.121	180	301420	36.62	ug/L		98
112)	Naphthalene	16.413	128	777963	36.33	ug/L		99
113)	1,2,3-Trichlorobenzene	16.584	180	297320	36.66	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:51:58 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

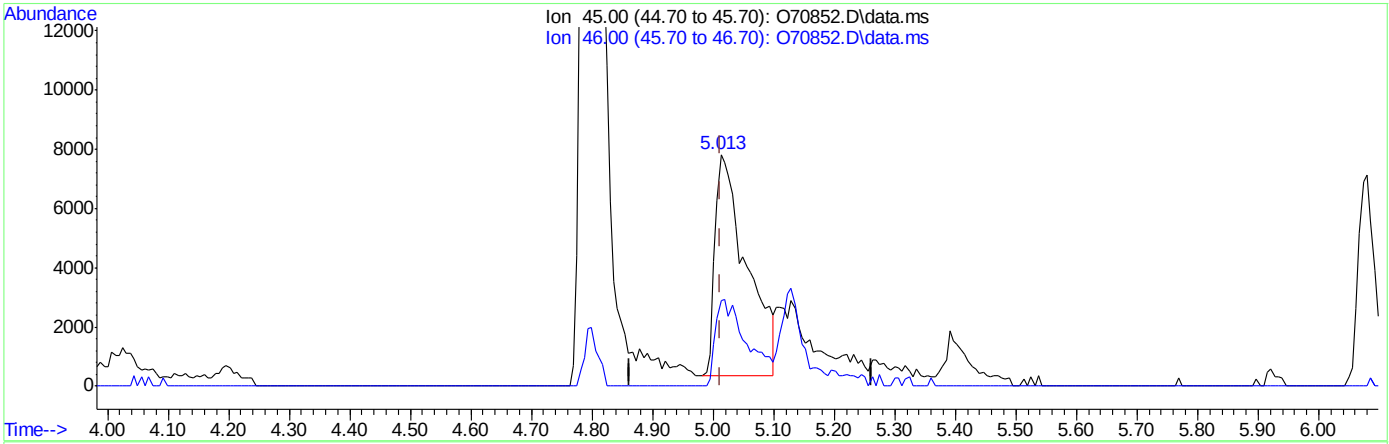
Sample Number: VO2809-ECC2796
Lab FileID: O70852.D
Injection Time: 09/02/22 23:09
Method: SW846 8260D
Analyst approved: 09/07/22 14:58 Adelard Lefebvre
Supervisor approved: 09/07/22 15:45 Karen Watson

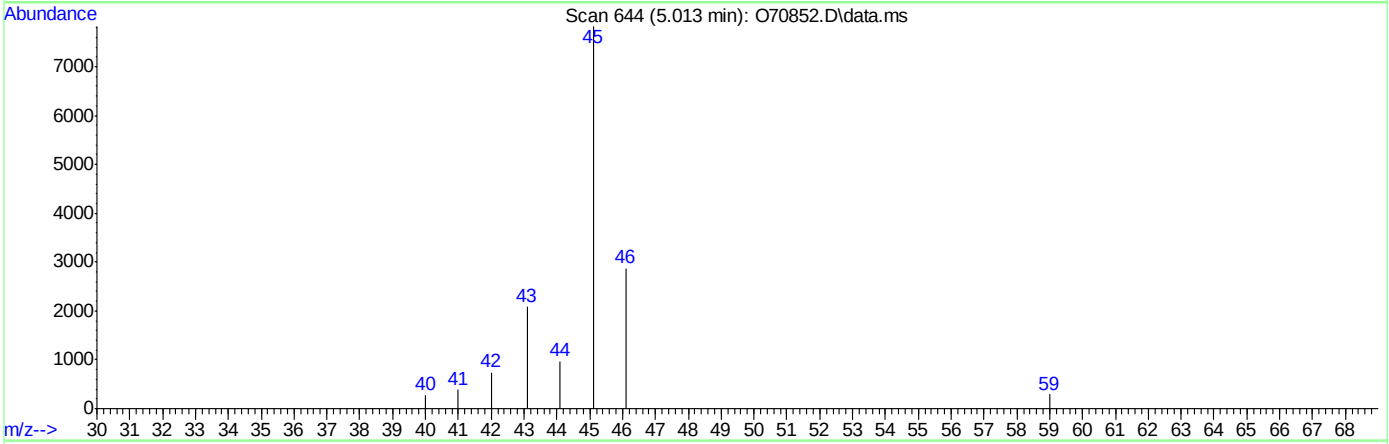
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:50:24 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70852.D\data.ms

(10) Ethanol

5.013min (-0.000) 518.02ug/L

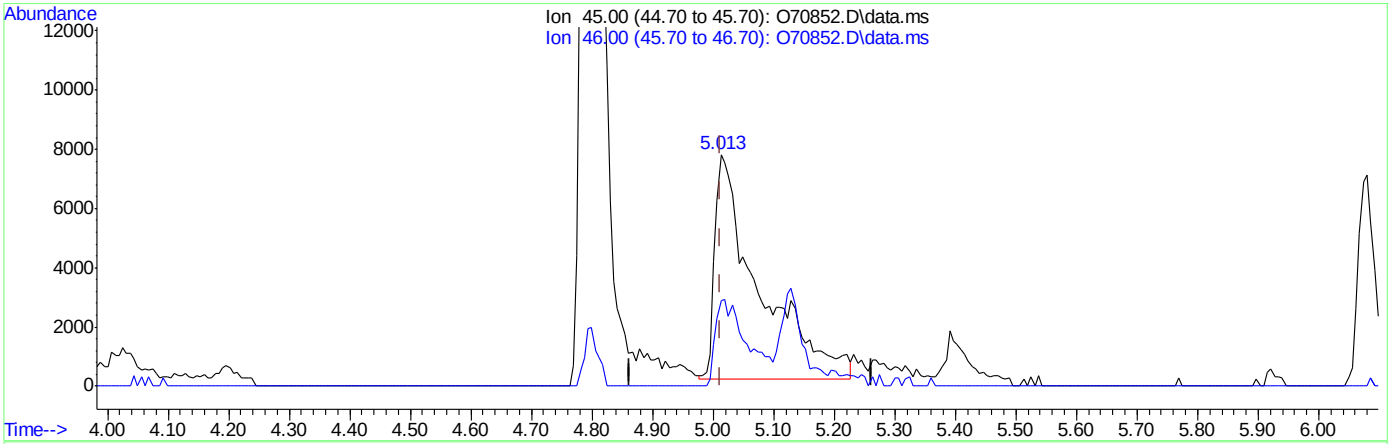
response 26775

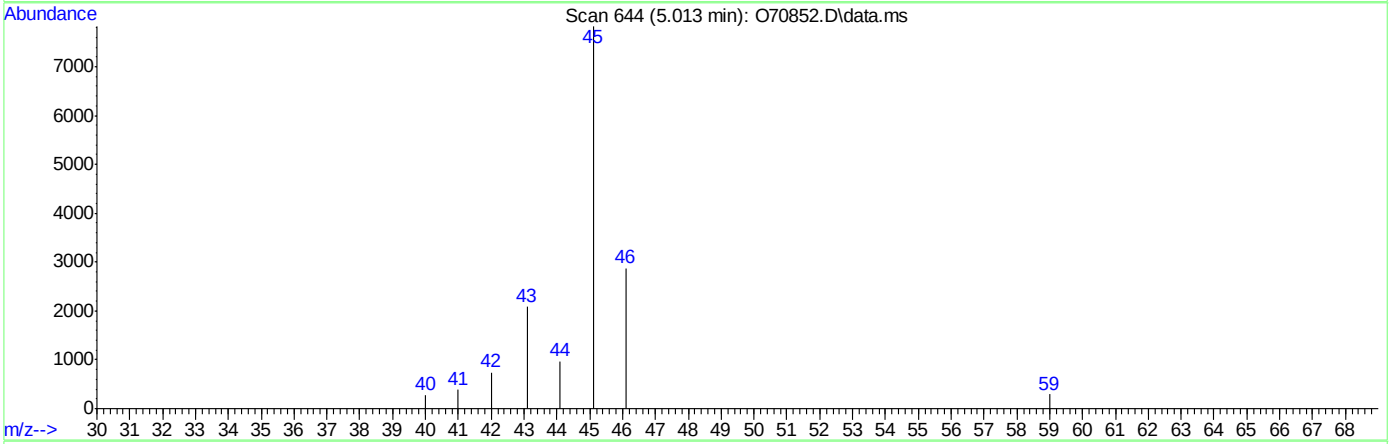
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	38.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:50:24 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70852.D\data.ms

(10) Ethanol

5.013min (-0.000) 733.78ug/L m

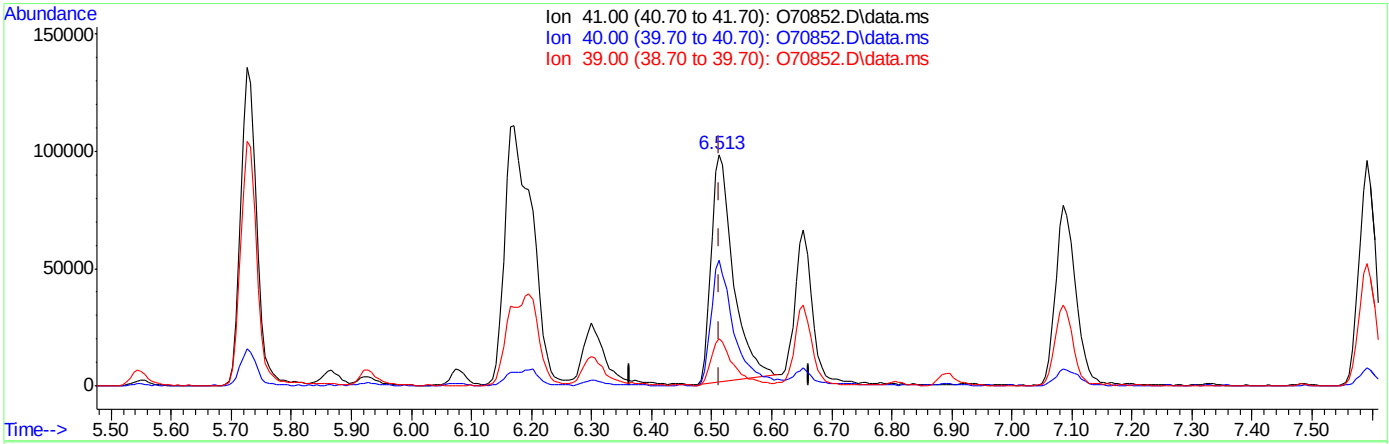
response 38306

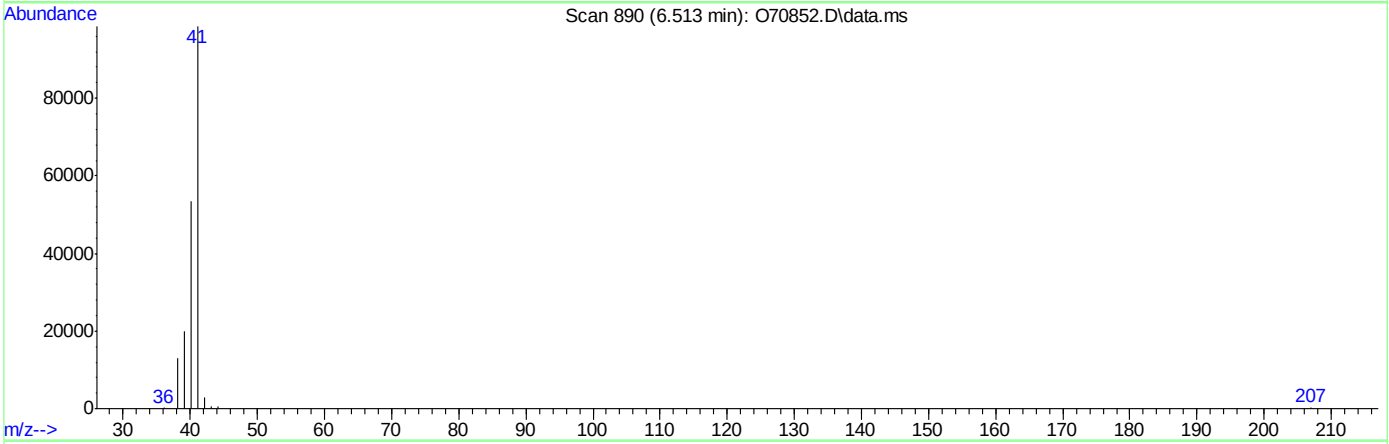
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	36.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:50:24 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70852.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 335.94ug/L

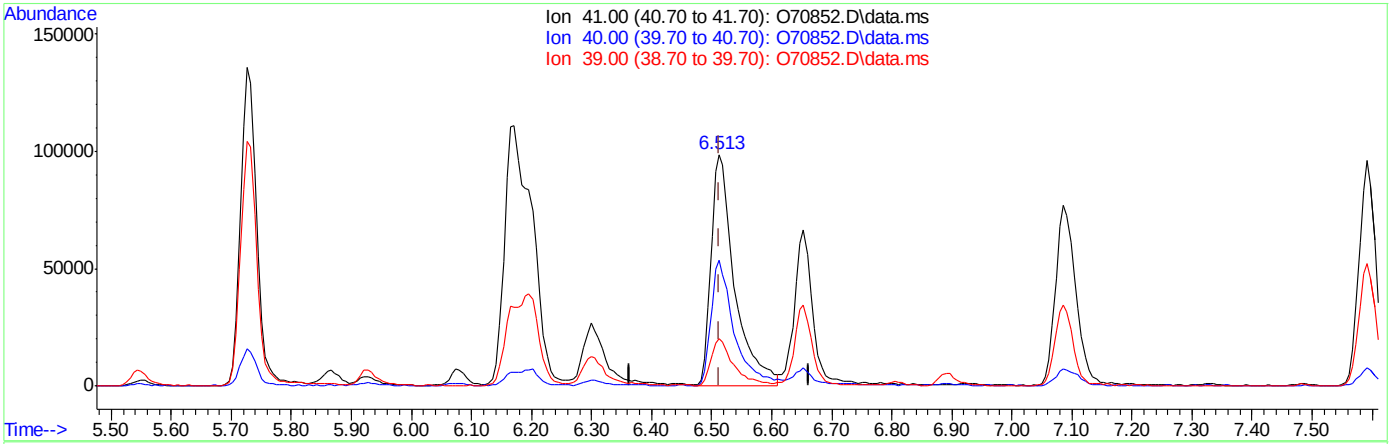
response 245996

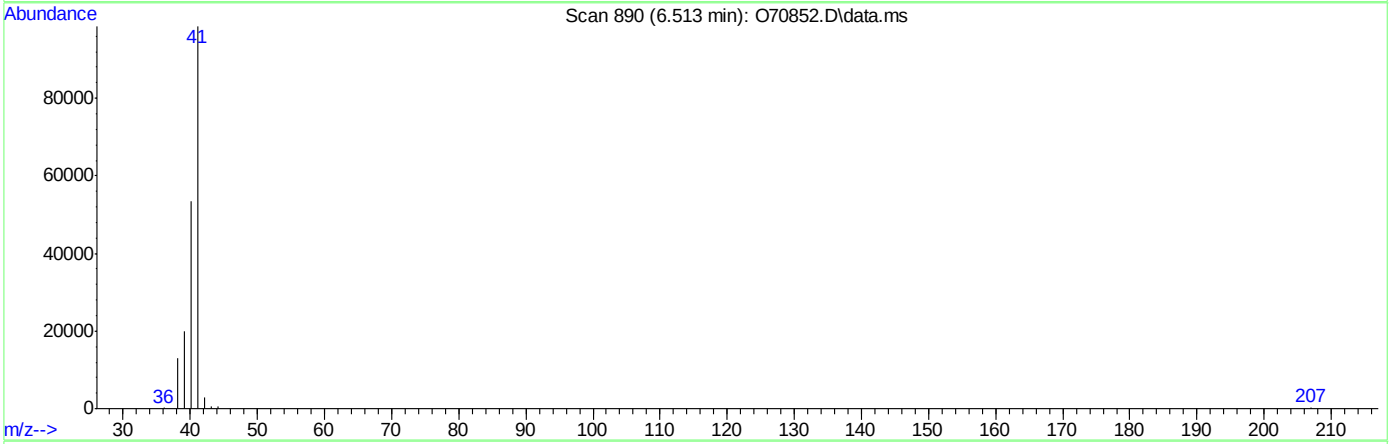
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.25
39.00	20.00	20.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:50:24 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70852.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 366.46ug/L m

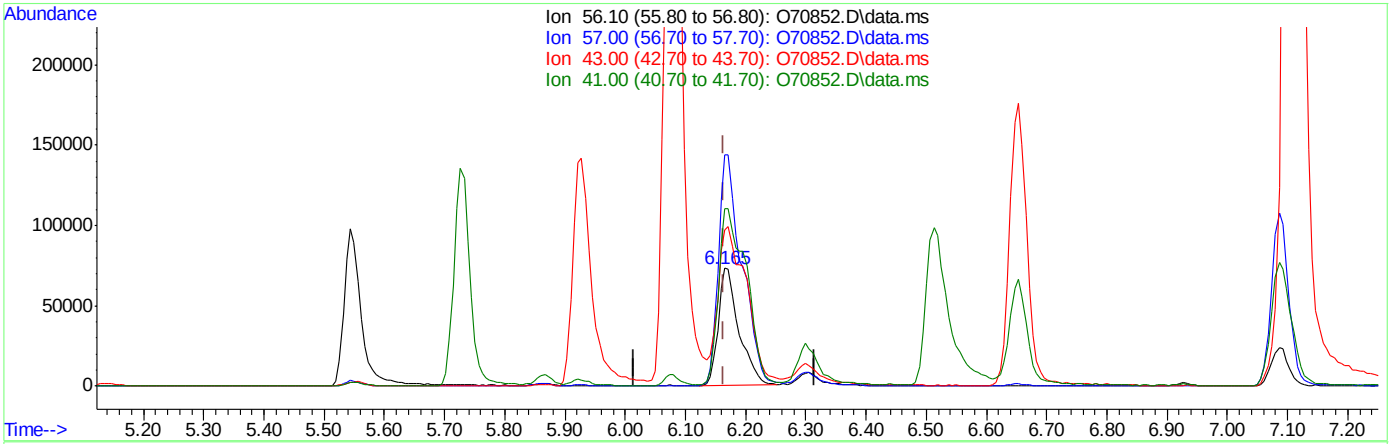
response 268407

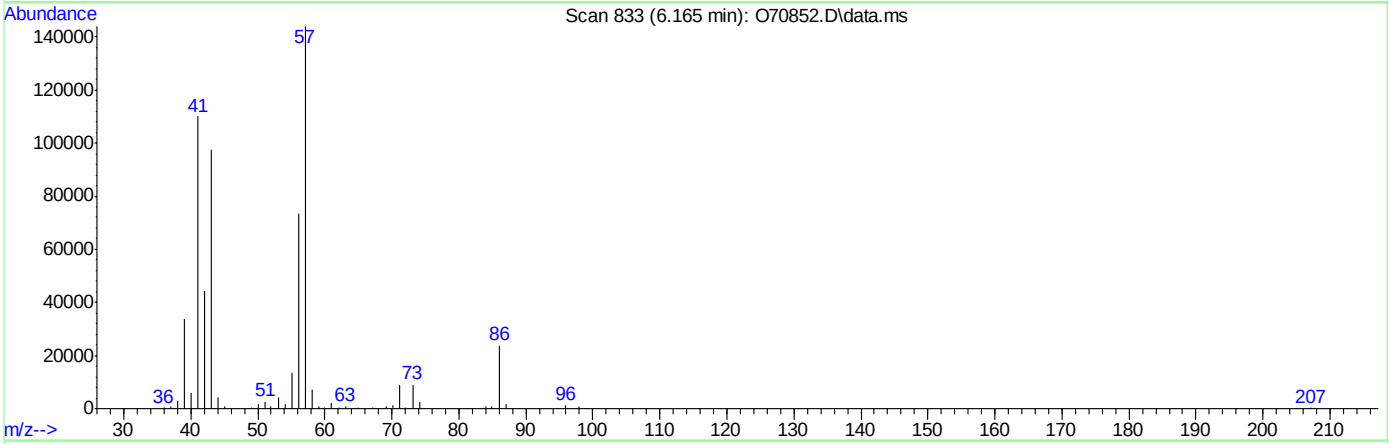
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.17
39.00	20.00	20.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:50:24 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70852.D\data.ms

(22) Hexane

6.165min (+0.000) 51.48ug/L

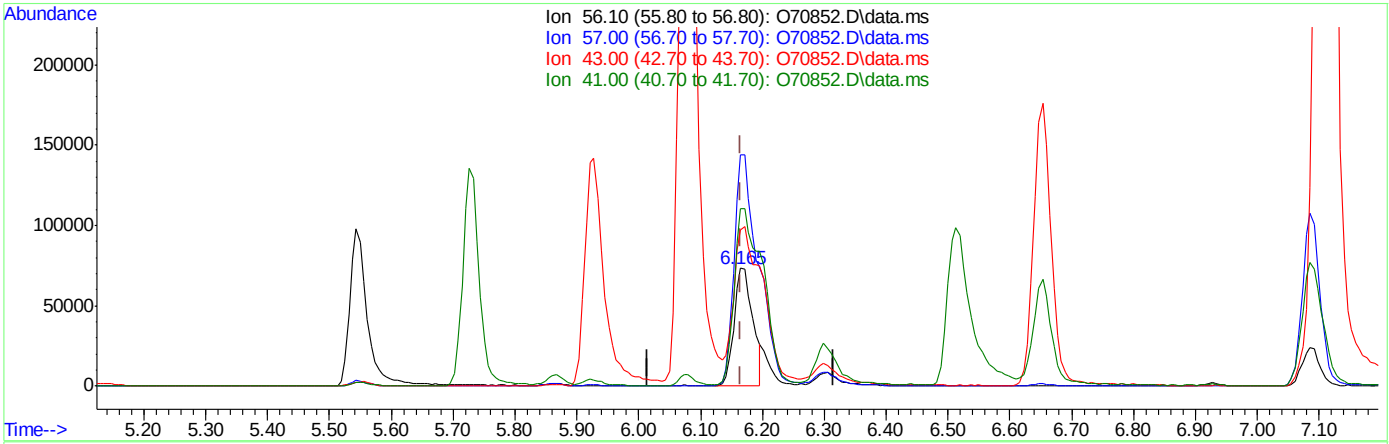
response 175565

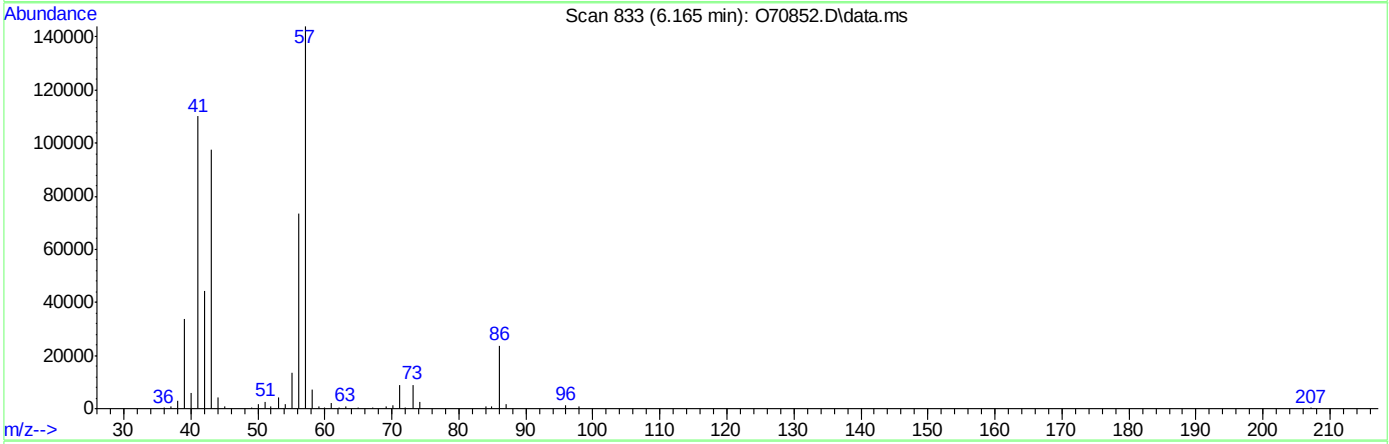
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	195.88
43.00	133.10	125.93
41.00	145.50	148.77

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:50:24 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70852.D\data.ms

(22) Hexane

6.165min (+0.000) 45.63ug/L m

response 154526

Ion	Exp%	Act%
56.10	100	100
57.00	197.60	195.88
43.00	133.10	132.65
41.00	145.50	149.91

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	08/23/2022
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6
PURGE VOLUME:	5 mL
ANALYST:	JoAnn L

METHODS:*	8260
METHOD FILE:	VO_08-23-2022.M
CALIB. DATE:	8/23/2022
EM VOLTAGE:	1600V
BFB RESPONSE:	3023692
RUN ID:	VO2796

BFB:	VS2371
ICAL/CC:	VS2375, VS2376, VS2387
	VS2386, VS2383, VS2393
ISTD/SUR:	VS2371
ICV/QC:	VS2349, VS2350, VS2394
	VS2389, VS2388, VS2385, VS2390
AFA:	VS2035D

PH LOT 1-12: 212521
PH LOT 0.0-3.0: 230320
KI PAPER LOT: 030317
SAMPLE ID VERIFIED BY: JoAnn L
DATE VERIFIED: 08/23/2022
DATA REVIEWED BY:
JoAnn L

Data File	Sample ID	Dil.	Vial #	Matrix	ALS Pos.	Sample Method	Manually Integrated Peaks Rationale, Peak #	pH	CI ?	RR	COMMENTS
O70541	BFB	-	-	W	1	8260		-	-	-	Passed autofind✓
O70542	IC2796-1	-	-	W	2	8260		-	-	-	1uL→ 100mL ✓
O70543	IC2796-2	-	-	W	3	8260		-	-	-	5uL→ 100mL ✓
O70544	IC2796-3	-	-	W	4	8260		-	-	-	5uL→ 50mL ✓
O70545	IC2796-4	-	-	W	5	8260		-	-	-	12.5uL→ 50mL ✓
O70546	ICC2796-5	-	-	W	6	8260		-	-	-	40uL→ 100mL ✓
O70547	IC2796-6	-	-	W	7	8260		-	-	-	35uL→ 50mL ✓
O70548	IC2796-7	-	-	W	8	8260		-	-	-	50uL→ 50mL ✓
O70549	BLANK	-	-	W	9	8260		-	-	-	✓
O70550	ICV2796-5	-	-	W	10	8260		-	-	-	25uL→ 50mL ✓
O70551	ICV2796-4	-	-	W	11	8260	Not used-not needed	-	-	-	12.5uL→ 40mL ✓

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: _____

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/01/2022
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6
PURGE VOLUME:	5 mL
ANALYST:	JoAnn L

METHODS:*	8260
METHOD FILE:	VO_08-23-2022.M
CALIB. DATE:	8/23/2022
EM VOLTAGE:	1600V
BFB RESPONSE:	2996623
RUN ID:	VO2808

BFB:	VS2371
ICAL/CC:	VS2375, VS2376, VS2387
	VS2386, VS2383, VS2407
ISTD/SUR:	VS2371
ICV/QC:	VS2349, VS2350, VS2394
	VS2389, VS2388, VS2385, VS2408
AFA:	VS2035D

PH LOT 1-12: 212521
PH LOT 0.0-3.0: 230320
KI PAPER LOT: 030317
SAMPLE ID VERIFIED BY: JL
DATE VERIFIED: 09/01/2022
DATA REVIEWED BY:
JoAnn L

Data File	Sample ID	Dil.	Vial #	Matrix	ALS Pos.	Sample Method	Manually Integrated Peaks Rationale, Peak #	pH	CI ?	RR	COMMENTS
O70796	BLANK	-	-	W	1	8260		-	-	-	Passed autofind✓
O70797	CC2796-5/BFB	-	-	W	2	8260	#10,25,76(PII) #22(OP)	-	-	-	Passed autofind; 40uL→ 100mL✓
O70798	BS	-	-	W	3	8260	#10,25,76(PII) #22(OP)	-	-	-	12.5uL→ 40mL ✓
O70799	CC2796-1	-	-	W	4	8260		-	-	-	1uL→ 100mL ✓
O70800	MB	-	-	W	5	8260		-	-	-	ND ✓
O70801	FA98452-8	1X	2	W	6	8260		1	N	-	ND ✓
O70802	FA98452-9	1X	2	W	7	8260		1	N	-	ND ✓
O70803	FA98427-1	1X	4	W	8	8260		1	N	-	ND ✓
O70804	FA98427-2	1X	4	W	9	8260		1	N	-	ND ✓
O70805	FA98427-3	1X	5	W	10	8260		1	N	-	ND ✓
O70806	FA98427-4	1X	4	W	11	8260		1	N	-	Bubble>6mm,all vials received✓
O70807	FA98431-1	1X	8	W	12	8260		1	N	-	✓
O70808	FA98431-2	1X	5	W	13	8260		1	N	-	✓
O70809	FA98431-3	1X	7	W	14	8260		1	N	-	Bubble>6mm,all vials received✓
O70810	FA98431-4	1X	8	W	15	8260		1	N	-	✓
O70811	FA98431-5	1X	4	W	16	8260		1	N	-	✓
O70812	FA98431-7	1X	12	W	17	8260		1	N	-	ND ✓
O70813	FA98452-1	1X	1	W	18	8260		1	N	-	✓
O70814	**FA98452-2**	1X	3	W	19	8260		1	N	**1x**	Poss TCE carryover
O70815	FA98452-3	1X	1	W	20	8260		1	N	-	✓
O70816	**FA98452-4**	1X	2	W	21	8260		1	N	**1x**	Poss TCE carryover
O70817	FA98452-5	1X	3	W	22	8260		1	N	-	✓
O70818	FA98452-6	1X	2	W	23	8260		1	N	-	✓
O70819	FA98452-7	1X	2	W	24	8260		1	N	-	✓
O70820	FA98452-10	1X	1	W	25	8260		1	N	-	✓
O70821	FA98452-2MS	1X	2	W	26	8260	#10,25,76(PII) #22(OP)	1	N	-	12.5uL→ 40mL ✓
O70822	FA98452-2MSD	1X	4	W	27	8260	#10,25,76(PII) #22(OP)	1	N	-	12.5uL→ 40mL ✓
O70823	ECC2796-5	-	-	W	28	8260	#10,25,76(PII) #22(OP)	-	-	-	40uL→ 100mL✓

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, PII Poor Instrument

Analyst's Signature: _____

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/02/2022
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6
PURGE VOLUME:	5 mL
ANALYST:	JoAnn L

METHODS:*	8260
METHOD FILE:	VO_08-23-2022.M
CALIB. DATE:	8/23/2022
EM VOLTAGE:	1600V
BFB RESPONSE:	2944403
RUN ID:	VO2809-10

BFB:	VS2371
ICAL/CC:	VS2375, VS2376, VS2387
	VS2386, VS2383, VS2407
ISTD/SUR:	VS2371
ICV/QC:	VS2349, VS2350, VS2394
	VS2389, VS2388, VS2385, VS2408
AFA:	VS2248D

PH LOT 1-12: 212521
PH LOT 0.0-3.0: 230320
KI PAPER LOT: 030317
SAMPLE ID VERIFIED BY: JL
DATE VERIFIED: 09/02/2022
DATA REVIEWED BY:
JoAnn L/Adelard L

Data File	Sample ID	Dil.	Vial #	Matrix	ALS Pos.	Sample Method	Manually Integrated Peaks Rationale, Peak #	pH	CI ?	RR	COMMENTS
O70825	BLANK	-	-	W	1	8260		-	-	-	Passed autofind✓
O70826	CC2796-5/BFB	-	-	W	2	8260	#10,25,76(PII) #22(OP)	-	-	-	Passed autofind; 40uL→ 100mL✓
O70827	BS	-	-	W	3	8260	#10,25,76(PII) #22(OP)	-	-	-	12.5uL→ 40mL ✓
O70828	CC2796-1	-	-	W	4	8260		-	-	-	1uL→ 100mL ✓
O70829	MB	-	-	W	5	8260		-	-	-	ND ✓
O70830	FA98473-5	1X	3	W	6	8260	Headspace	1	N	-	✓
O70831	FA98404-13	1X	2	W	7	8260		1	N	-	✓
O70832	FA98404-16	1X	2	W	8	8260		1	N	-	✓
O70833	FA98404-18	1X	2	W	9	8260		1	N	-	✓
O70834	FA98452-2	1X	9	W	10	8260		1	N	-	✓
O70835	FA98452-4	1X	3	W	11	8260		1	N	-	ND ✓
O70836	FA98603-6	1X	1	W	12	8260		6	N	-	ND ✓
O70837	FA98603-7	1X	1	W	13	8260	Lot#	1	N	-	ND ✓
O70838	FA98603-1	1X	1	W	14	8260	Bubble>6mm	6	N	-	✓
O70839	FA98603-2	1X	1	W	15	8260		6	N	-	✓
O70840	FA98603-3	1X	1	W	16	8260		6	N	-	ND ✓
O70841	FA98603-4	1X	1	W	17	8260		6	N	-	ND ✓
O70842	FA98603-5	1X	1	W	18	8260		6	N	-	ND ✓
O70843	FA98611-1 100X	100X	1	W	19	624	500uL(-)50mL	6	N	20x	Overdiluted
O70844	FA98456-4	1X	3	W	20	8260		1	N	-	ND ✓
O70845	FA98394-2 10X	10X	3	W	21	8260	5mL(-)50mL	1	N	-	✓
O70846	FA98394-13 20X	20X	3	W	22	8260	2.5mL(-)50mL	1	N	-	✓
O70847	FA98394-14 5X	5X	3	W	23	8260	10mL(-)50mL	1	N	-	✓
O70848	FA98394-2MS 10X	10X	3	W	24	8260	**#10,25,76(PII) #22(OP); VO2809; 10mL(-)100mL**	1	N	-	✓
O70849	FA98394-2MSD 10X	10X	3	W	25	8260	**#10,25,76(PII) #22(OP); VO2809; 10mL(-)100mL**	1	N	-	✓
O70850	FA98611-1MS 100X	100X	1	W	26	624	**#10,25,76(PII) #22(OP); VO2810; 1mL(-)100mL**	6	N	-	12.5uL→ 40mL ✓
O70851	FA98611-1MSD 100X	100X	1	W	27	624	**#10,25,76(PII) #22(OP); VO2810; 1mL(-)100mL**	6	N	-	12.5uL→ 40mL ✓
O70852	ECC2796-5	-	-	W	28	8260	**#10,25(PII) #22(OP)**	-	-	-	40uL→ 100mL✓

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Adelard Dyn

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APPENDIX D-3 SD052-04 LANDFILL 6 TCE SITE LABORATORY DATA PACKAGES

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Bhate Environmental

Griffiss AFB; Rome, NY

GRFIS-BECOS

SGS Job Number: FA98468



Sampling Date: 08/26/22

Report to:

Bhate Environmental
1608 13th Ave S Suite 300
Birmingham, AL 35205
dbadio@bhate.com

ATTN: David Badio

Total number of pages in report: **1021**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Ariel Hartney 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

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SGS North America Inc.

Sample Summary

Bhate Environmental

Job No: FA98468

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA98468-1	08/26/22	14:25	NBBP	08/27/22	AQ	Ground Water	LF6MW-12-0822
FA98468-1F	08/26/22	14:25	NBBP	08/27/22	AQ	Groundwater Filtered	LF6MW-12-0822
FA98468-2	08/26/22	11:15	NBBP	08/27/22	AQ	Ground Water	LF6MW-39-0822
FA98468-2F	08/26/22	11:15	NBBP	08/27/22	AQ	Groundwater Filtered	LF6MW-39-0822
FA98468-3	08/26/22	10:00	NBBP	08/27/22	AQ	Ground Water	LF6SW-1PM-0822
FA98468-3F	08/26/22	10:00	NBBP	08/27/22	AQ	Groundwater Filtered	LF6SW-1PM-0822
FA98468-4	08/26/22	09:30	NBBP	08/27/22	AQ	Ground Water	LF6VMW-13R-0822
FA98468-4F	08/26/22	09:30	NBBP	08/27/22	AQ	Groundwater Filtered	LF6VMW-13R-0822
FA98468-5	08/26/22	08:40	NBBP	08/27/22	AQ	Ground Water	LF6VMW-13RD-0822
FA98468-5F	08/26/22	08:40	NBBP	08/27/22	AQ	Groundwater Filtered	LF6VMW-13RD-0822
FA98468-6	08/26/22	14:20	NBBP	08/27/22	AQ	Ground Water	WL-LF6TW-35-0822
FA98468-6F	08/26/22	14:20	NBBP	08/27/22	AQ	Groundwater Filtered	WL-LF6TW-35-0822
FA98468-7	08/26/22	12:30	NBBP	08/27/22	AQ	Ground Water	WL-LF6TW-36-0822

SGS North America Inc.

Sample Summary
(continued)

Bhate Environmental

Job No: FA98468

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
FA98468-7F	08/26/22	12:30	NBBP	08/27/22	AQ	Groundwater Filtered	WL-LF6TW-36-0822
FA98468-8	08/26/22	12:45	NBBP	08/27/22	AQ	Ground Water	WL-LF6TW-38-0822
FA98468-8F	08/26/22	12:45	NBBP	08/27/22	AQ	Groundwater Filtered	WL-LF6TW-38-0822
FA98468-9	08/26/22	11:30	NBBP	08/27/22	AQ	Ground Water	WL-LF6VMW-26-0822
FA98468-9F	08/26/22	11:30	NBBP	08/27/22	AQ	Groundwater Filtered	WL-LF6VMW-26-0822
FA98468-10	08/26/22	07:30	NBBP	08/27/22	AQ	Trip Blank Water	LF6-TB01-0822-C

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental **Job No:** FA98468

Site: Griffiss AFB; Rome, NY **Report Date:** 9/9/2022 12:38:31 PM

On 08/27/2022, 9 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 3.8 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FA98468 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V2P3567

Sample(s) FA98474-2MS, FA98474-2MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** V2P3568

Sample(s) FA98431-6MS, FA98431-6MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Methyl Tert Butyl Ether are outside control limits.

Matrix Spike Recovery(s) for 1,1-Dichloroethane, Methyl Tert Butyl Ether are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,1-Dichloroethane, Methyl Tert Butyl Ether are outside control limits. Probable cause is due to matrix interference.

For Sample(s) FA98468-2, FA98468-3, FA98468-4, FA98468-5, FA98468-6 are associated with a blank spike that has a recovery for Methyl Tert Butyl Ether outside DOD QSM control limits.

FA98468-4: Sample vial(s) contained bubbles greater than 6mm.

FA98468-7: Sample vial(s) contained bubbles greater than 6mm.

FA98468-4 for Dichlorodifluoromethane: Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.

FA98468-4 for Methyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98468-4 for Methyl Tert Butyl Ether: Associated BS recovery outside DOD QSM control limits high, sample is ND.

FA98468-6 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98468-5 for Methyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98468-5 for Methyl Tert Butyl Ether: Associated BS recovery outside DOD QSM control limits high, sample is ND.

FA98468-5 for Trichlorofluoromethane: Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.

FA98468-3 for Trichlorofluoromethane: Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.

FA98468-6 for Methyl Tert Butyl Ether: Associated BS recovery outside DOD QSM control limits high, sample is ND.

FA98468-6 for Dichlorodifluoromethane: Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.

FA98468-3 for Methyl Tert Butyl Ether: Associated BS recovery outside DOD QSM control limits high, sample is ND.

FA98468-6 for Methyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98468-3 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98468-3 for Dichlorodifluoromethane: Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.

FA98468-6 for Trichlorofluoromethane: Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.

FA98468-3 for Methyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98468-2 for Methyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98468-2 for Trichlorofluoromethane: Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.

FA98468-2 for Dichlorodifluoromethane: Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.

FA98468-2 for Methyl Tert Butyl Ether: Associated BS recovery outside DOD QSM control limits high, sample is ND.

FA98468-5 for Dichlorodifluoromethane: Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.

FA98468-2 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

Matrix: AQ **Batch ID:** V5E1550

Sample(s) FA98592-1MS, FA98592-1MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for cis-1,2-Dichloroethylene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

RPD(s) for MSD for Methyl Bromide are outside control limits for sample FA98592-1MSD. Probable cause is due to sample non-homogeneity.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V5E1550

FA98468-4: Sample vial(s) contained bubbles greater than 6mm.

FA98468-5: Sample vial(s) contained bubbles greater than 6mm.

FA98468-7 for Methyl Bromide: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98468-8 for Methyl Bromide: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98468-9 for Methyl Bromide: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98468-9: Sample vial(s) contained bubbles greater than 6mm.

FA98468-10 for Methyl Bromide: Associated CCV outside of DOD QSM control limits high, sample is ND.

Matrix: AQ **Batch ID:** VY2672

Sample(s) FA98458-1MS, FA98458-1MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 1,2,4-Trichlorobenzene, Bromobenzene, Bromoform, Chloroethane, Dibromochloromethane, Methyl Bromide, Methyl Tert Butyl Ether, Tetrachloroethylene are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,4-Trichlorobenzene, Bromobenzene, Chloroethane, Methyl Bromide, Methyl Tert Butyl Ether, Tetrachloroethylene are outside control limits. Probable cause is due to matrix interference.

RPD(s) for MSD for Methyl Bromide are outside control limits for sample FA98458-1MSD. Probable cause is due to sample non-homogeneity.

FA98468-1 for Chloroethane: Associated CCV outside control limits high, sample is ND.

FA98468-1 for Methyl Bromide: Associated CCV outside control limits high, sample is ND.

GC Volatiles By Method RSKSOP-147/175

Matrix: AQ **Batch ID:** G1R345

Sample(s) FA98473-11DUP, FA98473-11MS were used as the QC samples indicated.

Matrix Spike Recovery(s) for Methane are outside control limits. Outside control limits due to high level in sample relative to spike amount.

RPD(s) for Duplicate for Ethane, Ethene are outside control limits for sample FA98473-11DUP. Probable cause is due to sample non-homogeneity.

Matrix: AQ **Batch ID:** G1R346

Sample(s) FA98485-4MS, FA98485-9DUP were used as the QC samples indicated.

General Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP38012

Sample(s) FA98468-1MSD, FA98468-1MS were used as the QC samples for Sulfate.

Matrix Spike Recovery(s) for Sulfate are outside control limits. Spike recovery indicates possible matrix interference.

Matrix: AQ **Batch ID:** GP38013

Sample(s) FA98468-8MSD, FA98468-8MS were used as the QC samples for Sulfate.

Matrix Spike Recovery(s) for Sulfate are outside control limits. Spike recovery indicates possible matrix interference.

General Chemistry By Method SM5310 B-11/SW9060A

Matrix: AQ **Batch ID:** GP37991

Sample(s) FA98473-11MS, FA98473-11MSD were used as the QC samples for Total Organic Carbon.

FA98468-6 for Total Organic Carbon: Sample was not preserved to a pH < 2.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA98468-1	**LF6MW-12-0822**					
cis-1,2-Dichloroethylene		227	5.0	2.5	ug/l	SW846 8260D
trans-1,2-Dichloroethylene		7.9	5.0	2.5	ug/l	SW846 8260D
1,2-Dichloroethene (total)		235	10	5.0	ug/l	SW846 8260D
Methylene Chloride		29.6	25	20	ug/l	SW846 8260D
Methane		18200	10	5.0	ug/l	RSKSOP-147/175
Sulfate		19.0	10	5.0	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		1.5 J	2.0	1.0	mg/l	SM5310 B-11/SW9060A
FA98468-1F	**LF6MW-12-0822**					
Dissolved Organic Carbon		2.1	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98468-2	**LF6MW-39-0822**					
cis-1,2-Dichloroethylene		78.8	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		78.8	2.0	1.0	ug/l	SW846 8260D
Sulfate		19.5	2.0	1.0	mg/l	EPA 300/SW846 9056A
FA98468-2F	**LF6MW-39-0822**					
Dissolved Organic Carbon		0.97 J	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98468-3	**LF6SW-1PM-0822**					
Methane		37.2	0.50	0.25	ug/l	RSKSOP-147/175
Sulfate		22.0	20	10	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		7.7	2.0	1.0	mg/l	SM5310 B-11/SW9060A
FA98468-3F	**LF6SW-1PM-0822**					
Dissolved Organic Carbon		4.3	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98468-4	**LF6VMW-13R-0822**					
Vinyl Chloride [a]		0.57 J	1.0	0.50	ug/l	SW846 8260D
Methane		0.81	0.50	0.25	ug/l	RSKSOP-147/175
Sulfate		24.1	10	5.0	mg/l	EPA 300/SW846 9056A
FA98468-4F	**LF6VMW-13R-0822**					
Dissolved Organic Carbon		0.97 J	1.0	0.50	mg/l	SM5310 B-11/SW9060A

Summary of Hits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA98468-5	**LF6VMW-13RD-0822**					
Vinyl Chloride [a]		2.6	1.0	0.50	ug/l	SW846 8260D
Methane		2.5	0.50	0.25	ug/l	RSKSOP-147/175
Sulfate		25.5	10	5.0	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		0.78 J	2.0	1.0	mg/l	SM5310 B-11/SW9060A
FA98468-5F	**LF6VMW-13RD-0822**					
Dissolved Organic Carbon		1.3	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98468-6	**WL-LF6TW-35-0822**					
cis-1,2-Dichloroethylene		3.5	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		3.5	2.0	1.0	ug/l	SW846 8260D
Trichloroethylene		17.9	1.0	0.50	ug/l	SW846 8260D
Methane		3.5	0.50	0.25	ug/l	RSKSOP-147/175
Sulfate		35.0	10	5.0	mg/l	EPA 300/SW846 9056A
Total Organic Carbon [b]		1.5 J	2.0	1.0	mg/l	SM5310 B-11/SW9060A
FA98468-6F	**WL-LF6TW-35-0822**					
Dissolved Organic Carbon		1.7	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98468-7	**WL-LF6TW-36-0822**					
cis-1,2-Dichloroethylene		23.1	2.0	1.0	ug/l	SW846 8260D
trans-1,2-Dichloroethylene		1.1 J	2.0	1.0	ug/l	SW846 8260D
1,2-Dichloroethene (total)		24.2	4.0	2.0	ug/l	SW846 8260D
Methylene Chloride		5.5 J	10	8.0	ug/l	SW846 8260D
Trichloroethylene		111	2.0	1.0	ug/l	SW846 8260D
Methane		0.49 J	0.50	0.25	ug/l	RSKSOP-147/175
Sulfate		24.4	10	5.0	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		0.64 J	2.0	1.0	mg/l	SM5310 B-11/SW9060A
FA98468-7F	**WL-LF6TW-36-0822**					
Dissolved Organic Carbon		1.0	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98468-8	**WL-LF6TW-38-0822**					
cis-1,2-Dichloroethylene		19.3	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		19.3	2.0	1.0	ug/l	SW846 8260D
Trichloroethylene		71.9	1.0	0.50	ug/l	SW846 8260D
Methane		0.43 J	0.50	0.25	ug/l	RSKSOP-147/175

Summary of Hits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
Sulfate		29.3	10	5.0	mg/l	EPA 300/SW846 9056A
FA98468-8F	**WL-LF6TW-38-0822**					
Dissolved Organic Carbon		0.93 J	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98468-9	**WL-LF6VMW-26-0822**					
cis-1,2-Dichloroethylene [a]		6.9	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total) [a]		6.9	2.0	1.0	ug/l	SW846 8260D
Methane		0.40 J	0.50	0.25	ug/l	RSKSOP-147/175
Sulfate		27.9	2.0	1.0	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		1.1 J	2.0	1.0	mg/l	SM5310 B-11/SW9060A
FA98468-9F	**WL-LF6VMW-26-0822**					
Dissolved Organic Carbon		1.6	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98468-10	**LF6-TB01-0822-C**					

No hits reported in this sample.

(a) Sample vial(s) contained bubbles greater than 6mm.
(b) Sample was not preserved to a pH < 2.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	LF6MW-12-0822		
Lab Sample ID:	FA98468-1	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y64475.D	5	09/03/22 19:05	AL	n/a	n/a	VY2672
Run #2	2P92625.D	10	09/01/22 19:30	CF	n/a	n/a	V2P3567

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	100 U	130	100	50	ug/l	
71-43-2	Benzene	2.5 U	5.0	2.5	1.6	ug/l	
108-86-1	Bromobenzene	2.5 U	5.0	2.5	1.8	ug/l	
74-97-5	Bromochloromethane	2.5 U	5.0	2.5	2.3	ug/l	
75-27-4	Bromodichloromethane	2.5 U	5.0	2.5	1.2	ug/l	
75-25-2	Bromoform	2.5 U	5.0	2.5	2.0	ug/l	
78-93-3	2-Butanone (MEK)	18 U	25	18	10	ug/l	
104-51-8	n-Butylbenzene	2.5 U	5.0	2.5	1.2	ug/l	
135-98-8	sec-Butylbenzene	2.5 U	5.0	2.5	1.2	ug/l	
98-06-6	tert-Butylbenzene	2.5 U	5.0	2.5	1.6	ug/l	
75-15-0	Carbon Disulfide	5.0 U	10	5.0	2.7	ug/l	
56-23-5	Carbon Tetrachloride	2.5 U	5.0	2.5	1.8	ug/l	
108-90-7	Chlorobenzene	2.5 U	5.0	2.5	1.0	ug/l	
75-00-3	Chloroethane [a]	5.0 U	10	5.0	3.3	ug/l	
67-66-3	Chloroform	2.5 U	5.0	2.5	1.5	ug/l	
95-49-8	o-Chlorotoluene	2.5 U	5.0	2.5	1.1	ug/l	
106-43-4	p-Chlorotoluene	2.5 U	5.0	2.5	1.5	ug/l	
124-48-1	Dibromochloromethane	2.5 U	5.0	2.5	1.4	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	10 U	25	10	5.2	ug/l	
106-93-4	1,2-Dibromoethane	5.0 U	10	5.0	1.4	ug/l	
75-71-8	Dichlorodifluoromethane	5.0 U	10	5.0	2.5	ug/l	
95-50-1	1,2-Dichlorobenzene	2.5 U	5.0	2.5	1.6	ug/l	
541-73-1	1,3-Dichlorobenzene	2.5 U	5.0	2.5	1.1	ug/l	
106-46-7	1,4-Dichlorobenzene	2.5 U	5.0	2.5	1.3	ug/l	
75-34-3	1,1-Dichloroethane	2.5 U	5.0	2.5	1.7	ug/l	
107-06-2	1,2-Dichloroethane	2.5 U	5.0	2.5	1.6	ug/l	
75-35-4	1,1-Dichloroethylene	2.5 U	5.0	2.5	1.6	ug/l	
156-59-2	cis-1,2-Dichloroethylene	227	5.0	2.5	1.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	7.9	5.0	2.5	1.1	ug/l	
540-59-0	1,2-Dichloroethene (total)	235	10	5.0	2.5	ug/l	
78-87-5	1,2-Dichloropropane	2.5 U	5.0	2.5	2.1	ug/l	
142-28-9	1,3-Dichloropropane	2.5 U	5.0	2.5	1.5	ug/l	

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

Report of Analysis

Client Sample ID:	LF6MW-12-0822		
Lab Sample ID:	FA98468-1	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	2.5 U	5.0	2.5	1.2	ug/l	
563-58-6	1,1-Dichloropropene	2.5 U	5.0	2.5	1.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	2.5 U	5.0	2.5	1.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	2.5 U	5.0	2.5	1.1	ug/l	
100-41-4	Ethylbenzene	2.5 U	5.0	2.5	1.8	ug/l	
87-68-3	Hexachlorobutadiene	10 U [b]	20	10	3.0	ug/l	
591-78-6	2-Hexanone	25 U	50	25	10	ug/l	
98-82-8	Isopropylbenzene	2.5 U	5.0	2.5	1.1	ug/l	
99-87-6	p-Isopropyltoluene	2.5 U	5.0	2.5	1.1	ug/l	
74-83-9	Methyl Bromide [a]	20 U	25	20	10	ug/l	
74-87-3	Methyl Chloride	5.0 U	10	5.0	2.5	ug/l	
74-95-3	Methylene Bromide	2.5 U	10	2.5	1.8	ug/l	
75-09-2	Methylene Chloride	29.6	25	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	10 U	25	10	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.5 U	5.0	2.5	1.1	ug/l	
91-20-3	Naphthalene	10 U	25	10	5.0	ug/l	
103-65-1	n-Propylbenzene	2.5 U	5.0	2.5	1.4	ug/l	
100-42-5	Styrene	2.5 U	5.0	2.5	1.1	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	2.5 U	5.0	2.5	1.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	2.5 U	5.0	2.5	1.5	ug/l	
127-18-4	Tetrachloroethylene	2.5 U	5.0	2.5	1.1	ug/l	
108-88-3	Toluene	2.5 U	5.0	2.5	1.5	ug/l	
87-61-6	1,2,3-Trichlorobenzene	5.0 U	10	5.0	3.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	5.0 U	10	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	2.5 U	5.0	2.5	1.2	ug/l	
79-00-5	1,1,2-Trichloroethane	2.5 U	5.0	2.5	2.3	ug/l	
79-01-6	Trichloroethylene	2.5 U	5.0	2.5	1.7	ug/l	
75-69-4	Trichlorofluoromethane	5.0 U	10	5.0	2.5	ug/l	
96-18-4	1,2,3-Trichloropropane	5.0 U	10	5.0	3.2	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2.5 U	5.0	2.5	1.6	ug/l	
108-67-8	1,3,5-Trimethylbenzene	2.5 U	5.0	2.5	1.4	ug/l	
108-05-4	Vinyl Acetate	25 U	50	25	10	ug/l	
75-01-4	Vinyl Chloride	2.5 U	5.0	2.5	2.0	ug/l	
	m,p-Xylene	5.0 U	10	5.0	2.3	ug/l	
95-47-6	o-Xylene	2.5 U	5.0	2.5	1.3	ug/l	
1330-20-7	Xylene (total)	7.5 U	15	7.5	3.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	95%	83-118%

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

Report of Analysis

Client Sample ID:	LF6MW-12-0822		
Lab Sample ID:	FA98468-1	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%	99%	79-125%
2037-26-5	Toluene-D8	102%	98%	85-112%
460-00-4	4-Bromofluorobenzene	94%	99%	83-118%

(a) Associated CCV outside control limits high, sample is ND.
(b) Result is from Run# 2

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	LF6MW-12-0822		
Lab Sample ID:	FA98468-1	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R9235.D	1	08/30/22 14:34	TD	n/a	n/a	G1R345
Run #2	1R9238.D	20	08/30/22 15:04	TD	n/a	n/a	G1R345

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2	38.0 ml	5.0 ml	500 ul	20 Deg. C

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	18200 [a]	10	5.0	3.2	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

(a) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	LF6MW-12-0822		
Lab Sample ID:	FA98468-1	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	19.0	10	5.0	3.0	mg/l	5	09/04/22 01:13	JB	EPA 300/SW846 9056A
Total Organic Carbon	1.5 J	2.0	1.0	0.54	mg/l	1	08/30/22 01:16	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	LF6MW-12-0822		
Lab Sample ID:	FA98468-1F	**Date Sampled:**	08/26/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/27/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	2.1	1.0	0.50	0.27	mg/l	1	09/02/22 18:49	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	LF6MW-39-0822		
Lab Sample ID:	FA98468-2	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P92675.D	1	09/06/22 16:22	CF	n/a	n/a	V2P3568
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	78.8	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	78.8	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	LF6MW-39-0822		
Lab Sample ID:	FA98468-2	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride [b]	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether [c]	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride [b]	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%

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

Report of Analysis

Client Sample ID:	LF6MW-39-0822		
Lab Sample ID:	FA98468-2	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

(a) Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.
(b) Associated CCV outside of DOD QSM control limits high, sample is ND.
(c) Associated BS recovery outside DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	LF6MW-39-0822		
Lab Sample ID:	FA98468-2	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R9252.D	1	08/31/22 12:37	TD	n/a	n/a	G1R346
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	0.25 U	0.50	0.25	0.16	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LF6MW-39-0822		
Lab Sample ID:	FA98468-2	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	19.5	2.0	1.0	0.60	mg/l	1	09/04/22 02:58	JB	EPA 300/SW846 9056A
Total Organic Carbon	1.0 U	2.0	1.0	0.54	mg/l	1	08/30/22 01:39	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	LF6MW-39-0822		
Lab Sample ID:	FA98468-2F	**Date Sampled:**	08/26/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/27/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	0.97 J	1.0	0.50	0.27	mg/l	1	09/02/22 19:12	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	LF6SW-1PM-0822		
Lab Sample ID:	FA98468-3	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P92677.D	1	09/06/22 16:54	CF	n/a	n/a	V2P3568
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	LF6SW-1PM-0822		
Lab Sample ID:	FA98468-3	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride [b]	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether [c]	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride [b]	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%

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

Report of Analysis

Client Sample ID:	LF6SW-1PM-0822		
Lab Sample ID:	FA98468-3	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.
(b) Associated CCV outside of DOD QSM control limits high, sample is ND.
(c) Associated BS recovery outside DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID: LF6SW-1PM-0822
Lab Sample ID: FA98468-3
Matrix: AQ - Ground Water
Method: RSKSOP-147/175
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/26/22
Date Received: 08/27/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R9240.D	1	08/30/22 15:20	TD	n/a	n/a	G1R345
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	37.2	0.50	0.25	0.16	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LF6SW-1PM-0822		
Lab Sample ID:	FA98468-3	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	22.0	20	10	6.0	mg/l	10	09/04/22 03:19	JB	EPA 300/SW846 9056A
Total Organic Carbon	7.7	2.0	1.0	0.54	mg/l	1	08/30/22 03:12	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	LF6SW-1PM-0822		
Lab Sample ID:	FA98468-3F	**Date Sampled:**	08/26/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/27/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	4.3	1.0	0.50	0.27	mg/l	1	09/02/22 19:35	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	LF6VMW-13R-0822		
Lab Sample ID:	FA98468-4	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2P92679.D	1	09/06/22 17:26	CF	n/a	n/a	V2P3568
Run #2 [a]	5E34002.D	1	09/07/22 12:55	CF	n/a	n/a	V5E1550

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [b]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	LF6VMW-13R-0822		
Lab Sample ID:	FA98468-4	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride [c]	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether [d]	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane [b]	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.57 [e]	1.0	0.50	0.41	ug/l	J
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	100%	83-118%

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

Report of Analysis

Client Sample ID:	LF6VMW-13R-0822		
Lab Sample ID:	FA98468-4	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%	97%	79-125%
2037-26-5	Toluene-D8	96%	100%	85-112%
460-00-4	4-Bromofluorobenzene	98%	103%	83-118%

(a) Sample vial(s) contained bubbles greater than 6mm.
(b) Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.
(c) Associated CCV outside of DOD QSM control limits high, sample is ND.
(d) Associated BS recovery outside DOD QSM control limits high, sample is ND.
(e) Result is from Run# 2

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	LF6VMW-13R-0822		
Lab Sample ID:	FA98468-4	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R9253.D	1	08/31/22 12:50	TD	n/a	n/a	G1R346
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	0.81	0.50	0.25	0.16	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

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

Report of Analysis

Client Sample ID: LF6VMW-13R-0822
Lab Sample ID: FA98468-4
Matrix: AQ - Ground Water
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/26/22
Date Received: 08/27/22
Percent Solids: n/a

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	24.1	10	5.0	3.0	mg/l	5	09/04/22 03:40	JB	EPA 300/SW846 9056A
Total Organic Carbon	1.0 U	2.0	1.0	0.54	mg/l	1	08/30/22 03:57	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	LF6VMW-13R-0822		
Lab Sample ID:	FA98468-4F	**Date Sampled:**	08/26/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/27/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	0.97 J	1.0	0.50	0.27	mg/l	1	09/02/22 19:58	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	LF6VMW-13RD-0822		
Lab Sample ID:	FA98468-5	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P92681.D	1	09/06/22 17:58	CF	n/a	n/a	V2P3568
Run #2 [a]	5E34003.D	1	09/07/22 13:18	CF	n/a	n/a	V5E1550

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [b]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	LF6VMW-13RD-0822		
Lab Sample ID:	FA98468-5	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride [c]	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether [d]	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane [b]	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	2.6 [e]	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	102%	83-118%

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

Report of Analysis

Client Sample ID:	LF6VMW-13RD-0822		
Lab Sample ID:	FA98468-5	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%	100%	79-125%
2037-26-5	Toluene-D8	96%	100%	85-112%
460-00-4	4-Bromofluorobenzene	98%	100%	83-118%

(a) Sample vial(s) contained bubbles greater than 6mm.
(b) Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.
(c) Associated CCV outside of DOD QSM control limits high, sample is ND.
(d) Associated BS recovery outside DOD QSM control limits high, sample is ND.
(e) Result is from Run# 2

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

SGS North America Inc.

Report of Analysis

Client Sample ID: LF6VMW-13RD-0822
Lab Sample ID: FA98468-5
Matrix: AQ - Ground Water
Method: RSKSOP-147/175
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/26/22
Date Received: 08/27/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R9255.D	1	08/31/22 13:05	TD	n/a	n/a	G1R346
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	2.5	0.50	0.25	0.16	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LF6VMW-13RD-0822		
Lab Sample ID:	FA98468-5	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	25.5	10	5.0	3.0	mg/l	5	09/04/22 04:00	JB	EPA 300/SW846 9056A
Total Organic Carbon	0.78 J	2.0	1.0	0.54	mg/l	1	08/30/22 04:20	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	LF6VMW-13RD-0822		
Lab Sample ID:	FA98468-5F	**Date Sampled:**	08/26/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/27/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	1.3	1.0	0.50	0.27	mg/l	1	09/02/22 20:21	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID: WL-LF6TW-35-0822
Lab Sample ID: FA98468-6
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/26/22
Date Received: 08/27/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P92683.D	1	09/06/22 18:30	CF	n/a	n/a	V2P3568
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.5	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	3.5	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WL-LF6TW-35-0822		
Lab Sample ID:	FA98468-6	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride [b]	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether [c]	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	17.9	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride [b]	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		83-118%

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

Report of Analysis

Client Sample ID:	WL-LF6TW-35-0822		
Lab Sample ID:	FA98468-6	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

(a) Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.
(b) Associated CCV outside of DOD QSM control limits high, sample is ND.
(c) Associated BS recovery outside DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	WL-LF6TW-35-0822		
Lab Sample ID:	FA98468-6	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R9254.D	1	08/31/22 12:58	TD	n/a	n/a	G1R346
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	3.5	0.50	0.25	0.16	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

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

Report of Analysis

Client Sample ID:	WL-LF6TW-35-0822		
Lab Sample ID:	FA98468-6	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	35.0	10	5.0	3.0	mg/l	5	09/04/22 04:21	JB	EPA 300/SW846 9056A
Total Organic Carbon [a]	1.5 J	2.0	1.0	0.54	mg/l	1	08/30/22 04:43	FN	SM5310 B-11/SW9060A

(a) Sample was not preserved to a pH < 2.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	WL-LF6TW-35-0822		
Lab Sample ID:	FA98468-6F	**Date Sampled:**	08/26/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/27/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	1.7	1.0	0.50	0.27	mg/l	1	09/02/22 21:30	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	WL-LF6TW-36-0822		
Lab Sample ID:	FA98468-7	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5E34004.D	2	09/07/22 13:42	CF	n/a	n/a	V5E1550
Run #2 [a]	2P92689.D	5	09/06/22 20:06	CF	n/a	n/a	V2P3568

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	40 U	50	40	20	ug/l	
71-43-2	Benzene	1.0 U	2.0	1.0	0.62	ug/l	
108-86-1	Bromobenzene	1.0 U	2.0	1.0	0.73	ug/l	
74-97-5	Bromochloromethane	1.0 U	2.0	1.0	0.90	ug/l	
75-27-4	Bromodichloromethane	1.0 U	2.0	1.0	0.48	ug/l	
75-25-2	Bromoform	1.0 U	2.0	1.0	0.81	ug/l	
78-93-3	2-Butanone (MEK)	7.0 U	10	7.0	4.0	ug/l	
104-51-8	n-Butylbenzene	1.0 U	2.0	1.0	0.46	ug/l	
135-98-8	sec-Butylbenzene	1.0 U	2.0	1.0	0.49	ug/l	
98-06-6	tert-Butylbenzene	1.0 U	2.0	1.0	0.63	ug/l	
75-15-0	Carbon Disulfide	2.0 U	4.0	2.0	1.1	ug/l	
56-23-5	Carbon Tetrachloride	1.0 U	2.0	1.0	0.71	ug/l	
108-90-7	Chlorobenzene	1.0 U	2.0	1.0	0.40	ug/l	
75-00-3	Chloroethane	2.0 U	4.0	2.0	1.3	ug/l	
67-66-3	Chloroform	1.0 U	2.0	1.0	0.60	ug/l	
95-49-8	o-Chlorotoluene	1.0 U	2.0	1.0	0.44	ug/l	
106-43-4	p-Chlorotoluene	1.0 U	2.0	1.0	0.61	ug/l	
124-48-1	Dibromochloromethane	1.0 U	2.0	1.0	0.55	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	4.0 U	10	4.0	2.1	ug/l	
106-93-4	1,2-Dibromoethane	2.0 U	4.0	2.0	0.55	ug/l	
75-71-8	Dichlorodifluoromethane	2.0 U	4.0	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	1.0 U	2.0	1.0	0.65	ug/l	
541-73-1	1,3-Dichlorobenzene	1.0 U	2.0	1.0	0.43	ug/l	
106-46-7	1,4-Dichlorobenzene	1.0 U	2.0	1.0	0.51	ug/l	
75-34-3	1,1-Dichloroethane	1.0 U	2.0	1.0	0.68	ug/l	
107-06-2	1,2-Dichloroethane	1.0 U	2.0	1.0	0.62	ug/l	
75-35-4	1,1-Dichloroethylene	1.0 U	2.0	1.0	0.64	ug/l	
156-59-2	cis-1,2-Dichloroethylene	23.1	2.0	1.0	0.55	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.1	2.0	1.0	0.44	ug/l	J
540-59-0	1,2-Dichloroethene (total)	24.2	4.0	2.0	0.99	ug/l	
78-87-5	1,2-Dichloropropane	1.0 U	2.0	1.0	0.85	ug/l	
142-28-9	1,3-Dichloropropane	1.0 U	2.0	1.0	0.62	ug/l	

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

Report of Analysis

Client Sample ID:	WL-LF6TW-36-0822		
Lab Sample ID:	FA98468-7	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	1.0 U	2.0	1.0	0.48	ug/l	
563-58-6	1,1-Dichloropropene	1.0 U	2.0	1.0	0.67	ug/l	
10061-01-5	cis-1,3-Dichloropropene	1.0 U	2.0	1.0	0.58	ug/l	
10061-02-6	trans-1,3-Dichloropropene	1.0 U	2.0	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	1.0 U	2.0	1.0	0.71	ug/l	
87-68-3	Hexachlorobutadiene	2.0 U	4.0	2.0	0.59	ug/l	
591-78-6	2-Hexanone	10 U	20	10	4.0	ug/l	
98-82-8	Isopropylbenzene	1.0 U	2.0	1.0	0.44	ug/l	
99-87-6	p-Isopropyltoluene	1.0 U	2.0	1.0	0.43	ug/l	
74-83-9	Methyl Bromide [b]	8.0 U	10	8.0	4.0	ug/l	
74-87-3	Methyl Chloride	2.0 U	4.0	2.0	1.0	ug/l	
74-95-3	Methylene Bromide	1.0 U	4.0	1.0	0.74	ug/l	
75-09-2	Methylene Chloride	5.5	10	8.0	4.0	ug/l	J
108-10-1	4-Methyl-2-pentanone (MIBK)	4.0 U	10	4.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.0 U	2.0	1.0	0.46	ug/l	
91-20-3	Naphthalene	4.0 U	10	4.0	2.0	ug/l	
103-65-1	n-Propylbenzene	1.0 U	2.0	1.0	0.57	ug/l	
100-42-5	Styrene	1.0 U	2.0	1.0	0.44	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U	2.0	1.0	0.55	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	2.0	1.0	0.60	ug/l	
127-18-4	Tetrachloroethylene	1.0 U	2.0	1.0	0.43	ug/l	
108-88-3	Toluene	1.0 U	2.0	1.0	0.60	ug/l	
87-61-6	1,2,3-Trichlorobenzene	2.0 U	4.0	2.0	1.2	ug/l	
120-82-1	1,2,4-Trichlorobenzene	2.0 U	4.0	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	1.0 U	2.0	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	1.0 U	2.0	1.0	0.93	ug/l	
79-01-6	Trichloroethylene	111	2.0	1.0	0.69	ug/l	
75-69-4	Trichlorofluoromethane	2.0 U	4.0	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	2.0 U	4.0	2.0	1.3	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.0 U	2.0	1.0	0.65	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.0 U	2.0	1.0	0.55	ug/l	
108-05-4	Vinyl Acetate	10 U	20	10	4.0	ug/l	
75-01-4	Vinyl Chloride	1.0 U	2.0	1.0	0.82	ug/l	
	m,p-Xylene	2.0 U	4.0	2.0	0.93	ug/l	
95-47-6	o-Xylene	1.0 U	2.0	1.0	0.51	ug/l	
1330-20-7	Xylene (total)	3.0 U	6.0	3.0	1.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	94%	83-118%

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

Report of Analysis

Client Sample ID:	WL-LF6TW-36-0822		
Lab Sample ID:	FA98468-7	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%	101%	79-125%
2037-26-5	Toluene-D8	99%	94%	85-112%
460-00-4	4-Bromofluorobenzene	99%	97%	83-118%

(a) Sample vial(s) contained bubbles greater than 6mm.
(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	WL-LF6TW-36-0822		
Lab Sample ID:	FA98468-7	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R9256.D	1	08/31/22 13:54	TD	n/a	n/a	G1R346
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	0.49	0.50	0.25	0.16	ug/l	J
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WL-LF6TW-36-0822		
Lab Sample ID:	FA98468-7	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	24.4	10	5.0	3.0	mg/l	5	09/04/22 04:42	JB	EPA 300/SW846 9056A
Total Organic Carbon	0.64 J	2.0	1.0	0.54	mg/l	1	08/30/22 03:35	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	WL-LF6TW-36-0822		
Lab Sample ID:	FA98468-7F	**Date Sampled:**	08/26/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/27/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	1.0	1.0	0.50	0.27	mg/l	1	09/02/22 21:53	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	WL-LF6TW-38-0822		
Lab Sample ID:	FA98468-8	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5E34016.D	1	09/07/22 18:24	CF	n/a	n/a	V5E1550
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	19.3	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	19.3	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	WL-LF6TW-38-0822		
Lab Sample ID:	FA98468-8	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide [a]	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	71.9	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

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

Report of Analysis

Client Sample ID:	WL-LF6TW-38-0822		
Lab Sample ID:	FA98468-8	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	97%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	WL-LF6TW-38-0822		
Lab Sample ID:	FA98468-8	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R9257.D	1	08/31/22 14:02	TD	n/a	n/a	G1R346
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	0.43	0.50	0.25	0.16	ug/l	J
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WL-LF6TW-38-0822		
Lab Sample ID:	FA98468-8	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	29.3	10	5.0	3.0	mg/l	5	09/04/22 05:45	JB	EPA 300/SW846 9056A
Total Organic Carbon	1.0 U	2.0	1.0	0.54	mg/l	1	08/30/22 05:06	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	WL-LF6TW-38-0822		
Lab Sample ID:	FA98468-8F	**Date Sampled:**	08/26/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/27/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	0.93 J	1.0	0.50	0.27	mg/l	1	09/02/22 22:16	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	WL-LF6VMW-26-0822		
Lab Sample ID:	FA98468-9	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5E34017.D	1	09/07/22 18:47	CF	n/a	n/a	V5E1550
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	6.9	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	6.9	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	WL-LF6VMW-26-0822		
Lab Sample ID:	FA98468-9	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide [b]	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%

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

Report of Analysis

Client Sample ID:	WL-LF6VMW-26-0822		
Lab Sample ID:	FA98468-9	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Sample vial(s) contained bubbles greater than 6mm.
(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID: WL-LF6VMW-26-0822
Lab Sample ID: FA98468-9
Matrix: AQ - Ground Water
Method: RSKSOP-147/175
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/26/22
Date Received: 08/27/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R9260.D	1	08/31/22 14:26	TD	n/a	n/a	G1R346
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	0.40	0.50	0.25	0.16	ug/l	J
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WL-LF6VMW-26-0822		
Lab Sample ID:	FA98468-9	**Date Sampled:**	08/26/22
Matrix:	AQ - Ground Water	**Date Received:**	08/27/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	27.9	2.0	1.0	0.60	mg/l	1	09/04/22 07:30	JB	EPA 300/SW846 9056A
Total Organic Carbon	1.1 J	2.0	1.0	0.54	mg/l	1	08/30/22 05:29	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	WL-LF6VMW-26-0822		
Lab Sample ID:	FA98468-9F	**Date Sampled:**	08/26/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/27/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	1.6	1.0	0.50	0.27	mg/l	1	09/02/22 22:39	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	LF6-TB01-0822-C		
Lab Sample ID:	FA98468-10	**Date Sampled:**	08/26/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5E33999.D	1	09/07/22 11:43	CF	n/a	n/a	V5E1550
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	LF6-TB01-0822-C		
Lab Sample ID:	FA98468-10	**Date Sampled:**	08/26/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide [a]	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%

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

Report of Analysis

Client Sample ID:	LF6-TB01-0822-C		
Lab Sample ID:	FA98468-10	**Date Sampled:**	08/26/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/27/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

SGS North America Inc - Orlando

Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 FAX: 407-425-0707
www.sgs.com

SGS - ORLANDO JOB # : FA98468

PAGE 1 OF 1

SGS - ORLANDO Quote # | SKIFF #

Client / Reporting Information

Company Name: Brate Environmental Associates, Inc
Address: 445 Union Boulevard Ste 129
City: Lakewood State: CO Zip: 80228
Project Contact: Frank Email:
Phone #: 720-463-3903
Sampler(s): 2:

Project Information

Project Name: Griffiss Air Force Base - BECOS
Street
City State
Project # GRFIS-BECOS
Fax #
Client Purchase Order #

Analytical Information

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air

LAB USE ONLY

SGS Orlando Sample #	Field ID / Poin	DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	WATER	MEOH	RSK175 (A)	SW8260D (A)	537 (A)	SW9060A (A)
1	LF6MW-12-0822	8 3ul	1425	BP	3(1)	9		1	8						3	3	1	2
2	LF6MW-39-0822		1115	N3	3(1)	c		1	8						3	3	1	2
3			1000	B?	3(1)	c		1	8						3	3	1	2
4	LF6VMW-13R-0822		0930	N3	3u	c		1	8						3	3	1	2
5	LF6VMW-13RD-0822		0840	B?		9		1	8						3	3	1	2
6	WL-LF6TW-35-0822		1420	N3	A1	c		1	8						3	3	1	2
7	WL-LF6TW-36-0822		1230	'	3(1'	c		1	8						3	3	1	2
8	WL-LF6TW-38-0822		1745		B1			1	8						3	3	1	2
9	WL-LF6VMW-26-0822		1130	BP		c		1	8						3	3	1	2
10	LF6-TB01-0822-C	✓	0730	—		L			2						0	2	0	0

Turnaround Time ess

- 10 Day (Business)
- 7 Day
- 5 Day
- 3 Day *RUSH*
- 2 Day *RUSH*
- 1 Day *RUSH*
- Other

Approved By: / Date:

Data Deliverable Information

- ☐ COMMERCIAL "A" (RESULTS ONLY)
- ☐ COMMERCIAL "B" (RESULTS PLUS QC)
- ☐ REDT1 (EPA LEVEL 3)
- ☐ FULLT1 (EPA LEVEL 4)
- ☐ EDD'S

Comments / Remarks

Rush T/A Data or Lablink

m sam

Reli y liation Date : Recei n

1 B ECC 3/26 1742 2 Relinquished By/Affiliation

Relinquished Date Time: By/Affiliation

3 Relinquished By/Affiliation Date By/Affiliation

7

Lab Use On Cooler Celsius

ORLD-SMT-0001-03-FORM-COC (4) xls Rev 031318

SGS Sample Receipt Summary

Job Number: FA98468 **Client:** BHATE **Project:** GRIFFISS AFB

Date / Time Received: 8/27/2022 9:30:00 AM **Delivery Method:** FX **Airbill #'s:** 570073538312

Therm ID: IR 1; **Therm CF:** 0.6; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (3.2);

Cooler Temps (Corrected) °C: Cooler 1: (3.8);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☑		☐	☐

	W	or	S	N/A
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: NATHANS Date: 8/27/2022 9:30:00 AM Reviewer: _____ Date: _____

Job Change Order: FA98468

Requested Date:	8/29/2022	**Received Date:**	8/27/2022
Account Name:	Bhate Environmental	**Due Date:**	9/12/2022
Project Description:	Griffiss AFB; Rome, NY	**Deliverable:**	FULT1
CSR:	AH	**TAT (Days):**	7

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Sample #: FA98468-1 through 9

Dept:

TAT: 7

Change:
Add an F fraction and add DOC to login

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Above Changes Per: Client **Date/Time:** 8/31/2022 11:17:56 AM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Page 1 of 1

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V2P3567	SW846 8260D						
V2P3567-BS	87-68-3	Hexachlorobutadiene	BSP	REC	105	%	66-134
V2P3567-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	80-119
V2P3567-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	102	%	81-118
V2P3567-BS	2037-26-5	Toluene-D8	BSP	SURR	97	%	89-112
V2P3567-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	98	%	85-114
FA98474-2MS*	87-68-3	Hexachlorobutadiene	MS	REC	81	%	66-134
FA98474-2MS*	1868-53-7	Dibromofluoromethane	MS	SURR	98	%	80-119
FA98474-2MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	100	%	81-118
FA98474-2MS*	2037-26-5	Toluene-D8	MS	SURR	97	%	89-112
FA98474-2MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	98	%	85-114
FA98474-2MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	87	%	66-134
FA98474-2MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	7	%	20
FA98474-2MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	100	%	80-119
FA98474-2MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	98	%	81-118
FA98474-2MSD*	2037-26-5	Toluene-D8	MSD	SURR	97	%	89-112
FA98474-2MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	98	%	85-114
V2P3567-MB	1868-53-7	Dibromofluoromethane	MB	SURR	95	%	80-119
V2P3567-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	102	%	81-118
V2P3567-MB	2037-26-5	Toluene-D8	MB	SURR	99	%	89-112
V2P3567-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	97	%	85-114
FA98468-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	95	%	80-119
FA98468-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
FA98468-1	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98468-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
V2P3568	SW846 8260D						
V2P3568-BS	67-64-1	Acetone	BSP	REC	107	%	39-160
V2P3568-BS	71-43-2	Benzene	BSP	REC	105	%	79-120
V2P3568-BS	108-86-1	Bromobenzene	BSP	REC	92	%	80-120
V2P3568-BS	74-97-5	Bromochloromethane	BSP	REC	100	%	78-123
V2P3568-BS	75-27-4	Bromodichloromethane	BSP	REC	104	%	79-125
V2P3568-BS	75-25-2	Bromoform	BSP	REC	97	%	66-130
V2P3568-BS	78-93-3	2-Butanone (MEK)	BSP	REC	106	%	56-143
V2P3568-BS	104-51-8	n-Butylbenzene	BSP	REC	95	%	75-128
V2P3568-BS	135-98-8	sec-Butylbenzene	BSP	REC	106	%	77-126
V2P3568-BS	98-06-6	tert-Butylbenzene	BSP	REC	98	%	78-124
V2P3568-BS	75-15-0	Carbon Disulfide	BSP	REC	79	%	64-133
V2P3568-BS	56-23-5	Carbon Tetrachloride	BSP	REC	111	%	72-136
V2P3568-BS	108-90-7	Chlorobenzene	BSP	REC	100	%	82-118
V2P3568-BS	75-00-3	Chloroethane	BSP	REC	104	%	60-138
V2P3568-BS	67-66-3	Chloroform	BSP	REC	107	%	79-124

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V2P3568-BS	95-49-8	o-Chlorotoluene	BSP	REC	94	%	79-122
V2P3568-BS	106-43-4	p-Chlorotoluene	BSP	REC	95	%	78-122
V2P3568-BS	124-48-1	Dibromochloromethane	BSP	REC	96	%	74-126
V2P3568-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	86	%	62-128
V2P3568-BS	106-93-4	1,2-Dibromoethane	BSP	REC	99	%	77-121
V2P3568-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	137	%	32-152
V2P3568-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	97	%	80-119
V2P3568-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	98	%	80-119
V2P3568-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	96	%	79-118
V2P3568-BS	75-34-3	1,1-Dichloroethane	BSP	REC	111	%	77-125
V2P3568-BS	107-06-2	1,2-Dichloroethane	BSP	REC	102	%	73-128
V2P3568-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	105	%	71-131
V2P3568-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	106	%	78-123
V2P3568-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	105	%	75-124
V2P3568-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	105	%	79-121
V2P3568-BS	78-87-5	1,2-Dichloropropane	BSP	REC	103	%	78-122
V2P3568-BS	142-28-9	1,3-Dichloropropane	BSP	REC	90	%	80-119
V2P3568-BS	594-20-7	2,2-Dichloropropane	BSP	REC	103	%	60-139
V2P3568-BS	563-58-6	1,1-Dichloropropene	BSP	REC	110	%	79-125
V2P3568-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	104	%	75-124
V2P3568-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	104	%	73-127
V2P3568-BS	100-41-4	Ethylbenzene	BSP	REC	100	%	79-121
V2P3568-BS	87-68-3	Hexachlorobutadiene	BSP	REC	106	%	66-134
V2P3568-BS	591-78-6	2-Hexanone	BSP	REC	96	%	57-139
V2P3568-BS	98-82-8	Isopropylbenzene	BSP	REC	104	%	72-131
V2P3568-BS	99-87-6	p-Isopropyltoluene	BSP	REC	106	%	77-127
V2P3568-BS	74-83-9	Methyl Bromide	BSP	REC	95	%	53-141
V2P3568-BS	74-87-3	Methyl Chloride	BSP	REC	121	%	50-139
V2P3568-BS	74-95-3	Methylene Bromide	BSP	REC	99	%	79-123
V2P3568-BS	75-09-2	Methylene Chloride	BSP	REC	92	%	74-124
V2P3568-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	97	%	67-130
V2P3568-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	122	%	71-124
V2P3568-BS	91-20-3	Naphthalene	BSP	REC	96	%	61-128
V2P3568-BS	103-65-1	n-Propylbenzene	BSP	REC	98	%	76-126
V2P3568-BS	100-42-5	Styrene	BSP	REC	102	%	78-123
V2P3568-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	100	%	78-124
V2P3568-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	92	%	71-121
V2P3568-BS	127-18-4	Tetrachloroethylene	BSP	REC	107	%	74-129
V2P3568-BS	108-88-3	Toluene	BSP	REC	98	%	80-121
V2P3568-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	98	%	69-129
V2P3568-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	96	%	69-130
V2P3568-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	112	%	74-131
V2P3568-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	100	%	80-119
V2P3568-BS	79-01-6	Trichloroethylene	BSP	REC	106	%	79-123
V2P3568-BS	75-69-4	Trichlorofluoromethane	BSP	REC	132	%	65-141

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V2P3568-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	89	%	73-122
V2P3568-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	97	%	76-124
V2P3568-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	94	%	75-124
V2P3568-BS	108-05-4	Vinyl Acetate	BSP	REC	110	%	54-146
V2P3568-BS	75-01-4	Vinyl Chloride	BSP	REC	126	%	58-137
V2P3568-BS		m,p-Xylene	BSP	REC	99	%	80-121
V2P3568-BS	95-47-6	o-Xylene	BSP	REC	101	%	78-122
V2P3568-BS	1330-20-7	Xylene (total)	BSP	REC	100	%	79-121
V2P3568-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	104	%	80-119
V2P3568-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	102	%	81-118
V2P3568-BS	2037-26-5	Toluene-D8	BSP	SURR	95	%	89-112
V2P3568-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	98	%	85-114
FA98431-6MS*	67-64-1	Acetone	MS	REC	116	%	39-160
FA98431-6MS*	71-43-2	Benzene	MS	REC	117	%	79-120
FA98431-6MS*	108-86-1	Bromobenzene	MS	REC	94	%	80-120
FA98431-6MS*	74-97-5	Bromochloromethane	MS	REC	105	%	78-123
FA98431-6MS*	75-27-4	Bromodichloromethane	MS	REC	105	%	79-125
FA98431-6MS*	75-25-2	Bromoform	MS	REC	84	%	66-130
FA98431-6MS*	78-93-3	2-Butanone (MEK)	MS	REC	115	%	56-143
FA98431-6MS*	104-51-8	n-Butylbenzene	MS	REC	92	%	75-128
FA98431-6MS*	135-98-8	sec-Butylbenzene	MS	REC	107	%	77-126
FA98431-6MS*	98-06-6	tert-Butylbenzene	MS	REC	100	%	78-124
FA98431-6MS*	75-15-0	Carbon Disulfide	MS	REC	80	%	64-133
FA98431-6MS*	56-23-5	Carbon Tetrachloride	MS	REC	111	%	72-136
FA98431-6MS*	108-90-7	Chlorobenzene	MS	REC	103	%	82-118
FA98431-6MS*	75-00-3	Chloroethane	MS	REC	120	%	60-138
FA98431-6MS*	67-66-3	Chloroform	MS	REC	118	%	79-124
FA98431-6MS*	95-49-8	o-Chlorotoluene	MS	REC	96	%	79-122
FA98431-6MS*	106-43-4	p-Chlorotoluene	MS	REC	96	%	78-122
FA98431-6MS*	124-48-1	Dibromochloromethane	MS	REC	90	%	74-126
FA98431-6MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	81	%	62-128
FA98431-6MS*	106-93-4	1,2-Dibromoethane	MS	REC	101	%	77-121
FA98431-6MS*	75-71-8	Dichlorodifluoromethane	MS	REC	146	%	32-152
FA98431-6MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	98	%	80-119
FA98431-6MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	100	%	80-119
FA98431-6MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	97	%	79-118
FA98431-6MS*	75-34-3	1,1-Dichloroethane	MS	REC	123	%	77-125
FA98431-6MS*	107-06-2	1,2-Dichloroethane	MS	REC	114	%	73-128
FA98431-6MS*	75-35-4	1,1-Dichloroethylene	MS	REC	122	%	71-131
FA98431-6MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	118	%	78-123
FA98431-6MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	117	%	75-124
FA98431-6MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	118	%	79-121
FA98431-6MS*	78-87-5	1,2-Dichloropropane	MS	REC	110	%	78-122
FA98431-6MS*	142-28-9	1,3-Dichloropropane	MS	REC	93	%	80-119
FA98431-6MS*	594-20-7	2,2-Dichloropropane	MS	REC	82	%	60-139

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98431-6MS*	563-58-6	1,1-Dichloropropene	MS	REC	119	%	79-125
FA98431-6MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	96	%	75-124
FA98431-6MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	96	%	73-127
FA98431-6MS*	100-41-4	Ethylbenzene	MS	REC	104	%	79-121
FA98431-6MS*	87-68-3	Hexachlorobutadiene	MS	REC	100	%	66-134
FA98431-6MS*	591-78-6	2-Hexanone	MS	REC	98	%	57-139
FA98431-6MS*	98-82-8	Isopropylbenzene	MS	REC	107	%	72-131
FA98431-6MS*	99-87-6	p-Isopropyltoluene	MS	REC	106	%	77-127
FA98431-6MS*	74-83-9	Methyl Bromide	MS	REC	103	%	53-141
FA98431-6MS*	74-87-3	Methyl Chloride	MS	REC	136	%	50-139
FA98431-6MS*	74-95-3	Methylene Bromide	MS	REC	109	%	79-123
FA98431-6MS*	75-09-2	Methylene Chloride	MS	REC	98	%	74-124
FA98431-6MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	102	%	67-130
FA98431-6MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	124	%	71-124
FA98431-6MS*	91-20-3	Naphthalene	MS	REC	93	%	61-128
FA98431-6MS*	103-65-1	n-Propylbenzene	MS	REC	99	%	76-126
FA98431-6MS*	100-42-5	Styrene	MS	REC	105	%	78-123
FA98431-6MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	98	%	78-124
FA98431-6MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	97	%	71-121
FA98431-6MS*	127-18-4	Tetrachloroethylene	MS	REC	106	%	74-129
FA98431-6MS*	108-88-3	Toluene	MS	REC	101	%	80-121
FA98431-6MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	95	%	69-129
FA98431-6MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	94	%	69-130
FA98431-6MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	117	%	74-131
FA98431-6MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	104	%	80-119
FA98431-6MS*	79-01-6	Trichloroethylene	MS	REC	114	%	79-123
FA98431-6MS*	75-69-4	Trichlorofluoromethane	MS	REC	154	%	65-141
FA98431-6MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	92	%	73-122
FA98431-6MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	98	%	76-124
FA98431-6MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	96	%	75-124
FA98431-6MS*	108-05-4	Vinyl Acetate	MS	REC	92	%	54-146
FA98431-6MS*	75-01-4	Vinyl Chloride	MS	REC	142	%	58-137
FA98431-6MS*		m,p-Xylene	MS	REC	103	%	80-121
FA98431-6MS*	95-47-6	o-Xylene	MS	REC	106	%	78-122
FA98431-6MS*	1330-20-7	Xylene (total)	MS	REC	104	%	79-121
FA98431-6MS*	1868-53-7	Dibromofluoromethane	MS	SURR	101	%	80-119
FA98431-6MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	100	%	81-118
FA98431-6MS*	2037-26-5	Toluene-D8	MS	SURR	92	%	89-112
FA98431-6MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	98	%	85-114
FA98431-6MSD*	67-64-1	Acetone	MSD	REC	113	%	39-160
FA98431-6MSD*	67-64-1	Acetone	MSD	RPD	3	%	20
FA98431-6MSD*	71-43-2	Benzene	MSD	REC	118	%	79-120
FA98431-6MSD*	71-43-2	Benzene	MSD	RPD	1	%	20
FA98431-6MSD*	108-86-1	Bromobenzene	MSD	REC	94	%	80-120
FA98431-6MSD*	108-86-1	Bromobenzene	MSD	RPD	1	%	20

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98431-6MSD*	74-97-5	Bromochloromethane	MSD	REC	105	%	78-123
FA98431-6MSD*	74-97-5	Bromochloromethane	MSD	RPD	0	%	20
FA98431-6MSD*	75-27-4	Bromodichloromethane	MSD	REC	109	%	79-125
FA98431-6MSD*	75-27-4	Bromodichloromethane	MSD	RPD	3	%	20
FA98431-6MSD*	75-25-2	Bromoform	MSD	REC	84	%	66-130
FA98431-6MSD*	75-25-2	Bromoform	MSD	RPD	0	%	20
FA98431-6MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	114	%	56-143
FA98431-6MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	1	%	20
FA98431-6MSD*	104-51-8	n-Butylbenzene	MSD	REC	94	%	75-128
FA98431-6MSD*	104-51-8	n-Butylbenzene	MSD	RPD	2	%	20
FA98431-6MSD*	135-98-8	sec-Butylbenzene	MSD	REC	106	%	77-126
FA98431-6MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	2	%	20
FA98431-6MSD*	98-06-6	tert-Butylbenzene	MSD	REC	99	%	78-124
FA98431-6MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	0	%	20
FA98431-6MSD*	75-15-0	Carbon Disulfide	MSD	REC	84	%	64-133
FA98431-6MSD*	75-15-0	Carbon Disulfide	MSD	RPD	5	%	20
FA98431-6MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	118	%	72-136
FA98431-6MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	6	%	20
FA98431-6MSD*	108-90-7	Chlorobenzene	MSD	REC	102	%	82-118
FA98431-6MSD*	108-90-7	Chlorobenzene	MSD	RPD	0	%	20
FA98431-6MSD*	75-00-3	Chloroethane	MSD	REC	124	%	60-138
FA98431-6MSD*	75-00-3	Chloroethane	MSD	RPD	3	%	20
FA98431-6MSD*	67-66-3	Chloroform	MSD	REC	117	%	79-124
FA98431-6MSD*	67-66-3	Chloroform	MSD	RPD	1	%	20
FA98431-6MSD*	95-49-8	o-Chlorotoluene	MSD	REC	98	%	79-122
FA98431-6MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	1	%	20
FA98431-6MSD*	106-43-4	p-Chlorotoluene	MSD	REC	96	%	78-122
FA98431-6MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	0	%	20
FA98431-6MSD*	124-48-1	Dibromochloromethane	MSD	REC	90	%	74-126
FA98431-6MSD*	124-48-1	Dibromochloromethane	MSD	RPD	0	%	20
FA98431-6MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	82	%	62-128
FA98431-6MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	1	%	20
FA98431-6MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	101	%	77-121
FA98431-6MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	0	%	20
FA98431-6MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	145	%	32-152
FA98431-6MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	1	%	20
FA98431-6MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	97	%	80-119
FA98431-6MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	1	%	20
FA98431-6MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	99	%	80-119
FA98431-6MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	1	%	20
FA98431-6MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	95	%	79-118
FA98431-6MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	2	%	20
FA98431-6MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	124	%	77-125
FA98431-6MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	1	%	20
FA98431-6MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	112	%	73-128

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98431-6MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	2	%	20
FA98431-6MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	124	%	71-131
FA98431-6MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	2	%	20
FA98431-6MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	119	%	78-123
FA98431-6MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	1	%	20
FA98431-6MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	119	%	75-124
FA98431-6MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	1	%	20
FA98431-6MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	119	%	79-121
FA98431-6MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	1	%	20
FA98431-6MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	112	%	78-122
FA98431-6MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	1	%	20
FA98431-6MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	92	%	80-119
FA98431-6MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	1	%	20
FA98431-6MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	83	%	60-139
FA98431-6MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	1	%	20
FA98431-6MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	119	%	79-125
FA98431-6MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	0	%	20
FA98431-6MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	98	%	75-124
FA98431-6MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	2	%	20
FA98431-6MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	96	%	73-127
FA98431-6MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	0	%	20
FA98431-6MSD*	100-41-4	Ethylbenzene	MSD	REC	103	%	79-121
FA98431-6MSD*	100-41-4	Ethylbenzene	MSD	RPD	2	%	20
FA98431-6MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	100	%	66-134
FA98431-6MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	0	%	20
FA98431-6MSD*	591-78-6	2-Hexanone	MSD	REC	97	%	57-139
FA98431-6MSD*	591-78-6	2-Hexanone	MSD	RPD	2	%	20
FA98431-6MSD*	98-82-8	Isopropylbenzene	MSD	REC	107	%	72-131
FA98431-6MSD*	98-82-8	Isopropylbenzene	MSD	RPD	0	%	20
FA98431-6MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	106	%	77-127
FA98431-6MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	0	%	20
FA98431-6MSD*	74-83-9	Methyl Bromide	MSD	REC	100	%	53-141
FA98431-6MSD*	74-83-9	Methyl Bromide	MSD	RPD	3	%	20
FA98431-6MSD*	74-87-3	Methyl Chloride	MSD	REC	137	%	50-139
FA98431-6MSD*	74-87-3	Methyl Chloride	MSD	RPD	0	%	20
FA98431-6MSD*	74-95-3	Methylene Bromide	MSD	REC	108	%	79-123
FA98431-6MSD*	74-95-3	Methylene Bromide	MSD	RPD	1	%	20
FA98431-6MSD*	75-09-2	Methylene Chloride	MSD	REC	98	%	74-124
FA98431-6MSD*	75-09-2	Methylene Chloride	MSD	RPD	0	%	20
FA98431-6MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	100	%	67-130
FA98431-6MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	2	%	20
FA98431-6MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	127	%	71-124
FA98431-6MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	2	%	20
FA98431-6MSD*	91-20-3	Naphthalene	MSD	REC	94	%	61-128
FA98431-6MSD*	91-20-3	Naphthalene	MSD	RPD	0	%	20

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98431-6MSD*	103-65-1	n-Propylbenzene	MSD	REC	99	%	76-126
FA98431-6MSD*	103-65-1	n-Propylbenzene	MSD	RPD	0	%	20
FA98431-6MSD*	100-42-5	Styrene	MSD	REC	104	%	78-123
FA98431-6MSD*	100-42-5	Styrene	MSD	RPD	1	%	20
FA98431-6MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	101	%	78-124
FA98431-6MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	2	%	20
FA98431-6MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	96	%	71-121
FA98431-6MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	1	%	20
FA98431-6MSD*	127-18-4	Tetrachloroethylene	MSD	REC	105	%	74-129
FA98431-6MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	0	%	20
FA98431-6MSD*	108-88-3	Toluene	MSD	REC	102	%	80-121
FA98431-6MSD*	108-88-3	Toluene	MSD	RPD	1	%	20
FA98431-6MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	96	%	69-129
FA98431-6MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	2	%	20
FA98431-6MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	95	%	69-130
FA98431-6MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	1	%	20
FA98431-6MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	119	%	74-131
FA98431-6MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	1	%	20
FA98431-6MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	101	%	80-119
FA98431-6MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	3	%	20
FA98431-6MSD*	79-01-6	Trichloroethylene	MSD	REC	112	%	79-123
FA98431-6MSD*	79-01-6	Trichloroethylene	MSD	RPD	1	%	20
FA98431-6MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	151	%	65-141
FA98431-6MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	2	%	20
FA98431-6MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	88	%	73-122
FA98431-6MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	4	%	20
FA98431-6MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	98	%	76-124
FA98431-6MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	0	%	20
FA98431-6MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	96	%	75-124
FA98431-6MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	1	%	20
FA98431-6MSD*	108-05-4	Vinyl Acetate	MSD	REC	93	%	54-146
FA98431-6MSD*	108-05-4	Vinyl Acetate	MSD	RPD	1	%	20
FA98431-6MSD*	75-01-4	Vinyl Chloride	MSD	REC	139	%	58-137
FA98431-6MSD*	75-01-4	Vinyl Chloride	MSD	RPD	2	%	20
FA98431-6MSD*		m,p-Xylene	MSD	REC	103	%	80-121
FA98431-6MSD*		m,p-Xylene	MSD	RPD	0	%	20
FA98431-6MSD*	95-47-6	o-Xylene	MSD	REC	107	%	78-122
FA98431-6MSD*	95-47-6	o-Xylene	MSD	RPD	1	%	20
FA98431-6MSD*	1330-20-7	Xylene (total)	MSD	REC	104	%	79-121
FA98431-6MSD*	1330-20-7	Xylene (total)	MSD	RPD	0	%	20
FA98431-6MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	102	%	80-119
FA98431-6MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	100	%	81-118
FA98431-6MSD*	2037-26-5	Toluene-D8	MSD	SURR	91	%	89-112
FA98431-6MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	98	%	85-114
V2P3568-MB	1868-53-7	Dibromofluoromethane	MB	SURR	96	%	80-119

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V2P3568-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	97	%	81-118
V2P3568-MB	2037-26-5	Toluene-D8	MB	SURR	96	%	89-112
V2P3568-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	98	%	85-114
FA98468-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	98	%	80-119
FA98468-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA98468-2	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA98468-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	97	%	85-114
FA98468-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	96	%	80-119
FA98468-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA98468-3	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA98468-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FA98468-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	94	%	80-119
FA98468-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
FA98468-4	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FA98468-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
FA98468-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	94	%	80-119
FA98468-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
FA98468-5	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FA98468-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
FA98468-6	1868-53-7	Dibromofluoromethane	SAMP	SURR	94	%	80-119
FA98468-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA98468-6	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA98468-6	460-00-4	4-Bromofluorobenzene	SAMP	SURR	97	%	85-114
FA98468-7	1868-53-7	Dibromofluoromethane	SAMP	SURR	94	%	80-119
FA98468-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FA98468-7	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FA98468-7	460-00-4	4-Bromofluorobenzene	SAMP	SURR	97	%	85-114
V5E1550	SW846 8260D						
V5E1550-BS	67-64-1	Acetone	BSP	REC	80	%	39-160
V5E1550-BS	71-43-2	Benzene	BSP	REC	96	%	79-120
V5E1550-BS	108-86-1	Bromobenzene	BSP	REC	92	%	80-120
V5E1550-BS	74-97-5	Bromochloromethane	BSP	REC	97	%	78-123
V5E1550-BS	75-27-4	Bromodichloromethane	BSP	REC	97	%	79-125
V5E1550-BS	75-25-2	Bromoform	BSP	REC	98	%	66-130
V5E1550-BS	78-93-3	2-Butanone (MEK)	BSP	REC	80	%	56-143
V5E1550-BS	104-51-8	n-Butylbenzene	BSP	REC	94	%	75-128
V5E1550-BS	135-98-8	sec-Butylbenzene	BSP	REC	106	%	77-126
V5E1550-BS	98-06-6	tert-Butylbenzene	BSP	REC	96	%	78-124
V5E1550-BS	75-15-0	Carbon Disulfide	BSP	REC	87	%	64-133
V5E1550-BS	56-23-5	Carbon Tetrachloride	BSP	REC	108	%	72-136
V5E1550-BS	108-90-7	Chlorobenzene	BSP	REC	97	%	82-118
V5E1550-BS	75-00-3	Chloroethane	BSP	REC	94	%	60-138
V5E1550-BS	67-66-3	Chloroform	BSP	REC	96	%	79-124

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V5E1550-BS	95-49-8	o-Chlorotoluene	BSP	REC	92	%	79-122
V5E1550-BS	106-43-4	p-Chlorotoluene	BSP	REC	92	%	78-122
V5E1550-BS	124-48-1	Dibromochloromethane	BSP	REC	92	%	74-126
V5E1550-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	79	%	62-128
V5E1550-BS	106-93-4	1,2-Dibromoethane	BSP	REC	95	%	77-121
V5E1550-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	98	%	32-152
V5E1550-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	96	%	80-119
V5E1550-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	98	%	80-119
V5E1550-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	98	%	79-118
V5E1550-BS	75-34-3	1,1-Dichloroethane	BSP	REC	104	%	77-125
V5E1550-BS	107-06-2	1,2-Dichloroethane	BSP	REC	94	%	73-128
V5E1550-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	109	%	71-131
V5E1550-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	101	%	78-123
V5E1550-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	100	%	75-124
V5E1550-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	100	%	79-121
V5E1550-BS	78-87-5	1,2-Dichloropropane	BSP	REC	93	%	78-122
V5E1550-BS	142-28-9	1,3-Dichloropropane	BSP	REC	90	%	80-119
V5E1550-BS	594-20-7	2,2-Dichloropropane	BSP	REC	97	%	60-139
V5E1550-BS	563-58-6	1,1-Dichloropropene	BSP	REC	102	%	79-125
V5E1550-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	95	%	75-124
V5E1550-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	106	%	73-127
V5E1550-BS	100-41-4	Ethylbenzene	BSP	REC	95	%	79-121
V5E1550-BS	87-68-3	Hexachlorobutadiene	BSP	REC	105	%	66-134
V5E1550-BS	591-78-6	2-Hexanone	BSP	REC	79	%	57-139
V5E1550-BS	98-82-8	Isopropylbenzene	BSP	REC	101	%	72-131
V5E1550-BS	99-87-6	p-Isopropyltoluene	BSP	REC	102	%	77-127
V5E1550-BS	74-83-9	Methyl Bromide	BSP	REC	126	%	53-141
V5E1550-BS	74-87-3	Methyl Chloride	BSP	REC	93	%	50-139
V5E1550-BS	74-95-3	Methylene Bromide	BSP	REC	93	%	79-123
V5E1550-BS	75-09-2	Methylene Chloride	BSP	REC	100	%	74-124
V5E1550-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	81	%	67-130
V5E1550-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	108	%	71-124
V5E1550-BS	91-20-3	Naphthalene	BSP	REC	88	%	61-128
V5E1550-BS	103-65-1	n-Propylbenzene	BSP	REC	98	%	76-126
V5E1550-BS	100-42-5	Styrene	BSP	REC	98	%	78-123
V5E1550-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	97	%	78-124
V5E1550-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	87	%	71-121
V5E1550-BS	127-18-4	Tetrachloroethylene	BSP	REC	106	%	74-129
V5E1550-BS	108-88-3	Toluene	BSP	REC	96	%	80-121
V5E1550-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	95	%	69-129
V5E1550-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	97	%	69-130
V5E1550-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	104	%	74-131
V5E1550-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	93	%	80-119
V5E1550-BS	79-01-6	Trichloroethylene	BSP	REC	98	%	79-123
V5E1550-BS	75-69-4	Trichlorofluoromethane	BSP	REC	105	%	65-141

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V5E1550-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	83	%	73-122
V5E1550-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	97	%	76-124
V5E1550-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	95	%	75-124
V5E1550-BS	108-05-4	Vinyl Acetate	BSP	REC	89	%	54-146
V5E1550-BS	75-01-4	Vinyl Chloride	BSP	REC	100	%	58-137
V5E1550-BS		m,p-Xylene	BSP	REC	96	%	80-121
V5E1550-BS	95-47-6	o-Xylene	BSP	REC	97	%	78-122
V5E1550-BS	1330-20-7	Xylene (total)	BSP	REC	96	%	79-121
V5E1550-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	103	%	80-119
V5E1550-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	101	%	81-118
V5E1550-BS	2037-26-5	Toluene-D8	BSP	SURR	101	%	89-112
V5E1550-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	98	%	85-114
FA98592-1MS*	67-64-1	Acetone	MS	REC	84	%	39-160
FA98592-1MS*	71-43-2	Benzene	MS	REC	98	%	79-120
FA98592-1MS*	108-86-1	Bromobenzene	MS	REC	94	%	80-120
FA98592-1MS*	74-97-5	Bromochloromethane	MS	REC	100	%	78-123
FA98592-1MS*	75-27-4	Bromodichloromethane	MS	REC	99	%	79-125
FA98592-1MS*	75-25-2	Bromoform	MS	REC	94	%	66-130
FA98592-1MS*	78-93-3	2-Butanone (MEK)	MS	REC	82	%	56-143
FA98592-1MS*	104-51-8	n-Butylbenzene	MS	REC	85	%	75-128
FA98592-1MS*	135-98-8	sec-Butylbenzene	MS	REC	102	%	77-126
FA98592-1MS*	98-06-6	tert-Butylbenzene	MS	REC	93	%	78-124
FA98592-1MS*	75-15-0	Carbon Disulfide	MS	REC	83	%	64-133
FA98592-1MS*	56-23-5	Carbon Tetrachloride	MS	REC	112	%	72-136
FA98592-1MS*	108-90-7	Chlorobenzene	MS	REC	97	%	82-118
FA98592-1MS*	75-00-3	Chloroethane	MS	REC	102	%	60-138
FA98592-1MS*	67-66-3	Chloroform	MS	REC	99	%	79-124
FA98592-1MS*	95-49-8	o-Chlorotoluene	MS	REC	94	%	79-122
FA98592-1MS*	106-43-4	p-Chlorotoluene	MS	REC	94	%	78-122
FA98592-1MS*	124-48-1	Dibromochloromethane	MS	REC	91	%	74-126
FA98592-1MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	75	%	62-128
FA98592-1MS*	106-93-4	1,2-Dibromoethane	MS	REC	95	%	77-121
FA98592-1MS*	75-71-8	Dichlorodifluoromethane	MS	REC	100	%	32-152
FA98592-1MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	96	%	80-119
FA98592-1MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	97	%	80-119
FA98592-1MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	97	%	79-118
FA98592-1MS*	75-34-3	1,1-Dichloroethane	MS	REC	104	%	77-125
FA98592-1MS*	107-06-2	1,2-Dichloroethane	MS	REC	99	%	73-128
FA98592-1MS*	75-35-4	1,1-Dichloroethylene	MS	REC	112	%	71-131
FA98592-1MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	76 [a]	%	78-123
FA98592-1MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	96	%	75-124
FA98592-1MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	84	%	79-121
FA98592-1MS*	78-87-5	1,2-Dichloropropane	MS	REC	93	%	78-122
FA98592-1MS*	142-28-9	1,3-Dichloropropane	MS	REC	88	%	80-119
FA98592-1MS*	594-20-7	2,2-Dichloropropane	MS	REC	84	%	60-139

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98592-1MS*	563-58-6	1,1-Dichloropropene	MS	REC	102	%	79-125
FA98592-1MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	94	%	75-124
FA98592-1MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	97	%	73-127
FA98592-1MS*	100-41-4	Ethylbenzene	MS	REC	93	%	79-121
FA98592-1MS*	87-68-3	Hexachlorobutadiene	MS	REC	97	%	66-134
FA98592-1MS*	591-78-6	2-Hexanone	MS	REC	79	%	57-139
FA98592-1MS*	98-82-8	Isopropylbenzene	MS	REC	99	%	72-131
FA98592-1MS*	99-87-6	p-Isopropyltoluene	MS	REC	99	%	77-127
FA98592-1MS*	74-83-9	Methyl Bromide	MS	REC	87	%	53-141
FA98592-1MS*	74-87-3	Methyl Chloride	MS	REC	96	%	50-139
FA98592-1MS*	74-95-3	Methylene Bromide	MS	REC	98	%	79-123
FA98592-1MS*	75-09-2	Methylene Chloride	MS	REC	101	%	74-124
FA98592-1MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	81	%	67-130
FA98592-1MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	110	%	71-124
FA98592-1MS*	91-20-3	Naphthalene	MS	REC	87	%	61-128
FA98592-1MS*	103-65-1	n-Propylbenzene	MS	REC	97	%	76-126
FA98592-1MS*	100-42-5	Styrene	MS	REC	96	%	78-123
FA98592-1MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	100	%	78-124
FA98592-1MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	86	%	71-121
FA98592-1MS*	127-18-4	Tetrachloroethylene	MS	REC	115	%	74-129
FA98592-1MS*	108-88-3	Toluene	MS	REC	94	%	80-121
FA98592-1MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	94	%	69-129
FA98592-1MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	92	%	69-130
FA98592-1MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	108	%	74-131
FA98592-1MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	94	%	80-119
FA98592-1MS*	79-01-6	Trichloroethylene	MS	REC	81	%	79-123
FA98592-1MS*	75-69-4	Trichlorofluoromethane	MS	REC	110	%	65-141
FA98592-1MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	86	%	73-122
FA98592-1MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	97	%	76-124
FA98592-1MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	94	%	75-124
FA98592-1MS*	108-05-4	Vinyl Acetate	MS	REC	86	%	54-146
FA98592-1MS*	75-01-4	Vinyl Chloride	MS	REC	99	%	58-137
FA98592-1MS*		m,p-Xylene	MS	REC	96	%	80-121
FA98592-1MS*	95-47-6	o-Xylene	MS	REC	97	%	78-122
FA98592-1MS*	1330-20-7	Xylene (total)	MS	REC	96	%	79-121
FA98592-1MS*	1868-53-7	Dibromofluoromethane	MS	SURR	101	%	80-119
FA98592-1MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	102	%	81-118
FA98592-1MS*	2037-26-5	Toluene-D8	MS	SURR	98	%	89-112
FA98592-1MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	96	%	85-114
FA98592-1MSD*	67-64-1	Acetone	MSD	REC	86	%	39-160
FA98592-1MSD*	67-64-1	Acetone	MSD	RPD	2	%	20
FA98592-1MSD*	71-43-2	Benzene	MSD	REC	96	%	79-120
FA98592-1MSD*	71-43-2	Benzene	MSD	RPD	2	%	20
FA98592-1MSD*	108-86-1	Bromobenzene	MSD	REC	89	%	80-120
FA98592-1MSD*	108-86-1	Bromobenzene	MSD	RPD	5	%	20

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98592-1MSD*	74-97-5	Bromochloromethane	MSD	REC	96	%	78-123
FA98592-1MSD*	74-97-5	Bromochloromethane	MSD	RPD	4	%	20
FA98592-1MSD*	75-27-4	Bromodichloromethane	MSD	REC	97	%	79-125
FA98592-1MSD*	75-27-4	Bromodichloromethane	MSD	RPD	2	%	20
FA98592-1MSD*	75-25-2	Bromoform	MSD	REC	93	%	66-130
FA98592-1MSD*	75-25-2	Bromoform	MSD	RPD	1	%	20
FA98592-1MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	82	%	56-143
FA98592-1MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	0	%	20
FA98592-1MSD*	104-51-8	n-Butylbenzene	MSD	REC	83	%	75-128
FA98592-1MSD*	104-51-8	n-Butylbenzene	MSD	RPD	2	%	20
FA98592-1MSD*	135-98-8	sec-Butylbenzene	MSD	REC	100	%	77-126
FA98592-1MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	2	%	20
FA98592-1MSD*	98-06-6	tert-Butylbenzene	MSD	REC	91	%	78-124
FA98592-1MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	2	%	20
FA98592-1MSD*	75-15-0	Carbon Disulfide	MSD	REC	81	%	64-133
FA98592-1MSD*	75-15-0	Carbon Disulfide	MSD	RPD	2	%	20
FA98592-1MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	111	%	72-136
FA98592-1MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	1	%	20
FA98592-1MSD*	108-90-7	Chlorobenzene	MSD	REC	94	%	82-118
FA98592-1MSD*	108-90-7	Chlorobenzene	MSD	RPD	3	%	20
FA98592-1MSD*	75-00-3	Chloroethane	MSD	REC	110	%	60-138
FA98592-1MSD*	75-00-3	Chloroethane	MSD	RPD	7	%	20
FA98592-1MSD*	67-66-3	Chloroform	MSD	REC	96	%	79-124
FA98592-1MSD*	67-66-3	Chloroform	MSD	RPD	3	%	20
FA98592-1MSD*	95-49-8	o-Chlorotoluene	MSD	REC	90	%	79-122
FA98592-1MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	5	%	20
FA98592-1MSD*	106-43-4	p-Chlorotoluene	MSD	REC	90	%	78-122
FA98592-1MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	4	%	20
FA98592-1MSD*	124-48-1	Dibromochloromethane	MSD	REC	88	%	74-126
FA98592-1MSD*	124-48-1	Dibromochloromethane	MSD	RPD	3	%	20
FA98592-1MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	76	%	62-128
FA98592-1MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	1	%	20
FA98592-1MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	91	%	77-121
FA98592-1MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	4	%	20
FA98592-1MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	105	%	32-152
FA98592-1MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	5	%	20
FA98592-1MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	93	%	80-119
FA98592-1MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	3	%	20
FA98592-1MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	94	%	80-119
FA98592-1MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	3	%	20
FA98592-1MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	94	%	79-118
FA98592-1MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	3	%	20
FA98592-1MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	101	%	77-125
FA98592-1MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	2	%	20
FA98592-1MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	96	%	73-128

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98592-1MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	2	%	20
FA98592-1MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	110	%	71-131
FA98592-1MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	2	%	20
FA98592-1MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	80	%	78-123
FA98592-1MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	1	%	20
FA98592-1MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	95	%	75-124
FA98592-1MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	1	%	20
FA98592-1MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	86	%	79-121
FA98592-1MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	1	%	20
FA98592-1MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	90	%	78-122
FA98592-1MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	3	%	20
FA98592-1MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	86	%	80-119
FA98592-1MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	2	%	20
FA98592-1MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	81	%	60-139
FA98592-1MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	4	%	20
FA98592-1MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	102	%	79-125
FA98592-1MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	0	%	20
FA98592-1MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	89	%	75-124
FA98592-1MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	5	%	20
FA98592-1MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	96	%	73-127
FA98592-1MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	1	%	20
FA98592-1MSD*	100-41-4	Ethylbenzene	MSD	REC	91	%	79-121
FA98592-1MSD*	100-41-4	Ethylbenzene	MSD	RPD	2	%	20
FA98592-1MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	90	%	66-134
FA98592-1MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	7	%	20
FA98592-1MSD*	591-78-6	2-Hexanone	MSD	REC	81	%	57-139
FA98592-1MSD*	591-78-6	2-Hexanone	MSD	RPD	2	%	20
FA98592-1MSD*	98-82-8	Isopropylbenzene	MSD	REC	96	%	72-131
FA98592-1MSD*	98-82-8	Isopropylbenzene	MSD	RPD	3	%	20
FA98592-1MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	95	%	77-127
FA98592-1MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	4	%	20
FA98592-1MSD*	74-83-9	Methyl Bromide	MSD	REC	111	%	53-141
FA98592-1MSD*	74-83-9	Methyl Bromide	MSD	RPD	25	%	20
FA98592-1MSD*	74-87-3	Methyl Chloride	MSD	REC	103	%	50-139
FA98592-1MSD*	74-87-3	Methyl Chloride	MSD	RPD	7	%	20
FA98592-1MSD*	74-95-3	Methylene Bromide	MSD	REC	92	%	79-123
FA98592-1MSD*	74-95-3	Methylene Bromide	MSD	RPD	5	%	20
FA98592-1MSD*	75-09-2	Methylene Chloride	MSD	REC	97	%	74-124
FA98592-1MSD*	75-09-2	Methylene Chloride	MSD	RPD	3	%	20
FA98592-1MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	81	%	67-130
FA98592-1MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	0	%	20
FA98592-1MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	107	%	71-124
FA98592-1MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	3	%	20
FA98592-1MSD*	91-20-3	Naphthalene	MSD	REC	86	%	61-128
FA98592-1MSD*	91-20-3	Naphthalene	MSD	RPD	1	%	20

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98592-1MSD*	103-65-1	n-Propylbenzene	MSD	REC	92	%	76-126
FA98592-1MSD*	103-65-1	n-Propylbenzene	MSD	RPD	5	%	20
FA98592-1MSD*	100-42-5	Styrene	MSD	REC	94	%	78-123
FA98592-1MSD*	100-42-5	Styrene	MSD	RPD	2	%	20
FA98592-1MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	94	%	78-124
FA98592-1MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	7	%	20
FA98592-1MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	83	%	71-121
FA98592-1MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	4	%	20
FA98592-1MSD*	127-18-4	Tetrachloroethylene	MSD	REC	111	%	74-129
FA98592-1MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	4	%	20
FA98592-1MSD*	108-88-3	Toluene	MSD	REC	92	%	80-121
FA98592-1MSD*	108-88-3	Toluene	MSD	RPD	2	%	20
FA98592-1MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	91	%	69-129
FA98592-1MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	3	%	20
FA98592-1MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	91	%	69-130
FA98592-1MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	2	%	20
FA98592-1MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	105	%	74-131
FA98592-1MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	3	%	20
FA98592-1MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	92	%	80-119
FA98592-1MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	2	%	20
FA98592-1MSD*	79-01-6	Trichloroethylene	MSD	REC	82	%	79-123
FA98592-1MSD*	79-01-6	Trichloroethylene	MSD	RPD	0	%	20
FA98592-1MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	119	%	65-141
FA98592-1MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	8	%	20
FA98592-1MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	81	%	73-122
FA98592-1MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	5	%	20
FA98592-1MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	93	%	76-124
FA98592-1MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	4	%	20
FA98592-1MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	90	%	75-124
FA98592-1MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	4	%	20
FA98592-1MSD*	108-05-4	Vinyl Acetate	MSD	REC	86	%	54-146
FA98592-1MSD*	108-05-4	Vinyl Acetate	MSD	RPD	0	%	20
FA98592-1MSD*	75-01-4	Vinyl Chloride	MSD	REC	107	%	58-137
FA98592-1MSD*	75-01-4	Vinyl Chloride	MSD	RPD	7	%	20
FA98592-1MSD*		m,p-Xylene	MSD	REC	93	%	80-121
FA98592-1MSD*		m,p-Xylene	MSD	RPD	3	%	20
FA98592-1MSD*	95-47-6	o-Xylene	MSD	REC	94	%	78-122
FA98592-1MSD*	95-47-6	o-Xylene	MSD	RPD	3	%	20
FA98592-1MSD*	1330-20-7	Xylene (total)	MSD	REC	94	%	79-121
FA98592-1MSD*	1330-20-7	Xylene (total)	MSD	RPD	3	%	20
FA98592-1MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	102	%	80-119
FA98592-1MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	102	%	81-118
FA98592-1MSD*	2037-26-5	Toluene-D8	MSD	SURR	98	%	89-112
FA98592-1MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	96	%	85-114
V5E1550-MB	1868-53-7	Dibromofluoromethane	MB	SURR	102	%	80-119

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V5E1550-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	100	%	81-118
V5E1550-MB	2037-26-5	Toluene-D8	MB	SURR	100	%	89-112
V5E1550-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	100	%	85-114
FA98468-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	100	%	80-119
FA98468-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	97	%	81-118
FA98468-4	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FA98468-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	85-114
FA98468-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	102	%	80-119
FA98468-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA98468-5	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FA98468-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FA98468-7	1868-53-7	Dibromofluoromethane	SAMP	SURR	101	%	80-119
FA98468-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FA98468-7	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA98468-7	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FA98468-8	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
FA98468-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	97	%	81-118
FA98468-8	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FA98468-8	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FA98468-9	1868-53-7	Dibromofluoromethane	SAMP	SURR	100	%	80-119
FA98468-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FA98468-9	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98468-9	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FA98468-10	1868-53-7	Dibromofluoromethane	SAMP	SURR	101	%	80-119
FA98468-10	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
FA98468-10	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FA98468-10	460-00-4	4-Bromofluorobenzene	SAMP	SURR	102	%	85-114
VY2672	SW846 8260D						
VY2672-BS	67-64-1	Acetone	BSP	REC	113	%	39-160
VY2672-BS	71-43-2	Benzene	BSP	REC	101	%	79-120
VY2672-BS	108-86-1	Bromobenzene	BSP	REC	82	%	80-120
VY2672-BS	74-97-5	Bromochloromethane	BSP	REC	92	%	78-123
VY2672-BS	75-27-4	Bromodichloromethane	BSP	REC	104	%	79-125
VY2672-BS	75-25-2	Bromoform	BSP	REC	88	%	66-130
VY2672-BS	78-93-3	2-Butanone (MEK)	BSP	REC	106	%	56-143
VY2672-BS	104-51-8	n-Butylbenzene	BSP	REC	85	%	75-128
VY2672-BS	135-98-8	sec-Butylbenzene	BSP	REC	94	%	77-126
VY2672-BS	98-06-6	tert-Butylbenzene	BSP	REC	92	%	78-124
VY2672-BS	75-15-0	Carbon Disulfide	BSP	REC	83	%	64-133
VY2672-BS	56-23-5	Carbon Tetrachloride	BSP	REC	107	%	72-136
VY2672-BS	108-90-7	Chlorobenzene	BSP	REC	93	%	82-118
VY2672-BS	75-00-3	Chloroethane	BSP	REC	124	%	60-138
VY2672-BS	67-66-3	Chloroform	BSP	REC	102	%	79-124

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VY2672-BS	95-49-8	o-Chlorotoluene	BSP	REC	94	%	79-122
VY2672-BS	106-43-4	p-Chlorotoluene	BSP	REC	94	%	78-122
VY2672-BS	124-48-1	Dibromochloromethane	BSP	REC	88	%	74-126
VY2672-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	91	%	62-128
VY2672-BS	106-93-4	1,2-Dibromoethane	BSP	REC	92	%	77-121
VY2672-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	99	%	32-152
VY2672-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	88	%	80-119
VY2672-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	88	%	80-119
VY2672-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	89	%	79-118
VY2672-BS	75-34-3	1,1-Dichloroethane	BSP	REC	108	%	77-125
VY2672-BS	107-06-2	1,2-Dichloroethane	BSP	REC	100	%	73-128
VY2672-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	107	%	71-131
VY2672-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	102	%	78-123
VY2672-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	102	%	75-124
VY2672-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	102	%	79-121
VY2672-BS	78-87-5	1,2-Dichloropropane	BSP	REC	98	%	78-122
VY2672-BS	142-28-9	1,3-Dichloropropane	BSP	REC	87	%	80-119
VY2672-BS	594-20-7	2,2-Dichloropropane	BSP	REC	104	%	60-139
VY2672-BS	563-58-6	1,1-Dichloropropene	BSP	REC	107	%	79-125
VY2672-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	105	%	75-124
VY2672-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	104	%	73-127
VY2672-BS	100-41-4	Ethylbenzene	BSP	REC	94	%	79-121
VY2672-BS	591-78-6	2-Hexanone	BSP	REC	112	%	57-139
VY2672-BS	98-82-8	Isopropylbenzene	BSP	REC	94	%	72-131
VY2672-BS	99-87-6	p-Isopropyltoluene	BSP	REC	93	%	77-127
VY2672-BS	74-83-9	Methyl Bromide	BSP	REC	132	%	53-141
VY2672-BS	74-87-3	Methyl Chloride	BSP	REC	105	%	50-139
VY2672-BS	74-95-3	Methylene Bromide	BSP	REC	98	%	79-123
VY2672-BS	75-09-2	Methylene Chloride	BSP	REC	109	%	74-124
VY2672-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	99	%	67-130
VY2672-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	117	%	71-124
VY2672-BS	91-20-3	Naphthalene	BSP	REC	94	%	61-128
VY2672-BS	103-65-1	n-Propylbenzene	BSP	REC	95	%	76-126
VY2672-BS	100-42-5	Styrene	BSP	REC	94	%	78-123
VY2672-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	92	%	78-124
VY2672-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	97	%	71-121
VY2672-BS	127-18-4	Tetrachloroethylene	BSP	REC	90	%	74-129
VY2672-BS	108-88-3	Toluene	BSP	REC	94	%	80-121
VY2672-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	80	%	69-129
VY2672-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	81	%	69-130
VY2672-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	105	%	74-131
VY2672-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	96	%	80-119
VY2672-BS	79-01-6	Trichloroethylene	BSP	REC	108	%	79-123
VY2672-BS	75-69-4	Trichlorofluoromethane	BSP	REC	110	%	65-141
VY2672-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	88	%	73-122

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VY2672-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	93	%	76-124
VY2672-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	90	%	75-124
VY2672-BS	108-05-4	Vinyl Acetate	BSP	REC	105	%	54-146
VY2672-BS	75-01-4	Vinyl Chloride	BSP	REC	99	%	58-137
VY2672-BS		m,p-Xylene	BSP	REC	92	%	80-121
VY2672-BS	95-47-6	o-Xylene	BSP	REC	96	%	78-122
VY2672-BS	1330-20-7	Xylene (total)	BSP	REC	93	%	79-121
VY2672-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	99	%	80-119
VY2672-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	98	%	81-118
VY2672-BS	2037-26-5	Toluene-D8	BSP	SURR	97	%	89-112
VY2672-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	95	%	85-114
FA98458-1MS*	67-64-1	Acetone	MS	REC	121	%	39-160
FA98458-1MS*	71-43-2	Benzene	MS	REC	111	%	79-120
FA98458-1MS*	108-86-1	Bromobenzene	MS	REC	77	%	80-120
FA98458-1MS*	74-97-5	Bromochloromethane	MS	REC	85	%	78-123
FA98458-1MS*	75-27-4	Bromodichloromethane	MS	REC	109	%	79-125
FA98458-1MS*	75-25-2	Bromoform	MS	REC	64	%	66-130
FA98458-1MS*	78-93-3	2-Butanone (MEK)	MS	REC	114	%	56-143
FA98458-1MS*	104-51-8	n-Butylbenzene	MS	REC	100	%	75-128
FA98458-1MS*	135-98-8	sec-Butylbenzene	MS	REC	112	%	77-126
FA98458-1MS*	98-06-6	tert-Butylbenzene	MS	REC	104	%	78-124
FA98458-1MS*	75-15-0	Carbon Disulfide	MS	REC	81	%	64-133
FA98458-1MS*	56-23-5	Carbon Tetrachloride	MS	REC	98	%	72-136
FA98458-1MS*	108-90-7	Chlorobenzene	MS	REC	94	%	82-118
FA98458-1MS*	75-00-3	Chloroethane	MS	REC	164	%	60-138
FA98458-1MS*	67-66-3	Chloroform	MS	REC	108	%	79-124
FA98458-1MS*	95-49-8	o-Chlorotoluene	MS	REC	101	%	79-122
FA98458-1MS*	106-43-4	p-Chlorotoluene	MS	REC	102	%	78-122
FA98458-1MS*	124-48-1	Dibromochloromethane	MS	REC	77	%	74-126
FA98458-1MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	92	%	62-128
FA98458-1MS*	106-93-4	1,2-Dibromoethane	MS	REC	87	%	77-121
FA98458-1MS*	75-71-8	Dichlorodifluoromethane	MS	REC	106	%	32-152
FA98458-1MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	82	%	80-119
FA98458-1MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	84	%	80-119
FA98458-1MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	83	%	79-118
FA98458-1MS*	75-34-3	1,1-Dichloroethane	MS	REC	118	%	77-125
FA98458-1MS*	107-06-2	1,2-Dichloroethane	MS	REC	110	%	73-128
FA98458-1MS*	75-35-4	1,1-Dichloroethylene	MS	REC	112	%	71-131
FA98458-1MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	105	%	78-123
FA98458-1MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	110	%	75-124
FA98458-1MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	108	%	79-121
FA98458-1MS*	78-87-5	1,2-Dichloropropane	MS	REC	111	%	78-122
FA98458-1MS*	142-28-9	1,3-Dichloropropane	MS	REC	91	%	80-119
FA98458-1MS*	594-20-7	2,2-Dichloropropane	MS	REC	96	%	60-139
FA98458-1MS*	563-58-6	1,1-Dichloropropene	MS	REC	112	%	79-125

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98458-1MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	106	%	75-124
FA98458-1MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	98	%	73-127
FA98458-1MS*	100-41-4	Ethylbenzene	MS	REC	102	%	79-121
FA98458-1MS*	591-78-6	2-Hexanone	MS	REC	118	%	57-139
FA98458-1MS*	98-82-8	Isopropylbenzene	MS	REC	99	%	72-131
FA98458-1MS*	99-87-6	p-Isopropyltoluene	MS	REC	103	%	77-127
FA98458-1MS*	74-83-9	Methyl Bromide	MS	REC	36	%	53-141
FA98458-1MS*	74-87-3	Methyl Chloride	MS	REC	120	%	50-139
FA98458-1MS*	74-95-3	Methylene Bromide	MS	REC	100	%	79-123
FA98458-1MS*	75-09-2	Methylene Chloride	MS	REC	102	%	74-124
FA98458-1MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	107	%	67-130
FA98458-1MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	121	%	71-124
FA98458-1MS*	91-20-3	Naphthalene	MS	REC	86	%	61-128
FA98458-1MS*	103-65-1	n-Propylbenzene	MS	REC	106	%	76-126
FA98458-1MS*	100-42-5	Styrene	MS	REC	94	%	78-123
FA98458-1MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	86	%	78-124
FA98458-1MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	106	%	71-121
FA98458-1MS*	127-18-4	Tetrachloroethylene	MS	REC	66	%	74-129
FA98458-1MS*	108-88-3	Toluene	MS	REC	98	%	80-121
FA98458-1MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	73	%	69-129
FA98458-1MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	71	%	69-130
FA98458-1MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	106	%	74-131
FA98458-1MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	96	%	80-119
FA98458-1MS*	79-01-6	Trichloroethylene	MS	REC	106	%	79-123
FA98458-1MS*	75-69-4	Trichlorofluoromethane	MS	REC	125	%	65-141
FA98458-1MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	88	%	73-122
FA98458-1MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	102	%	76-124
FA98458-1MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	99	%	75-124
FA98458-1MS*	108-05-4	Vinyl Acetate	MS	REC	122	%	54-146
FA98458-1MS*	75-01-4	Vinyl Chloride	MS	REC	108	%	58-137
FA98458-1MS*		m,p-Xylene	MS	REC	100	%	80-121
FA98458-1MS*	95-47-6	o-Xylene	MS	REC	101	%	78-122
FA98458-1MS*	1330-20-7	Xylene (total)	MS	REC	100	%	79-121
FA98458-1MS*	1868-53-7	Dibromofluoromethane	MS	SURR	95	%	80-119
FA98458-1MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	104	%	81-118
FA98458-1MS*	2037-26-5	Toluene-D8	MS	SURR	96	%	89-112
FA98458-1MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	88	%	85-114
FA98458-1MSD*	67-64-1	Acetone	MSD	REC	114	%	39-160
FA98458-1MSD*	67-64-1	Acetone	MSD	RPD	5	%	20
FA98458-1MSD*	71-43-2	Benzene	MSD	REC	110	%	79-120
FA98458-1MSD*	71-43-2	Benzene	MSD	RPD	0	%	20
FA98458-1MSD*	108-86-1	Bromobenzene	MSD	REC	76	%	80-120
FA98458-1MSD*	108-86-1	Bromobenzene	MSD	RPD	1	%	20
FA98458-1MSD*	74-97-5	Bromochloromethane	MSD	REC	90	%	78-123
FA98458-1MSD*	74-97-5	Bromochloromethane	MSD	RPD	5	%	20

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98458-1MSD*	75-27-4	Bromodichloromethane	MSD	REC	107	%	79-125
FA98458-1MSD*	75-27-4	Bromodichloromethane	MSD	RPD	2	%	20
FA98458-1MSD*	75-25-2	Bromoform	MSD	REC	70	%	66-130
FA98458-1MSD*	75-25-2	Bromoform	MSD	RPD	9	%	20
FA98458-1MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	112	%	56-143
FA98458-1MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	2	%	20
FA98458-1MSD*	104-51-8	n-Butylbenzene	MSD	REC	97	%	75-128
FA98458-1MSD*	104-51-8	n-Butylbenzene	MSD	RPD	4	%	20
FA98458-1MSD*	135-98-8	sec-Butylbenzene	MSD	REC	108	%	77-126
FA98458-1MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	3	%	20
FA98458-1MSD*	98-06-6	tert-Butylbenzene	MSD	REC	101	%	78-124
FA98458-1MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	3	%	20
FA98458-1MSD*	75-15-0	Carbon Disulfide	MSD	REC	87	%	64-133
FA98458-1MSD*	75-15-0	Carbon Disulfide	MSD	RPD	8	%	20
FA98458-1MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	101	%	72-136
FA98458-1MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	3	%	20
FA98458-1MSD*	108-90-7	Chlorobenzene	MSD	REC	93	%	82-118
FA98458-1MSD*	108-90-7	Chlorobenzene	MSD	RPD	1	%	20
FA98458-1MSD*	75-00-3	Chloroethane	MSD	REC	158	%	60-138
FA98458-1MSD*	75-00-3	Chloroethane	MSD	RPD	4	%	20
FA98458-1MSD*	67-66-3	Chloroform	MSD	REC	110	%	79-124
FA98458-1MSD*	67-66-3	Chloroform	MSD	RPD	2	%	20
FA98458-1MSD*	95-49-8	o-Chlorotoluene	MSD	REC	99	%	79-122
FA98458-1MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	2	%	20
FA98458-1MSD*	106-43-4	p-Chlorotoluene	MSD	REC	100	%	78-122
FA98458-1MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	2	%	20
FA98458-1MSD*	124-48-1	Dibromochloromethane	MSD	REC	80	%	74-126
FA98458-1MSD*	124-48-1	Dibromochloromethane	MSD	RPD	3	%	20
FA98458-1MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	87	%	62-128
FA98458-1MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	5	%	20
FA98458-1MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	90	%	77-121
FA98458-1MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	4	%	20
FA98458-1MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	114	%	32-152
FA98458-1MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	8	%	20
FA98458-1MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	84	%	80-119
FA98458-1MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	1	%	20
FA98458-1MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	84	%	80-119
FA98458-1MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	1	%	20
FA98458-1MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	84	%	79-118
FA98458-1MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	1	%	20
FA98458-1MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	120	%	77-125
FA98458-1MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	2	%	20
FA98458-1MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	103	%	73-128
FA98458-1MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	6	%	20
FA98458-1MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	114	%	71-131

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98458-1MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	2	%	20
FA98458-1MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	110	%	78-123
FA98458-1MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	4	%	20
FA98458-1MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	114	%	75-124
FA98458-1MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	3	%	20
FA98458-1MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	112	%	79-121
FA98458-1MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	3	%	20
FA98458-1MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	108	%	78-122
FA98458-1MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	3	%	20
FA98458-1MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	92	%	80-119
FA98458-1MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	2	%	20
FA98458-1MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	97	%	60-139
FA98458-1MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	1	%	20
FA98458-1MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	111	%	79-125
FA98458-1MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	1	%	20
FA98458-1MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	106	%	75-124
FA98458-1MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	0	%	20
FA98458-1MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	102	%	73-127
FA98458-1MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	4	%	20
FA98458-1MSD*	100-41-4	Ethylbenzene	MSD	REC	101	%	79-121
FA98458-1MSD*	100-41-4	Ethylbenzene	MSD	RPD	1	%	20
FA98458-1MSD*	591-78-6	2-Hexanone	MSD	REC	115	%	57-139
FA98458-1MSD*	591-78-6	2-Hexanone	MSD	RPD	3	%	20
FA98458-1MSD*	98-82-8	Isopropylbenzene	MSD	REC	100	%	72-131
FA98458-1MSD*	98-82-8	Isopropylbenzene	MSD	RPD	1	%	20
FA98458-1MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	102	%	77-127
FA98458-1MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	2	%	20
FA98458-1MSD*	74-83-9	Methyl Bromide	MSD	REC	57	%	53-141
FA98458-1MSD*	74-83-9	Methyl Bromide	MSD	RPD	44	%	20
FA98458-1MSD*	74-87-3	Methyl Chloride	MSD	REC	126	%	50-139
FA98458-1MSD*	74-87-3	Methyl Chloride	MSD	RPD	5	%	20
FA98458-1MSD*	74-95-3	Methylene Bromide	MSD	REC	103	%	79-123
FA98458-1MSD*	74-95-3	Methylene Bromide	MSD	RPD	3	%	20
FA98458-1MSD*	75-09-2	Methylene Chloride	MSD	REC	107	%	74-124
FA98458-1MSD*	75-09-2	Methylene Chloride	MSD	RPD	5	%	20
FA98458-1MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	104	%	67-130
FA98458-1MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	3	%	20
FA98458-1MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	122	%	71-124
FA98458-1MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	1	%	20
FA98458-1MSD*	91-20-3	Naphthalene	MSD	REC	85	%	61-128
FA98458-1MSD*	91-20-3	Naphthalene	MSD	RPD	1	%	20
FA98458-1MSD*	103-65-1	n-Propylbenzene	MSD	REC	105	%	76-126
FA98458-1MSD*	103-65-1	n-Propylbenzene	MSD	RPD	1	%	20
FA98458-1MSD*	100-42-5	Styrene	MSD	REC	98	%	78-123
FA98458-1MSD*	100-42-5	Styrene	MSD	RPD	4	%	20

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98458-1MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	85	%	78-124
FA98458-1MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	2	%	20
FA98458-1MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	101	%	71-121
FA98458-1MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	5	%	20
FA98458-1MSD*	127-18-4	Tetrachloroethylene	MSD	REC	61	%	74-129
FA98458-1MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	3	%	20
FA98458-1MSD*	108-88-3	Toluene	MSD	REC	97	%	80-121
FA98458-1MSD*	108-88-3	Toluene	MSD	RPD	1	%	20
FA98458-1MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	73	%	69-129
FA98458-1MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	0	%	20
FA98458-1MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	72	%	69-130
FA98458-1MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	2	%	20
FA98458-1MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	108	%	74-131
FA98458-1MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	2	%	20
FA98458-1MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	100	%	80-119
FA98458-1MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	4	%	20
FA98458-1MSD*	79-01-6	Trichloroethylene	MSD	REC	108	%	79-123
FA98458-1MSD*	79-01-6	Trichloroethylene	MSD	RPD	2	%	20
FA98458-1MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	126	%	65-141
FA98458-1MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	0	%	20
FA98458-1MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	89	%	73-122
FA98458-1MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	2	%	20
FA98458-1MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	99	%	76-124
FA98458-1MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	3	%	20
FA98458-1MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	97	%	75-124
FA98458-1MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	2	%	20
FA98458-1MSD*	108-05-4	Vinyl Acetate	MSD	REC	117	%	54-146
FA98458-1MSD*	108-05-4	Vinyl Acetate	MSD	RPD	4	%	20
FA98458-1MSD*	75-01-4	Vinyl Chloride	MSD	REC	115	%	58-137
FA98458-1MSD*	75-01-4	Vinyl Chloride	MSD	RPD	7	%	20
FA98458-1MSD*		m,p-Xylene	MSD	REC	99	%	80-121
FA98458-1MSD*		m,p-Xylene	MSD	RPD	1	%	20
FA98458-1MSD*	95-47-6	o-Xylene	MSD	REC	101	%	78-122
FA98458-1MSD*	95-47-6	o-Xylene	MSD	RPD	1	%	20
FA98458-1MSD*	1330-20-7	Xylene (total)	MSD	REC	99	%	79-121
FA98458-1MSD*	1330-20-7	Xylene (total)	MSD	RPD	1	%	20
FA98458-1MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	99	%	80-119
FA98458-1MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	103	%	81-118
FA98458-1MSD*	2037-26-5	Toluene-D8	MSD	SURR	96	%	89-112
FA98458-1MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	88	%	85-114
VY2672-MB	1868-53-7	Dibromofluoromethane	MB	SURR	94	%	80-119
VY2672-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	101	%	81-118
VY2672-MB	2037-26-5	Toluene-D8	MB	SURR	101	%	89-112
VY2672-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	96	%	85-114
FA98468-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	92	%	80-119

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98468-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FA98468-1	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112
FA98468-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	94	%	85-114
G1R345	RSKSOP-147/175						
G1R345-BS	74-82-8	Methane	BSP	REC	109	%	73-125
G1R345-BS	74-84-0	Ethane	BSP	REC	112	%	74-131
G1R345-BS	74-85-1	Ethene	BSP	REC	114	%	72-133
G1R345-BSD	74-82-8	Methane	BSD	REC	106	%	73-125
G1R345-BSD	74-82-8	Methane	BSD	RPD	3	%	30
G1R345-BSD	74-84-0	Ethane	BSD	REC	113	%	74-131
G1R345-BSD	74-84-0	Ethane	BSD	RPD	1	%	30
G1R345-BSD	74-85-1	Ethene	BSD	REC	116	%	72-133
G1R345-BSD	74-85-1	Ethene	BSD	RPD	1	%	30
FA98473-11MS*	74-82-8	Methane	MS	REC	-84 [a]	%	73-125
FA98473-11DUP*	74-82-8	Methane	DUP	RPD	1	%	30
FA98473-11DUP*	74-84-0	Ethane	DUP	RPD	200	%	30
FA98473-11DUP*	74-85-1	Ethene	DUP	RPD	33	%	30
G1R346	RSKSOP-147/175						
G1R346-BS	74-82-8	Methane	BSP	REC	91	%	73-125
G1R346-BS	74-84-0	Ethane	BSP	REC	89	%	74-131
G1R346-BS	74-85-1	Ethene	BSP	REC	89	%	72-133
G1R346-BSD	74-82-8	Methane	BSD	REC	88	%	73-125
G1R346-BSD	74-82-8	Methane	BSD	RPD	3	%	30
G1R346-BSD	74-84-0	Ethane	BSD	REC	87	%	74-131
G1R346-BSD	74-84-0	Ethane	BSD	RPD	3	%	30
G1R346-BSD	74-85-1	Ethene	BSD	REC	87	%	72-133
G1R346-BSD	74-85-1	Ethene	BSD	RPD	2	%	30
FA98485-4MS*	74-82-8	Methane	MS	REC	90	%	73-125
FA98485-4MS*	74-84-0	Ethane	MS	REC	94	%	74-131
FA98485-4MS*	74-85-1	Ethene	MS	REC	94	%	72-133
FA98485-9DUP*	74-82-8	Methane	DUP	RPD	4	%	30
FA98485-9DUP*	74-84-0	Ethane	DUP	RPD	0	%	30
FA98485-9DUP*	74-85-1	Ethene	DUP	RPD	0	%	30
GP38012	EPA 300/SW846 9056A						
GP38012-B1	14808-79-8	Sulfate	BSP	REC	100.6	%	87-112
GP38012-S3	14808-79-8	Sulfate	MS	REC	82.2 [b]	%	87-112
GP38012-S4	14808-79-8	Sulfate	MSD	RPD	1.2	%	15
GP38012-S4	14808-79-8	Sulfate	MSD	REC	80.8	%	87-112

* Sample used for QC is not from job FA98468

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98468
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/26/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
GP38013	EPA 300/SW846 9056A						
GP38013-B1	14808-79-8	Sulfate	BSP	REC	99.2	%	87-112
GP38013-S1	14808-79-8	Sulfate	MS	REC	80 [b]	%	87-112
GP38013-S2	14808-79-8	Sulfate	MSD	RPD	.6	%	15
GP38013-S2	14808-79-8	Sulfate	MSD	REC	80.8	%	87-112

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Spike recovery indicates possible matrix interference.

* Sample used for QC is not from job FA98468

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3567-MB	2P92607.D	1	09/01/22	CF	n/a	n/a	V2P3567

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-1

CAS No.	Compound	Result	RL	MDL	Units	Q
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

Method Blank Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2672-MB	Y64458.D	1	09/03/22	AL	n/a	n/a	VY2672

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2672-MB	Y64458.D	1	09/03/22	AL	n/a	n/a	VY2672

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-1

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	83-118%

Method Blank Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2672-MB	Y64458.D	1	09/03/22	AL	n/a	n/a	VY2672

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-1

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	101%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	96%	83-118%

Method Blank Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3568-MB	2P92665.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-2, FA98468-3, FA98468-4, FA98468-5, FA98468-6, FA98468-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	2.4	5.0	2.0	ug/l	J
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3568-MB	2P92665.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-2, FA98468-3, FA98468-4, FA98468-5, FA98468-6, FA98468-7

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3568-MB	2P92665.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-2, FA98468-3, FA98468-4, FA98468-5, FA98468-6, FA98468-7

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	1.04	24	ug/l	JN
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5E1550-MB	5E33997.D	1	09/07/22	CF	n/a	n/a	V5E1550

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-4, FA98468-5, FA98468-7, FA98468-8, FA98468-9, FA98468-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5E1550-MB	5E33997.D	1	09/07/22	CF	n/a	n/a	V5E1550

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-4, FA98468-5, FA98468-7, FA98468-8, FA98468-9, FA98468-10

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5E1550-MB	5E33997.D	1	09/07/22	CF	n/a	n/a	V5E1550

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-4, FA98468-5, FA98468-7, FA98468-8, FA98468-9, FA98468-10

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.57	41	ug/l	JN
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3567-BS	2P92603.D	1	09/01/22	CF	n/a	n/a	V2P3567

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
87-68-3	Hexachlorobutadiene	25	26.3	105	75-142

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2672-BS	Y64455.D	1	09/03/22	AL	n/a	n/a	VY2672

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	141	113	50-147
71-43-2	Benzene	25	25.2	101	81-122
108-86-1	Bromobenzene	25	20.6	82	80-121
74-97-5	Bromochloromethane	25	22.9	92	76-123
75-27-4	Bromodichloromethane	25	26.0	104	79-123
75-25-2	Bromoform	25	22.0	88	66-123
78-93-3	2-Butanone (MEK)	125	132	106	56-143
104-51-8	n-Butylbenzene	25	21.3	85	79-126
135-98-8	sec-Butylbenzene	25	23.5	94	83-133
98-06-6	tert-Butylbenzene	25	22.9	92	80-133
75-15-0	Carbon Disulfide	25	20.8	83	66-148
56-23-5	Carbon Tetrachloride	25	26.7	107	76-136
108-90-7	Chlorobenzene	25	23.2	93	82-124
75-00-3	Chloroethane	25	30.9	124	62-144
67-66-3	Chloroform	25	25.5	102	80-124
95-49-8	o-Chlorotoluene	25	23.5	94	81-127
106-43-4	p-Chlorotoluene	25	23.6	94	83-130
124-48-1	Dibromochloromethane	25	21.9	88	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	22.8	91	64-123
106-93-4	1,2-Dibromoethane	25	22.9	92	75-120
75-71-8	Dichlorodifluoromethane	25	24.7	99	42-167
95-50-1	1,2-Dichlorobenzene	25	22.0	88	82-124
541-73-1	1,3-Dichlorobenzene	25	22.0	88	84-125
106-46-7	1,4-Dichlorobenzene	25	22.3	89	78-120
75-34-3	1,1-Dichloroethane	25	26.9	108	81-122
107-06-2	1,2-Dichloroethane	25	25.0	100	75-125
75-35-4	1,1-Dichloroethylene	25	26.7	107	78-137
156-59-2	cis-1,2-Dichloroethylene	25	25.6	102	78-120
156-60-5	trans-1,2-Dichloroethylene	25	25.6	102	76-127
540-59-0	1,2-Dichloroethene (total)	50	51.2	102	77-122
78-87-5	1,2-Dichloropropane	25	24.5	98	76-124
142-28-9	1,3-Dichloropropane	25	21.8	87	80-118
594-20-7	2,2-Dichloropropane	25	25.9	104	74-139
563-58-6	1,1-Dichloropropene	25	26.8	107	79-131
10061-01-5	cis-1,3-Dichloropropene	25	26.3	105	75-118
10061-02-6	trans-1,3-Dichloropropene	25	26.0	104	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2672-BS	Y64455.D	1	09/03/22	AL	n/a	n/a	VY2672

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	23.4	94	81-121
591-78-6	2-Hexanone	125	140	112	61-129
98-82-8	Isopropylbenzene	25	23.4	94	83-132
99-87-6	p-Isopropyltoluene	25	23.2	93	79-130
74-83-9	Methyl Bromide	25	32.9	132	59-143
74-87-3	Methyl Chloride	25	26.2	105	50-159
74-95-3	Methylene Bromide	25	24.5	98	78-119
75-09-2	Methylene Chloride	25	27.2	109	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	124	99	66-122
1634-04-4	Methyl Tert Butyl Ether	25	29.3	117	72-117
91-20-3	Naphthalene	25	23.4	94	63-132
103-65-1	n-Propylbenzene	25	23.7	95	82-133
100-42-5	Styrene	25	23.6	94	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	23.1	92	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	24.3	97	72-120
127-18-4	Tetrachloroethylene	25	22.5	90	76-135
108-88-3	Toluene	25	23.4	94	80-120
87-61-6	1,2,3-Trichlorobenzene	25	20.0	80	68-131
120-82-1	1,2,4-Trichlorobenzene	25	20.2	81	73-129
71-55-6	1,1,1-Trichloroethane	25	26.3	105	75-130
79-00-5	1,1,2-Trichloroethane	25	24.1	96	76-119
79-01-6	Trichloroethylene	25	26.9	108	81-126
75-69-4	Trichlorofluoromethane	25	27.5	110	71-156
96-18-4	1,2,3-Trichloropropane	25	22.0	88	77-120
95-63-6	1,2,4-Trimethylbenzene	25	23.3	93	79-120
108-67-8	1,3,5-Trimethylbenzene	25	22.4	90	79-120
108-05-4	Vinyl Acetate	125	131	105	43-154
75-01-4	Vinyl Chloride	25	24.8	99	69-159
	m,p-Xylene	50	45.8	92	79-126
95-47-6	o-Xylene	25	24.0	96	80-127
1330-20-7	Xylene (total)	75	69.8	93	80-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2672-BS	Y64455.D	1	09/03/22	AL	n/a	n/a	VY2672

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-1

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	98%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	95%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3568-BS	2P92659.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-2, FA98468-3, FA98468-4, FA98468-5, FA98468-6, FA98468-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	134	107	50-147
71-43-2	Benzene	25	26.3	105	81-122
108-86-1	Bromobenzene	25	23.0	92	80-121
74-97-5	Bromochloromethane	25	25.0	100	76-123
75-27-4	Bromodichloromethane	25	26.1	104	79-123
75-25-2	Bromoform	25	24.3	97	66-123
78-93-3	2-Butanone (MEK)	125	133	106	56-143
104-51-8	n-Butylbenzene	25	23.8	95	79-126
135-98-8	sec-Butylbenzene	25	26.4	106	83-133
98-06-6	tert-Butylbenzene	25	24.4	98	80-133
75-15-0	Carbon Disulfide	25	19.8	79	66-148
56-23-5	Carbon Tetrachloride	25	27.8	111	76-136
108-90-7	Chlorobenzene	25	24.9	100	82-124
75-00-3	Chloroethane	25	26.0	104	62-144
67-66-3	Chloroform	25	26.7	107	80-124
95-49-8	o-Chlorotoluene	25	23.6	94	81-127
106-43-4	p-Chlorotoluene	25	23.8	95	83-130
124-48-1	Dibromochloromethane	25	24.1	96	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	21.5	86	64-123
106-93-4	1,2-Dibromoethane	25	24.7	99	75-120
75-71-8	Dichlorodifluoromethane	25	34.3	137	42-167
95-50-1	1,2-Dichlorobenzene	25	24.2	97	82-124
541-73-1	1,3-Dichlorobenzene	25	24.6	98	84-125
106-46-7	1,4-Dichlorobenzene	25	24.1	96	78-120
75-34-3	1,1-Dichloroethane	25	27.7	111	81-122
107-06-2	1,2-Dichloroethane	25	25.6	102	75-125
75-35-4	1,1-Dichloroethylene	25	26.3	105	78-137
156-59-2	cis-1,2-Dichloroethylene	25	26.4	106	78-120
156-60-5	trans-1,2-Dichloroethylene	25	26.2	105	76-127
540-59-0	1,2-Dichloroethene (total)	50	52.6	105	77-122
78-87-5	1,2-Dichloropropane	25	25.8	103	76-124
142-28-9	1,3-Dichloropropane	25	22.5	90	80-118
594-20-7	2,2-Dichloropropane	25	25.8	103	74-139
563-58-6	1,1-Dichloropropene	25	27.4	110	79-131
10061-01-5	cis-1,3-Dichloropropene	25	26.0	104	75-118
10061-02-6	trans-1,3-Dichloropropene	25	26.0	104	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3568-BS	2P92659.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-2, FA98468-3, FA98468-4, FA98468-5, FA98468-6, FA98468-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	25.0	100	81-121
87-68-3	Hexachlorobutadiene	25	26.5	106	75-142
591-78-6	2-Hexanone	125	120	96	61-129
98-82-8	Isopropylbenzene	25	26.0	104	83-132
99-87-6	p-Isopropyltoluene	25	26.4	106	79-130
74-83-9	Methyl Bromide	25	23.8	95	59-143
74-87-3	Methyl Chloride	25	30.3	121	50-159
74-95-3	Methylene Bromide	25	24.8	99	78-119
75-09-2	Methylene Chloride	25	22.9	92	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	121	97	66-122
1634-04-4	Methyl Tert Butyl Ether	25	30.6	122*	72-117
91-20-3	Naphthalene	25	23.9	96	63-132
103-65-1	n-Propylbenzene	25	24.4	98	82-133
100-42-5	Styrene	25	25.4	102	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	25.1	100	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	23.0	92	72-120
127-18-4	Tetrachloroethylene	25	26.7	107	76-135
108-88-3	Toluene	25	24.4	98	80-120
87-61-6	1,2,3-Trichlorobenzene	25	24.4	98	68-131
120-82-1	1,2,4-Trichlorobenzene	25	23.9	96	73-129
71-55-6	1,1,1-Trichloroethane	25	28.1	112	75-130
79-00-5	1,1,2-Trichloroethane	25	25.0	100	76-119
79-01-6	Trichloroethylene	25	26.5	106	81-126
75-69-4	Trichlorofluoromethane	25	32.9	132	71-156
96-18-4	1,2,3-Trichloropropane	25	22.2	89	77-120
95-63-6	1,2,4-Trimethylbenzene	25	24.2	97	79-120
108-67-8	1,3,5-Trimethylbenzene	25	23.6	94	79-120
108-05-4	Vinyl Acetate	125	137	110	43-154
75-01-4	Vinyl Chloride	25	31.4	126	69-159
	m,p-Xylene	50	49.5	99	79-126
95-47-6	o-Xylene	25	25.3	101	80-127
1330-20-7	Xylene (total)	75	74.8	100	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3568-BS	2P92659.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-2, FA98468-3, FA98468-4, FA98468-5, FA98468-6, FA98468-7

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	79-125%
2037-26-5	Toluene-D8	95%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5E1550-BS	5E33994.D	1	09/07/22	CF	n/a	n/a	V5E1550

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-4, FA98468-5, FA98468-7, FA98468-8, FA98468-9, FA98468-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	100	80	50-147
71-43-2	Benzene	25	24.1	96	81-122
108-86-1	Bromobenzene	25	23.1	92	80-121
74-97-5	Bromochloromethane	25	24.2	97	76-123
75-27-4	Bromodichloromethane	25	24.3	97	79-123
75-25-2	Bromoform	25	24.4	98	66-123
78-93-3	2-Butanone (MEK)	125	100	80	56-143
104-51-8	n-Butylbenzene	25	23.4	94	79-126
135-98-8	sec-Butylbenzene	25	26.4	106	83-133
98-06-6	tert-Butylbenzene	25	24.1	96	80-133
75-15-0	Carbon Disulfide	25	21.8	87	66-148
56-23-5	Carbon Tetrachloride	25	26.9	108	76-136
108-90-7	Chlorobenzene	25	24.2	97	82-124
75-00-3	Chloroethane	25	23.4	94	62-144
67-66-3	Chloroform	25	24.1	96	80-124
95-49-8	o-Chlorotoluene	25	23.1	92	81-127
106-43-4	p-Chlorotoluene	25	23.1	92	83-130
124-48-1	Dibromochloromethane	25	23.1	92	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	19.8	79	64-123
106-93-4	1,2-Dibromoethane	25	23.7	95	75-120
75-71-8	Dichlorodifluoromethane	25	24.4	98	42-167
95-50-1	1,2-Dichlorobenzene	25	24.1	96	82-124
541-73-1	1,3-Dichlorobenzene	25	24.5	98	84-125
106-46-7	1,4-Dichlorobenzene	25	24.5	98	78-120
75-34-3	1,1-Dichloroethane	25	26.1	104	81-122
107-06-2	1,2-Dichloroethane	25	23.5	94	75-125
75-35-4	1,1-Dichloroethylene	25	27.3	109	78-137
156-59-2	cis-1,2-Dichloroethylene	25	25.2	101	78-120
156-60-5	trans-1,2-Dichloroethylene	25	25.0	100	76-127
540-59-0	1,2-Dichloroethene (total)	50	50.2	100	77-122
78-87-5	1,2-Dichloropropane	25	23.2	93	76-124
142-28-9	1,3-Dichloropropane	25	22.4	90	80-118
594-20-7	2,2-Dichloropropane	25	24.3	97	74-139
563-58-6	1,1-Dichloropropene	25	25.5	102	79-131
10061-01-5	cis-1,3-Dichloropropene	25	23.8	95	75-118
10061-02-6	trans-1,3-Dichloropropene	25	26.5	106	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5E1550-BS	5E33994.D	1	09/07/22	CF	n/a	n/a	V5E1550

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-4, FA98468-5, FA98468-7, FA98468-8, FA98468-9, FA98468-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	23.7	95	81-121
87-68-3	Hexachlorobutadiene	25	26.3	105	75-142
591-78-6	2-Hexanone	125	98.8	79	61-129
98-82-8	Isopropylbenzene	25	25.2	101	83-132
99-87-6	p-Isopropyltoluene	25	25.6	102	79-130
74-83-9	Methyl Bromide	25	31.4	126	59-143
74-87-3	Methyl Chloride	25	23.3	93	50-159
74-95-3	Methylene Bromide	25	23.3	93	78-119
75-09-2	Methylene Chloride	25	24.9	100	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	101	81	66-122
1634-04-4	Methyl Tert Butyl Ether	25	27.0	108	72-117
91-20-3	Naphthalene	25	22.1	88	63-132
103-65-1	n-Propylbenzene	25	24.5	98	82-133
100-42-5	Styrene	25	24.4	98	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	24.3	97	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	21.7	87	72-120
127-18-4	Tetrachloroethylene	25	26.4	106	76-135
108-88-3	Toluene	25	24.1	96	80-120
87-61-6	1,2,3-Trichlorobenzene	25	23.8	95	68-131
120-82-1	1,2,4-Trichlorobenzene	25	24.3	97	73-129
71-55-6	1,1,1-Trichloroethane	25	25.9	104	75-130
79-00-5	1,1,2-Trichloroethane	25	23.3	93	76-119
79-01-6	Trichloroethylene	25	24.5	98	81-126
75-69-4	Trichlorofluoromethane	25	26.2	105	71-156
96-18-4	1,2,3-Trichloropropane	25	20.7	83	77-120
95-63-6	1,2,4-Trimethylbenzene	25	24.3	97	79-120
108-67-8	1,3,5-Trimethylbenzene	25	23.7	95	79-120
108-05-4	Vinyl Acetate	125	111	89	43-154
75-01-4	Vinyl Chloride	25	25.1	100	69-159
	m,p-Xylene	50	47.8	96	79-126
95-47-6	o-Xylene	25	24.3	97	80-127
1330-20-7	Xylene (total)	75	72.1	96	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5E1550-BS	5E33994.D	1	09/07/22	CF	n/a	n/a	V5E1550

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-4, FA98468-5, FA98468-7, FA98468-8, FA98468-9, FA98468-10

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98474-2MS	2P92641.D	1	09/01/22	CF	n/a	n/a	V2P3567
FA98474-2MSD	2P92643.D	1	09/02/22	CF	n/a	n/a	V2P3567
FA98474-2	2P92611.D	1	09/01/22	CF	n/a	n/a	V2P3567

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-1

CAS No.	Compound	FA98474-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
87-68-3	Hexachlorobutadiene	2.0 U		25	20.2	81	25	21.7	87	7	75-142/19

CAS No.	Surrogate Recoveries	MS	MSD	FA98474-2	Limits
1868-53-7	Dibromofluoromethane	98%	100%	94%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	98%	99%	79-125%
2037-26-5	Toluene-D8	97%	97%	98%	85-112%
460-00-4	4-Bromofluorobenzene	98%	98%	98%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98458-1MS	Y64479.D	20	09/03/22	AL	n/a	n/a	VY2672
FA98458-1MSD	Y64480.D	20	09/03/22	AL	n/a	n/a	VY2672
FA98458-1	Y64474.D	10	09/03/22	AL	n/a	n/a	VY2672

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-1

CAS No.	Compound	FA98458-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		2500	3020	121	2500	2860	114	5	50-147/21
71-43-2	Benzene	ND		500	553	111	500	551	110	0	81-122/14
108-86-1	Bromobenzene	ND		500	387	77*	500	382	76*	1	80-121/14
74-97-5	Bromochloromethane	ND		500	427	85	500	448	90	5	76-123/14
75-27-4	Bromodichloromethane	ND		500	545	109	500	536	107	2	79-123/19
75-25-2	Bromoform	ND		500	322	64*	500	351	70	9	66-123/21
78-93-3	2-Butanone (MEK)	ND		2500	2840	114	2500	2790	112	2	56-143/18
104-51-8	n-Butylbenzene	ND		500	502	100	500	483	97	4	79-126/16
135-98-8	sec-Butylbenzene	ND		500	559	112	500	541	108	3	83-133/16
98-06-6	tert-Butylbenzene	ND		500	520	104	500	507	101	3	80-133/16
75-15-0	Carbon Disulfide	ND		500	404	81	500	437	87	8	66-148/23
56-23-5	Carbon Tetrachloride	ND		500	489	98	500	503	101	3	76-136/23
108-90-7	Chlorobenzene	ND		500	469	94	500	466	93	1	82-124/14
75-00-3	Chloroethane	ND		500	821	164*	500	789	158*	4	62-144/20
67-66-3	Chloroform	ND		500	539	108	500	550	110	2	80-124/15
95-49-8	o-Chlorotoluene	ND		500	504	101	500	495	99	2	81-127/15
106-43-4	p-Chlorotoluene	ND		500	511	102	500	502	100	2	83-130/15
124-48-1	Dibromochloromethane	ND		500	386	77*	500	399	80	3	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	ND		500	458	92	500	437	87	5	64-123/18
106-93-4	1,2-Dibromoethane	ND		500	433	87	500	450	90	4	75-120/13
75-71-8	Dichlorodifluoromethane	ND		500	529	106	500	571	114	8	42-167/19
95-50-1	1,2-Dichlorobenzene	ND		500	412	82	500	418	84	1	82-124/14
541-73-1	1,3-Dichlorobenzene	ND		500	422	84	500	419	84	1	84-125/14
106-46-7	1,4-Dichlorobenzene	ND		500	413	83	500	418	84	1	78-120/15
75-34-3	1,1-Dichloroethane	ND		500	589	118	500	598	120	2	81-122/15
107-06-2	1,2-Dichloroethane	ND		500	548	110	500	516	103	6	75-125/14
75-35-4	1,1-Dichloroethylene	6.9	J	500	568	112	500	578	114	2	78-137/18
156-59-2	cis-1,2-Dichloroethylene	49.3		500	576	105	500	600	110	4	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		500	551	110	500	570	114	3	76-127/17
540-59-0	1,2-Dichloroethene (total)	49.3		1000	1130	108	1000	1170	112	3	77-122/15
78-87-5	1,2-Dichloropropane	ND		500	555	111	500	541	108	3	76-124/14
142-28-9	1,3-Dichloropropane	ND		500	453	91	500	460	92	2	80-118/13
594-20-7	2,2-Dichloropropane	ND		500	480	96	500	483	97	1	74-139/17
563-58-6	1,1-Dichloropropene	ND		500	560	112	500	557	111	1	79-131/16
10061-01-5	cis-1,3-Dichloropropene	ND		500	532	106	500	530	106	0	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND		500	491	98	500	512	102	4	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98458-1MS	Y64479.D	20	09/03/22	AL	n/a	n/a	VY2672
FA98458-1MSD	Y64480.D	20	09/03/22	AL	n/a	n/a	VY2672
FA98458-1	Y64474.D	10	09/03/22	AL	n/a	n/a	VY2672

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-1

CAS No.	Compound	FA98458-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	ND		500	508	102	500	504	101	1	81-121/14
591-78-6	2-Hexanone	ND		2500	2960	118	2500	2870	115	3	61-129/18
98-82-8	Isopropylbenzene	ND		500	496	99	500	499	100	1	83-132/15
99-87-6	p-Isopropyltoluene	ND		500	517	103	500	509	102	2	79-130/16
74-83-9	Methyl Bromide	ND		500	181	36*	500	283	57*	44*	59-143/19
74-87-3	Methyl Chloride	ND		500	600	120	500	631	126	5	50-159/19
74-95-3	Methylene Bromide	ND		500	499	100	500	515	103	3	78-119/14
75-09-2	Methylene Chloride	24.3	J	500	534	102	500	559	107	5	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2500	2680	107	2500	2600	104	3	66-122/16
1634-04-4	Methyl Tert Butyl Ether	ND		500	603	121*	500	609	122*	1	72-117/14
91-20-3	Naphthalene	ND		500	432	86	500	427	85	1	63-132/25
103-65-1	n-Propylbenzene	ND		500	532	106	500	526	105	1	82-133/15
100-42-5	Styrene	ND		500	472	94	500	492	98	4	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		500	432	86	500	424	85	2	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	529	106	500	505	101	5	72-120/14
127-18-4	Tetrachloroethylene	434		500	764	66*	500	738	61*	3	76-135/16
108-88-3	Toluene	ND		500	488	98	500	484	97	1	80-120/14
87-61-6	1,2,3-Trichlorobenzene	ND		500	367	73	500	366	73	0	68-131/25
120-82-1	1,2,4-Trichlorobenzene	ND		500	353	71*	500	359	72*	2	73-129/20
71-55-6	1,1,1-Trichloroethane	7.3	J	500	536	106	500	545	108	2	75-130/16
79-00-5	1,1,2-Trichloroethane	ND		500	480	96	500	498	100	4	76-119/14
79-01-6	Trichloroethylene	19.6		500	549	106	500	559	108	2	81-126/15
75-69-4	Trichlorofluoromethane	ND		500	626	125	500	628	126	0	71-156/21
96-18-4	1,2,3-Trichloropropane	ND		500	439	88	500	446	89	2	77-120/16
95-63-6	1,2,4-Trimethylbenzene	ND		500	510	102	500	494	99	3	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		500	497	99	500	486	97	2	79-120/19
108-05-4	Vinyl Acetate	ND		2500	3050	122	2500	2930	117	4	43-154/14
75-01-4	Vinyl Chloride	ND		500	540	108	500	577	115	7	69-159/18
	m,p-Xylene	ND		1000	995	100	1000	990	99	1	79-126/15
95-47-6	o-Xylene	ND		500	507	101	500	503	101	1	80-127/14
1330-20-7	Xylene (total)	ND		1500	1500	100	1500	1490	99	1	80-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA98458-1	Limits
1868-53-7	Dibromofluoromethane	95%	99%	94%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98458-1MS	Y64479.D	20	09/03/22	AL	n/a	n/a	VY2672
FA98458-1MSD	Y64480.D	20	09/03/22	AL	n/a	n/a	VY2672
FA98458-1	Y64474.D	10	09/03/22	AL	n/a	n/a	VY2672

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-1

CAS No.	Surrogate Recoveries	MS	MSD	FA98458-1	Limits
17060-07-0	1,2-Dichloroethane-D4	104%	103%	109%	79-125%
2037-26-5	Toluene-D8	96%	96%	101%	85-112%
460-00-4	4-Bromofluorobenzene	88%	88%	93%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98431-6MS	2P92697.D	1	09/06/22	CF	n/a	n/a	V2P3568
FA98431-6MSD	2P92699.D	1	09/06/22	CF	n/a	n/a	V2P3568
FA98431-6	2P92673.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-2, FA98468-3, FA98468-4, FA98468-5, FA98468-6, FA98468-7

CAS No.	Compound	FA98431-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	145	116	125	141	113	3	50-147/21
71-43-2	Benzene	1.0 U		25	29.3	117	25	29.5	118	1	81-122/14
108-86-1	Bromobenzene	1.0 U		25	23.6	94	25	23.4	94	1	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	26.2	105	25	26.3	105	0	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	26.3	105	25	27.2	109	3	79-123/19
75-25-2	Bromoform	1.0 U		25	21.0	84	25	21.1	84	0	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	144	115	125	143	114	1	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	23.1	92	25	23.5	94	2	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	26.8	107	25	26.4	106	2	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	24.9	100	25	24.8	99	0	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	20.1	80	25	21.1	84	5	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	27.8	111	25	29.5	118	6	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	25.7	103	25	25.6	102	0	82-124/14
75-00-3	Chloroethane	2.0 U		25	30.1	120	25	31.1	124	3	62-144/20
67-66-3	Chloroform	1.0 U		25	29.5	118	25	29.3	117	1	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	24.1	96	25	24.4	98	1	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	24.0	96	25	23.9	96	0	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	22.6	90	25	22.5	90	0	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	20.3	81	25	20.5	82	1	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	25.2	101	25	25.3	101	0	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	36.5	146	25	36.2	145	1	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	24.4	98	25	24.2	97	1	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	25.1	100	25	24.8	99	1	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	24.3	97	25	23.8	95	2	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	30.7	123*	25	30.9	124*	1	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	28.6	114	25	28.0	112	2	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	30.4	122	25	31.0	124	2	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.3		25	30.7	118	25	31.0	119	1	78-120/15
156-60-5	trans-1,2-Dichloroethylene	0.44	J	25	29.8	117	25	30.1	119	1	76-127/17
540-59-0	1,2-Dichloroethene (total)	1.7	J	50	60.5	118	50	61.1	119	1	77-122/15
78-87-5	1,2-Dichloropropane	1.0 U		25	27.6	110	25	28.0	112	1	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	23.3	93	25	23.1	92	1	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	20.5	82	25	20.8	83	1	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	29.7	119	25	29.8	119	0	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	24.0	96	25	24.4	98	2	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	24.0	96	25	24.0	96	0	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98431-6MS	2P92697.D	1	09/06/22	CF	n/a	n/a	V2P3568
FA98431-6MSD	2P92699.D	1	09/06/22	CF	n/a	n/a	V2P3568
FA98431-6	2P92673.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-2, FA98468-3, FA98468-4, FA98468-5, FA98468-6, FA98468-7

CAS No.	Compound	FA98431-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	1.0 U		25	26.1	104	25	25.7	103	2	81-121/14
87-68-3	Hexachlorobutadiene	2.0 U		25	25.1	100	25	25.1	100	0	75-142/19
591-78-6	2-Hexanone	10 U		125	123	98	125	121	97	2	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	26.7	107	25	26.7	107	0	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	26.4	106	25	26.4	106	0	79-130/16
74-83-9	Methyl Bromide	5.0 U		25	25.8	103	25	25.1	100	3	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	34.1	136	25	34.2	137	0	50-159/19
74-95-3	Methylene Bromide	2.0 U		25	27.2	109	25	26.9	108	1	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	24.4	98	25	24.5	98	0	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	127	102	125	125	100	2	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	31.0	124*	25	31.7	127*	2	72-117/14
91-20-3	Naphthalene	5.0 U		25	23.3	93	25	23.4	94	0	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	24.7	99	25	24.7	99	0	82-133/15
100-42-5	Styrene	1.0 U		25	26.2	105	25	26.0	104	1	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	24.6	98	25	25.2	101	2	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	24.3	97	25	24.1	96	1	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	26.4	106	25	26.3	105	0	76-135/16
108-88-3	Toluene	1.0 U		25	25.3	101	25	25.5	102	1	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	23.7	95	25	24.1	96	2	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	23.4	94	25	23.7	95	1	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	29.3	117	25	29.7	119	1	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	25.9	104	25	25.2	101	3	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	28.4	114	25	28.1	112	1	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	38.6	154	25	37.7	151	2	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	23.1	92	25	22.1	88	4	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	24.5	98	25	24.6	98	0	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	24.1	96	25	23.9	96	1	79-120/19
108-05-4	Vinyl Acetate	10 U		125	115	92	125	116	93	1	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	35.4	142	25	34.7	139	2	69-159/18
	m,p-Xylene	2.0 U		50	51.4	103	50	51.4	103	0	79-126/15
95-47-6	o-Xylene	1.0 U		25	26.6	106	25	26.8	107	1	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	78.0	104	75	78.2	104	0	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98431-6MS	2P92697.D	1	09/06/22	CF	n/a	n/a	V2P3568
FA98431-6MSD	2P92699.D	1	09/06/22	CF	n/a	n/a	V2P3568
FA98431-6	2P92673.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-2, FA98468-3, FA98468-4, FA98468-5, FA98468-6, FA98468-7

CAS No.	Surrogate Recoveries	MS	MSD	FA98431-6	Limits
1868-53-7	Dibromofluoromethane	101%	102%	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	100%	99%	79-125%
2037-26-5	Toluene-D8	92%	91%	96%	85-112%
460-00-4	4-Bromofluorobenzene	98%	98%	98%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98592-1MS	5E34018.D	10	09/07/22	CF	n/a	n/a	V5E1550
FA98592-1MSD	5E34019.D	10	09/07/22	CF	n/a	n/a	V5E1550
FA98592-1 [a]	5E34006.D	10	09/07/22	CF	n/a	n/a	V5E1550

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-4, FA98468-5, FA98468-7, FA98468-8, FA98468-9, FA98468-10

CAS No.	Compound	FA98592-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	250 U		1250	1050	84	1250	1070	86	2	50-147/21
71-43-2	Benzene	3.5	J	250	248	98	250	244	96	2	81-122/14
108-86-1	Bromobenzene	10 U		250	234	94	250	223	89	5	80-121/14
74-97-5	Bromochloromethane	10 U		250	251	100	250	241	96	4	76-123/14
75-27-4	Bromodichloromethane	10 U		250	247	99	250	243	97	2	79-123/19
75-25-2	Bromoform	10 U		250	234	94	250	232	93	1	66-123/21
78-93-3	2-Butanone (MEK)	50 U		1250	1020	82	1250	1020	82	0	56-143/18
104-51-8	n-Butylbenzene	10 U		250	213	85	250	208	83	2	79-126/16
135-98-8	sec-Butylbenzene	10 U		250	256	102	250	250	100	2	83-133/16
98-06-6	tert-Butylbenzene	10 U		250	233	93	250	228	91	2	80-133/16
75-15-0	Carbon Disulfide	20 U		250	207	83	250	203	81	2	66-148/23
56-23-5	Carbon Tetrachloride	10 U		250	280	112	250	277	111	1	76-136/23
108-90-7	Chlorobenzene	10 U		250	243	97	250	235	94	3	82-124/14
75-00-3	Chloroethane	20 U		250	256	102	250	274	110	7	62-144/20
67-66-3	Chloroform	10 U		250	248	99	250	240	96	3	80-124/15
95-49-8	o-Chlorotoluene	10 U		250	236	94	250	225	90	5	81-127/15
106-43-4	p-Chlorotoluene	10 U		250	235	94	250	225	90	4	83-130/15
124-48-1	Dibromochloromethane	10 U		250	228	91	250	221	88	3	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	50 U		250	188	75	250	189	76	1	64-123/18
106-93-4	1,2-Dibromoethane	20 U		250	237	95	250	228	91	4	75-120/13
75-71-8	Dichlorodifluoromethane	20 U		250	249	100	250	263	105	5	42-167/19
95-50-1	1,2-Dichlorobenzene	10 U		250	240	96	250	232	93	3	82-124/14
541-73-1	1,3-Dichlorobenzene	10 U		250	243	97	250	235	94	3	84-125/14
106-46-7	1,4-Dichlorobenzene	10 U		250	242	97	250	235	94	3	78-120/15
75-34-3	1,1-Dichloroethane	76.3		250	336	104	250	328	101	2	81-122/15
107-06-2	1,2-Dichloroethane	10 U		250	247	99	250	241	96	2	75-125/14
75-35-4	1,1-Dichloroethylene	10 U		250	280	112	250	274	110	2	78-137/18
156-59-2	cis-1,2-Dichloroethylene	881		250	1070	76* [b]	250	1080	80	1	78-120/15
156-60-5	trans-1,2-Dichloroethylene	124		250	364	96	250	362	95	1	76-127/17
540-59-0	1,2-Dichloroethene (total)	1010		500	1430	84	500	1440	86	1	77-122/15
78-87-5	1,2-Dichloropropane	10 U		250	232	93	250	225	90	3	76-124/14
142-28-9	1,3-Dichloropropane	10 U		250	219	88	250	214	86	2	80-118/13
594-20-7	2,2-Dichloropropane	10 U		250	210	84	250	202	81	4	74-139/17
563-58-6	1,1-Dichloropropene	10 U		250	256	102	250	255	102	0	79-131/16
10061-01-5	cis-1,3-Dichloropropene	10 U		250	234	94	250	223	89	5	75-118/23
10061-02-6	trans-1,3-Dichloropropene	10 U		250	243	97	250	241	96	1	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98592-1MS	5E34018.D	10	09/07/22	CF	n/a	n/a	V5E1550
FA98592-1MSD	5E34019.D	10	09/07/22	CF	n/a	n/a	V5E1550
FA98592-1 [a]	5E34006.D	10	09/07/22	CF	n/a	n/a	V5E1550

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-4, FA98468-5, FA98468-7, FA98468-8, FA98468-9, FA98468-10

CAS No.	Compound	FA98592-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	10 U		250	232	93	250	228	91	2	81-121/14
87-68-3	Hexachlorobutadiene	20 U		250	242	97	250	226	90	7	75-142/19
591-78-6	2-Hexanone	100 U		1250	990	79	1250	1010	81	2	61-129/18
98-82-8	Isopropylbenzene	10 U		250	247	99	250	239	96	3	83-132/15
99-87-6	p-Isopropyltoluene	10 U		250	247	99	250	238	95	4	79-130/16
74-83-9	Methyl Bromide	50 U		250	217	87	250	278	111	25*	59-143/19
74-87-3	Methyl Chloride	20 U		250	239	96	250	257	103	7	50-159/19
74-95-3	Methylene Bromide	20 U		250	244	98	250	231	92	5	78-119/14
75-09-2	Methylene Chloride	24.5	J	250	277	101	250	268	97	3	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	50 U		1250	1010	81	1250	1010	81	0	66-122/16
1634-04-4	Methyl Tert Butyl Ether	10 U		250	274	110	250	267	107	3	72-117/14
91-20-3	Naphthalene	50 U		250	217	87	250	214	86	1	63-132/25
103-65-1	n-Propylbenzene	10 U		250	242	97	250	231	92	5	82-133/15
100-42-5	Styrene	10 U		250	239	96	250	234	94	2	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	10 U		250	251	100	250	235	94	7	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	10 U		250	215	86	250	207	83	4	72-120/14
127-18-4	Tetrachloroethylene	10 U		250	287	115	250	277	111	4	76-135/16
108-88-3	Toluene	10 U		250	236	94	250	231	92	2	80-120/14
87-61-6	1,2,3-Trichlorobenzene	20 U		250	236	94	250	228	91	3	68-131/25
120-82-1	1,2,4-Trichlorobenzene	20 U		250	231	92	250	227	91	2	73-129/20
71-55-6	1,1,1-Trichloroethane	10 U		250	269	108	250	262	105	3	75-130/16
79-00-5	1,1,2-Trichloroethane	10 U		250	234	94	250	229	92	2	76-119/14
79-01-6	Trichloroethylene	510		250	712	81	250	714	82	0	81-126/15
75-69-4	Trichlorofluoromethane	20 U		250	275	110	250	298	119	8	71-156/21
96-18-4	1,2,3-Trichloropropane	20 U		250	214	86	250	203	81	5	77-120/16
95-63-6	1,2,4-Trimethylbenzene	10 U		250	242	97	250	233	93	4	79-120/18
108-67-8	1,3,5-Trimethylbenzene	10 U		250	234	94	250	225	90	4	79-120/19
108-05-4	Vinyl Acetate	100 U		1250	1070	86	1250	1070	86	0	43-154/14
75-01-4	Vinyl Chloride	40.7		250	287	99	250	308	107	7	69-159/18
	m,p-Xylene	20 U		500	479	96	500	467	93	3	79-126/15
95-47-6	o-Xylene	10 U		250	242	97	250	235	94	3	80-127/14
1330-20-7	Xylene (total)	30 U		750	721	96	750	702	94	3	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98592-1MS	5E34018.D	10	09/07/22	CF	n/a	n/a	V5E1550
FA98592-1MSD	5E34019.D	10	09/07/22	CF	n/a	n/a	V5E1550
FA98592-1 [a]	5E34006.D	10	09/07/22	CF	n/a	n/a	V5E1550

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98468-4, FA98468-5, FA98468-7, FA98468-8, FA98468-9, FA98468-10

CAS No.	Surrogate Recoveries	MS	MSD	FA98592-1	Limits
1868-53-7	Dibromofluoromethane	101%	102%	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	102%	100%	79-125%
2037-26-5	Toluene-D8	98%	98%	99%	85-112%
460-00-4	4-Bromofluorobenzene	96%	96%	101%	83-118%

(a) Sample was not preserved to a pH < 2.
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-BFB
Lab File ID: 2P92263.D
Instrument ID: GCMS2P
Injection Date: 08/24/22
Injection Time: 09:49

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	60128	18.5		Pass
75	30.0 - 60.0% of mass 95	160765	49.4		Pass
95	Base peak, 100% relative abundance	325269	100.0		Pass
96	5.0 - 9.0% of mass 95	21171	6.51		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 100.0% of mass 95	238912	73.5		Pass
175	5.0 - 9.0% of mass 174	18335	5.64	(7.67) [a]	Pass
176	95.0 - 101.0% of mass 174	231146	71.1	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	15221	4.68	(6.59) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2P3560-IC3560	2P92263.D	08/24/22	09:50	00:01	Initial cal 1
V2P3560-IC3560	2P92265.D	08/24/22	10:22	00:33	Initial cal 2
V2P3560-IC3560	2P92267.D	08/24/22	10:54	01:05	Initial cal 3
V2P3560-IC3560	2P92269.D	08/24/22	11:26	01:37	Initial cal 4
V2P3560-ICC3560	2P92271.D	08/24/22	11:59	02:10	Initial cal 5
V2P3560-IC3560	2P92273.D	08/24/22	12:31	02:42	Initial cal 6
V2P3560-IC3560	2P92275.D	08/24/22	13:04	03:15	Initial cal 7
V2P3560-ICV3560	2P92279.D	08/24/22	14:09	04:20	Initial cal verification 5
V2P3560-CC3560	2P92279A.D	08/24/22	14:09	04:20	Continuing cal 5
V2P3560-ICV3560	2P92281.D	08/24/22	14:41	04:52	Initial cal verification 4
V2P3560-BS	2P92281A.D	08/24/22	14:41	04:52	Blank Spike
V2P3560-MB	2P92285.D	08/24/22	15:44	05:55	Method Blank
ZZZZZZ	2P92289.D	08/24/22	16:49	07:00	(unrelated sample)
ZZZZZZ	2P92293.D	08/24/22	17:52	08:03	(unrelated sample)
ZZZZZZ	2P92299.D	08/24/22	19:28	09:39	(unrelated sample)
FA98254-9	2P92303.D	08/24/22	20:31	10:42	(used for QC only; not part of job FA98468)
ZZZZZZ	2P92305.D	08/24/22	21:03	11:14	(unrelated sample)
FA98254-9MS	2P92307.D	08/24/22	21:35	11:46	Matrix Spike
FA98254-9MSD	2P92309.D	08/24/22	22:07	12:18	Matrix Spike Duplicate
V2P3560-ECC3560	2P92311.D	08/24/22	22:38	12:49	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-BFB
Lab File ID: 2P92601.D
Instrument ID: GCMS2P
Injection Date: 09/01/22
Injection Time: 13:03

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	61400	17.9		Pass
75	30.0 - 60.0% of mass 95	167472	48.7		Pass
95	Base peak, 100% relative abundance	343808	100.0		Pass
96	5.0 - 9.0% of mass 95	22920	6.67		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 100.0% of mass 95	254976	74.2		Pass
175	5.0 - 9.0% of mass 174	19205	5.59	(7.53) [a]	Pass
176	95.0 - 101.0% of mass 174	247082	71.9	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	16144	4.70	(6.53) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2P3567-CC3560	2P92601.D	09/01/22	13:04	00:01	Continuing cal 5
V2P3567-BS	2P92603.D	09/01/22	13:36	00:33	Blank Spike
V2P3567-MB	2P92607.D	09/01/22	14:40	01:37	Method Blank
ZZZZZZ	2P92609.D	09/01/22	15:12	02:09	(unrelated sample)
FA98474-2	2P92611.D	09/01/22	15:45	02:42	(used for QC only; not part of job FA98468)
ZZZZZZ	2P92613.D	09/01/22	16:17	03:14	(unrelated sample)
ZZZZZZ	2P92615.D	09/01/22	16:49	03:46	(unrelated sample)
ZZZZZZ	2P92617.D	09/01/22	17:21	04:18	(unrelated sample)
ZZZZZZ	2P92619.D	09/01/22	17:53	04:50	(unrelated sample)
ZZZZZZ	2P92621.D	09/01/22	18:26	05:23	(unrelated sample)
ZZZZZZ	2P92623.D	09/01/22	18:58	05:55	(unrelated sample)
FA98468-1	2P92625.D	09/01/22	19:30	06:27	LF6MW-12-0822
ZZZZZZ	2P92627.D	09/01/22	20:02	06:59	(unrelated sample)
ZZZZZZ	2P92629.D	09/01/22	20:34	07:31	(unrelated sample)
ZZZZZZ	2P92631.D	09/01/22	21:06	08:03	(unrelated sample)
ZZZZZZ	2P92633.D	09/01/22	21:39	08:36	(unrelated sample)
ZZZZZZ	2P92635.D	09/01/22	22:11	09:08	(unrelated sample)
ZZZZZZ	2P92637.D	09/01/22	22:43	09:40	(unrelated sample)
ZZZZZZ	2P92639.D	09/01/22	23:15	10:12	(unrelated sample)
FA98474-2MS	2P92641.D	09/01/22	23:46	10:43	Matrix Spike
FA98474-2MSD	2P92643.D	09/02/22	00:18	11:15	Matrix Spike Duplicate
V2P3567-ECC3560	2P92645.D	09/02/22	00:50	11:47	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3568-BFB
Lab File ID: 2P92657.D
Instrument ID: GCMS2P
Injection Date: 09/06/22
Injection Time: 11:30

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	63869	18.5		Pass
75	30.0 - 60.0% of mass 95	169002	48.9		Pass
95	Base peak, 100% relative abundance	345770	100.0		Pass
96	5.0 - 9.0% of mass 95	22698	6.56		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 100.0% of mass 95	249920	72.3		Pass
175	5.0 - 9.0% of mass 174	19109	5.53	(7.65) [a]	Pass
176	95.0 - 101.0% of mass 174	242261	70.1	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	15345	4.44	(6.33) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2P3568-CC3560	2P92657.D	09/06/22	11:31	00:01	Continuing cal 5
V2P3568-BS	2P92659.D	09/06/22	12:04	00:34	Blank Spike
V2P3568-MB	2P92665.D	09/06/22	13:41	02:11	Method Blank
ZZZZZZ	2P92667.D	09/06/22	14:14	02:44	(unrelated sample)
ZZZZZZ	2P92669.D	09/06/22	14:46	03:16	(unrelated sample)
ZZZZZZ	2P92671.D	09/06/22	15:18	03:48	(unrelated sample)
FA98431-6	2P92673.D	09/06/22	15:50	04:20	(used for QC only; not part of job FA98468)
FA98468-2	2P92675.D	09/06/22	16:22	04:52	LF6MW-39-0822
FA98468-3	2P92677.D	09/06/22	16:54	05:24	LF6SW-1PM-0822
FA98468-4	2P92679.D	09/06/22	17:26	05:56	LF6VMW-13R-0822
FA98468-5	2P92681.D	09/06/22	17:58	06:28	LF6VMW-13RD-0822
FA98468-6	2P92683.D	09/06/22	18:30	07:00	WL-LF6TW-35-0822
ZZZZZZ	2P92685.D	09/06/22	19:02	07:32	(unrelated sample)
ZZZZZZ	2P92687.D	09/06/22	19:34	08:04	(unrelated sample)
FA98468-7	2P92689.D	09/06/22	20:06	08:36	WL-LF6TW-36-0822
ZZZZZZ	2P92691.D	09/06/22	20:39	09:09	(unrelated sample)
ZZZZZZ	2P92693.D	09/06/22	21:12	09:42	(unrelated sample)
ZZZZZZ	2P92695.D	09/06/22	21:44	10:14	(unrelated sample)
FA98431-6MS	2P92697.D	09/06/22	22:17	10:47	Matrix Spike
FA98431-6MSD	2P92699.D	09/06/22	22:49	11:19	Matrix Spike Duplicate
V2P3568-ECC3560	2P92701.D	09/06/22	23:22	11:52	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1549-BFB
Lab File ID: 5E33981.D
Instrument ID: GCMS5E
Injection Date: 09/06/22
Injection Time: 13:53

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	16810	25.1		Pass
75	30.0 - 60.0% of mass 95	30064	44.8		Pass
95	Base peak, 100% relative abundance	67037	100.0		Pass
96	5.0 - 9.0% of mass 95	4468	6.66		Pass
173	Less than 2.0% of mass 174	431	0.64	(0.74) [a]	Pass
174	50.0 - 100.0% of mass 95	58603	87.4		Pass
175	5.0 - 9.0% of mass 174	4256	6.35	(7.26) [a]	Pass
176	95.0 - 101.0% of mass 174	56984	85.0	(97.2) [a]	Pass
177	5.0 - 9.0% of mass 176	3711	5.54	(6.51) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5E1549-IC1549	5E33982.D	09/06/22	14:17	00:24	Initial cal 1
V5E1549-IC1549	5E33983.D	09/06/22	15:04	01:11	Initial cal 2
V5E1549-IC1549	5E33984.D	09/06/22	15:28	01:35	Initial cal 3
V5E1549-IC1549	5E33985.D	09/06/22	15:52	01:59	Initial cal 4
V5E1549-ICC1549	5E33986.D	09/06/22	16:16	02:23	Initial cal 5
V5E1549-IC1549	5E33987.D	09/06/22	16:40	02:47	Initial cal 6
V5E1549-IC1549	5E33988.D	09/06/22	17:04	03:11	Initial cal 7
V5E1549-ICV1549	5E33990.D	09/06/22	17:52	03:59	Initial cal verification 5
V5E1549-ICV1549	5E33991.D	09/06/22	18:16	04:23	Initial cal verification 4

Instrument Performance Check (BFB)

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1550-BFB
Lab File ID: 5E33993.D
Instrument ID: GCMS5E
Injection Date: 09/07/22
Injection Time: 09:22

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	16844	23.8		Pass
75	30.0 - 60.0% of mass 95	31872	45.1		Pass
95	Base peak, 100% relative abundance	70736	100.0		Pass
96	5.0 - 9.0% of mass 95	4779	6.76		Pass
173	Less than 2.0% of mass 174	523	0.74	(0.84) [a]	Pass
174	50.0 - 100.0% of mass 95	62195	87.9		Pass
175	5.0 - 9.0% of mass 174	4521	6.39	(7.27) [a]	Pass
176	95.0 - 101.0% of mass 174	60365	85.3	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	3900	5.51	(6.46) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5E1550-CC1549	5E33993.D	09/07/22	09:23	00:01	Continuing cal 5
V5E1550-BS	5E33994.D	09/07/22	09:47	00:25	Blank Spike
V5E1550-MB	5E33997.D	09/07/22	10:56	01:34	Method Blank
ZZZZZZ	5E33998.D	09/07/22	11:19	01:57	(unrelated sample)
FA98468-10	5E33999.D	09/07/22	11:43	02:21	LF6-TB01-0822-C
ZZZZZZ	5E34000.D	09/07/22	12:07	02:45	(unrelated sample)
ZZZZZZ	5E34001.D	09/07/22	12:30	03:08	(unrelated sample)
FA98468-4	5E34002.D	09/07/22	12:55	03:33	LF6VMW-13R-0822
FA98468-5	5E34003.D	09/07/22	13:18	03:56	LF6VMW-13RD-0822
FA98468-7	5E34004.D	09/07/22	13:42	04:20	WL-LF6TW-36-0822
FA98592-1	5E34006.D	09/07/22	14:30	05:08	(used for QC only; not part of job FA98468)
ZZZZZZ	5E34008.D	09/07/22	15:17	05:55	(unrelated sample)
ZZZZZZ	5E34010.D	09/07/22	16:04	06:42	(unrelated sample)
ZZZZZZ	5E34012.D	09/07/22	16:51	07:29	(unrelated sample)
ZZZZZZ	5E34013.D	09/07/22	17:14	07:52	(unrelated sample)
ZZZZZZ	5E34014.D	09/07/22	17:37	08:15	(unrelated sample)
ZZZZZZ	5E34015.D	09/07/22	18:00	08:38	(unrelated sample)
FA98468-8	5E34016.D	09/07/22	18:24	09:02	WL-LF6TW-38-0822
FA98468-9	5E34017.D	09/07/22	18:47	09:25	WL-LF6VMW-26-0822
FA98592-1MS	5E34018.D	09/07/22	19:10	09:48	Matrix Spike
FA98592-1MSD	5E34019.D	09/07/22	19:33	10:11	Matrix Spike Duplicate
V5E1550-ECC1549	5E34020.D	09/07/22	19:56	10:34	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-BFB
Lab File ID: Y64310.D
Instrument ID: GCMSY
Injection Date: 08/29/22
Injection Time: 12:11

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	32288	18.6		Pass
75	30.0 - 60.0% of mass 95	83378	48.0		Pass
95	Base peak, 100% relative abundance	173525	100.0		Pass
96	5.0 - 9.0% of mass 95	11168	6.44		Pass
173	Less than 2.0% of mass 174	482	0.28	(0.36) [a]	Pass
174	50.0 - 100.0% of mass 95	133221	76.8		Pass
175	5.0 - 9.0% of mass 174	9708	5.59	(7.29) [a]	Pass
176	95.0 - 101.0% of mass 174	130461	75.2	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	7943	4.58	(6.09) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY2666-IC2666	Y64311.D	08/29/22	13:05	00:54	Initial cal 1
VY2666-IC2666	Y64312.D	08/29/22	13:29	01:18	Initial cal 2
VY2666-IC2666	Y64313.D	08/29/22	13:54	01:43	Initial cal 3
VY2666-IC2666	Y64314.D	08/29/22	14:19	02:08	Initial cal 4
VY2666-ICC2666	Y64315.D	08/29/22	14:44	02:33	Initial cal 5
VY2666-IC2666	Y64316.D	08/29/22	15:09	02:58	Initial cal 6
VY2666-IC2666	Y64317.D	08/29/22	15:33	03:22	Initial cal 7

Instrument Performance Check (BFB)

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2667-BFB
Lab File ID: Y64321.D
Instrument ID: GCMSY
Injection Date: 08/30/22
Injection Time: 10:47

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	25536	18.4		Pass
75	30.0 - 60.0% of mass 95	67536	48.6		Pass
95	Base peak, 100% relative abundance	138954	100.0		Pass
96	5.0 - 9.0% of mass 95	9434	6.79		Pass
173	Less than 2.0% of mass 174	622	0.45	(0.58) [a]	Pass
174	50.0 - 100.0% of mass 95	106418	76.6		Pass
175	5.0 - 9.0% of mass 174	7583	5.46	(7.13) [a]	Pass
176	95.0 - 101.0% of mass 174	101480	73.0	(95.4) [a]	Pass
177	5.0 - 9.0% of mass 176	6567	4.73	(6.47) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY2667-CC2666	Y64322.D	08/30/22	11:12	00:25	Continuing cal 5
VY2666-ICV2666	Y64323.D	08/30/22	11:36	00:49	Initial cal verification 5
VY2667-BS	Y64324A.D	08/30/22	12:01	01:14	Blank Spike
VY2666-ICV2666	Y64324.D	08/30/22	12:01	01:14	Initial cal verification 4
VY2667-MB	Y64327.D	08/30/22	13:15	02:28	Method Blank
ZZZZZZ	Y64328.D	08/30/22	13:39	02:52	(unrelated sample)
ZZZZZZ	Y64329.D	08/30/22	14:04	03:17	(unrelated sample)
ZZZZZZ	Y64330.D	08/30/22	14:29	03:42	(unrelated sample)
ZZZZZZ	Y64331.D	08/30/22	14:54	04:07	(unrelated sample)
ZZZZZZ	Y64332.D	08/30/22	15:21	04:34	(unrelated sample)
ZZZZZZ	Y64333.D	08/30/22	15:46	04:59	(unrelated sample)
ZZZZZZ	Y64334.D	08/30/22	16:11	05:24	(unrelated sample)
ZZZZZZ	Y64335.D	08/30/22	16:36	05:49	(unrelated sample)
ZZZZZZ	Y64336.D	08/30/22	17:02	06:15	(unrelated sample)
ZZZZZZ	Y64337.D	08/30/22	17:28	06:41	(unrelated sample)
ZZZZZZ	Y64338.D	08/30/22	17:53	07:06	(unrelated sample)
ZZZZZZ	Y64339.D	08/30/22	18:19	07:32	(unrelated sample)
ZZZZZZ	Y64340.D	08/30/22	18:44	07:57	(unrelated sample)
ZZZZZZ	Y64341.D	08/30/22	19:09	08:22	(unrelated sample)
ZZZZZZ	Y64342.D	08/30/22	19:34	08:47	(unrelated sample)
FA98360-2	Y64344.D	08/30/22	20:24	09:37	(used for QC only; not part of job FA98468)
FA98360-2MS	Y64345.D	08/30/22	20:49	10:02	Matrix Spike
FA98360-2MSD	Y64346.D	08/30/22	21:14	10:27	Matrix Spike Duplicate
VY2667-ECC2666	Y64347.D	08/30/22	21:39	10:52	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2672-BFB
Lab File ID: Y64453.D
Instrument ID: GCMSY
Injection Date: 09/03/22
Injection Time: 10:04

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	28760	18.7		Pass
75	30.0 - 60.0% of mass 95	74152	48.2		Pass
95	Base peak, 100% relative abundance	153813	100.0		Pass
96	5.0 - 9.0% of mass 95	10712	6.96		Pass
173	Less than 2.0% of mass 174	401	0.26	(0.38) [a]	Pass
174	50.0 - 100.0% of mass 95	105275	68.4		Pass
175	5.0 - 9.0% of mass 174	7304	4.75	(6.94) [a]	Pass
176	95.0 - 101.0% of mass 174	100395	65.3	(95.4) [a]	Pass
177	5.0 - 9.0% of mass 176	6112	3.97	(6.09) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY2672-CC2666	Y64454.D	09/03/22	10:28	00:24	Continuing cal 5
VY2672-BS	Y64455.D	09/03/22	10:53	00:49	Blank Spike
VY2672-MB	Y64458.D	09/03/22	12:06	02:02	Method Blank
ZZZZZZ	Y64459.D	09/03/22	12:30	02:26	(unrelated sample)
ZZZZZZ	Y64460.D	09/03/22	12:55	02:51	(unrelated sample)
ZZZZZZ	Y64461.D	09/03/22	13:20	03:16	(unrelated sample)
ZZZZZZ	Y64462.D	09/03/22	13:44	03:40	(unrelated sample)
ZZZZZZ	Y64463.D	09/03/22	14:09	04:05	(unrelated sample)
ZZZZZZ	Y64464.D	09/03/22	14:33	04:29	(unrelated sample)
ZZZZZZ	Y64465.D	09/03/22	14:58	04:54	(unrelated sample)
ZZZZZZ	Y64466.D	09/03/22	15:22	05:18	(unrelated sample)
ZZZZZZ	Y64467.D	09/03/22	15:47	05:43	(unrelated sample)
ZZZZZZ	Y64468.D	09/03/22	16:12	06:08	(unrelated sample)
ZZZZZZ	Y64469.D	09/03/22	16:37	06:33	(unrelated sample)
ZZZZZZ	Y64470.D	09/03/22	17:01	06:57	(unrelated sample)
ZZZZZZ	Y64471.D	09/03/22	17:26	07:22	(unrelated sample)
ZZZZZZ	Y64472.D	09/03/22	17:51	07:47	(unrelated sample)
ZZZZZZ	Y64473.D	09/03/22	18:16	08:12	(unrelated sample)
FA98458-1	Y64474.D	09/03/22	18:41	08:37	(used for QC only; not part of job FA98468)
FA98468-1	Y64475.D	09/03/22	19:05	09:01	LF6MW-12-0822
ZZZZZZ	Y64476.D	09/03/22	19:30	09:26	(unrelated sample)
ZZZZZZ	Y64477.D	09/03/22	19:55	09:51	(unrelated sample)
FA98458-1MS	Y64479.D	09/03/22	20:44	10:40	Matrix Spike
FA98458-1MSD	Y64480.D	09/03/22	21:09	11:05	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample:	VY2672-BFB	**Injection Date:**	09/03/22
Lab File ID:	Y64453.D	**Injection Time:**	10:04
Instrument ID:	GCMSY		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY2672-ECC2666	Y64481.D	09/03/22	21:33	11:29	Ending cal 5

Internal Standard Area Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V2P3567-CC3560	**Injection Date:**	09/01/22
Lab File ID:	2P92601.D	**Injection Time:**	13:04
Instrument ID:	GCMS2P	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	1362226	3.72	951717	5.64	439370	7.33
Check Std [b]	1241494	3.72	926048	5.64	436690	7.33
Upper Limit [c]	2482988	3.89	1852096	5.81	873380	7.50
Lower Limit [d]	620747	3.55	463024	5.47	218345	7.16

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2P3567-BS	1238897	3.72	914632	5.64	434633	7.33
FA98468-1	1122654	3.72	799760	5.64	366314	7.33

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: V2P3560-ICC3560 2P92271.D 08/24/22 11:59
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V2P3568-CC3560	**Injection Date:**	09/06/22
Lab File ID:	2P92657.D	**Injection Time:**	11:31
Instrument ID:	GCMS2P	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	1362226	3.72	951717	5.64	439370	7.33
Check Std [b]	1185534	3.72	897620	5.64	432831	7.33
Upper Limit [c]	2371068	3.89	1795240	5.81	865662	7.50
Lower Limit [d]	592767	3.55	448810	5.47	216416	7.16

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2P3568-BS	1192733	3.72	906527	5.64	436090	7.33
V2P3568-MB	1091554	3.72	804032	5.64	379797	7.33
ZZZZZZ	1075754	3.73	798434	5.64	380022	7.33
ZZZZZZ	1058548	3.72	785581	5.64	372895	7.33
ZZZZZZ	1059621	3.72	785366	5.64	376306	7.33
FA98431-6	1040171	3.72	772796	5.64	362466	7.33
FA98468-2	1057309	3.72	787217	5.64	375033	7.33
FA98468-3	1055415	3.72	788432	5.64	371543	7.33
FA98468-4 [e]	1081832	3.72	793144	5.64	376934	7.34
FA98468-5	1060098	3.72	781766	5.64	373013	7.33
FA98468-6	1061756	3.72	795698	5.64	380047	7.33
ZZZZZZ	1051604	3.72	802642	5.64	396943	7.33
ZZZZZZ	1096942	3.72	847294	5.64	419881	7.33
FA98468-7 [e]	1063629	3.72	818535	5.64	388119	7.33
ZZZZZZ	1062079	3.72	806067	5.64	390026	7.33
ZZZZZZ	1042863	3.73	791198	5.64	381763	7.33
ZZZZZZ	1047014	3.72	803061	5.65	384250	7.33
FA98431-6MS	1062392	3.72	844923	5.64	407740	7.33
FA98431-6MSD	1091701	3.72	868837	5.64	420430	7.33
V2P3568-ECC3560	1158151	3.72	926208	5.64	451879	7.33

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: V2P3560-ICC3560 2P92271.D 08/24/22 11:59
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) Sample vial(s) contained bubbles greater than 6mm.

Internal Standard Area Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V5E1550-CC1549	**Injection Date:**	09/07/22
Lab File ID:	5E33993.D	**Injection Time:**	09:23
Instrument ID:	GCMS5E	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	336048	8.95	248956	12.12	123418	14.47
Check Std [b]	364858	8.95	268519	12.12	130812	14.47
Upper Limit [c]	729716	9.12	537038	12.29	261624	14.64
Lower Limit [d]	182429	8.78	134260	11.95	65406	14.30

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5E1550-BS	367181	8.95	270451	12.12	134910	14.47
V5E1550-MB	312794	8.95	235431	12.12	111982	14.47
ZZZZZZ	314341	8.95	234280	12.12	109260	14.47
ZZZZZZ	330291	8.96	250562	12.11	118999	14.47
ZZZZZZ	332297	8.95	255866	12.12	122823	14.47
FA98592-1	299671	8.95	225200	12.12	105729	14.47
ZZZZZZ	295521	8.95	221473	12.12	105366	14.47
ZZZZZZ	293542	8.95	221876	12.12	107413	14.47

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: V5E1549-ICC1549 5E33986.D 09/06/22 16:16
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	VY2672-CC2666	**Injection Date:**	09/03/22
Lab File ID:	Y64454.D	**Injection Time:**	10:28
Instrument ID:	GCMSY	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	767973	9.50	617075	12.15	336296	13.77
Check Std [b]	593514	9.50	540662	12.15	277660	13.77
Upper Limit [c]	1187028	9.67	1081324	12.32	555320	13.94
Lower Limit [d]	296757	9.33	270331	11.98	138830	13.60

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VY2672-BS	628713	9.50	556556	12.15	285059	13.77
VY2672-MB	535524	9.50	459892	12.15	216194	13.77
ZZZZZZ	517953	9.50	455877	12.15	203909	13.77
ZZZZZZ	516324	9.50	438070	12.15	201281	13.77
ZZZZZZ	496294	9.50	433020	12.15	191447	13.77
ZZZZZZ	492835	9.50	424038	12.15	190725	13.77
ZZZZZZ	479872	9.50	413265	12.15	183736	13.77
ZZZZZZ	467585	9.50	400288	12.15	177062	13.77
ZZZZZZ	461874	9.50	400596	12.15	175036	13.77
ZZZZZZ	456388	9.50	400629	12.15	178172	13.77
ZZZZZZ	452299	9.50	388460	12.15	173578	13.77
ZZZZZZ	448269	9.50	387833	12.15	175828	13.77
ZZZZZZ	443362	9.50	379542	12.15	173410	13.77
ZZZZZZ	445503	9.50	384254	12.15	174876	13.77
ZZZZZZ	449429	9.50	387197	12.15	177600	13.77
ZZZZZZ	448776	9.50	383441	12.15	178778	13.77
ZZZZZZ	439661	9.50	381290	12.15	174744	13.77
FA98458-1	445423	9.50	382367	12.15	173439	13.77
FA98468-1	434797	9.50	365098	12.15	165331	13.77
ZZZZZZ	423395	9.50	361299	12.15	165471	13.77
ZZZZZZ	421480	9.50	354669	12.15	158059	13.77
FA98458-1MS	474564	9.50	432605	12.15	215048	13.77
FA98458-1MSD	512345	9.50	463389	12.15	235736	13.77
VY2672-ECC2666	547950	9.50	509611	12.15	259278	13.77

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: VY2666-ICC2666 Y64315.D 08/29/22 14:44
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
FA98468-1	Y64475.D	92	110	102	94
FA98468-1	2P92625.D	95	99	98	99
FA98468-2	2P92675.D	98	102	95	97
FA98468-3	2P92677.D	96	100	97	99
FA98468-4	5E34002.D	100	97	100	103
FA98468-4	2P92679.D	94	99	96	98
FA98468-5	5E34003.D	102	100	100	100
FA98468-5	2P92681.D	94	99	96	98
FA98468-6	2P92683.D	94	102	95	97
FA98468-7	5E34004.D	101	101	99	99
FA98468-7	2P92689.D	94	101	94	97
FA98468-8	5E34016.D	97	97	100	99
FA98468-9	5E34017.D	100	101	98	100
FA98468-10	5E33999.D	101	99	100	102
FA98431-6MS	2P92697.D	101	100	92	98
FA98431-6MSD	2P92699.D	102	100	91	98
FA98458-1MS	Y64479.D	95	104	96	88
FA98458-1MSD	Y64480.D	99	103	96	88
FA98474-2MS	2P92641.D	98	100	97	98
FA98474-2MSD	2P92643.D	100	98	97	98
FA98592-1MS	5E34018.D	101	102	98	96
FA98592-1MSD	5E34019.D	102	102	98	96
V2P3567-BS	2P92603.D	101	102	97	98
V2P3567-MB	2P92607.D	95	102	99	97
V2P3568-BS	2P92659.D	104	102	95	98
V2P3568-MB	2P92665.D	96	97	96	98
V5E1550-BS	5E33994.D	103	101	101	98
V5E1550-MB	5E33997.D	102	100	100	100
VY2672-BS	Y64455.D	99	98	97	95
VY2672-MB	Y64458.D	94	101	101	96

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Initial Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICC3560
Lab FileID: 2P92271.D

Response Factor Report MSVOA13

Method : C:\msdchem\1\MET...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration

Calibration Files
1 =2P92263.D 2 =2P92265.D 3 =2P92267.D 4 =2P92269.D
5 =2P92271.D 6 =2P92273.D 7 =2P92275.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	----------ISTD----------								
2) Dichlorodifluorom	0.137	0.141	0.121	0.116	0.147	0.141	0.139	0.135	8.40
3)P Chloromethane	0.143	0.159	0.148	0.141	0.152	0.164	0.160	0.153	5.77
4) 1,3-butadiene	0.137	0.161	0.115	0.132	0.145	0.155	0.148	0.142	10.93
5)C Vinyl Chloride	0.168	0.189	0.176	0.174	0.194	0.201	0.200	0.186	7.09
6) Bromomethane	0.128	0.131	0.120	0.111	0.109	0.106	0.100	0.115	10.11
7) Chloroethane	0.096	0.089	0.066	0.056	0.056	0.057	0.054	0.068	25.99
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9946									
Response Ratio = 0.00000 + 0.06373 *A + -0.00506 *A^2									
8) Trichlorofluorome	0.170	0.233	0.210	0.188	0.212	0.145	0.100	0.180	25.44
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9923									
Response Ratio = 0.00000 + 0.24268 *A + -0.06989 *A^2									
9) Ethyl Ether	0.157	0.193	0.164	0.164	0.176	0.195	0.168	0.174	8.47
10) Ethanol	0.006	0.006	0.004	0.005	0.005	0.005	0.004	0.005	14.87
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9962									
Response Ratio = 0.00000 + 0.00560 *A + -0.00004 *A^2									
11) 1,2-Dichlorotrifl	0.137	0.175	0.142	0.155	0.170	0.179	0.181	0.163	11.20
12)C 1,1-Dichloroethen	0.192	0.254	0.203	0.229	0.249	0.267	0.270	0.238	12.96
13) Freon 113	0.110	0.157	0.121	0.137	0.163	0.166	0.168	0.146	16.08
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9973									
Response Ratio = 0.00000 + 0.13945 *A + 0.01587 *A^2									
14) Carbon Disulfide	0.327	0.367	0.315	0.369	0.424	0.472	0.493	0.395	17.55
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9986									
Response Ratio = 0.00000 + 0.34698 *A + 0.07745 *A^2									
15) Iodomethane	0.063	0.060	0.067	0.094	0.117	0.129	0.125	0.094	32.53
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9924									
Response Ratio = 0.00000 + 0.08797 *A + 0.02186 *A^2									
16) Acrolein	0.053	0.068	0.057	0.064	0.065	0.070	0.068	0.064	9.99
17) Allyl chloride	0.149	0.177	0.132	0.164	0.180	0.194	0.201	0.171	14.31
18) Methylene Chlorid	0.881	0.353	0.258	0.232	0.228	0.237	0.220	0.344	69.96
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9913									
Response Ratio = 0.00000 + 0.27200 *A + -0.02738 *A^2									
19) Acetone	0.178	0.129	0.107	0.114	0.110	0.115	0.108	0.123	20.64
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9985									
Response Ratio = 0.00000 + 0.11705 *A + -0.00078 *A^2									
20) Methyl acetate	0.197	0.245	0.220	0.234	0.238	0.253	0.241	0.233	7.97
21) trans-1,2-Dichlor	0.190	0.260	0.218	0.233	0.245	0.268	0.271	0.241	12.22
22) Hexane	0.097	0.115	0.088	0.105	0.130	0.140	0.144	0.117	18.42

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            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9969
              Response Ratio = 0.00000 + 0.10376 *A + 0.02196 *A^2

23)  Methyl Tert Butyl 0.444 0.567 0.504 0.541 0.565 0.616 0.604 0.549  10.83
24)  Tert Butyl Alcoho 0.060 0.071 0.062 0.071 0.070 0.073 0.068 0.068   7.11
25)  Acetonitrile      0.040 0.046 0.034 0.037 0.035             0.038  12.26
26)  Di-isopropyl ethe 0.417 0.549 0.470 0.487 0.520 0.568 0.557 0.510  10.73
27)  Chloroprene       0.771 0.769 0.633 0.702 0.715 0.754 0.736 0.726   6.66
28)P 1,1-Dichloroethan 0.267 0.334 0.287 0.307 0.325 0.349 0.346 0.317   9.74
29)  Acrylonitrile     0.125 0.122 0.101 0.111 0.112 0.117 0.115 0.115   6.99
30)  ETBE              0.468 0.624 0.553 0.584 0.618 0.672 0.661 0.597  11.73
31)  Vinyl acetate     0.382 0.422 0.356 0.398 0.424 0.450 0.442 0.411   8.19
32)  cis-1,2-Dichloroe 0.161 0.208 0.173 0.181 0.192 0.204 0.203 0.189   9.36
33)  2,2-Dichloropropa 0.171 0.240 0.207 0.233 0.259 0.288 0.295 0.242  18.13
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
              Response Ratio = 0.00000 + 0.22221 *A + 0.03923 *A^2

34)  Bromochloromethan 0.078 0.093 0.083 0.082 0.085 0.090 0.087 0.085   5.86
35)  Cyclohexane       0.221 0.301 0.250 0.275 0.316 0.332 0.346 0.292  15.50
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
              Response Ratio = 0.00000 + 0.27060 *A + 0.03946 *A^2

36)C Chloroform        0.239 0.346 0.294 0.307 0.330 0.355 0.353 0.318  13.15
37)  Ethyl acetate     0.307 0.327 0.275 0.303 0.310 0.331 0.321 0.311   6.06
38)  Tetrahydrofuran   0.116 0.130 0.106 0.115 0.117 0.124 0.120 0.119   6.36
39)S Dibromofluorometh 0.201 0.209 0.212 0.215 0.215 0.216 0.219 0.213   2.70
40)  Carbon Tetrachlor 0.133 0.201 0.158 0.188 0.208 0.224 0.238 0.193  18.93
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9989
              Response Ratio = 0.00000 + 0.17573 *A + 0.03201 *A^2

41)  1,1,1-Trichloroet 0.202 0.274 0.230 0.263 0.285 0.306 0.312 0.268  14.81
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9990
              Response Ratio = 0.00000 + 0.25339 *A + 0.03146 *A^2

42)  2-Butanone        0.303 0.223 0.179 0.193 0.185 0.197 0.189 0.210  20.66
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9985
              Response Ratio = 0.00000 + 0.19499 *A + -0.00048 *A^2

43)  1,1-Dichloroprope 0.191 0.253 0.212 0.232 0.249 0.263 0.268 0.238  11.76
44)  tert-Butyl format 0.089 0.119 0.106 0.125 0.145 0.166 0.170 0.132  23.11
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9979
              Response Ratio = 0.00000 + 0.11733 *A + 0.00574 *A^2

45)  Propionitrile     0.054 0.070 0.053 0.062 0.061 0.064 0.064 0.061   9.67
46)  Methacrylonitrile 0.136 0.182 0.141 0.164 0.168 0.178 0.172 0.163  11.02
47)  Benzene           0.645 0.813 0.706 0.727 0.769 0.835 0.832 0.761   9.43
48)  TAME              0.409 0.561 0.496 0.534 0.565 0.623 0.611 0.543  13.50
49)S 1,2-Dichloroethan 0.293 0.293 0.297 0.297 0.304 0.290 0.293 0.295   1.53
50)  Isobutyl alcohol  0.025 0.034 0.029 0.034 0.034 0.033 0.031 0.031  10.88
51)  1,2-Dichloroethan 0.241 0.289 0.254 0.262 0.277 0.294 0.288 0.272   7.42
52)  Tert Amyl Alcohol 0.038 0.054 0.050 0.057 0.058 0.062 0.059 0.054  15.10
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9982
              Response Ratio = 0.00000 + 0.05596 *A + 0.00021 *A^2

53)  Trichloroethene   0.191 0.207 0.173 0.183 0.194 0.210 0.212 0.196   7.52
54)  Methylcyclohexane 0.192 0.262 0.213 0.237 0.283 0.299 0.314 0.257  17.68
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
              Response Ratio = 0.00000 + 0.23271 *A + 0.04298 *A^2

55)  Dibromomethane    0.093 0.111 0.097 0.105 0.111 0.120 0.118 0.108   9.54
```

Initial Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICC3560
Lab FileID: 2P92271.D

```
56)C 1,2-Dichloropropa 0.144 0.197 0.170 0.182 0.190 0.206 0.205 0.185  11.88
57)  Bromodichlorometh 0.124 0.182 0.162 0.188 0.212 0.241 0.244 0.193  22.37
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9982
              Response Ratio = 0.00000 + 0.17720 *A + 0.03671 *A^2

58)  Methyl methacryla 0.163 0.200 0.161 0.206 0.216 0.236 0.239 0.203  15.49
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
              Response Ratio = 0.00000 + 0.19091 *A + 0.02627 *A^2

59)  1,4-Dioxane       0.005 0.006 0.006 0.006 0.006 0.006 0.005 0.006   7.44
60)  2-Chloroethyl vin 0.118 0.161 0.137 0.150 0.162 0.175 0.174 0.154  13.44
61)  cis-1,3-Dichlorop 0.159 0.225 0.211 0.247 0.274 0.312 0.309 0.248  22.33
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9977
              Response Ratio = 0.00000 + 0.23328 *A + 0.04258 *A^2


62) I   Chlorobenzene-d5      ----------------ISTD--------------------
63)S Toluene-d8        1.388 1.371 1.377 1.380 1.387 1.353 1.375 1.376   0.85
64)C Toluene           1.076 1.275 1.089 1.120 1.182 1.261 1.260 1.180   7.32
65)  2-Nitropropane    0.046 0.064 0.061 0.087 0.103 0.122 0.122 0.086  35.24
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9947
              Response Ratio = 0.00000 + 0.07723 *A + 0.00500 *A^2

66)  4-Methyl-2-pentan 0.473 0.484 0.404 0.446 0.452 0.475 0.454 0.455   5.83
67)  trans-1,3-Dichlor 0.213 0.292 0.285 0.322 0.362 0.397 0.393 0.323  20.59
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
              Response Ratio = 0.00000 + 0.31086 *A + 0.04684 *A^2

68)  Tetrachloroethene 0.227 0.268 0.224 0.243 0.256 0.269 0.267 0.251   7.77
69)  Ethyl methacrylat 0.256 0.421 0.336 0.406 0.440 0.472 0.473 0.400  19.69
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
              Response Ratio = 0.00000 + 0.38873 *A + 0.04695 *A^2

70)  1,1,2-Trichloroet 0.170 0.218 0.188 0.197 0.207 0.221 0.213 0.202   9.01
71)  Dibromochlorometh 0.114 0.175 0.163 0.199 0.224 0.254 0.254 0.198  26.01
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9976
              Response Ratio = 0.00000 + 0.18521 *A + 0.03845 *A^2

72)  1,3-Dichloropropa 0.406 0.488 0.409 0.428 0.454 0.484 0.473 0.449   7.77
73)  1,2-Dibromoethane 0.188 0.254 0.225 0.239 0.255 0.279 0.269 0.244  12.48
74)  3,3-dimethyl-1-bu 0.063 0.096 0.085 0.102 0.105 0.108 0.100 0.094  16.53
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9976
              Response Ratio = 0.00000 + 0.10092 *A + 0.00002 *A^2

75)  2-hexanone        0.517 0.546 0.461 0.527 0.522 0.526 0.480 0.511   5.77
76)  1-Chlorohexane    0.376 0.395 0.320 0.342 0.379 0.410 0.414 0.376   9.19
77)C Ethylbenzene      1.129 1.390 1.181 1.236 1.322 1.402 1.402 1.295   8.73
78)P Chlorobenzene     0.634 0.766 0.642 0.676 0.709 0.763 0.757 0.707   8.13
79)  1,1,1,2-Tetrachlo 0.145 0.213 0.190 0.209 0.232 0.257 0.254 0.214  18.21
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9982
              Response Ratio = 0.00000 + 0.20474 *A + 0.02784 *A^2

80)  m,p-Xylene        0.861 1.084 0.932 0.982 1.054 1.129 1.125 1.024   9.98
81)  o-Xylene          0.808 1.063 0.937 0.977 1.039 1.118 1.111 1.008  10.91
82)  Styrene           0.585 0.768 0.681 0.758 0.822 0.902 0.880 0.771  14.44
83)P Bromoform         0.052 0.088 0.082 0.107 0.122 0.147 0.147 0.106  32.85
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9964
              Response Ratio = 0.00000 + 0.09538 *A + 0.02857 *A^2

84)  Isopropylbenzene  0.935 1.217 1.033 1.121 1.221 1.304 1.308 1.163  12.06
```

Initial Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICC3560
Lab FileID: 2P92271.D

```
 85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
 86)S 4-Bromofluorobenz 0.776 0.769 0.776 0.789 0.773 0.782 0.795 0.780   1.16
 87)  cis-1,4-Dichloro- 0.220 0.273 0.218 0.273 0.296 0.342 0.354 0.282  18.95
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
               Response Ratio = 0.00000 + 0.24838 *A + 0.05642 *A^2

 88)  n-Propylbenzene   2.531 3.209 2.723 2.939 3.141 3.434 3.496 3.068  11.65
 89)  Bromobenzene      0.512 0.677 0.572 0.600 0.626 0.681 0.673 0.620  10.25
 90)P 1,1,2,2-Tetrachlo 0.676 0.857 0.776 0.831 0.849 0.911 0.894 0.828   9.63
 91)  1,3,5-Trimethylbe 1.672 2.276 1.931 2.038 2.194 2.397 2.444 2.136  12.87
 92)  2-Chlorotoluene   1.522 1.982 1.680 1.781 1.878 2.045 2.073 1.851  10.97
 93)  trans-1,4-Dichlor 0.289 0.347 0.305 0.350 0.372 0.415 0.404 0.355  13.28
 94)  1,2,3-Trichloropr 0.270 0.314 0.297 0.307 0.312 0.336 0.324 0.309   6.86
 95)  Cyclohexanone     0.063 0.066 0.058 0.070 0.066 0.067 0.063 0.065   5.54
 96)  4-Chlorotoluene   1.667 2.091 1.747 1.892 1.946 2.149 2.168 1.951  10.06
 97)  tert-Butylbenzene 0.902 1.217 1.062 1.131 1.202 1.330 1.366 1.173  13.57
 98)  a-Methyl styrene                                           0.000  -1.00
 99)  1,2,4-Trimethylbe 1.708 2.152 1.861 2.027 2.130 2.343 2.361 2.083  11.50
100)  Pentachloroethane 0.153 0.233 0.186 0.259 0.278 0.317 0.330 0.251  25.97
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9980
               Response Ratio = 0.00000 + 0.22648 *A + 0.05530 *A^2

101)  sec-Butylbenzene  1.827 2.387 1.980 2.165 2.359 2.562 2.619 2.271  12.97
102)  4-Isopropyltoluen 1.433 2.038 1.766 1.928 2.085 2.279 2.346 1.982  15.76
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9993
               Response Ratio = 0.00000 + 1.85030 *A + 0.26250 *A^2

103)  1,3-Dichlorobenze 0.972 1.198 1.019 1.072 1.110 1.222 1.205 1.114   8.81
104)  1,2,3-Trimethylbe 1.688 2.233 1.913 2.008 2.125 2.322 2.339 2.090  11.34
105)  1,4-Dichlorobenze 1.025 1.297 1.067 1.109 1.171 1.247 1.234 1.164   8.67
106)  n-Butylbenzene    0.710 1.029 0.864 0.937 1.024 1.116 1.137 0.974  15.43
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9989
               Response Ratio = 0.00000 + 0.91407 *A + 0.11950 *A^2

107)  Benzyl Chloride   0.104 0.152 0.162 0.225 0.282 0.347 0.357 0.233  42.56
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9951
               Response Ratio = 0.00000 + 0.19341 *A + 0.08927 *A^2

108)  1,2-Dichlorobenze 0.909 1.122 0.944 1.021 1.055 1.145 1.125 1.046   8.88
109)  1,2-Dibromo-3-Chl 0.116 0.152 0.146 0.188 0.200 0.236 0.236 0.182  25.23
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9975
               Response Ratio = 0.00000 + 0.16732 *A + 0.03807 *A^2

110)  Hexachlorobutadie 0.152 0.216 0.165 0.172 0.201 0.215 0.223 0.192  14.82
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9980
               Response Ratio = 0.00000 + 0.17454 *A + 0.02550 *A^2

111)  1,2,4-Trichlorobe 0.471 0.572 0.503 0.528 0.573 0.623 0.626 0.556  10.56
112)  Naphthalene       1.632 2.223 2.003 2.240 2.380 2.677 2.624 2.254  16.02
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
               Response Ratio = 0.00000 + 2.16008 *A + 0.26529 *A^2

113)  1,2,3-Trichlorobe 0.477 0.539 0.466 0.493 0.528 0.579 0.573 0.522   8.65
 ---------------------------------------------------------------------------
 (#) = Out of Range

          V2P_2022-08-24.M        Wed Aug 24 15:20:42 2022
```

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92279.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-08-24\2P92279.D Vial: 60
Acq On : 24 Aug 2022 2:09 pm Operator: courtnef
Sample : ICV3560-5 Inst : MSVOA13
Misc : MS52204,V2P3560,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\MET...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:30:01 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	102	0.00	3.72
2	Dichlorodifluoromethane		----------NA----------				
3 P	Chloromethane	0.153	0.137	10.5	92	0.00	1.25
4	1,3-butadiene	0.142	0.133	6.3	93	0.00	1.32
5 C	Vinyl Chloride	0.186	0.169	9.1	89	0.00	1.30
6	Bromomethane	0.115	0.098	14.8	92	0.00	1.51
	----------	Amount	Calc.	%Drift			
7	Chloroethane	40.000	34.864	12.8	96	0.00	1.58
8	Trichlorofluoromethane	40.000	36.722	8.2	85	0.00	1.67
	----------	AvgRF	CCRF	%Dev			
9	Ethyl Ether	0.174	0.166	4.6	96	0.00	1.88
	----------	Amount	Calc.	%Drift			
10	Ethanol	800.000	698.394	12.7	86	0.02	1.98
	----------	AvgRF	CCRF	%Dev			
11	1,2-Dichlorotrifluoroetha	0.163	0.174	-6.7	105	0.00	1.98
12 C	1,1-Dichloroethene	0.238	0.241	-1.3	99	0.00	1.98
	----------	Amount	Calc.	%Drift			
13	Freon 113	40.000	36.928	7.7	87	0.00	2.02
14	Carbon Disulfide	40.000	34.352	14.1	83	0.00	2.00
15	Iodomethane		----------NA----------				
	----------	AvgRF	CCRF	%Dev			
16	Acrolein	0.064	0.054	15.6	84	0.00	2.16
17	Allyl chloride	0.171	0.198	-15.8	112	0.00	2.25
	----------	Amount	Calc.	%Drift			
18	Methylene Chloride	40.000	32.471	18.8	92	0.00	2.30
19	Acetone	200.000	200.830	-0.4	106	0.00	2.32
	----------	AvgRF	CCRF	%Dev			
20	Methyl acetate	0.233	0.228	2.1	98	0.00	2.40
21	trans-1,2-Dichloroethene	0.241	0.238	1.2	99	0.00	2.40
	----------	Amount	Calc.	%Drift			
22	Hexane	40.000	41.523	-3.8	100	0.00	2.47
	----------	AvgRF	CCRF	%Dev			

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92279.D

23		Methyl Tert Butyl Ether	0.549	0.637	-16.0	115	0.00	2.48
24		Tert Butyl Alcohol	0.068	0.062	8.8	90	0.00	2.51
25		Acetonitrile	0.038	0.031	18.4	90	0.00	2.55
26		Di-isopropyl ether	0.510	0.509	0.2	100	0.00	2.69
27		Chloroprene	0.726	0.921	-26.9#	132	0.00	2.73
28	P	1,1-Dichloroethane	0.317	0.324	-2.2	102	0.00	2.73
29		Acrylonitrile	0.115	0.120	-4.3	110	0.00	2.73
30		ETBE	0.597	0.549	8.0	91	0.00	2.88
31		Vinyl acetate	0.411	0.416	-1.2	100	0.00	2.86
32		cis-1,2-Dichloroethene	0.189	0.183	3.2	98	0.00	3.02
			Amount	Calc.	%Drift			
33		2,2-Dichloropropane	40.000	37.190	7.0	92	0.00	3.09
			AvgRF	CCRF	%Dev			
34		Bromochloromethane	0.085	0.078	8.2	94	0.00	3.13
			Amount	Calc.	%Drift			
35		Cyclohexane	40.000	37.159	7.1	90	0.00	3.17
			AvgRF	CCRF	%Dev			
36	C	Chloroform	0.318	0.310	2.5	96	0.00	3.17
37		Ethyl acetate	0.311	0.306	1.6	101	0.00	3.23
38		Tetrahydrofuran	0.119	0.114	4.2	99	0.00	3.26
39	S	Dibromofluoromethane	0.213	0.217	-1.9	103	0.00	3.26
			Amount	Calc.	%Drift			
40		Carbon Tetrachloride	40.000	40.012	-0.0	99	0.00	3.27
41		1,1,1-Trichloroethane	40.000	38.417	4.0	96	0.00	3.30
42		2-Butanone	200.000	199.870	0.1	107	0.00	3.32
			AvgRF	CCRF	%Dev			
43		1,1-Dichloropropene	0.238	0.229	3.8	94	0.00	3.36
			Amount	Calc.	%Drift			
44		tert-Butyl formate	200.000	175.631	12.2	85	0.00	3.41
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.061	0.057	6.6	96	0.00	3.46
46		Methacrylonitrile	0.163	0.158	3.1	96	0.00	3.48
47		Benzene	0.761	0.725	4.7	96	0.00	3.49
48		TAME	0.543	0.719	-32.4#	130	0.00	3.57
49	S	1,2-Dichloroethane-d4	0.295	0.306	-3.7	103	0.00	3.55
50		Isobutyl alcohol	0.031	0.033	-6.5	102	0.00	3.59
51		1,2-Dichloroethane	0.272	0.262	3.7	96	0.00	3.59
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	350.606	12.3	88	0.00	3.65
			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.196	0.184	6.1	97	0.00	3.82
			Amount	Calc.	%Drift			
54		Methylcyclohexane	40.000	38.557	3.6	93	0.00	3.85
			AvgRF	CCRF	%Dev			
55		Dibromomethane	0.108	0.101	6.5	93	0.00	4.05
56	C	1,2-Dichloropropane	0.185	0.173	6.5	93	0.00	4.11
			Amount	Calc.	%Drift			

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92279.D

57		Bromodichloromethane	40.000	39.634	0.9	98	0.00	4.15
58		Methyl methacrylate	40.000	38.542	3.6	96	0.00	4.24
			AvgRF	CCRF	%Dev			
59		1,4-Dioxane	0.006	0.006	0.0	100	0.00	4.26
60		2-Chloroethyl vinyl ether	0.154	0.157	-1.9	99	0.00	4.48
			Amount	Calc.	%Drift			
61		cis-1,3-Dichloropropene	40.000	39.104	2.2	97	0.00	4.52
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	5.64
63	S	Toluene-d8	1.376	1.376	0.0	103	0.00	4.65
64	C	Toluene	1.180	1.115	5.5	98	0.00	4.68
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	191.129	4.4	93	0.00	4.78
			AvgRF	CCRF	%Dev			
66		4-Methyl-2-pentanone	0.455	0.450	1.1	103	0.00	4.89
			Amount	Calc.	%Drift			
67		trans-1,3-Dichloropropene	40.000	40.810	-2.0	102	0.00	4.92
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.251	0.240	4.4	97	0.00	4.94
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	38.356	4.1	96	0.00	5.03
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.202	0.191	5.4	96	0.00	5.02
			Amount	Calc.	%Drift			
71		Dibromochloromethane	40.000	37.409	6.5	93	0.00	5.14
			AvgRF	CCRF	%Dev			
72		1,3-Dichloropropane	0.449	0.400	10.9	91	0.00	5.19
73		1,2-Dibromoethane	0.244	0.243	0.4	99	0.00	5.29
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	1907.858	4.6	96	0.00	5.42
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.511	0.500	2.2	100	0.00	5.43
76		1-Chlorohexane	0.376	0.344	8.5	94	0.00	5.65
77	C	Ethylbenzene	1.295	1.227	5.3	96	0.00	5.69
78	P	Chlorobenzene	0.707	0.672	5.0	98	0.00	5.65
			Amount	Calc.	%Drift			
79		1,1,1,2-Tetrachloroethane	40.000	38.355	4.1	97	0.00	5.70
			AvgRF	CCRF	%Dev			
80		m,p-Xylene	1.024	0.972	5.1	96	0.00	5.78
81		o-Xylene	1.008	1.000	0.8	100	0.00	6.08
82		Styrene	0.771	0.767	0.5	97	0.00	6.11
			Amount	Calc.	%Drift			
83	P	Bromoform	40.000	38.188	4.5	95	0.00	6.12

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92279.D

			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.163	1.139	2.1	97	0.00	6.31
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	7.33
86	S	4-Bromofluorobenzene	0.780	0.782	-0.3	103	0.00	6.50
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	37.917	5.2	95	0.00	6.53
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	3.068	2.985	2.7	97	0.00	6.61
89		Bromobenzene	0.620	0.572	7.7	93	0.00	6.57
90	P	1,1,2,2-Tetrachloroethane	0.828	0.813	1.8	97	0.00	6.63
91		1,3,5-Trimethylbenzene	2.136	2.062	3.5	95	0.00	6.76
92		2-Chlorotoluene	1.851	1.808	2.3	98	0.00	6.72
93		trans-1,4-Dichloro-2-Bute	0.355	0.305	14.1	83	0.00	6.76
94		1,2,3-Trichloropropane	0.309	0.280	9.4	91	0.00	6.73
95		Cyclohexanone	0.065	0.068	-4.6	105	0.00	6.75
96		4-Chlorotoluene	1.951	1.891	3.1	99	0.00	6.84
97		tert-Butylbenzene	1.173	1.152	1.8	97	0.00	6.99
98		a-Methyl styrene		----------NA----------				
99		1,2,4-Trimethylbenzene	2.083	2.049	1.6	98	0.00	7.04
			Amount	Calc.	%Drift			
100		Pentachloroethane	40.000	41.245	-3.1	103	0.00	7.00
			AvgRF	CCRF	%Dev			
101		sec-Butylbenzene	2.271	2.324	-2.3	100	0.00	7.13
			Amount	Calc.	%Drift			
102		4-Isopropyltoluene	40.000	40.151	-0.4	101	0.00	7.25
			AvgRF	CCRF	%Dev			
103		1,3-Dichlorobenzene	1.114	1.090	2.2	100	0.00	7.28
104		1,2,3-Trimethylbenzene	2.090	2.111	-1.0	101	0.00	7.37
105		1,4-Dichlorobenzene	1.164	1.108	4.8	96	0.00	7.34
			Amount	Calc.	%Drift			
106		n-Butylbenzene	40.000	36.646	8.4	91	0.00	7.56
107		Benzyl Chloride	40.000	29.878	25.3#	66	0.00	7.52
			AvgRF	CCRF	%Dev			
108		1,2-Dichlorobenzene	1.046	1.011	3.3	97	0.00	7.65
			Amount	Calc.	%Drift			
109		1,2-Dibromo-3-Chloropropa	40.000	36.459	8.9	90	0.00	8.21
110		Hexachlorobutadiene	40.000	38.078	4.8	93	0.00	8.69
			AvgRF	CCRF	%Dev			
111		1,2,4-Trichlorobenzene	0.556	0.537	3.4	95	0.00	8.68
			Amount	Calc.	%Drift			
112		Naphthalene	40.000	39.130	2.2	99	0.00	8.88
			AvgRF	CCRF	%Dev			
113		1,2,3-Trichlorobenzene	0.522	0.497	4.8	96	0.00	9.01

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92279.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2P92271.D V2P_2022-08-24.M Wed Aug 24 15:19:29 2022

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92281.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-08-24\2P92281.D Vial: 61
Acq On : 24 Aug 2022 2:41 pm Operator: courtnef
Sample : ICV3560-4 Inst : MSVOA13
Misc : MS52204,V2P3560,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\MET...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:30:01 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	105	0.00	3.72
2	Dichlorodifluoromethane	0.135	0.115	14.8	103	0.00	1.12
3 P	Chloromethane		----------NA----------				
4	1,3-butadiene		----------NA----------				
5 C	Vinyl Chloride		----------NA----------				
6	Bromomethane		----------NA----------				
	----------	Amount	Calc.	%Drift	----------		
7	Chloroethane		----------NA----------				
8	Trichlorofluoromethane		----------NA----------				
	----------	AvgRF	CCRF	%Dev	----------		
9	Ethyl Ether		----------NA----------				
	----------	Amount	Calc.	%Drift	----------		
10	Ethanol		----------NA----------				
	----------	AvgRF	CCRF	%Dev	----------		
11	1,2-Dichlorotrifluoroetha		----------NA----------				
12 C	1,1-Dichloroethene		----------NA----------				
	----------	Amount	Calc.	%Drift	----------		
13	Freon 113		----------NA----------				
14	Carbon Disulfide		----------NA----------				
15	Iodomethane	25.000	22.821	8.7	99	0.00	2.06
	----------	AvgRF	CCRF	%Dev	----------		
16	Acrolein		----------NA----------				
17	Allyl chloride		----------NA----------				
	----------	Amount	Calc.	%Drift	----------		
18	Methylene Chloride		----------NA----------				
19	Acetone		----------NA----------				
	----------	AvgRF	CCRF	%Dev	----------		
20	Methyl acetate		----------NA----------				
21	trans-1,2-Dichloroethene		----------NA----------				
	----------	Amount	Calc.	%Drift	----------		
22	Hexane		----------NA----------				
	----------	AvgRF	CCRF	%Dev	----------		

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92281.D

23		Methyl Tert Butyl Ether		----------NA----------					
24		Tert Butyl Alcohol		----------NA----------					
25		Acetonitrile		----------NA----------					
26		Di-isopropyl ether		----------NA----------					
27		Chloroprene		----------NA----------					
28	P	1,1-Dichloroethane		----------NA----------					
29		Acrylonitrile		----------NA----------					
30		ETBE		----------NA----------					
31		Vinyl acetate		----------NA----------					
32		cis-1,2-Dichloroethene		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			
33		2,2-Dichloropropane		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
34		Bromochloromethane		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			
35		Cyclohexane		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
36	C	Chloroform		----------NA----------					
37		Ethyl acetate		----------NA----------					
38		Tetrahydrofuran		----------NA----------					
39	S	Dibromofluoromethane	0.213	0.215	-0.9	104	0.00	3.27	
		----------	Amount	Calc.	%Drift	----------			
40		Carbon Tetrachloride		----------NA----------					
41		1,1,1-Trichloroethane		----------NA----------					
42		2-Butanone		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
43		1,1-Dichloropropene		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			
44		tert-Butyl formate		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
45		Propionitrile		----------NA----------					
46		Methacrylonitrile		----------NA----------					
47		Benzene		----------NA----------					
48		TAME		----------NA----------					
49	S	1,2-Dichloroethane-d4	0.295	0.300	-1.7	105	0.00	3.55	
50		Isobutyl alcohol		----------NA----------					
51		1,2-Dichloroethane		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			
52		Tert Amyl Alcohol		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
53		Trichloroethene		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			
54		Methylcyclohexane		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
55		Dibromomethane		----------NA----------					
56	C	1,2-Dichloropropane		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: V2P3560-ICV3560
Lab FileID: 2P92281.D

57		Bromodichloromethane			NA				
58		Methyl methacrylate			NA				
			AvgRF	CCRF	%Dev				
59		1,4-Dioxane			NA				
60		2-Chloroethyl vinyl ether			NA				
			Amount	Calc.	%Drift				
61		cis-1,3-Dichloropropene			NA				
			AvgRF	CCRF	%Dev				
62	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	5.64	
63	S	Toluene-d8	1.376	1.377	-0.1	104	0.00	4.65	
64	C	Toluene			NA				
			Amount	Calc.	%Drift				
65		2-Nitropropane			NA				
			AvgRF	CCRF	%Dev				
66		4-Methyl-2-pentanone			NA				
			Amount	Calc.	%Drift				
67		trans-1,3-Dichloropropene			NA				
			AvgRF	CCRF	%Dev				
68		Tetrachloroethene			NA				
			Amount	Calc.	%Drift				
69		Ethyl methacrylate			NA				
			AvgRF	CCRF	%Dev				
70		1,1,2-Trichloroethane			NA				
			Amount	Calc.	%Drift				
71		Dibromochloromethane			NA				
			AvgRF	CCRF	%Dev				
72		1,3-Dichloropropane			NA				
73		1,2-Dibromoethane			NA				
			Amount	Calc.	%Drift				
74		3,3-dimethyl-1-butanol			NA				
			AvgRF	CCRF	%Dev				
75		2-hexanone			NA				
76		1-Chlorohexane			NA				
77	C	Ethylbenzene			NA				
78	P	Chlorobenzene			NA				
			Amount	Calc.	%Drift				
79		1,1,1,2-Tetrachloroethane			NA				
			AvgRF	CCRF	%Dev				
80		m,p-Xylene			NA				
81		o-Xylene			NA				
82		Styrene			NA				
			Amount	Calc.	%Drift				
83	P	Bromoform			NA				

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92281.D

			AvgRF	CCRF	%Dev			
84		Isopropylbenzene		NA				
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	7.33
86	S	4-Bromofluorobenzene	0.780	0.763	2.2	103	0.00	6.50

			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene		NA				

			AvgRF	CCRF	%Dev			
88		n-Propylbenzene		NA				
89		Bromobenzene		NA				
90	P	1,1,2,2-Tetrachloroethane		NA				
91		1,3,5-Trimethylbenzene		NA				
92		2-Chlorotoluene		NA				
93		trans-1,4-Dichloro-2-Bute		NA				
94		1,2,3-Trichloropropane		NA				
95		Cyclohexanone		NA				
96		4-Chlorotoluene		NA				
97		tert-Butylbenzene		NA				
98		a-Methyl styrene		NA				
99		1,2,4-Trimethylbenzene		NA				

			Amount	Calc.	%Drift			
100		Pentachloroethane		NA				

			AvgRF	CCRF	%Dev			
101		sec-Butylbenzene		NA				

			Amount	Calc.	%Drift			
102		4-Isopropyltoluene		NA				

			AvgRF	CCRF	%Dev			
103		1,3-Dichlorobenzene		NA				
104		1,2,3-Trimethylbenzene		NA				
105		1,4-Dichlorobenzene		NA				

			Amount	Calc.	%Drift			
106		n-Butylbenzene		NA				
107		Benzyl Chloride		NA				

			AvgRF	CCRF	%Dev			
108		1,2-Dichlorobenzene		NA				

			Amount	Calc.	%Drift			
109		1,2-Dibromo-3-Chloropropa		NA				
110		Hexachlorobutadiene		NA				

			AvgRF	CCRF	%Dev			
111		1,2,4-Trichlorobenzene		NA				

			Amount	Calc.	%Drift			
112		Naphthalene		NA				

			AvgRF	CCRF	%Dev			
113		1,2,3-Trichlorobenzene		NA				

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92281.D

(#) = Out of Range SPCC's out = 4 CCC's out = 6
2P92269.D V2P_2022-08-24.M Wed Aug 24 15:20:21 2022

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-CC3560
Lab FileID: 2P92601.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-09-01\2P92601.D Vial: 52
Acq On : 1 Sep 2022 1:04 pm Operator: courtnef
Sample : CC3560-5 Inst : MSVOA13
Misc : MS52204,V2P3567,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\MET...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:29:43 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	91	0.00	3.72
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	57.929	-44.8#	124	0.00	1.12
		AvgRF	CCRF	%Dev			
3 P	Chloromethane	0.153	0.187	-22.2#	112	0.00	1.25
4	1,3-butadiene	0.142	0.142	0.0	89	0.00	1.32
5 C	Vinyl Chloride	0.186	0.230	-23.7#	108	0.00	1.30
6	Bromomethane	0.115	0.108	6.1	90	0.00	1.51
		Amount	Calc.	%Drift			
7	Chloroethane	40.000	42.219	-5.5	103	0.00	1.58
8	Trichlorofluoromethane	40.000	59.132	-47.8#	102	0.00	1.67
		AvgRF	CCRF	%Dev			
9	Ethyl Ether	0.174	0.190	-9.2	98	0.00	1.88
		Amount	Calc.	%Drift			
10	Ethanol	800.000	1000.337	-25.0#	105	0.01	1.97
		AvgRF	CCRF	%Dev			
11	1,2-Dichlorotrifluoroetha	0.163	0.186	-14.1	99	0.00	1.98
12 C	1,1-Dichloroethene	0.238	0.272	-14.3	100	0.00	1.98
		Amount	Calc.	%Drift			
13	Freon 113	40.000	45.040	-12.6	97	0.00	2.02
14	Carbon Disulfide	40.000	43.105	-7.8	96	0.00	2.00
15	Iodomethane	40.000	32.735	18.2	65	0.00	2.06
		AvgRF	CCRF	%Dev			
16	Acrolein	0.064	0.072	-12.5	100	0.00	2.16
17	Allyl chloride	0.171	0.187	-9.4	95	0.00	2.25
		Amount	Calc.	%Drift			
18	Methylene Chloride	40.000	42.668	-6.7	106	0.00	2.30
19	Acetone	200.000	224.126	-12.1	105	0.00	2.32
		AvgRF	CCRF	%Dev			
20	Methyl acetate	0.233	0.279	-19.7	107	0.00	2.40
21	trans-1,2-Dichloroethene	0.241	0.270	-12.0	100	0.00	2.40

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: V2P3567-CC3560
Lab FileID: 2P92601.D

			Amount	Calc.	%Drift			
22		Hexane	40.000	46.550	-16.4	102	0.00	2.47
			AvgRF	CCRF	%Dev			
23		Methyl Tert Butyl Ether	0.549	0.618	-12.6	100	0.00	2.47
24		Tert Butyl Alcohol	0.068	0.077	-13.2	100	0.00	2.51
25		Acetonitrile	0.038	0.040	-5.3	105	0.00	2.55
26		Di-isopropyl ether	0.510	0.581	-13.9	102	0.00	2.68
27		Chloroprene	0.726	0.798	-9.9	102	0.00	2.73
28	P	1,1-Dichloroethane	0.317	0.356	-12.3	100	0.00	2.73
29		Acrylonitrile	0.115	0.126	-9.6	103	0.00	2.73
30		ETBE	0.597	0.680	-13.9	100	0.00	2.88
31		Vinyl acetate	0.411	0.452	-10.0	97	0.00	2.86
32		cis-1,2-Dichloroethene	0.189	0.204	-7.9	97	0.00	3.02
			Amount	Calc.	%Drift			
33		2,2-Dichloropropane	40.000	44.113	-10.3	100	0.00	3.09
			AvgRF	CCRF	%Dev			
34		Bromochloromethane	0.085	0.093	-9.4	100	0.00	3.13
			Amount	Calc.	%Drift			
35		Cyclohexane	40.000	45.605	-14.0	101	0.00	3.17
			AvgRF	CCRF	%Dev			
36	C	Chloroform	0.318	0.361	-13.5	100	0.00	3.17
37		Ethyl acetate	0.311	0.346	-11.3	102	0.00	3.23
38		Tetrahydrofuran	0.119	0.136	-14.3	105	0.00	3.26
39	S	Dibromofluoromethane	0.213	0.217	-1.9	92	0.00	3.27
			Amount	Calc.	%Drift			
40		Carbon Tetrachloride	40.000	44.511	-11.3	100	0.00	3.27
41		1,1,1-Trichloroethane	40.000	44.233	-10.6	99	0.00	3.30
42		2-Butanone	200.000	219.711	-9.9	104	0.00	3.32
			AvgRF	CCRF	%Dev			
43		1,1-Dichloropropene	0.238	0.272	-14.3	100	0.00	3.36
			Amount	Calc.	%Drift			
44		tert-Butyl formate	200.000	212.095	-6.0	94	0.00	3.41
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.061	0.070	-14.8	105	0.00	3.46
46		Methacrylonitrile	0.163	0.189	-16.0	102	0.00	3.48
47		Benzene	0.761	0.849	-11.6	101	0.00	3.50
48		TAME	0.543	0.613	-12.9	99	0.00	3.57
49	S	1,2-Dichloroethane-d4	0.295	0.295	0.0	88	0.00	3.55
50		Isobutyl alcohol	0.031	0.039	-25.8#	105	0.00	3.59
51		1,2-Dichloroethane	0.272	0.300	-10.3	99	0.00	3.59
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	447.000	-11.8	101	0.00	3.65
			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.196	0.210	-7.1	99	0.00	3.82
			Amount	Calc.	%Drift			
54		Methylcyclohexane	40.000	45.680	-14.2	100	0.00	3.85
			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-CC3560
Lab FileID: 2P92601.D

55		Dibromomethane	0.108	0.119	-10.2	98	0.00	4.05
56	C	1,2-Dichloropropane	0.185	0.209	-13.0	101	0.00	4.11
			Amount	Calc.	%Drift			
57		Bromodichloromethane	40.000	42.962	-7.4	96	0.00	4.15
58		Methyl methacrylate	40.000	44.586	-11.5	101	0.00	4.24
			AvgRF	CCRF	%Dev			
59		1,4-Dioxane	0.006	0.007	-16.7	105	0.00	4.26
60		2-Chloroethyl vinyl ether	0.154	0.167	-8.4	94	0.00	4.48
			Amount	Calc.	%Drift			
61		cis-1,3-Dichloropropene	40.000	43.308	-8.3	97	0.00	4.52
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00	5.64
63	S	Toluene-d8	1.376	1.315	4.4	92	0.00	4.65
64	C	Toluene	1.180	1.238	-4.9	102	0.00	4.68
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	208.755	-4.4	97	0.00	4.78
			AvgRF	CCRF	%Dev			
66		4-Methyl-2-pentanone	0.455	0.482	-5.9	104	0.00	4.89
			Amount	Calc.	%Drift			
67		trans-1,3-Dichloropropene	40.000	41.617	-4.0	98	0.00	4.92
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.251	0.268	-6.8	102	0.00	4.94
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	41.668	-4.2	99	0.00	5.03
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.202	0.213	-5.4	100	0.00	5.02
			Amount	Calc.	%Drift			
71		Dibromochloromethane	40.000	42.477	-6.2	100	0.00	5.14
			AvgRF	CCRF	%Dev			
72		1,3-Dichloropropane	0.449	0.461	-2.7	99	0.00	5.19
73		1,2-Dibromoethane	0.244	0.265	-8.6	101	0.00	5.29
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	2109.890	-5.5	100	0.00	5.42
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.511	0.555	-8.6	103	0.00	5.43
76		1-Chlorohexane	0.376	0.387	-2.9	99	0.00	5.65
77	C	Ethylbenzene	1.295	1.363	-5.3	100	0.00	5.69
78	P	Chlorobenzene	0.707	0.744	-5.2	102	0.00	5.65
			Amount	Calc.	%Drift			
79		1,1,1,2-Tetrachloroethane	40.000	41.147	-2.9	98	0.00	5.70
			AvgRF	CCRF	%Dev			
80		m,p-Xylene	1.024	1.084	-5.9	100	0.00	5.79
81		o-Xylene	1.008	1.075	-6.6	101	0.00	6.08

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: V2P3567-CC3560
Lab FileID: 2P92601.D

82		Styrene	0.771	0.833	-8.0	99	0.00	6.11
			Amount	Calc.	%Drift			
83	P	Bromoform	40.000	40.874	-2.2	97	0.00	6.12
			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.163	1.256	-8.0	100	0.00	6.31
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	7.33
86	S	4-Bromofluorobenzene	0.780	0.764	2.1	98	0.00	6.50
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	39.254	1.9	96	0.00	6.53
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	3.068	3.162	-3.1	100	0.00	6.61
89		Bromobenzene	0.620	0.637	-2.7	101	0.00	6.57
90	P	1,1,2,2-Tetrachloroethane	0.828	0.868	-4.8	102	0.00	6.63
91		1,3,5-Trimethylbenzene	2.136	2.208	-3.4	100	0.00	6.76
92		2-Chlorotoluene	1.851	1.879	-1.5	99	0.00	6.71
93		trans-1,4-Dichloro-2-Bute	0.355	0.358	-0.8	95	0.00	6.76
94		1,2,3-Trichloropropane	0.309	0.319	-3.2	101	0.00	6.73
95		Cyclohexanone	0.065	0.069	-6.2	105	0.00	6.74
96		4-Chlorotoluene	1.951	1.972	-1.1	101	0.00	6.84
97		tert-Butylbenzene	1.173	1.214	-3.5	100	0.00	6.99
98		a-Methyl styrene		----------NA----------				
99		1,2,4-Trimethylbenzene	2.083	2.144	-2.9	100	0.00	7.05
			Amount	Calc.	%Drift			
100		Pentachloroethane	40.000	42.085	-5.2	103	0.00	7.00
			AvgRF	CCRF	%Dev			
101		sec-Butylbenzene	2.271	2.400	-5.7	101	0.00	7.13
			Amount	Calc.	%Drift			
102		4-Isopropyltoluene	40.000	41.297	-3.2	102	0.00	7.24
			AvgRF	CCRF	%Dev			
103		1,3-Dichlorobenzene	1.114	1.155	-3.7	103	0.00	7.28
104		1,2,3-Trimethylbenzene	2.090	2.120	-1.4	99	0.00	7.37
105		1,4-Dichlorobenzene	1.164	1.186	-1.9	101	0.00	7.34
			Amount	Calc.	%Drift			
106		n-Butylbenzene	40.000	40.872	-2.2	100	0.00	7.56
107		Benzyl Chloride	40.000	40.487	-1.2	95	0.00	7.52
			AvgRF	CCRF	%Dev			
108		1,2-Dichlorobenzene	1.046	1.082	-3.4	102	0.00	7.65
			Amount	Calc.	%Drift			
109		1,2-Dibromo-3-Chloropropa	40.000	41.140	-2.9	102	0.00	8.21
110		Hexachlorobutadiene	40.000	43.113	-7.8	105	0.00	8.69
			AvgRF	CCRF	%Dev			
111		1,2,4-Trichlorobenzene	0.556	0.587	-5.6	102	0.00	8.68
			Amount	Calc.	%Drift			
112		Naphthalene	40.000	40.480	-1.2	100	0.00	8.89
			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-CC3560
Lab FileID: 2P92601.D

113	1,2,3-Trichlorobenzene	0.522	0.545	-4.4	103	0.00	9.01	

(#) = Out of Range SPCC's out = 0 CCC's out = 1
2P92271.D V2P_2022-08-24.M Thu Sep 01 13:20:18 2022

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-ECC3560
Lab FileID: 2P92645.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\An...022\V2P3567\2P92645.D Vial: 74
Acq On : 2 Sep 2022 12:50 am Operator: courtnef
Sample : ECC3560-5 Inst : MSVOA13
Misc : MS52312,V2P3567,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\met...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:29:43 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	93	0.00	3.72
		True	Calc.	% Drift			
2	Dichlorodifluoromethane	40.000	58.868	-47.2	129	0.00	1.13
		AvgRF	CCRF	% Dev			
3 P	Chloromethane	0.153	0.203	-32.7	124	0.00	1.25
4	1,3-butadiene	0.142	0.159	-12.0	102	0.00	1.32
5 C	Vinyl Chloride	0.186	0.238	-28.0#	114	0.00	1.31
6	Bromomethane	0.115	0.114	0.9	98	0.00	1.51
		True	Calc.	% Drift			
7	Chloroethane	40.000	43.466	-8.7	108	0.00	1.58
8	Trichlorofluoromethane	40.000	59.688	-49.2	105	0.00	1.68
		AvgRF	CCRF	% Dev			
9	Ethyl Ether	0.174	0.192	-10.3	102	0.00	1.88
		True	Calc.	% Drift			
10	Ethanol	800.000	1004.854	-25.6	108	0.01	1.98
		AvgRF	CCRF	% Dev			
11	1,2-Dichlorotrifluoroetha	0.163	0.189	-16.0	103	0.00	1.98
12 C	1,1-Dichloroethene	0.238	0.269	-13.0	101	0.00	1.99
		True	Calc.	% Drift			
13	Freon 113	40.000	42.249	-5.6	92	0.00	2.02
14	Carbon Disulfide	40.000	42.166	-5.4	96	0.00	2.01
15	Iodomethane	40.000	53.817	-34.5	120	0.00	2.06
		AvgRF	CCRF	% Dev			
16	Acrolein	0.064	0.067	-4.7	96	0.00	2.16
17	Allyl chloride	0.171	0.179	-4.7	93	0.00	2.25
		True	Calc.	% Drift			
18	Methylene Chloride	40.000	43.452	-8.6	110	0.00	2.31
19	Acetone	200.000	224.594	-12.3	108	0.00	2.32
		AvgRF	CCRF	% Dev			
20	Methyl acetate	0.233	0.288	-23.6	113	0.00	2.40
21	trans-1,2-Dichloroethene	0.241	0.273	-13.3	104	0.00	2.40

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-ECC3560
Lab FileID: 2P92645.D

			True	Calc.	% Drift			
22		Hexane	40.000	41.995	-5.0	92	0.00	2.47
			AvgRF	CCRF	% Dev			
23		Methyl Tert Butyl Ether	0.549	0.614	-11.8	101	0.00	2.47
24		Tert Butyl Alcohol	0.068	0.077	-13.2	102	0.00	2.51
25		Acetonitrile	0.038	0.040	-5.3	107	0.00	2.56
26		Di-isopropyl ether	0.510	0.606	-18.8	109	0.00	2.69
27		Chloroprene	0.726	0.806	-11.0	105	0.00	2.73
28	P	1,1-Dichloroethane	0.317	0.360	-13.6	103	0.00	2.73
29		Acrylonitrile	0.115	0.127	-10.4	106	0.00	2.73
30		ETBE	0.597	0.684	-14.6	103	0.00	2.89
31		Vinyl acetate	0.411	0.448	-9.0	99	0.00	2.86
32		cis-1,2-Dichloroethene	0.189	0.205	-8.5	100	0.00	3.03
			True	Calc.	% Drift			
33		2,2-Dichloropropane	40.000	35.578	11.1	80	0.00	3.09
			AvgRF	CCRF	% Dev			
34		Bromochloromethane	0.085	0.089	-4.7	98	0.00	3.13
			True	Calc.	% Drift			
35		Cyclohexane	40.000	46.194	-15.5	105	0.00	3.17
			AvgRF	CCRF	% Dev			
36	C	Chloroform	0.318	0.358	-12.6	101	0.00	3.17
37		Ethyl acetate	0.311	0.350	-12.5	105	0.00	3.23
38		Tetrahydrofuran	0.119	0.140	-17.6	111	0.00	3.26
39	S	Dibromofluoromethane	0.213	0.209	1.9	91	0.00	3.27
			True	Calc.	% Drift			
40		Carbon Tetrachloride	40.000	43.384	-8.5	99	0.00	3.27
41		1,1,1-Trichloroethane	40.000	43.430	-8.6	100	0.00	3.30
42		2-Butanone	200.000	220.479	-10.2	107	0.00	3.32
			AvgRF	CCRF	% Dev			
43		1,1-Dichloropropene	0.238	0.269	-13.0	101	0.00	3.37
			True	Calc.	% Drift			
44		tert-Butyl formate	200.000	208.875	-4.4	95	0.00	3.41
			AvgRF	CCRF	% Dev			
45		Propionitrile	0.061	0.069	-13.1	106	0.00	3.47
46		Methacrylonitrile	0.163	0.186	-14.1	103	0.00	3.49
47		Benzene	0.761	0.851	-11.8	103	0.00	3.50
48		TAME	0.543	0.611	-12.5	101	0.00	3.57
49	S	1,2-Dichloroethane-d4	0.295	0.288	2.4	89	0.00	3.55
50		Isobutyl alcohol	0.031	0.038	-22.6	105	0.00	3.59
51		1,2-Dichloroethane	0.272	0.296	-8.8	100	0.00	3.59
			True	Calc.	% Drift			
52		Tert Amyl Alcohol	400.000	442.652	-10.7	103	0.00	3.65
			AvgRF	CCRF	% Dev			
53		Trichloroethene	0.196	0.207	-5.6	99	0.00	3.83
			True	Calc.	% Drift			
54		Methylcyclohexane	40.000	44.183	-10.5	99	0.00	3.85
			AvgRF	CCRF	% Dev			

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-ECC3560
Lab FileID: 2P92645.D

55		Dibromomethane	0.108	0.118	-9.3	99	0.00	4.05
56	C	1,2-Dichloropropane	0.185	0.210	-13.5	103	0.00	4.11
			True	Calc.	% Drift			
57		Bromodichloromethane	40.000	42.673	-6.7	98	0.00	4.15
58		Methyl methacrylate	40.000	43.144	-7.9	100	0.00	4.23
			AvgRF	CCRF	% Dev			
59		1,4-Dioxane	0.006	0.007	-16.7	105	0.00	4.26
60		2-Chloroethyl vinyl ether	0.154	0.154	0.0	89	0.00	4.48
			True	Calc.	% Drift			
61		cis-1,3-Dichloropropene	40.000	41.952	-4.9	96	0.00	4.52
			AvgRF	CCRF	% Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00	5.65
63	S	Toluene-d8	1.376	1.333	3.1	93	0.00	4.65
64	C	Toluene	1.180	1.245	-5.5	102	0.00	4.68
			True	Calc.	% Drift			
65		2-Nitropropane	200.000	203.352	-1.7	94	0.00	4.78
			AvgRF	CCRF	% Dev			
66		4-Methyl-2-pentanone	0.455	0.495	-8.8	106	0.00	4.89
			True	Calc.	% Drift			
67		trans-1,3-Dichloropropene	40.000	41.043	-2.6	96	0.00	4.92
			AvgRF	CCRF	% Dev			
68		Tetrachloroethene	0.251	0.283	-12.7	107	0.00	4.94
			True	Calc.	% Drift			
69		Ethyl methacrylate	40.000	40.850	-2.1	96	0.00	5.03
			AvgRF	CCRF	% Dev			
70		1,1,2-Trichloroethane	0.202	0.219	-8.4	103	0.00	5.02
			True	Calc.	% Drift			
71		Dibromochloromethane	40.000	41.044	-2.6	96	0.00	5.14
			AvgRF	CCRF	% Dev			
72		1,3-Dichloropropane	0.449	0.470	-4.7	101	0.00	5.20
73		1,2-Dibromoethane	0.244	0.268	-9.8	102	0.00	5.30
			True	Calc.	% Drift			
74		3,3-dimethyl-1-butanol	2000.000	2137.723	-6.9	101	0.00	5.42
			AvgRF	CCRF	% Dev			
75		2-hexanone	0.511	0.564	-10.4	105	0.00	5.43
76		1-Chlorohexane	0.376	0.400	-6.4	103	0.00	5.65
77	C	Ethylbenzene	1.295	1.371	-5.9	101	0.00	5.68
78	P	Chlorobenzene	0.707	0.744	-5.2	102	0.00	5.66
			True	Calc.	% Drift			
79		1,1,1,2-Tetrachloroethane	40.000	41.336	-3.3	99	0.00	5.70
			AvgRF	CCRF	% Dev			
80		m,p-Xylene	1.024	1.092	-6.6	101	0.00	5.78
81		o-Xylene	1.008	1.083	-7.4	101	0.00	6.08

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-ECC3560
Lab FileID: 2P92645.D

82		Styrene	0.771	0.813	-5.4	96	0.00	6.11
			True	Calc.	% Drift			
83	P	Bromoform	40.000	39.112	2.2	92	0.00	6.12
			AvgRF	CCRF	% Dev			
84		Isopropylbenzene	1.163	1.260	-8.3	100	0.00	6.31
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00	7.33
86	S	4-Bromofluorobenzene	0.780	0.772	1.0	96	0.00	6.50
			True	Calc.	% Drift			
87		cis-1,4-Dichloro-2-butene	40.000	30.119	24.7	69	0.00	6.53
			AvgRF	CCRF	% Dev			
88		n-Propylbenzene	3.068	3.244	-5.7	99	0.00	6.61
89		Bromobenzene	0.620	0.652	-5.2	100	0.00	6.57
90	P	1,1,2,2-Tetrachloroethane	0.828	0.899	-8.6	102	0.00	6.63
91		1,3,5-Trimethylbenzene	2.136	2.287	-7.1	100	0.00	6.76
92		2-Chlorotoluene	1.851	1.959	-5.8	100	0.00	6.71
93		trans-1,4-Dichloro-2-Bute	0.355	0.307	13.5	79	0.00	6.76
94		1,2,3-Trichloropropane	0.309	0.326	-5.5	100	0.00	6.73
95		Cyclohexanone	0.065	0.072	-10.8	105	0.00	6.74
96		4-Chlorotoluene	1.951	2.025	-3.8	100	0.00	6.83
97		tert-Butylbenzene	1.173	1.254	-6.9	100	0.00	6.99
98		a-Methyl styrene	0.000	0.000	0.0	0#	0.00	7.14
99		1,2,4-Trimethylbenzene	2.083	2.209	-6.0	100	0.00	7.05
			True	Calc.	% Drift			
100		Pentachloroethane	40.000	36.106	9.7	83	0.00	6.99
			AvgRF	CCRF	% Dev			
101		sec-Butylbenzene	2.271	2.443	-7.6	100	0.00	7.13
			True	Calc.	% Drift			
102		4-Isopropyltoluene	40.000	41.227	-3.1	98	0.00	7.25
			AvgRF	CCRF	% Dev			
103		1,3-Dichlorobenzene	1.114	1.160	-4.1	100	0.00	7.28
104		1,2,3-Trimethylbenzene	2.090	2.192	-4.9	99	0.00	7.38
105		1,4-Dichlorobenzene	1.164	1.188	-2.1	98	0.00	7.34
			True	Calc.	% Drift			
106		n-Butylbenzene	40.000	40.395	-1.0	96	0.00	7.56
107		Benzyl Chloride	40.000	28.778	28.1	60	0.00	7.52
			AvgRF	CCRF	% Dev			
108		1,2-Dichlorobenzene	1.046	1.092	-4.4	99	0.00	7.65
			True	Calc.	% Drift			
109		1,2-Dibromo-3-Chloropropa	40.000	41.324	-3.3	99	0.00	8.21
110		Hexachlorobutadiene	40.000	43.016	-7.5	101	0.00	8.69
			AvgRF	CCRF	% Dev			
111		1,2,4-Trichlorobenzene	0.556	0.572	-2.9	96	0.00	8.68
			True	Calc.	% Drift			
112		Naphthalene	40.000	41.233	-3.1	99	0.00	8.89
			AvgRF	CCRF	% Dev			

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-ECC3560
Lab FileID: 2P92645.D

113	1,2,3-Trichlorobenzene	0.522	0.546	-4.6	99	0.00	9.01

(#) = Out of Range SPCC's out = 0 CCC's out = 1
2P92271.D V2P_2022-08-24.M Fri Sep 02 03:05:39 2022

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3568-CC3560
Lab FileID: 2P92657.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-09-06\2P92657.D Vial: 52
Acq On : 6 Sep 2022 11:31 am Operator: courtnef
Sample : CC3560-5 Inst : MSVOA13
Misc : MS52204,V2P3568,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\MET...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:29:43 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	87	0.00	3.72
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	62.598	-56.5#	128	0.00	1.12
		AvgRF	CCRF	%Dev			
3 P	Chloromethane	0.153	0.198	-29.4#	113	0.00	1.25
4	1,3-butadiene	0.142	0.110	22.5#	66	0.00	1.32
5 C	Vinyl Chloride	0.186	0.252	-35.5#	113	0.00	1.31
6	Bromomethane	0.115	0.111	3.5	89	0.00	1.51
		Amount	Calc.	%Drift			
7	Chloroethane	40.000	44.088	-10.2	102	0.00	1.58
8	Trichlorofluoromethane	40.000	65.737	-64.3#	102	0.00	1.67
		AvgRF	CCRF	%Dev			
9	Ethyl Ether	0.174	0.197	-13.2	98	0.00	1.88
		Amount	Calc.	%Drift			
10	Ethanol	800.000	949.664	-18.7	96	0.00	1.97
		AvgRF	CCRF	%Dev			
11	1,2-Dichlorotrifluoroetha	0.163	0.192	-17.8	98	0.00	1.98
12 C	1,1-Dichloroethene	0.238	0.276	-16.0	97	0.00	1.98
		Amount	Calc.	%Drift			
13	Freon 113	40.000	45.680	-14.2	94	0.00	2.02
14	Carbon Disulfide	40.000	43.200	-8.0	92	0.00	2.00
15	Iodomethane	40.000	41.756	-4.4	83	0.00	2.06
		AvgRF	CCRF	%Dev			
16	Acrolein	0.064	0.076	-18.7	102	0.00	2.16
17	Allyl chloride	0.171	0.178	-4.1	86	0.00	2.25
		Amount	Calc.	%Drift			
18	Methylene Chloride	40.000	41.763	-4.4	99	0.00	2.31
19	Acetone	200.000	218.369	-9.2	98	0.00	2.32
		AvgRF	CCRF	%Dev			
20	Methyl acetate	0.233	0.282	-21.0#	103	0.00	2.40
21	trans-1,2-Dichloroethene	0.241	0.276	-14.5	98	0.00	2.41

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3568-CC3560
Lab FileID: 2P92657.D

			Amount	Calc.	%Drift			
22		Hexane	40.000	46.802	-17.0	98	0.00	2.47
			AvgRF	CCRF	%Dev			
23		Methyl Tert Butyl Ether	0.549	0.636	-15.8	98	0.00	2.47
24		Tert Butyl Alcohol	0.068	0.078	-14.7	97	0.00	2.51
25		Acetonitrile	0.038	0.038	0.0	96	0.00	2.56
26		Di-isopropyl ether	0.510	0.601	-17.8	101	0.00	2.69
27		Chloroprene	0.726	0.805	-10.9	98	0.00	2.73
28	P	1,1-Dichloroethane	0.317	0.363	-14.5	97	0.00	2.73
29		Acrylonitrile	0.115	0.127	-10.4	99	0.00	2.73
30		ETBE	0.597	0.698	-16.9	98	0.00	2.89
31		Vinyl acetate	0.411	0.454	-10.5	93	0.00	2.86
32		cis-1,2-Dichloroethene	0.189	0.214	-13.2	97	0.00	3.02
			Amount	Calc.	%Drift			
33		2,2-Dichloropropane	40.000	44.611	-11.5	96	0.00	3.09
			AvgRF	CCRF	%Dev			
34		Bromochloromethane	0.085	0.097	-14.1	99	0.00	3.13
			Amount	Calc.	%Drift			
35		Cyclohexane	40.000	46.256	-15.6	98	0.00	3.16
			AvgRF	CCRF	%Dev			
36	C	Chloroform	0.318	0.371	-16.7	98	0.00	3.17
37		Ethyl acetate	0.311	0.352	-13.2	99	0.00	3.23
38		Tetrahydrofuran	0.119	0.141	-18.5	104	0.00	3.26
39	S	Dibromofluoromethane	0.213	0.220	-3.3	89	0.00	3.27
			Amount	Calc.	%Drift			
40		Carbon Tetrachloride	40.000	45.082	-12.7	97	0.00	3.27
41		1,1,1-Trichloroethane	40.000	45.462	-13.7	98	0.00	3.29
42		2-Butanone	200.000	220.116	-10.1	100	0.00	3.32
			AvgRF	CCRF	%Dev			
43		1,1-Dichloropropene	0.238	0.278	-16.8	97	0.00	3.37
			Amount	Calc.	%Drift			
44		tert-Butyl formate	200.000	227.956	-14.0	98	0.00	3.41
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.061	0.068	-11.5	97	0.00	3.46
46		Methacrylonitrile	0.163	0.182	-11.7	94	0.00	3.48
47		Benzene	0.761	0.879	-15.5	99	0.00	3.50
48		TAME	0.543	0.642	-18.2	99	0.00	3.57
49	S	1,2-Dichloroethane-d4	0.295	0.297	-0.7	85	0.00	3.55
50		Isobutyl alcohol	0.031	0.037	-19.4	97	0.00	3.59
51		1,2-Dichloroethane	0.272	0.305	-12.1	96	0.00	3.59
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	453.848	-13.5	98	0.00	3.65
			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.196	0.218	-11.2	98	0.00	3.83
			Amount	Calc.	%Drift			
54		Methylcyclohexane	40.000	46.917	-17.3	99	0.00	3.85
			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: FA98468 **Sample:** V2P3568-CC3560
Account: BHATALB Bhate Environmental **Lab FileID:** 2P92657.D
Project: Griffiss AFB; Rome, NY

55		Dibromomethane	0.108	0.125	-15.7	98	0.00	4.05
56	C	1,2-Dichloropropane	0.185	0.215	-16.2	99	0.00	4.11
			Amount	Calc.	%Drift			
57		Bromodichloromethane	40.000	44.855	-12.1	97	0.00	4.15
58		Methyl methacrylate	40.000	43.018	-7.5	93	0.00	4.24
			AvgRF	CCRF	%Dev			
59		1,4-Dioxane	0.006	0.007	-16.7	102	0.00	4.26
60		2-Chloroethyl vinyl ether	0.154	0.171	-11.0	91	0.00	4.48
			Amount	Calc.	%Drift			
61		cis-1,3-Dichloropropene	40.000	44.984	-12.5	97	0.00	4.52
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00	5.64
63	S	Toluene-d8	1.376	1.300	5.5	88	0.00	4.65
64	C	Toluene	1.180	1.247	-5.7	99	0.00	4.68
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	208.440	-4.2	94	0.00	4.78
			AvgRF	CCRF	%Dev			
66		4-Methyl-2-pentanone	0.455	0.477	-4.8	99	0.00	4.89
			Amount	Calc.	%Drift			
67		trans-1,3-Dichloropropene	40.000	42.345	-5.9	97	0.00	4.92
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.251	0.277	-10.4	102	0.00	4.94
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	40.282	-0.7	92	0.00	5.03
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.202	0.218	-7.9	99	0.00	5.02
			Amount	Calc.	%Drift			
71		Dibromochloromethane	40.000	43.581	-9.0	100	0.00	5.15
			AvgRF	CCRF	%Dev			
72		1,3-Dichloropropane	0.449	0.477	-6.2	99	0.00	5.20
73		1,2-Dibromoethane	0.244	0.270	-10.7	100	0.00	5.30
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	2176.943	-8.8	100	0.00	5.42
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.511	0.555	-8.6	100	0.00	5.43
76		1-Chlorohexane	0.376	0.381	-1.3	95	0.00	5.65
77	C	Ethylbenzene	1.295	1.412	-9.0	101	0.00	5.68
78	P	Chlorobenzene	0.707	0.762	-7.8	101	0.00	5.66
			Amount	Calc.	%Drift			
79		1,1,1,2-Tetrachloroethane	40.000	43.041	-7.6	100	0.00	5.70
			AvgRF	CCRF	%Dev			
80		m,p-Xylene	1.024	1.109	-8.3	99	0.00	5.78
81		o-Xylene	1.008	1.091	-8.2	99	0.00	6.08

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: V2P3568-CC3560
Lab FileID: 2P92657.D

82		Styrene	0.771	0.863	-11.9	99	0.00	6.11
			Amount	Calc.	%Drift			
83	P	Bromoform	40.000	43.569	-8.9	102	0.00	6.12
			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.163	1.289	-10.8	100	0.00	6.31
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	7.33
86	S	4-Bromofluorobenzene	0.780	0.764	2.1	97	0.00	6.49
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	37.912	5.2	92	0.00	6.53
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	3.068	3.145	-2.5	99	0.00	6.61
89		Bromobenzene	0.620	0.653	-5.3	103	0.00	6.57
90	P	1,1,2,2-Tetrachloroethane	0.828	0.865	-4.5	100	0.00	6.63
91		1,3,5-Trimethylbenzene	2.136	2.231	-4.4	100	0.00	6.76
92		2-Chlorotoluene	1.851	1.879	-1.5	99	0.00	6.71
93		trans-1,4-Dichloro-2-Bute	0.355	0.360	-1.4	95	0.00	6.76
94		1,2,3-Trichloropropane	0.309	0.316	-2.3	100	0.00	6.72
95		Cyclohexanone	0.065	0.069	-6.2	104	0.00	6.74
96		4-Chlorotoluene	1.951	1.970	-1.0	100	0.00	6.83
97		tert-Butylbenzene	1.173	1.213	-3.4	99	0.00	7.00
98		a-Methyl styrene		----------NA----------				
99		1,2,4-Trimethylbenzene	2.083	2.162	-3.8	100	0.00	7.04
			Amount	Calc.	%Drift			
100		Pentachloroethane	40.000	41.706	-4.3	101	0.00	7.00
			AvgRF	CCRF	%Dev			
101		sec-Butylbenzene	2.271	2.403	-5.8	100	0.00	7.13
			Amount	Calc.	%Drift			
102		4-Isopropyltoluene	40.000	41.575	-3.9	102	0.00	7.25
			AvgRF	CCRF	%Dev			
103		1,3-Dichlorobenzene	1.114	1.171	-5.1	104	0.00	7.28
104		1,2,3-Trimethylbenzene	2.090	2.165	-3.6	100	0.00	7.37
105		1,4-Dichlorobenzene	1.164	1.197	-2.8	101	0.00	7.35
			Amount	Calc.	%Drift			
106		n-Butylbenzene	40.000	41.752	-4.4	102	0.00	7.56
107		Benzyl Chloride	40.000	40.483	-1.2	94	0.00	7.52
			AvgRF	CCRF	%Dev			
108		1,2-Dichlorobenzene	1.046	1.084	-3.6	101	0.00	7.65
			Amount	Calc.	%Drift			
109		1,2-Dibromo-3-Chloropropa	40.000	41.443	-3.6	102	0.00	8.20
110		Hexachlorobutadiene	40.000	43.374	-8.4	105	0.00	8.68
			AvgRF	CCRF	%Dev			
111		1,2,4-Trichlorobenzene	0.556	0.602	-8.3	104	0.00	8.68
			Amount	Calc.	%Drift			
112		Naphthalene	40.000	41.384	-3.5	102	0.00	8.88
			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3568-CC3560
Lab FileID: 2P92657.D

113	1,2,3-Trichlorobenzene	0.522	0.568	-8.8	106	0.00	9.01	

(#) = Out of Range SPCC's out = 0 CCC's out = 1
2P92271.D V2P_2022-08-24.M Tue Sep 06 11:44:43 2022

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3568-ECC3560
Lab FileID: 2P92701.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\jo...022\v2p3568\2P92701.D Vial: 74
Acq On : 6 Sep 2022 11:22 pm Operator: courtnef
Sample : ECC3560-5 Inst : MSVOA13
Misc : MS52327,V2P3568,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\met...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:29:43 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	85	0.00	3.72
		True	Calc.	% Drift			
2	Dichlorodifluoromethane	40.000	62.129	-55.3#	124	0.00	1.12
		AvgRF	CCRF	% Dev			
3 P	Chloromethane	0.153	0.205	-34.0	114	0.00	1.25
4	1,3-butadiene	0.142	0.153	-7.7	90	0.00	1.32
5 C	Vinyl Chloride	0.186	0.255	-37.1#	112	0.00	1.30
6	Bromomethane	0.115	0.123	-7.0	97	0.00	1.50
		True	Calc.	% Drift			
7	Chloroethane	40.000	47.022	-17.6	106	0.00	1.58
8	Trichlorofluoromethane	40.000	77.461	-93.7#	104	0.00	1.67
		AvgRF	CCRF	% Dev			
9	Ethyl Ether	0.174	0.199	-14.4	96	0.00	1.88
		True	Calc.	% Drift			
10	Ethanol	800.000	1011.839	-26.5	99	0.00	1.97
		AvgRF	CCRF	% Dev			
11	1,2-Dichlorotrifluoroetha	0.163	0.192	-17.8	96	0.00	1.97
12 C	1,1-Dichloroethene	0.238	0.274	-15.1	94	0.00	1.98
		True	Calc.	% Drift			
13	Freon 113	40.000	45.443	-13.6	91	0.00	2.01
14	Carbon Disulfide	40.000	40.069	-0.2	82	0.00	2.00
15	Iodomethane	40.000	55.269	-38.2	113	0.00	2.06
		AvgRF	CCRF	% Dev			
16	Acrolein	0.064	0.067	-4.7	87	0.00	2.15
17	Allyl chloride	0.171	0.176	-2.9	83	0.00	2.25
		True	Calc.	% Drift			
18	Methylene Chloride	40.000	42.720	-6.8	99	0.00	2.30
19	Acetone	200.000	220.057	-10.0	96	0.00	2.32
		AvgRF	CCRF	% Dev			
20	Methyl acetate	0.233	0.285	-22.3	102	0.00	2.40
21	trans-1,2-Dichloroethene	0.241	0.274	-13.7	95	0.00	2.40

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: V2P3568-ECC3560
Lab FileID: 2P92701.D

			True	Calc.	% Drift			
22		Hexane	40.000	43.322	-8.3	87	0.00	2.47
			AvgRF	CCRF	% Dev			
23		Methyl Tert Butyl Ether	0.549	0.636	-15.8	96	0.00	2.47
24		Tert Butyl Alcohol	0.068	0.076	-11.8	91	0.00	2.51
25		Acetonitrile	0.038	0.041	-7.9	100	0.00	2.55
26		Di-isopropyl ether	0.510	0.602	-18.0	99	0.00	2.69
27		Chloroprene	0.726	0.827	-13.9	98	0.00	2.73
28	P	1,1-Dichloroethane	0.317	0.364	-14.8	95	0.00	2.73
29		Acrylonitrile	0.115	0.130	-13.0	99	0.00	2.73
30		ETBE	0.597	0.698	-16.9	96	0.00	2.88
31		Vinyl acetate	0.411	0.448	-9.0	90	0.00	2.86
32		cis-1,2-Dichloroethene	0.189	0.212	-12.2	94	0.00	3.02
			True	Calc.	% Drift			
33		2,2-Dichloropropane	40.000	35.408	11.5	73	0.00	3.09
			AvgRF	CCRF	% Dev			
34		Bromochloromethane	0.085	0.094	-10.6	94	0.00	3.13
			True	Calc.	% Drift			
35		Cyclohexane	40.000	46.115	-15.3	95	0.00	3.16
			AvgRF	CCRF	% Dev			
36	C	Chloroform	0.318	0.370	-16.4	95	0.00	3.17
37		Ethyl acetate	0.311	0.360	-15.8	99	0.00	3.23
38		Tetrahydrofuran	0.119	0.140	-17.6	101	0.00	3.26
39	S	Dibromofluoromethane	0.213	0.218	-2.3	86	0.00	3.27
			True	Calc.	% Drift			
40		Carbon Tetrachloride	40.000	43.038	-7.6	89	0.00	3.27
41		1,1,1-Trichloroethane	40.000	44.684	-11.7	94	0.00	3.30
42		2-Butanone	200.000	220.733	-10.4	98	0.00	3.32
			AvgRF	CCRF	% Dev			
43		1,1-Dichloropropene	0.238	0.274	-15.1	94	0.00	3.37
			True	Calc.	% Drift			
44		tert-Butyl formate	200.000	218.033	-9.0	91	0.00	3.41
			AvgRF	CCRF	% Dev			
45		Propionitrile	0.061	0.071	-16.4	99	0.00	3.46
46		Methacrylonitrile	0.163	0.195	-19.6	98	0.00	3.49
47		Benzene	0.761	0.879	-15.5	97	0.00	3.50
48		TAME	0.543	0.644	-18.6	97	0.00	3.57
49	S	1,2-Dichloroethane-d4	0.295	0.306	-3.7	86	0.00	3.55
50		Isobutyl alcohol	0.031	0.039	-25.8	98	0.00	3.59
51		1,2-Dichloroethane	0.272	0.308	-13.2	94	0.00	3.59
			True	Calc.	% Drift			
52		Tert Amyl Alcohol	400.000	427.236	-6.8	90	0.00	3.65
			AvgRF	CCRF	% Dev			
53		Trichloroethene	0.196	0.217	-10.7	95	0.00	3.83
			True	Calc.	% Drift			
54		Methylcyclohexane	40.000	45.878	-14.7	94	0.00	3.85
			AvgRF	CCRF	% Dev			

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: V2P3568-ECC3560
Lab FileID: 2P92701.D

55		Dibromomethane	0.108	0.124	-14.8	95	0.00	4.05
56	C	1,2-Dichloropropane	0.185	0.218	-17.8	98	0.00	4.11
		----------	True	Calc.	% Drift	----------		
57		Bromodichloromethane	40.000	42.922	-7.3	90	0.00	4.14
58		Methyl methacrylate	40.000	45.843	-14.6	97	0.00	4.23
		----------	AvgRF	CCRF	% Dev	----------		
59		1,4-Dioxane	0.006	0.006	0.0	94	0.00	4.26
60		2-Chloroethyl vinyl ether	0.154	0.169	-9.7	89	0.00	4.48
		----------	True	Calc.	% Drift	----------		
61		cis-1,3-Dichloropropene	40.000	42.546	-6.4	89	0.00	4.52
		----------	AvgRF	CCRF	% Dev	----------		
62	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00	5.64
63	S	Toluene-d8	1.376	1.265	8.1	89	0.00	4.65
64	C	Toluene	1.180	1.178	0.2	97	0.00	4.68
		----------	True	Calc.	% Drift	----------		
65		2-Nitropropane	200.000	164.456	17.8	73	0.00	4.78
		----------	AvgRF	CCRF	% Dev	----------		
66		4-Methyl-2-pentanone	0.455	0.466	-2.4	100	0.00	4.89
		----------	True	Calc.	% Drift	----------		
67		trans-1,3-Dichloropropene	40.000	37.870	5.3	88	0.00	4.92
		----------	AvgRF	CCRF	% Dev	----------		
68		Tetrachloroethene	0.251	0.299	-19.1	114	0.00	4.94
		----------	True	Calc.	% Drift	----------		
69		Ethyl methacrylate	40.000	41.949	-4.9	99	0.00	5.03
		----------	AvgRF	CCRF	% Dev	----------		
70		1,1,2-Trichloroethane	0.202	0.208	-3.0	98	0.00	5.02
		----------	True	Calc.	% Drift	----------		
71		Dibromochloromethane	40.000	39.049	2.4	91	0.00	5.14
		----------	AvgRF	CCRF	% Dev	----------		
72		1,3-Dichloropropane	0.449	0.455	-1.3	98	0.00	5.20
73		1,2-Dibromoethane	0.244	0.259	-6.1	99	0.00	5.29
		----------	True	Calc.	% Drift	----------		
74		3,3-dimethyl-1-butanol	2000.000	1991.884	0.4	94	0.00	5.42
		----------	AvgRF	CCRF	% Dev	----------		
75		2-hexanone	0.511	0.526	-2.9	98	0.00	5.43
76		1-Chlorohexane	0.376	0.377	-0.3	97	0.00	5.65
77	C	Ethylbenzene	1.295	1.300	-0.4	96	0.00	5.68
78	P	Chlorobenzene	0.707	0.713	-0.8	98	0.00	5.66
		----------	True	Calc.	% Drift	----------		
79		1,1,1,2-Tetrachloroethane	40.000	40.578	-1.4	97	0.00	5.70
		----------	AvgRF	CCRF	% Dev	----------		
80		m,p-Xylene	1.024	1.035	-1.1	95	0.00	5.78
81		o-Xylene	1.008	1.028	-2.0	96	0.00	6.08

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3568-ECC3560
Lab FileID: 2P92701.D

82		Styrene	0.771	0.818	-6.1	97	0.00	6.11
			True	Calc.	% Drift			
83	P	Bromoform	40.000	36.561	8.6	85	0.00	6.12
			AvgRF	CCRF	% Dev			
84		Isopropylbenzene	1.163	1.213	-4.3	97	0.00	6.31
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00	7.33
86	S	4-Bromofluorobenzene	0.780	0.764	2.1	102	0.00	6.50
			True	Calc.	% Drift			
87		cis-1,4-Dichloro-2-butene	40.000	22.500	43.8	53	0.00	6.53
			AvgRF	CCRF	% Dev			
88		n-Propylbenzene	3.068	2.921	4.8	96	0.00	6.61
89		Bromobenzene	0.620	0.602	2.9	99	0.00	6.57
90	P	1,1,2,2-Tetrachloroethane	0.828	0.807	2.5	98	0.00	6.63
91		1,3,5-Trimethylbenzene	2.136	2.055	3.8	96	0.00	6.76
92		2-Chlorotoluene	1.851	1.755	5.2	96	0.00	6.71
93		trans-1,4-Dichloro-2-Bute	0.355	0.230	35.2	64	0.00	6.76
94		1,2,3-Trichloropropane	0.309	0.300	2.9	99	0.00	6.73
95		Cyclohexanone	0.065	0.065	0.0	101	0.00	6.74
96		4-Chlorotoluene	1.951	1.823	6.6	96	0.00	6.84
97		tert-Butylbenzene	1.173	1.132	3.5	97	0.00	6.99
98		a-Methyl styrene	0.000	0.000	0.0	0#	0.00	7.13
99		1,2,4-Trimethylbenzene	2.083	2.011	3.5	97	0.00	7.05
			True	Calc.	% Drift			
100		Pentachloroethane	40.000	32.107	19.7	78	0.00	7.00
			AvgRF	CCRF	% Dev			
101		sec-Butylbenzene	2.271	2.227	1.9	97	0.00	7.13
			True	Calc.	% Drift			
102		4-Isopropyltoluene	40.000	38.683	3.3	98	0.00	7.24
			AvgRF	CCRF	% Dev			
103		1,3-Dichlorobenzene	1.114	1.066	4.3	99	0.00	7.28
104		1,2,3-Trimethylbenzene	2.090	2.014	3.6	97	0.00	7.38
105		1,4-Dichlorobenzene	1.164	1.100	5.5	97	0.00	7.34
			True	Calc.	% Drift			
106		n-Butylbenzene	40.000	37.197	7.0	94	0.00	7.56
107		Benzyl Chloride	40.000	25.204	37.0	55	0.00	7.52
			AvgRF	CCRF	% Dev			
108		1,2-Dichlorobenzene	1.046	1.014	3.1	99	0.00	7.65
			True	Calc.	% Drift			
109		1,2-Dibromo-3-Chloropropa	40.000	36.010	10.0	90	0.00	8.21
110		Hexachlorobutadiene	40.000	38.419	4.0	95	0.00	8.69
			AvgRF	CCRF	% Dev			
111		1,2,4-Trichlorobenzene	0.556	0.543	2.3	98	0.00	8.68
			True	Calc.	% Drift			
112		Naphthalene	40.000	38.566	3.6	99	0.00	8.89
			AvgRF	CCRF	% Dev			

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3568-ECC3560
Lab FileID: 2P92701.D

113	1,2,3-Trichlorobenzene	0.522	0.523	-0.2	102	0.00	9.01

(#) = Out of Range SPCC's out = 0 CCC's out = 1
2P92271.D V2P_2022-08-24.M Wed Sep 07 02:20:59 2022

Initial Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1549-ICC1549
Lab FileID: 5E33986.D

Response Factor Report MSVOA20

Method : C:\msdchem\1\met...pIX09-06-2022_.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

Calibration Files
1 =5E33982.D 2 =5E33983.D 3 =5E33984.D 4 =5E33985.D
5 =5E33986.D 6 =5E33987.D 7 =5E33988.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	----------ISTD----------								
2) Dichlorodifluorom	0.208	0.217	0.208	0.219	0.214	0.210	0.216	0.213	2.11
3)P Chloromethane	0.299	0.274	0.270	0.282	0.277	0.269	0.276	0.278	3.63
4)C Vinyl Chloride	0.268	0.282	0.269	0.284	0.286	0.280	0.291	0.280	3.03
5) 1,3-Butadiene	1.807	0.413	0.409	0.291	0.265	0.245	0.240	0.524	108.85
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9955									
Response Ratio = 0.00000 + 0.29518 *A + -0.02945 *A^2									
6) Bromomethane	0.077	0.086	0.079	0.084	0.085	0.090	0.094	0.085	6.95
7) Chloroethane	0.224	0.184	0.166	0.172	0.153	0.146	0.148	0.170	16.12
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9984									
Response Ratio = 0.00000 + 0.16960 *A + -0.01269 *A^2									
8) Trichlorofluorome	0.323	0.319	0.303	0.331	0.327	0.330	0.339	0.325	3.49
9) Ethyl Ether	0.232	0.223	0.212	0.220	0.221	0.219	0.222	0.221	2.78
10) Ethanol			0.004	0.004	0.004	0.004	0.004	0.004	2.97
11) 1,2-Dichlorotrifl	0.291	0.239	0.235	0.244	0.250	0.246	0.251	0.251	7.44
12)C 1,1-Dichloroethen	0.384	0.378	0.379	0.380	0.391	0.384	0.392	0.384	1.49
13) Freon 113	0.206	0.193	0.204	0.196	0.212	0.214	0.220	0.206	4.72
14) Carbon Disulfide	0.826	0.690	0.644	0.644	0.651	0.633	0.648	0.677	10.08
15) Iodomethane			0.082	0.083	0.132	0.151	0.184	0.193	0.137	34.95
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9961									
Response Ratio = 0.00000 + 0.10716 *A + 0.04631 *A^2									
16) Acrolein	0.111	0.063	0.066	0.062	0.062	0.059	0.063	0.069	26.45
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9984									
Response Ratio = 0.00000 + 0.06322 *A + -0.00022 *A^2									
17) Allyl chloride	0.492	0.325	0.302	0.296	0.295	0.289	0.293	0.327	22.40
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995									
Response Ratio = 0.00000 + 0.30452 *A + -0.00734 *A^2									
18) Methylene Chlorid	1.949	0.724	0.476	0.384	0.370	0.347	0.346	0.657	89.14
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9972									
Response Ratio = 0.00000 + 0.39325 *A + -0.02528 *A^2									
19) Acetone	0.191	0.089	0.092	0.095	0.097	0.091	0.096	0.107	34.43
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9974									
Response Ratio = 0.00000 + 0.09535 *A + -0.00010 *A^2									
20) Methyl acetate	0.214	0.208	0.222	0.235	0.242	0.230	0.244	0.228	6.09
21) trans-1,2-Dichlor	0.384	0.370	0.363	0.373	0.379	0.370	0.380	0.374	1.92
22) Hexane	0.363	0.215	0.174	0.166	0.171	0.170	0.164	0.203	35.63
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9982									
Response Ratio = 0.00000 + 0.18210 *A + -0.00924 *A^2									

Initial Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: V5E1549-ICC1549
Lab FileID: 5E33986.D

23)	Methyl Tert Butyl	0.587	0.569	0.562	0.574	0.577	0.569	0.587	0.575	1.63
24)	Acetonitrile	0.055	0.035	0.037	0.037	0.038	0.036	0.038	0.040	17.77

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9988
Response Ratio = 0.00000 + 0.03675 *A + 0.00005 *A^2

25)	Di-isopropyl ethe	0.829	0.779	0.785	0.794	0.788	0.773	0.789	0.791	2.28
26)	Chloroprene		0.078	0.076	0.074	0.074	0.074	0.076	0.075	2.43
27)P	1,1-Dichloroethan	0.468	0.454	0.452	0.462	0.457	0.454	0.464	0.459	1.34
28)	Acrylonitrile	0.125	0.131	0.125	0.121	0.124	0.117	0.123	0.124	3.31
29)	ETBE	0.783	0.754	0.761	0.806	0.805	0.801	0.830	0.791	3.41
30)	Tert Butyl Alcoho	0.047	0.038	0.044	0.043	0.045	0.042	0.045	0.043	6.70
31)	Vinyl acetate	0.509	0.592	0.533	0.550	0.544	0.544	0.567	0.548	4.75
32)	cis-1,2-Dichloroe	0.254	0.243	0.239	0.246	0.242	0.237	0.245	0.244	2.26
33)	2,2-Dichloropropa	0.313	0.300	0.291	0.299	0.303	0.303	0.311	0.303	2.54
34)	Bromochloromethan	0.124	0.126	0.132	0.132	0.130	0.126	0.127	0.128	2.37
35)	Cyclohexane	0.524	0.412	0.427	0.415	0.434	0.434	0.444	0.442	8.65
36)C	Chloroform	0.431	0.391	0.392	0.401	0.399	0.388	0.395	0.400	3.63
37)	Ethyl acetate	0.292	0.319	0.315	0.320	0.321	0.310	0.313	0.313	3.21
38)	Tetrahydrofuran	0.195	0.127	0.108	0.103	0.104	0.099	0.101	0.120	28.97

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9988
Response Ratio = 0.00000 + 0.10930 *A + -0.00513 *A^2

39)S	Dibromofluorometh	0.289	0.288	0.285	0.286	0.284	0.288	0.288	0.287	0.62
40)	Carbon Tetrachlor	0.314	0.308	0.298	0.309	0.314	0.318	0.325	0.312	2.72
41)	1,1,1-Trichloroet	0.353	0.336	0.328	0.333	0.343	0.338	0.347	0.340	2.56
42)	2-Butanone	0.177	0.136	0.153	0.155	0.158	0.150	0.160	0.156	7.76
43)	1,1-Dichloroprope	0.307	0.282	0.280	0.286	0.296	0.295	0.302	0.292	3.45
44)	tert-Butyl format	0.111	0.063	0.069	0.073	0.074	0.078	0.085	0.079	19.69

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992
Response Ratio = 0.00000 + 0.06747 *A + 0.00085 *A^2

45)	Propionitrile	0.072	0.046	0.053	0.052	0.054	0.050	0.054	0.054	15.43

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9984
Response Ratio = 0.00000 + 0.05144 *A + 0.00007 *A^2

46)	Methacrylonitrile	0.290	0.188	0.195	0.195	0.200	0.194	0.207	0.210	17.00

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992
Response Ratio = 0.00000 + 0.19248 *A + 0.00058 *A^2

47)	Benzene	0.951	0.881	0.864	0.882	0.878	0.870	0.891	0.888	3.28
48)	TAME	0.581	0.559	0.562	0.596	0.595	0.604	0.617	0.588	3.68
49)S	1,2-Dichloroethan	0.301	0.294	0.286	0.290	0.285	0.297	0.302	0.294	2.30
50)	1,2-Dichloroethan	0.356	0.348	0.337	0.348	0.352	0.347	0.357	0.349	1.89
51)	tert Amyl alcohol	0.036	0.027	0.033	0.034	0.037	0.035	0.038	0.034	10.80
52)	Trichloroethene	0.270	0.244	0.241	0.242	0.244	0.240	0.250	0.247	4.20
53)	Methylcyclohexane	0.375	0.303	0.318	0.304	0.326	0.338	0.343	0.329	7.62
54)	Dibromomethane	0.130	0.154	0.151	0.161	0.155	0.155	0.162	0.153	7.08
55)C	1,2-Dichloropropa	0.273	0.264	0.267	0.272	0.270	0.267	0.277	0.270	1.60
56)	Bromodichlorometh	0.307	0.289	0.279	0.296	0.296	0.295	0.302	0.295	2.98
57)	Methyl methacryla	0.379	0.205	0.238	0.255	0.252	0.247	0.264	0.263	20.75

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9981
Response Ratio = 0.00000 + 0.24066 *A + 0.01031 *A^2

58)	1,4-Dioxane	0.002	0.003	0.004	0.004	0.004	0.004	0.004	0.003	19.54

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9984
Response Ratio = 0.00000 + 0.00369 *A + 0.00000 *A^2

59)	2-Chloroethyl vin	0.255	0.148	0.168	0.164	0.163	0.156	0.165	0.174	20.77

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987
Response Ratio = 0.00000 + 0.16247 *A + -0.00003 *A^2

Initial Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1549-ICC1549
Lab FileID: 5E33986.D

```
60)  cis-1,3-Dichlorop 0.298 0.310 0.319 0.339 0.340 0.345 0.359 0.330   6.57

61) I   Chlorobenzene-d5      ----------------ISTD--------------------
62)S Toluene-d8        1.275 1.310 1.332 1.304 1.301 1.276 1.274 1.296   1.70
63)C Toluene           1.467 1.341 1.308 1.306 1.310 1.258 1.285 1.325   5.09
64)  Isobutyl alcohol  0.030 0.017 0.022 0.021 0.023 0.022 0.024 0.023  16.62
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9979
              Response Ratio = 0.00000 + 0.02099 *A + 0.00007 *A^2

65)  2-Nitropropane    0.135 0.113 0.126 0.132 0.139 0.131 0.139 0.131   7.06
66)  4-Methyl-2-pentan 0.653 0.413 0.446 0.456 0.461 0.434 0.455 0.474  16.97
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
              Response Ratio = 0.00000 + 0.45087 *A + -0.00018 *A^2

67)  trans-1,3-Dichlor 0.284 0.339 0.352 0.381 0.387 0.390 0.400 0.362  11.27
68)  Tetrachloroethene 0.326 0.337 0.325 0.342 0.346 0.336 0.345 0.337   2.50
69)  Ethyl methacrylat 0.479 0.376 0.393 0.403 0.410 0.400 0.418 0.411   7.94
70)  1,1,2-Trichloroet 0.256 0.256 0.242 0.246 0.246 0.240 0.244 0.247   2.61
71)  Dibromochlorometh 0.354 0.356 0.348 0.357 0.362 0.356 0.366 0.357   1.62
72)  1,3-Dichloropropa 0.441 0.477 0.462 0.474 0.472 0.462 0.475 0.466   2.70
73)  1,2-Dibromoethane 0.276 0.320 0.307 0.316 0.320 0.311 0.320 0.310   5.15
74)  3,3-Dimethyl-1-bu 0.113 0.041 0.057 0.056 0.060 0.057 0.063 0.064  35.57
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9955
              Response Ratio = 0.00000 + 0.05450 *A + 0.00007 *A^2

75)  2-hexanone        0.346 0.283 0.320 0.334 0.339 0.319 0.343 0.326   6.65
76)  1-Chlorohexane    0.432 0.387 0.367 0.370 0.391 0.395 0.408 0.393   5.70
77)C Ethylbenzene      1.671 1.492 1.377 1.393 1.398 1.367 1.412 1.444   7.49
78)P Chlorobenzene     0.898 0.841 0.840 0.850 0.859 0.831 0.852 0.853   2.56
79)  1,1,1,2-Tetrachlo 0.286 0.314 0.307 0.322 0.328 0.319 0.327 0.315   4.61
80)  m,p-Xylene        1.192 1.097 1.069 1.070 1.094 1.067 1.100 1.098   3.98
81)  o-Xylene          1.197 1.088 1.051 1.078 1.092 1.058 1.089 1.093   4.43
82)  Styrene           0.781 0.833 0.802 0.847 0.873 0.844 0.872 0.836   4.09
83)P Bromoform         0.179 0.218 0.218 0.235 0.240 0.237 0.249 0.225  10.34
84)  Isopropylbenzene  1.392 1.284 1.282 1.312 1.346 1.295 1.341 1.322   3.05

85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
86)S 4-Bromofluorobenz 0.932 0.946 0.924 0.937 0.920 0.895 0.906 0.923   1.92
87)  cis-1,4-Dichloro- 0.132 0.212 0.261 0.276 0.286 0.263 0.294 0.246  23.13
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9975
              Response Ratio = 0.00000 + 0.25479 *A + 0.01746 *A^2

88)  n-Propylbenzene   3.582 3.179 3.075 3.153 3.120 3.034 3.132 3.182   5.75
89)  Bromobenzene      0.704 0.715 0.707 0.737 0.721 0.685 0.712 0.712   2.24
90)P 1,1,2,2-Tetrachlo 0.936 0.909 0.921 0.934 0.923 0.865 0.922 0.916   2.65
91)  1,3,5-Trimethylbe 2.459 2.265 2.196 2.270 2.258 2.165 2.253 2.267   4.13
92)  2-Chlorotoluene   2.361 2.242 2.041 2.112 2.059 1.976 2.059 2.121   6.30
93)  trans-1,4-Dichlor 0.132 0.212 0.261 0.276 0.286 0.263 0.294 0.246  23.13
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9975
              Response Ratio = 0.00000 + 0.25479 *A + 0.01746 *A^2

94)  1,2,3-Trichloropr 0.214 0.263 0.264 0.267 0.265 0.251 0.263 0.255   7.49
95)  Cyclohexanone           0.056 0.067 0.045 0.049 0.044 0.045 0.051  18.11
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9956
              Response Ratio = 0.00000 + 0.04808 *A + -0.00036 *A^2

96)  4-Chlorotoluene   2.243 1.930 1.908 1.910 1.872 1.807 1.879 1.935   7.30
97)  a-Methyl styrene                                           0.000  -1.00
98)  tert-Butylbenzene 1.533 1.220 1.193 1.173 1.182 1.128 1.181 1.230  11.10
```

Initial Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1549-ICC1549
Lab FileID: 5E33986.D

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 99)  1,2,4-Trimethylbe 2.328 2.188 2.128 2.208 2.215 2.128 2.210 2.201   3.07
100)  Pentachloroethane 0.419 0.355 0.360 0.382 0.378 0.374 0.392 0.380   5.61
101)  sec-Butylbenzene  2.794 2.534 2.404 2.483 2.545 2.460 2.578 2.542   4.92
102)  4-Isopropyltoluen 2.371 2.199 2.116 2.185 2.214 2.173 2.260 2.217   3.63
103)  1,3-Dichlorobenze 1.266 1.249 1.245 1.286 1.279 1.244 1.296 1.266   1.67
104)  1,2,3-Trimethylbe 2.493 2.203 2.180 2.240 2.210 2.139 2.222 2.241   5.17
105)  1,4-Dichlorobenze 1.266 1.343 1.299 1.360 1.328 1.293 1.343 1.319   2.57
106)  n-Butylbenzene    1.160 1.087 1.106 1.147 1.198 1.176 1.244 1.160   4.63
107)  Benzyl Chloride   0.185 0.236 0.275 0.321 0.343 0.362 0.392 0.302  24.38
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9993
               Response Ratio = 0.00000 + 0.28466 *A + 0.05491 *A^2

108)  1,2-Dichlorobenze 1.244 1.277 1.199 1.250 1.220 1.206 1.252 1.236   2.25
109)  1,2-Dibromo-3-Chl 0.082 0.139 0.154 0.166 0.168 0.160 0.174 0.149  21.21
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
               Response Ratio = 0.00000 + 0.15379 *A + 0.00916 *A^2

110)  Hexachlorobutadie 0.241 0.251 0.258 0.259 0.266 0.259 0.270 0.258   3.64
111)  1,2,4-Trichlorobe 0.751 0.756 0.723 0.789 0.808 0.790 0.820 0.776   4.45
112)  Naphthalene       3.004 2.525 2.538 2.712 2.754 2.645 2.755 2.705   6.00
113)  1,2,3-Trichlorobe 0.746 0.722 0.722 0.755 0.770 0.762 0.787 0.752   3.19
 ----------------------------------------------------------------------------
 (#) = Out of Range

          appIX09-06-2022_.M        Wed Sep 07 08:31:34 2022
```

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1549-ICV1549
Lab FileID: 5E33990.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\09-06-2022\5E33990.D Vial: 10
Acq On : 6 Sep 2022 5:52 pm Operator: courtnef
Sample : ICV1549-5 Inst : MSVOA20
Misc : MS52257,V5E1549,,,,, Multiplr: 1.00
MS Integration Params: ult...ll.p

Method : C:\msdchem\1\met...pIX09-06-2022_.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Wed Sep 07 08:25:02 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	103	0.00	8.95
2		Dichlorodifluoromethane	0.213	0.171	19.7	82	0.00	2.85
3	P	Chloromethane	0.278	0.259	6.8	96	0.00	3.22
4	C	Vinyl Chloride	0.280	0.257	8.2	93	0.00	3.37
			Amount	Calc.	%Drift			
5		1,3-Butadiene	40.000	47.439	-18.6	123	0.00	3.40
			AvgRF	CCRF	%Dev			
6		Bromomethane	0.085	0.090	-5.9	109	0.00	3.94
			Amount	Calc.	%Drift			
7		Chloroethane	40.000	35.693	10.8	96	0.00	4.15
			AvgRF	CCRF	%Dev			
8		Trichlorofluoromethane	0.325	0.306	5.8	96	0.00	4.38
9		Ethyl Ether	0.221	0.207	6.3	97	0.00	4.88
10		Ethanol	0.004	0.004	0.0	94	0.00	5.11
11		1,2-Dichlorotrifluoroetha	0.251	0.266	-6.0	110	0.00	5.15
12	C	1,1-Dichloroethene	0.384	0.378	1.6	99	0.00	5.16
13		Freon 113	0.206	0.191	7.3	93	0.00	5.21
14		Carbon Disulfide		----------NA----------				
			Amount	Calc.	%Drift			
15		Iodomethane	40.000	32.405	19.0	75	0.00	5.37
16		Acrolein	200.000	168.564	15.7	87	0.00	5.63
17		Allyl chloride	40.000	43.901	-9.8	114	0.00	5.82
18		Methylene Chloride	40.000	37.997	5.0	99	0.00	5.96
19		Acetone	200.000	196.326	1.8	99	0.00	6.02
			AvgRF	CCRF	%Dev			
20		Methyl acetate	0.228	0.224	1.8	95	0.00	6.18
21		trans-1,2-Dichloroethene	0.374	0.357	4.5	97	0.00	6.17
			Amount	Calc.	%Drift			
22		Hexane	40.000	35.323	11.7	93	0.00	6.26
			AvgRF	CCRF	%Dev			
23		Methyl Tert Butyl Ether	0.575	0.643	-11.8	115	0.00	6.30
			Amount	Calc.	%Drift			
24		Acetonitrile	400.000	371.532	7.1	93	0.00	6.62

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Project: Griffiss AFB; Rome, NY

Sample: V5E1549-ICV1549
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			AvgRF	CCRF	%Dev			
25		Di-isopropyl ether	0.791	0.772	2.4	101	0.00	6.76
26		Chloroprene	0.075	0.372	-396.0#	517#	0.00	6.91
27	P	1,1-Dichloroethane	0.459	0.471	-2.6	106	0.00	6.95
28		Acrylonitrile	0.124	0.114	8.1	95	0.00	7.00
29		ETBE	0.791	0.729	7.8	93	0.00	7.20
30		Tert Butyl Alcohol	0.043	0.040	7.0	91	0.00	6.40
31		Vinyl acetate	0.548	0.533	2.7	101	0.00	7.22
32		cis-1,2-Dichloroethene	0.244	0.240	1.6	102	0.00	7.58
33		2,2-Dichloropropane	0.303	0.270	10.9	92	0.00	7.71
34		Bromochloromethane	0.128	0.121	5.5	96	0.00	7.81
35		Cyclohexane	0.442	0.395	10.6	94	0.00	7.82
36	C	Chloroform	0.400	0.380	5.0	98	0.00	7.88
37		Ethyl acetate	0.313	0.305	2.6	98	0.00	7.98

			Amount	Calc.	%Drift			
38		Tetrahydrofuran	40.000	36.308	9.2	95	0.00	8.07

			AvgRF	CCRF	%Dev			
39	S	Dibromofluoromethane	0.287	0.289	-0.7	105	0.00	8.08
40		Carbon Tetrachloride	0.312	0.302	3.2	99	0.00	8.05
41		1,1,1-Trichloroethane	0.340	0.331	2.6	99	0.00	8.13
42		2-Butanone	0.156	0.151	3.2	98	0.00	8.21
43		1,1-Dichloropropene	0.292	0.274	6.2	95	0.00	8.26

			Amount	Calc.	%Drift			
44		tert-Butyl formate	400.000	323.828	19.0	82	0.00	8.35
45		Propionitrile	400.000	382.966	4.3	96	0.00	8.54
46		Methacrylonitrile	400.000	383.775	4.1	97	0.00	8.56

			AvgRF	CCRF	%Dev			
47		Benzene	0.888	0.846	4.7	99	0.00	8.52
48		TAME	0.588	0.743	-26.4#	128	0.00	8.61
49	S	1,2-Dichloroethane-d4	0.294	0.294	0.0	106	0.00	8.66
50		1,2-Dichloroethane	0.349	0.340	2.6	99	0.00	8.74
51		tert Amyl alcohol	0.034	0.032	5.9	88	0.00	8.79
52		Trichloroethene	0.247	0.234	5.3	99	0.00	9.13
53		Methylcyclohexane	0.329	0.313	4.9	99	0.00	9.13
54		Dibromomethane	0.153	0.151	1.3	100	0.00	9.58
55	C	1,2-Dichloropropane	0.270	0.253	6.3	96	0.00	9.68
56		Bromodichloromethane	0.295	0.293	0.7	102	0.00	9.73

			Amount	Calc.	%Drift			
57		Methyl methacrylate	40.000	40.010	-0.0	101	0.00	9.83
58		1,4-Dioxane	800.000	789.720	1.3	95	0.00	9.92
59		2-Chloroethyl vinyl ether	200.000	186.905	6.5	96	0.00	10.26

			AvgRF	CCRF	%Dev			
60		cis-1,3-Dichloropropene	0.330	0.326	1.2	98	0.00	10.36
61	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	12.11
62	S	Toluene-d8	1.296	1.289	0.5	103	0.00	10.55
63	C	Toluene	1.325	1.236	6.7	98	0.00	10.60

			Amount	Calc.	%Drift			
64		Isobutyl alcohol	800.000	765.520	4.3	94	0.00	8.68

			AvgRF	CCRF	%Dev			
65		2-Nitropropane	0.131	0.124	5.3	93	0.00	10.83

Initial Calibration Verification

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Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1549-ICV1549
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				Amount	Calc.	%Drift			
66		4-Methyl-2-pentanone		200.000	187.107	6.4	95	0.00	10.94
				AvgRF	CCRF	%Dev			
67		trans-1,3-Dichloropropene		0.362	0.396	-9.4	106	0.00	11.00
68		Tetrachloroethene		0.337	0.334	0.9	100	0.00	11.00
69		Ethyl methacrylate		0.411	0.388	5.6	98	0.00	11.10
70		1,1,2-Trichloroethane		0.247	0.238	3.6	100	0.00	11.16
71		Dibromochloromethane		0.357	0.339	5.0	97	0.00	11.36
72		1,3-Dichloropropane		0.466	0.432	7.3	95	0.00	11.45
73		1,2-Dibromoethane		0.310	0.308	0.6	100	0.00	11.63
				Amount	Calc.	%Drift			
74		3,3-Dimethyl-1-butanol		2000.000	1683.667	15.8	83	0.00	11.71
				AvgRF	CCRF	%Dev			
75		2-hexanone		0.326	0.311	4.6	95	0.00	11.77
76		1-Chlorohexane		0.393	0.371	5.6	99	0.00	12.06
77	C	Ethylbenzene		1.444	1.340	7.2	100	0.00	12.13
78	P	Chlorobenzene		0.853	0.826	3.2	100	0.00	12.13
79		1,1,1,2-Tetrachloroethane		0.315	0.318	-1.0	101	0.00	12.18
80		m,p-Xylene		1.098	1.036	5.6	99	0.00	12.26
81		o-Xylene		1.093	1.070	2.1	102	0.00	12.71
82		Styrene		0.836	0.834	0.2	99	0.00	12.76
83	P	Bromoform		0.225	0.235	-4.4	102	0.00	12.82
84		Isopropylbenzene		1.322	1.292	2.3	100	0.00	13.01
85	I	1,4-Dichlorobenzene-d4		1.000	1.000	0.0	102	0.00	14.47
86	S	4-Bromofluorobenzene		0.923	0.935	-1.3	103	0.00	13.33
				Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene		40.000	34.418	14.0	81	0.00	13.68
				AvgRF	CCRF	%Dev			
88		n-Propylbenzene		3.182	3.060	3.8	100	0.00	13.43
89		Bromobenzene		0.712	0.675	5.2	95	0.00	13.46
90	P	1,1,2,2-Tetrachloroethane		0.916	0.877	4.3	96	0.00	13.50
91		1,3,5-Trimethylbenzene		2.267	2.135	5.8	96	0.00	13.61
92		2-Chlorotoluene		2.121	2.009	5.3	99	0.00	13.62
				Amount	Calc.	%Drift			
93		trans-1,4-Dichloro-2-Bute		40.000	34.418	14.0	81	0.00	13.68
				AvgRF	CCRF	%Dev			
94		1,2,3-Trichloropropane		0.255	0.246	3.5	94	0.00	13.66
				Amount	Calc.	%Drift			
95		Cyclohexanone		200.000	162.934	18.5	80	0.00	13.74
				AvgRF	CCRF	%Dev			
96		4-Chlorotoluene		1.935	1.834	5.2	99	0.00	13.79
97		a-Methyl styrene			----------NA----------				
98		tert-Butylbenzene		1.230	1.154	6.2	99	0.00	13.95
99		1,2,4-Trimethylbenzene		2.201	2.156	2.0	99	0.00	14.02
100		Pentachloroethane		0.380	0.386	-1.6	104	0.00	14.01
101		sec-Butylbenzene		2.542	2.607	-2.6	104	0.00	14.13
102		4-Isopropyltoluene		2.217	2.206	0.5	101	0.00	14.26
103		1,3-Dichlorobenzene		1.266	1.274	-0.6	101	0.00	14.40
104		1,2,3-Trimethylbenzene		2.241	2.273	-1.4	104	0.00	14.47

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1549-ICV1549
Lab FileID: 5E33990.D

105	1,4-Dichlorobenzene	1.319	1.301	1.4	99	0.00	14.49
106	n-Butylbenzene	1.160	1.086	6.4	92	0.00	14.69
	----------	Amount	Calc.	%Drift	----------		
107	Benzyl Chloride	40.000	28.962	27.6#	68	0.00	14.71
	----------	AvgRF	CCRF	%Dev	----------		
108	1,2-Dichlorobenzene	1.236	1.206	2.4	100	0.00	14.90
	----------	Amount	Calc.	%Drift	----------		
109	1,2-Dibromo-3-Chloropropa	40.000	37.820	5.4	92	0.00	15.63
	----------	AvgRF	CCRF	%Dev	----------		
110	Hexachlorobutadiene	0.258	0.249	3.5	95	0.00	16.17
111	1,2,4-Trichlorobenzene	0.776	0.788	-1.5	99	0.00	16.22
112	Naphthalene	2.705	2.693	0.4	99	0.00	16.52
113	1,2,3-Trichlorobenzene	0.752	0.759	-0.9	100	0.00	16.69

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5E33986.D appIX09-06-2022_.M Wed Sep 07 08:30:45 2022

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1549-ICV1549
Lab FileID: 5E33991.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\09-06-2022\5E33991.D Vial: 11
Acq On : 6 Sep 2022 6:16 pm Operator: courtnef
Sample : ICV1549-4 Inst : MSVOA20
Misc : MS52257,V5E1549,,,,, Multiplr: 1.00
MS Integration Params: ult...ll.p

Method : C:\msdchem\1\met...pIX09-06-2022_.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Wed Sep 07 08:25:02 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00	8.95
2	Dichlorodifluoromethane		----------	NA	----------		
3 P	Chloromethane		----------	NA	----------		
4 C	Vinyl Chloride		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
5	1,3-Butadiene		----------	NA	----------		
	----------	AvgRF	CCRF	%Dev	----------		
6	Bromomethane		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
7	Chloroethane		----------	NA	----------		
	----------	AvgRF	CCRF	%Dev	----------		
8	Trichlorofluoromethane		----------	NA	----------		
9	Ethyl Ether		----------	NA	----------		
10	Ethanol		----------	NA	----------		
11	1,2-Dichlorotrifluoroetha		----------	NA	----------		
12 C	1,1-Dichloroethene		----------	NA	----------		
13	Freon 113		----------	NA	----------		
14	Carbon Disulfide	0.677	0.606	10.5	94	0.00	5.21
	----------	Amount	Calc.	%Drift	----------		
15	Iodomethane		----------	NA	----------		
16	Acrolein		----------	NA	----------		
17	Allyl chloride		----------	NA	----------		
18	Methylene Chloride		----------	NA	----------		
19	Acetone		----------	NA	----------		
	----------	AvgRF	CCRF	%Dev	----------		
20	Methyl acetate		----------	NA	----------		
21	trans-1,2-Dichloroethene		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
22	Hexane		----------	NA	----------		
	----------	AvgRF	CCRF	%Dev	----------		
23	Methyl Tert Butyl Ether		----------	NA	----------		
	----------	Amount	Calc.	%Drift	----------		
24	Acetonitrile		----------	NA	----------		

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1549-ICV1549
Lab FileID: 5E33991.D

			AvgRF	CCRF	%Dev			
25		Di-isopropyl ether		NA				
26		Chloroprene		NA				
27	P	1,1-Dichloroethane		NA				
28		Acrylonitrile		NA				
29		ETBE		NA				
30		Tert Butyl Alcohol		NA				
31		Vinyl acetate		NA				
32		cis-1,2-Dichloroethene		NA				
33		2,2-Dichloropropane		NA				
34		Bromochloromethane		NA				
35		Cyclohexane		NA				
36	C	Chloroform		NA				
37		Ethyl acetate		NA				

			Amount	Calc.	%Drift			
38		Tetrahydrofuran		NA				

			AvgRF	CCRF	%Dev			
39	S	Dibromofluoromethane	0.287	0.292	-1.7	102	0.00	8.08
40		Carbon Tetrachloride		NA				
41		1,1,1-Trichloroethane		NA				
42		2-Butanone		NA				
43		1,1-Dichloropropene		NA				

			Amount	Calc.	%Drift			
44		tert-Butyl formate		NA				
45		Propionitrile		NA				
46		Methacrylonitrile		NA				

			AvgRF	CCRF	%Dev			
47		Benzene		NA				
48		TAME		NA				
49	S	1,2-Dichloroethane-d4	0.294	0.296	-0.7	102	0.00	8.66
50		1,2-Dichloroethane		NA				
51		tert Amyl alcohol		NA				
52		Trichloroethene		NA				
53		Methylcyclohexane		NA				
54		Dibromomethane		NA				
55	C	1,2-Dichloropropane		NA				
56		Bromodichloromethane		NA				

			Amount	Calc.	%Drift			
57		Methyl methacrylate		NA				
58		1,4-Dioxane		NA				
59		2-Chloroethyl vinyl ether		NA				

			AvgRF	CCRF	%Dev			
60		cis-1,3-Dichloropropene		NA				
61	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00	12.12
62	S	Toluene-d8	1.296	1.287	0.7	100	0.00	10.54
63	C	Toluene		NA				

			Amount	Calc.	%Drift			
64		Isobutyl alcohol		NA				

			AvgRF	CCRF	%Dev			
65		2-Nitropropane		NA				

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1549-ICV1549
Lab FileID: 5E33991.D

			Amount	Calc.	%Drift			
66		4-Methyl-2-pentanone		NA				
			AvgRF	CCRF	%Dev			
67		trans-1,3-Dichloropropene		NA				
68		Tetrachloroethene		NA				
69		Ethyl methacrylate		NA				
70		1,1,2-Trichloroethane		NA				
71		Dibromochloromethane		NA				
72		1,3-Dichloropropane		NA				
73		1,2-Dibromoethane		NA				
			Amount	Calc.	%Drift			
74		3,3-Dimethyl-1-butanol		NA				
			AvgRF	CCRF	%Dev			
75		2-hexanone		NA				
76		1-Chlorohexane		NA				
77	C	Ethylbenzene		NA				
78	P	Chlorobenzene		NA				
79		1,1,1,2-Tetrachloroethane		NA				
80		m,p-Xylene		NA				
81		o-Xylene		NA				
82		Styrene		NA				
83	P	Bromoform		NA				
84		Isopropylbenzene		NA				
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00	14.47
86	S	4-Bromofluorobenzene	0.923	0.930	-0.8	102	0.00	13.33
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene		NA				
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene		NA				
89		Bromobenzene		NA				
90	P	1,1,2,2-Tetrachloroethane		NA				
91		1,3,5-Trimethylbenzene		NA				
92		2-Chlorotoluene		NA				
			Amount	Calc.	%Drift			
93		trans-1,4-Dichloro-2-Bute		NA				
			AvgRF	CCRF	%Dev			
94		1,2,3-Trichloropropane		NA				
			Amount	Calc.	%Drift			
95		Cyclohexanone		NA				
			AvgRF	CCRF	%Dev			
96		4-Chlorotoluene		NA				
97		a-Methyl styrene		NA				
98		tert-Butylbenzene		NA				
99		1,2,4-Trimethylbenzene		NA				
100		Pentachloroethane		NA				
101		sec-Butylbenzene		NA				
102		4-Isopropyltoluene		NA				
103		1,3-Dichlorobenzene		NA				
104		1,2,3-Trimethylbenzene		NA				

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1549-ICV1549
Lab FileID: 5E33991.D

105	1,4-Dichlorobenzene			NA	
106	n-Butylbenzene			NA	
		Amount	Calc.	%Drift	
107	Benzyl Chloride			NA	
		AvgRF	CCRF	%Dev	
108	1,2-Dichlorobenzene			NA	
		Amount	Calc.	%Drift	
109	1,2-Dibromo-3-Chloropropa			NA	
		AvgRF	CCRF	%Dev	
110	Hexachlorobutadiene			NA	
111	1,2,4-Trichlorobenzene			NA	
112	Naphthalene			NA	
113	1,2,3-Trichlorobenzene			NA	

(#) = Out of Range SPCC's out = 5 CCC's out = 6
5E33985.D appIX09-06-2022_.M Wed Sep 07 08:31:23 2022

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1550-CC1549
Lab FileID: 5E33993.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\09-07-2022\5E33993.D Vial: 2
Acq On : 7 Sep 2022 9:23 am Operator: courtnef
Sample : CC1549-5 Inst : MSVOA20
Misc : MS52257,V5E1550,,,,, Multiplr: 1.00
MS Integration Params: ult...ll.p

Method : C:\msdchem\1\met...pIX09-06-2022_.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Wed Sep 07 08:25:02 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	109	0.00	8.95
2		Dichlorodifluoromethane	0.213	0.236	-10.8	120	0.00	2.85
3	P	Chloromethane	0.278	0.289	-4.0	113	-0.01	3.21
4	C	Vinyl Chloride	0.280	0.314	-12.1	119	0.00	3.37
			Amount	Calc.	%Drift			
5		1,3-Butadiene	40.000	42.402	-6.0	117	0.00	3.40
			AvgRF	CCRF	%Dev			
6		Bromomethane	0.085	0.125	-47.1#	160	0.00	3.94
			Amount	Calc.	%Drift			
7		Chloroethane	40.000	41.758	-4.4	118	0.00	4.15
			AvgRF	CCRF	%Dev			
8		Trichlorofluoromethane	0.325	0.360	-10.8	120	0.00	4.38
9		Ethyl Ether	0.221	0.214	3.2	105	0.00	4.87
10		Ethanol	0.004	0.004	0.0	91	-0.01	5.09
11		1,2-Dichlorotrifluoroetha	0.251	0.259	-3.2	113	0.00	5.15
12	C	1,1-Dichloroethene	0.384	0.409	-6.5	114	0.00	5.17
13		Freon 113	0.206	0.239	-16.0	122	0.00	5.22
14		Carbon Disulfide	0.677	0.693	-2.4	115	0.00	5.21
			Amount	Calc.	%Drift			
15		Iodomethane	40.000	49.212	-23.0#	135	0.00	5.37
16		Acrolein	200.000	171.460	14.3	93	0.00	5.63
17		Allyl chloride	40.000	40.646	-1.6	111	0.00	5.82
18		Methylene Chloride	40.000	40.847	-2.1	112	0.00	5.96
19		Acetone	200.000	171.560	14.2	92	0.00	6.02
			AvgRF	CCRF	%Dev			
20		Methyl acetate	0.228	0.210	7.9	94	0.00	6.17
21		trans-1,2-Dichloroethene	0.374	0.388	-3.7	111	0.00	6.17
			Amount	Calc.	%Drift			
22		Hexane	40.000	42.535	-6.3	118	0.00	6.27
			AvgRF	CCRF	%Dev			
23		Methyl Tert Butyl Ether	0.575	0.574	0.2	108	0.00	6.30
			Amount	Calc.	%Drift			
24		Acetonitrile	400.000	355.834	11.0	94	0.00	6.61

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1550-CC1549
Lab FileID: 5E33993.D

			AvgRF	CCRF	%Dev			
25		Di-isopropyl ether	0.791	0.771	2.5	106	0.00	6.76
26		Chloroprene	0.075	0.077	-2.7	113	0.00	6.91
27	P	1,1-Dichloroethane	0.459	0.463	-0.9	110	0.00	6.95
28		Acrylonitrile	0.124	0.112	9.7	98	0.00	7.00
29		ETBE	0.791	0.822	-3.9	111	0.00	7.20
30		Tert Butyl Alcohol	0.043	0.037	14.0	89	0.00	6.40
31		Vinyl acetate	0.548	0.546	0.4	109	0.00	7.21
32		cis-1,2-Dichloroethene	0.244	0.244	0.0	110	0.00	7.58
33		2,2-Dichloropropane	0.303	0.321	-5.9	115	0.00	7.71
34		Bromochloromethane	0.128	0.131	-2.3	109	0.00	7.81
35		Cyclohexane	0.442	0.485	-9.7	121	0.00	7.82
36	C	Chloroform	0.400	0.399	0.3	109	0.00	7.88
37		Ethyl acetate	0.313	0.294	6.1	99	0.00	7.98

			Amount	Calc.	%Drift			
38		Tetrahydrofuran	40.000	32.794	18.0	91	0.00	8.07

			AvgRF	CCRF	%Dev			
39	S	Dibromofluoromethane	0.287	0.282	1.7	108	0.00	8.08
40		Carbon Tetrachloride	0.312	0.341	-9.3	118	0.00	8.05
41		1,1,1-Trichloroethane	0.340	0.359	-5.6	113	0.00	8.13
42		2-Butanone	0.156	0.133	14.7	92	0.00	8.20
43		1,1-Dichloropropene	0.292	0.306	-4.8	112	0.00	8.26

			Amount	Calc.	%Drift			
44		tert-Butyl formate	400.000	438.271	-9.6	120	0.00	8.35
45		Propionitrile	400.000	356.770	10.8	94	0.00	8.53
46		Methacrylonitrile	400.000	368.959	7.8	99	0.00	8.55

			AvgRF	CCRF	%Dev			
47		Benzene	0.888	0.891	-0.3	110	0.00	8.52
48		TAME	0.588	0.605	-2.9	110	0.00	8.61
49	S	1,2-Dichloroethane-d4	0.294	0.277	5.8	105	0.00	8.66
50		1,2-Dichloroethane	0.349	0.349	0.0	108	0.00	8.74
51		tert Amyl alcohol	0.034	0.030	11.8	87	0.00	8.79
52		Trichloroethene	0.247	0.249	-0.8	111	0.00	9.13
53		Methylcyclohexane	0.329	0.376	-14.3	125	0.00	9.13
54		Dibromomethane	0.153	0.156	-2.0	109	0.00	9.58
55	C	1,2-Dichloropropane	0.270	0.272	-0.7	109	0.00	9.68
56		Bromodichloromethane	0.295	0.295	0.0	108	0.00	9.73

			Amount	Calc.	%Drift			
57		Methyl methacrylate	40.000	38.578	3.6	103	0.00	9.84
58		1,4-Dioxane	800.000	683.063	14.6	86	0.00	9.92
59		2-Chloroethyl vinyl ether	200.000	176.658	11.7	95	0.00	10.26

			AvgRF	CCRF	%Dev			
60		cis-1,3-Dichloropropene	0.330	0.342	-3.6	109	0.00	10.35
61	I	Chlorobenzene-d5	1.000	1.000	0.0	108	0.00	12.12
62	S	Toluene-d8	1.296	1.305	-0.7	108	0.00	10.54
63	C	Toluene	1.325	1.334	-0.7	110	0.00	10.60

			Amount	Calc.	%Drift			
64		Isobutyl alcohol	800.000	688.810	13.9	88	0.00	8.67

			AvgRF	CCRF	%Dev			
65		2-Nitropropane	0.131	0.123	6.1	96	0.00	10.83

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: V5E1550-CC1549
Lab FileID: 5E33993.D

			Amount	Calc.	%Drift			
66		4-Methyl-2-pentanone	200.000	177.661	11.2	94	0.00	10.94
			AvgRF	CCRF	%Dev			
67		trans-1,3-Dichloropropene	0.362	0.395	-9.1	110	0.00	11.00
68		Tetrachloroethene	0.337	0.366	-8.6	114	0.00	11.00
69		Ethyl methacrylate	0.411	0.397	3.4	104	0.00	11.10
70		1,1,2-Trichloroethane	0.247	0.243	1.6	106	0.00	11.16
71		Dibromochloromethane	0.357	0.366	-2.5	109	0.00	11.36
72		1,3-Dichloropropane	0.466	0.472	-1.3	108	0.00	11.45
73		1,2-Dibromoethane	0.310	0.315	-1.6	106	0.00	11.63
			Amount	Calc.	%Drift			
74		3,3-Dimethyl-1-butanol	2000.000	1549.242	22.5#	79	0.00	11.71
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.326	0.287	12.0	91	0.00	11.77
76		1-Chlorohexane	0.393	0.419	-6.6	116	0.00	12.06
77	C	Ethylbenzene	1.444	1.443	0.1	111	0.00	12.13
78	P	Chlorobenzene	0.853	0.869	-1.9	109	0.00	12.13
79		1,1,1,2-Tetrachloroethane	0.315	0.328	-4.1	108	0.00	12.18
80		m,p-Xylene	1.098	1.112	-1.3	110	0.00	12.26
81		o-Xylene	1.093	1.115	-2.0	110	0.00	12.71
82		Styrene	0.836	0.873	-4.4	108	0.00	12.76
83	P	Bromoform	0.225	0.234	-4.0	105	0.00	12.82
84		Isopropylbenzene	1.322	1.376	-4.1	110	0.00	13.01
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	14.47
86	S	4-Bromofluorobenzene	0.923	0.910	1.4	105	0.00	13.33
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	38.838	2.9	97	0.00	13.68
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	3.182	3.258	-2.4	111	0.00	13.43
89		Bromobenzene	0.712	0.741	-4.1	109	0.00	13.46
90	P	1,1,2,2-Tetrachloroethane	0.916	0.885	3.4	102	0.00	13.50
91		1,3,5-Trimethylbenzene	2.267	2.337	-3.1	110	0.00	13.61
92		2-Chlorotoluene	2.121	2.104	0.8	108	0.00	13.62
			Amount	Calc.	%Drift			
93		trans-1,4-Dichloro-2-Bute	40.000	38.838	2.9	97	0.00	13.68
			AvgRF	CCRF	%Dev			
94		1,2,3-Trichloropropane	0.255	0.253	0.8	101	0.00	13.66
			Amount	Calc.	%Drift			
95		Cyclohexanone	200.000	173.256	13.4	88	0.00	13.74
			AvgRF	CCRF	%Dev			
96		4-Chlorotoluene	1.935	1.910	1.3	108	0.00	13.79
97		a-Methyl styrene		----------NA----------				
98		tert-Butylbenzene	1.230	1.225	0.4	110	0.00	13.95
99		1,2,4-Trimethylbenzene	2.201	2.249	-2.2	108	0.00	14.02
100		Pentachloroethane	0.380	0.404	-6.3	113	0.00	14.01
101		sec-Butylbenzene	2.542	2.664	-4.8	111	0.00	14.13
102		4-Isopropyltoluene	2.217	2.335	-5.3	112	0.00	14.26
103		1,3-Dichlorobenzene	1.266	1.317	-4.0	109	0.00	14.40
104		1,2,3-Trimethylbenzene	2.241	2.252	-0.5	108	0.00	14.47

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1550-CC1549
Lab FileID: 5E33993.D

105	1,4-Dichlorobenzene	1.319	1.369	-3.8	109	0.00	14.49
106	n-Butylbenzene	1.160	1.254	-8.1	111	0.00	14.69
	----------	Amount	Calc.	%Drift	----------		
107	Benzyl Chloride	40.000	42.046	-5.1	107	0.00	14.71
	----------	AvgRF	CCRF	%Dev	----------		
108	1,2-Dichlorobenzene	1.236	1.274	-3.1	111	0.00	14.90
	----------	Amount	Calc.	%Drift	----------		
109	1,2-Dibromo-3-Chloropropa	40.000	37.690	5.8	96	0.00	15.63
	----------	AvgRF	CCRF	%Dev	----------		
110	Hexachlorobutadiene	0.258	0.289	-12.0	115	0.00	16.17
111	1,2,4-Trichlorobenzene	0.776	0.824	-6.2	108	0.00	16.22
112	Naphthalene	2.705	2.616	3.3	101	0.00	16.52
113	1,2,3-Trichlorobenzene	0.752	0.775	-3.1	107	0.00	16.69

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5E33986.D appIX09-06-2022_.M Wed Sep 07 09:42:16 2022

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1550-ECC1549
Lab FileID: 5E34020.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\An...022\V5E1550\5E34020.d Vial: 29
Acq On : 7 Sep 2022 7:56 pm Operator: courtnef
Sample : ECC1549-5 Inst : MSVOA20
Misc : MS52327,V5E1550,,,,, Multiplr: 1.00
MS Integration Params: ult...ll.p

Method : C:\msdchem\1\met...pIX09-06-2022_.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Wed Sep 07 08:25:02 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	87	0.00	8.95
2	Dichlorodifluoromethane	0.213	0.230	-8.0	94	0.00	2.85
3 P	Chloromethane	0.278	0.282	-1.4	88	-0.01	3.21
4 C	Vinyl Chloride	0.280	0.295	-5.4	89	0.00	3.37
	----------	True	Calc.	% Drift	----------		
5	1,3-Butadiene	40.000	39.241	1.9	87	0.00	3.40
	----------	AvgRF	CCRF	% Dev	----------		
6	Bromomethane	0.085	0.107	-25.9	110	0.00	3.94
	----------	True	Calc.	% Drift	----------		
7	Chloroethane	40.000	42.515	-6.3	96	0.00	4.15
	----------	AvgRF	CCRF	% Dev	----------		
8	Trichlorofluoromethane	0.325	0.356	-9.5	95	0.00	4.38
9	Ethyl Ether	0.221	0.214	3.2	84	0.00	4.87
10	Ethanol	0.004	0.003	25.0	61	-0.01	5.09
11	1,2-Dichlorotrifluoroetha	0.251	0.261	-4.0	91	0.00	5.15
12 C	1,1-Dichloroethene	0.384	0.401	-4.4	89	0.00	5.16
13	Freon 113	0.206	0.238	-15.5	97	0.00	5.22
14	Carbon Disulfide	0.677	0.637	5.9	85	0.00	5.21
	----------	True	Calc.	% Drift	----------		
15	Iodomethane	40.000	52.979	-32.4	119	0.00	5.37
16	Acrolein	200.000	159.831	20.1	70	0.00	5.63
17	Allyl chloride	40.000	37.363	6.6	82	0.00	5.82
18	Methylene Chloride	40.000	42.162	-5.4	92	0.00	5.96
19	Acetone	200.000	174.398	12.8	74	0.00	6.02
	----------	AvgRF	CCRF	% Dev	----------		
20	Methyl acetate	0.228	0.217	4.8	78	0.00	6.17
21	trans-1,2-Dichloroethene	0.374	0.378	-1.1	87	0.00	6.17
	----------	True	Calc.	% Drift	----------		
22	Hexane	40.000	47.818	-19.5	105	0.00	6.27
	----------	AvgRF	CCRF	% Dev	----------		
23	Methyl Tert Butyl Ether	0.575	0.574	0.2	86	0.00	6.30
	----------	True	Calc.	% Drift	----------		
24	Acetonitrile	400.000	343.433	14.1	72	0.00	6.61

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1550-ECC1549
Lab FileID: 5E34020.D

			AvgRF	CCRF	% Dev			
25		Di-isopropyl ether	0.791	0.783	1.0	86	0.00	6.76
26		Chloroprene	0.075	0.073	2.7	86	0.00	6.91
27	P	1,1-Dichloroethane	0.459	0.457	0.4	87	0.00	6.95
28		Acrylonitrile	0.124	0.114	8.1	80	0.00	7.00
29		ETBE	0.791	0.812	-2.7	88	0.00	7.20
30		Tert Butyl Alcohol	0.043	0.037	14.0	70	0.00	6.40
31		Vinyl acetate	0.548	0.515	6.0	82	0.00	7.21
32		cis-1,2-Dichloroethene	0.244	0.239	2.0	86	0.00	7.58
33		2,2-Dichloropropane	0.303	0.270	10.9	77	0.00	7.71
34		Bromochloromethane	0.128	0.131	-2.3	88	0.00	7.81
35		Cyclohexane	0.442	0.476	-7.7	95	0.00	7.82
36	C	Chloroform	0.400	0.400	0.0	87	0.00	7.88
37		Ethyl acetate	0.313	0.293	6.4	79	0.00	7.98

			True	Calc.	% Drift			
38		Tetrahydrofuran	40.000	34.068	14.8	75	0.00	8.07

			AvgRF	CCRF	% Dev			
39	S	Dibromofluoromethane	0.287	0.287	0.0	88	0.00	8.08
40		Carbon Tetrachloride	0.312	0.343	-9.9	95	0.00	8.05
41		1,1,1-Trichloroethane	0.340	0.358	-5.3	90	0.00	8.12
42		2-Butanone	0.156	0.133	14.7	73	0.00	8.20
43		1,1-Dichloropropene	0.292	0.301	-3.1	88	0.00	8.26

			True	Calc.	% Drift			
44		tert-Butyl formate	400.000	397.635	0.6	86	0.00	8.35
45		Propionitrile	400.000	346.710	13.3	73	0.00	8.54
46		Methacrylonitrile	400.000	355.303	11.2	76	0.00	8.55

			AvgRF	CCRF	% Dev			
47		Benzene	0.888	0.871	1.9	86	0.00	8.52
48		TAME	0.588	0.589	-0.2	86	0.00	8.61
49	S	1,2-Dichloroethane-d4	0.294	0.285	3.1	86	0.00	8.66
50		1,2-Dichloroethane	0.349	0.352	-0.9	87	0.00	8.74
51		tert Amyl alcohol	0.034	0.029	14.7	68	0.00	8.79
52		Trichloroethene	0.247	0.245	0.8	87	0.00	9.13
53		Methylcyclohexane	0.329	0.359	-9.1	95	0.00	9.13
54		Dibromomethane	0.153	0.153	0.0	85	0.00	9.58
55	C	1,2-Dichloropropane	0.270	0.264	2.2	85	0.00	9.67
56		Bromodichloromethane	0.295	0.291	1.4	85	0.00	9.72

			True	Calc.	% Drift			
57		Methyl methacrylate	40.000	35.807	10.5	76	0.00	9.84
58		1,4-Dioxane	800.000	691.325	13.6	70	0.00	9.91
59		2-Chloroethyl vinyl ether	200.000	170.050	15.0	73	0.00	10.26

			AvgRF	CCRF	% Dev			
60		cis-1,3-Dichloropropene	0.330	0.318	3.6	81	0.00	10.36
61	I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00	12.12
62	S	Toluene-d8	1.296	1.291	0.4	87	0.00	10.54
63	C	Toluene	1.325	1.275	3.8	85	0.00	10.60

			True	Calc.	% Drift			
64		Isobutyl alcohol	800.000	648.953	18.9	67	0.00	8.68

			AvgRF	CCRF	% Dev			
65		2-Nitropropane	0.131	0.117	10.7	74	0.00	10.83

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1550-ECC1549
Lab FileID: 5E34020.D

			True	Calc.	% Drift			
66		4-Methyl-2-pentanone	200.000	172.258	13.9	74	0.00	10.94
			AvgRF	CCRF	% Dev			
67		trans-1,3-Dichloropropene	0.362	0.363	-0.3	82	0.00	11.00
68		Tetrachloroethene	0.337	0.383	-13.6	97	0.00	11.00
69		Ethyl methacrylate	0.411	0.364	11.4	78	0.00	11.10
70		1,1,2-Trichloroethane	0.247	0.233	5.7	83	0.00	11.16
71		Dibromochloromethane	0.357	0.359	-0.6	87	0.00	11.36
72		1,3-Dichloropropane	0.466	0.457	1.9	85	0.00	11.45
73		1,2-Dibromoethane	0.310	0.306	1.3	84	0.00	11.63
			True	Calc.	% Drift			
74		3,3-Dimethyl-1-butanol	2000.000	1508.097	24.6	63	0.00	11.71
			AvgRF	CCRF	% Dev			
75		2-hexanone	0.326	0.278	14.7	72	0.00	11.77
76		1-Chlorohexane	0.393	0.390	0.8	87	0.00	12.06
77	C	Ethylbenzene	1.444	1.375	4.8	86	0.00	12.13
78	P	Chlorobenzene	0.853	0.845	0.9	86	0.00	12.13
79		1,1,1,2-Tetrachloroethane	0.315	0.325	-3.2	87	0.00	12.18
80		m,p-Xylene	1.098	1.070	2.6	86	0.00	12.26
81		o-Xylene	1.093	1.058	3.2	85	0.00	12.71
82		Styrene	0.836	0.838	-0.2	84	0.00	12.76
83	P	Bromoform	0.225	0.227	-0.9	83	0.00	12.82
84		Isopropylbenzene	1.322	1.314	0.6	85	0.00	13.01
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00	14.47
86	S	4-Bromofluorobenzene	0.923	0.903	2.2	85	0.00	13.33
			True	Calc.	% Drift			
87		cis-1,4-Dichloro-2-butene	40.000	33.414	16.5	68	0.00	13.68
			AvgRF	CCRF	% Dev			
88		n-Propylbenzene	3.182	3.059	3.9	85	0.00	13.43
89		Bromobenzene	0.712	0.716	-0.6	86	0.00	13.46
90	P	1,1,2,2-Tetrachloroethane	0.916	0.823	10.2	78	0.00	13.50
91		1,3,5-Trimethylbenzene	2.267	2.237	1.3	86	0.00	13.61
92		2-Chlorotoluene	2.121	2.021	4.7	85	0.00	13.62
			True	Calc.	% Drift			
93		trans-1,4-Dichloro-2-Bute	40.000	33.414	16.5	68	0.00	13.68
			AvgRF	CCRF	% Dev			
94		1,2,3-Trichloropropane	0.255	0.250	2.0	82	0.00	13.66
			True	Calc.	% Drift			
95		Cyclohexanone	200.000	174.711	12.6	73	0.00	13.74
			AvgRF	CCRF	% Dev			
96		4-Chlorotoluene	1.935	1.779	8.1	83	0.00	13.79
97		a-Methyl styrene		----------NA----------				
98		tert-Butylbenzene	1.230	1.185	3.7	87	0.00	13.95
99		1,2,4-Trimethylbenzene	2.201	2.166	1.6	85	0.00	14.02
100		Pentachloroethane	0.380	0.316	16.8	73	0.00	14.01
101		sec-Butylbenzene	2.542	2.555	-0.5	87	0.00	14.13
102		4-Isopropyltoluene	2.217	2.207	0.5	87	0.00	14.26
103		1,3-Dichlorobenzene	1.266	1.261	0.4	86	0.00	14.40
104		1,2,3-Trimethylbenzene	2.241	2.167	3.3	85	0.00	14.47

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V5E1550-ECC1549
Lab FileID: 5E34020.D

105	1,4-Dichlorobenzene	1.319	1.328	-0.7	87	0.00	14.49
106	n-Butylbenzene	1.160	1.109	4.4	80	0.00	14.69
	----------	True	Calc.	% Drift	----------		
107	Benzyl Chloride	40.000	30.679	23.3	62	0.00	14.71
	----------	AvgRF	CCRF	% Dev	----------		
108	1,2-Dichlorobenzene	1.236	1.235	0.1	88	0.00	14.90
	----------	True	Calc.	% Drift	----------		
109	1,2-Dibromo-3-Chloropropa	40.000	35.646	10.9	74	0.00	15.63
	----------	AvgRF	CCRF	% Dev	----------		
110	Hexachlorobutadiene	0.258	0.268	-3.9	88	0.00	16.17
111	1,2,4-Trichlorobenzene	0.776	0.790	-1.8	85	0.00	16.22
112	Naphthalene	2.705	2.574	4.8	81	0.00	16.52
113	1,2,3-Trichlorobenzene	0.752	0.770	-2.4	87	0.00	16.69

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5E33986.D appIX09-06-2022_.M Wed Sep 07 22:09:07 2022

Initial Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICC2666
Lab FileID: Y64315.D

Response Factor Report MSVOA14-Y

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

Calibration Files
1 =Y64311.D 2 =Y64312.D 3 =Y64313.D 4 =Y64314.D
5 =Y64315.D 6 =Y64316.D 7 =Y64317.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	----------ISTD----------								
2) Dichlorodifluorom	0.282	0.298	0.296	0.281	0.279	0.294	0.302	0.290	3.25
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9997									
Response Ratio = 0.00000 + 0.27760 *A + 0.01180 *A^2									
3) Acrolein	0.038	0.062	0.058	0.066	0.077	0.079	0.082	0.066	22.90
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9985									
Response Ratio = 0.00000 + 0.06418 *A + 0.00187 *A^2									
4)P Chloromethane	0.333	0.328	0.334	0.298	0.284	0.303	0.300	0.311	6.45
5) 1,3-butadiene	0.242	0.284	0.278	0.300	0.307	0.288	0.289	0.284	7.30
6)C Vinyl Chloride	0.390	0.341	0.364	0.323	0.314	0.351	0.354	0.348	7.33
7) Bromomethane	0.050	0.059	0.061	0.077	0.080	0.092	0.070	22.27	
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9982									
Response Ratio = 0.00000 + 0.05652 *A + 0.01764 *A^2									
8) Chloroethane	0.224	0.221	0.232	0.154	0.119	0.122	0.114	0.169	32.06
---- Linear regr., Force(0,0) ---- Coefficient = 0.9900									
Response Ratio = 0.00000 + 0.11905 *A									
9) Trichlorofluorome	0.353	0.376	0.379	0.357	0.363	0.448	0.294	0.367	12.38
10) Ethyl Ether	0.215	0.260	0.225	0.213	0.220	0.228	0.233	0.228	6.95
11) Ethanol	0.003	0.004	0.006	0.007	0.008	0.009	0.006	37.19	
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9958									
Response Ratio = 0.00000 + 0.00487 *A + 0.00011 *A^2									
12) 1,2-Dichlorotrifl	0.247	0.280	0.244	0.240	0.243	0.251	0.257	0.252	5.48
13)C 1,1-Dichloroethen	0.330	0.351	0.329	0.330	0.332	0.353	0.360	0.341	3.97
14) Freon 113	0.225	0.257	0.225	0.227	0.233	0.250	0.242	0.237	5.43
15) Carbon Disulfide	0.627	0.642	0.611	0.616	0.651	0.687	0.703	0.648	5.41
16) Iodomethane	0.024	0.033	0.042	0.061	0.073	0.071	0.050	40.63	
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9909									
Response Ratio = 0.00000 + 0.05187 *A + 0.01029 *A^2									
17) Allyl chloride	0.209	0.285	0.286	0.318	0.349	0.330	0.343	0.303	15.97
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987									
Response Ratio = 0.00000 + 0.31033 *A + 0.01699 *A^2									
18) Methylene Chlorid	2.254	0.748	0.488	0.432	0.400	0.384	0.373	0.725	94.60
---- Linear regr., Force(0,0) ---- Coefficient = 0.9988									
Response Ratio = 0.00000 + 0.40584 *A									
19) Acetone	0.210	0.135	0.149	0.143	0.135	0.158	0.157	0.155	16.64
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9982									
Response Ratio = 0.00000 + 0.13772 *A + 0.00208 *A^2									

Initial Calibration Summary

Job Number: FA98468 **Sample:** VY2666-ICC2666
Account: BHATALB Bhate Environmental **Lab FileID:** Y64315.D
Project: Griffiss AFB; Rome, NY

20)	Methyl acetate	0.257	0.334	0.320	0.317	0.328	0.359	0.362	0.325	10.71
21)	trans-1,2-Dichlor	0.311	0.354	0.357	0.328	0.334	0.349	0.346	0.340	4.84
22)	Hexane	0.129	0.189	0.176	0.190	0.200	0.199	0.200	0.183	13.82
23)	Methyl Tert Butyl	0.868	0.809	0.754	0.730	0.758	0.782	0.779	0.783	5.75
24)	Tert Butyl Alcoho	0.065	0.077	0.075	0.079	0.083	0.098	0.101	0.083	15.43

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992
Response Ratio = 0.00000 + 0.07343 *A + 0.00147 *A^2

25)	Acetonitrile	0.037	0.058	0.058	0.062	0.068	0.072	0.073	0.061	20.37

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993
Response Ratio = 0.00000 + 0.06006 *A + 0.00070 *A^2

26)	Di-isopropyl ethe	0.817	0.872	0.809	0.796	0.817	0.854	0.856	0.832	3.44
27)	Chloroprene		0.058	0.051	0.063	0.068	0.066	0.071	0.063	11.38

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9980
Response Ratio = 0.00000 + 0.05941 *A + 0.00558 *A^2

28)P	1,1-Dichloroethan	0.419	0.481	0.432	0.438	0.426	0.451	0.450	0.442	4.63
29)	Acrylonitrile	0.046	0.180	0.160	0.190	0.164	0.190	0.190	0.160	32.30

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9970
Response Ratio = 0.00000 + 0.16656 *A + 0.00251 *A^2

30)	ETBE	0.824	0.896	0.799	0.788	0.786	0.849	0.860	0.829	4.98
31)	Vinyl acetate	0.284	0.670	0.611	0.700	0.653	0.740	0.759	0.631	25.52

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987
Response Ratio = 0.00000 + 0.62521 *A + 0.01400 *A^2

32)	cis-1,2-Dichloroe	0.289	0.303	0.276	0.268	0.272	0.283	0.281	0.282	4.24
33)	2,2-Dichloropropa	0.323	0.395	0.359	0.359	0.370	0.382	0.379	0.367	6.37
34)	Bromochloromethan	0.147	0.143	0.128	0.127	0.125	0.126	0.125	0.132	7.08
35)	Cyclohexane	0.429	0.523	0.458	0.485	0.500	0.503	0.514	0.487	6.81
36)C	Chloroform	0.427	0.459	0.451	0.436	0.433	0.452	0.430	0.441	2.85
37)	Ethyl acetate	0.355	0.567	0.466	0.530	0.466	0.535	0.511	0.490	14.32

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9970
Response Ratio = 0.00000 + 0.49606 *A + 0.00222 *A^2

38)	Tetrahydrofuran	0.257	0.220	0.178	0.189	0.183	0.195	0.195	0.202	13.67
39)S	Dibromofluorometh	0.214	0.222	0.224	0.226	0.227	0.230	0.226	0.224	2.24
40)	Carbon Tetrachlor	0.239	0.329	0.285	0.296	0.301	0.311	0.312	0.296	9.65
41)	1,1,1-Trichloroet	0.358	0.429	0.386	0.371	0.375	0.393	0.389	0.386	5.86
42)	2-Butanone	0.314	0.240	0.260	0.253	0.239	0.281	0.284	0.267	10.16
43)	1,1-Dichloroprope	0.300	0.395	0.340	0.351	0.349	0.367	0.360	0.352	8.15
44)	tert-Butyl format	0.210	0.215	0.182	0.217	0.249	0.246	0.263	0.226	12.37
45)	Propionitrile	0.056	0.075	0.078	0.081	0.086	0.091	0.097	0.080	16.55

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9999
Response Ratio = 0.00000 + 0.07593 *A + 0.00105 *A^2

46)	Methacrylonitrile	0.196	0.258	0.250	0.262	0.283	0.303	0.334	0.269	16.14

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998
Response Ratio = 0.00000 + 0.24180 *A + 0.00457 *A^2

47)	Benzene	1.097	1.239	1.160	1.115	1.098	1.154	1.144	1.144	4.29
48)	TAME	0.858	0.878	0.790	0.765	0.766	0.805	0.807	0.810	5.35
49)S	1,2-Dichloroethan	0.269	0.280	0.284	0.270	0.269	0.270	0.273	0.274	2.18
50)	Isobutyl Alcohol	0.010	0.017	0.018	0.021	0.025	0.028	0.030	0.021	32.08

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9991
Response Ratio = 0.00000 + 0.01881 *A + 0.00030 *A^2

51)	1,2-Dichloroethan	0.350	0.401	0.362	0.344	0.340	0.361	0.368	0.361	5.65
52)	Tert Amyl Alcohol	0.049	0.069	0.064	0.067	0.071	0.086	0.091	0.071	19.61

Initial Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICC2666
Lab FileID: Y64315.D

```
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
              Response Ratio = 0.00000 + 0.06088 *A + 0.00155 *A^2

53)  Trichloroethene   0.250 0.299 0.286 0.273 0.272 0.281 0.279 0.277   5.48
54)  Methylcyclohexane 0.381 0.525 0.469 0.482 0.500 0.510 0.521 0.484  10.31
55)  Dibromomethane    0.144 0.170 0.163 0.151 0.153 0.156 0.157 0.156   5.40
56)C 1,2-Dichloropropa 0.258 0.307 0.272 0.267 0.267 0.275 0.274 0.274   5.64
57)  Bromodichlorometh 0.237 0.318 0.283 0.284 0.298 0.312 0.316 0.293   9.72
58)  Methyl methacryla 0.095 0.237 0.267 0.304 0.344 0.351 0.363 0.280  33.55
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9985
              Response Ratio = 0.00000 + 0.28606 *A + 0.04165 *A^2

59)  1,4-Dioxane             0.005 0.005 0.006 0.006 0.007 0.007 0.006  15.87
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
              Response Ratio = 0.00000 + 0.00541 *A + 0.00005 *A^2

60)  2-Chloroethyl vin 0.053 0.072 0.063 0.076 0.085 0.083 0.084 0.074  16.12
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9982
              Response Ratio = 0.00000 + 0.07427 *A + 0.00109 *A^2

61)  cis-1,3-Dichlorop 0.252 0.395 0.367 0.386 0.394 0.422 0.423 0.377  15.55
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 0.37437 *A + 0.02660 *A^2


62) I   Chlorobenzene-d5      ----------------ISTD--------------------
63)S Toluene-d8        1.231 1.255 1.240 1.234 1.249 1.238 1.210 1.237   1.16
64)C Toluene           1.567 1.696 1.492 1.471 1.474 1.511 1.489 1.529   5.28
65)  2-Nitropropane    0.126 0.153 0.135 0.146 0.155 0.171 0.176 0.152  11.84
66)  4-Methyl-2-pentan 0.859 0.593 0.630 0.612 0.584 0.693 0.727 0.671  14.60
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
              Response Ratio = 0.00000 + 0.56816 *A + 0.01585 *A^2

67)  trans-1,3-Dichlor 0.247 0.435 0.409 0.403 0.428 0.440 0.444 0.401  17.40
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
              Response Ratio = 0.00000 + 0.40538 *A + 0.02070 *A^2

68)  Tetrachloroethene 0.335 0.410 0.368 0.365 0.371 0.369 0.370 0.369   5.90
69)  Ethyl methacrylat 0.198 0.429 0.426 0.497 0.559 0.547 0.567 0.460  28.13
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
              Response Ratio = 0.00000 + 0.47533 *A + 0.04941 *A^2

70)  1,1,2-Trichloroet 0.279 0.295 0.263 0.255 0.260 0.256 0.252 0.266   5.92
71)  Dibromochlorometh 0.247 0.295 0.268 0.283 0.293 0.307 0.304 0.285   7.58
72)  1,3-Dichloropropa 0.618 0.654 0.567 0.550 0.558 0.561 0.553 0.580   6.87
73)  1,2-Dibromoethane 0.329 0.369 0.320 0.309 0.325 0.326 0.320 0.328   5.83
74)  3,3-dimethyl-1-bu 0.078 0.107 0.095 0.116 0.147 0.167 0.163 0.125  27.59
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9944
              Response Ratio = 0.00000 + 0.11410 *A + 0.00056 *A^2

75)  2-hexanone        0.590 0.466 0.501 0.479 0.473 0.844       0.559  26.27
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9928
              Response Ratio = 0.00000 + 0.17588 *A + 0.09390 *A^2

76)  1-Chlorohexane    0.343 0.482 0.444 0.461 0.491 0.503 0.496 0.460  12.03
77)C Ethylbenzene      1.547 1.804 1.652 1.632 1.651 1.738 1.766 1.684   5.29
78)P Chlorobenzene     0.943 1.017 0.924 0.895 0.921 0.934 0.937 0.939   4.01
79)  1,1,1,2-Tetrachlo 0.271 0.306 0.292 0.297 0.299 0.310 0.311 0.298   4.63
80)  m,p-Xylene        1.152 1.335 1.258 1.263 1.292 1.378 1.432 1.301   7.00
81)  o-Xylene          1.085 1.308 1.239 1.228 1.254 1.317 1.310 1.249   6.47
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Initial Calibration Summary

Job Number: FA98468 **Sample:** VY2666-ICC2666
Account: BHATALB Bhate Environmental **Lab FileID:** Y64315.D
Project: Griffiss AFB; Rome, NY

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 82)  Styrene           0.666 0.898 0.863 0.922 0.965 1.014 1.045 0.911  13.77
 83)P Bromoform         0.143 0.175 0.173 0.178 0.202 0.227 0.233 0.190  16.90
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9990
               Response Ratio = 0.00000 + 0.17243 *A + 0.03237 *A^2

 84)  Isopropylbenzene  1.370 1.685 1.554 1.564 1.606 1.672 1.669 1.589   6.94

 85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
 86)S 4-Bromofluorobenz 0.767 0.746 0.759 0.759 0.759 0.773 0.751 0.759   1.20
 87)  cis-1,4-Dichloro- 0.224 0.269 0.263 0.286 0.324 0.337 0.327 0.290  14.29
 88)  n-Propylbenzene   3.461 3.842 3.618 3.698 3.570 3.787 3.712 3.670   3.56
 89)  Bromobenzene      0.809 0.783 0.722 0.701 0.711 0.709 0.688 0.732   6.22
 90)P 1,1,2,2-Tetrachlo 1.109 1.116 1.024 0.972 0.939 0.998 0.987 1.021   6.64
 91)  1,3,5-Trimethylbe 2.249 2.572 2.555 2.551 2.435 2.615 2.574 2.507   5.05
 92)  2-Chlorotoluene   2.463 2.526 2.376 2.339 2.284 2.394 2.299 2.383   3.68
 93)  trans-1,4-Dichlor 0.224 0.273 0.251 0.266 0.273 0.296 0.302 0.269   9.83
 94)  1,2,3-Trichloropr 0.477 0.417 0.355 0.330 0.322 0.337 0.328 0.367  16.00
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
               Response Ratio = 0.00000 + 0.34734 *A + -0.01040 *A^2

 95)  Cyclohexanone     0.055 0.066 0.058 0.069 0.068 0.076 0.071 0.066  11.35
 96)  4-Chlorotoluene   2.136 2.250 2.145 2.065 2.001 2.144 2.108 2.121   3.64
 97)  tert-Butylbenzene 1.347 1.453 1.379 1.336 1.347 1.414 1.394 1.381   3.07
 98)  1,2,4-Trimethylbe 2.356 2.547 2.390 2.457 2.382 2.527 2.568 2.461   3.55
 99)  Pentachloroethane 0.250 0.341 0.353 0.369 0.409 0.396 0.399 0.360  15.16
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9990
               Response Ratio = 0.00000 + 0.37115 *A + 0.01601 *A^2

100)  sec-Butylbenzene  2.478 3.179 3.009 3.006 2.989 3.160 3.157 2.997   8.12
101)  4-Isopropyltoluen 2.140 2.541 2.522 2.523 2.480 2.720 2.698 2.518   7.57
102)  1,3-Dichlorobenze 1.414 1.386 1.304 1.281 1.241 1.308 1.286 1.317   4.65
103)  1,2,3-Trimethylbe 2.397 2.715 2.453 2.412 2.376 2.531 2.535 2.488   4.74
104)  1,4-Dichlorobenze 1.631 1.471 1.363 1.327 1.302 1.355 1.326 1.396   8.37
105)  n-Butylbenzene    1.214 1.160 1.150 1.257 1.228 1.359 1.375 1.249   7.12
106)  Benzyl Chloride   0.218 0.344 0.350 0.416 0.430 0.471 0.470 0.386  23.29
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
               Response Ratio = 0.00000 + 0.38344 *A + 0.04868 *A^2

107)  1,2-Dichlorobenze 1.294 1.416 1.268 1.256 1.219 1.286 1.277 1.288   4.78
108)  1,2-Dibromo-3-Chl 0.244 0.218 0.217 0.220 0.238 0.260 0.266 0.238   8.45
109)  Hexachlorobutadie 0.176 0.235 0.222 0.235 0.247 0.285 0.292 0.242  16.19
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9992
               Response Ratio = 0.00000 + 0.22118 *A + 0.03758 *A^2

110)  1,2,4-Trichlorobe 0.878 0.881 0.768 0.800 0.808 0.873 0.885 0.842   5.74
111)  Naphthalene       3.714 3.816 3.534 3.488 3.488 3.709 3.638 3.627   3.51
112)  1,2,3-Trichlorobe 0.942 0.853 0.798 0.802 0.793 0.864 0.856 0.844   6.23
 ----------------------------------------------------------------------------
 (#) = Out of Range

          APPIX_08-29-2022_Y.M        Tue Aug 30 15:21:44 2022
```

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64323.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-08-30\Y64323.D Vial: 3
Acq On : 30 Aug 2022 11:36 am Operator: joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 10:25:42 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF / Amount	CCRF / Calc.	%Dev / %Drift	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	109	0.00	9.50
		Amount / Calc. / %Drift						
2		Dichlorodifluoromethane	40.000	33.932	15.2	95	0.00	2.85
3		Acrolein	200.000	195.125	2.4	99	0.00	5.59
		AvgRF / CCRF / %Dev						
4	P	Chloromethane	0.311	0.300	3.5	115	0.00	3.18
5		1,3-butadiene	0.284	0.244	14.1	87	0.00	3.34
6	C	Vinyl Chloride	0.348	0.325	6.6	113	0.00	3.31
		Amount / Calc. / %Drift						
7		Bromomethane	40.000	46.771	-16.9	121	0.00	3.83
8		Chloroethane	40.000	37.444	6.4	102	0.00	4.03
		AvgRF / CCRF / %Dev						
9		Trichlorofluoromethane	0.367	0.427	-16.3	128	0.00	4.23
10		Ethyl Ether	0.228	0.225	1.3	111	0.01	4.76
		Amount / Calc. / %Drift						
11		Ethanol	800.000	893.734	-11.7	115	0.04	5.04
		AvgRF / CCRF / %Dev						
12		1,2-Dichlorotrifluoroetha	0.252	0.266	-5.6	119	0.00	5.04
13	C	1,1-Dichloroethene	0.341	0.348	-2.1	114	0.00	5.04
14		Freon 113	0.237	0.213	10.1	100	0.00	5.10
15		Carbon Disulfide	0.648	0.558	13.9	93	0.00	5.09
		Amount / Calc. / %Drift						
16		Iodomethane	40.000	36.264	9.3	96	0.00	5.28
17		Allyl chloride	40.000	42.324	-5.8	107	0.00	5.79
18		Methylene Chloride	40.000	34.174	14.6	94	0.00	5.96
19		Acetone	200.000	224.350	-12.2	133	0.00	6.05
		AvgRF / CCRF / %Dev						
20		Methyl acetate	0.325	0.373	-14.8	124	0.00	6.23
21		trans-1,2-Dichloroethene	0.340	0.336	1.2	110	0.00	6.22
22		Hexane	0.183	0.189	-3.3	103	0.00	6.33
23		Methyl Tert Butyl Ether	0.783	0.933	-19.2	134	0.00	6.38
		Amount / Calc. / %Drift						
24		Tert Butyl Alcohol	400.000	447.491	-11.9	126	0.01	6.55

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64323.D

25		Acetonitrile	400.000	386.608	3.3	101	0.00	6.79
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.832	0.826	0.7	110	0.00	6.98
			Amount	Calc.	%Drift			
27		Chloroprene	40.000	159.040	-297.6#	492	0.00	7.17
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane	0.442	0.451	-2.0	115	0.00	7.22
			Amount	Calc.	%Drift			
29		Acrylonitrile	200.000	196.102	1.9	115	0.00	7.30
			AvgRF	CCRF	%Dev			
30		ETBE	0.829	0.798	3.7	111	0.00	7.58
			Amount	Calc.	%Drift			
31		Vinyl acetate	200.000	198.533	0.7	113	0.00	7.60
			AvgRF	CCRF	%Dev			
32		cis-1,2-Dichloroethene	0.282	0.280	0.7	112	0.00	8.02
33		2,2-Dichloropropane	0.367	0.352	4.1	103	0.00	8.16
34		Bromochloromethane	0.132	0.123	6.8	107	0.00	8.29
35		Cyclohexane	0.487	0.445	8.6	97	0.00	8.29
36	C	Chloroform	0.441	0.409	7.3	103	0.00	8.38
			Amount	Calc.	%Drift			
37		Ethyl acetate	200.000	195.442	2.3	115	0.00	8.52
			AvgRF	CCRF	%Dev			
38		Tetrahydrofuran	0.202	0.212	-5.0	127	0.00	8.58
39	S	Dibromofluoromethane	0.224	0.231	-3.1	111	0.00	8.60
40		Carbon Tetrachloride	0.296	0.290	2.0	105	0.00	8.55
41		1,1,1-Trichloroethane	0.386	0.377	2.3	110	0.00	8.63
42		2-Butanone	0.267	0.286	-7.1	130	0.00	8.75
43		1,1-Dichloropropene	0.352	0.332	5.7	103	0.00	8.78
44		tert-Butyl formate	0.226	0.219	3.1	96	0.00	8.89
			Amount	Calc.	%Drift			
45		Propionitrile	400.000	383.159	4.2	102	0.00	9.08
46		Methacrylonitrile	400.000	361.623	9.6	96	0.00	9.11
			AvgRF	CCRF	%Dev			
47		Benzene	1.144	1.096	4.2	109	0.00	9.06
48		TAME		----------NA----------				
49	S	1,2-Dichloroethane-d4	0.274	0.270	1.5	109	0.00	9.21
			Amount	Calc.	%Drift			
50		Isobutyl Alcohol	800.000	805.553	-0.7	105	0.00	9.28
			AvgRF	CCRF	%Dev			
51		1,2-Dichloroethane	0.361	0.355	1.7	114	0.00	9.28
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	446.683	-11.7	129	0.00	9.38
			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.277	0.272	1.8	109	0.00	9.67
54		Methylcyclohexane	0.484	0.454	6.2	99	0.00	9.66

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64323.D

55		Dibromomethane	0.156	0.153	1.9	109	0.00	10.09
56	C	1,2-Dichloropropane	0.274	0.254	7.3	104	0.00	10.17
57		Bromodichloromethane	0.293	0.299	-2.0	109	0.00	10.23
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	37.445	6.4	94	0.00	10.34
59		1,4-Dioxane	800.000	1101.924	-37.7#	155	0.00	10.41
60		2-Chloroethyl vinyl ether	200.000	203.984	-2.0	103	0.00	10.71
61		cis-1,3-Dichloropropene	40.000	40.104	-0.3	110	0.00	10.78
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00	12.15
63	S	Toluene-d8	1.237	1.237	0.0	110	0.00	10.93
64	C	Toluene	1.529	1.420	7.1	107	0.00	10.98
65		2-Nitropropane	0.152	0.173	-13.8	124	0.00	11.17
			Amount	Calc.	%Drift			
66		4-Methyl-2-pentanone	200.000	205.228	-2.6	124	0.00	11.27
67		trans-1,3-Dichloropropene	40.000	44.871	-12.2	124	0.00	11.31
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.369	0.353	4.3	106	0.00	11.30
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	35.072	12.3	89	0.00	11.40
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.266	0.260	2.3	111	0.00	11.44
71		Dibromochloromethane	0.285	0.289	-1.4	110	0.00	11.59
72		1,3-Dichloropropane	0.580	0.522	10.0	104	0.00	11.66
73		1,2-Dibromoethane	0.328	0.320	2.4	110	0.00	11.79
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol		----------NA----------				
75		2-hexanone	200.000	199.080	0.5	129	0.00	11.90
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.460	0.450	2.2	102	0.00	12.11
77	C	Ethylbenzene	1.684	1.587	5.8	107	0.00	12.16
78	P	Chlorobenzene	0.939	0.877	6.6	106	0.00	12.17
79		1,1,1,2-Tetrachloroethane	0.298	0.294	1.3	110	0.00	12.20
80		m,p-Xylene	1.301	1.241	4.6	107	0.00	12.26
81		o-Xylene	1.249	1.217	2.6	108	0.00	12.57
82		Styrene	0.911	0.952	-4.5	110	0.00	12.61
			Amount	Calc.	%Drift			
83	P	Bromoform	40.000	44.550	-11.4	123	0.00	12.67
			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.589	1.515	4.7	105	0.00	12.78
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00	13.77
86	S	4-Bromofluorobenzene	0.759	0.777	-2.4	112	0.00	13.01
87		cis-1,4-Dichloro-2-butene	0.290	0.282	2.8	95	0.00	13.03
88		n-Propylbenzene	3.670	3.397	7.4	104	0.00	13.07
89		Bromobenzene	0.732	0.678	7.4	105	0.00	13.10
90	P	1,1,2,2-Tetrachloroethane	1.021	1.015	0.6	119	0.00	13.12
91		1,3,5-Trimethylbenzene	2.507	2.253	10.1	102	0.00	13.18
92		2-Chlorotoluene	2.383	2.155	9.6	104	0.00	13.20

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64323.D

93	trans-1,4-Dichloro-2-Bute	0.269	0.244	9.3	98	0.00	13.24
	---------- Amount	Calc.	%Drift	----------			
94	1,2,3-Trichloropropane	40.000	37.503	6.2	109	0.00	13.23
	---------- AvgRF	CCRF	%Dev	----------			
95	Cyclohexanone	----------NA----------					
96	4-Chlorotoluene	2.121	1.961	7.5	108	0.00	13.31
97	tert-Butylbenzene	1.381	1.226	11.2	100	0.00	13.41
98	1,2,4-Trimethylbenzene	2.461	2.276	7.5	105	0.00	13.46
	---------- Amount	Calc.	%Drift	----------			
99	Pentachloroethane	40.000	36.563	8.6	94	0.00	13.46
	---------- AvgRF	CCRF	%Dev	----------			
100	sec-Butylbenzene	2.997	2.731	8.9	100	0.00	13.53
101	4-Isopropyltoluene	2.518	2.371	5.8	105	0.00	13.61
102	1,3-Dichlorobenzene	1.317	1.243	5.6	110	0.00	13.72
103	1,2,3-Trimethylbenzene	2.488	2.425	2.5	112	0.00	13.76
104	1,4-Dichlorobenzene	1.396	1.292	7.4	109	0.00	13.78
105	n-Butylbenzene	1.249	1.030	17.5	92	0.00	13.90
	---------- Amount	Calc.	%Drift	----------			
106	Benzyl Chloride	40.000	32.168	19.6	85	0.00	13.93
	---------- AvgRF	CCRF	%Dev	----------			
107	1,2-Dichlorobenzene	1.288	1.237	4.0	111	0.00	14.07
108	1,2-Dibromo-3-Chloropropa	0.238	0.251	-5.5	116	0.00	14.60
	---------- Amount	Calc.	%Drift	----------			
109	Hexachlorobutadiene	40.000	36.572	8.6	101	0.00	15.00
	---------- AvgRF	CCRF	%Dev	----------			
110	1,2,4-Trichlorobenzene	0.842	0.839	0.4	114	0.00	15.06
111	Naphthalene	3.627	3.776	-4.1	119	0.00	15.31
112	1,2,3-Trichlorobenzene	0.844	0.826	2.1	114	0.00	15.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y64315.D APPIX_08-29-2022_Y.M Tue Aug 30 15:21:24 2022

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64324.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-08-30\Y64324.D Vial: 4
Acq On : 30 Aug 2022 12:01 pm Operator: joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 10:25:42 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	116	0.00	9.50
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane		NA				
3		Acrolein		NA				
			AvgRF	CCRF	%Dev			
4	P	Chloromethane		NA				
5		1,3-butadiene		NA				
6	C	Vinyl Chloride		NA				
			Amount	Calc.	%Drift			
7		Bromomethane		NA				
8		Chloroethane		NA				
			AvgRF	CCRF	%Dev			
9		Trichlorofluoromethane		NA				
10		Ethyl Ether		NA				
			Amount	Calc.	%Drift			
11		Ethanol		NA				
			AvgRF	CCRF	%Dev			
12		1,2-Dichlorotrifluoroetha		NA				
13	C	1,1-Dichloroethene		NA				
14		Freon 113		NA				
15		Carbon Disulfide		NA				
			Amount	Calc.	%Drift			
16		Iodomethane		NA				
17		Allyl chloride		NA				
18		Methylene Chloride		NA				
19		Acetone		NA				
			AvgRF	CCRF	%Dev			
20		Methyl acetate		NA				
21		trans-1,2-Dichloroethene		NA				
22		Hexane		NA				
23		Methyl Tert Butyl Ether		NA				
			Amount	Calc.	%Drift			
24		Tert Butyl Alcohol		NA				

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64324.D

25		Acetonitrile		NA				
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether		NA				
			Amount	Calc.	%Drift			
27		Chloroprene		NA				
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane		NA				
			Amount	Calc.	%Drift			
29		Acrylonitrile		NA				
			AvgRF	CCRF	%Dev			
30		ETBE		NA				
			Amount	Calc.	%Drift			
31		Vinyl acetate		NA				
			AvgRF	CCRF	%Dev			
32		cis-1,2-Dichloroethene		NA				
33		2,2-Dichloropropane		NA				
34		Bromochloromethane		NA				
35		Cyclohexane		NA				
36	C	Chloroform		NA				
			Amount	Calc.	%Drift			
37		Ethyl acetate		NA				
			AvgRF	CCRF	%Dev			
38		Tetrahydrofuran		NA				
39	S	Dibromofluoromethane	0.224	0.227	-1.3	116	0.00	8.60
40		Carbon Tetrachloride		NA				
41		1,1,1-Trichloroethane		NA				
42		2-Butanone		NA				
43		1,1-Dichloropropene		NA				
44		tert-Butyl formate		NA				
			Amount	Calc.	%Drift			
45		Propionitrile		NA				
46		Methacrylonitrile		NA				
			AvgRF	CCRF	%Dev			
47		Benzene		NA				
48		TAME	0.810	0.955	-17.9	145	0.00	9.17
49	S	1,2-Dichloroethane-d4	0.274	0.274	0.0	118	0.00	9.21
			Amount	Calc.	%Drift			
50		Isobutyl Alcohol		NA				
			AvgRF	CCRF	%Dev			
51		1,2-Dichloroethane		NA				
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol		NA				
			AvgRF	CCRF	%Dev			
53		Trichloroethene		NA				
54		Methylcyclohexane		NA				

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64324.D

55		Dibromomethane			----------NA----------				
56	C	1,2-Dichloropropane			----------NA----------				
57		Bromodichloromethane			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
58		Methyl methacrylate			----------NA----------				
59		1,4-Dioxane			----------NA----------				
60		2-Chloroethyl vinyl ether			----------NA----------				
61		cis-1,3-Dichloropropene			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	116	0.00	12.15	
63	S	Toluene-d8	1.237	1.248	-0.9	118	0.00	10.93	
64	C	Toluene			----------NA----------				
65		2-Nitropropane			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
66		4-Methyl-2-pentanone			----------NA----------				
67		trans-1,3-Dichloropropene			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
68		Tetrachloroethene			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
69		Ethyl methacrylate			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
70		1,1,2-Trichloroethane			----------NA----------				
71		Dibromochloromethane			----------NA----------				
72		1,3-Dichloropropane			----------NA----------				
73		1,2-Dibromoethane			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
74		3,3-dimethyl-1-butanol	1250.000	1114.884	10.8	113	0.00	11.87	
75		2-hexanone			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
76		1-Chlorohexane			----------NA----------				
77	C	Ethylbenzene			----------NA----------				
78	P	Chlorobenzene			----------NA----------				
79		1,1,1,2-Tetrachloroethane			----------NA----------				
80		m,p-Xylene			----------NA----------				
81		o-Xylene			----------NA----------				
82		Styrene			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
83	P	Bromoform			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
84		Isopropylbenzene			----------NA----------				
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	0.00	13.77	
86	S	4-Bromofluorobenzene	0.759	0.784	-3.3	122	0.00	13.01	
87		cis-1,4-Dichloro-2-butene			----------NA----------				
88		n-Propylbenzene			----------NA----------				
89		Bromobenzene			----------NA----------				
90	P	1,1,2,2-Tetrachloroethane			----------NA----------				
91		1,3,5-Trimethylbenzene			----------NA----------				
92		2-Chlorotoluene			----------NA----------				

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64324.D

93	trans-1,4-Dichloro-2-Bute		----------NA----------					
	----------	Amount	Calc.	%Drift	----------			
94	1,2,3-Trichloropropane		----------NA----------					
	----------	AvgRF	CCRF	%Dev	----------			
95	Cyclohexanone	0.066	0.070	-6.1	121	0.00	13.29	
96	4-Chlorotoluene		----------NA----------					
97	tert-Butylbenzene		----------NA----------					
98	1,2,4-Trimethylbenzene		----------NA----------					
	----------	Amount	Calc.	%Drift	----------			
99	Pentachloroethane		----------NA----------					
	----------	AvgRF	CCRF	%Dev	----------			
100	sec-Butylbenzene		----------NA----------					
101	4-Isopropyltoluene		----------NA----------					
102	1,3-Dichlorobenzene		----------NA----------					
103	1,2,3-Trimethylbenzene		----------NA----------					
104	1,4-Dichlorobenzene		----------NA----------					
105	n-Butylbenzene		----------NA----------					
	----------	Amount	Calc.	%Drift	----------			
106	Benzyl Chloride		----------NA----------					
	----------	AvgRF	CCRF	%Dev	----------			
107	1,2-Dichlorobenzene		----------NA----------					
108	1,2-Dibromo-3-Chloropropa		----------NA----------					
	----------	Amount	Calc.	%Drift	----------			
109	Hexachlorobutadiene		----------NA----------					
	----------	AvgRF	CCRF	%Dev	----------			
110	1,2,4-Trichlorobenzene		----------NA----------					
111	Naphthalene		----------NA----------					
112	1,2,3-Trichlorobenzene		----------NA----------					

(#) = Out of Range SPCC's out = 4 CCC's out = 6
Y64314.D APPIX_08-29-2022_Y.M Tue Aug 30 15:19:26 2022

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2672-CC2666
Lab FileID: Y64454.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\jo...-2022\vy2672\Y64454.D Vial: 2
Acq On : 3 Sep 2022 10:28 am Operator: adelardl
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2672,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Fri Sep 14 08:38:11 2018
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	77	0.00	9.50
		True	Calc.	% Drift			
2	Dichlorodifluoromethane	40.000	38.816	3.0	77	0.00	2.85
3	Acrolein	200.000	243.563	-21.8#	90	0.00	5.58
		AvgRF	CCRF	% Dev			
4 P	Chloromethane	0.311	0.340	-9.3	93	0.00	3.18
5	1,3-butadiene	0.284	0.272	4.2	69	0.00	3.34
6 C	Vinyl Chloride	0.348	0.370	-6.3	91	0.00	3.31
		True	Calc.	% Drift			
7	Bromomethane	40.000	52.247	-30.6#	98	0.00	3.83
8	Chloroethane	40.000	55.031	-37.6#	107	0.00	4.03
		AvgRF	CCRF	% Dev			
9	Trichlorofluoromethane	0.367	0.408	-11.2	87	0.00	4.25
10	Ethyl Ether	0.228	0.230	-0.9	81	0.00	4.75
		True	Calc.	% Drift			
11	Ethanol	800.000	714.754	10.7	61	-0.01	4.99
		AvgRF	CCRF	% Dev			
12	1,2-Dichlorotrifluoroetha	0.252	0.284	-12.7	90	0.00	5.04
13 C	1,1-Dichloroethene	0.341	0.355	-4.1	83	0.00	5.05
14	Freon 113	0.237	0.224	5.5	74	0.00	5.11
15	Carbon Disulfide	0.648	0.648	0.0	77	0.00	5.10
		True	Calc.	% Drift			
16	Iodomethane	40.000	50.524	-26.3#	100	0.00	5.27
17	Allyl chloride	40.000	45.489	-13.7	82	0.00	5.79
18	Methylene Chloride	40.000	41.826	-4.6	82	0.00	5.96
19	Acetone	200.000	218.437	-9.2	92	0.00	6.04
		AvgRF	CCRF	% Dev			
20	Methyl acetate	0.325	0.374	-15.1	88	0.00	6.22
21	trans-1,2-Dichloroethene	0.340	0.371	-9.1	86	0.00	6.22
22	Hexane	0.183	0.185	-1.1	72	0.00	6.33
23	Methyl Tert Butyl Ether	0.783	0.820	-4.7	84	0.00	6.38
		True	Calc.	% Drift			
24	Tert Butyl Alcohol	400.000	418.833	-4.7	83	0.00	6.53

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2672-CC2666
Lab FileID: Y64454.D

25		Acetonitrile	400.000	450.784	-12.7	85	0.00	6.78
			AvgRF	CCRF	% Dev			
26		Di-isopropyl ether	0.832	0.898	-7.9	85	0.00	6.98
			True	Calc.	% Drift			
27		Chloroprene	40.000	46.897	-17.2	86	0.00	7.17
			AvgRF	CCRF	% Dev			
28	P	1,1-Dichloroethane	0.442	0.485	-9.7	88	0.00	7.21
			True	Calc.	% Drift			
29		Acrylonitrile	200.000	219.624	-9.8	92	0.00	7.29
			AvgRF	CCRF	% Dev			
30		ETBE	0.829	0.896	-8.1	88	0.00	7.57
			True	Calc.	% Drift			
31		Vinyl acetate	200.000	218.270	-9.1	89	0.00	7.60
			AvgRF	CCRF	% Dev			
32		cis-1,2-Dichloroethene	0.282	0.306	-8.5	87	0.00	8.03
33		2,2-Dichloropropane	0.367	0.431	-17.4	90	0.00	8.16
34		Bromochloromethane	0.132	0.132	0.0	81	0.00	8.29
35		Cyclohexane	0.487	0.524	-7.6	81	0.00	8.29
36	C	Chloroform	0.441	0.482	-9.3	86	0.00	8.38
			True	Calc.	% Drift			
37		Ethyl acetate	200.000	217.136	-8.6	91	0.00	8.51
			AvgRF	CCRF	% Dev			
38		Tetrahydrofuran	0.202	0.206	-2.0	87	0.00	8.58
39	S	Dibromofluoromethane	0.224	0.224	0.0	76	0.00	8.60
40		Carbon Tetrachloride	0.296	0.331	-11.8	85	0.00	8.55
41		1,1,1-Trichloroethane	0.386	0.429	-11.1	89	0.00	8.63
42		2-Butanone	0.267	0.289	-8.2	93	0.00	8.74
43		1,1-Dichloropropene	0.352	0.407	-15.6	90	0.00	8.78
44		tert-Butyl formate	0.226	0.280	-23.9#	87	0.00	8.89
			True	Calc.	% Drift			
45		Propionitrile	400.000	450.575	-12.6	86	0.00	9.08
46		Methacrylonitrile	400.000	455.929	-14.0	88	0.00	9.10
			AvgRF	CCRF	% Dev			
47		Benzene	1.144	1.266	-10.7	89	0.00	9.06
48		TAME	0.810	0.881	-8.8	89	0.00	9.17
49	S	1,2-Dichloroethane-d4	0.274	0.267	2.6	77	0.00	9.20
			True	Calc.	% Drift			
50		Isobutyl Alcohol	800.000	889.113	-11.1	84	0.00	9.27
			AvgRF	CCRF	% Dev			
51		1,2-Dichloroethane	0.361	0.400	-10.8	91	0.00	9.28
			True	Calc.	% Drift			
52		Tert Amyl Alcohol	400.000	442.672	-10.7	90	0.00	9.37
			AvgRF	CCRF	% Dev			
53		Trichloroethene	0.277	0.313	-13.0	89	0.00	9.67
54		Methylcyclohexane	0.484	0.516	-6.6	80	0.00	9.66

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2672-CC2666
Lab FileID: Y64454.D

55		Dibromomethane	0.156	0.177	-13.5	89	0.00	10.09
56	C	1,2-Dichloropropane	0.274	0.310	-13.1	90	0.00	10.17
57		Bromodichloromethane	0.293	0.342	-16.7	89	0.00	10.23
			True	Calc.	% Drift			
58		Methyl methacrylate	40.000	47.220	-18.0	86	0.00	10.34
59		1,4-Dioxane	800.000	757.162	5.4	72	0.00	10.41
60		2-Chloroethyl vinyl ether	200.000	249.852	-24.9#	91	0.00	10.71
61		cis-1,3-Dichloropropene	40.000	46.921	-17.3	92	0.00	10.78
			AvgRF	CCRF	% Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00	12.15
63	S	Toluene-d8	1.237	1.167	5.7	82	0.00	10.93
64	C	Toluene	1.529	1.517	0.8	90	0.00	10.97
65		2-Nitropropane	0.152	0.160	-5.3	90	0.00	11.17
			True	Calc.	% Drift			
66		4-Methyl-2-pentanone	200.000	201.638	-0.8	96	0.00	11.26
67		trans-1,3-Dichloropropene	40.000	42.535	-6.3	92	0.00	11.31
			AvgRF	CCRF	% Dev			
68		Tetrachloroethene	0.369	0.326	11.7	77	0.00	11.30
			True	Calc.	% Drift			
69		Ethyl methacrylate	40.000	43.286	-8.2	88	0.00	11.40
			AvgRF	CCRF	% Dev			
70		1,1,2-Trichloroethane	0.266	0.272	-2.3	92	0.00	11.44
71		Dibromochloromethane	0.285	0.287	-0.7	86	0.00	11.59
72		1,3-Dichloropropane	0.580	0.581	-0.2	91	0.00	11.66
73		1,2-Dibromoethane	0.328	0.329	-0.3	89	0.00	11.79
			True	Calc.	% Drift			
74		3,3-dimethyl-1-butanol	2000.000	1853.687	7.3	75	0.00	11.87
75		2-hexanone	200.000	191.695	4.2	95	0.00	11.90
			AvgRF	CCRF	% Dev			
76		1-Chlorohexane	0.460	0.504	-9.6	90	0.00	12.11
77	C	Ethylbenzene	1.684	1.706	-1.3	91	0.00	12.15
78	P	Chlorobenzene	0.939	0.912	2.9	87	0.00	12.17
79		1,1,1,2-Tetrachloroethane	0.298	0.292	2.0	86	0.00	12.20
80		m,p-Xylene	1.301	1.304	-0.2	88	0.00	12.26
81		o-Xylene	1.249	1.270	-1.7	89	0.00	12.57
82		Styrene	0.911	0.954	-4.7	87	0.00	12.61
			True	Calc.	% Drift			
83	P	Bromoform	40.000	36.854	7.9	78	0.00	12.67
			AvgRF	CCRF	% Dev			
84		Isopropylbenzene	1.589	1.575	0.9	86	0.00	12.78
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00	13.77
86	S	4-Bromofluorobenzene	0.759	0.705	7.1	77	0.00	13.01
87		cis-1,4-Dichloro-2-butene	0.290	0.349	-20.3#	89	0.00	13.03
88		n-Propylbenzene	3.670	3.666	0.1	85	0.00	13.07
89		Bromobenzene	0.732	0.671	8.3	78	0.00	13.10
90	P	1,1,2,2-Tetrachloroethane	1.021	1.103	-8.0	97	0.00	13.12
91		1,3,5-Trimethylbenzene	2.507	2.467	1.6	84	0.00	13.18
92		2-Chlorotoluene	2.383	2.365	0.8	85	0.00	13.20

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2672-CC2666
Lab FileID: Y64454.D

93	trans-1,4-Dichloro-2-Bute	0.269	0.306	-13.8	92	0.00	13.24
	----------	True	Calc.	% Drift	----------		
94	1,2,3-Trichloropropane	40.000	42.317	-5.8	92	0.00	13.23
	----------	AvgRF	CCRF	% Dev	----------		
95	Cyclohexanone	0.066	0.064	3.0	78	0.00	13.29
96	4-Chlorotoluene	2.121	2.147	-1.2	89	0.00	13.31
97	tert-Butylbenzene	1.381	1.332	3.5	82	0.00	13.41
98	1,2,4-Trimethylbenzene	2.461	2.459	0.1	85	0.00	13.46
	----------	True	Calc.	% Drift	----------		
99	Pentachloroethane	40.000	38.570	3.6	75	0.00	13.46
	----------	AvgRF	CCRF	% Dev	----------		
100	sec-Butylbenzene	2.997	2.848	5.0	79	0.00	13.53
101	4-Isopropyltoluene	2.518	2.401	4.6	80	0.00	13.61
102	1,3-Dichlorobenzene	1.317	1.213	7.9	81	0.00	13.72
103	1,2,3-Trimethylbenzene	2.488	2.537	-2.0	88	0.00	13.76
104	1,4-Dichlorobenzene	1.396	1.290	7.6	82	0.00	13.78
105	n-Butylbenzene	1.249	1.209	3.2	81	0.00	13.89
	----------	True	Calc.	% Drift	----------		
106	Benzyl Chloride	40.000	43.191	-8.0	88	0.00	13.93
	----------	AvgRF	CCRF	% Dev	----------		
107	1,2-Dichlorobenzene	1.288	1.224	5.0	83	0.00	14.07
108	1,2-Dibromo-3-Chloropropa	0.238	0.265	-11.3	92	0.00	14.60
	----------	True	Calc.	% Drift	----------		
109	Hexachlorobutadiene	40.000	31.654	20.9#	65	0.00	15.00
	----------	AvgRF	CCRF	% Dev	----------		
110	1,2,4-Trichlorobenzene	0.842	0.748	11.2	76	0.00	15.06
111	Naphthalene	3.627	3.663	-1.0	87	0.00	15.31
112	1,2,3-Trichlorobenzene	0.844	0.741	12.2	77	0.00	15.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y64315.D APPIX_08-29-2022_Y.M Mon Sep 05 02:28:23 2022

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2672-ECC2666
Lab FileID: Y64481.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\jo...-2022\vy2672\Y64481.D Vial: 29
Acq On : 3 Sep 2022 9:33 pm Operator: adelardl
Sample : ECC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2672,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Fri Sep 14 08:38:11 2018
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	71	0.00	9.50
			True	Calc.	% Drift			
2		Dichlorodifluoromethane	40.000	37.257	6.9	68	0.00	2.84
3		Acrolein	200.000	226.193	-13.1	76	0.00	5.58
			AvgRF	CCRF	% Dev			
4	P	Chloromethane	0.311	0.349	-12.2	88	0.00	3.18
5		1,3-butadiene	0.284	0.353	-24.3	82	0.00	3.34
6	C	Vinyl Chloride	0.348	0.353	-1.4	80	0.00	3.31
			True	Calc.	% Drift			
7		Bromomethane	40.000	28.866	27.8	45	0.00	3.83
8		Chloroethane	40.000	54.771	-36.9	98	0.00	4.02
			AvgRF	CCRF	% Dev			
9		Trichlorofluoromethane	0.367	0.409	-11.4	80	0.00	4.24
10		Ethyl Ether	0.228	0.244	-7.0	79	0.00	4.75
			True	Calc.	% Drift			
11		Ethanol	800.000	1091.807	-36.5	98	0.00	5.00
			AvgRF	CCRF	% Dev			
12		1,2-Dichlorotrifluoroetha	0.252	0.284	-12.7	83	0.00	5.04
13	C	1,1-Dichloroethene	0.341	0.358	-5.0	77	0.00	5.05
14		Freon 113	0.237	0.208	12.2	64	0.00	5.11
15		Carbon Disulfide	0.648	0.633	2.3	69	0.00	5.10
			True	Calc.	% Drift			
16		Iodomethane	40.000	23.468	41.3	39	0.00	5.27
17		Allyl chloride	40.000	45.492	-13.7	76	0.00	5.79
18		Methylene Chloride	40.000	46.779	-16.9	85	0.00	5.96
19		Acetone	200.000	230.807	-15.4	90	0.00	6.04
			AvgRF	CCRF	% Dev			
20		Methyl acetate	0.325	0.401	-23.4	87	0.00	6.23
21		trans-1,2-Dichloroethene	0.340	0.382	-12.4	82	0.00	6.21
22		Hexane	0.183	0.165	9.8	59	0.00	6.33
23		Methyl Tert Butyl Ether	0.783	0.839	-7.2	79	0.00	6.38
			True	Calc.	% Drift			
24		Tert Butyl Alcohol	400.000	481.468	-20.4	90	0.00	6.54

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VY2672-ECC2666
Lab FileID: Y64481.D

25		Acetonitrile	400.000	495.288	-23.8	87	0.00	6.79
			AvgRF	CCRF	% Dev			
26		Di-isopropyl ether	0.832	0.959	-15.3	84	0.00	6.99
			True	Calc.	% Drift			
27		Chloroprene	40.000	46.514	-16.3	79	0.00	7.18
			AvgRF	CCRF	% Dev			
28	P	1,1-Dichloroethane	0.442	0.509	-15.2	85	0.00	7.21
			True	Calc.	% Drift			
29		Acrylonitrile	200.000	227.234	-13.6	88	0.00	7.30
			AvgRF	CCRF	% Dev			
30		ETBE	0.829	0.946	-14.1	86	0.00	7.58
			True	Calc.	% Drift			
31		Vinyl acetate	200.000	216.539	-8.3	81	0.00	7.60
			AvgRF	CCRF	% Dev			
32		cis-1,2-Dichloroethene	0.282	0.314	-11.3	82	0.00	8.03
33		2,2-Dichloropropane	0.367	0.371	-1.1	71	0.00	8.17
34		Bromochloromethane	0.132	0.130	1.5	74	0.00	8.29
35		Cyclohexane	0.487	0.515	-5.7	74	0.00	8.29
36	C	Chloroform	0.441	0.514	-16.6	85	0.00	8.38
			True	Calc.	% Drift			
37		Ethyl acetate	200.000	222.896	-11.4	86	0.00	8.51
			AvgRF	CCRF	% Dev			
38		Tetrahydrofuran	0.202	0.218	-7.9	85	0.00	8.59
39	S	Dibromofluoromethane	0.224	0.226	-0.9	71	0.00	8.60
40		Carbon Tetrachloride	0.296	0.304	-2.7	72	0.00	8.56
41		1,1,1-Trichloroethane	0.386	0.417	-8.0	79	0.00	8.64
42		2-Butanone	0.267	0.301	-12.7	90	0.00	8.74
43		1,1-Dichloropropene	0.352	0.405	-15.1	83	0.00	8.78
44		tert-Butyl formate	0.226	0.274	-21.2	79	0.00	8.90
			True	Calc.	% Drift			
45		Propionitrile	400.000	482.092	-20.5	86	0.00	9.08
46		Methacrylonitrile	400.000	460.093	-15.0	82	0.00	9.10
			AvgRF	CCRF	% Dev			
47		Benzene	1.144	1.298	-13.5	84	0.00	9.06
48		TAME	0.810	0.908	-12.1	85	0.00	9.17
49	S	1,2-Dichloroethane-d4	0.274	0.276	-0.7	73	0.00	9.21
			True	Calc.	% Drift			
50		Isobutyl Alcohol	800.000	1012.797	-26.6	91	0.00	9.27
			AvgRF	CCRF	% Dev			
51		1,2-Dichloroethane	0.361	0.415	-15.0	87	0.00	9.28
			True	Calc.	% Drift			
52		Tert Amyl Alcohol	400.000	489.390	-22.3	94	0.00	9.38
			AvgRF	CCRF	% Dev			
53		Trichloroethene	0.277	0.320	-15.5	84	0.00	9.68
54		Methylcyclohexane	0.484	0.511	-5.6	73	0.00	9.66

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VY2672-ECC2666
Lab FileID: Y64481.D

55		Dibromomethane	0.156	0.182	-16.7	85	0.00	10.09
56	C	1,2-Dichloropropane	0.274	0.325	-18.6	87	0.00	10.17
57		Bromodichloromethane	0.293	0.347	-18.4	83	0.00	10.23
			True	Calc.	% Drift			
58		Methyl methacrylate	40.000	48.429	-21.1	82	0.00	10.34
59		1,4-Dioxane	800.000	1099.424	-37.4	101	0.00	10.41
60		2-Chloroethyl vinyl ether	200.000	264.101	-32.1	89	0.00	10.71
61		cis-1,3-Dichloropropene	40.000	46.005	-15.0	83	0.00	10.78
			AvgRF	CCRF	% Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	83	0.00	12.15
63	S	Toluene-d8	1.237	1.172	5.3	78	0.00	10.93
64	C	Toluene	1.529	1.540	-0.7	86	0.00	10.98
65		2-Nitropropane	0.152	0.160	-5.3	85	0.00	11.17
			True	Calc.	% Drift			
66		4-Methyl-2-pentanone	200.000	204.350	-2.2	91	0.00	11.26
67		trans-1,3-Dichloropropene	40.000	40.071	-0.2	81	0.00	11.31
			AvgRF	CCRF	% Dev			
68		Tetrachloroethene	0.369	0.322	12.7	72	0.00	11.30
			True	Calc.	% Drift			
69		Ethyl methacrylate	40.000	42.370	-5.9	81	0.00	11.40
			AvgRF	CCRF	% Dev			
70		1,1,2-Trichloroethane	0.266	0.266	0.0	84	0.00	11.44
71		Dibromochloromethane	0.285	0.269	5.6	76	0.00	11.59
72		1,3-Dichloropropane	0.580	0.593	-2.2	88	0.00	11.66
73		1,2-Dibromoethane	0.328	0.320	2.4	81	0.00	11.79
			True	Calc.	% Drift			
74		3,3-dimethyl-1-butanol	2000.000	2004.479	-0.2	77	0.00	11.87
75		2-hexanone	200.000	192.251	3.9	90	0.00	11.90
			AvgRF	CCRF	% Dev			
76		1-Chlorohexane	0.460	0.484	-5.2	81	0.00	12.11
77	C	Ethylbenzene	1.684	1.713	-1.7	86	0.00	12.16
78	P	Chlorobenzene	0.939	0.909	3.2	82	0.00	12.16
79		1,1,1,2-Tetrachloroethane	0.298	0.276	7.4	76	0.00	12.20
80		m,p-Xylene	1.301	1.321	-1.5	84	0.00	12.26
81		o-Xylene	1.249	1.289	-3.2	85	0.00	12.57
82		Styrene	0.911	0.938	-3.0	80	0.00	12.61
			True	Calc.	% Drift			
83	P	Bromoform	40.000	32.536	18.7	64	0.00	12.66
			AvgRF	CCRF	% Dev			
84		Isopropylbenzene	1.589	1.603	-0.9	82	0.00	12.78
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.00	13.77
86	S	4-Bromofluorobenzene	0.759	0.683	10.0	69	0.00	13.01
87		cis-1,4-Dichloro-2-butene	0.290	0.157	45.9	37#	0.00	13.03
88		n-Propylbenzene	3.670	3.946	-7.5	85	0.00	13.06
89		Bromobenzene	0.732	0.641	12.4	70	0.00	13.09
90	P	1,1,2,2-Tetrachloroethane	1.021	1.076	-5.4	88	0.00	13.12
91		1,3,5-Trimethylbenzene	2.507	2.618	-4.4	83	0.00	13.18
92		2-Chlorotoluene	2.383	2.484	-4.2	84	0.00	13.20

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2672-ECC2666
Lab FileID: Y64481.D

93	trans-1,4-Dichloro-2-Bute	0.269	0.155	42.4	44#	0.00	13.23
	----------	True	Calc.	% Drift	----------		
94	1,2,3-Trichloropropane	40.000	41.861	-4.7	85	0.00	13.23
	----------	AvgRF	CCRF	% Dev	----------		
95	Cyclohexanone	0.066	0.079	-19.7	90	0.00	13.29
96	4-Chlorotoluene	2.121	2.230	-5.1	86	0.00	13.31
97	tert-Butylbenzene	1.381	1.458	-5.6	83	0.00	13.41
98	1,2,4-Trimethylbenzene	2.461	2.544	-3.4	82	0.00	13.45
	----------	True	Calc.	% Drift	----------		
99	Pentachloroethane	40.000	31.411	21.5	56	0.00	13.46
	----------	AvgRF	CCRF	% Dev	----------		
100	sec-Butylbenzene	2.997	3.206	-7.0	83	0.00	13.53
101	4-Isopropyltoluene	2.518	2.602	-3.3	81	0.00	13.61
102	1,3-Dichlorobenzene	1.317	1.177	10.6	73	0.00	13.72
103	1,2,3-Trimethylbenzene	2.488	2.566	-3.1	83	0.00	13.76
104	1,4-Dichlorobenzene	1.396	1.267	9.2	75	0.00	13.78
105	n-Butylbenzene	1.249	1.370	-9.7	86	0.00	13.90
	----------	True	Calc.	% Drift	----------		
106	Benzyl Chloride	40.000	32.517	18.7	60	0.00	13.93
	----------	AvgRF	CCRF	% Dev	----------		
107	1,2-Dichlorobenzene	1.288	1.169	9.2	74	0.00	14.07
108	1,2-Dibromo-3-Chloropropa	0.238	0.264	-10.9	86	0.00	14.60
	----------	True	Calc.	% Drift	----------		
109	Hexachlorobutadiene	40.000	31.688	20.8	60	0.00	15.00
	----------	AvgRF	CCRF	% Dev	----------		
110	1,2,4-Trichlorobenzene	0.842	0.685	18.6	65	0.00	15.07
111	Naphthalene	3.627	3.597	0.8	80	0.00	15.31
112	1,2,3-Trichlorobenzene	0.844	0.706	16.4	69	0.00	15.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y64315.D APPIX_08-29-2022_Y.M Mon Sep 05 02:28:54 2022

Run Sequence Report

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V2P3560	**Method:** SW846 8260D	**Instrument ID:** GCMS2P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2P3560-BFB	2P92263.D	08/24/22 09:49	n/a	BFB Tune
V2P3560-IC3560	2P92263.D	08/24/22 09:50	n/a	Initial cal 1
V2P3560-IC3560	2P92265.D	08/24/22 10:22	n/a	Initial cal 2
V2P3560-IC3560	2P92267.D	08/24/22 10:54	n/a	Initial cal 3
V2P3560-IC3560	2P92269.D	08/24/22 11:26	n/a	Initial cal 4
V2P3560-ICC3560	2P92271.D	08/24/22 11:59	n/a	Initial cal 5
V2P3560-IC3560	2P92273.D	08/24/22 12:31	n/a	Initial cal 6
V2P3560-IC3560	2P92275.D	08/24/22 13:04	n/a	Initial cal 7
V2P3560-ICV3560	2P92279.D	08/24/22 14:09	n/a	Initial cal verification 5
V2P3560-CC3560	2P92279A.D	08/24/22 14:09	n/a	Continuing cal 5
V2P3560-ICV3560	2P92281.D	08/24/22 14:41	n/a	Initial cal verification 4
V2P3560-BS	2P92281A.D	08/24/22 14:41	n/a	Blank Spike
V2P3560-MB	2P92285.D	08/24/22 15:44	n/a	Method Blank
ZZZZZZ	2P92289.D	08/24/22 16:49	n/a	(unrelated sample)
ZZZZZZ	2P92293.D	08/24/22 17:52	n/a	(unrelated sample)
ZZZZZZ	2P92299.D	08/24/22 19:28	n/a	(unrelated sample)
FA98254-9	2P92303.D	08/24/22 20:31	n/a	(used for QC only; not part of job FA98468)
ZZZZZZ	2P92305.D	08/24/22 21:03	n/a	(unrelated sample)
FA98254-9MS	2P92307.D	08/24/22 21:35	n/a	Matrix Spike
FA98254-9MSD	2P92309.D	08/24/22 22:07	n/a	Matrix Spike Duplicate
V2P3560-ECC3560	2P92311.D	08/24/22 22:38	n/a	Ending cal 5

Run Sequence Report

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V2P3567	**Method:** SW846 8260D	**Instrument ID:** GCMS2P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2P3567-BFB	2P92601.D	09/01/22 13:03	n/a	BFB Tune
V2P3567-CC3560	2P92601.D	09/01/22 13:04	n/a	Continuing cal 5
V2P3567-BS	2P92603.D	09/01/22 13:36	n/a	Blank Spike
V2P3567-MB	2P92607.D	09/01/22 14:40	n/a	Method Blank
ZZZZZZ	2P92609.D	09/01/22 15:12	n/a	(unrelated sample)
FA98474-2	2P92611.D	09/01/22 15:45	n/a	(used for QC only; not part of job FA98468)
ZZZZZZ	2P92613.D	09/01/22 16:17	n/a	(unrelated sample)
ZZZZZZ	2P92615.D	09/01/22 16:49	n/a	(unrelated sample)
ZZZZZZ	2P92617.D	09/01/22 17:21	n/a	(unrelated sample)
ZZZZZZ	2P92619.D	09/01/22 17:53	n/a	(unrelated sample)
ZZZZZZ	2P92621.D	09/01/22 18:26	n/a	(unrelated sample)
ZZZZZZ	2P92623.D	09/01/22 18:58	n/a	(unrelated sample)
FA98468-1	2P92625.D	09/01/22 19:30	n/a	LF6MW-12-0822
ZZZZZZ	2P92627.D	09/01/22 20:02	n/a	(unrelated sample)
ZZZZZZ	2P92629.D	09/01/22 20:34	n/a	(unrelated sample)
ZZZZZZ	2P92631.D	09/01/22 21:06	n/a	(unrelated sample)
ZZZZZZ	2P92633.D	09/01/22 21:39	n/a	(unrelated sample)
ZZZZZZ	2P92635.D	09/01/22 22:11	n/a	(unrelated sample)
ZZZZZZ	2P92637.D	09/01/22 22:43	n/a	(unrelated sample)
ZZZZZZ	2P92639.D	09/01/22 23:15	n/a	(unrelated sample)
FA98474-2MS	2P92641.D	09/01/22 23:46	n/a	Matrix Spike
FA98474-2MSD	2P92643.D	09/02/22 00:18	n/a	Matrix Spike Duplicate
V2P3567-ECC3560	2P92645.D	09/02/22 00:50	n/a	Ending cal 5

Run Sequence Report

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V2P3568	**Method:** SW846 8260D	**Instrument ID:** GCMS2P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2P3568-BFB	2P92657.D	09/06/22 11:30	n/a	BFB Tune
V2P3568-CC3560	2P92657.D	09/06/22 11:31	n/a	Continuing cal 5
V2P3568-BS	2P92659.D	09/06/22 12:04	n/a	Blank Spike
V2P3568-MB	2P92665.D	09/06/22 13:41	n/a	Method Blank
ZZZZZZ	2P92667.D	09/06/22 14:14	n/a	(unrelated sample)
ZZZZZZ	2P92669.D	09/06/22 14:46	n/a	(unrelated sample)
ZZZZZZ	2P92671.D	09/06/22 15:18	n/a	(unrelated sample)
FA98431-6	2P92673.D	09/06/22 15:50	n/a	(used for QC only; not part of job FA98468)
FA98468-2	2P92675.D	09/06/22 16:22	n/a	LF6MW-39-0822
FA98468-3	2P92677.D	09/06/22 16:54	n/a	LF6SW-1PM-0822
FA98468-4	2P92679.D	09/06/22 17:26	n/a	LF6VMW-13R-0822
FA98468-5	2P92681.D	09/06/22 17:58	n/a	LF6VMW-13RD-0822
FA98468-6	2P92683.D	09/06/22 18:30	n/a	WL-LF6TW-35-0822
ZZZZZZ	2P92685.D	09/06/22 19:02	n/a	(unrelated sample)
ZZZZZZ	2P92687.D	09/06/22 19:34	n/a	(unrelated sample)
FA98468-7	2P92689.D	09/06/22 20:06	n/a	WL-LF6TW-36-0822
ZZZZZZ	2P92691.D	09/06/22 20:39	n/a	(unrelated sample)
ZZZZZZ	2P92693.D	09/06/22 21:12	n/a	(unrelated sample)
ZZZZZZ	2P92695.D	09/06/22 21:44	n/a	(unrelated sample)
FA98431-6MS	2P92697.D	09/06/22 22:17	n/a	Matrix Spike
FA98431-6MSD	2P92699.D	09/06/22 22:49	n/a	Matrix Spike Duplicate
V2P3568-ECC3560	2P92701.D	09/06/22 23:22	n/a	Ending cal 5

Run Sequence Report

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V5E1549 **Method:** SW846 8260D **Instrument ID:** GCMS5E

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5E1549-BFB	5E33981.D	09/06/22 13:53	n/a	BFB Tune
V5E1549-IC1549	5E33982.D	09/06/22 14:17	n/a	Initial cal 1
V5E1549-IC1549	5E33983.D	09/06/22 15:04	n/a	Initial cal 2
V5E1549-IC1549	5E33984.D	09/06/22 15:28	n/a	Initial cal 3
V5E1549-IC1549	5E33985.D	09/06/22 15:52	n/a	Initial cal 4
V5E1549-ICC1549	5E33986.D	09/06/22 16:16	n/a	Initial cal 5
V5E1549-IC1549	5E33987.D	09/06/22 16:40	n/a	Initial cal 6
V5E1549-IC1549	5E33988.D	09/06/22 17:04	n/a	Initial cal 7
V5E1549-ICV1549	5E33990.D	09/06/22 17:52	n/a	Initial cal verification 5
V5E1549-ICV1549	5E33991.D	09/06/22 18:16	n/a	Initial cal verification 4

Run Sequence Report

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V5E1550	**Method:** SW846 8260D	**Instrument ID:** GCMS5E

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5E1550-BFB	5E33993.D	09/07/22 09:22	n/a	BFB Tune
V5E1550-CC1549	5E33993.D	09/07/22 09:23	n/a	Continuing cal 5
V5E1550-BS	5E33994.D	09/07/22 09:47	n/a	Blank Spike
V5E1550-MB	5E33997.D	09/07/22 10:56	n/a	Method Blank
ZZZZZZ	5E33998.D	09/07/22 11:19	n/a	(unrelated sample)
FA98468-10	5E33999.D	09/07/22 11:43	n/a	LF6-TB01-0822-C
ZZZZZZ	5E34000.D	09/07/22 12:07	n/a	(unrelated sample)
ZZZZZZ	5E34001.D	09/07/22 12:30	n/a	(unrelated sample)
FA98468-4	5E34002.D	09/07/22 12:55	n/a	LF6VMW-13R-0822
FA98468-5	5E34003.D	09/07/22 13:18	n/a	LF6VMW-13RD-0822
FA98468-7	5E34004.D	09/07/22 13:42	n/a	WL-LF6TW-36-0822
FA98592-1	5E34006.D	09/07/22 14:30	n/a	(used for QC only; not part of job FA98468)
ZZZZZZ	5E34008.D	09/07/22 15:17	n/a	(unrelated sample)
ZZZZZZ	5E34010.D	09/07/22 16:04	n/a	(unrelated sample)
ZZZZZZ	5E34012.D	09/07/22 16:51	n/a	(unrelated sample)
ZZZZZZ	5E34013.D	09/07/22 17:14	n/a	(unrelated sample)
ZZZZZZ	5E34014.D	09/07/22 17:37	n/a	(unrelated sample)
ZZZZZZ	5E34015.D	09/07/22 18:00	n/a	(unrelated sample)
FA98468-8	5E34016.D	09/07/22 18:24	n/a	WL-LF6TW-38-0822
FA98468-9	5E34017.D	09/07/22 18:47	n/a	WL-LF6VMW-26-0822
FA98592-1MS	5E34018.D	09/07/22 19:10	n/a	Matrix Spike
FA98592-1MSD	5E34019.D	09/07/22 19:33	n/a	Matrix Spike Duplicate
V5E1550-ECC1549	5E34020.D	09/07/22 19:56	n/a	Ending cal 5

Run Sequence Report

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VY2666 **Method:** SW846 8260D **Instrument ID:** GCMSY

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VY2666-BFB	Y64310.D	08/29/22 12:11	n/a	BFB Tune
VY2666-IC2666	Y64311.D	08/29/22 13:05	n/a	Initial cal 1
VY2666-IC2666	Y64312.D	08/29/22 13:29	n/a	Initial cal 2
VY2666-IC2666	Y64313.D	08/29/22 13:54	n/a	Initial cal 3
VY2666-IC2666	Y64314.D	08/29/22 14:19	n/a	Initial cal 4
VY2666-ICC2666	Y64315.D	08/29/22 14:44	n/a	Initial cal 5
VY2666-IC2666	Y64316.D	08/29/22 15:09	n/a	Initial cal 6
VY2666-IC2666	Y64317.D	08/29/22 15:33	n/a	Initial cal 7
VY2666-ICV2666	Y64323.D	08/30/22 11:36	n/a	Initial cal verification 5
VY2666-ICV2666	Y64324.D	08/30/22 12:01	n/a	Initial cal verification 4

Run Sequence Report

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VY2672 **Method:** SW846 8260D **Instrument ID:** GCMSY

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VY2672-BFB	Y64453.D	09/03/22 10:04	n/a	BFB Tune
VY2672-CC2666	Y64454.D	09/03/22 10:28	n/a	Continuing cal 5
VY2672-BS	Y64455.D	09/03/22 10:53	n/a	Blank Spike
VY2672-MB	Y64458.D	09/03/22 12:06	n/a	Method Blank
ZZZZZZ	Y64459.D	09/03/22 12:30	n/a	(unrelated sample)
ZZZZZZ	Y64460.D	09/03/22 12:55	n/a	(unrelated sample)
ZZZZZZ	Y64461.D	09/03/22 13:20	n/a	(unrelated sample)
ZZZZZZ	Y64462.D	09/03/22 13:44	n/a	(unrelated sample)
ZZZZZZ	Y64463.D	09/03/22 14:09	n/a	(unrelated sample)
ZZZZZZ	Y64464.D	09/03/22 14:33	n/a	(unrelated sample)
ZZZZZZ	Y64465.D	09/03/22 14:58	n/a	(unrelated sample)
ZZZZZZ	Y64466.D	09/03/22 15:22	n/a	(unrelated sample)
ZZZZZZ	Y64467.D	09/03/22 15:47	n/a	(unrelated sample)
ZZZZZZ	Y64468.D	09/03/22 16:12	n/a	(unrelated sample)
ZZZZZZ	Y64469.D	09/03/22 16:37	n/a	(unrelated sample)
ZZZZZZ	Y64470.D	09/03/22 17:01	n/a	(unrelated sample)
ZZZZZZ	Y64471.D	09/03/22 17:26	n/a	(unrelated sample)
ZZZZZZ	Y64472.D	09/03/22 17:51	n/a	(unrelated sample)
ZZZZZZ	Y64473.D	09/03/22 18:16	n/a	(unrelated sample)
FA98458-1	Y64474.D	09/03/22 18:41	n/a	(used for QC only; not part of job FA98468)
FA98468-1	Y64475.D	09/03/22 19:05	n/a	LF6MW-12-0822
ZZZZZZ	Y64476.D	09/03/22 19:30	n/a	(unrelated sample)
ZZZZZZ	Y64477.D	09/03/22 19:55	n/a	(unrelated sample)
FA98458-1MS	Y64479.D	09/03/22 20:44	n/a	Matrix Spike
FA98458-1MSD	Y64480.D	09/03/22 21:09	n/a	Matrix Spike Duplicate
VY2672-ECC2666	Y64481.D	09/03/22 21:33	n/a	Ending cal 5

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92625.D
Acq On : 1 Sep 2022 7:30 pm
Operator : courtnef
Sample : FA98468-1,10X
Misc : MS52315,V2P3567,,,,,10X
ALS Vial : 64 Sample Multiplier: 1

Quant Time: Sep 02 02:39:06 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

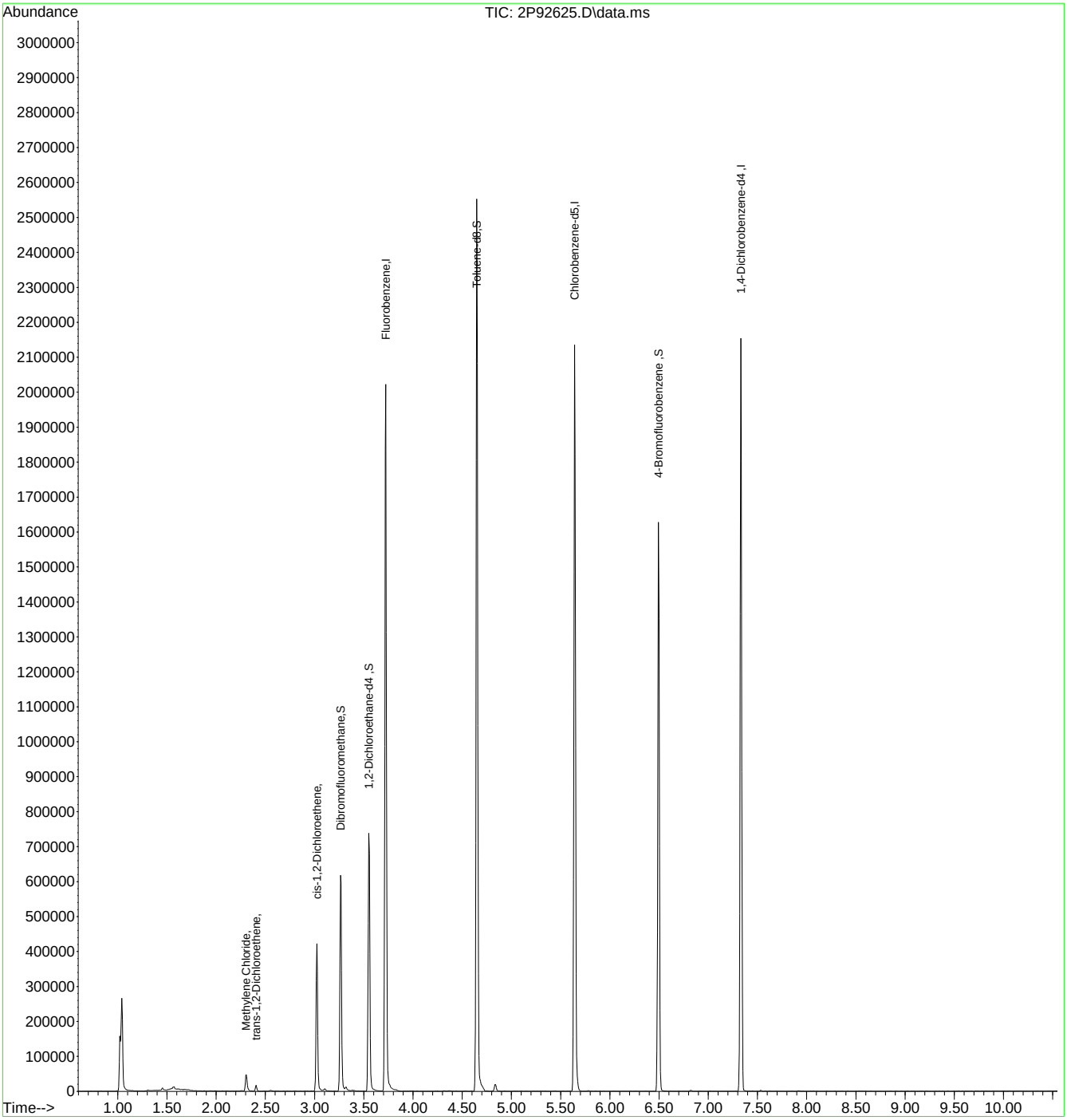
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.723	96	1122654	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.642	117	799760	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.331	152	366314	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.263	113	225879	47.34	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.68%			
49) 1,2-Dichloroethane-d4	3.551	65	327565	49.43	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.86%			
63) Toluene-d8	4.649	98	1081157	49.13	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.26%			
86) 4-Bromofluorobenzene	6.494	174	282751	49.49	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.98%			
Target Compounds						Qvalue
18) Methylene Chloride	2.301	49	16097	2.65	ug/L	90
21) trans-1,2-Dichloroethene	2.406	61	5056	0.94	ug/L	87
32) cis-1,2-Dichloroethene	3.023	96	107376	25.32	ug/L	91

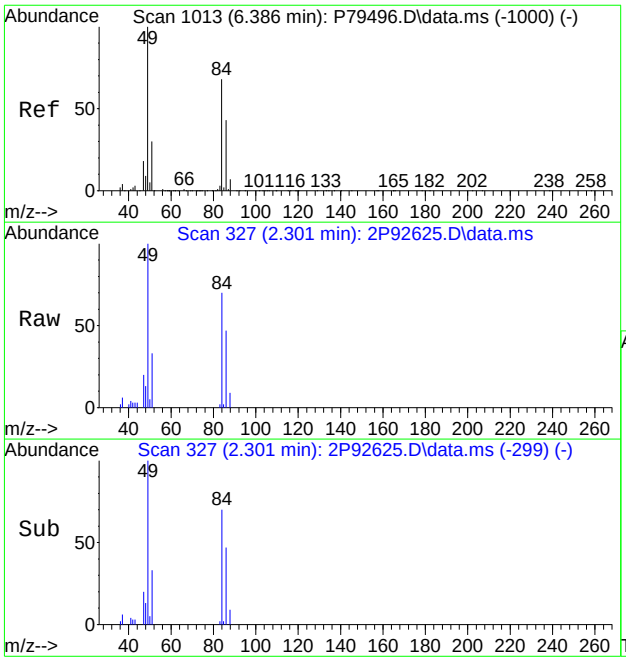
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92625.D
Acq On : 1 Sep 2022 7:30 pm
Operator : courtnef
Sample : FA98468-1,10X
Misc : MS52315,V2P3567,,,,,10X
ALS Vial : 64 Sample Multiplier: 1

Quant Time: Sep 02 02:39:06 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

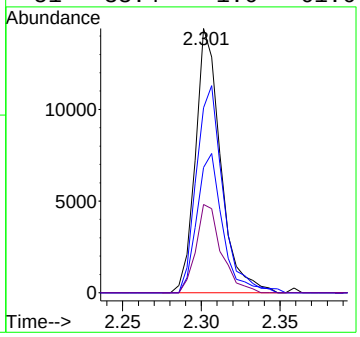


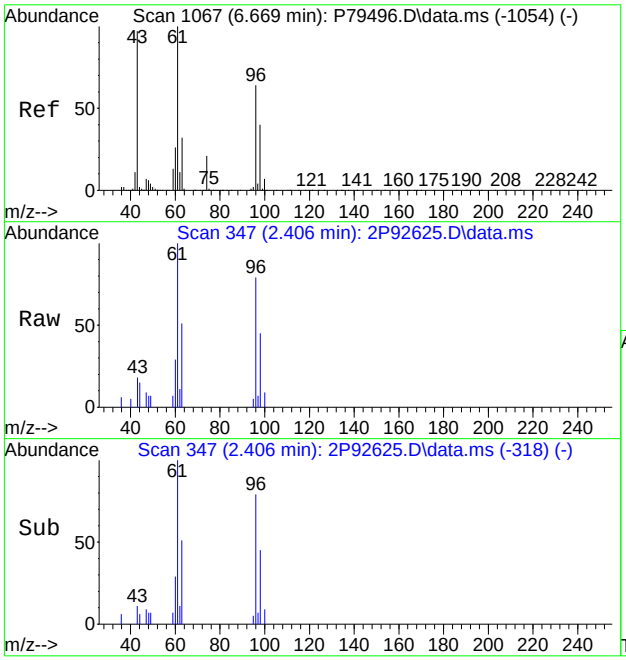


#18
Methylene Chloride
Concen: 2.65 ug/L
RT: 2.301 min Scan# 327
Delta R.T. -0.002 min
Lab File: 2P92625.D
Acq: 1 Sep 2022 7:30 pm

Tgt Ion: 49 Resp: 16097

Ion	Ratio	Lower	Upper
49	100		
84	70.0	52.0	112.0
86	47.4	23.9	83.9
51	33.4	1.6	61.6

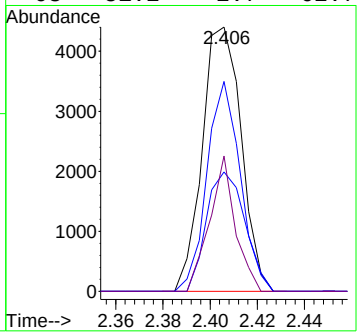


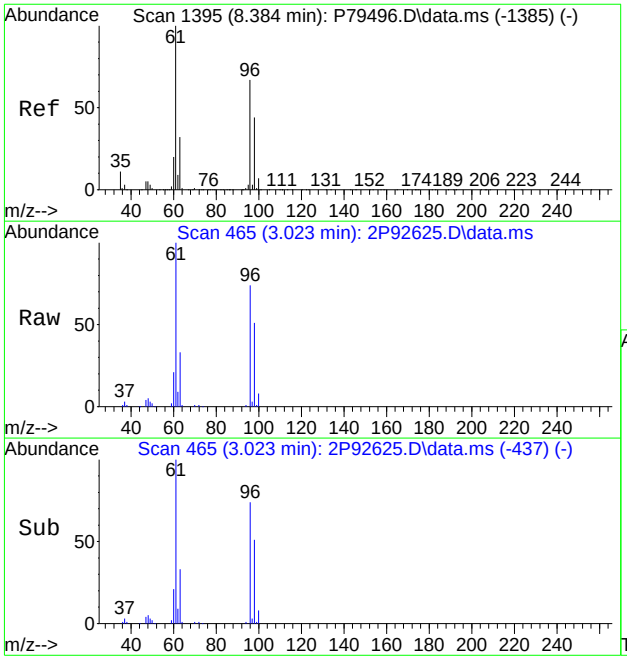


#21
trans-1,2-Dichloroethene
Concen: 0.94 ug/L
RT: 2.406 min Scan# 347
Delta R.T. 0.003 min
Lab File: 2P92625.D
Acq: 1 Sep 2022 7:30 pm

Tgt Ion: 61 Resp: 5056

Ion	Ratio	Lower	Upper
61	100		
96	79.4	40.1	100.1
98	45.2	15.3	75.3
63	51.2	2.7	62.7

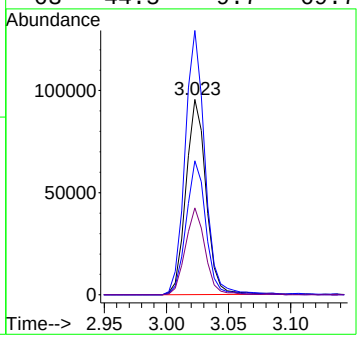




#32
cis-1,2-Dichloroethene
Concen: 25.32 ug/L
RT: 3.023 min Scan# 465
Delta R.T. -0.002 min
Lab File: 2P92625.D
Acq: 1 Sep 2022 7:30 pm

Tgt Ion: 96 Resp: 107376

Ion	Ratio	Lower	Upper
96	100		
61	135.3	93.5	153.5
98	68.6	32.1	92.1
63	44.5	9.7	69.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64475.D
Acq On : 3 Sep 2022 7:05 pm
Operator : adelardl
Sample : FA98468-1 5X
Misc : MS52315,VY2672,,,,,5
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 05 02:19:41 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

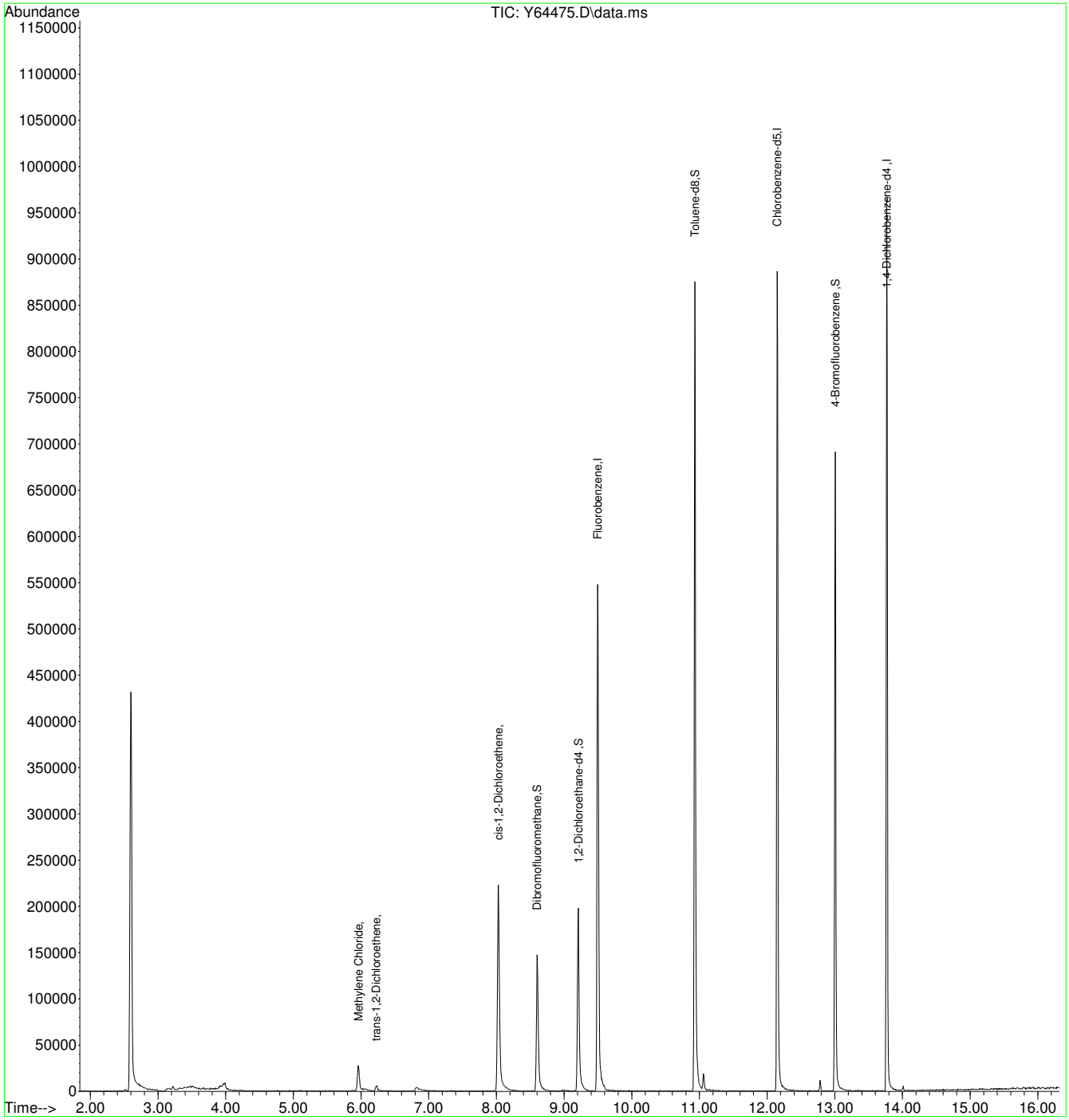
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	434797	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	365098	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	165331	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	89257	45.82	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 91.64%			
49) 1,2-Dichloroethane-d4	9.211	65	130797	54.97	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 109.94%			
63) Toluene-d8	10.932	98	462006	51.16	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 102.32%			
86) 4-Bromofluorobenzene	13.007	174	118052	47.03	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.06%			
Target Compounds						Qvalue
18) Methylene Chloride	5.962	49	20920	5.93	ug/L	91
21) trans-1,2-Dichloroethene	6.224	61	4651	1.57	ug/L	95
32) cis-1,2-Dichloroethene	8.030	96	111120	45.35	ug/L	94

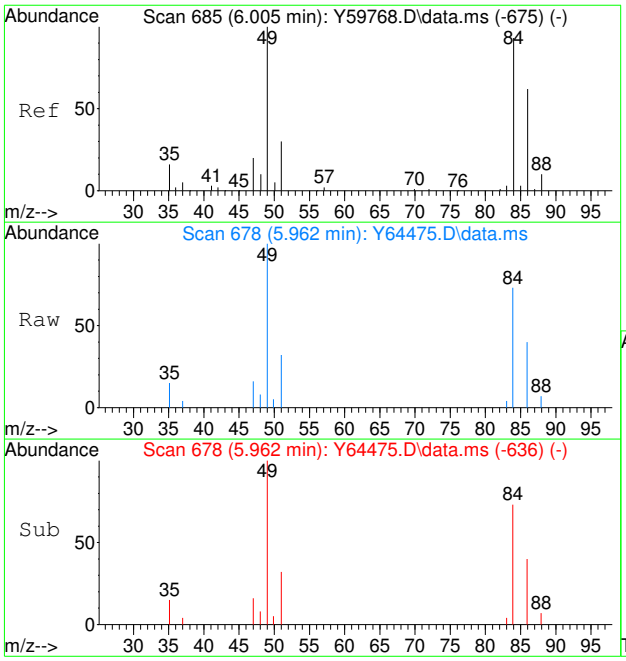
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64475.D
Acq On : 3 Sep 2022 7:05 pm
Operator : adelardl
Sample : FA98468-1 5X
Misc : MS52315,VY2672,,,,,5
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 05 02:19:41 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

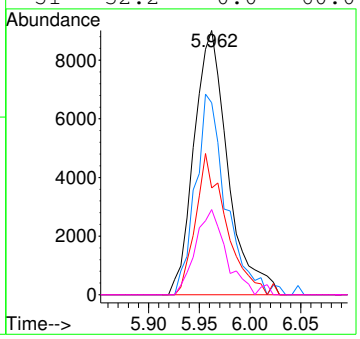


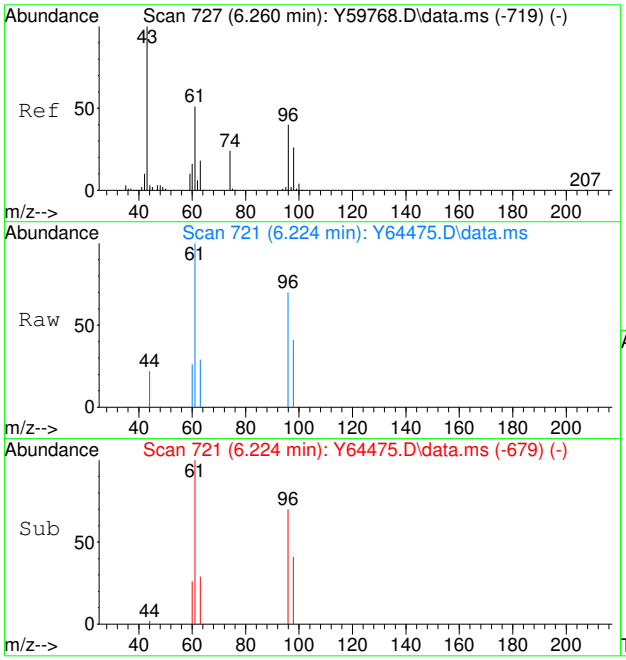


#18
Methylene Chloride
Concen: 5.93 ug/L
RT: 5.962 min Scan# 678
Delta R.T. 0.006 min
Lab File: Y64475.D
Acq: 3 Sep 2022 7:05 pm

Tgt Ion: 49 Resp: 20920

Ion	Ratio	Lower	Upper
49	100		
84	72.6	48.1	108.1
86	40.4	21.4	81.4
51	32.2	0.0	60.0

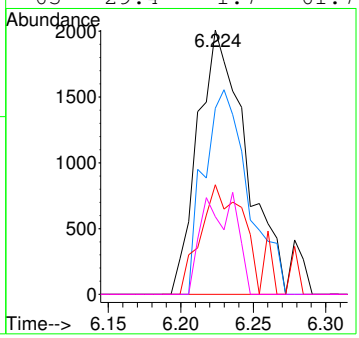


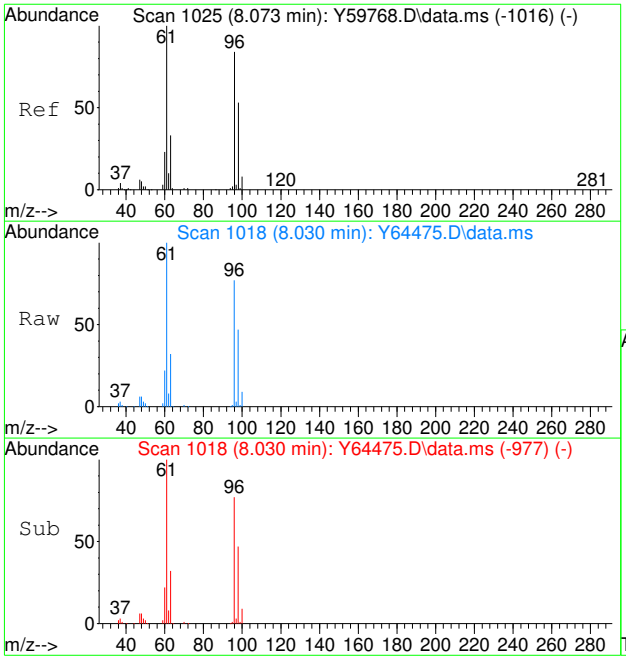


#21
trans-1,2-Dichloroethene
Concen: 1.57 ug/L
RT: 6.224 min Scan# 721
Delta R.T. 0.006 min
Lab File: Y64475.D
Acq: 3 Sep 2022 7:05 pm

Tgt Ion: 61 Resp: 4651

Ion	Ratio	Lower	Upper
61	100		
96	70.3	41.2	101.2
98	41.5	18.7	78.7
63	29.4	1.7	61.7

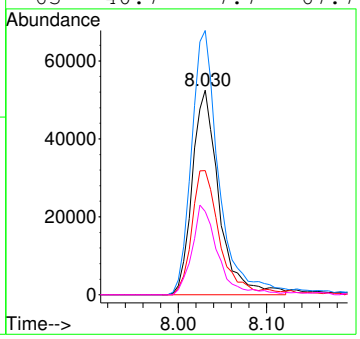




#32
cis-1,2-Dichloroethene
Concen: 45.35 ug/L
RT: 8.030 min Scan# 1018
Delta R.T. -0.000 min
Lab File: Y64475.D
Acq: 3 Sep 2022 7:05 pm

Tgt Ion: 96 Resp: 111120

Ion	Ratio	Lower	Upper
96	100		
61	129.2	91.8	151.8
98	60.7	34.7	94.7
63	40.7	7.7	67.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92675.D
Acq On : 6 Sep 2022 4:22 pm
Operator : courtnef
Sample : FA98468-2
Misc : MS52327,V2P3568,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Sep 07 02:02:26 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

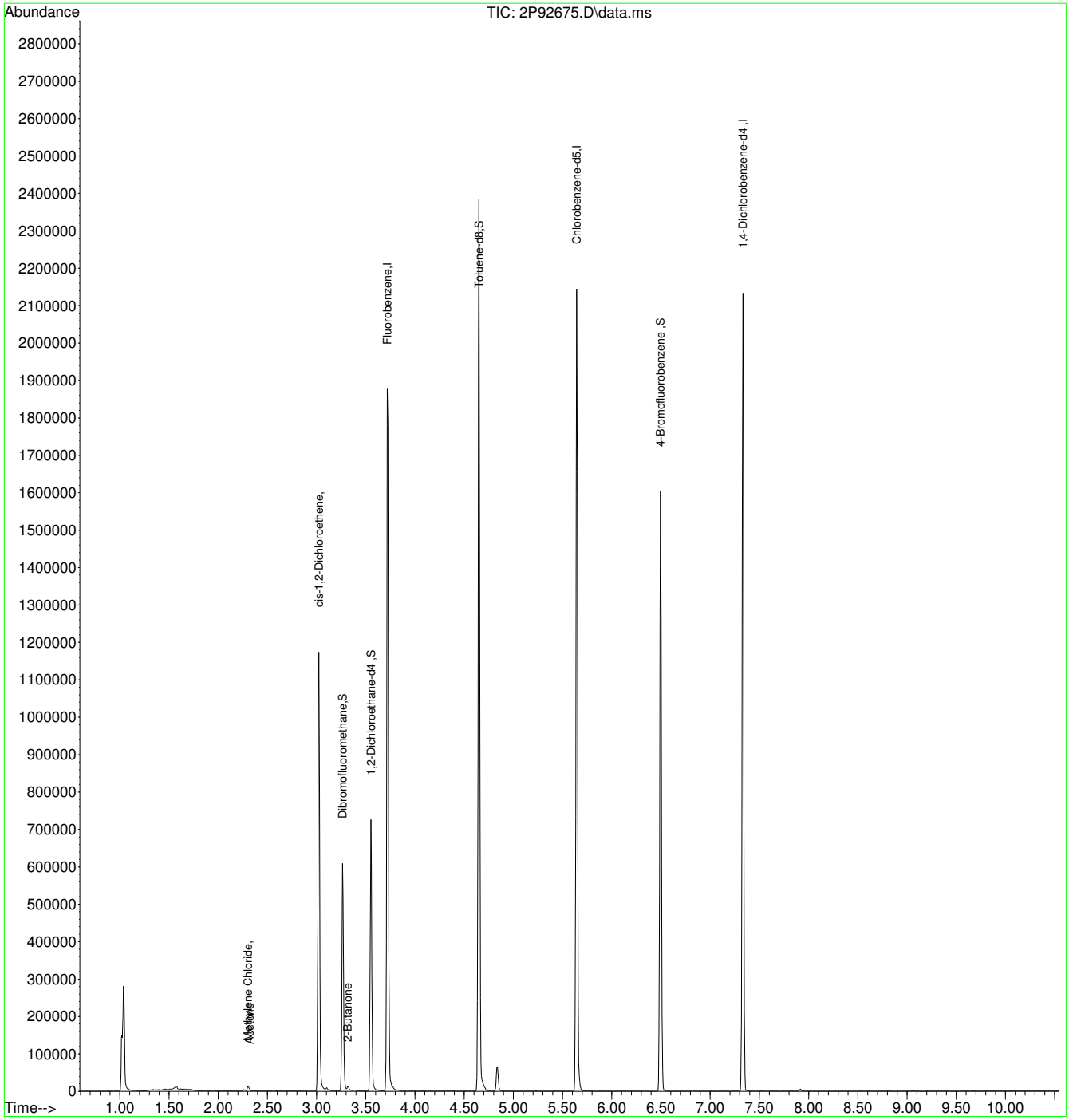
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.719	96	1057309	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.643	117	787217	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.332	152	375033	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.265	113	219914	48.94	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.88%			
49) 1,2-Dichloroethane-d4	3.552	65	318462	51.02	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.04%			
63) Toluene-d8	4.650	98	1032975	47.69	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.38%			
86) 4-Bromofluorobenzene	6.495	174	283599	48.48	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.96%			
Target Compounds						Qvalue
18) Methylene Chloride	2.303	49	4319	0.75	ug/L	92
19) Acetone	2.318	43	4164	1.68	ug/L	95
32) cis-1,2-Dichloroethene	3.024	96	314538	78.77	ug/L	97
42) 2-Butanone	3.317	43	7970	1.93	ug/L	95

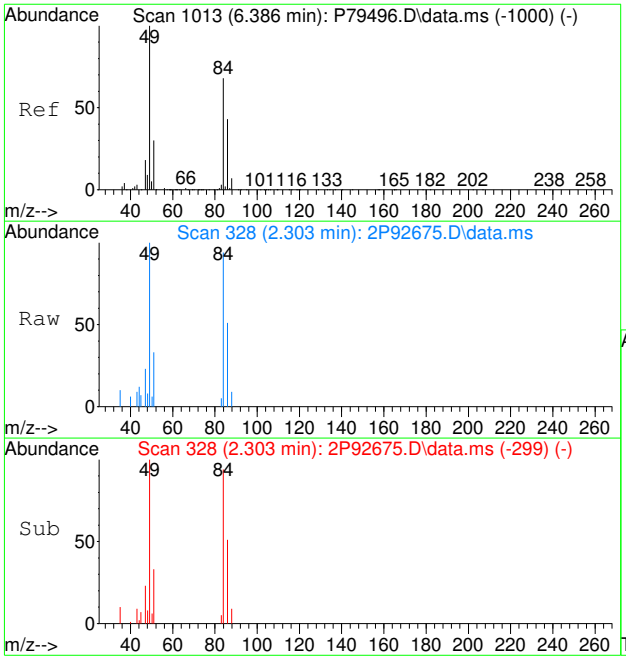
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92675.D
Acq On : 6 Sep 2022 4:22 pm
Operator : courtnef
Sample : FA98468-2
Misc : MS52327,V2P3568,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Sep 07 02:02:26 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

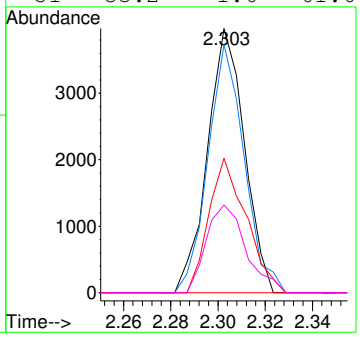


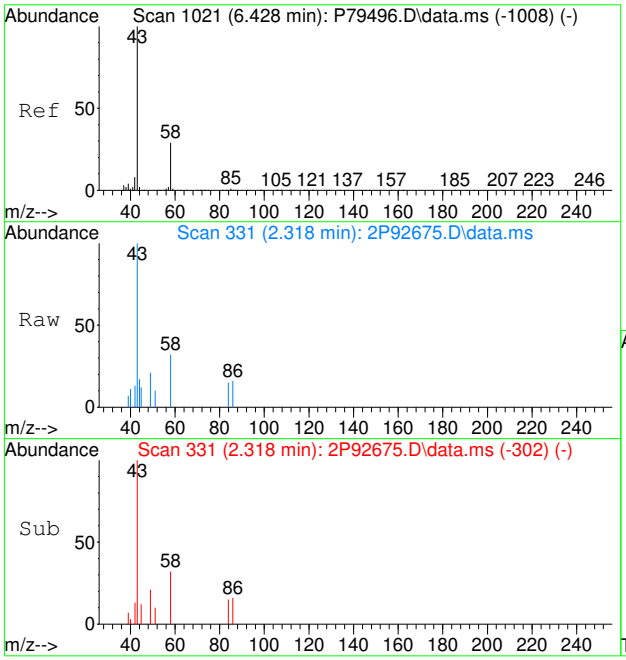


#18
Methylene Chloride
Concen: 0.75 ug/L
RT: 2.303 min Scan# 328
Delta R.T. -0.000 min
Lab File: 2P92675.D
Acq: 6 Sep 2022 4:22 pm

Tgt Ion: 49 Resp: 4319

Ion	Ratio	Lower	Upper
49	100		
84	93.9	52.0	112.0
86	50.9	23.9	83.9
51	33.2	1.6	61.6

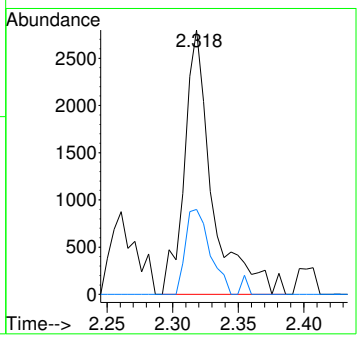


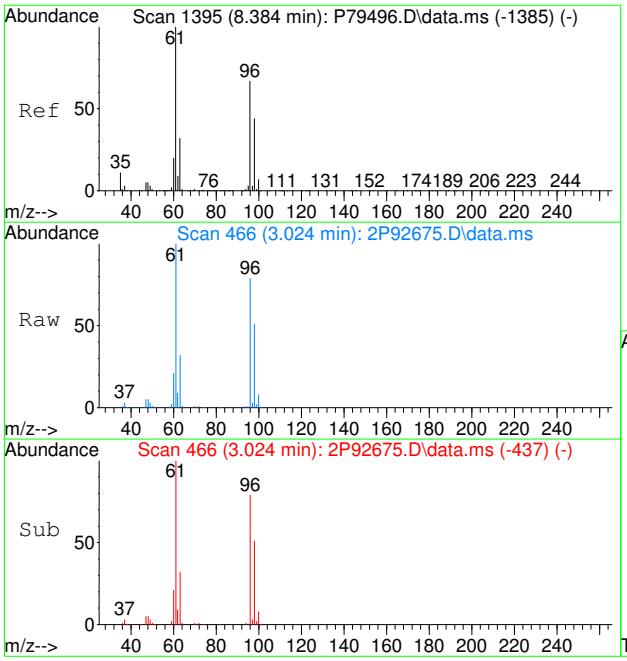


#19
Acetone
Concen: 1.68 ug/L
RT: 2.318 min Scan# 331
Delta R.T. 0.000 min
Lab File: 2P92675.D
Acq: 6 Sep 2022 4:22 pm

Tgt Ion: 43 Resp: 4164

Ion	Ratio	Lower	Upper
43	100		
58	32.1	5.0	65.0

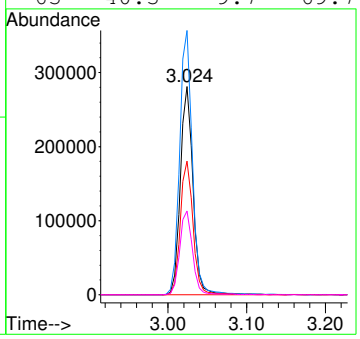


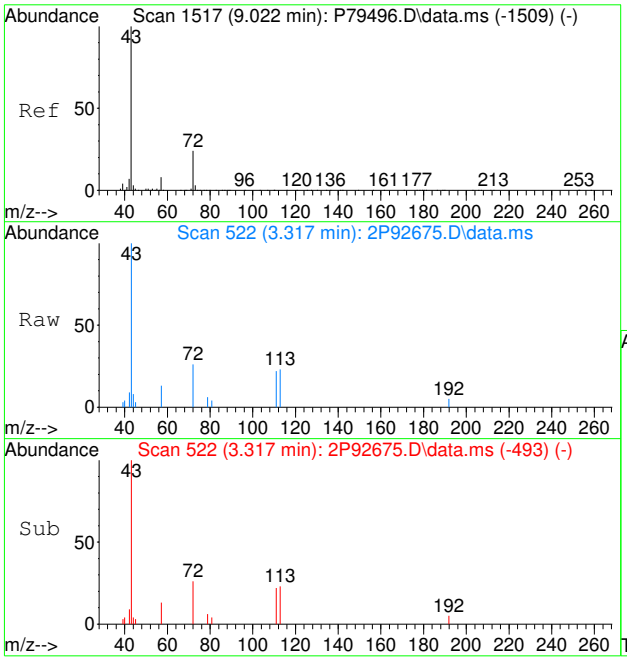


#32
cis-1,2-Dichloroethene
Concen: 78.77 ug/L
RT: 3.024 min Scan# 466
Delta R.T. -0.001 min
Lab File: 2P92675.D
Acq: 6 Sep 2022 4:22 pm

Tgt Ion: 96 Resp: 314538

Ion	Ratio	Lower	Upper
96	100		
61	127.0	93.5	153.5
98	64.3	32.1	92.1
63	40.3	9.7	69.7

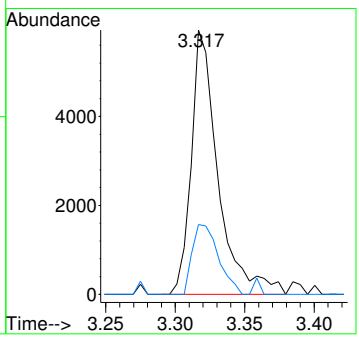




#42
2-Butanone
Concen: 1.93 ug/L
RT: 3.317 min Scan# 522
Delta R.T. -0.000 min
Lab File: 2P92675.D
Acq: 6 Sep 2022 4:22 pm

Tgt Ion: 43 Resp: 7970

Ion	Ratio	Lower	Upper
43	100		
72	26.4	0.0	58.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92677.D
Acq On : 6 Sep 2022 4:54 pm
Operator : courtnef
Sample : FA98468-3
Misc : MS52327,V2P3568,,,,,
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Sep 07 02:02:48 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

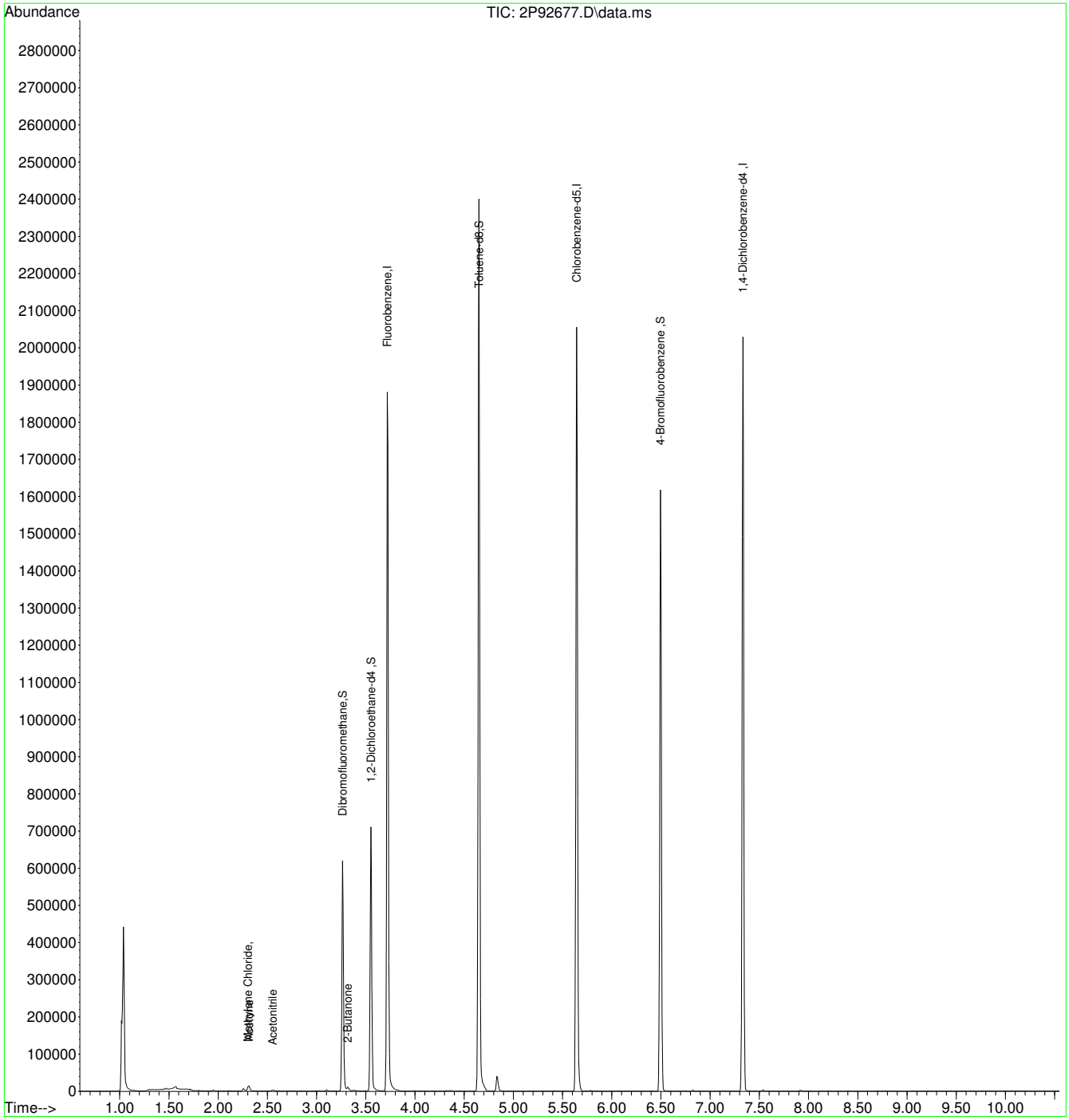
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		3.720	96	1055415	50.00	ug/L	0.00
62) Chlorobenzene-d5		5.643	117	788432	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		7.332	152	371543	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		3.265	113	214998	47.93	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	95.86%		
49) 1,2-Dichloroethane-d4		3.552	65	312294	50.12	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	100.24%		
63) Toluene-d8		4.650	98	1054931	48.63	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	97.26%		
86) 4-Bromofluorobenzene		6.496	174	287471	49.61	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	99.22%		
Target Compounds							Qvalue
18) Methylene Chloride		2.303	49	3296	0.57	ug/L	93
19) Acetone		2.313	43	8559	3.47	ug/L	91
25) Acetonitrile		2.554	41	2587	3.18	ug/L #	77
42) 2-Butanone		3.317	43	7109	1.73	ug/L	98

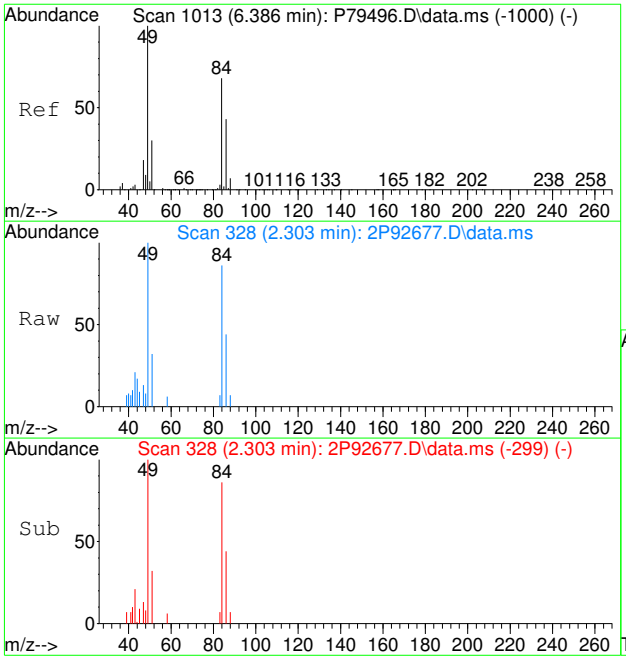
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92677.D
Acq On : 6 Sep 2022 4:54 pm
Operator : courtnef
Sample : FA98468-3
Misc : MS52327,V2P3568,,,,,
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Sep 07 02:02:48 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

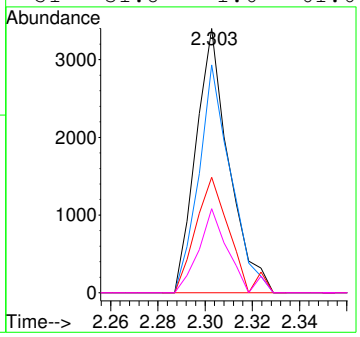


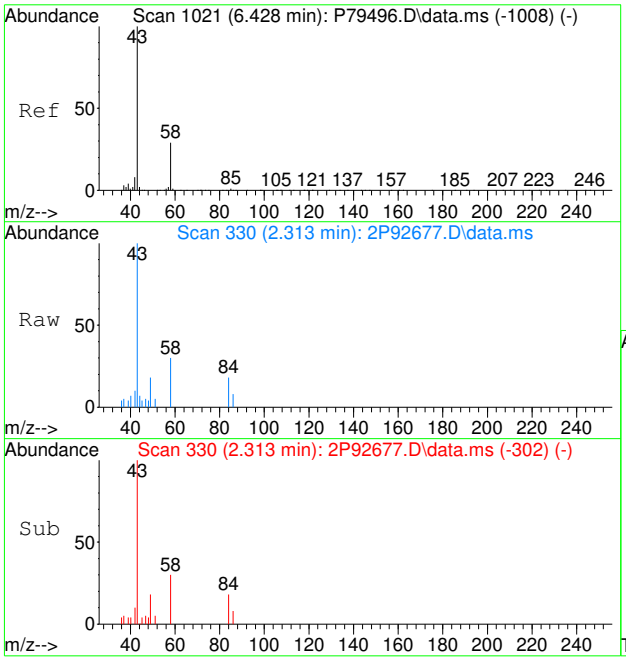


#18
Methylene Chloride
Concen: 0.57 ug/L
RT: 2.303 min Scan# 328
Delta R.T. -0.000 min
Lab File: 2P92677.D
Acq: 6 Sep 2022 4:54 pm

Tgt Ion: 49 Resp: 3296

Ion	Ratio	Lower	Upper
49	100		
84	86.1	52.0	112.0
86	43.7	23.9	83.9
51	31.8	1.6	61.6

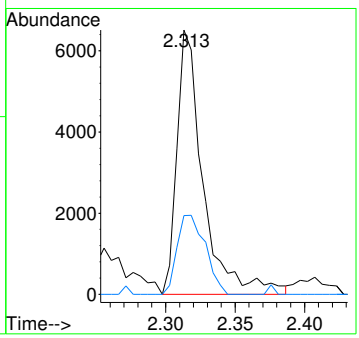


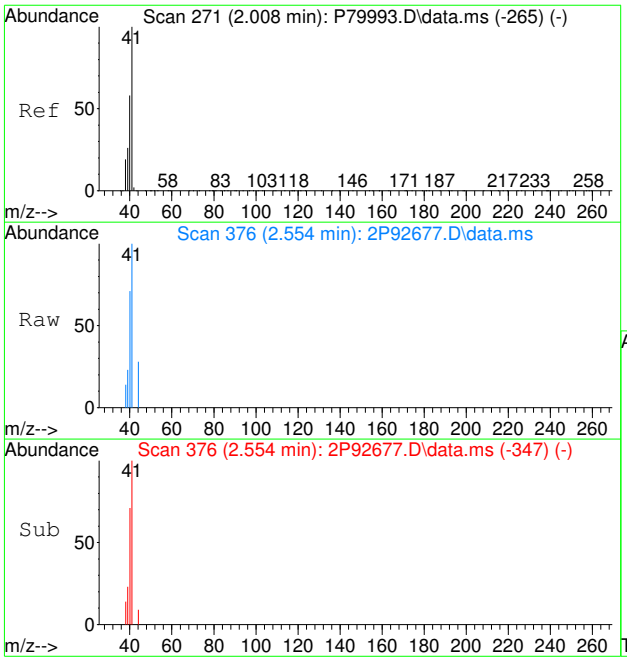


#19
Acetone
Concen: 3.47 ug/L
RT: 2.313 min Scan# 330
Delta R.T. -0.005 min
Lab File: 2P92677.D
Acq: 6 Sep 2022 4:54 pm

Tgt Ion: 43 Resp: 8559

Ion	Ratio	Lower	Upper
43	100		
58	29.8	5.0	65.0

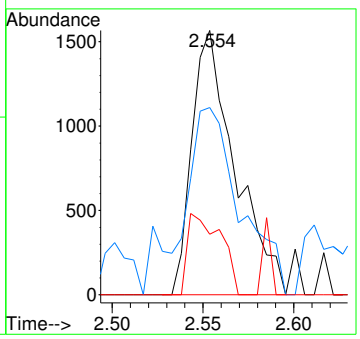


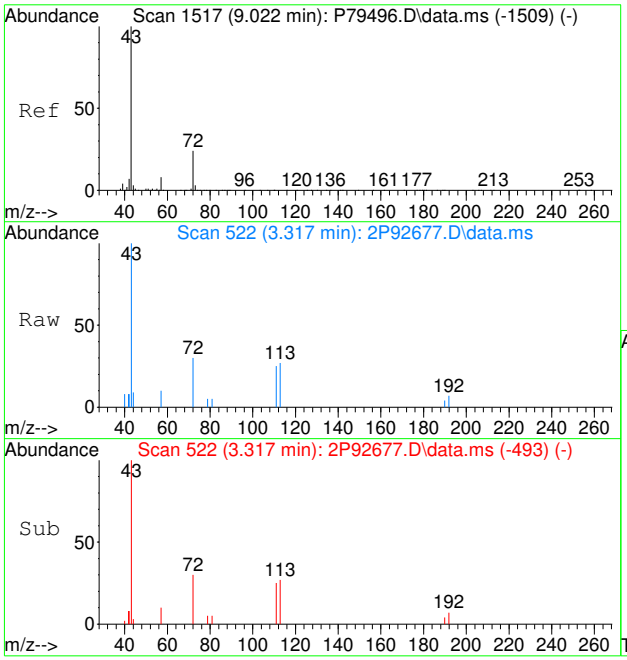


#25
Acetonitrile
Concen: 3.18 ug/L
RT: 2.554 min Scan# 376
Delta R.T. -0.000 min
Lab File: 2P92677.D
Acq: 6 Sep 2022 4:54 pm

Tgt Ion: 41 Resp: 2587

Ion	Ratio	Lower	Upper
41	100		
40	70.9	29.8	69.8#
39	22.9	0.5	40.5

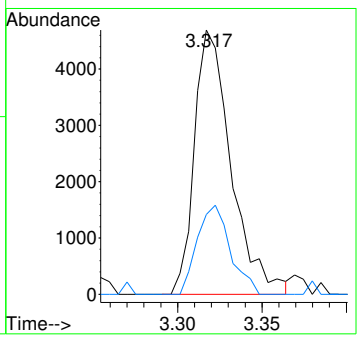




#42
2-Butanone
Concen: 1.73 ug/L
RT: 3.317 min Scan# 522
Delta R.T. 0.000 min
Lab File: 2P92677.D
Acq: 6 Sep 2022 4:54 pm

Tgt Ion: 43 Resp: 7109

Ion	Ratio	Lower	Upper
43	100		
72	30.2	0.0	58.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92679.D
Acq On : 6 Sep 2022 5:26 pm
Operator : courtnef
Sample : FA98468-4
Misc : MS52327,V2P3568,,,,,
ALS Vial : 63 Sample Multiplier: 1

Quant Time: Sep 07 02:03:22 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

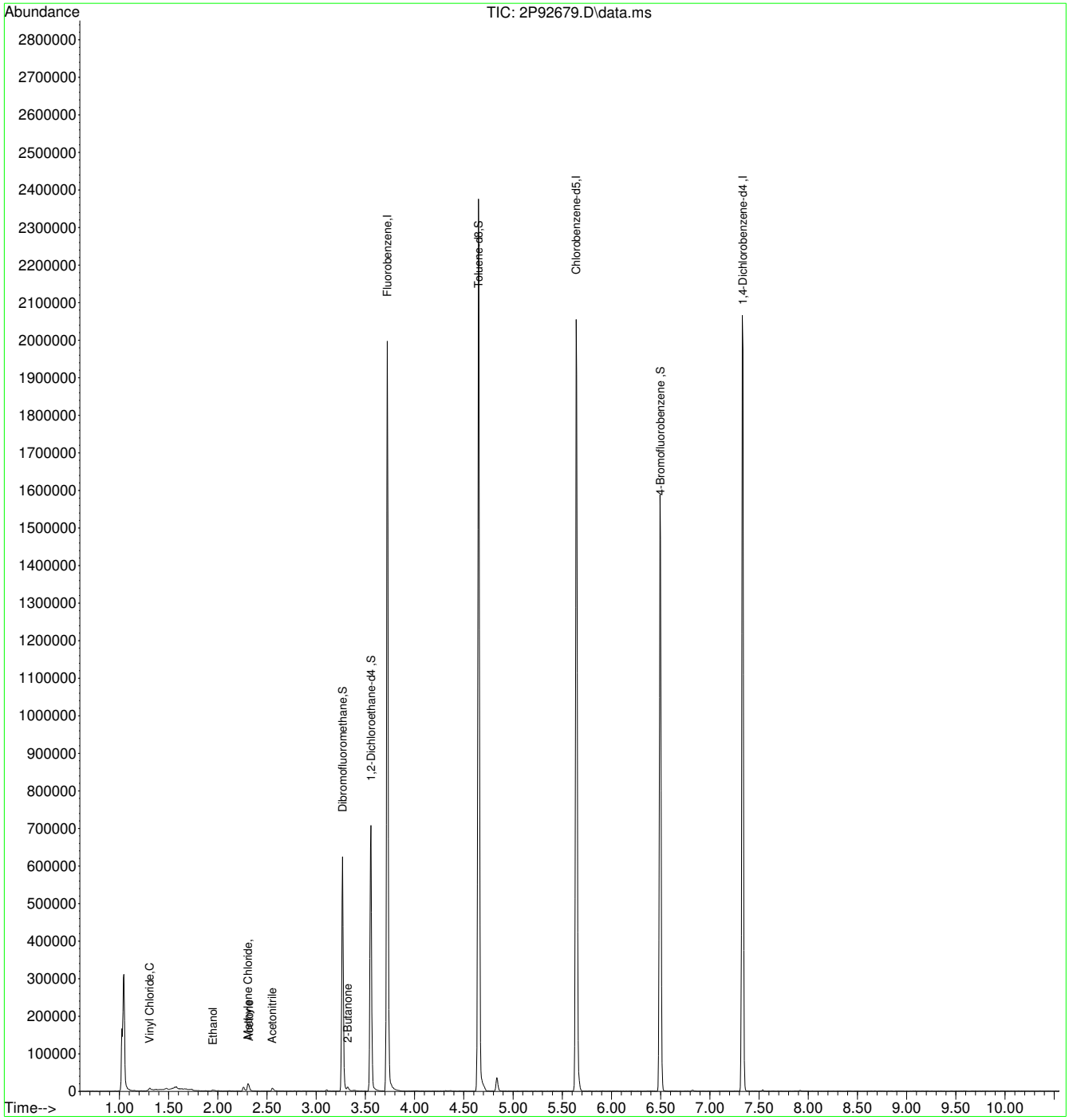
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		3.723	96	1081832	50.00	ug/L	0.00
62) Chlorobenzene-d5		5.642	117	793144	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		7.335	152	376934	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		3.268	113	217046	47.20	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	94.40%		
49) 1,2-Dichloroethane-d4		3.556	65	316166	49.51	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	99.02%		
63) Toluene-d8		4.648	98	1050316	48.13	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	96.26%		
86) 4-Bromofluorobenzene		6.499	174	289064	49.17	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	98.34%		
Target Compounds							Qvalue
5) Vinyl Chloride		1.308	62	2724	0.68	ug/L	98
10) Ethanol		1.951	45	3525	29.23	ug/L	95
18) Methylene Chloride		2.306	49	6116	1.04	ug/L	98
19) Acetone		2.317	43	6304	2.49	ug/L	90
25) Acetonitrile		2.552	41	7067	8.48	ug/L	94
42) 2-Butanone		3.320	43	7531	1.79	ug/L	97

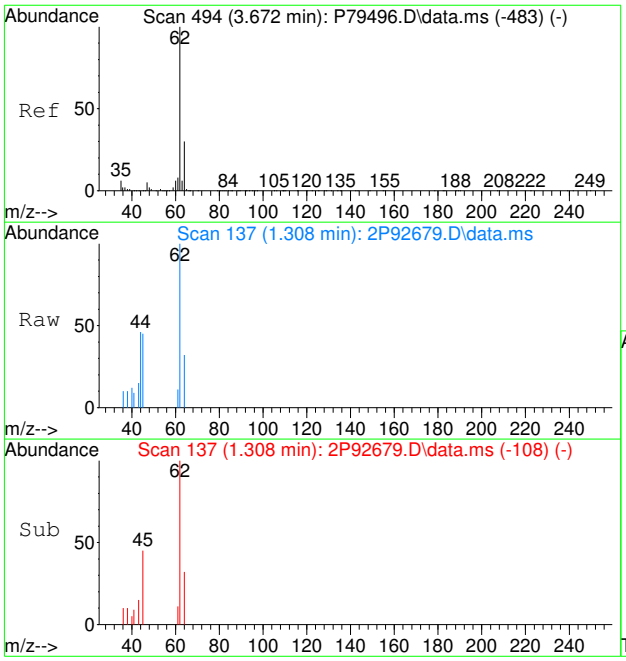
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92679.D
Acq On : 6 Sep 2022 5:26 pm
Operator : courtnef
Sample : FA98468-4
Misc : MS52327,V2P3568,,,,,
ALS Vial : 63 Sample Multiplier: 1

Quant Time: Sep 07 02:03:22 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

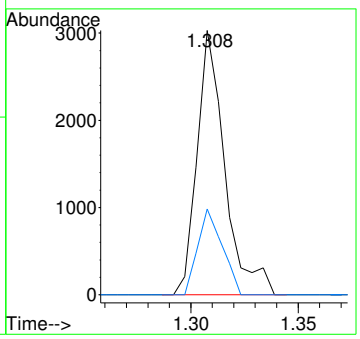


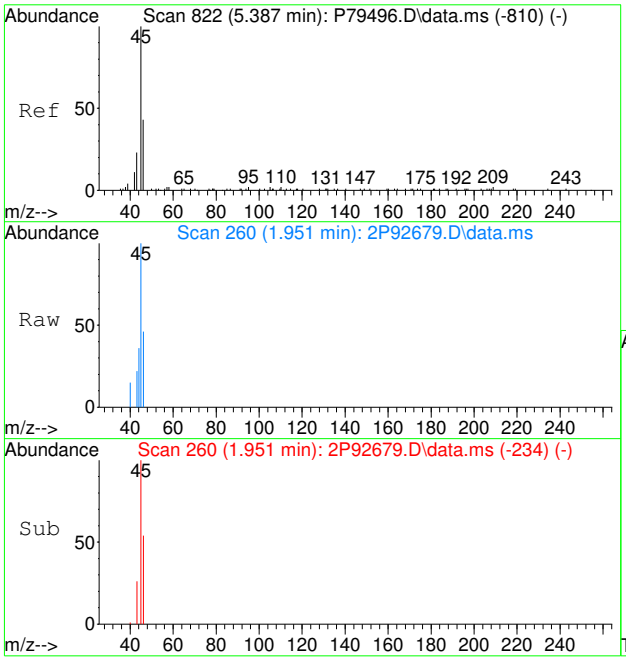


#5
Vinyl Chloride
Concen: 0.68 ug/L
RT: 1.308 min Scan# 137
Delta R.T. 0.003 min
Lab File: 2P92679.D
Acq: 6 Sep 2022 5:26 pm

Tgt Ion: 62 Resp: 2724

Ion	Ratio	Lower	Upper
62	100		
64	32.4	1.3	61.3

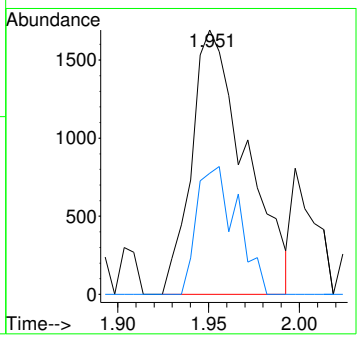


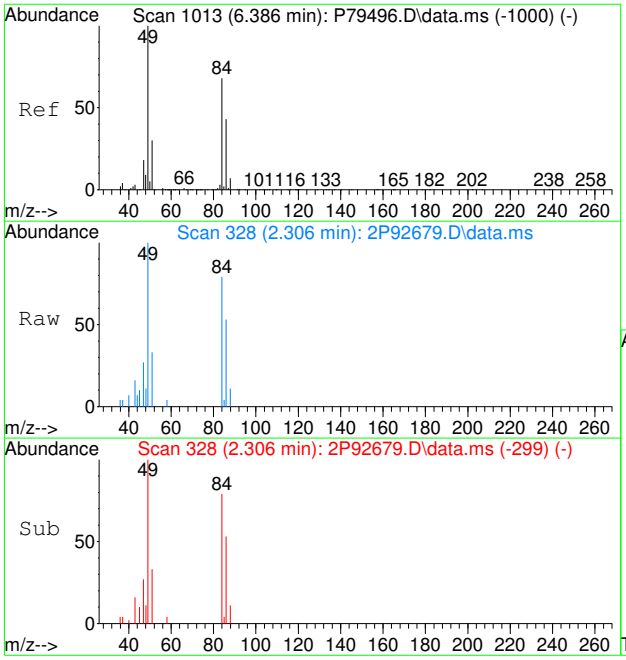


#10
Ethanol
Concen: 29.23 ug/L
RT: 1.951 min Scan# 260
Delta R.T. -0.012 min
Lab File: 2P92679.D
Acq: 6 Sep 2022 5:26 pm

Tgt Ion: 45 Resp: 3525

Ion	Ratio	Lower	Upper
45	100		
46	45.8	22.7	62.7

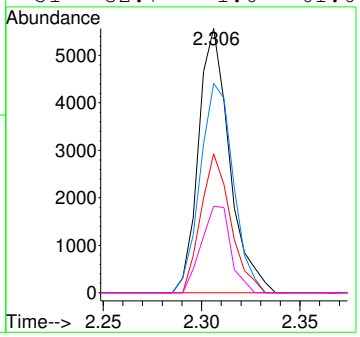


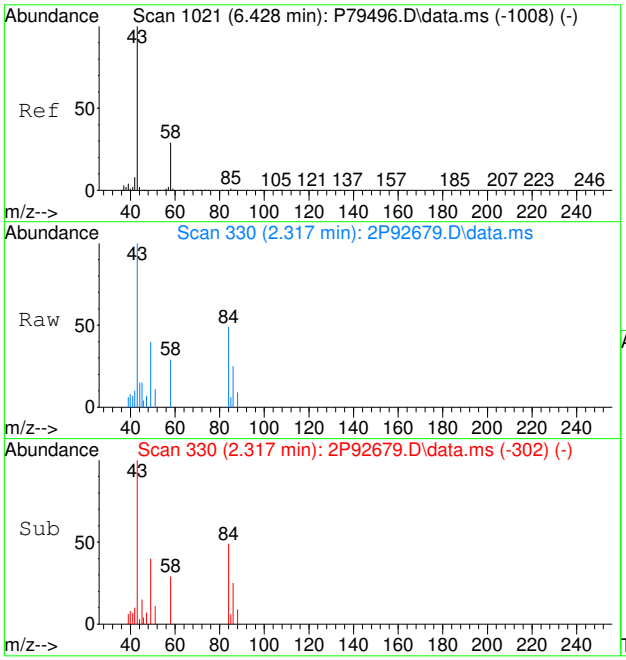


#18
Methylene Chloride
Concen: 1.04 ug/L
RT: 2.306 min Scan# 328
Delta R.T. 0.003 min
Lab File: 2P92679.D
Acq: 6 Sep 2022 5:26 pm

Tgt Ion: 49 Resp: 6116

Ion	Ratio	Lower	Upper
49	100		
84	79.2	52.0	112.0
86	52.6	23.9	83.9
51	32.7	1.6	61.6

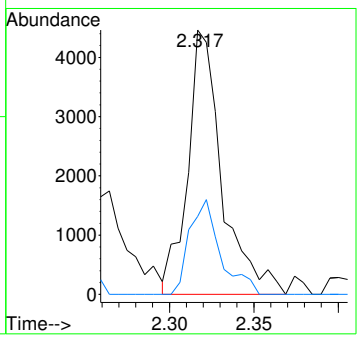


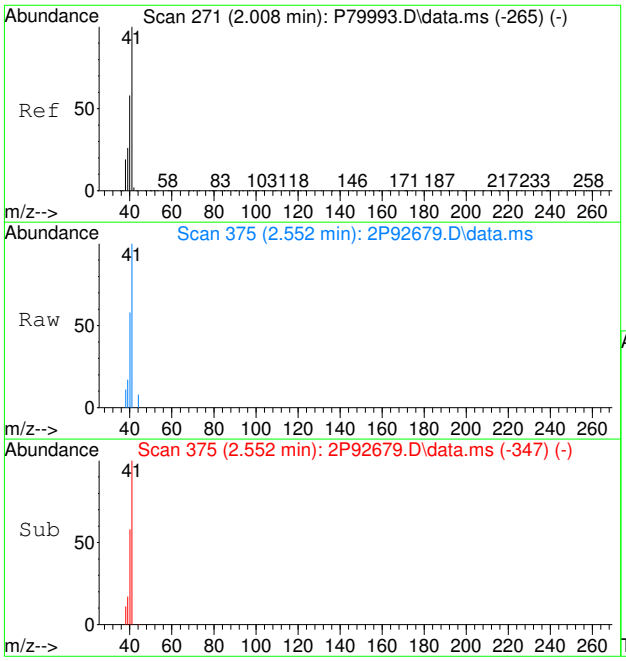


#19
Acetone
Concen: 2.49 ug/L
RT: 2.317 min Scan# 330
Delta R.T. -0.001 min
Lab File: 2P92679.D
Acq: 6 Sep 2022 5:26 pm

Tgt Ion: 43 Resp: 6304

Ion	Ratio	Lower	Upper
43	100		
58	29.5	5.0	65.0

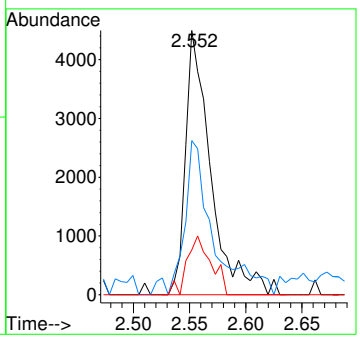


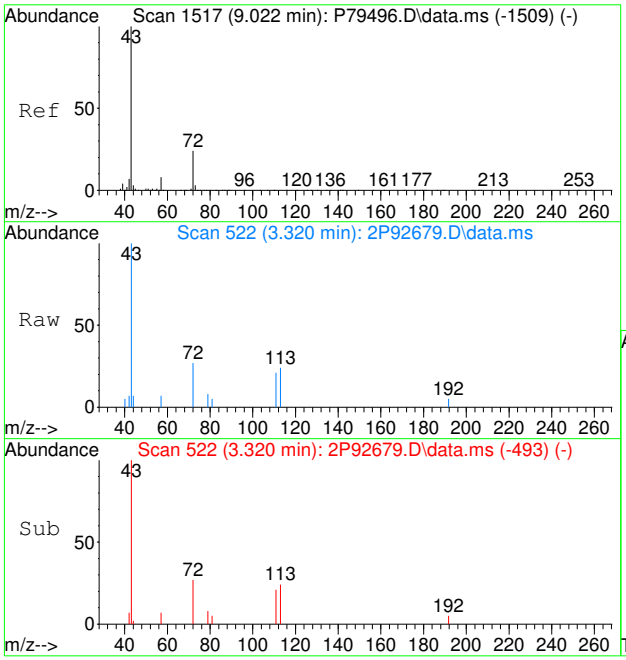


#25
Acetonitrile
Concen: 8.48 ug/L
RT: 2.552 min Scan# 375
Delta R.T. -0.002 min
Lab File: 2P92679.D
Acq: 6 Sep 2022 5:26 pm

Tgt Ion: 41 Resp: 7067

Ion	Ratio	Lower	Upper
41	100		
40	53.7	29.8	69.8
39	17.0	0.5	40.5

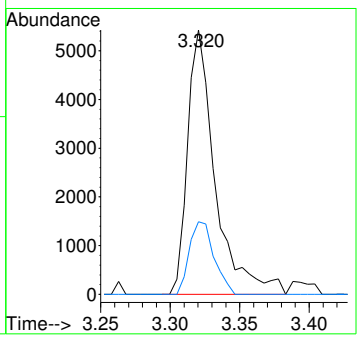




#42
2-Butanone
Concen: 1.79 ug/L
RT: 3.320 min Scan# 522
Delta R.T. 0.003 min
Lab File: 2P92679.D
Acq: 6 Sep 2022 5:26 pm

Tgt Ion: 43 Resp: 7531

Ion	Ratio	Lower	Upper
43	100		
72	27.5	0.0	58.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34002.d
Acq On : 7 Sep 2022 12:55 pm
Operator : courtnef
Sample : FA98468-4
Misc : MS52327,V5E1550,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 21:43:06 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

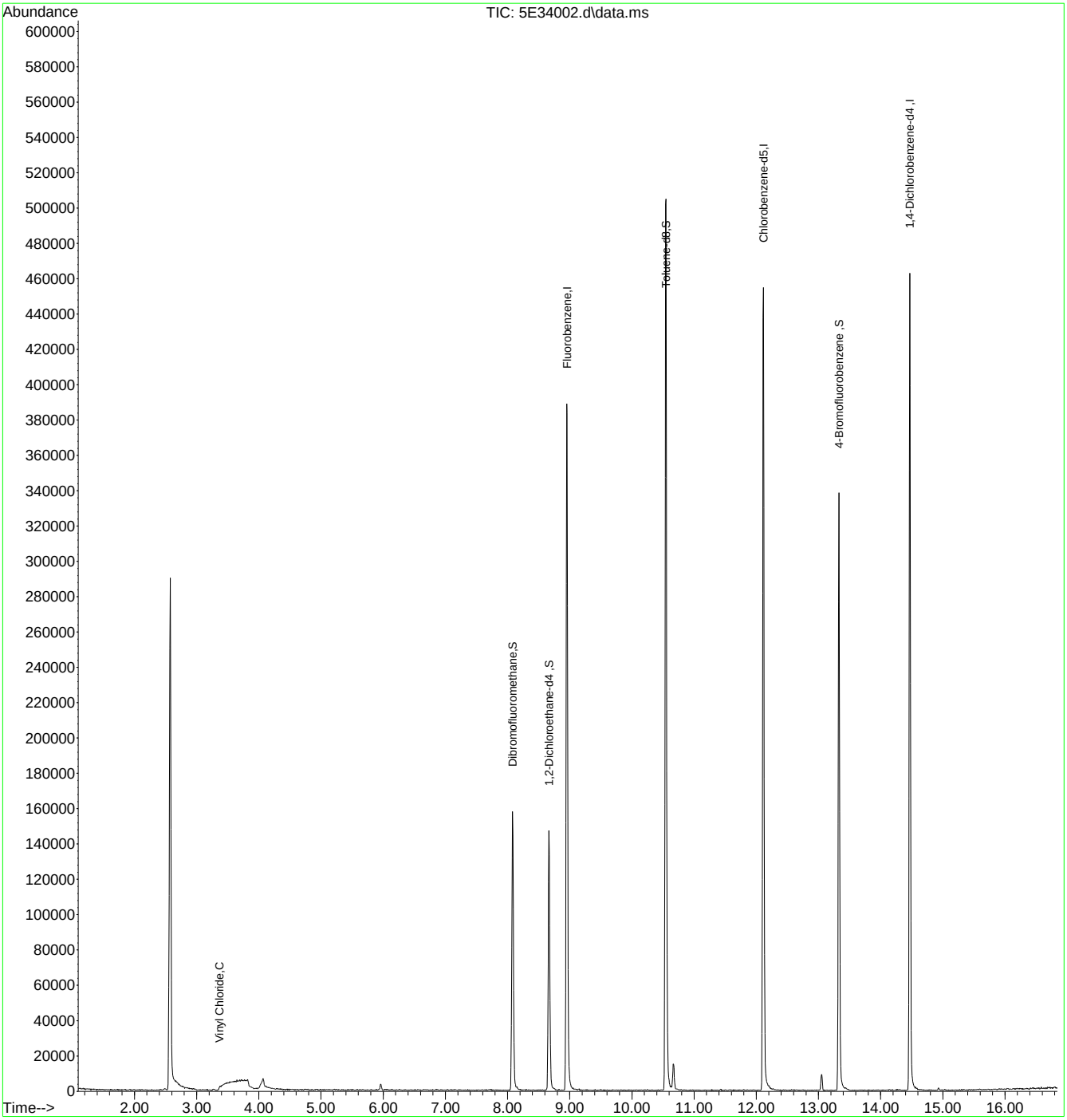
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.957	96	315521	50.00	ug/L	0.00
61) Chlorobenzene-d5	12.115	117	235789	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	108686	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.079	113	90404	49.93	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.86%			
49) 1,2-Dichloroethane-d4	8.665	65	90058	48.60	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.20%			
62) Toluene-d8	10.548	98	304464	49.82	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.64%			
86) 4-Bromofluorobenzene	13.328	95	102818	51.26	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.52%			
Target Compounds						Qvalue
4) Vinyl Chloride	3.367	62	1006	0.57	ug/L	91

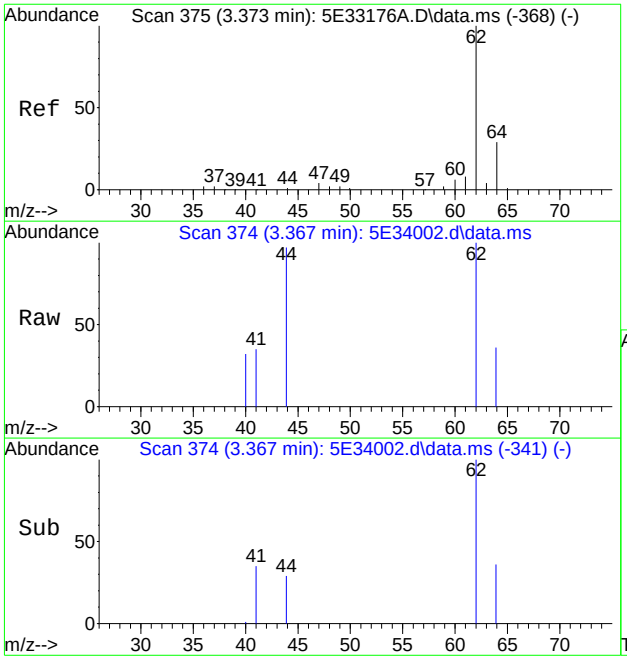
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34002.d
Acq On : 7 Sep 2022 12:55 pm
Operator : courtnef
Sample : FA98468-4
Misc : MS52327,V5E1550,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 21:43:06 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

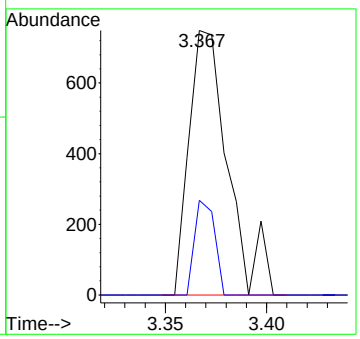




#4
Vinyl Chloride
Concen: 0.57 ug/L
RT: 3.367 min Scan# 374
Delta R.T. -0.000 min
Lab File: 5E34002.d
Acq: 7 Sep 2022 12:55 pm

Tgt Ion: 62 Resp: 1006

Ion	Ratio	Lower	Upper
62	100		
64	35.8	1.1	61.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92681.D
Acq On : 6 Sep 2022 5:58 pm
Operator : courtnef
Sample : FA98468-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 64 Sample Multiplier: 1

Quant Time: Sep 07 02:03:46 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

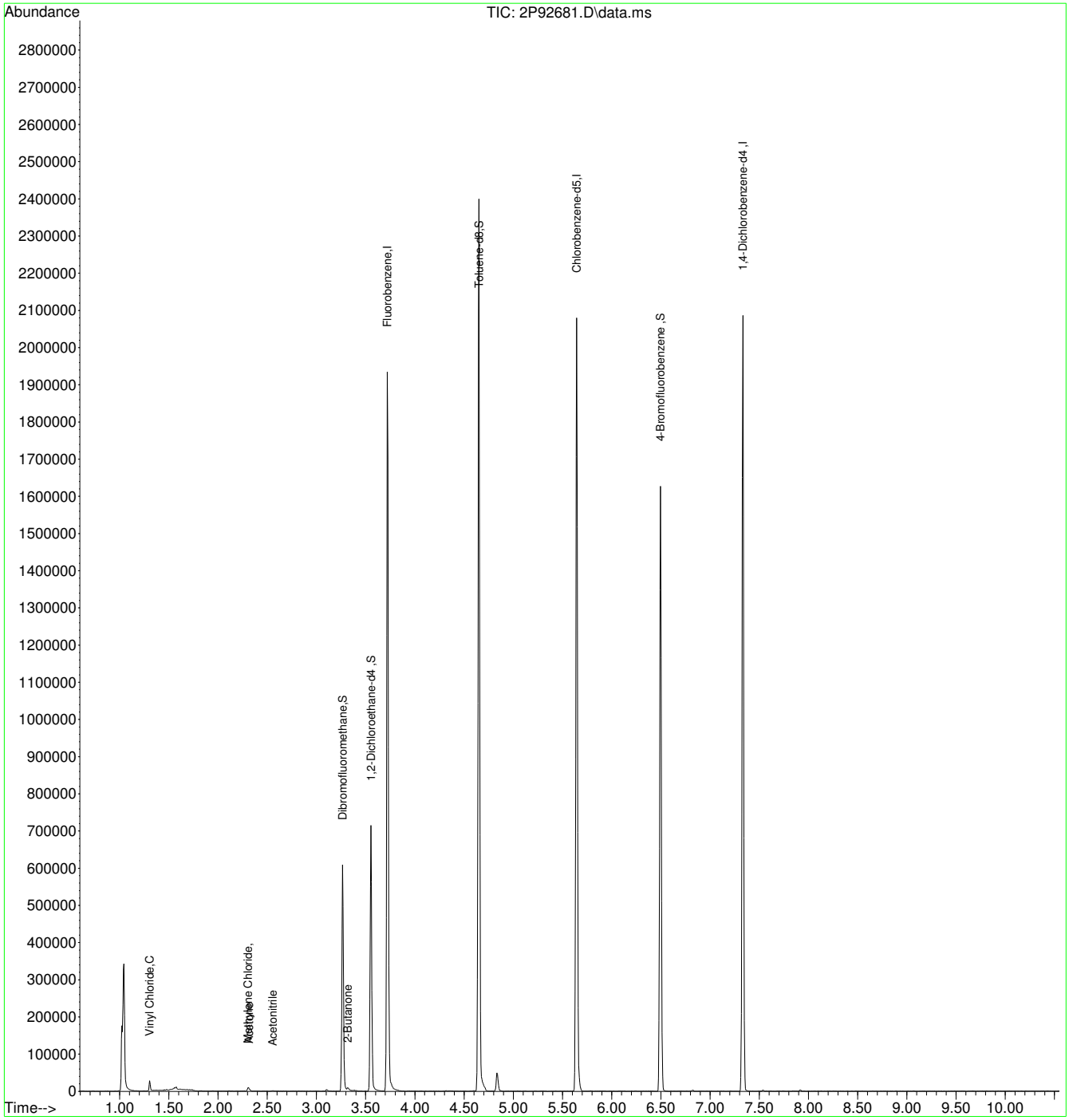
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1060098	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	781766	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	373013	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.265	113	211751	47.00	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.00%			
49) 1,2-Dichloroethane-d4	3.553	65	308785	49.34	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.68%			
63) Toluene-d8	4.651	98	1034787	48.10	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.20%			
86) 4-Bromofluorobenzene	6.496	174	284390	48.88	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.76%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.305	62	13634	3.46	ug/L	100
18) Methylene Chloride	2.303	49	3175	0.55	ug/L	97
19) Acetone	2.314	43	3252	1.31	ug/L	91
25) Acetonitrile	2.554	41	1129	1.38	ug/L	86
42) 2-Butanone	3.318	43	5691	1.38	ug/L	98

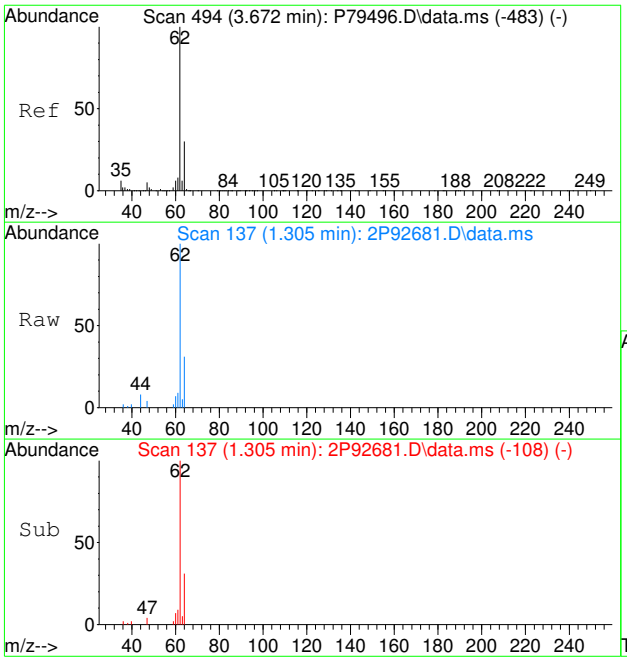
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92681.D
Acq On : 6 Sep 2022 5:58 pm
Operator : courtnef
Sample : FA98468-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 64 Sample Multiplier: 1

Quant Time: Sep 07 02:03:46 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

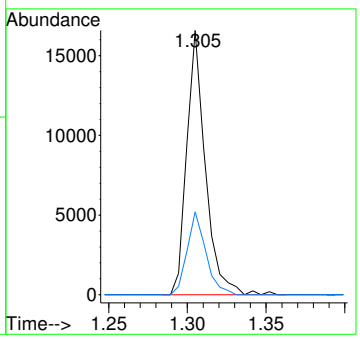


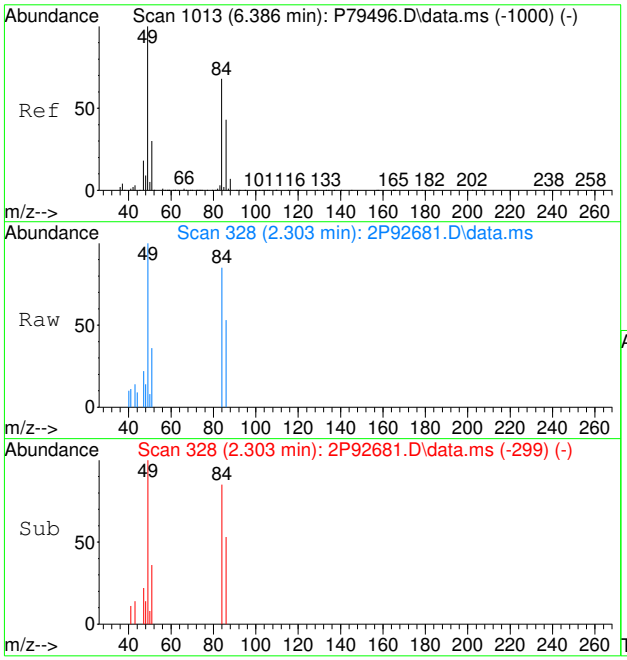


#5
Vinyl Chloride
Concen: 3.46 ug/L
RT: 1.305 min Scan# 137
Delta R.T. 0.000 min
Lab File: 2P92681.D
Acq: 6 Sep 2022 5:58 pm

Tgt Ion: 62 Resp: 13634

Ion	Ratio	Lower	Upper
62	100		
64	31.3	1.3	61.3

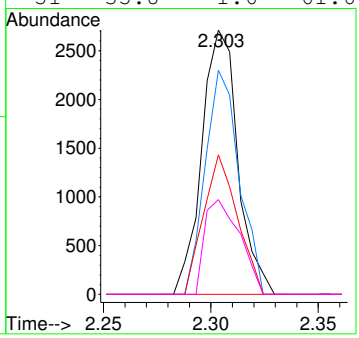


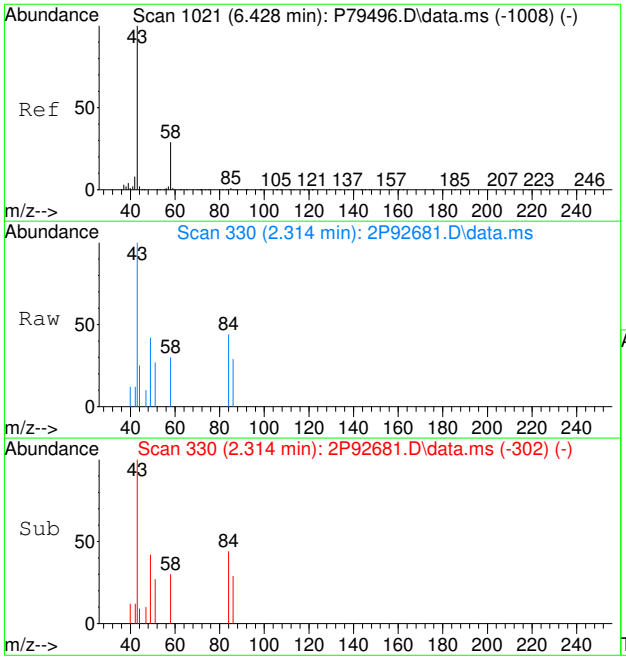


#18
Methylene Chloride
Concen: 0.55 ug/L
RT: 2.303 min Scan# 328
Delta R.T. 0.000 min
Lab File: 2P92681.D
Acq: 6 Sep 2022 5:58 pm

Tgt Ion: 49 Resp: 3175

Ion	Ratio	Lower	Upper
49	100		
84	84.9	52.0	112.0
86	52.8	23.9	83.9
51	35.8	1.6	61.6

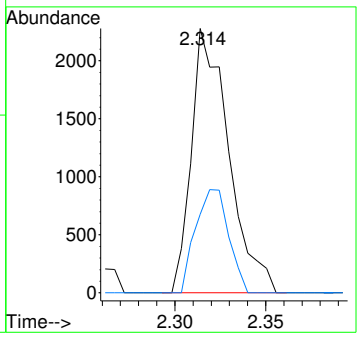


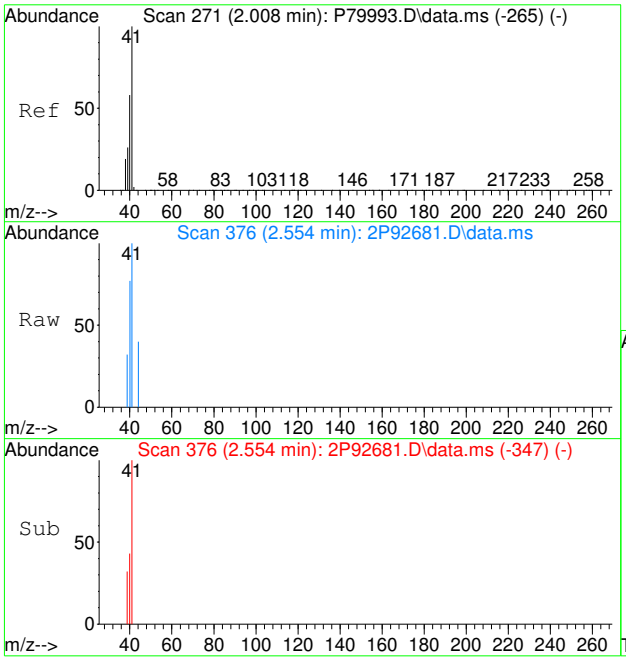


#19
Acetone
Concen: 1.31 ug/L
RT: 2.314 min Scan# 330
Delta R.T. -0.004 min
Lab File: 2P92681.D
Acq: 6 Sep 2022 5:58 pm

Tgt Ion: 43 Resp: 3252

Ion	Ratio	Lower	Upper
43	100		
58	29.7	5.0	65.0

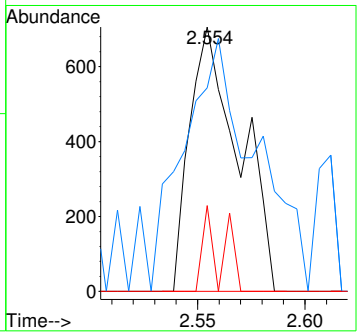


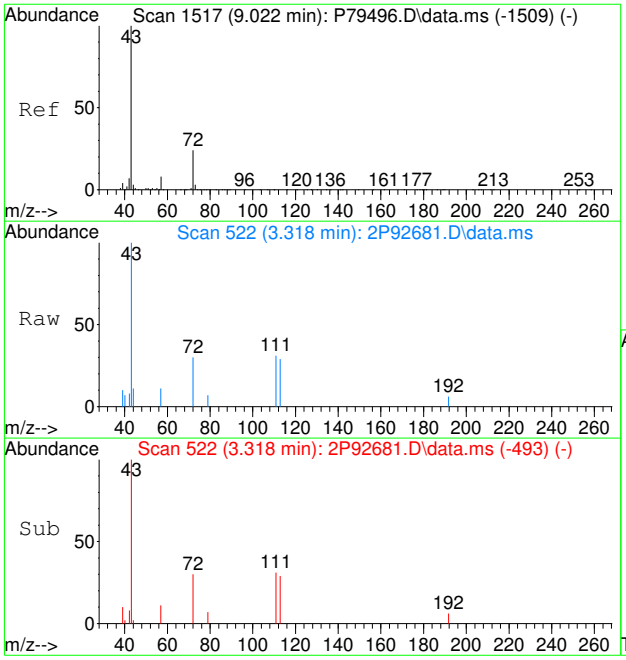


#25
Acetonitrile
Concen: 1.38 ug/L
RT: 2.554 min Scan# 376
Delta R.T. 0.000 min
Lab File: 2P92681.D
Acq: 6 Sep 2022 5:58 pm

Tgt Ion: 41 Resp: 1129

Ion	Ratio	Lower	Upper
41	100		
40	43.6	29.8	69.8
39	32.4	0.5	40.5

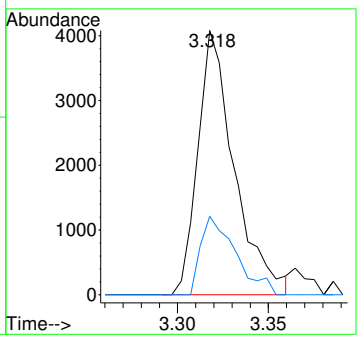




#42
2-Butanone
Concen: 1.38 ug/L
RT: 3.318 min Scan# 522
Delta R.T. 0.001 min
Lab File: 2P92681.D
Acq: 6 Sep 2022 5:58 pm

Tgt Ion: 43 Resp: 5691

Ion	Ratio	Lower	Upper
43	100		
72	29.7	0.0	58.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34003.d
Acq On : 7 Sep 2022 1:18 pm
Operator : courtnef
Sample : FA98468-5
Misc : MS52327,V5E1550,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 07 21:44:17 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

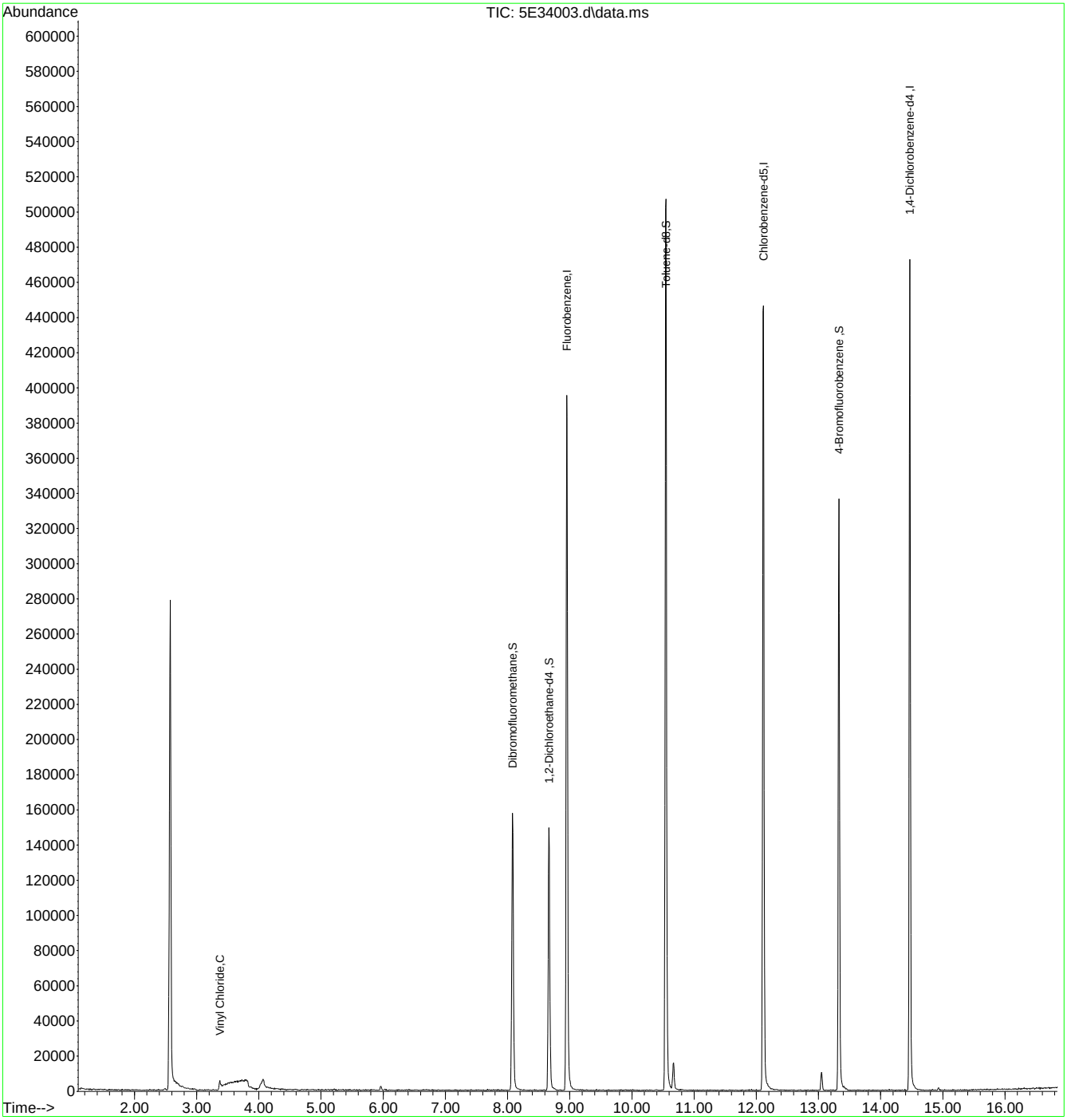
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.951	96	316301	50.00	ug/L	0.00
61) Chlorobenzene-d5	12.115	117	234788	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	111252	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.079	113	92207	50.80	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.60%			
49) 1,2-Dichloroethane-d4	8.665	65	92496	49.80	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.60%			
62) Toluene-d8	10.548	98	304815	50.09	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.18%			
86) 4-Bromofluorobenzene	13.328	95	102813	50.07	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.14%			
Target Compounds						Qvalue
4) Vinyl Chloride	3.373	62	4579	2.59	ug/L	93

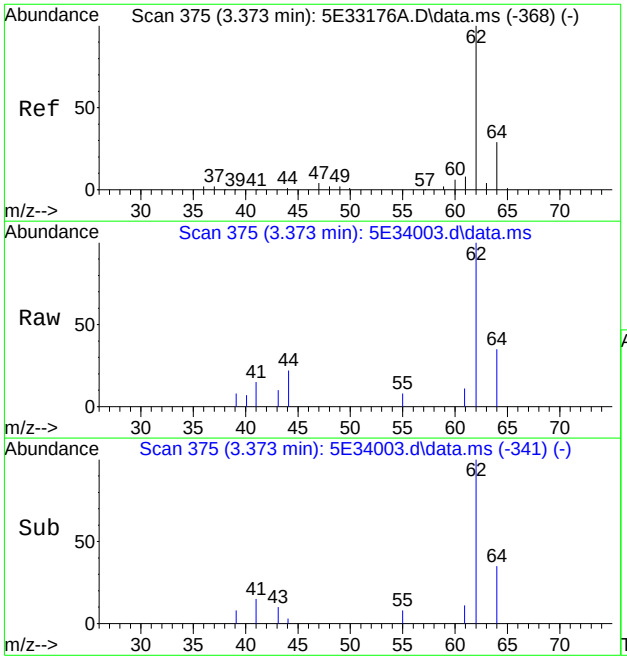
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34003.d
Acq On : 7 Sep 2022 1:18 pm
Operator : courtnef
Sample : FA98468-5
Misc : MS52327,V5E1550,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 07 21:44:17 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

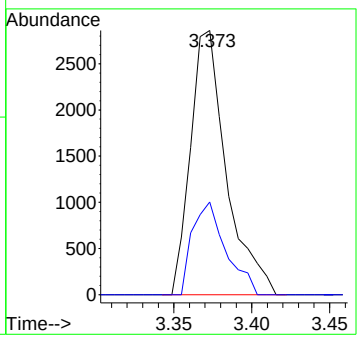




#4
Vinyl Chloride
Concen: 2.59 ug/L
RT: 3.373 min Scan# 375
Delta R.T. 0.006 min
Lab File: 5E34003.d
Acq: 7 Sep 2022 1:18 pm

Tgt Ion: 62 Resp: 4579

Ion	Ratio	Lower	Upper
62	100		
64	35.1	1.1	61.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92683.D
Acq On : 6 Sep 2022 6:30 pm
Operator : courtnef
Sample : FA98468-6
Misc : MS52327,V2P3568,,,,,
ALS Vial : 65 Sample Multiplier: 1

Quant Time: Sep 07 02:04:11 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

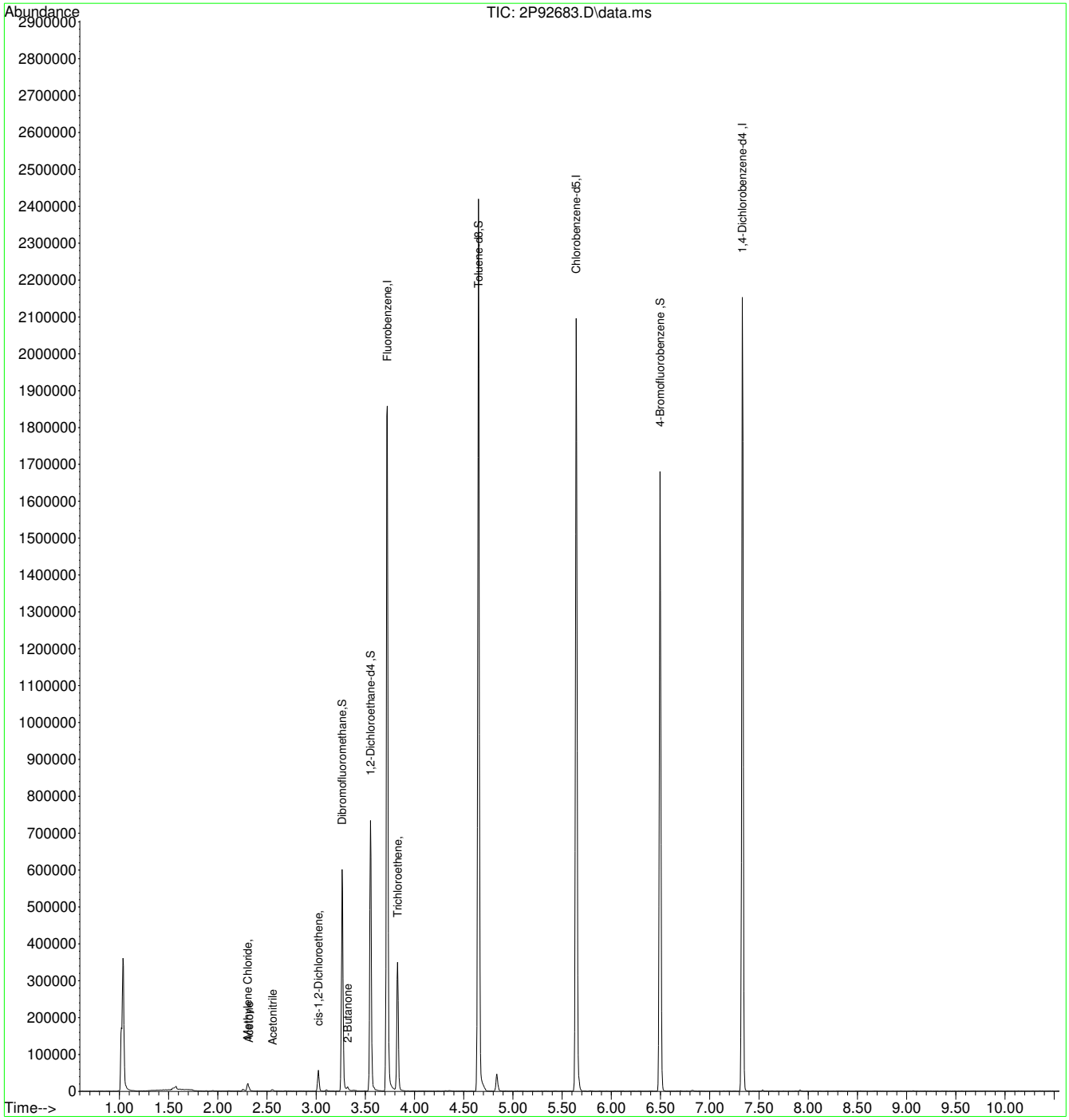
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.724	96	1061756	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.642	117	795698	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.331	152	380047	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.264	113	212236	47.03	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.06%			
49) 1,2-Dichloroethane-d4	3.551	65	318383	50.80	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.60%			
63) Toluene-d8	4.649	98	1036165	47.33	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.66%			
86) 4-Bromofluorobenzene	6.495	174	288491	48.67	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.34%			
Target Compounds						Qvalue
18) Methylene Chloride	2.302	49	6678	1.16	ug/L	94
19) Acetone	2.317	43	6671	2.68	ug/L	96
25) Acetonitrile	2.558	41	3308	4.05	ug/L #	69
32) cis-1,2-Dichloroethene	3.023	96	14192	3.54	ug/L	84
42) 2-Butanone	3.321	43	7490	1.81	ug/L	97
53) Trichloroethene	3.828	95	74566	17.93	ug/L	95

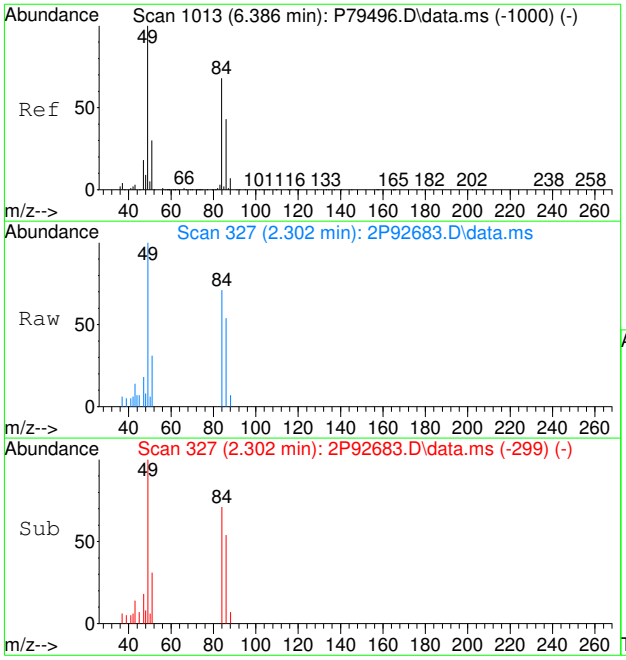
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92683.D
Acq On : 6 Sep 2022 6:30 pm
Operator : courtnef
Sample : FA98468-6
Misc : MS52327,V2P3568,,,,,
ALS Vial : 65 Sample Multiplier: 1

Quant Time: Sep 07 02:04:11 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

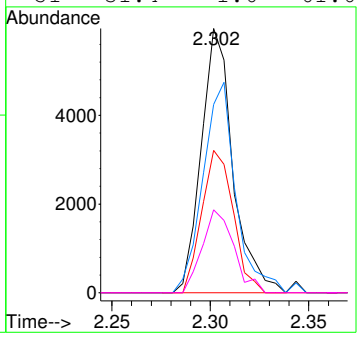


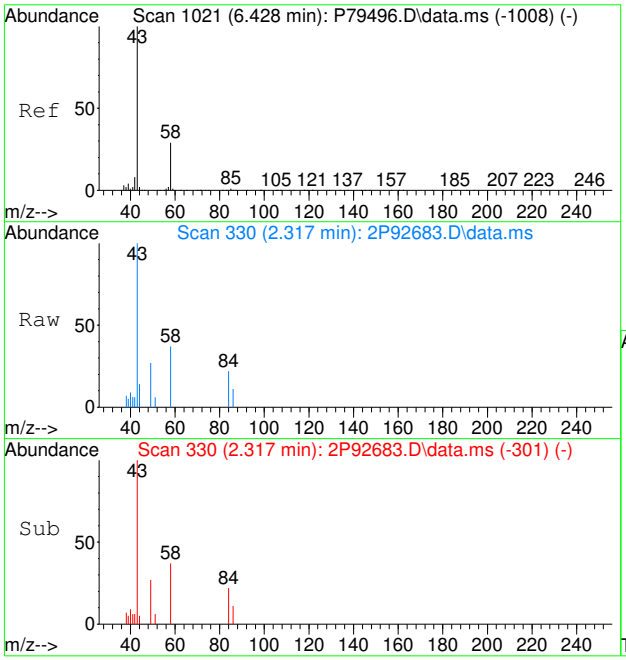


#18
Methylene Chloride
Concen: 1.16 ug/L
RT: 2.302 min Scan# 327
Delta R.T. -0.001 min
Lab File: 2P92683.D
Acq: 6 Sep 2022 6:30 pm

Tgt Ion: 49 Resp: 6678

Ion	Ratio	Lower	Upper
49	100		
84	71.2	52.0	112.0
86	53.8	23.9	83.9
51	31.4	1.6	61.6

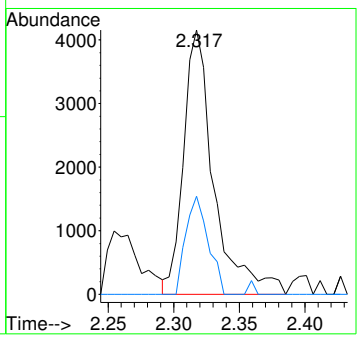


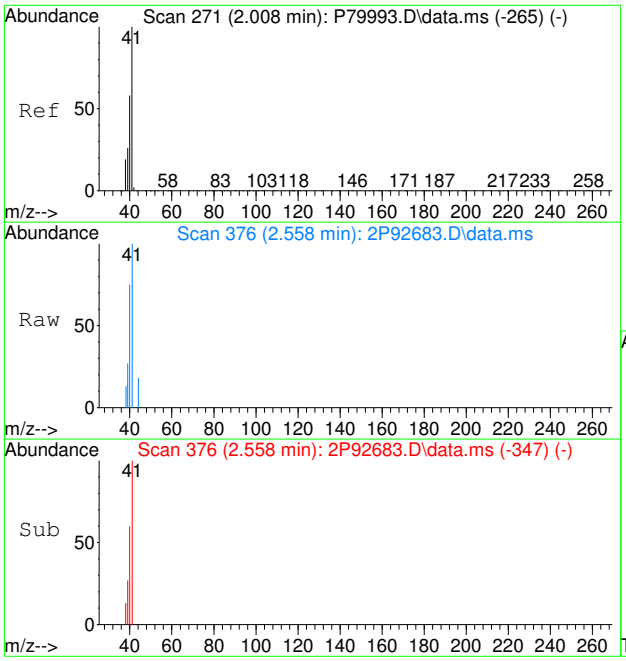


#19
Acetone
Concen: 2.68 ug/L
RT: 2.317 min Scan# 330
Delta R.T. -0.001 min
Lab File: 2P92683.D
Acq: 6 Sep 2022 6:30 pm

Tgt Ion: 43 Resp: 6671

Ion	Ratio	Lower	Upper
43	100		
58	37.1	5.0	65.0

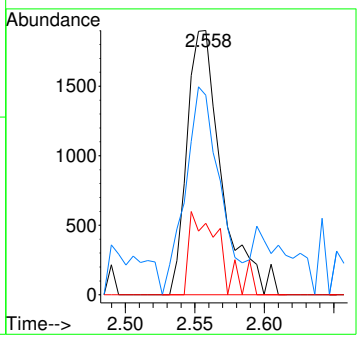


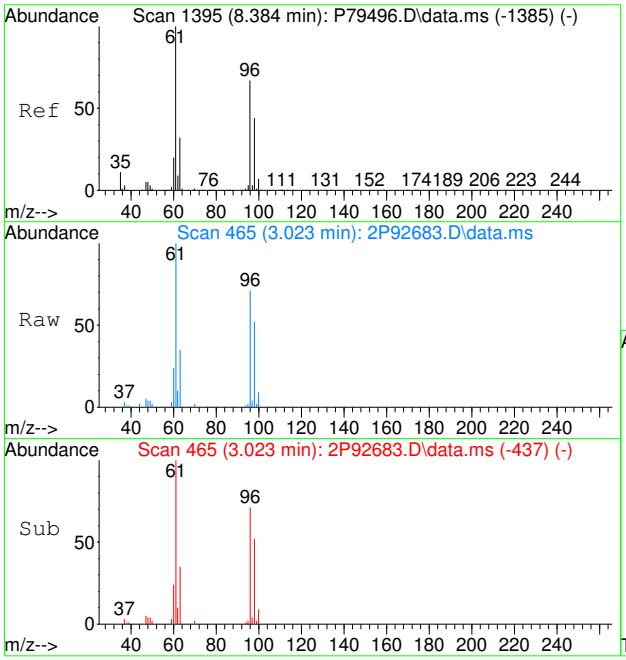


#25
Acetonitrile
Concen: 4.05 ug/L
RT: 2.558 min Scan# 376
Delta R.T. 0.004 min
Lab File: 2P92683.D
Acq: 6 Sep 2022 6:30 pm

Tgt Ion: 41 Resp: 3308

Ion	Ratio	Lower	Upper
41	100		
40	75.4	29.8	69.8#
39	27.1	0.5	40.5

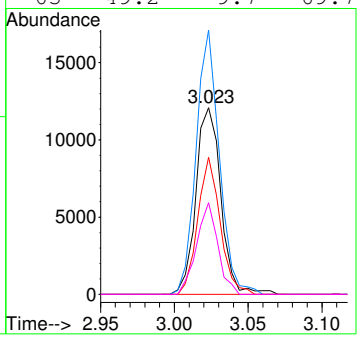


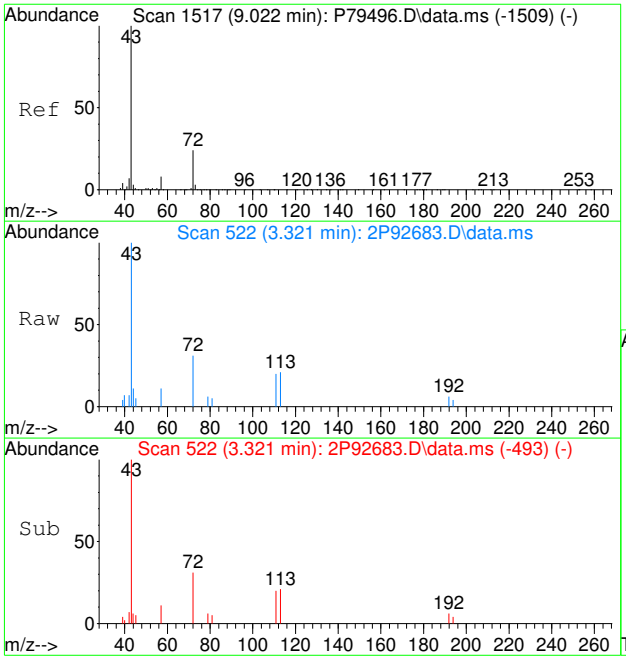


#32
cis-1,2-Dichloroethene
Concen: 3.54 ug/L
RT: 3.023 min Scan# 465
Delta R.T. -0.001 min
Lab File: 2P92683.D
Acq: 6 Sep 2022 6:30 pm

Tgt Ion: 96 Resp: 14192

Ion	Ratio	Lower	Upper
96	100		
61	141.7	93.5	153.5
98	73.5	32.1	92.1
63	49.2	9.7	69.7

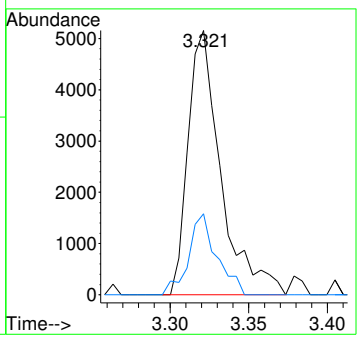


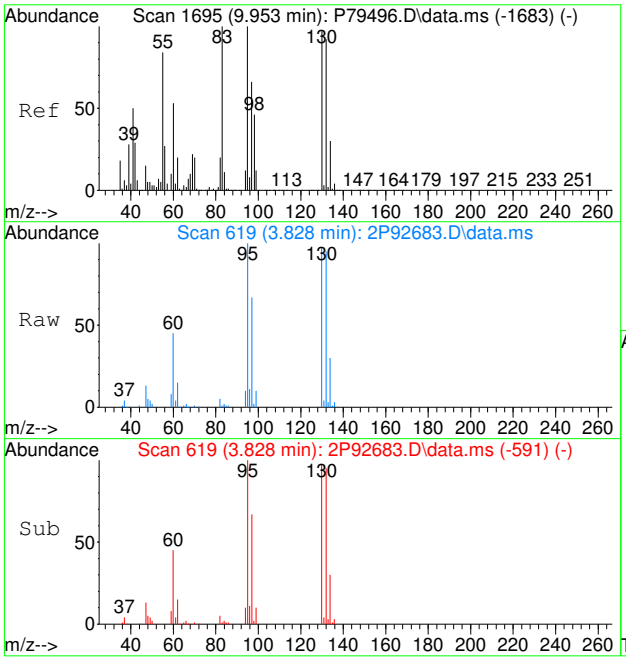


#42
2-Butanone
Concen: 1.81 ug/L
RT: 3.321 min Scan# 522
Delta R.T. 0.004 min
Lab File: 2P92683.D
Acq: 6 Sep 2022 6:30 pm

Tgt Ion: 43 Resp: 7490

Ion	Ratio	Lower	Upper
43	100		
72	30.7	0.0	58.9

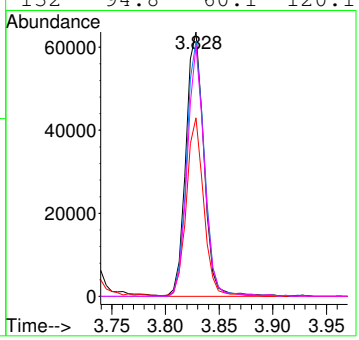




#53
Trichloroethene
Concen: 17.93 ug/L
RT: 3.828 min Scan# 619
Delta R.T. -0.001 min
Lab File: 2P92683.D
Acq: 6 Sep 2022 6:30 pm

Tgt Ion: 95 Resp: 74566

Ion	Ratio	Lower	Upper
95	100		
130	96.6	71.9	131.9
97	67.5	32.9	92.9
132	94.8	60.1	120.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92689.D
Acq On : 6 Sep 2022 8:06 pm
Operator : courtnef
Sample : FA98468-7, 5X
Misc : MS52327,V2P3568,,,,,5
ALS Vial : 68 Sample Multiplier: 1

Quant Time: Sep 07 02:06:45 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

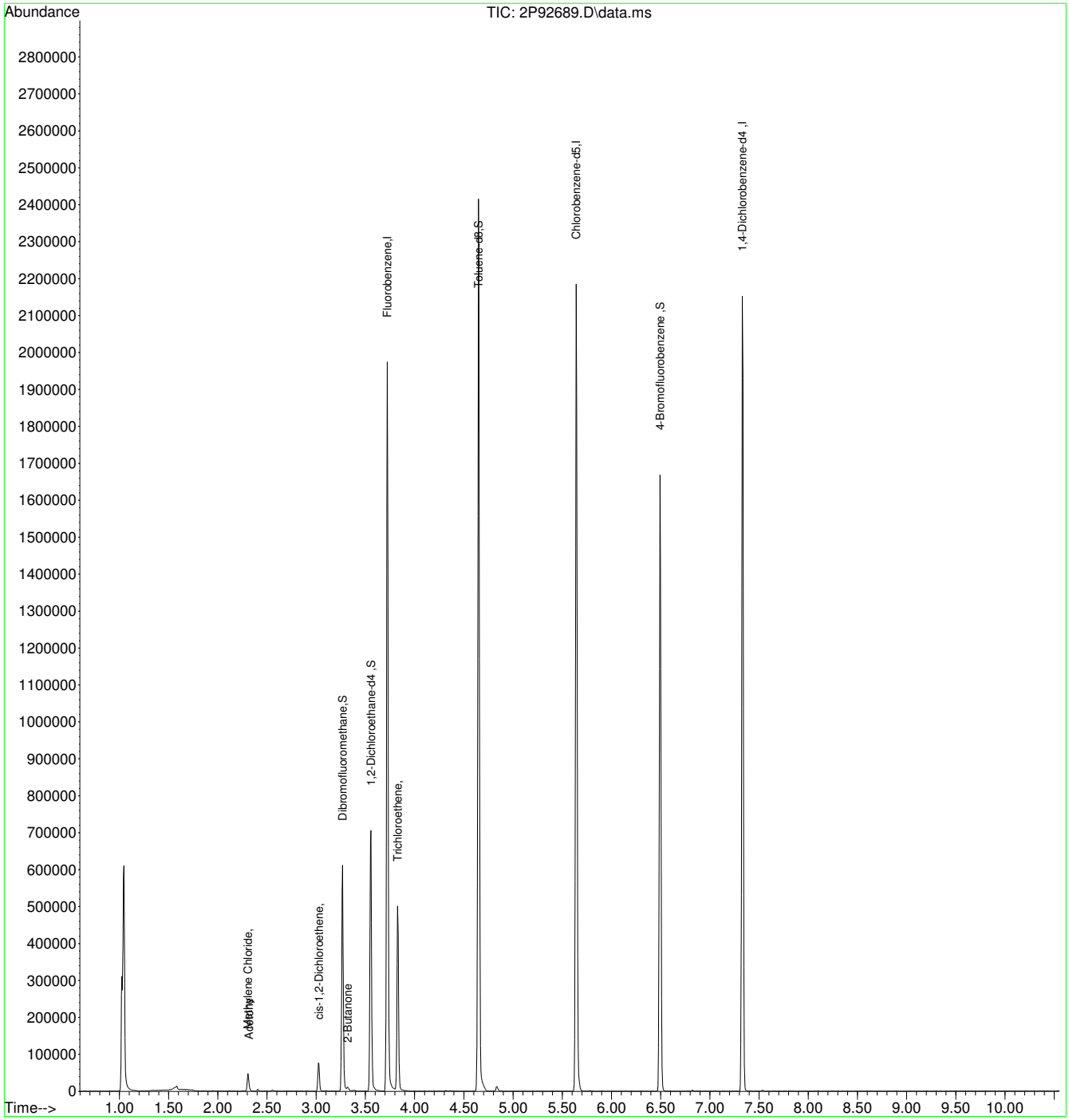
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.723	96	1063629	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.641	117	818535	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.330	152	388119	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.268	113	213305	47.18	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.36%			
49) 1,2-Dichloroethane-d4	3.555	65	316594	50.42	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.84%			
63) Toluene-d8	4.648	98	1060037	47.07	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.14%			
86) 4-Bromofluorobenzene	6.494	174	293803	48.53	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.06%			
Target Compounds						Qvalue
18) Methylene Chloride	2.306	49	15976	2.78	ug/L	92
19) Acetone	2.316	43	3887	1.56	ug/L	91
32) cis-1,2-Dichloroethene	3.027	96	20675	5.15	ug/L	99
42) 2-Butanone	3.320	43	6771	1.63	ug/L	91
53) Trichloroethene	3.827	95	103740	24.90	ug/L	96

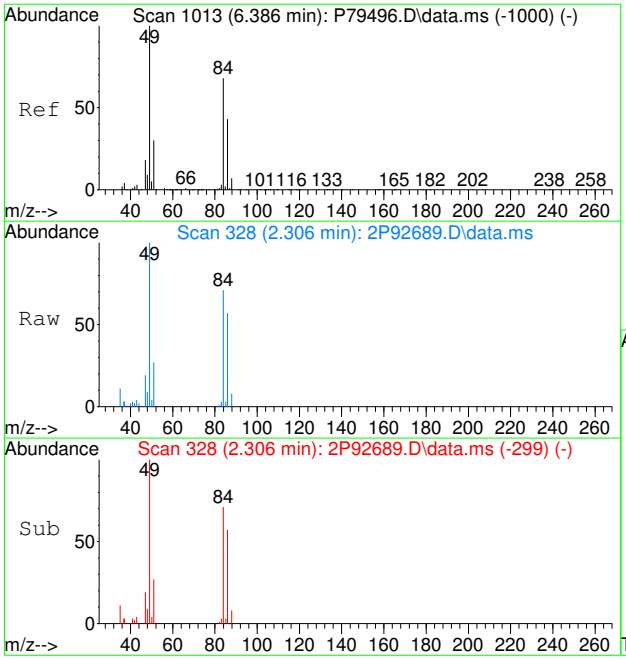
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92689.D
Acq On : 6 Sep 2022 8:06 pm
Operator : courtnef
Sample : FA98468-7, 5X
Misc : MS52327,V2P3568,,,,,5
ALS Vial : 68 Sample Multiplier: 1

Quant Time: Sep 07 02:06:45 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

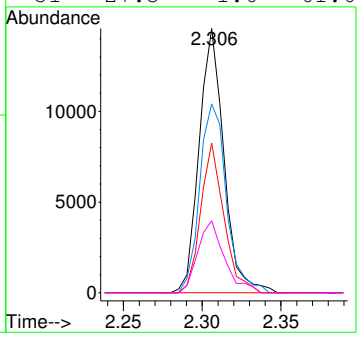


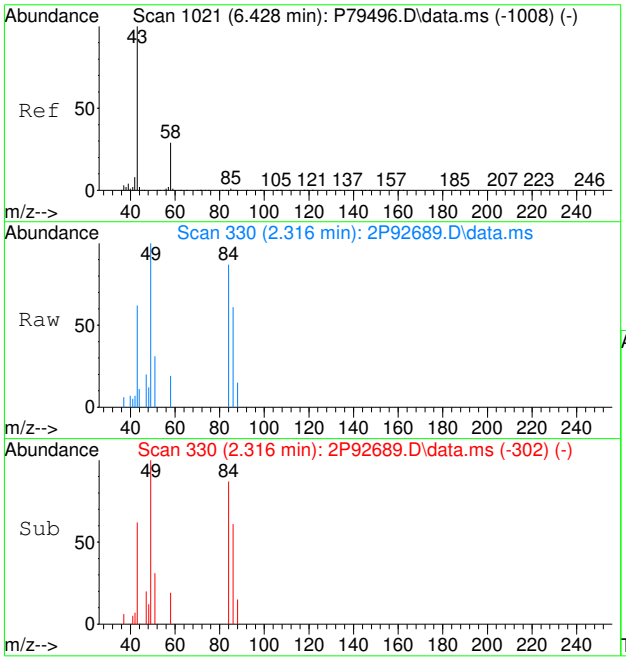


#18
Methylene Chloride
Concen: 2.78 ug/L
RT: 2.306 min Scan# 328
Delta R.T. 0.003 min
Lab File: 2P92689.D
Acq: 6 Sep 2022 8:06 pm

Tgt Ion: 49 Resp: 15976

Ion	Ratio	Lower	Upper
49	100		
84	71.4	52.0	112.0
86	56.6	23.9	83.9
51	27.3	1.6	61.6

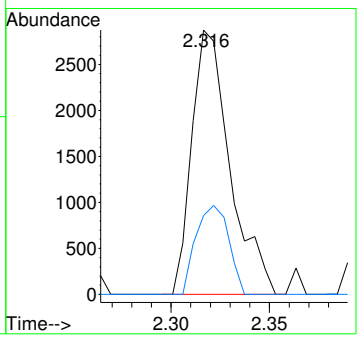


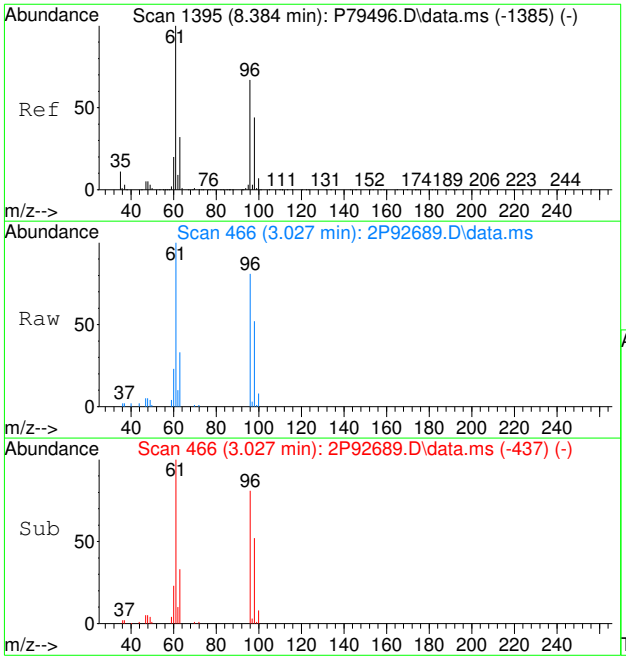


#19
Acetone
Concen: 1.56 ug/L
RT: 2.316 min Scan# 330
Delta R.T. -0.002 min
Lab File: 2P92689.D
Acq: 6 Sep 2022 8:06 pm

Tgt Ion: 43 Resp: 3887

Ion	Ratio	Lower	Upper
43	100		
58	29.8	5.0	65.0

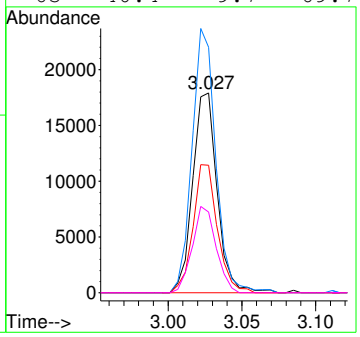


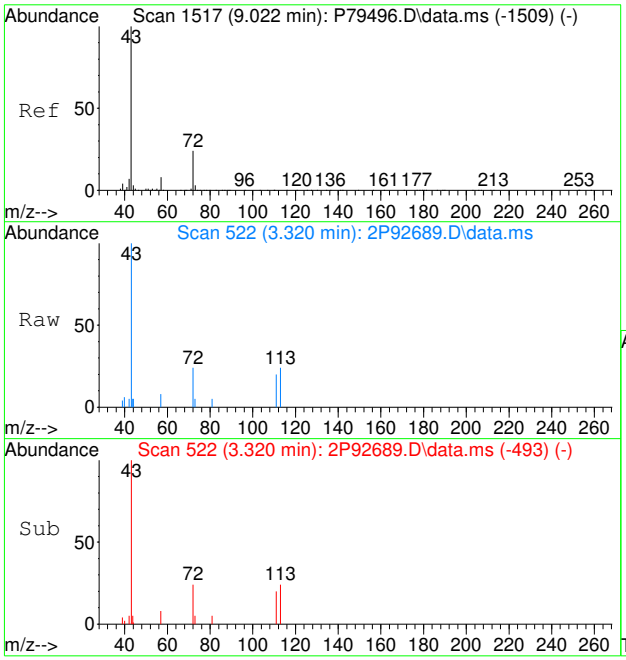


#32
cis-1,2-Dichloroethene
Concen: 5.15 ug/L
RT: 3.027 min Scan# 466
Delta R.T. 0.003 min
Lab File: 2P92689.D
Acq: 6 Sep 2022 8:06 pm

Tgt Ion: 96 Resp: 20675

Ion	Ratio	Lower	Upper
96	100		
61	122.8	93.5	153.5
98	63.9	32.1	92.1
63	40.4	9.7	69.7

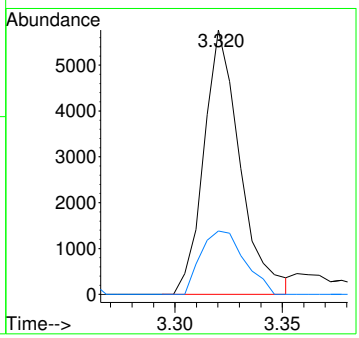


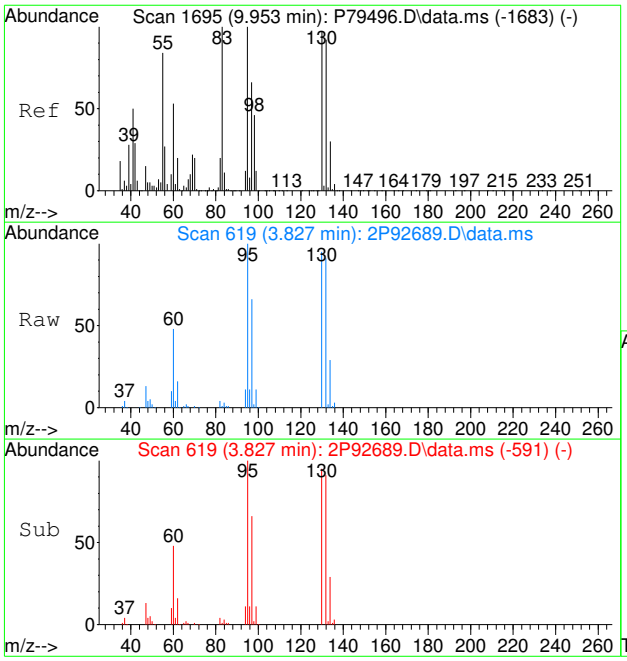


#42
2-Butanone
Concen: 1.63 ug/L
RT: 3.320 min Scan# 522
Delta R.T. 0.003 min
Lab File: 2P92689.D
Acq: 6 Sep 2022 8:06 pm

Tgt Ion: 43 Resp: 6771

Ion	Ratio	Lower	Upper
43	100		
72	24.0	0.0	58.9

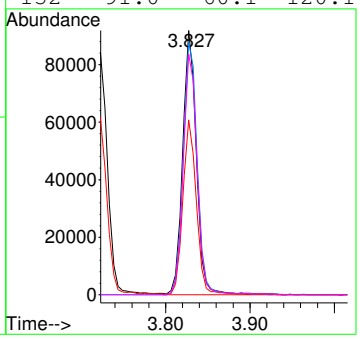




#53
Trichloroethene
Concen: 24.90 ug/L
RT: 3.827 min Scan# 619
Delta R.T. -0.002 min
Lab File: 2P92689.D
Acq: 6 Sep 2022 8:06 pm

Tgt Ion: 95 Resp: 103740

Ion	Ratio	Lower	Upper
95	100		
130	95.5	71.9	131.9
97	66.1	32.9	92.9
132	91.0	60.1	120.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34004.d
Acq On : 7 Sep 2022 1:42 pm
Operator : courtnef
Sample : FA98468-7, 2x
Misc : MS52327,V5E1550,,,,,2
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 07 21:45:13 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

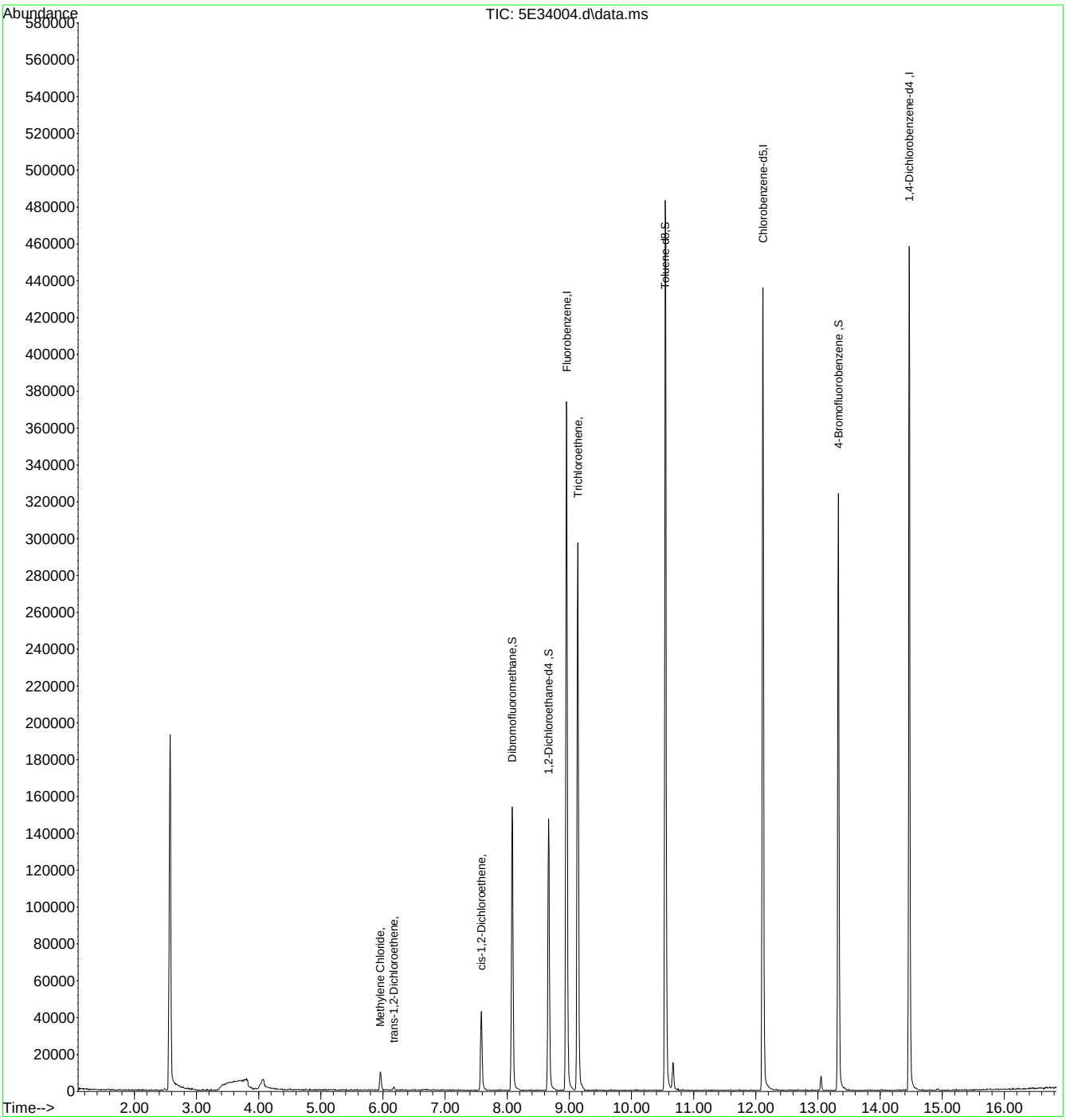
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.957	96	301534	50.00	ug/L	0.00
61) Chlorobenzene-d5	12.115	117	225846	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	108545	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.079	113	87493	50.57	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.14%			
49) 1,2-Dichloroethane-d4	8.665	65	89626	50.61	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.22%			
62) Toluene-d8	10.542	98	290994	49.71	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.42%			
86) 4-Bromofluorobenzene	13.328	95	99276	49.56	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.12%			
Target Compounds						Qvalue
18) Methylene Chloride	5.958	49	6485	2.74	ug/L	95
21) trans-1,2-Dichloroethene	6.171	61	1185	0.53	ug/L	92
32) cis-1,2-Dichloroethene	7.580	96	16973	11.55	ug/L	96
52) Trichloroethene	9.134	95	82978	55.68	ug/L	98

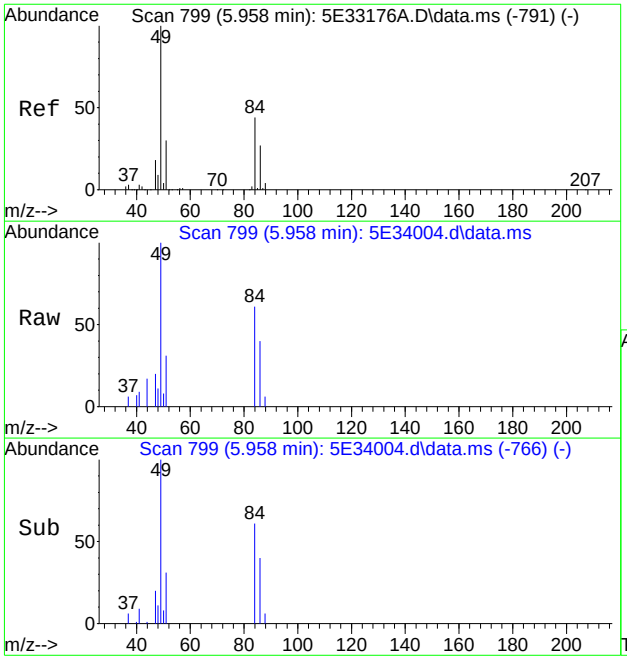
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34004.d
Acq On : 7 Sep 2022 1:42 pm
Operator : courtnef
Sample : FA98468-7, 2x
Misc : MS52327,V5E1550,,,,,2
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 07 21:45:13 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

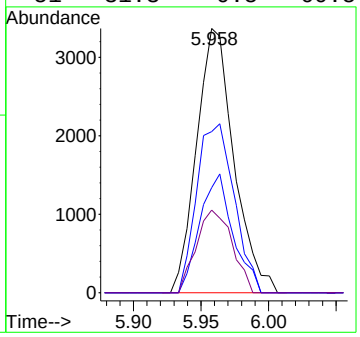


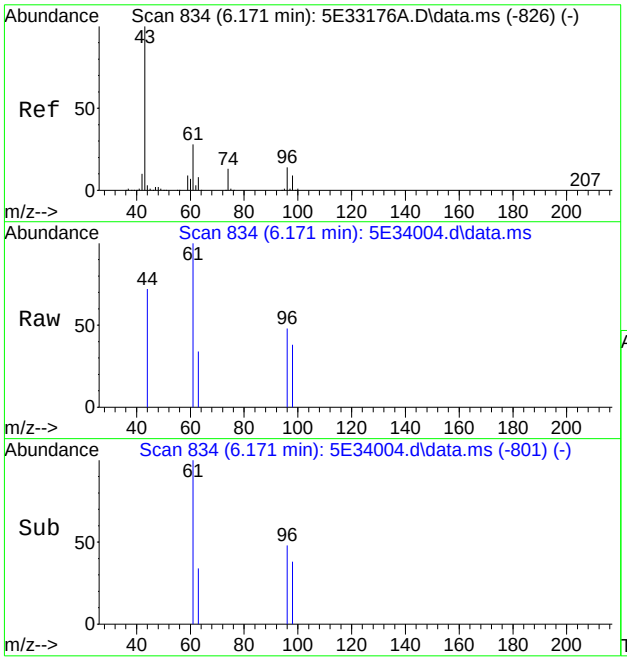


#18
Methylene Chloride
Concen: 2.74 ug/L
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: 5E34004.d
Acq: 7 Sep 2022 1:42 pm

Tgt Ion: 49 Resp: 6485

Ion	Ratio	Lower	Upper
49	100		
84	60.9	36.4	96.4
86	39.7	12.7	72.7
51	31.3	0.5	60.5

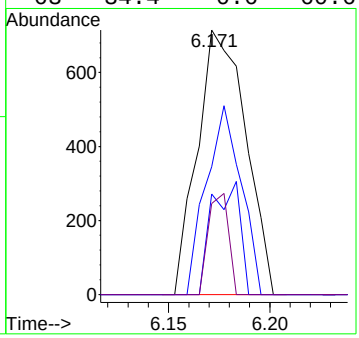


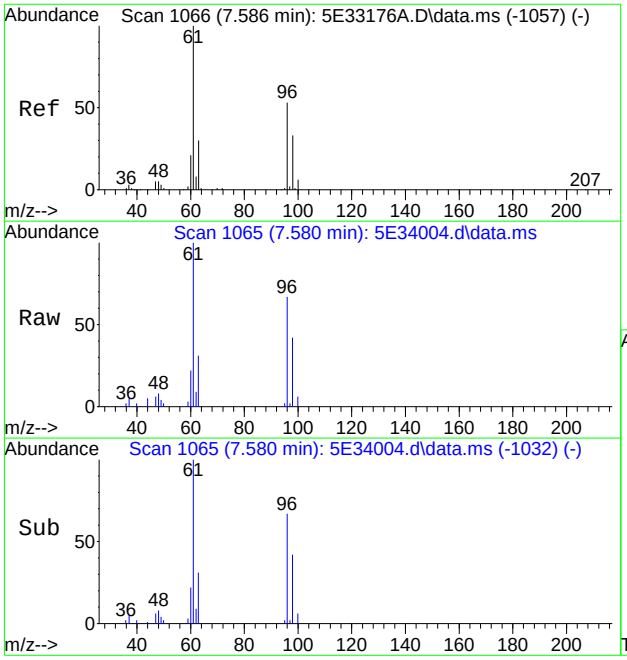


#21
trans-1,2-Dichloroethene
Concen: 0.53 ug/L
RT: 6.171 min Scan# 834
Delta R.T. 0.000 min
Lab File: 5E34004.d
Acq: 7 Sep 2022 1:42 pm

Tgt Ion: 61 Resp: 1185

Ion	Ratio	Lower	Upper
61	100		
96	48.3	27.9	87.9
98	38.0	7.4	67.4
63	34.4	0.6	60.6

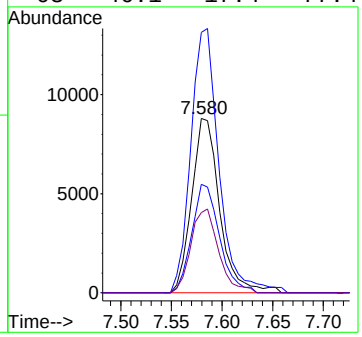


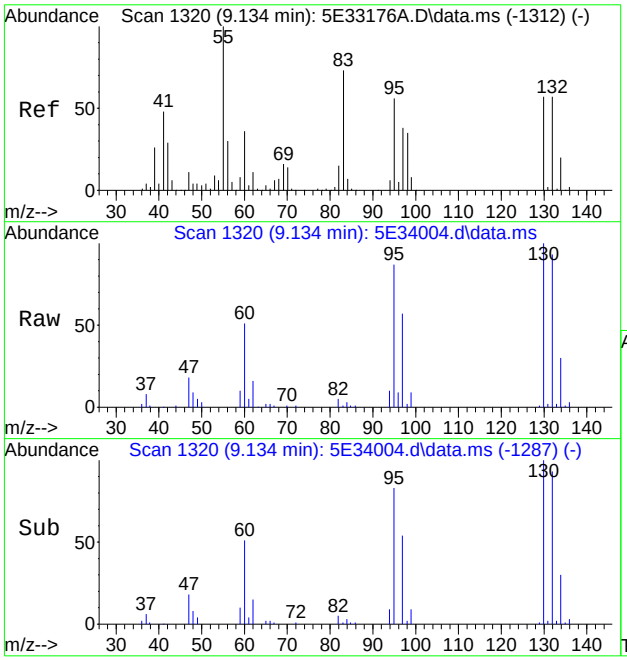


#32
cis-1,2-Dichloroethene
Concen: 11.55 ug/L
RT: 7.580 min Scan# 1065
Delta R.T. 0.001 min
Lab File: 5E34004.d
Acq: 7 Sep 2022 1:42 pm

Tgt Ion: 96 Resp: 16973

Ion	Ratio	Lower	Upper
96	100		
61	149.3	124.8	184.8
98	62.3	35.2	95.2
63	46.1	17.4	77.4

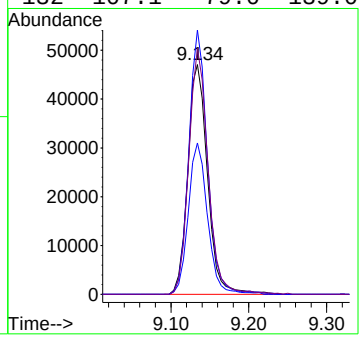




#52
Trichloroethene
Concen: 55.68 ug/L
RT: 9.134 min Scan# 1320
Delta R.T. 0.000 min
Lab File: 5E34004.d
Acq: 7 Sep 2022 1:42 pm

Tgt Ion: 95 Resp: 82978

Ion	Ratio	Lower	Upper
95	100		
130	115.1	82.8	142.8
97	65.9	37.5	97.5
132	107.1	79.0	139.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34016.d
Acq On : 7 Sep 2022 6:24 pm
Operator : courtnef
Sample : FA98468-8
Misc : MS52335,V5E1550,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 07 22:04:56 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

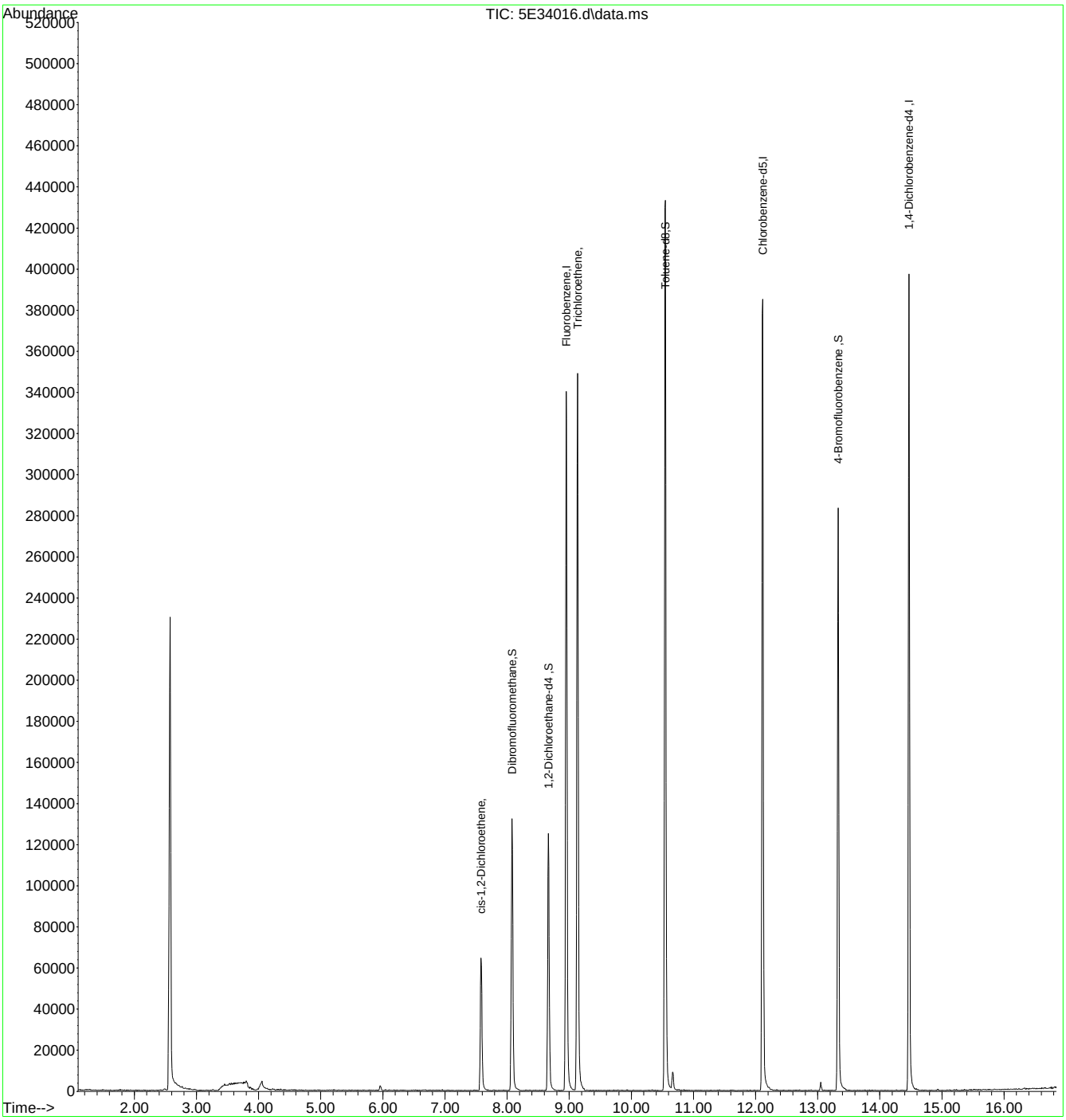
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.951	96	270115	50.00	ug/L	0.00
61) Chlorobenzene-d5	12.115	117	200777	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	92716	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.079	113	75469	48.69	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.38%			
49) 1,2-Dichloroethane-d4	8.665	65	77190	48.66	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.32%			
62) Toluene-d8	10.548	98	260392	50.04	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.08%			
86) 4-Bromofluorobenzene	13.328	95	85051	49.70	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.40%			
Target Compounds						Qvalue
32) cis-1,2-Dichloroethene	7.579	96	25469	19.35	ug/L	98
52) Trichloroethene	9.134	95	95990	71.90	ug/L	97

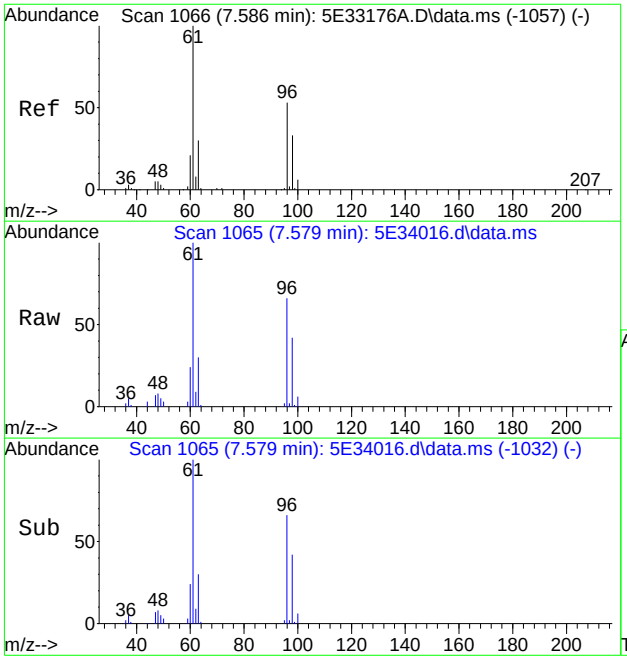
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34016.d
Acq On : 7 Sep 2022 6:24 pm
Operator : courtnef
Sample : FA98468-8
Misc : MS52335,V5E1550,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 07 22:04:56 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

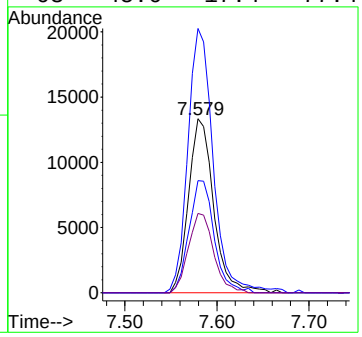


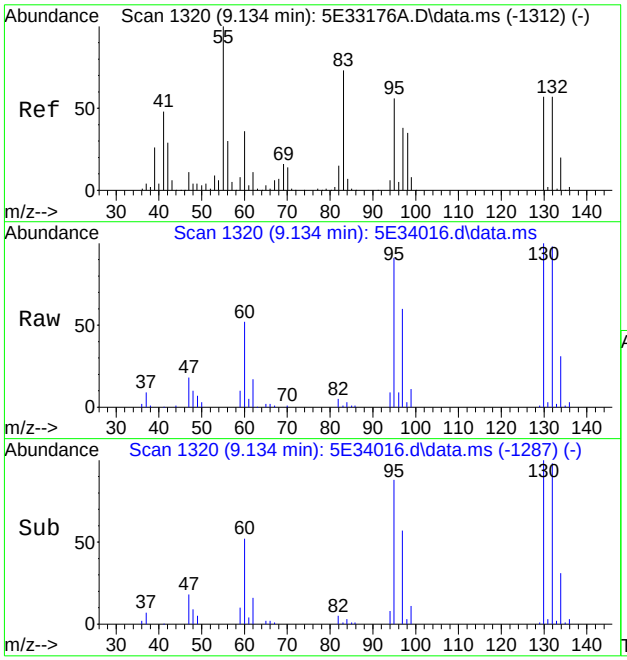


#32
cis-1,2-Dichloroethene
Concen: 19.35 ug/L
RT: 7.579 min Scan# 1065
Delta R.T. 0.000 min
Lab File: 5E34016.d
Acq: 7 Sep 2022 6:24 pm

Tgt Ion: 96 Resp: 25469

Ion	Ratio	Lower	Upper
96	100		
61	151.9	124.8	184.8
98	64.3	35.2	95.2
63	45.6	17.4	77.4

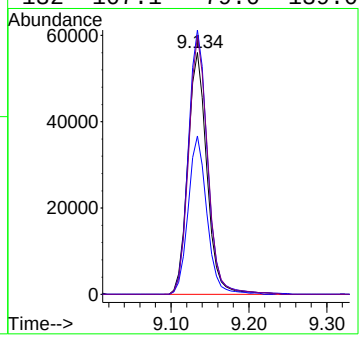




#52
Trichloroethene
Concen: 71.90 ug/L
RT: 9.134 min Scan# 1320
Delta R.T. -0.000 min
Lab File: 5E34016.d
Acq: 7 Sep 2022 6:24 pm

Tgt Ion: 95 Resp: 95990

Ion	Ratio	Lower	Upper
95	100		
130	109.3	82.8	142.8
97	65.5	37.5	97.5
132	107.1	79.0	139.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34017.d
Acq On : 7 Sep 2022 6:47 pm
Operator : courtnef
Sample : FA98468-9
Misc : MS52335,V5E1550,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 07 22:05:27 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

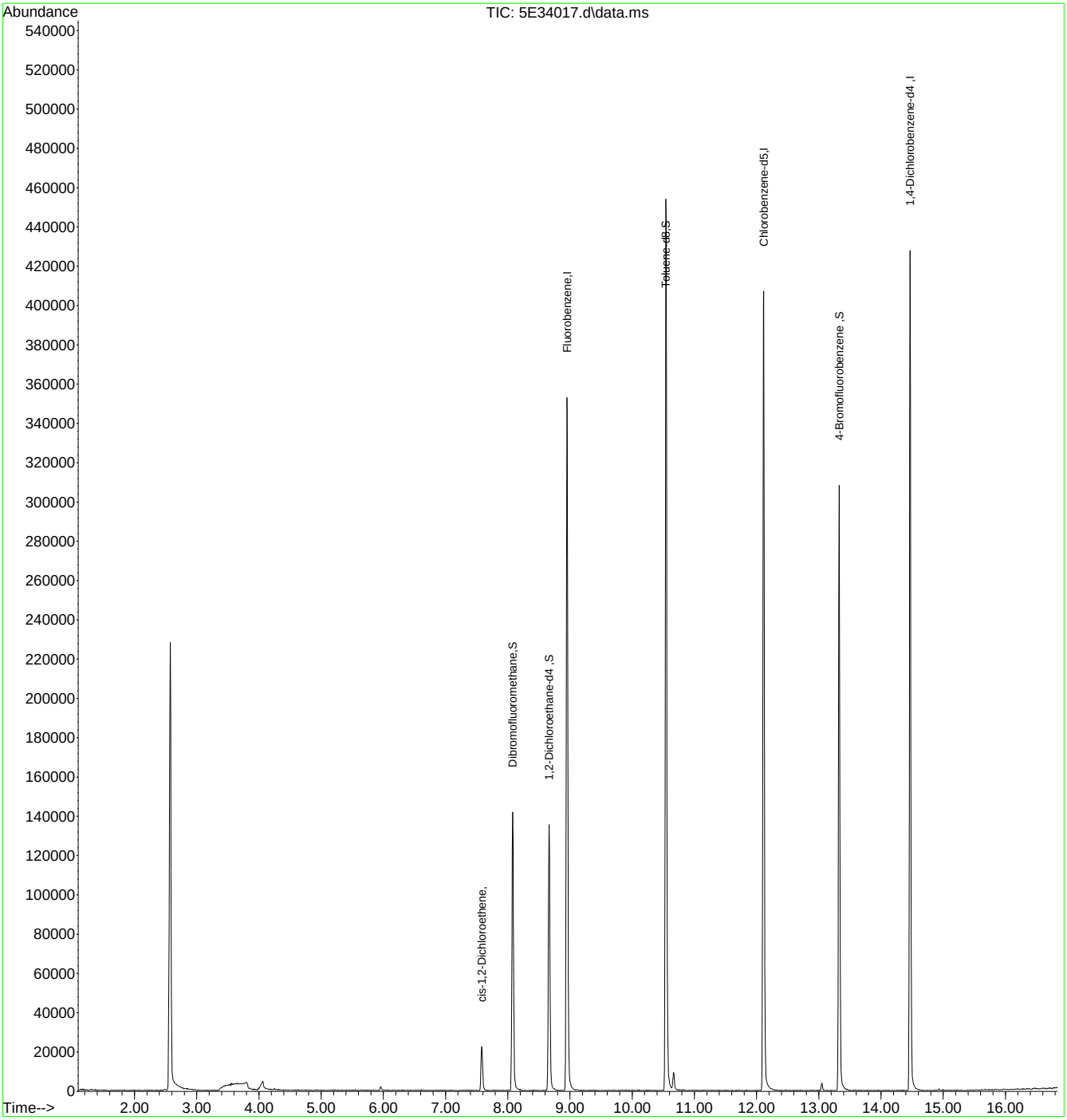
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.951	96	281421	50.00	ug/L	0.00
61) Chlorobenzene-d5	12.115	117	212308	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	100465	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.079	113	80887	50.09	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.18%			
49) 1,2-Dichloroethane-d4	8.664	65	83635	50.61	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.22%			
62) Toluene-d8	10.542	98	270608	49.18	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.36%			
86) 4-Bromofluorobenzene	13.328	95	92436	49.85	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.70%			
Target Compounds						Qvalue
32) cis-1,2-Dichloroethene	7.585	96	9418	6.87	ug/L	91

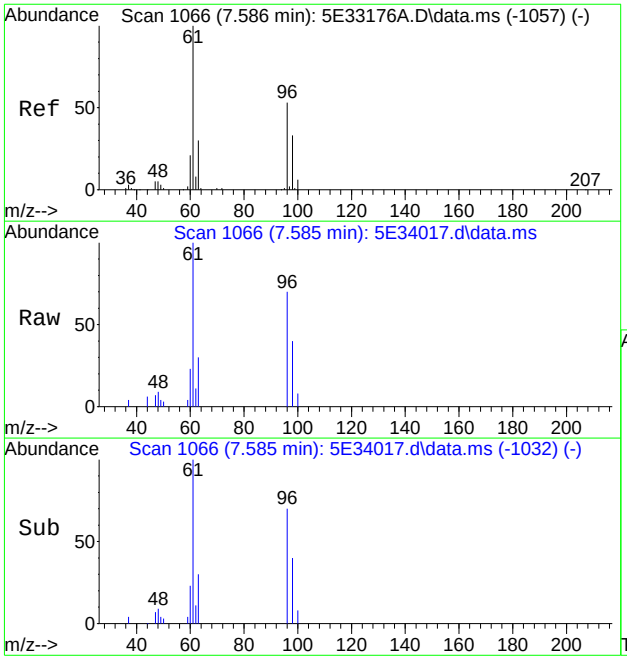
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34017.d
Acq On : 7 Sep 2022 6:47 pm
Operator : courtnef
Sample : FA98468-9
Misc : MS52335,V5E1550,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 07 22:05:27 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

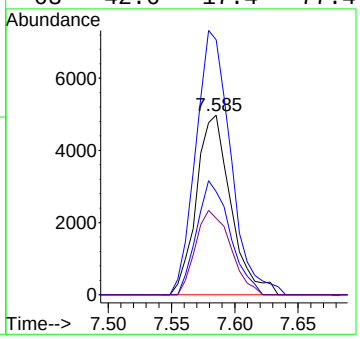




#32
cis-1,2-Dichloroethene
Concen: 6.87 ug/L
RT: 7.585 min Scan# 1066
Delta R.T. 0.006 min
Lab File: 5E34017.d
Acq: 7 Sep 2022 6:47 pm

Tgt Ion: 96 Resp: 9418

Ion	Ratio	Lower	Upper
96	100		
61	141.9	124.8	184.8
98	57.4	35.2	95.2
63	42.6	17.4	77.4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E33999.d
Acq On : 7 Sep 2022 11:43 am
Operator : courtnef
Sample : FA98468-10
Misc : MS52335,V5E1550,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 21:39:17 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

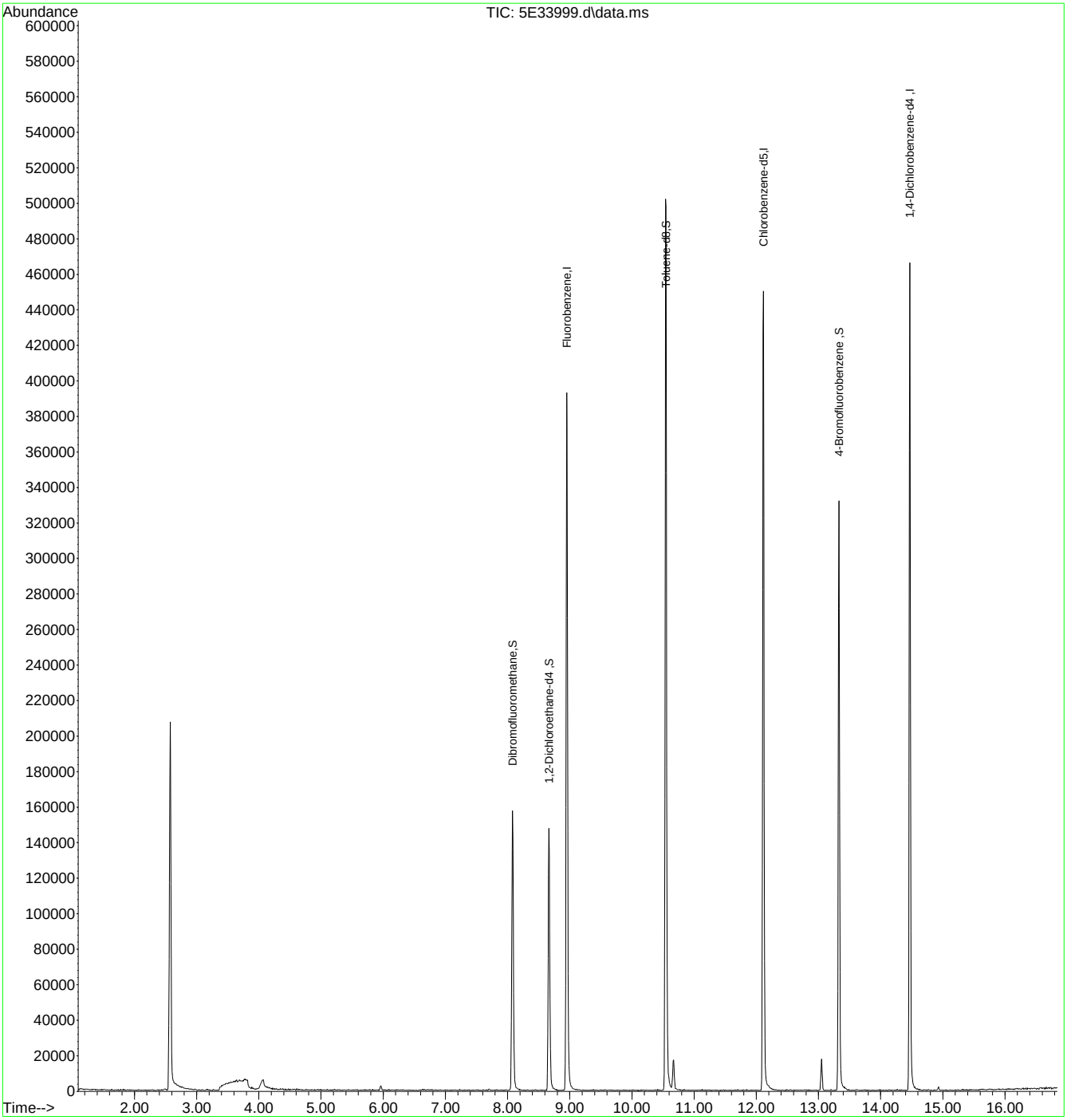
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		8.951	96	313431	50.00	ug/L	0.00
61) Chlorobenzene-d5		12.115	117	233737	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		14.468	152	108598	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		8.079	113	90983	50.59	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	101.18%		
49) 1,2-Dichloroethane-d4		8.665	65	90909	49.39	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	98.78%		
62) Toluene-d8		10.548	98	303987	50.18	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	100.36%		
86) 4-Bromofluorobenzene		13.328	95	101887	50.84	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	101.68%		
Target Compounds							Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E33999.d
Acq On : 7 Sep 2022 11:43 am
Operator : courtnef
Sample : FA98468-10
Misc : MS52335,V5E1550,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 21:39:17 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92607.D
Acq On : 1 Sep 2022 2:40 pm
Operator : courtnef
Sample : MB
Misc : MS52204,V2P3567,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Sep 02 02:27:31 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

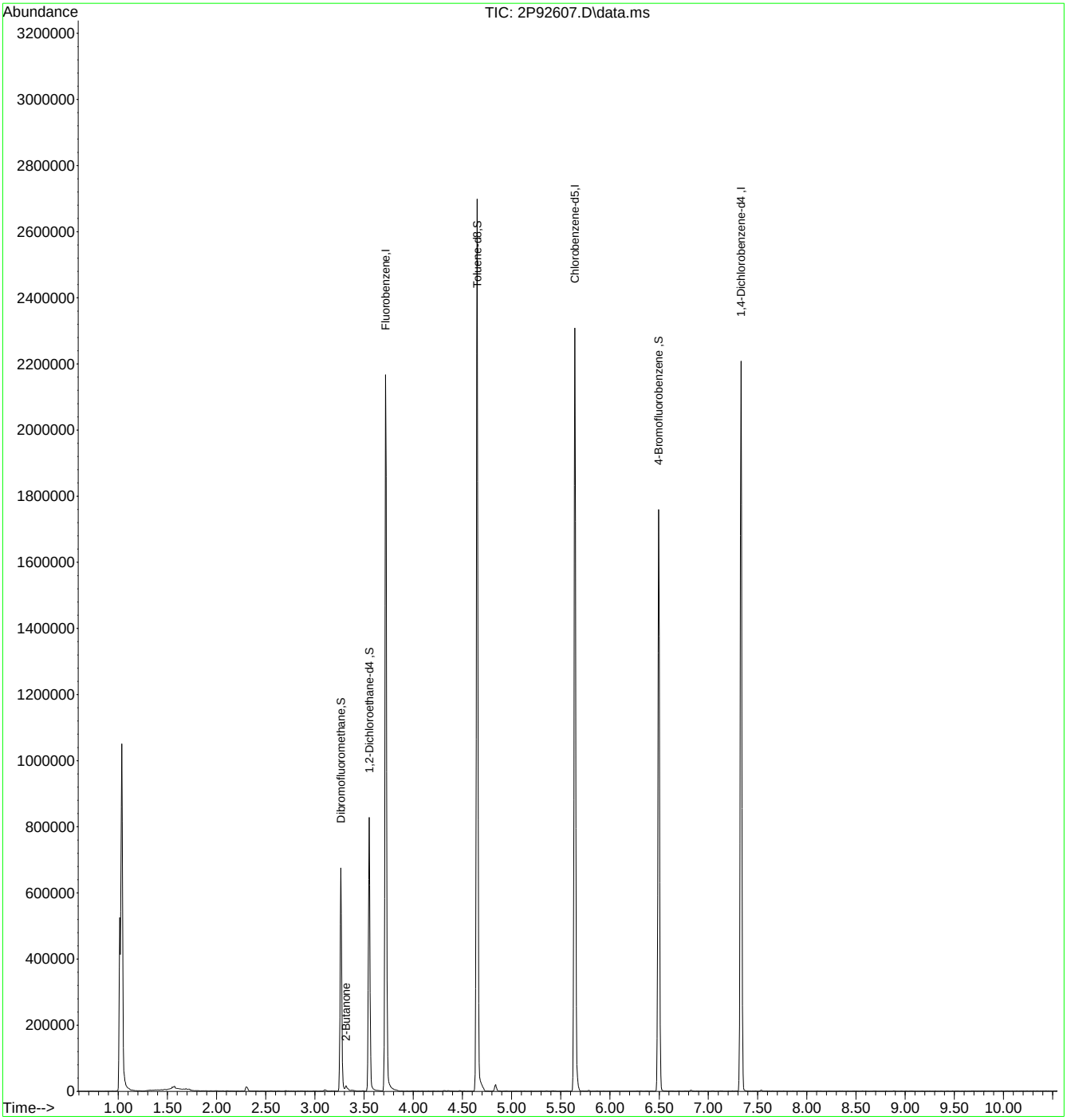
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		3.719	96	1185872	50.00	ug/L	0.00
62) Chlorobenzene-d5		5.643	117	846174	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		7.332	152	401259	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		3.264	113	239086	47.44	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	94.88%		
49) 1,2-Dichloroethane-d4		3.552	65	356895	50.98	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	101.96%		
63) Toluene-d8		4.650	98	1151237	49.44	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	98.88%		
86) 4-Bromofluorobenzene		6.495	174	304407	48.64	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	97.28%		
Target Compounds							Qvalue
42) 2-Butanone		3.317	43	11031	2.39	ug/L	95

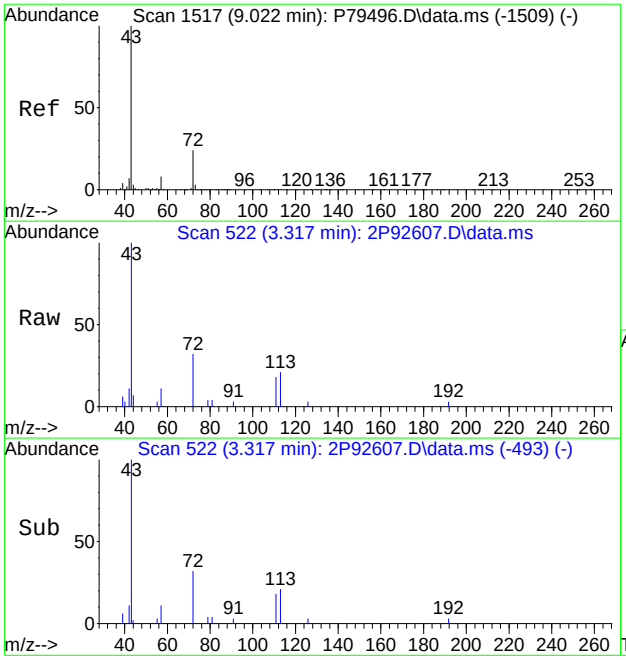
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92607.D
Acq On : 1 Sep 2022 2:40 pm
Operator : courtnef
Sample : MB
Misc : MS52204,V2P3567,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Sep 02 02:27:31 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

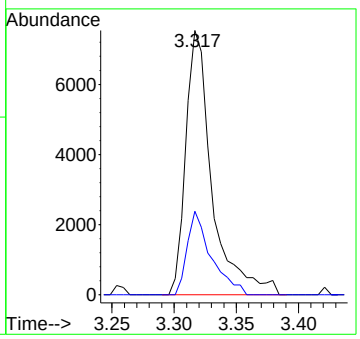




#42
2-Butanone
Concen: 2.39 ug/L
RT: 3.317 min Scan# 522
Delta R.T. -0.000 min
Lab File: 2P92607.D
Acq: 1 Sep 2022 2:40 pm

Tgt Ion: 43 Resp: 11031

Ion	Ratio	Lower	Upper
43	100		
72	31.6	0.0	58.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64458.D
Acq On : 3 Sep 2022 12:06 pm
Operator : adelardl
Sample : MB (AFA)
Misc : MS52207,VY2672,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 05 02:11:42 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

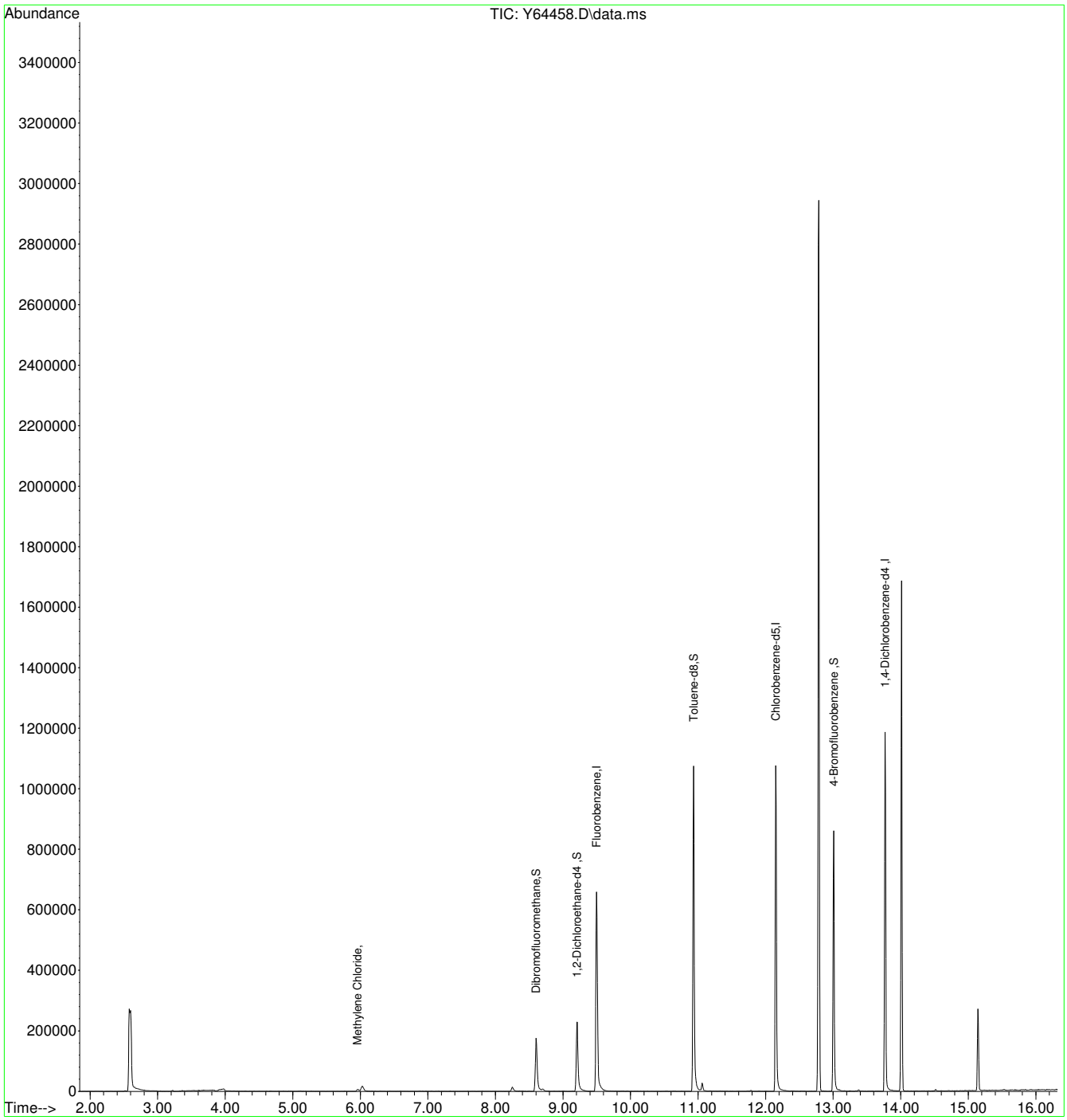
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	535524	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	459892	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	216194	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	112971	47.08	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.16%			
49) 1,2-Dichloroethane-d4	9.205	65	148470	50.66	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.32%			
63) Toluene-d8	10.933	98	572908	50.37	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.74%			
86) 4-Bromofluorobenzene	13.007	174	157263	47.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.84%			
Target Compounds						Qvalue
18) Methylene Chloride	5.956	49	4835	1.11	ug/L	77

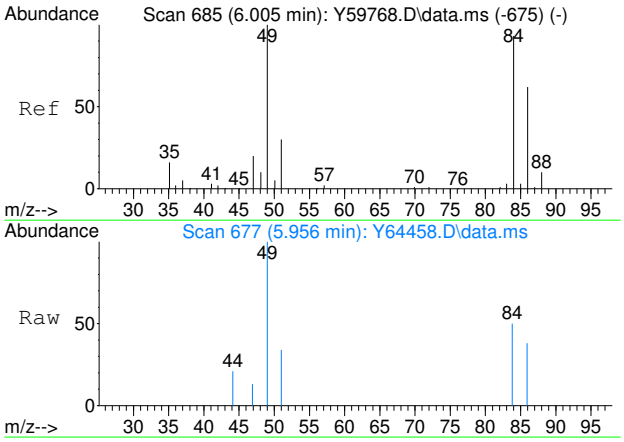
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64458.D
Acq On : 3 Sep 2022 12:06 pm
Operator : adelardl
Sample : MB (AFA)
Misc : MS52207,VY2672,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 05 02:11:42 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration





#18
Methylene Chloride
Concen: 1.11 ug/L
RT: 5.956 min Scan# 677
Delta R.T. 0.000 min
Lab File: Y64458.D
Acq: 3 Sep 2022 12:06 pm

Tgt Ion: 49 Resp: 4835

Ion	Ratio	Lower	Upper
49	100		
84	50.5	48.1	108.1
86	37.6	21.4	81.4
51	34.1	0.0	60.0

Sub

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92665.D
Acq On : 6 Sep 2022 1:41 pm
Operator : courtnef
Sample : MB
Misc : MS52327,V2P3568,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Sep 07 01:59:53 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

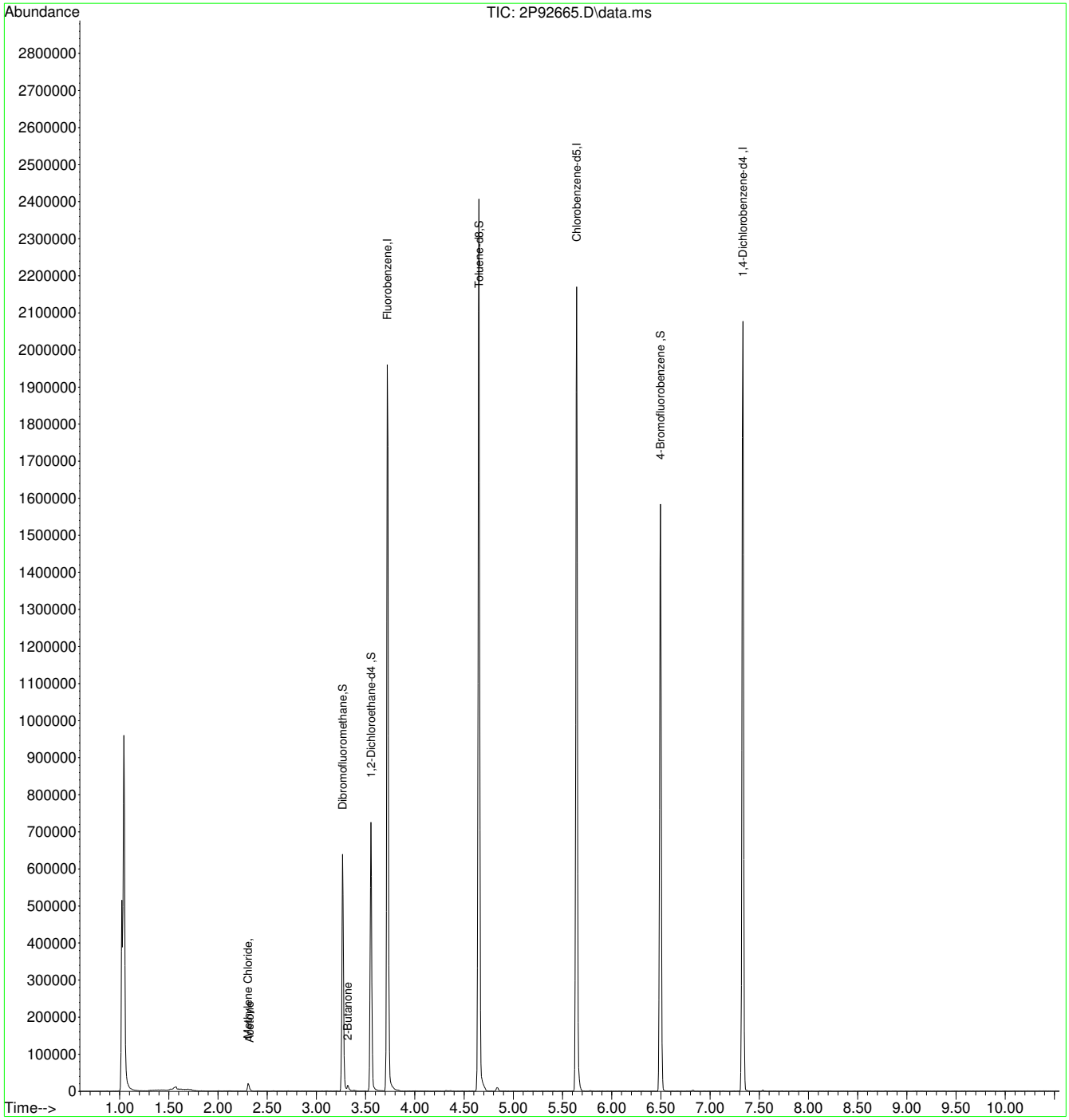
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.721	96	1091554	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.645	117	804032	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	379797	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.266	113	222919	48.05	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.10%			
49) 1,2-Dichloroethane-d4	3.553	65	311405	48.33	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.66%			
63) Toluene-d8	4.651	98	1061982	48.00	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.00%			
86) 4-Bromofluorobenzene	6.497	174	288920	48.77	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.54%			
Target Compounds						Qvalue
18) Methylene Chloride	2.304	49	6639	1.12	ug/L	96
19) Acetone	2.320	43	4658	1.82	ug/L	96
42) 2-Butanone	3.318	43	10357	2.43	ug/L	86

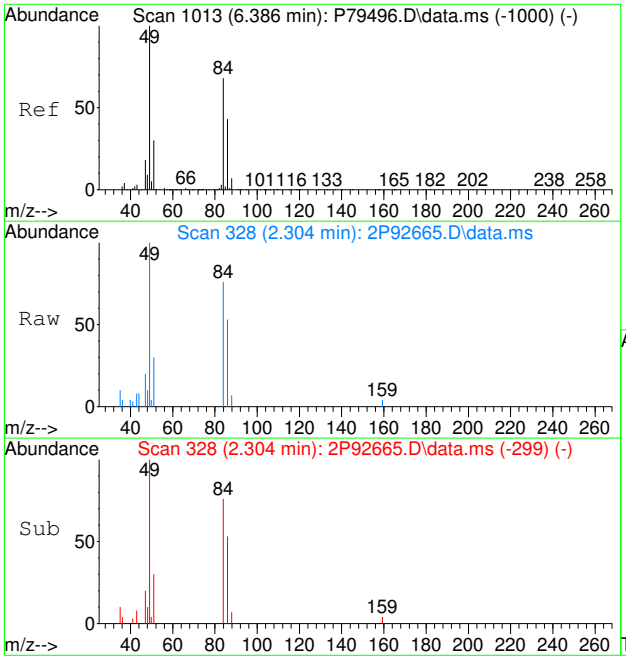
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92665.D
Acq On : 6 Sep 2022 1:41 pm
Operator : courtnef
Sample : MB
Misc : MS52327,V2P3568,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Sep 07 01:59:53 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

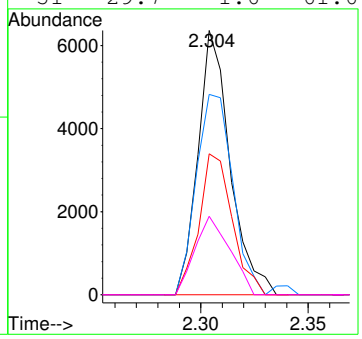


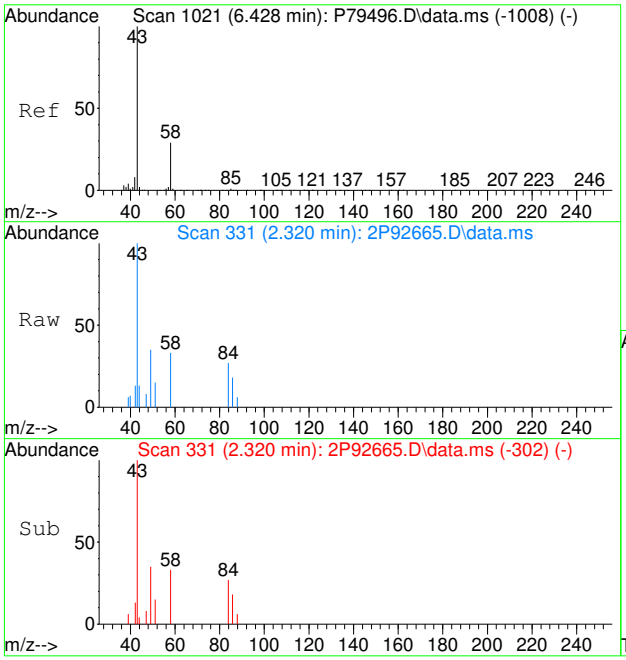


#18
Methylene Chloride
Concen: 1.12 ug/L
RT: 2.304 min Scan# 328
Delta R.T. 0.001 min
Lab File: 2P92665.D
Acq: 6 Sep 2022 1:41 pm

Tgt Ion: 49 Resp: 6639

Ion	Ratio	Lower	Upper
49	100		
84	75.8	52.0	112.0
86	53.3	23.9	83.9
51	29.7	1.6	61.6

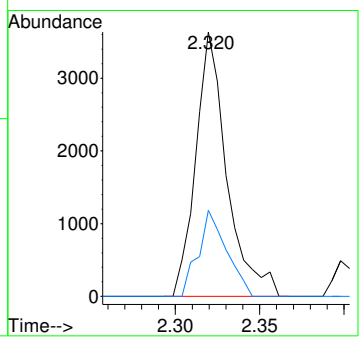


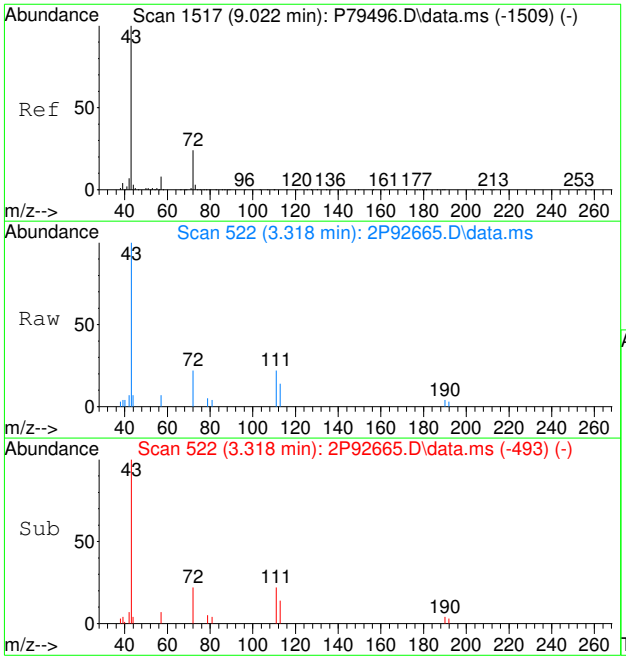


#19
Acetone
Concen: 1.82 ug/L
RT: 2.320 min Scan# 331
Delta R.T. 0.002 min
Lab File: 2P92665.D
Acq: 6 Sep 2022 1:41 pm

Tgt Ion: 43 Resp: 4658

Ion	Ratio	Lower	Upper
43	100		
58	32.6	5.0	65.0

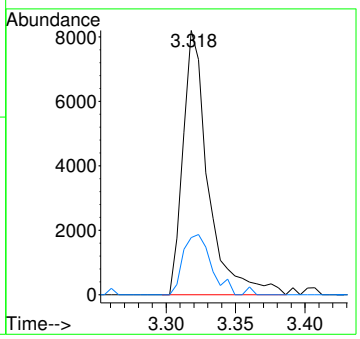




#42
2-Butanone
Concen: 2.43 ug/L
RT: 3.318 min Scan# 522
Delta R.T. 0.001 min
Lab File: 2P92665.D
Acq: 6 Sep 2022 1:41 pm

Tgt Ion: 43 Resp: 10357

Ion	Ratio	Lower	Upper
43	100		
72	21.6	0.0	58.9



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E33997.d
Acq On : 7 Sep 2022 10:56 am
Operator : courtnef
Sample : MB
Misc : MS52327,V5E1550,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 21:33:21 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.951	96	312794	50.00	ug/L	0.00
61) Chlorobenzene-d5	12.115	117	235431	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	111982	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.079	113	91573	51.02	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.04%			
49) 1,2-Dichloroethane-d4	8.665	65	91396	49.76	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.52%			
62) Toluene-d8	10.542	98	304362	49.88	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.76%			
86) 4-Bromofluorobenzene	13.328	95	103191	49.93	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.86%			

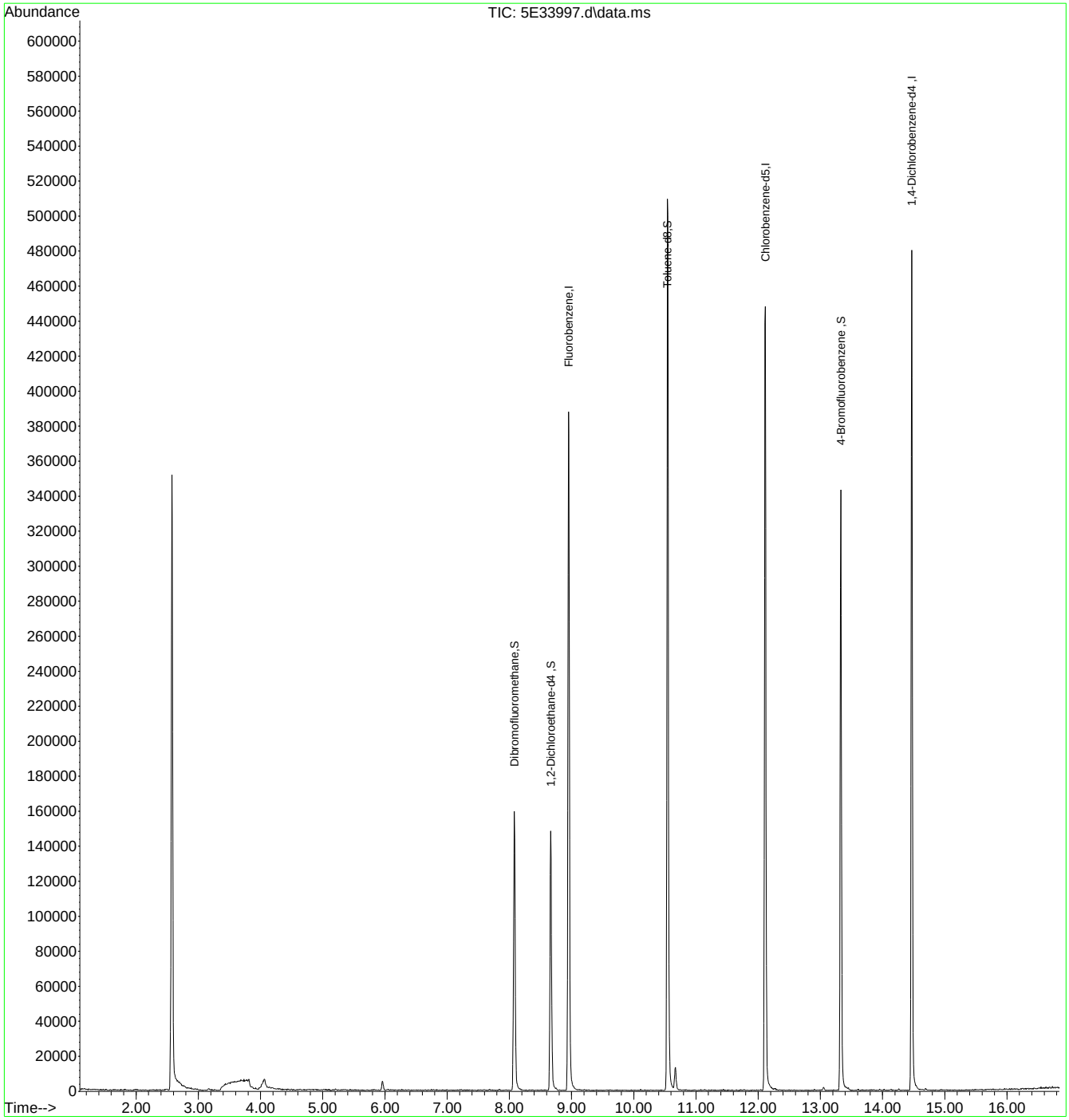
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E33997.d
Acq On : 7 Sep 2022 10:56 am
Operator : courtnef
Sample : MB
Misc : MS52327,V5E1550,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 21:33:21 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 14:37

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:48:05 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.723	96	1238897	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.642	117	914632	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.330	152	434633	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.263	113	266228	50.56	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.12%			
49) 1,2-Dichloroethane-d4	3.550	65	371530	50.80	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.60%			
63) Toluene-d8	4.648	98	1221182	48.52	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.04%			
86) 4-Bromofluorobenzene	6.494	174	331888	48.96	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.92%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.119	85	90671	26.51	ug/L	99
3) Chloromethane	1.250	50	100445	26.58	ug/L	93
4) 1,3-butadiene	1.318	39	102527	29.20	ug/L	99
5) Vinyl Chloride	1.302	62	128683	27.94	ug/L	97
6) Bromomethane	1.506	94	64452	22.61	ug/L	96
7) Chloroethane	1.580	64	36449	24.00	ug/L	93
8) Trichlorofluoromethane	1.668	101	152532	30.85	ug/L	100
9) Ethyl Ether	1.878	59	104666	24.29	ug/L	96
10) Ethanol	1.961	45	68791	534.54	ug/L	98
11) 1,2-Dichlorotrifluoroe...	1.977	67	133258	33.05	ug/L	98
12) 1,1-Dichloroethene	1.982	61	172280	29.25	ug/L	99
13) Freon 113	2.013	101	105208	28.59	ug/L	97
14) Carbon Disulfide	1.998	76	222982	23.48	ug/L	95
15) Iodomethane	2.061	142	62296	25.38	ug/L	99
16) Acrolein	2.155	56	174000	110.38	ug/L	98
17) Allyl chloride	2.249	41	129949	30.68	ug/L	96
18) Methylene Chloride	2.301	49	148430	23.10	ug/L	97
19) Acetone	2.317	43	391594	137.54	ug/L	99
20) Methyl acetate	2.395	43	795966	138.08	ug/L	99
21) trans-1,2-Dichloroethene	2.400	61	165086	27.67	ug/L	99
22) Hexane	2.468	56	96226	32.86	ug/L	97
23) Methyl Tert Butyl Ether	2.474	73	418474	30.78	ug/L	87
24) Tert Butyl Alcohol	2.510	59	425520	253.03	ug/L	97
25) Acetonitrile	2.552	41	231189	242.35	ug/L	99
26) Di-isopropyl ether	2.688	45	348637	27.61	ug/L	99
27) Chloroprene	2.730	53	604323	33.60	ug/L	93
28) 1,1-Dichloroethane	2.730	63	221135	28.19	ug/L	100
29) Acrylonitrile	2.730	52	400179	140.73	ug/L	85
30) ETBE	2.881	59	370359	25.04	ug/L	99
31) Vinyl acetate	2.860	43	1317150	129.46	ug/L	99
32) cis-1,2-Dichloroethene	3.022	96	126355	27.00	ug/L	97
33) 2,2-Dichloropropane	3.085	77	156978	26.10	ug/L	98
34) Bromochloromethane	3.127	128	53233	25.17	ug/L	97
35) Cyclohexane	3.164	56	215682	29.61	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:48:05 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36)	Chloroform	3.169	83	213941	27.17	ug/L		99
37)	Ethyl acetate	3.226	43	998121	129.70	ug/L		100
38)	Tetrahydrofuran	3.258	42	81421	27.71	ug/L		97
40)	Carbon Tetrachloride	3.268	117	132660m	27.68	ug/L		
41)	1,1,1-Trichloroethane	3.294	97	187808	27.97	ug/L		96
42)	2-Butanone	3.315	43	651411	135.74	ug/L		100
43)	1,1-Dichloropropene	3.362	75	161842	27.40	ug/L		97
44)	tert-Butyl formate	3.409	59	368176	113.95	ug/L		95
45)	Propionitrile	3.462	54	390315	257.71	ug/L		99
46)	Methacrylonitrile	3.483	41	1060075	262.02	ug/L		99
47)	Benzene	3.493	78	502810	26.67	ug/L		98
48)	TAME	3.566	73	475969	35.39	ug/L		97
50)	Isobutyl alcohol	3.587	43	453604m	585.45	ug/L		
51)	1,2-Dichloroethane	3.587	62	174499	25.85	ug/L		99
52)	Tert Amyl Alcohol	3.650	59	341428	241.82	ug/L		95
53)	Trichloroethene	3.828	95	126610	26.09	ug/L		97
54)	Methylcyclohexane	3.848	83	199720	31.07	ug/L		98
55)	Dibromomethane	4.052	93	66437	24.92	ug/L		90
56)	1,2-Dichloropropane	4.110	63	115183	25.14	ug/L		98
57)	Bromodichloromethane	4.146	83	128325	26.35	ug/L		97
58)	Methyl methacrylate	4.235	41	126078	24.94	ug/L		96
59)	1,4-Dioxane	4.256	88	79549	552.59	ug/L		97
60)	2-Chloroethyl vinyl ether	4.481	63	491915	129.08	ug/L		98
61)	cis-1,3-Dichloropropene	4.523	75	163597	25.86	ug/L		95
64)	Toluene	4.680	91	540264	25.02	ug/L		99
65)	2-Nitropropane	4.779	41	183341	113.20	ug/L		96
66)	4-Methyl-2-pentanone	4.889	43	1051984	126.29	ug/L		99
67)	trans-1,3-Dichloropropene	4.920	75	161014	26.24	ug/L		85
68)	Tetrachloroethene	4.936	166	122339	26.67	ug/L		97
69)	Ethyl methacrylate	5.030	69	179320	23.84	ug/L		97
70)	1,1,2-Trichloroethane	5.020	83	91867	24.87	ug/L		96
71)	Dibromochloromethane	5.145	129	89812	24.10	ug/L		98
72)	1,3-Dichloropropane	5.197	76	189324	23.06	ug/L		97
73)	1,2-Dibromoethane	5.297	107	111693	25.02	ug/L		90
74)	3,3-dimethyl-1-butanol	5.417	57	2262068	1219.54	ug/L		99
75)	2-hexanone	5.433	43	1211464	129.53	ug/L	#	70
76)	1-Chlorohexane	5.652	91	171247m	24.87	ug/L		
77)	Ethylbenzene	5.684	91	610875	25.80	ug/L		99
78)	Chlorobenzene	5.657	112	326313	25.24	ug/L		97
79)	1,1,1,2-Tetrachloroethane	5.699	131	100821	25.19	ug/L		99
80)	m,p-Xylene	5.783	91	950801	50.77	ug/L		99
81)	o-Xylene	6.081	91	475872	25.82	ug/L		97
82)	Styrene	6.112	104	358059	25.39	ug/L		99
83)	Bromoform	6.117	173	47435	23.80	ug/L		99
84)	Isopropylbenzene	6.311	105	563115	26.48	ug/L		99
87)	cis-1,4-Dichloro-2-butene	6.525	53	49553	20.96	ug/L		91
88)	n-Propylbenzene	6.609	91	667936	25.05	ug/L		100
89)	Bromobenzene	6.572	156	127021	23.56	ug/L		94
90)	1,1,2,2-Tetrachloroethane	6.630	83	172874	24.03	ug/L		98
91)	1,3,5-Trimethylbenzene	6.755	105	449533	24.21	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:48:05 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

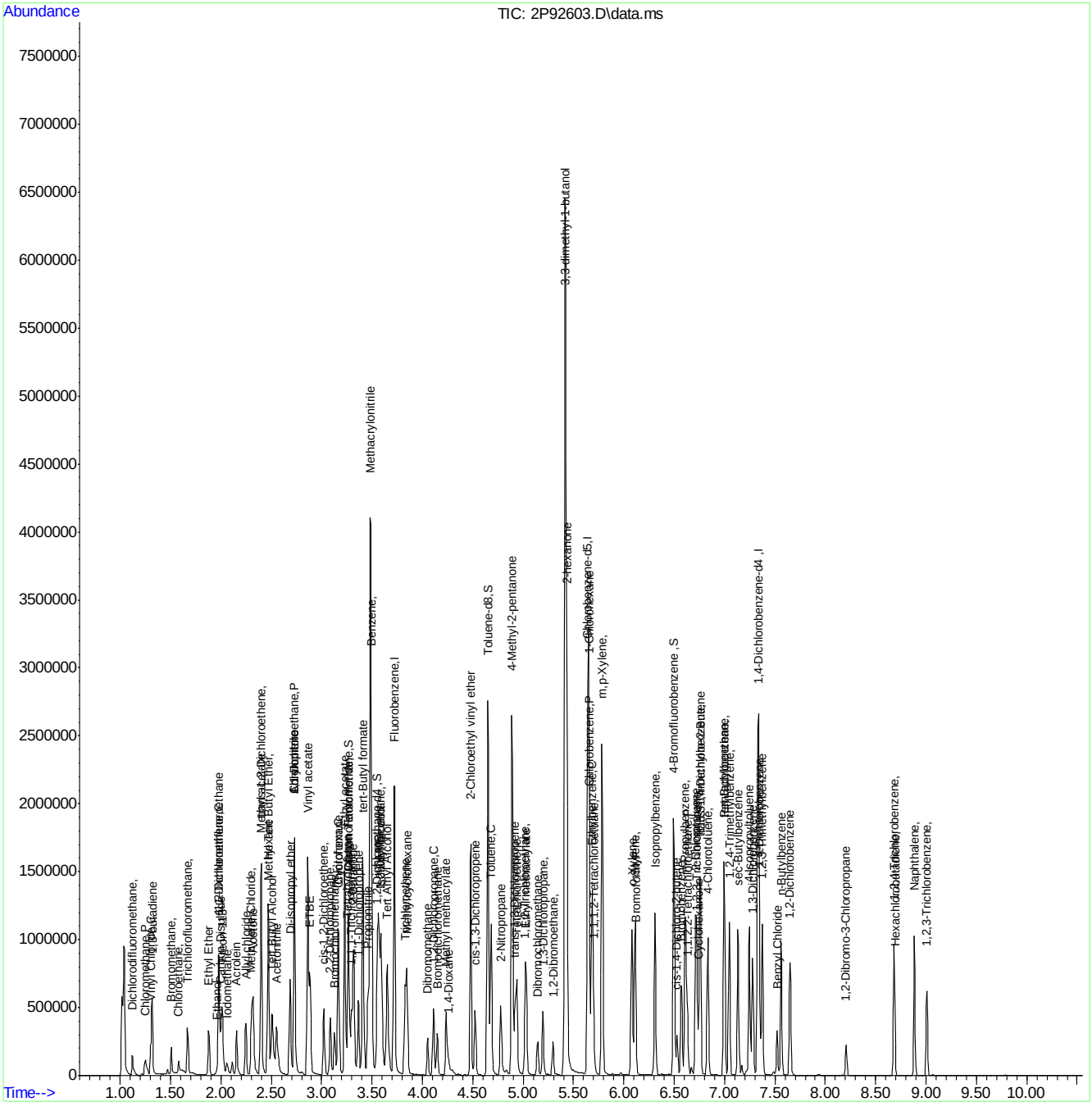
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.713	91	393812	24.47	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.760	53	60174	19.52	ug/L		94
94)	1,2,3-Trichloropropane	6.724	110	60650	22.60	ug/L		98
95)	Cyclohexanone	6.745	55	76259	135.74	ug/L		97
96)	4-Chlorotoluene	6.834	91	413550	24.38	ug/L		98
97)	tert-Butylbenzene	6.996	91	256668	25.18	ug/L		97
99)	1,2,4-Trimethylbenzene	7.048	105	452889	25.01	ug/L		99
100)	Pentachloroethane	6.996	167	55589	25.15	ug/L	#	78
101)	sec-Butylbenzene	7.132	105	526364	26.66	ug/L		99
102)	4-Isopropyltoluene	7.247	119	464122	26.82	ug/L		99
103)	1,3-Dichlorobenzene	7.278	146	241176	24.90	ug/L		99
104)	1,2,3-Trimethylbenzene	7.372	105	459692	25.31	ug/L		100
105)	1,4-Dichlorobenzene	7.346	146	245143	24.22	ug/L		95
106)	n-Butylbenzene	7.560	92	206473	24.43	ug/L		99
107)	Benzyl Chloride	7.524	126	29299	15.27	ug/L	#	92
108)	1,2-Dichlorobenzene	7.649	146	225647	24.82	ug/L		99
109)	1,2-Dibromo-3-Chloropr...	8.203	75	35209	22.00	ug/L		91
110)	Hexachlorobutadiene	8.690	225	42980	26.31	ug/L		91
111)	1,2,4-Trichlorobenzene	8.684	180	116155	24.02	ug/L		96
112)	Naphthalene	8.883	128	477653	24.02	ug/L		100
113)	1,2,3-Trichlorobenzene	9.009	180	111897	24.65	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:48:05 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

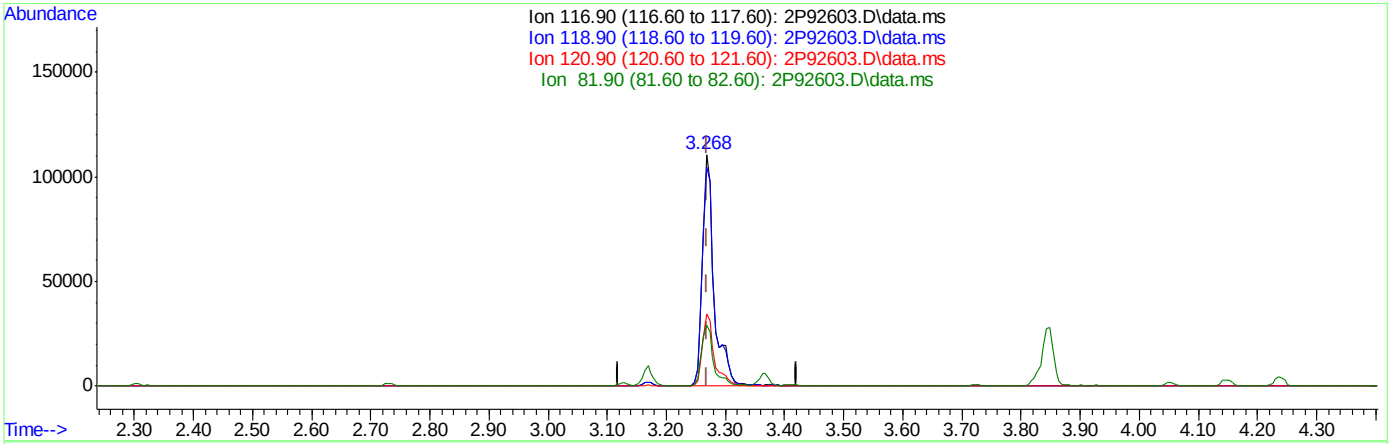
Sample Number: V2P3567-BS
Lab FileID: 2P92603.D
Injection Time: 09/01/22 13:36
Method: SW846 8260D
Analyst approved: 09/01/22 13:49 Courtney Failla
Supervisor approved: 09/02/22 14:37 Karen Watson

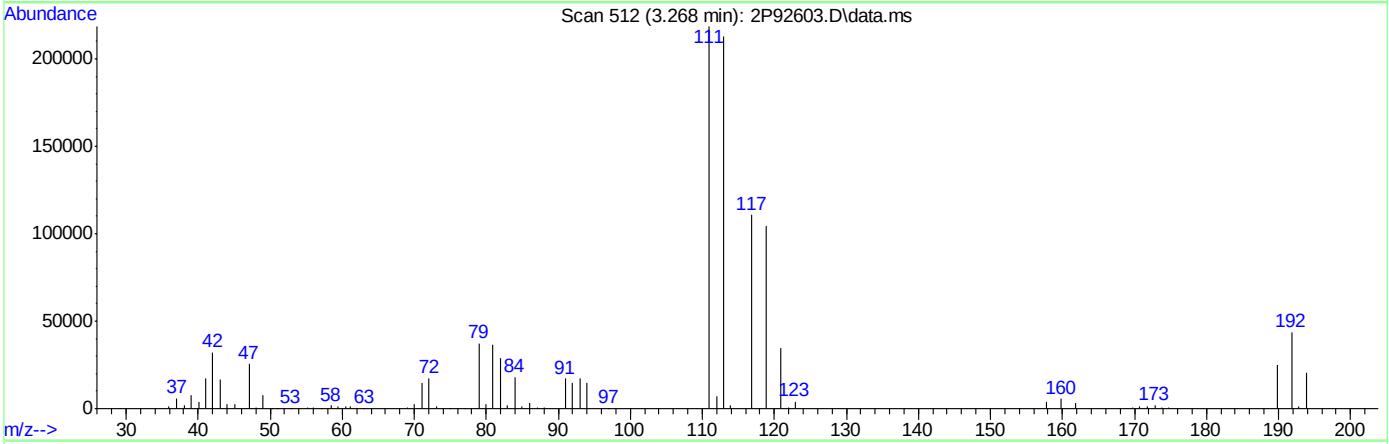
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:47:35 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92603.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (-0.002) 31.71ug/L

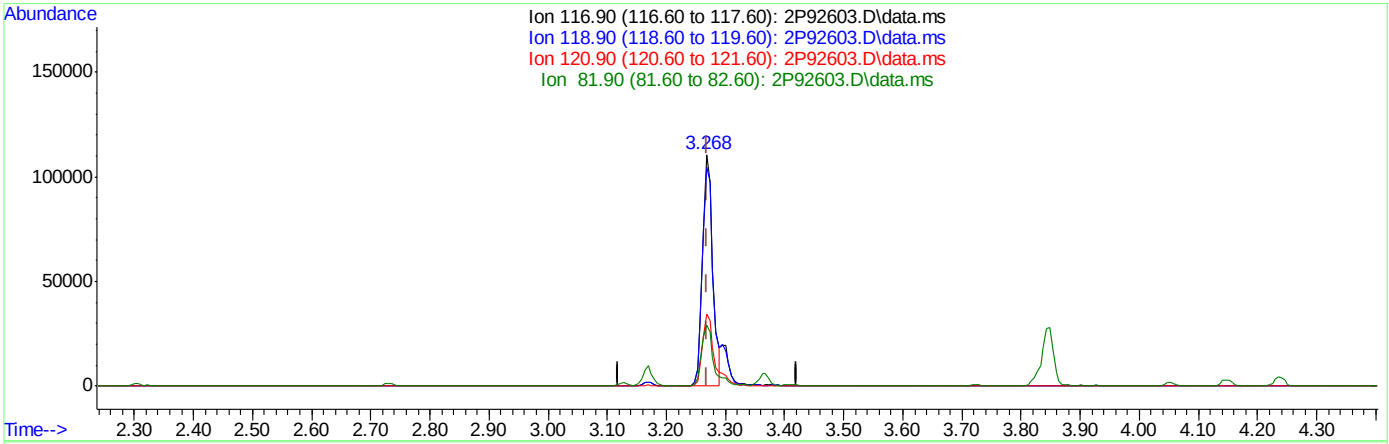
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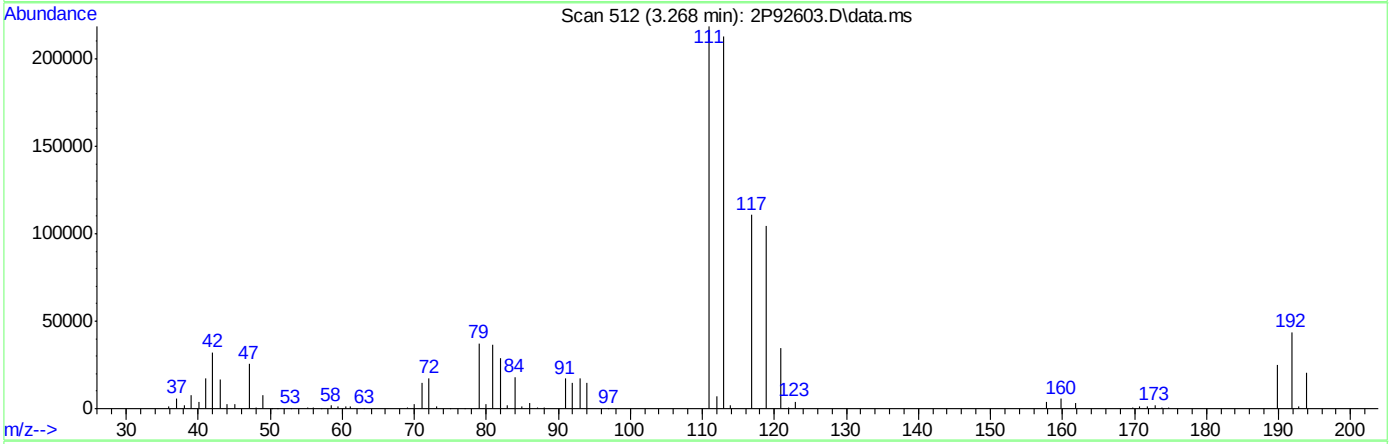
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	94.57
120.90	29.50	31.38
81.90	28.30	25.93

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:47:35 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92603.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (-0.002) 27.68ug/L m

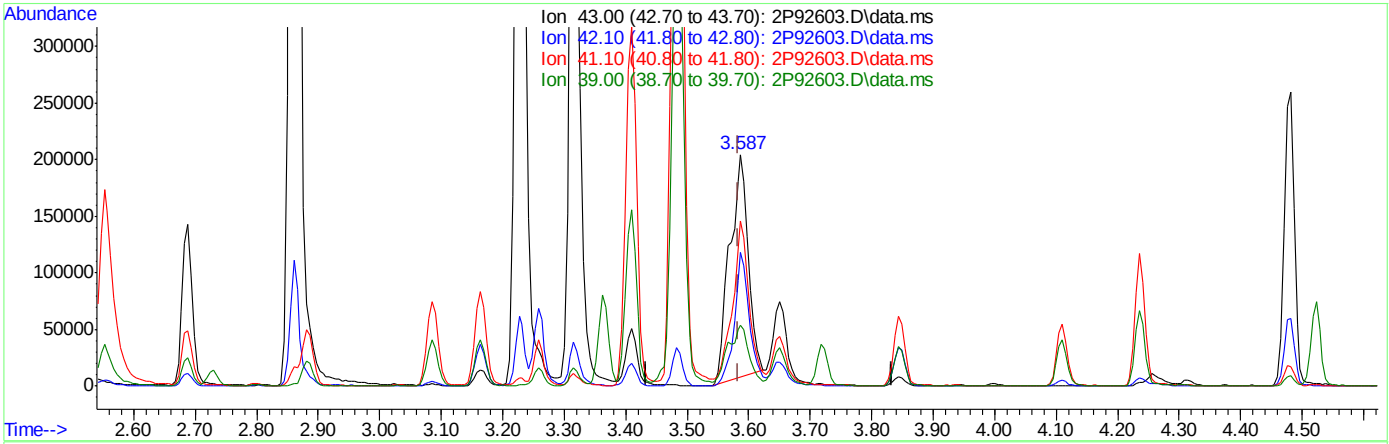
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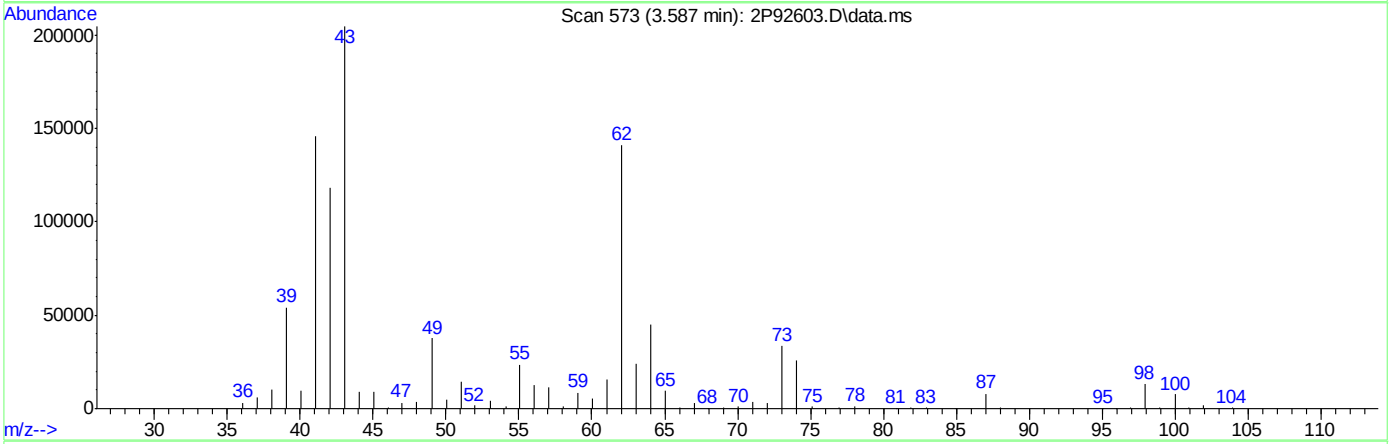
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	94.57
120.90	29.50	31.38
81.90	28.30	26.11

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:47:35 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92603.D\data.ms

(50) Isobutyl alcohol

3.587min (+0.003) 533.14ug/L

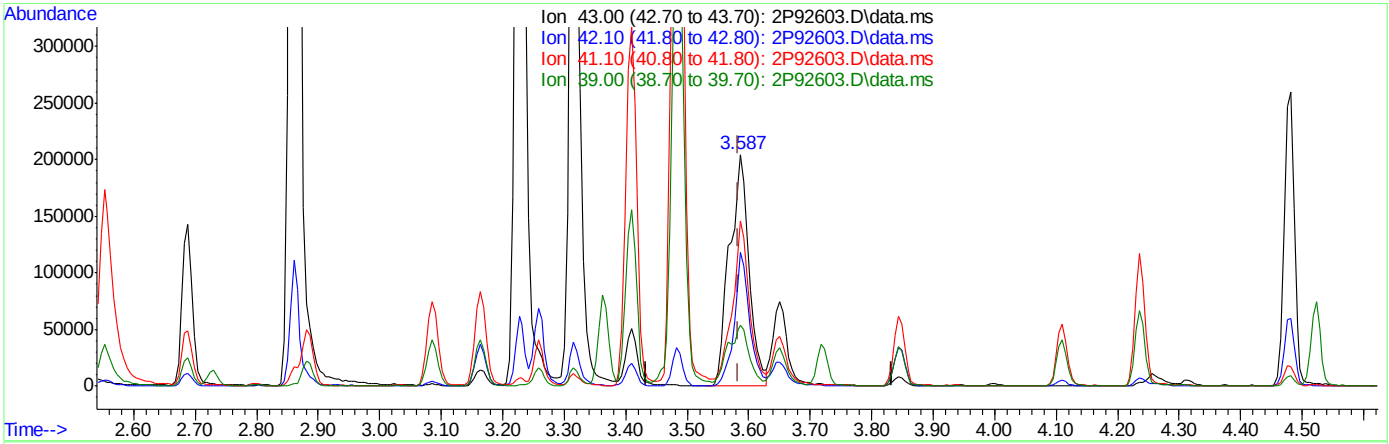
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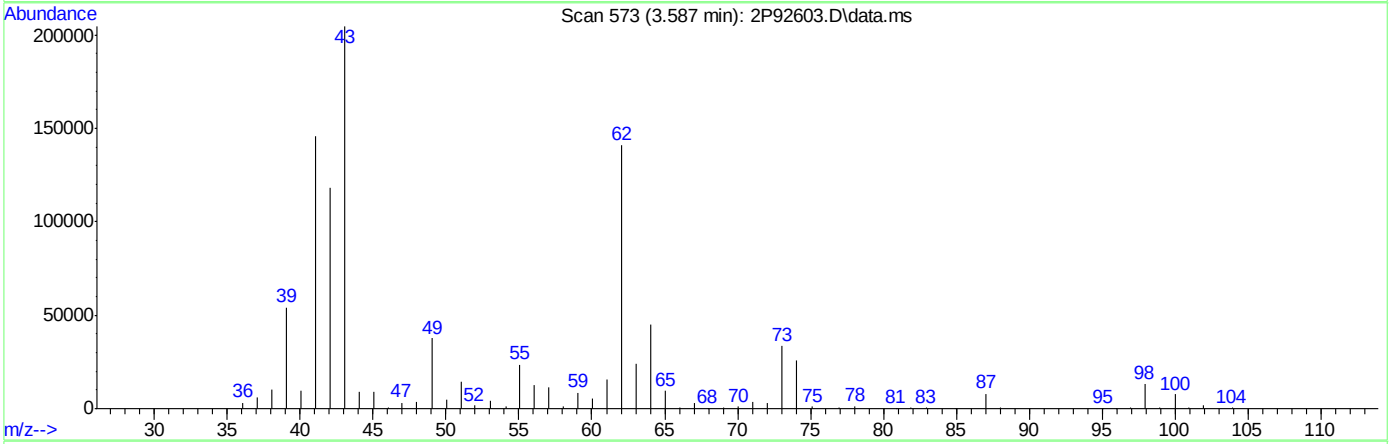
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.66
41.10	70.00	68.35
39.00	27.50	24.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:47:35 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92603.D\data.ms

(50) Isobutyl alcohol

3.587min (+0.003) 585.45ug/L m

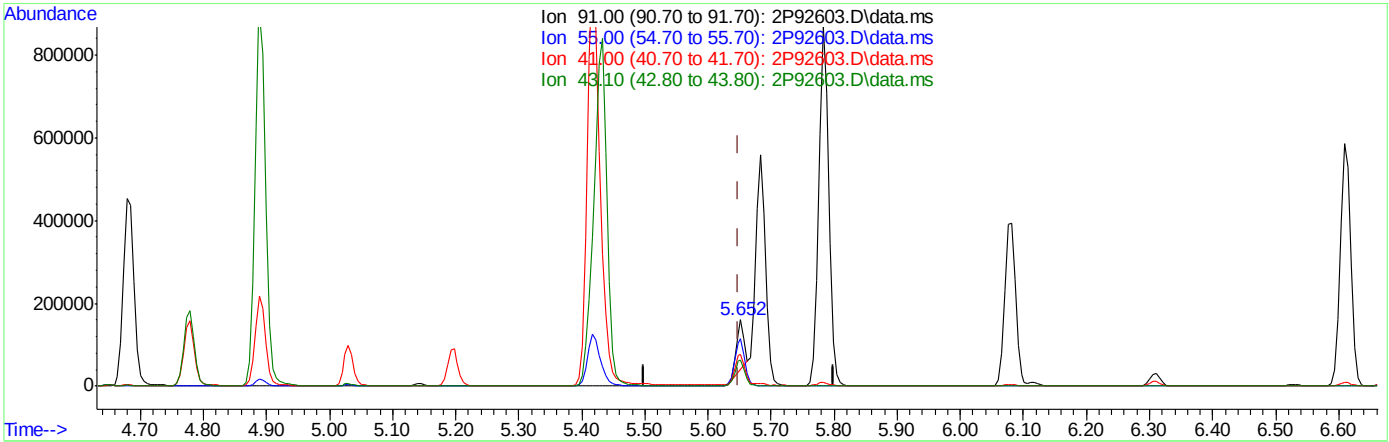
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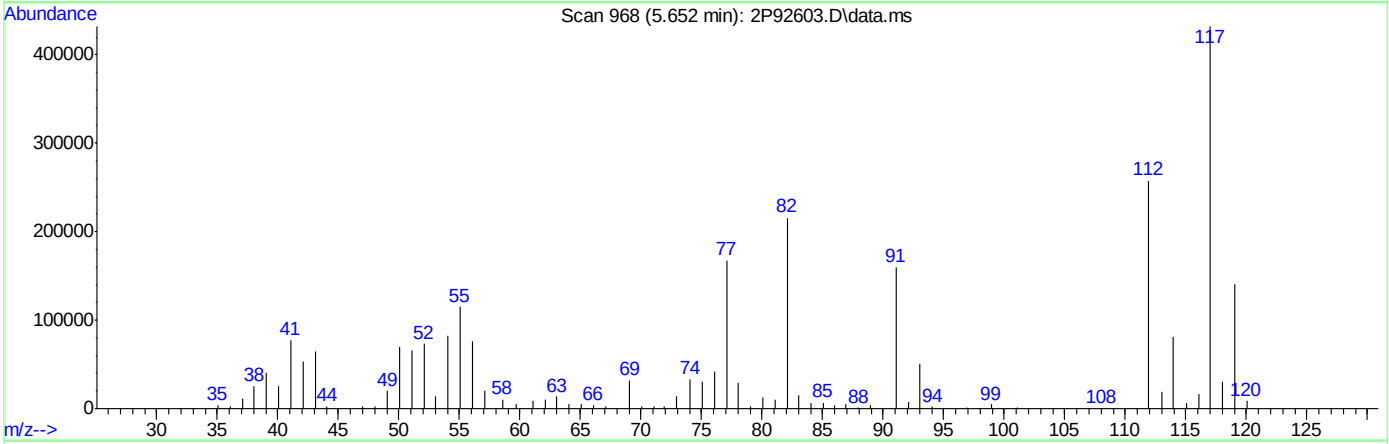
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.66
41.10	70.00	71.19
39.00	27.50	26.53

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:47:35 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92603.D\data.ms

(76) 1-Chlorohexane

5.652min (+0.003) 16.28ug/L

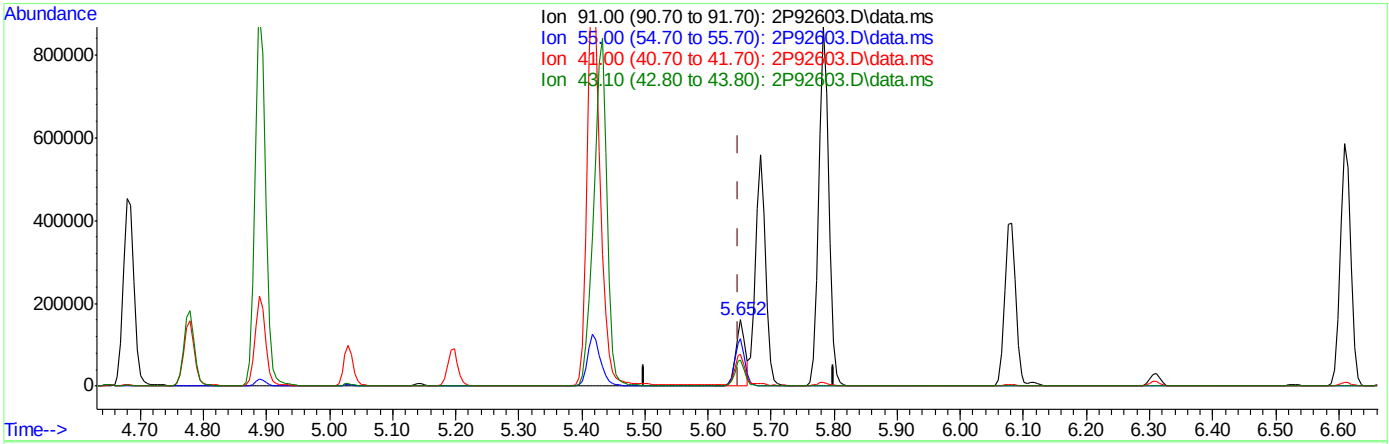
response 112141

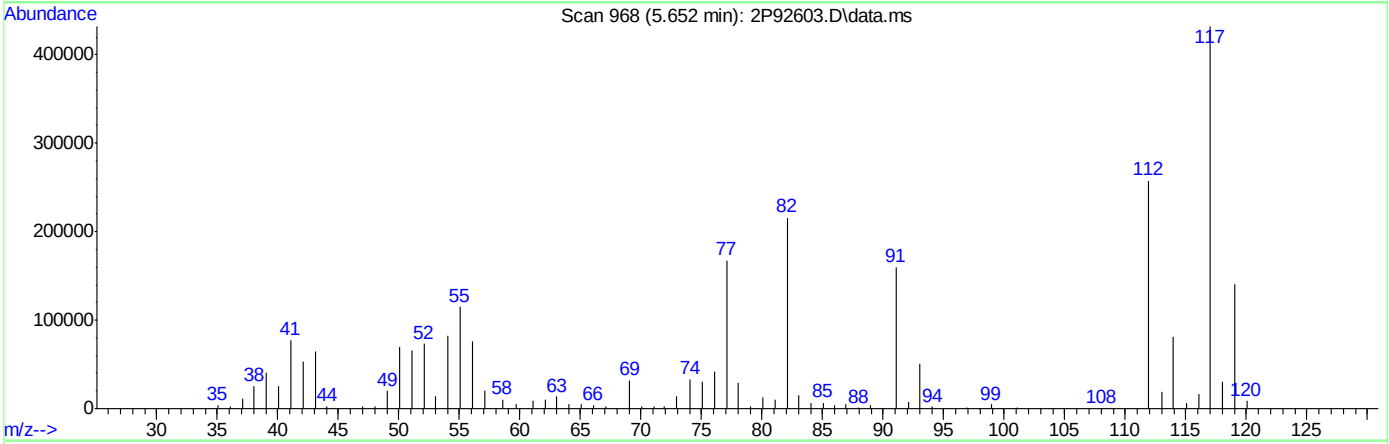
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	69.67
41.00	53.40	46.75
43.10	41.30	39.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:47:35 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92603.D\data.ms

(76) 1-Chlorohexane

5.652min (+0.003) 24.87ug/L m

response 171247

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	71.73
41.00	53.40	48.61
43.10	41.30	40.15

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 16:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 02:10:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	628713	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	556556	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	285059	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	139011	49.35	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.70%			
49) 1,2-Dichloroethane-d4	9.205	65	169296	49.20	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.40%			
63) Toluene-d8	10.932	98	665464	48.34	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.68%			
86) 4-Bromofluorobenzene	13.007	174	204945	47.36	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.72%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.841	85	87921	24.67	ug/L	95
3) Acrolein	5.579	56	90189	105.30	ug/L	94
4) Chloromethane	3.170	50	102435	26.16	ug/L	91
5) 1,3-butadiene	3.340	39	93787	26.27	ug/L	99
6) Vinyl Chloride	3.310	62	108431	24.77	ug/L	98
7) Bromomethane	3.833	94	28173	32.89	ug/L	96
8) Chloroethane	4.022	64	46243	30.89	ug/L	99
9) Trichlorofluoromethane	4.247	101	126730	27.45	ug/L	100
10) Ethyl Ether	4.746	59	68543	23.94	ug/L	98
11) Ethanol	4.995	45	41645	544.11	ug/L	91
12) 1,2-Dichlorotrifluoroe...	5.038	67	100574	31.77	ug/L	96
13) 1,1-Dichloroethene	5.050	61	114377	26.68	ug/L	97
14) Freon 113	5.104	101	75829	25.45	ug/L	99
15) Carbon Disulfide	5.098	76	169904	20.85	ug/L	98
16) Iodomethane	5.275	142	17598	24.58	ug/L	76
17) Allyl chloride	5.786	41	115298	28.65	ug/L	98
18) Methylene Chloride	5.956	49	138717	27.18	ug/L	98
19) Acetone	6.035	43	254692	141.08	ug/L	98
20) Methyl acetate	6.230	43	562483	137.53	ug/L	97
21) trans-1,2-Dichloroethene	6.218	61	109439	25.60	ug/L	93
22) Hexane	6.327	56	68746m	29.84	ug/L	
23) Methyl Tert Butyl Ether	6.376	73	288543	29.31	ug/L	87
24) Tert Butyl Alcohol	6.528	59	258211	253.89	ug/L	99
25) Acetonitrile	6.784	41	197150	246.85	ug/L	98
26) Di-isopropyl ether	6.984	45	271711	25.98	ug/L	96
27) Chloroprene	7.173	53	119565	128.85	ug/L	98
28) 1,1-Dichloroethane	7.209	63	149777	26.93	ug/L	94
29) Acrylonitrile	7.301	53	281511	129.36	ug/L	99
30) ETBE	7.574	59	238721	22.90	ug/L	98
31) Vinyl acetate	7.599	43	1092066	131.20	ug/L	100
32) cis-1,2-Dichloroethene	8.031	96	90589	25.57	ug/L	95
33) 2,2-Dichloropropane	8.164	77	119604	25.94	ug/L	98
34) Bromochloromethane	8.286	128	37905	22.92	ug/L	92
35) Cyclohexane	8.292	56	167483	27.32	ug/L	98
36) Chloroform	8.377	83	141664	25.54	ug/L	94
37) Ethyl acetate	8.511	43	816008	129.32	ug/L	99
38) Tetrahydrofuran	8.584	42	58377	22.94	ug/L	92
40) Carbon Tetrachloride	8.554	117	99498	26.72	ug/L	93
41) 1,1,1-Trichloroethane	8.633	97	127580	26.30	ug/L	98
42) 2-Butanone	8.742	43	443954	132.23	ug/L	99
43) 1,1-Dichloropropene	8.779	75	118420	26.77	ug/L	94
44) tert-Butyl formate	8.895	59	352819	124.09	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 02:10:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	9.077	54	251095	246.19	ug/L		95
46)	Methacrylonitrile	9.101	41	849985	255.00	ug/L		97
47)	Benzene	9.059	78	361766	25.15	ug/L		98
48)	TAME	9.168	73	340961	33.48	ug/L		97
50)	Isobutyl Alcohol	9.272	42	140573	511.82	ug/L		94
51)	1,2-Dichloroethane	9.278	62	113366	24.98	ug/L		95
52)	Tert Amyl Alcohol	9.375	59	222599m	257.13	ug/L		
53)	Trichloroethene	9.673	95	93667	26.89	ug/L		94
54)	Methylcyclohexane	9.661	83	176292	28.97	ug/L		98
55)	Dibromomethane	10.087	93	48284	24.55	ug/L		90
56)	1,2-Dichloropropane	10.172	63	84501	24.49	ug/L		98
57)	Bromodichloromethane	10.227	83	95694	26.00	ug/L		95
58)	Methyl methacrylate	10.342	41	94701	24.57	ug/L		97
59)	1,4-Dioxane	10.409	88	41160	551.59	ug/L		96
60)	2-Chloroethyl vinyl ether	10.707	63	156441	159.97	ug/L		99
61)	cis-1,3-Dichloropropene	10.780	75	128455	26.30	ug/L		95
64)	Toluene	10.975	91	397672	23.37	ug/L		97
65)	2-Nitropropane	11.170	41	201821	119.38	ug/L		99
66)	4-Methyl-2-pentanone	11.261	43	837735	123.90	ug/L		99
67)	trans-1,3-Dichloropropene	11.310	75	120501	26.01	ug/L		83
68)	Tetrachloroethene	11.304	166	92462	22.48	ug/L		96
69)	Ethyl methacrylate	11.401	69	123992	22.39	ug/L		99
70)	1,1,2-Trichloroethane	11.443	83	71352	24.11	ug/L		94
71)	Dibromochloromethane	11.589	129	69628	21.92	ug/L		98
72)	1,3-Dichloropropane	11.656	76	141124	21.85	ug/L		98
73)	1,2-Dibromoethane	11.790	107	83668	22.90	ug/L		100
74)	3,3-dimethyl-1-butanol	11.869	57	1713446m	1205.82	ug/L		
75)	2-hexanone	11.900	43	684669	140.11	ug/L		99
76)	1-Chlorohexane	12.113	91	132562	25.89	ug/L		99
77)	Ethylbenzene	12.155	91	438751	23.40	ug/L		99
78)	Chlorobenzene	12.161	112	241998	23.16	ug/L		98
79)	1,1,1,2-Tetrachloroethane	12.204	131	76483	23.06	ug/L		97
80)	m,p-Xylene	12.259	91	664176	45.85	ug/L		98
81)	o-Xylene	12.569	91	333122	23.96	ug/L		99
82)	Styrene	12.605	104	238722	23.55	ug/L		96
83)	Bromoform	12.660	173	45802	22.04	ug/L		95
84)	Isopropylbenzene	12.782	105	414030	23.41	ug/L		99
87)	cis-1,4-Dichloro-2-butene	13.031	53	36999	22.38	ug/L		87
88)	n-Propylbenzene	13.062	91	495735	23.70	ug/L		96
89)	Bromobenzene	13.098	156	85980	20.60	ug/L		89
90)	1,1,2,2-Tetrachloroethane	13.116	83	141512	24.32	ug/L		98
91)	1,3,5-Trimethylbenzene	13.177	105	319719	22.37	ug/L		99
92)	2-Chlorotoluene	13.202	91	319191	23.49	ug/L		98
93)	trans-1,4-Dichloro-2-B...	13.238	53	30158	19.64	ug/L	#	82
94)	1,2,3-Trichloropropane	13.232	110	42976	21.99	ug/L		98
95)	Cyclohexanone	13.287	55	53144	141.17	ug/L		97
96)	4-Chlorotoluene	13.311	91	284960	23.56	ug/L		99
97)	tert-Butylbenzene	13.408	91	180548	22.92	ug/L		95
98)	1,2,4-Trimethylbenzene	13.451	105	327368	23.33	ug/L		93
99)	Pentachloroethane	13.463	167	48091	22.30	ug/L		94
100)	sec-Butylbenzene	13.530	105	401890	23.52	ug/L		99
101)	4-Isopropyltoluene	13.609	119	333650	23.25	ug/L		99
102)	1,3-Dichlorobenzene	13.725	146	165056	21.98	ug/L		97
103)	1,2,3-Trimethylbenzene	13.761	105	343913	24.24	ug/L		98
104)	1,4-Dichlorobenzene	13.780	146	177371	22.28	ug/L		96
105)	n-Butylbenzene	13.895	92	151735	21.31	ug/L		93
106)	Benzyl Chloride	13.932	126	38955	17.08	ug/L		94
107)	1,2-Dichlorobenzene	14.072	146	161667	22.02	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 02:10:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

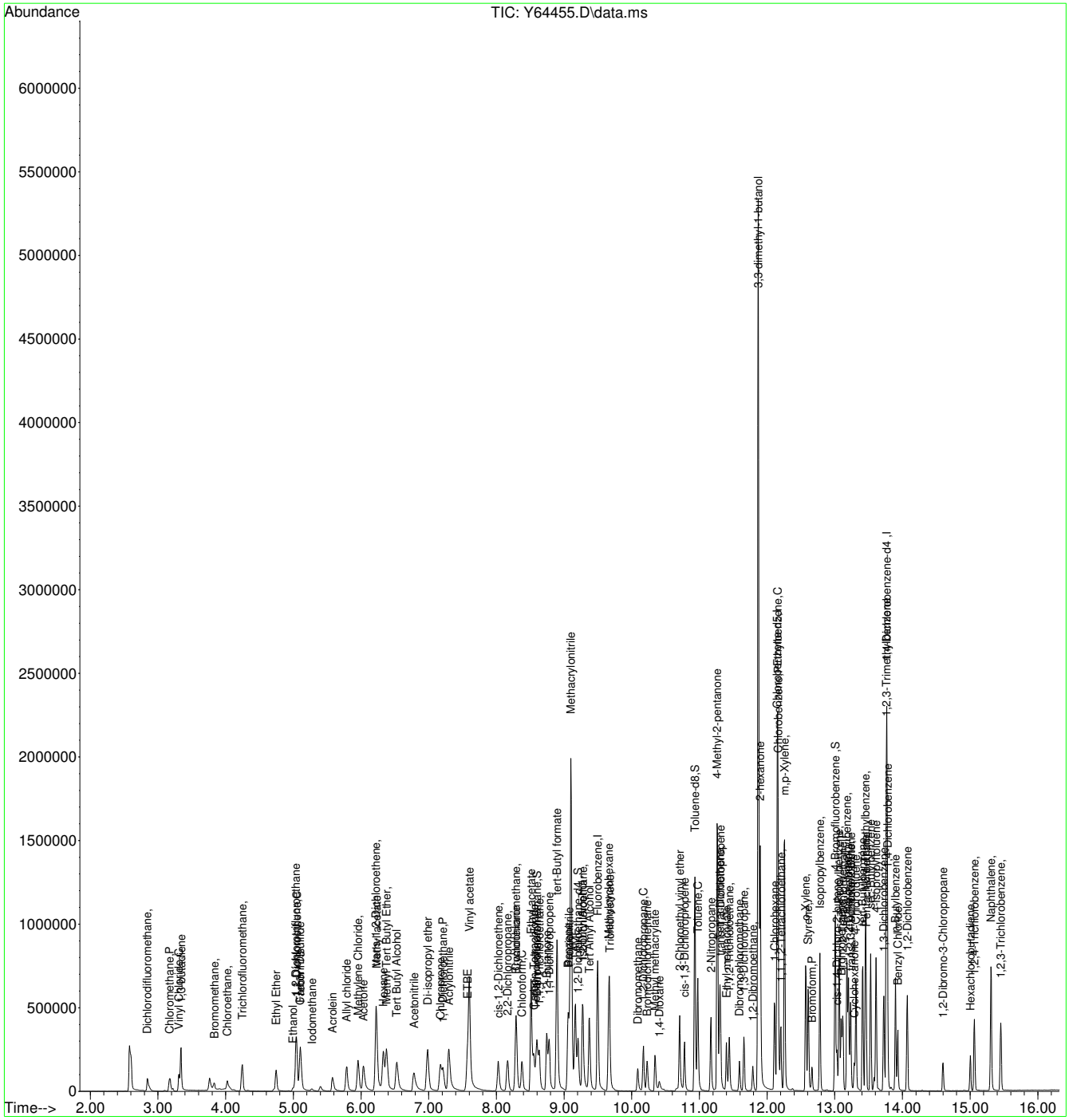
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.601	75	30914	22.81	ug/L	91
109) Hexachlorobutadiene	15.002	225	25448	18.96	ug/L	76
110) 1,2,4-Trichlorobenzene	15.063	180	96867	20.18	ug/L	96
111) Naphthalene	15.306	128	484675	23.44	ug/L	100
112) 1,2,3-Trichlorobenzene	15.452	180	96034	19.96	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 02:10:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



Manual Integration Approval Summary

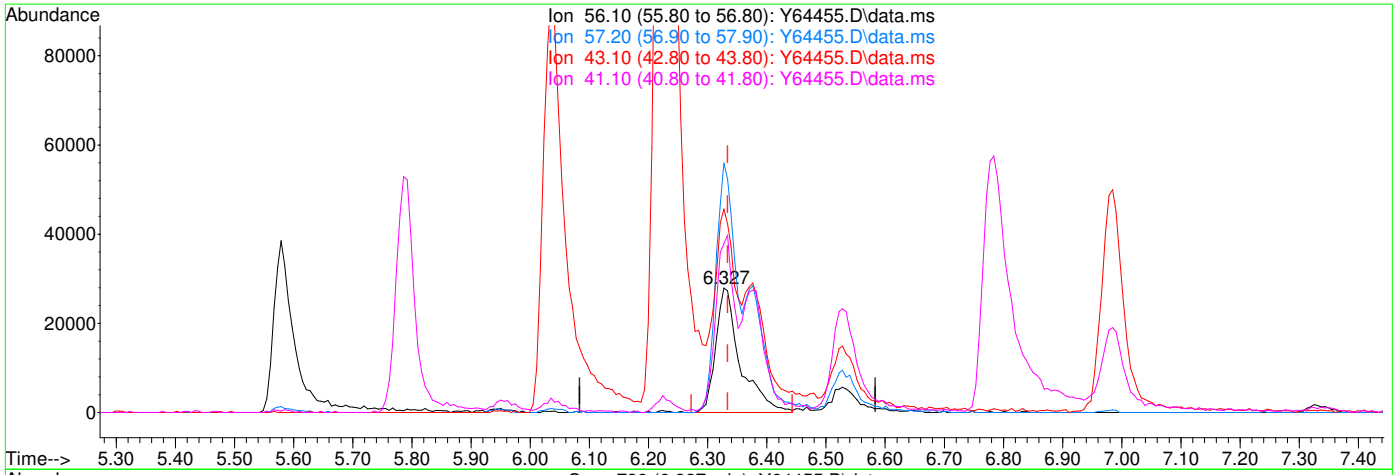
Sample Number: VY2672-BS
Lab FileID: Y64455.D
Injection Time: 09/03/22 10:53
Method: SW846 8260D
Analyst approved: 09/05/22 02:35 John Matthew de Guzman
Supervisor approved: 09/07/22 16:33 Karen Watson

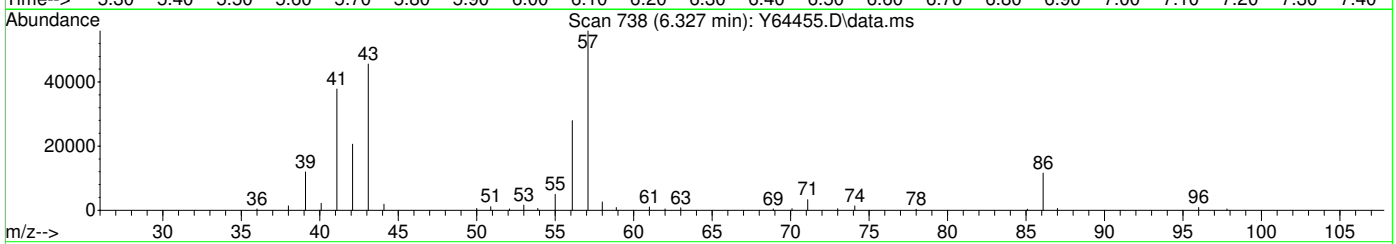
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

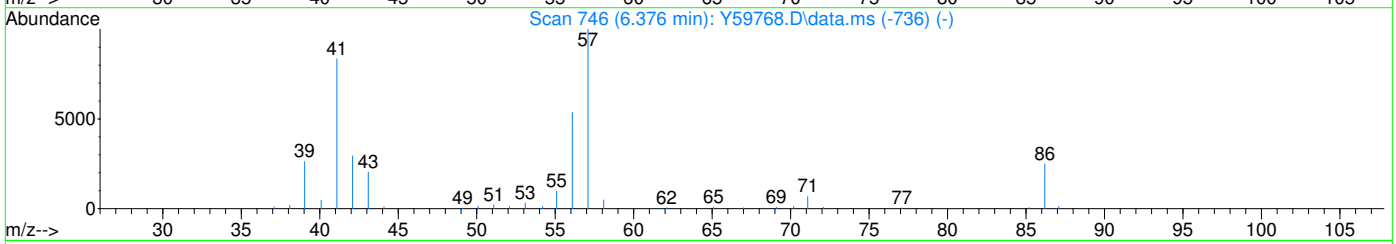
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 01:41:35 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64455.D\data.ms

(22) Hexane

6.327min (-0.006) 35.09ug/L

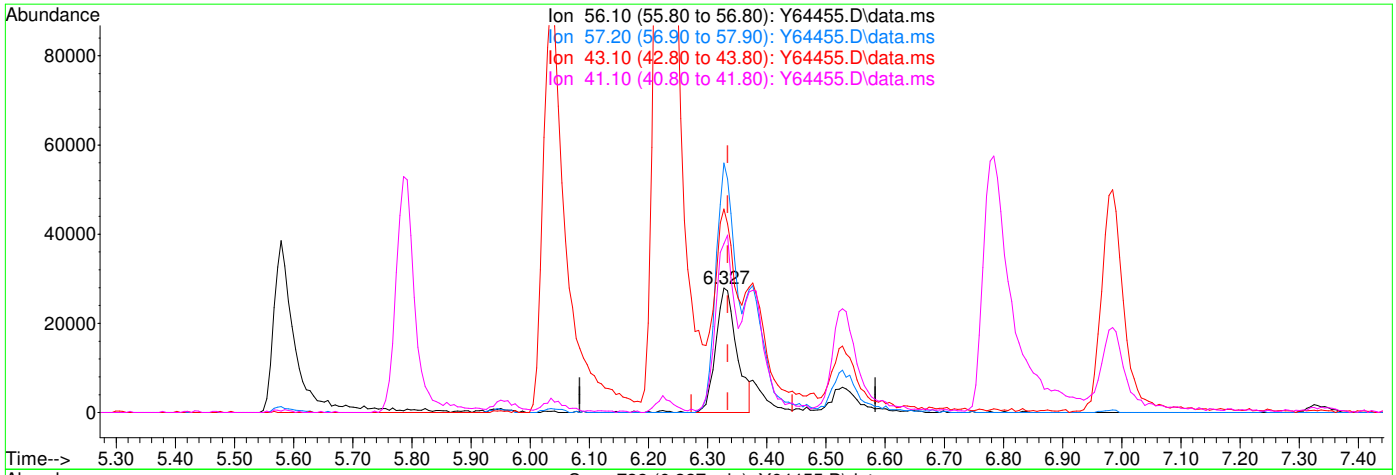
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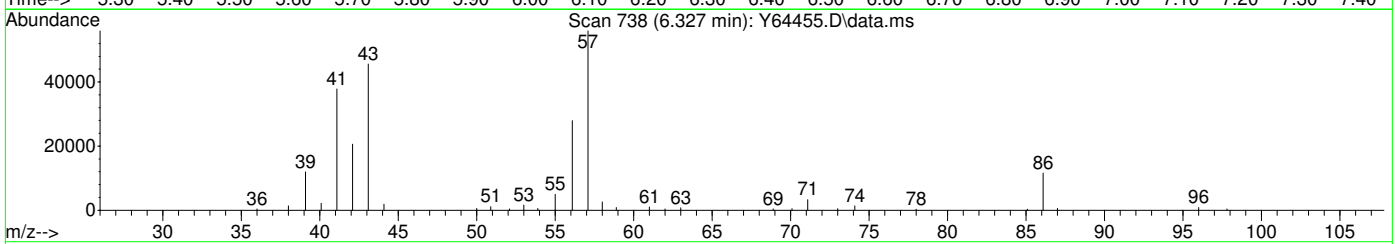
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	198.81
43.10	151.00	146.06
41.10	129.70	132.57

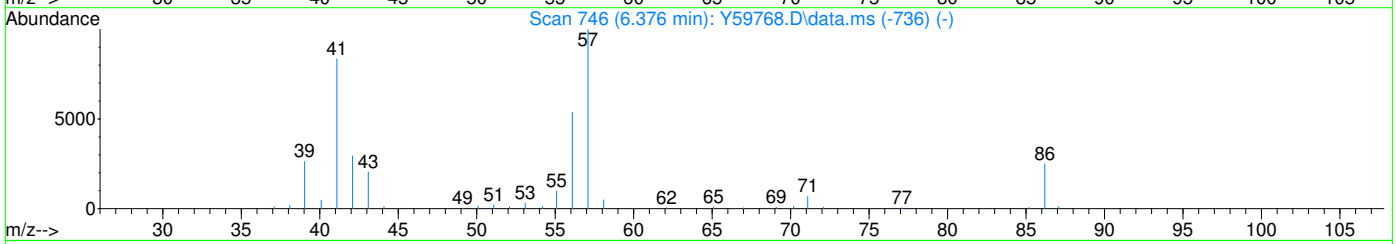
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 01:41:35 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64455.D\data.ms

(22) Hexane

6.327min (-0.006) 29.84ug/L m

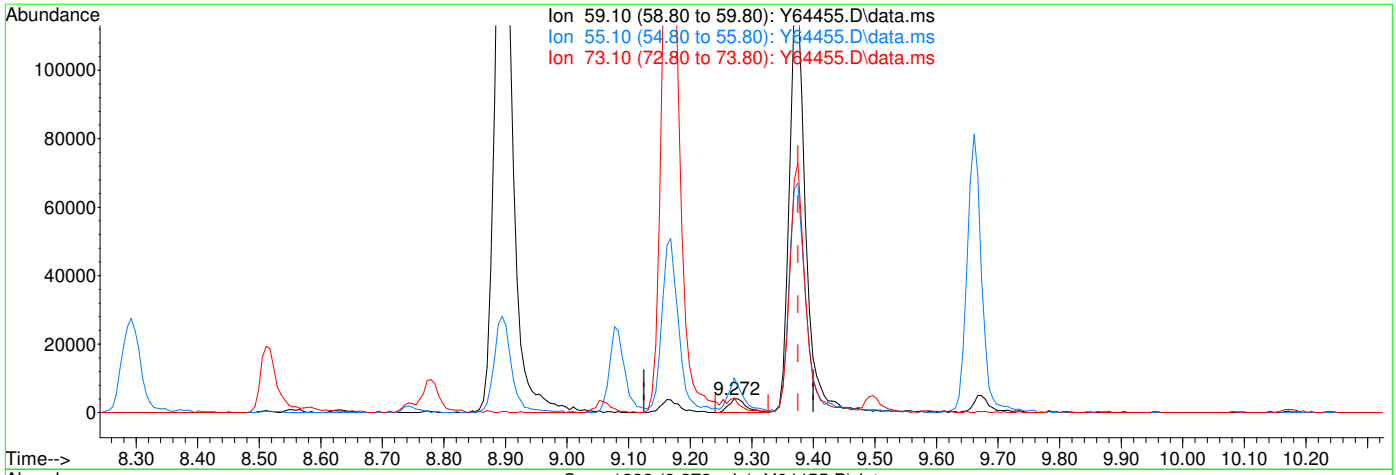
response 68746

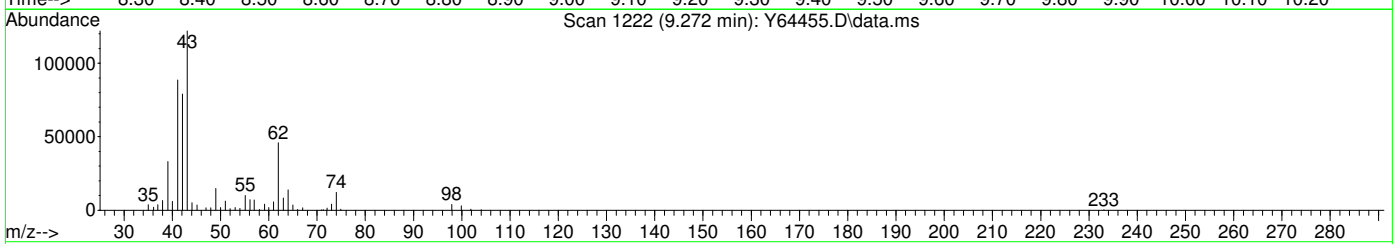
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	200.26
43.10	151.00	163.28
41.10	129.70	135.35

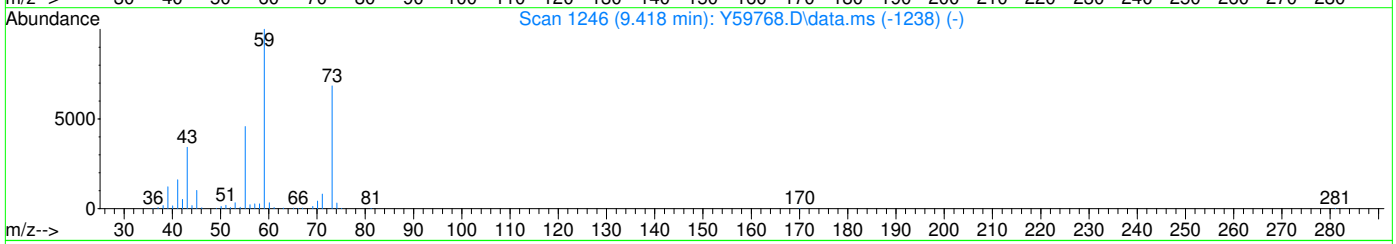
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 01:41:35 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64455.D\data.ms

(52) Tert Amyl Alcohol

9.272min (-0.103) 10.33ug/L

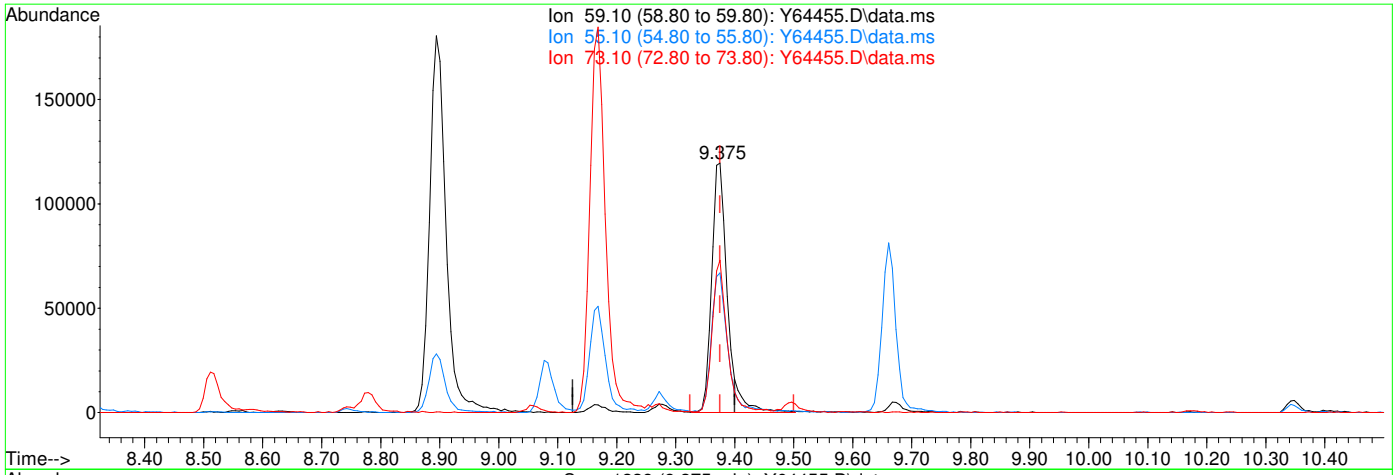
response 7952

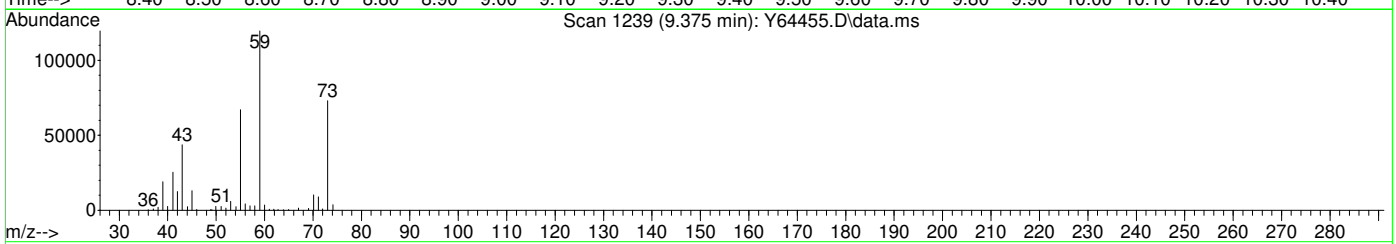
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	237.41#
73.10	59.00	91.24#
0.00	0.00	0.00

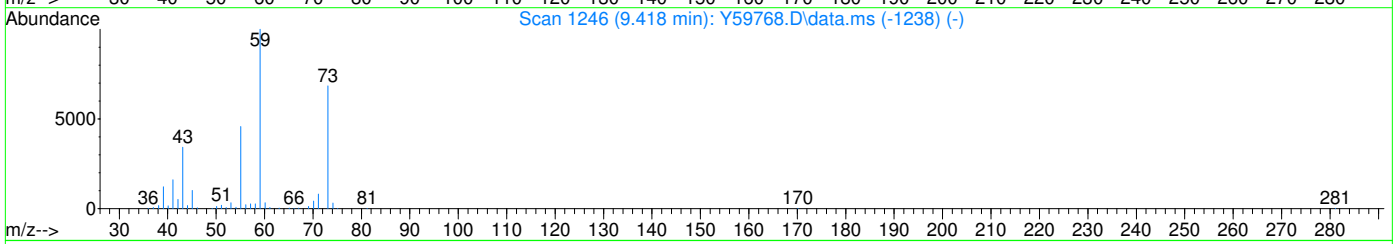
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 01:41:35 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64455.D\data.ms

(52) Tert Amyl Alcohol

9.375min (+0.000) 257.13ug/L m

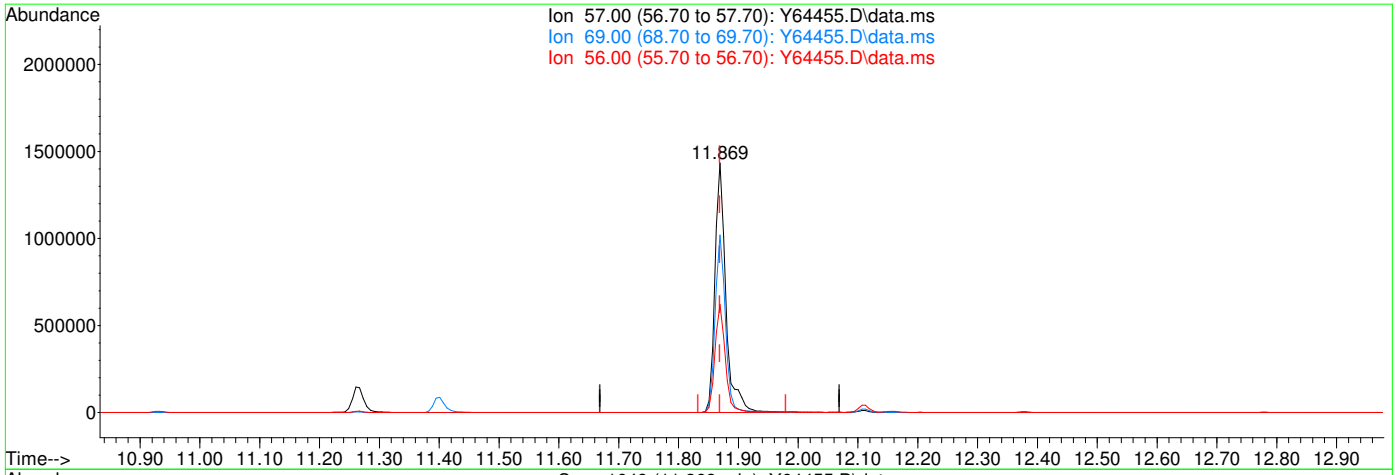
response 222599

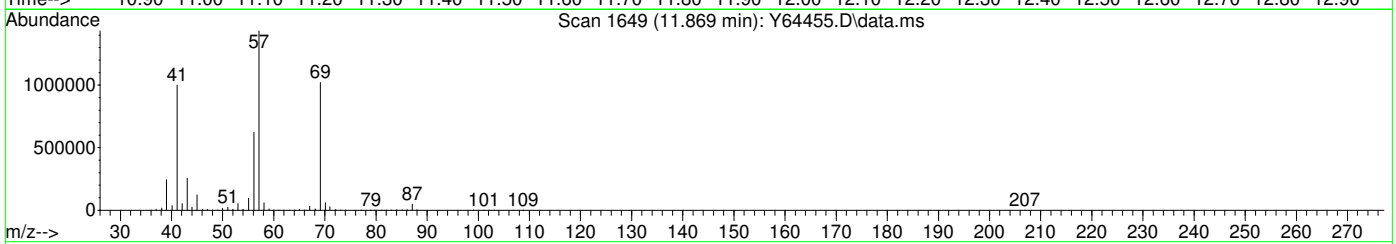
Ion	Exp%	Act%
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55.10	51.70	55.99
73.10	59.00	60.96
0.00	0.00	0.00

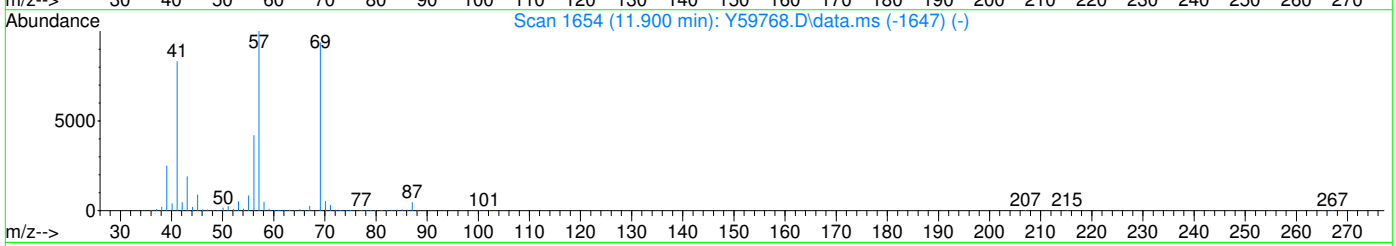
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 01:41:35 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64455.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (+0.000) 1287.46ug/L

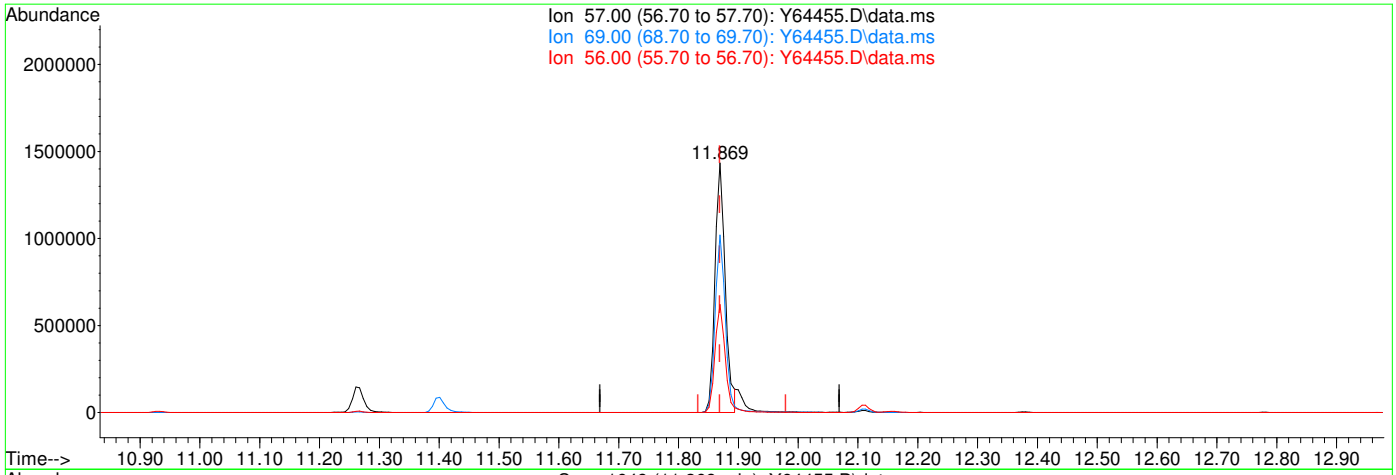
response 1842617

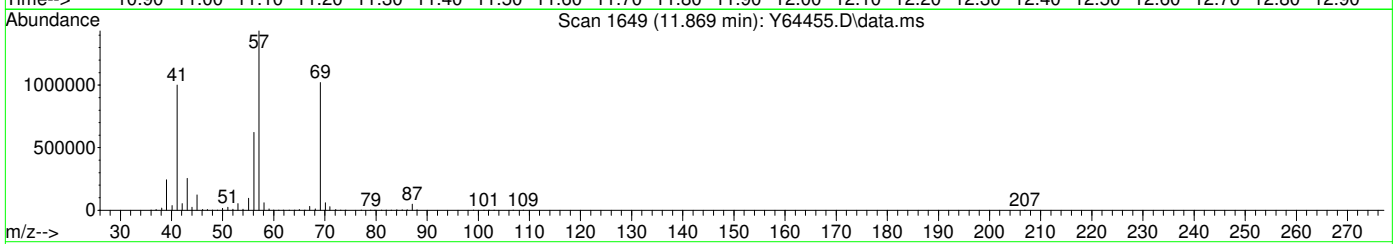
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	71.12
56.00	42.20	43.31
0.00	0.00	0.00

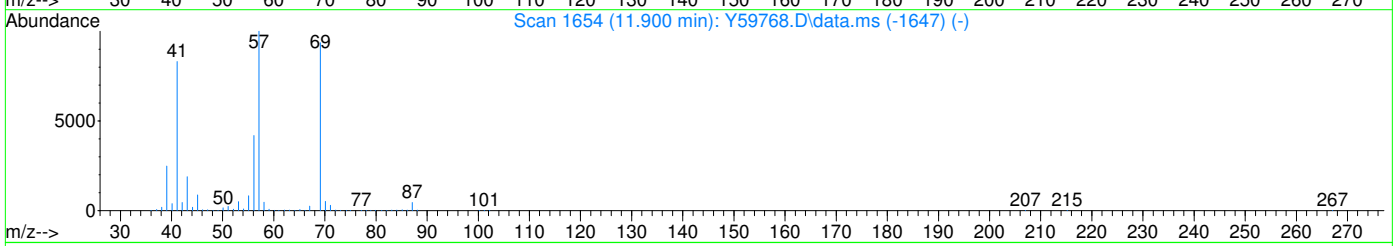
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 01:41:35 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64455.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (+0.000) 1205.82ug/L m

response 1713446

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	71.12
56.00	42.20	43.31
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1192733	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	906527	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	436090	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.265	113	263781	52.03	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 104.06%			
49) 1,2-Dichloroethane-d4	3.553	65	358423	50.90	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.80%			
63) Toluene-d8	4.651	98	1190576	47.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.46%			
86) 4-Bromofluorobenzene	6.496	174	332738	48.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	112992	34.32	ug/L	100
3) Chloromethane	1.252	50	110231	30.30	ug/L	96
4) 1,3-butadiene	1.320	39	90410	26.74	ug/L	97
5) Vinyl Chloride	1.305	62	139420	31.45	ug/L	99
6) Bromomethane	1.509	94	65193	23.76	ug/L	95
7) Chloroethane	1.582	64	37909	26.01	ug/L	97
8) Trichlorofluoromethane	1.671	101	154368	32.90	ug/L	100
9) Ethyl Ether	1.880	59	97388	23.47	ug/L	98
10) Ethanol	1.963	45	66132m	533.70	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.979	67	122464	31.55	ug/L	99
12) 1,1-Dichloroethene	1.984	61	149376	26.35	ug/L	99
13) Freon 113	2.016	101	92948	26.36	ug/L	96
14) Carbon Disulfide	2.000	76	178653	19.83	ug/L	95
15) Iodomethane	2.063	142	64099	26.94	ug/L	96
16) Acrolein	2.157	56	188127	123.96	ug/L	100
17) Allyl chloride	2.251	41	127785	31.34	ug/L	94
18) Methylene Chloride	2.303	49	141874	22.92	ug/L	98
19) Acetone	2.319	43	367638	134.06	ug/L	100
20) Methyl acetate	2.397	43	740271	133.39	ug/L	98
21) trans-1,2-Dichloroethene	2.403	61	150630	26.22	ug/L	99
22) Hexane	2.471	56	84456	30.25	ug/L	99
23) Methyl Tert Butyl Ether	2.471	73	400495	30.59	ug/L	95
24) Tert Butyl Alcohol	2.507	59	394859	243.88	ug/L	97
25) Acetonitrile	2.554	41	226105	246.20	ug/L	95
26) Di-isopropyl ether	2.690	45	330092	27.16	ug/L	98
27) Chloroprene	2.732	53	612611	35.38	ug/L	92
28) 1,1-Dichloroethane	2.732	63	209069	27.68	ug/L	99
29) Acrylonitrile	2.732	52	398750	145.66	ug/L	81
30) ETBE	2.884	59	349888	24.57	ug/L	100
31) Vinyl acetate	2.863	43	1338436	136.65	ug/L	100
32) cis-1,2-Dichloroethene	3.025	96	119013	26.42	ug/L	95
33) 2,2-Dichloropropane	3.087	77	149088	25.78	ug/L	98
34) Bromochloromethane	3.129	128	50818	24.96	ug/L	94
35) Cyclohexane	3.166	56	197626	28.28	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	3.171	83	202085	26.66	ug/L	96
37) Ethyl acetate	3.229	43	1010873	136.45	ug/L	100
38) Tetrahydrofuran	3.260	42	73443	25.96	ug/L	97
40) Carbon Tetrachloride	3.270	117	128207m	27.77	ug/L	
41) 1,1,1-Trichloroethane	3.297	97	181554	28.08	ug/L	98
42) 2-Butanone	3.317	43	615498	133.21	ug/L	100
43) 1,1-Dichloropropene	3.365	75	155743	27.38	ug/L	99
44) tert-Butyl formate	3.412	59	349798	112.59	ug/L	96
45) Propionitrile	3.459	54	379775	260.46	ug/L	97
46) Methacrylonitrile	3.485	41	1024516	263.04	ug/L	100
47) Benzene	3.495	78	476889	26.27	ug/L	93
48) TAME	3.568	73	456510	35.26	ug/L	99
50) Isobutyl alcohol	3.589	43	430155m	576.67	ug/L	
51) 1,2-Dichloroethane	3.589	62	166472	25.62	ug/L	98
52) Tert Amyl Alcohol	3.652	59	318878	234.71	ug/L	94
53) Trichloroethene	3.825	95	123629	26.46	ug/L	97
54) Methylcyclohexane	3.845	83	185477	30.07	ug/L	98
55) Dibromomethane	4.049	93	63618	24.79	ug/L	96
56) 1,2-Dichloropropane	4.112	63	113991	25.85	ug/L	99
57) Bromodichloromethane	4.149	83	122343	26.12	ug/L	97
58) Methyl methacrylate	4.238	41	126211	25.87	ug/L	98
59) 1,4-Dioxane	4.258	88	74394	536.78	ug/L	96
60) 2-Chloroethyl vinyl ether	4.478	63	443575	120.90	ug/L	98
61) cis-1,3-Dichloropropene	4.520	75	158421	26.00	ug/L	96
64) Toluene	4.682	91	521276	24.36	ug/L	100
65) 2-Nitropropane	4.776	41	165434	104.13	ug/L	95
66) 4-Methyl-2-pentanone	4.891	43	1002176	121.38	ug/L	99
67) trans-1,3-Dichloropropene	4.917	75	157910	25.98	ug/L	84
68) Tetrachloroethene	4.938	166	121334	26.69	ug/L	96
69) Ethyl methacrylate	5.032	69	179541	24.07	ug/L	99
70) 1,1,2-Trichloroethane	5.022	83	91383	24.96	ug/L	98
71) Dibromochloromethane	5.142	129	88938	24.08	ug/L	99
72) 1,3-Dichloropropane	5.194	76	183125	22.50	ug/L	98
73) 1,2-Dibromoethane	5.294	107	109520	24.75	ug/L	95
74) 3,3-dimethyl-1-butanol	5.419	57	1928294	1049.58	ug/L	98
75) 2-hexanone	5.430	43	1109420	119.68	ug/L	81
76) 1-Chlorohexane	5.649	91	173213m	25.38	ug/L	
77) Ethylbenzene	5.681	91	587945	25.05	ug/L	98
78) Chlorobenzene	5.654	112	318950	24.89	ug/L	98
79) 1,1,1,2-Tetrachloroethane	5.696	131	99677	25.13	ug/L	99
80) m,p-Xylene	5.785	91	919638	49.54	ug/L	98
81) o-Xylene	6.078	91	461873	25.28	ug/L	99
82) Styrene	6.109	104	355379	25.43	ug/L	99
83) Bromoform	6.120	173	48109	24.29	ug/L	97
84) Isopropylbenzene	6.308	105	547300	25.96	ug/L	99
87) cis-1,4-Dichloro-2-butene	6.527	53	52879	22.18	ug/L	90
88) n-Propylbenzene	6.611	91	652041	24.37	ug/L	98
89) Bromobenzene	6.569	156	124210	22.96	ug/L	96
90) 1,1,2,2-Tetrachloroethane	6.627	83	165816	22.97	ug/L	99
91) 1,3,5-Trimethylbenzene	6.757	105	439948	23.62	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

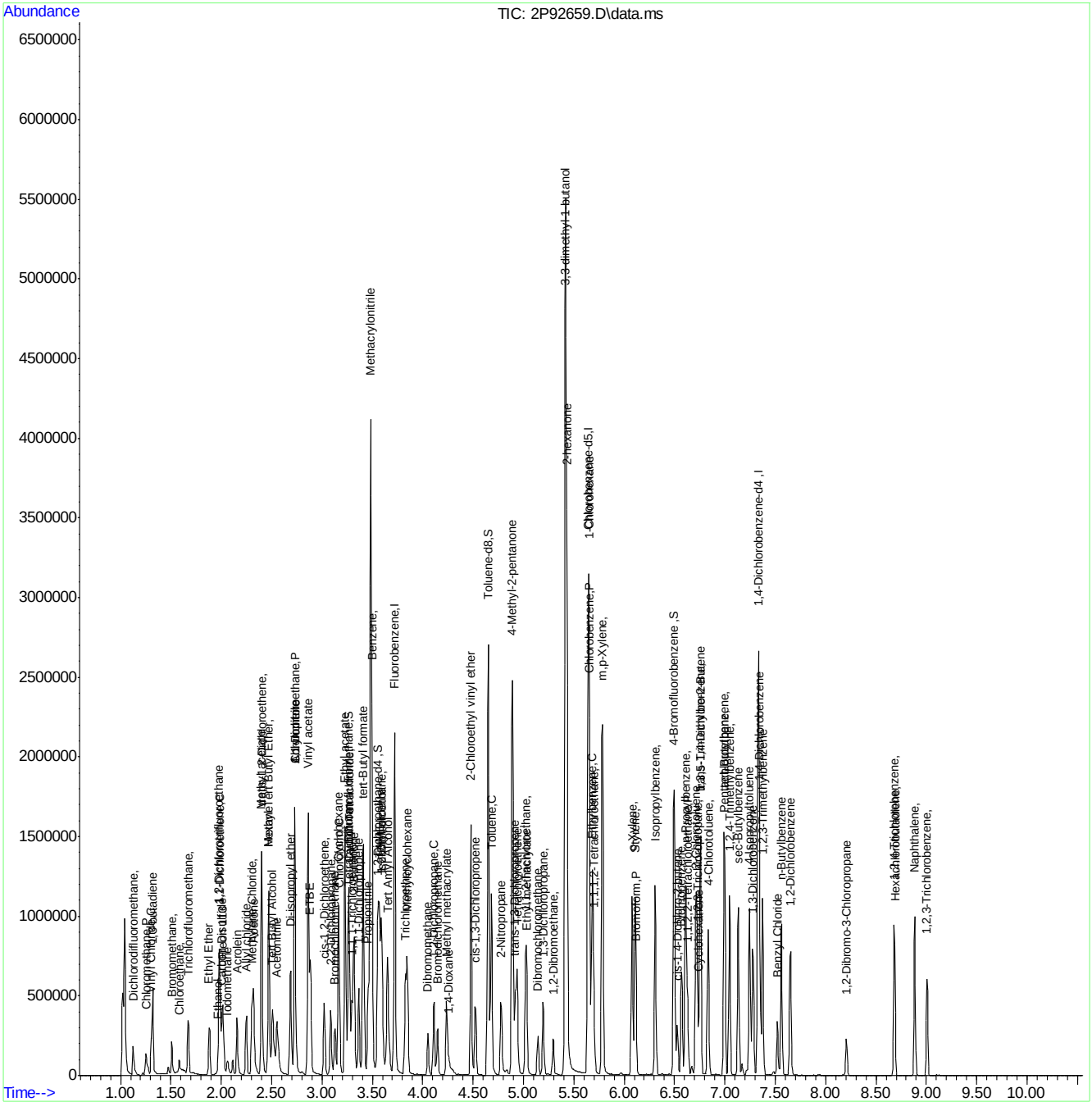
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.710	91	380937	23.59	ug/L		99
93)	trans-1,4-Dichloro-2-B...	6.757	53	59460	19.22	ug/L		91
94)	1,2,3-Trichloropropane	6.726	110	59770	22.20	ug/L		96
95)	Cyclohexanone	6.742	55	63284	112.27	ug/L		97
96)	4-Chlorotoluene	6.836	91	404733	23.78	ug/L		98
97)	tert-Butylbenzene	6.993	91	249430	24.38	ug/L		97
99)	1,2,4-Trimethylbenzene	7.045	105	439399	24.18	ug/L		100
100)	Pentachloroethane	6.998	167	57387	25.80	ug/L		98
101)	sec-Butylbenzene	7.134	105	522974	26.40	ug/L		99
102)	4-Isopropyltoluene	7.244	119	458461	26.43	ug/L		98
103)	1,3-Dichlorobenzene	7.280	146	238748	24.57	ug/L		99
104)	1,2,3-Trimethylbenzene	7.374	105	450924	24.74	ug/L		99
105)	1,4-Dichlorobenzene	7.343	146	245172	24.14	ug/L		98
106)	n-Butylbenzene	7.563	92	201682	23.81	ug/L		98
107)	Benzyl Chloride	7.521	126	31265	16.13	ug/L	#	84
108)	1,2-Dichlorobenzene	7.651	146	220682	24.19	ug/L		98
109)	1,2-Dibromo-3-Chloropr...	8.206	75	34452	21.50	ug/L		95
110)	Hexachlorobutadiene	8.687	225	43406	26.47	ug/L		91
111)	1,2,4-Trichlorobenzene	8.681	180	115793	23.86	ug/L		99
112)	Naphthalene	8.885	128	477678	23.95	ug/L		100
113)	1,2,3-Trichlorobenzene	9.006	180	111109	24.40	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

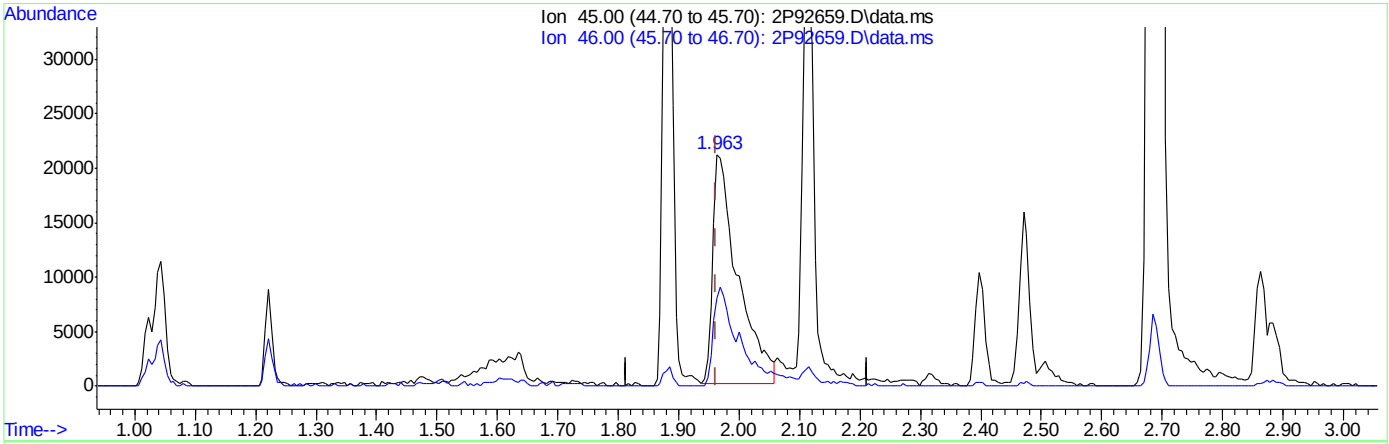
Sample Number: V2P3568-BS
Lab FileID: 2P92659.D
Injection Time: 09/06/22 12:04
Method: SW846 8260D
Analyst approved: 09/06/22 12:16 Courtney Failla
Supervisor approved: 09/07/22 12:11 Karen Watson

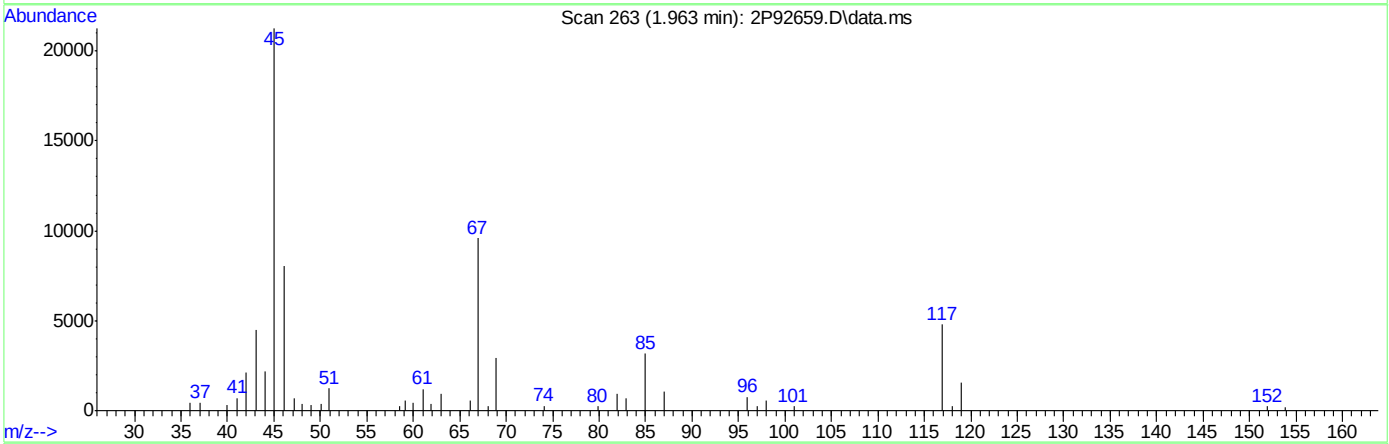
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.96	Poor instrument integration
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:07 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92659.D\data.ms

(10) Ethanol

1.963min (+0.000) 484.21ug/L

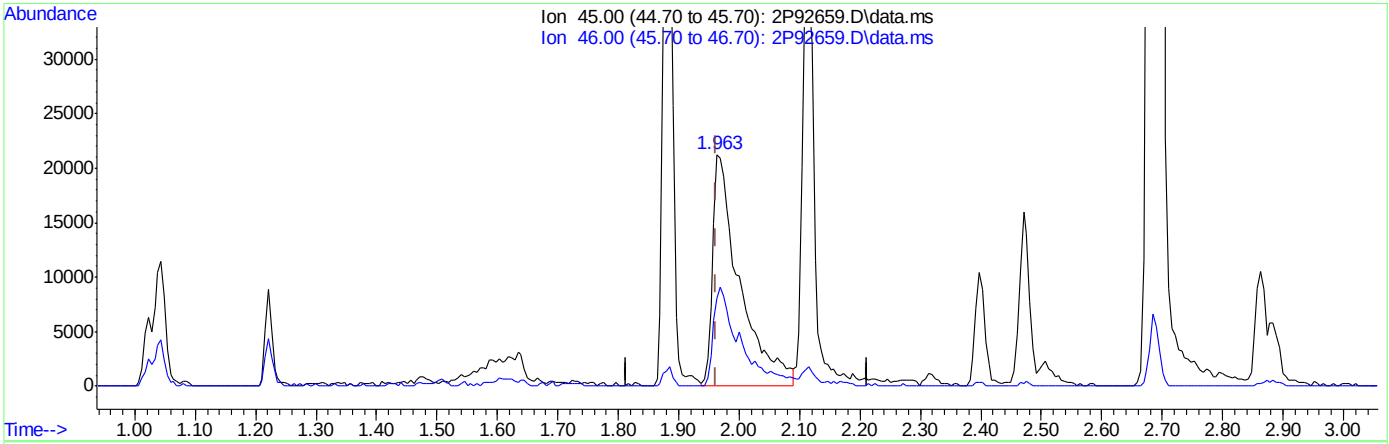
response 60428

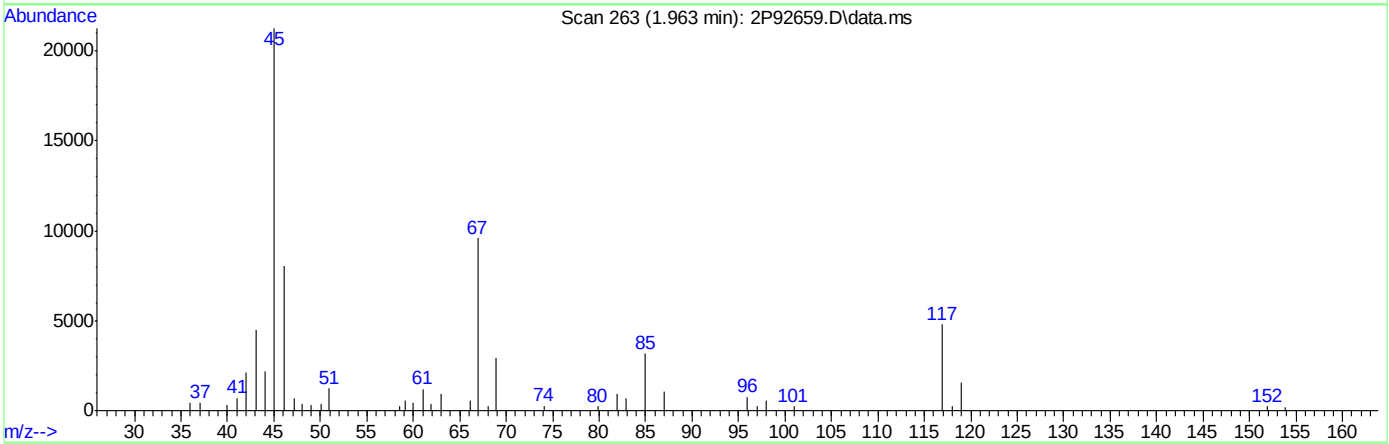
Ion	Exp%	Act%
45.00	100	100
46.00	42.70	38.38
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:07 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92659.D\data.ms

(10) Ethanol

1.963min (+0.000) 533.70ug/L m

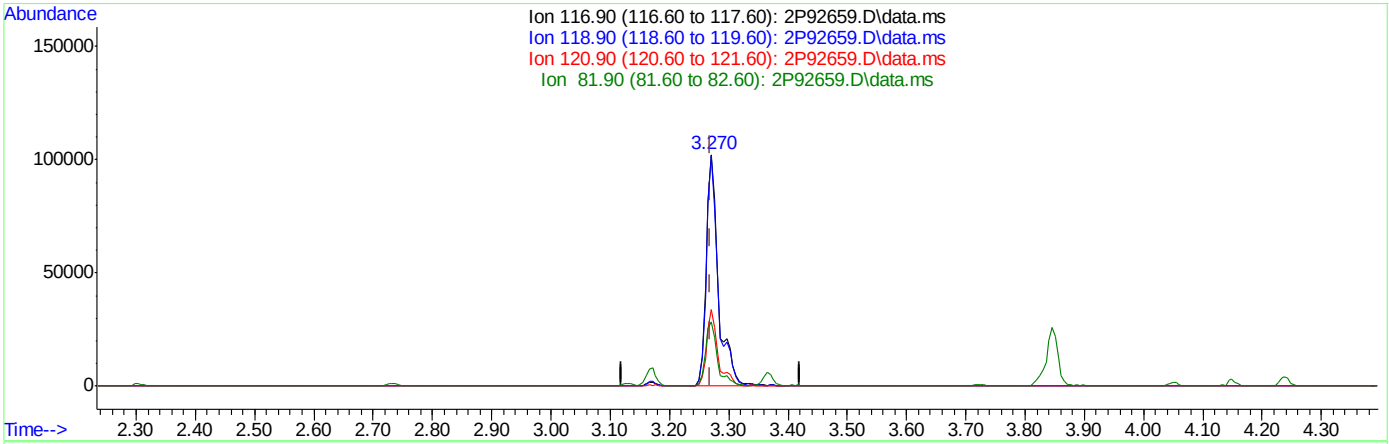
response 66132

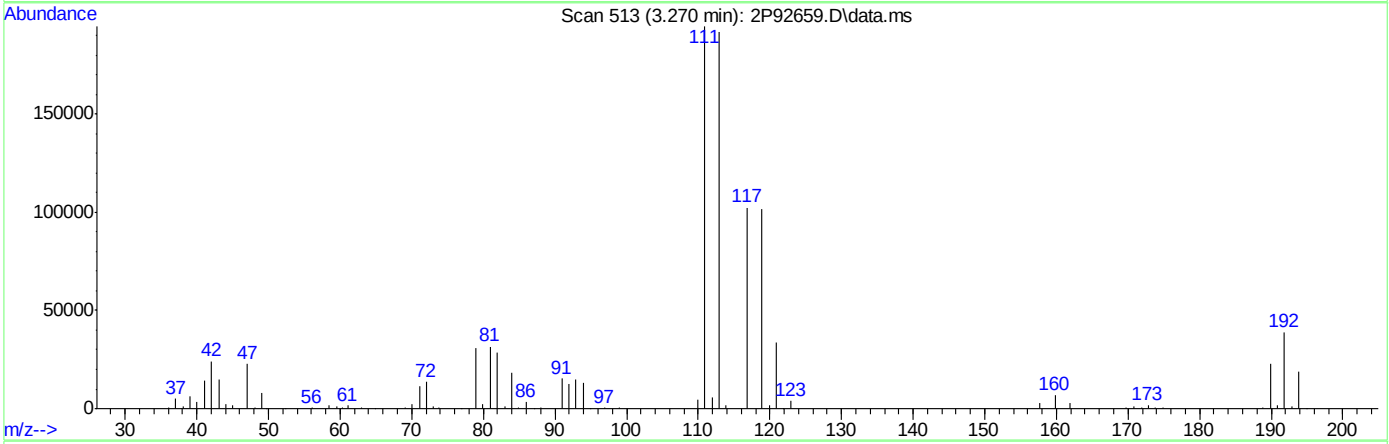
Ion	Exp%	Act%
45.00	100	100
46.00	42.70	37.87
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:07 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92659.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (+0.000) 31.61ug/L

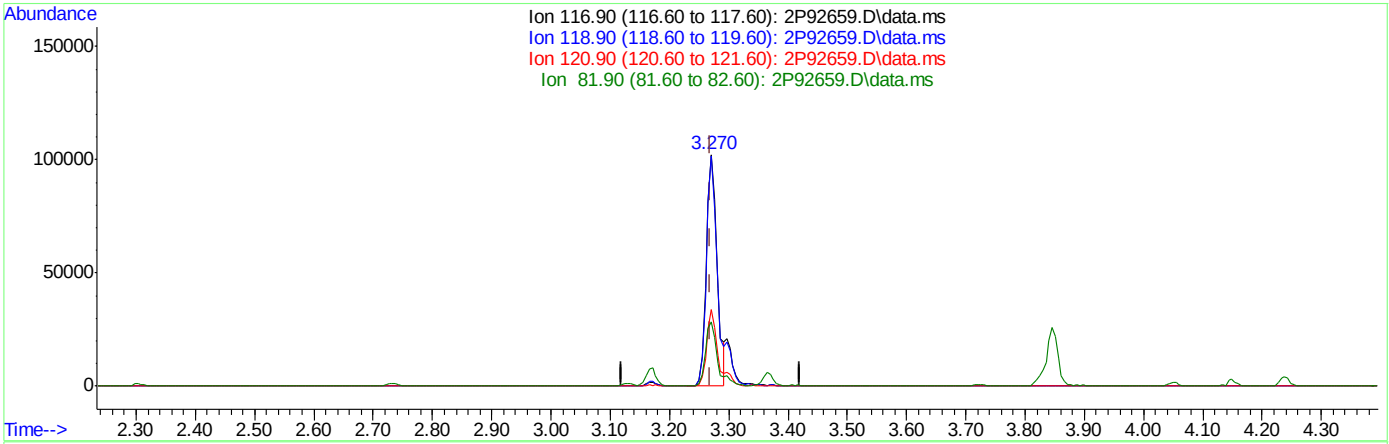
response 147773

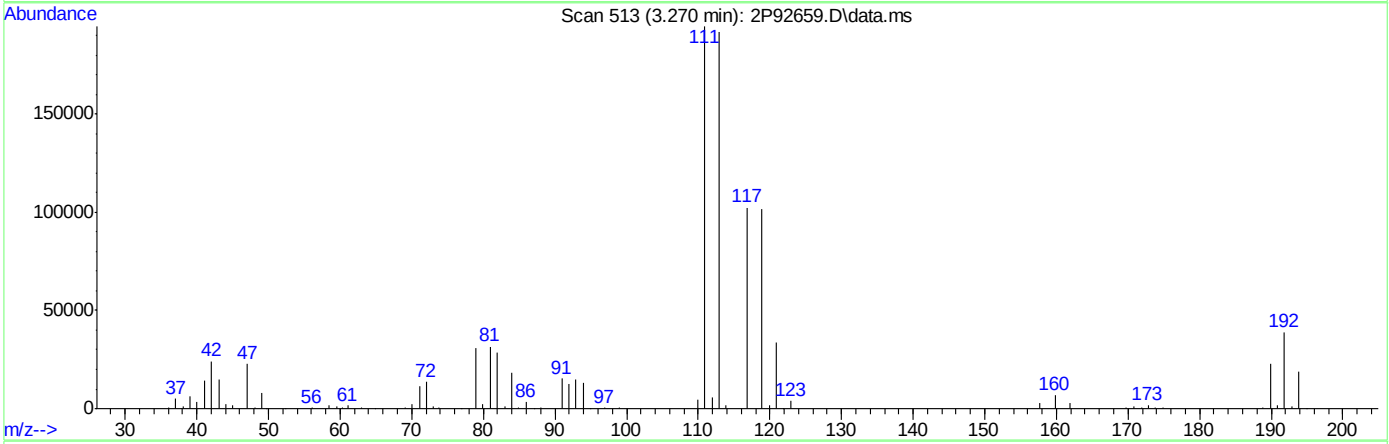
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.43
120.90	29.50	33.09
81.90	28.30	27.69

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:07 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92659.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (+0.000) 27.77ug/L m

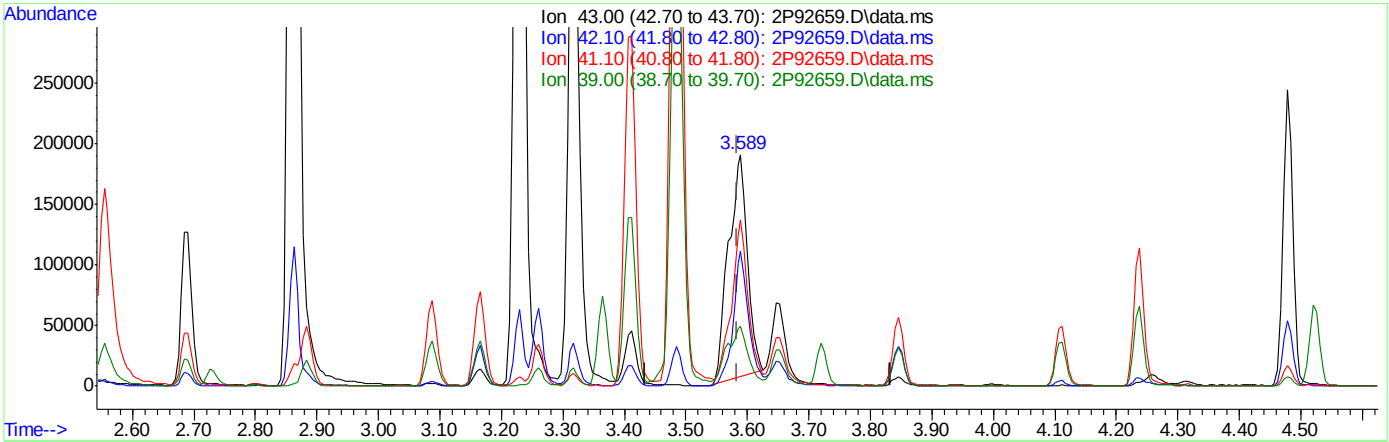
response 128207

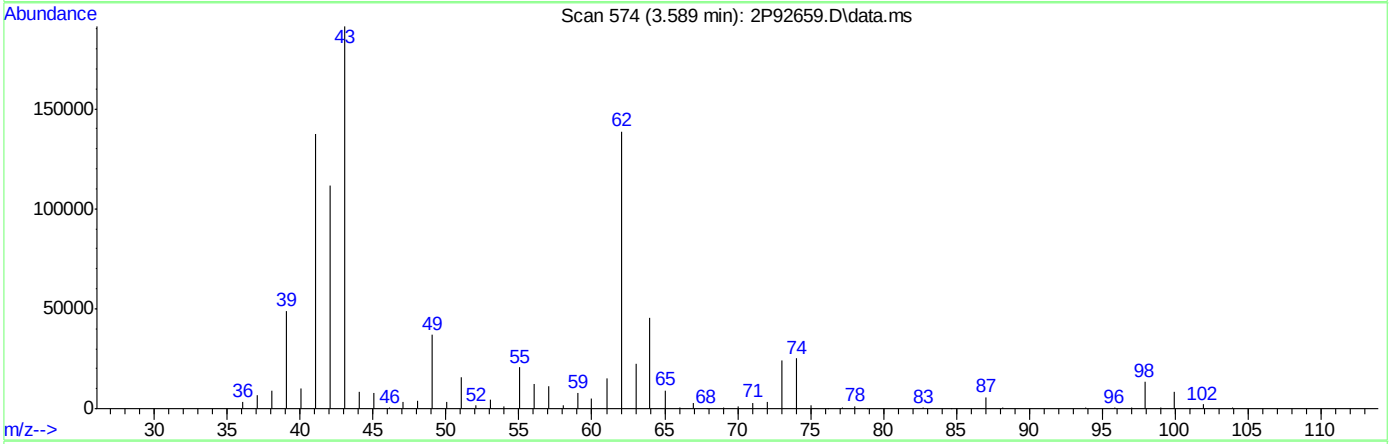
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.43
120.90	29.50	33.09
81.90	28.30	27.69

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:07 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92659.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 527.89ug/L

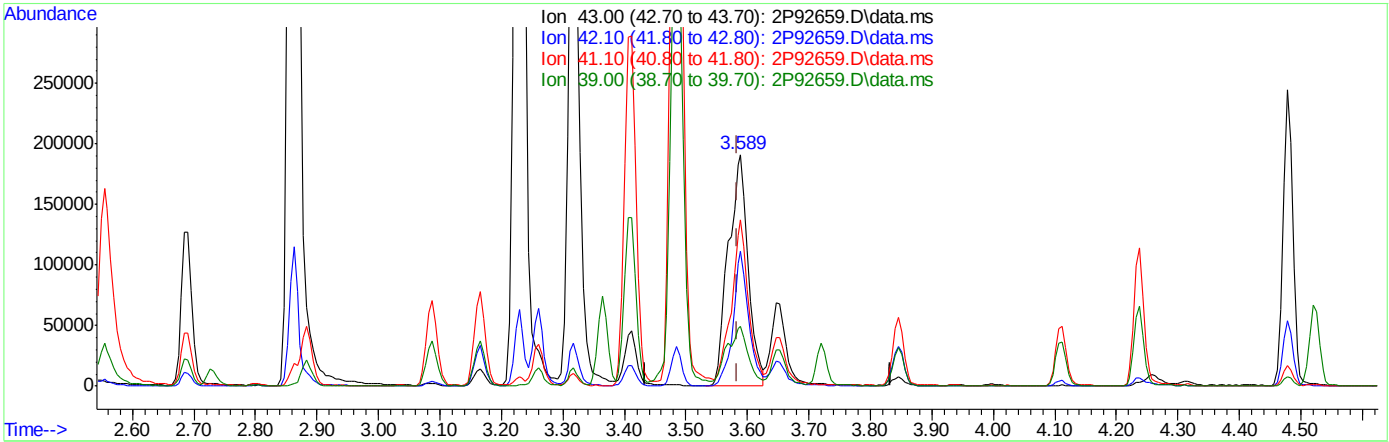
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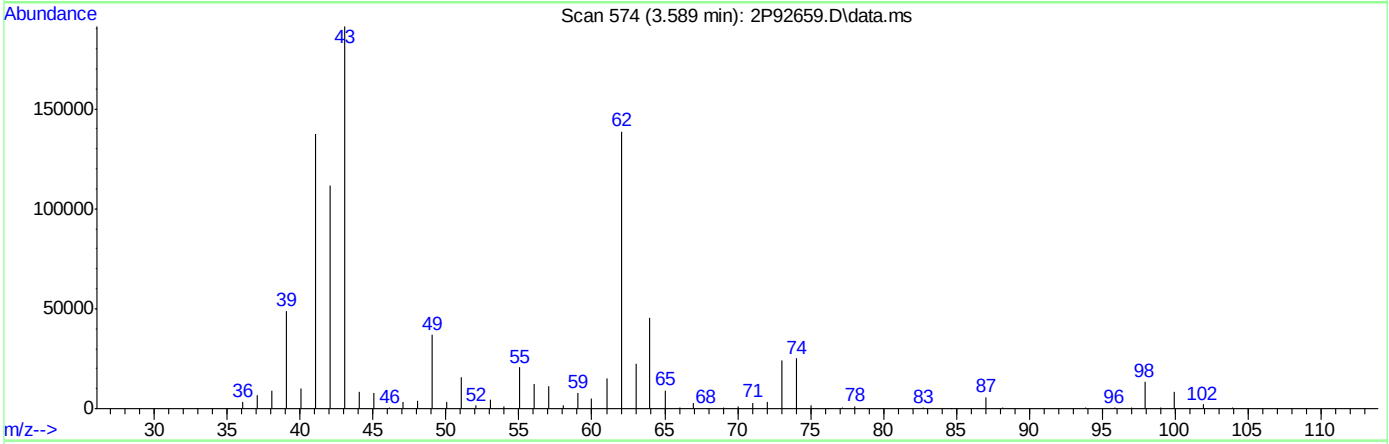
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	58.37
41.10	70.00	68.94
39.00	27.50	23.68

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:07 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92659.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 576.67ug/L m

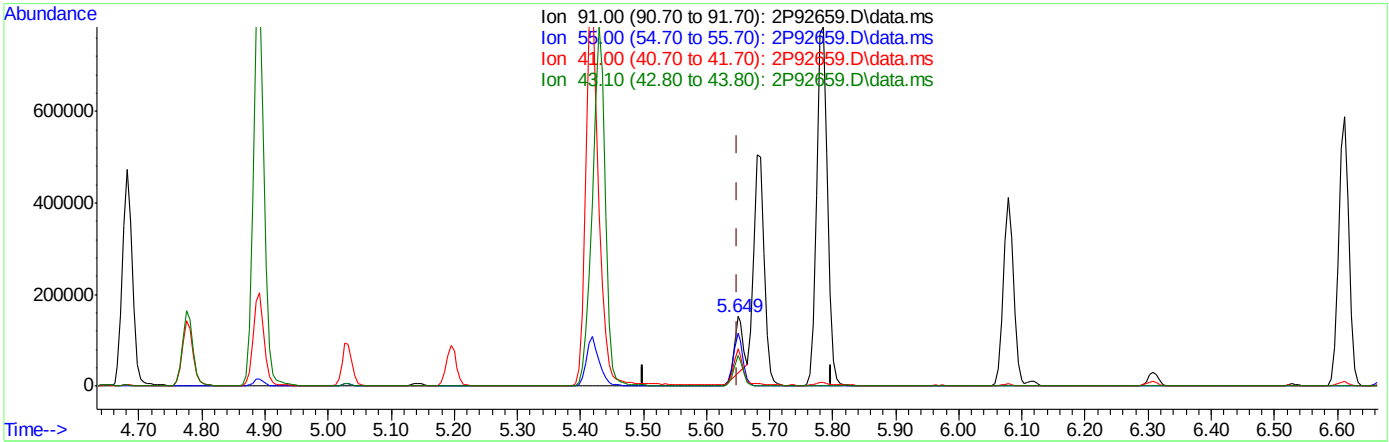
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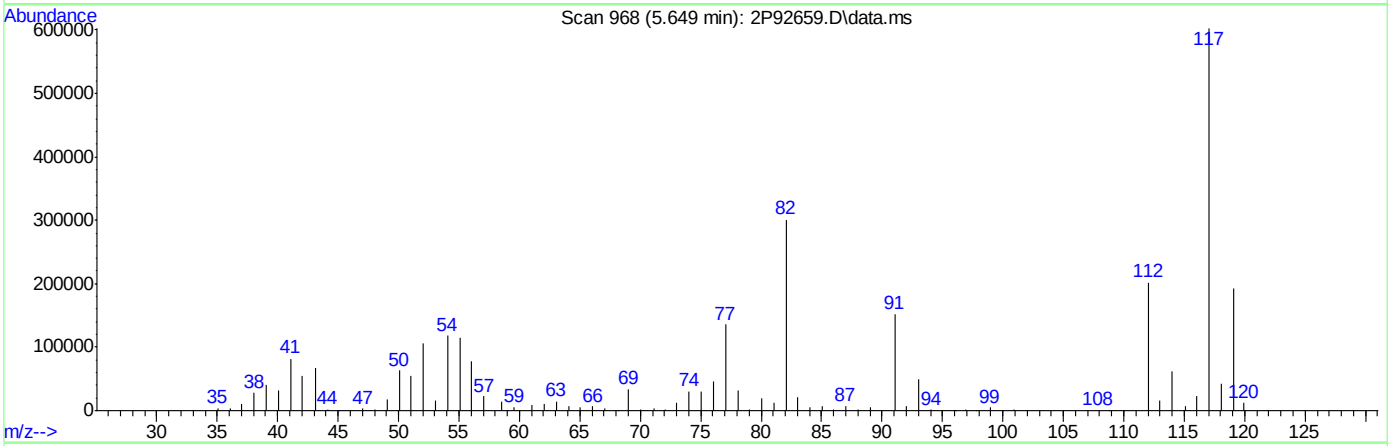
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	58.41
41.10	70.00	71.72
39.00	27.50	25.65

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:07 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92659.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 17.73ug/L

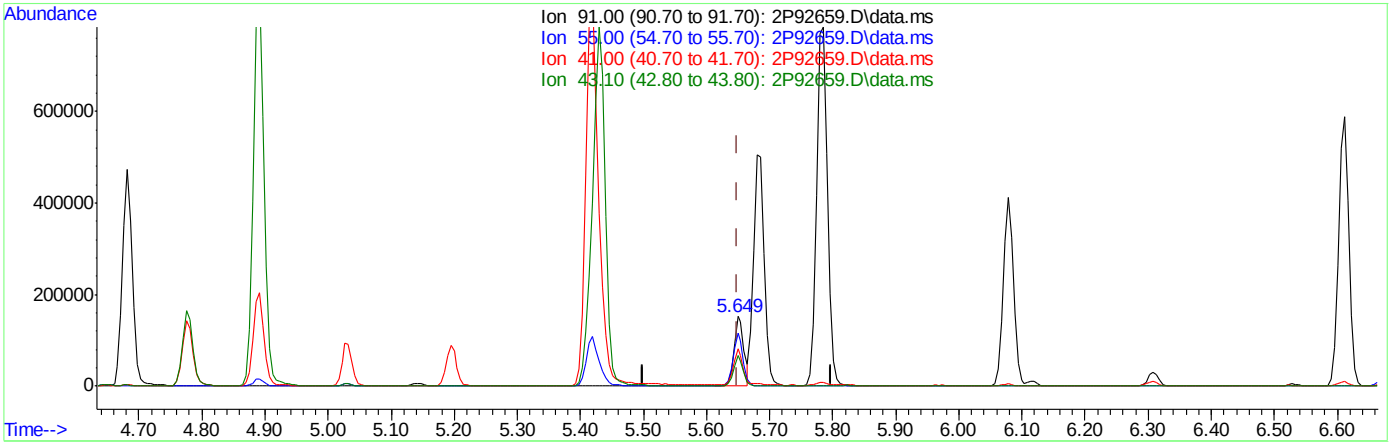
response 121050

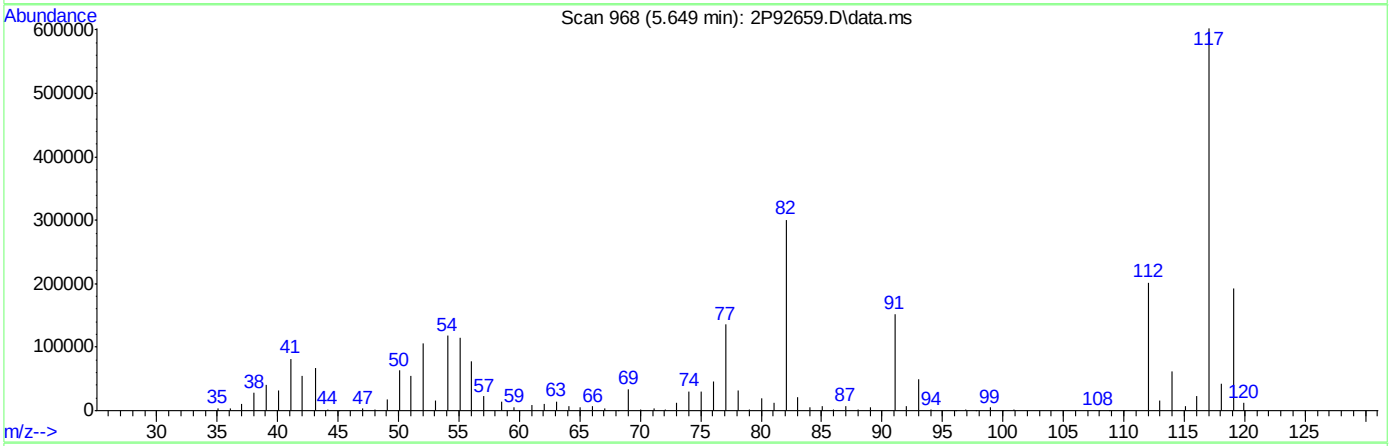
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	72.54
41.00	53.40	50.63
43.10	41.30	42.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:07 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92659.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 25.38ug/L m

response 173213

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	75.88
41.00	53.40	53.45
43.10	41.30	44.04

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/08/22 15:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-07-2022\
Data File : 5E33994.D
Acq On : 7 Sep 2022 9:47 am
Operator : courtnef
Sample : BS
Misc : MS52257,V5E1550,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 10:09:18 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.951	96	367181	50.00	ug/L	0.00
61) Chlorobenzene-d5	12.115	117	270451	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	134910	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.079	113	108212	51.36	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.72%			
49) 1,2-Dichloroethane-d4	8.665	65	108441	50.29	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.58%			
62) Toluene-d8	10.542	98	355682	50.74	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.48%			
86) 4-Bromofluorobenzene	13.328	95	122429	49.17	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.34%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	38188	24.40	ug/L	99
3) Chloromethane	3.214	50	47588	23.30	ug/L	100
4) Vinyl Chloride	3.367	62	51705	25.15	ug/L	98
5) 1,3-Butadiene	3.403	39	67705	33.47	ug/L	99
6) Bromomethane	3.940	94	19526	31.36	ug/L	100
7) Chloroethane	4.153	64	28171	23.44	ug/L	97
8) Trichlorofluoromethane	4.385	101	62563	26.24	ug/L	100
9) Ethyl Ether	4.873	59	36191	22.29	ug/L	98
10) Ethanol	5.098	45	11608	371.90	ug/L	89
11) 1,2-Dichlorotrifluoroe...	5.153	67	54220	29.42	ug/L	98
12) 1,1-Dichloroethene	5.159	61	77016	27.33	ug/L	98
13) Freon 113	5.220	101	43717	28.83	ug/L	100
14) Carbon Disulfide	5.208	76	108474	21.83	ug/L	98
15) Iodomethane	5.367	142	23648	24.75	ug/L	97
16) Acrolein	5.635	56	42788	92.75	ug/L	100
17) Allyl chloride	5.818	41	61303	27.79	ug/L	99
18) Methylene Chloride	5.958	49	69673	24.93	ug/L	98
19) Acetone	6.019	43	70074	100.27	ug/L	98
20) Methyl acetate	6.177	43	173634	103.77	ug/L	99
21) trans-1,2-Dichloroethene	6.171	61	68642	24.99	ug/L	98
22) Hexane	6.269	56	38722m	29.86	ug/L	
23) Methyl Tert Butyl Ether	6.293	73	113945	26.99	ug/L	94
24) Acetonitrile	6.616	41	53639	197.77	ug/L	99
25) Di-isopropyl ether	6.756	45	137893	23.74	ug/L	98
26) Chloroprene	6.915	53	72612	131.10	ug/L	96
27) 1,1-Dichloroethane	6.939	63	87814	26.07	ug/L	98
28) Acrylonitrile	7.000	53	89051	97.85	ug/L	98
29) ETBE	7.195	59	132801	22.85	ug/L	98
30) Tert Butyl Alcohol	6.397	59	59087	185.34	ug/L	98
31) Vinyl acetate	7.214	43	447553	111.12	ug/L	100
32) cis-1,2-Dichloroethene	7.579	96	45057	25.18	ug/L	95
33) 2,2-Dichloropropane	7.707	77	54005	24.30	ug/L	98
34) Bromochloromethane	7.811	128	22784	24.19	ug/L	96
35) Cyclohexane	7.823	56	88819	27.39	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-07-2022\
Data File : 5E33994.D
Acq On : 7 Sep 2022 9:47 am
Operator : courtnef
Sample : BS
Misc : MS52257,V5E1550,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 10:09:18 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36)	Chloroform	7.878	83	70694	24.09	ug/L	98
37)	Ethyl acetate	7.982	43	238488	103.81	ug/L	99
38)	Tetrahydrofuran	8.073	42	15481	19.65	ug/L	100
40)	Carbon Tetrachloride	8.055	117	61599	26.86	ug/L	99
41)	1,1,1-Trichloroethane	8.128	97	64745	25.94	ug/L	97
42)	2-Butanone	8.207	43	114538	100.23	ug/L	99
43)	1,1-Dichloropropene	8.256	75	54708	25.48	ug/L	99
44)	tert-Butyl formate	8.354	59	112357	215.06	ug/L	97
45)	Propionitrile	8.537	54	76755	202.05	ug/L	90
46)	Methacrylonitrile	8.555	41	309645	216.23	ug/L	99
47)	Benzene	8.524	78	156921	24.06	ug/L	99
48)	TAME	8.610	73	132861	30.78	ug/L	95
50)	1,2-Dichloroethane	8.738	62	60315	23.52	ug/L	97
51)	tert Amyl alcohol	8.787	59	45968	183.39	ug/L	98
52)	Trichloroethene	9.134	95	44535	24.54	ug/L	98
53)	Methylcyclohexane	9.134	83	69696	28.81	ug/L	99
54)	Dibromomethane	9.579	93	26141	23.34	ug/L	99
55)	1,2-Dichloropropane	9.677	63	46039	23.21	ug/L	97
56)	Bromodichloromethane	9.725	83	52637	24.32	ug/L	97
57)	Methyl methacrylate	9.835	41	40184	22.31	ug/L	92
58)	1,4-Dioxane	9.920	88	10894	398.37	ug/L	99
59)	2-Chloroethyl vinyl ether	10.262	63	123753	103.76	ug/L	98
60)	cis-1,3-Dichloropropene	10.359	75	57577	23.76	ug/L	98
63)	Toluene	10.597	91	172544	24.08	ug/L	99
64)	Isobutyl alcohol	8.677	43	44319	381.10	ug/L	98
65)	2-Nitropropane	10.829	41	75459	106.82	ug/L	97
66)	4-Methyl-2-pentanone	10.939	43	247326	101.50	ug/L	99
67)	trans-1,3-Dichloropropene	11.000	75	51951	26.53	ug/L	98
68)	Tetrachloroethene	11.000	166	48098	26.41	ug/L	98
69)	Ethyl methacrylate	11.103	69	47504	21.35	ug/L	98
70)	1,1,2-Trichloroethane	11.164	83	31173	23.34	ug/L	96
71)	Dibromochloromethane	11.359	129	44589	23.08	ug/L	98
72)	1,3-Dichloropropane	11.451	76	56525	22.42	ug/L	97
73)	1,2-Dibromoethane	11.627	107	39798	23.74	ug/L	99
74)	3,3-Dimethyl-1-butanol	11.707	57	249317	827.27	ug/L	99
75)	2-hexanone	11.768	43	174317	98.77	ug/L	99
76)	1-Chlorohexane	12.060	91	55046	25.90	ug/L	98
77)	Ethylbenzene	12.121	91	185326	23.72	ug/L	97
78)	Chlorobenzene	12.133	112	111557	24.18	ug/L	99
79)	1,1,1,2-Tetrachloroethane	12.182	131	41377	24.29	ug/L	98
80)	m,p-Xylene	12.262	91	284257	47.84	ug/L	98
81)	o-Xylene	12.707	91	143553	24.27	ug/L	98
82)	Styrene	12.755	104	110195	24.37	ug/L	97
83)	Bromoform	12.816	173	29764	24.43	ug/L	97
84)	Isopropylbenzene	13.005	105	180267	25.22	ug/L	97
87)	cis-1,4-Dichloro-2-butene	13.682	53	13345	18.92	ug/L	93
88)	n-Propylbenzene	13.426	91	210027	24.46	ug/L	100
89)	Bromobenzene	13.456	156	44358	23.10	ug/L	99
90)	1,1,2,2-Tetrachloroethane	13.499	83	53674	21.72	ug/L	99
91)	1,3,5-Trimethylbenzene	13.609	105	145209	23.74	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-07-2022\
Data File : 5E33994.D
Acq On : 7 Sep 2022 9:47 am
Operator : courtnef
Sample : BS
Misc : MS52257,V5E1550,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 10:09:18 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

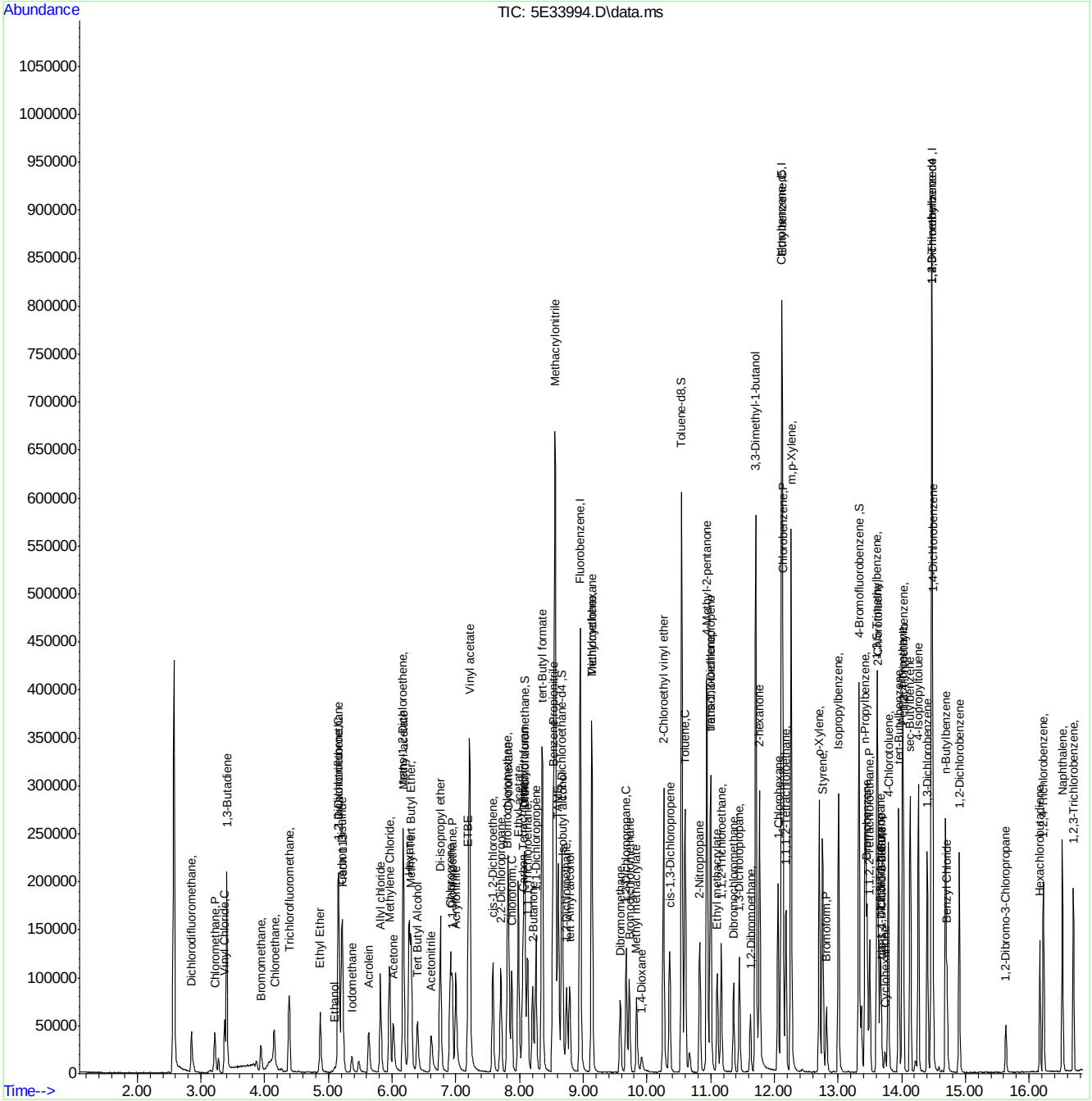
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92)	2-Chlorotoluene	13.621	91	132073	23.07	ug/L	98
93)	trans-1,4-Dichloro-2-B...	13.682	53	13345	18.92	ug/L	93
94)	1,2,3-Trichloropropane	13.664	110	14272	20.73	ug/L	94
95)	Cyclohexanone	13.737	55	10966	85.62	ug/L	96
96)	4-Chlorotoluene	13.792	91	120867	23.14	ug/L	99
98)	tert-Butylbenzene	13.950	91	79837	24.06	ug/L	99
99)	1,2,4-Trimethylbenzene	14.023	105	144053	24.26	ug/L	100
100)	Pentachloroethane	14.011	167	24899	24.28	ug/L	93
101)	sec-Butylbenzene	14.133	105	181266	26.42	ug/L	100
102)	4-Isopropyltoluene	14.261	119	153136	25.60	ug/L	98
103)	1,3-Dichlorobenzene	14.401	146	83628	24.47	ug/L	99
104)	1,2,3-Trimethylbenzene	14.474	105	148154	24.50	ug/L	98
105)	1,4-Dichlorobenzene	14.487	146	87209	24.51	ug/L	98
106)	n-Butylbenzene	14.688	92	73259	23.41	ug/L	98
107)	Benzyl Chloride	14.712	126	14230	17.36	ug/L	96
108)	1,2-Dichlorobenzene	14.901	146	80485	24.14	ug/L	99
109)	1,2-Dibromo-3-Chloropr...	15.633	75	8418	19.82	ug/L	98
110)	Hexachlorobutadiene	16.169	225	18282	26.29	ug/L	97
111)	1,2,4-Trichlorobenzene	16.224	180	50930	24.31	ug/L	96
112)	Naphthalene	16.523	128	161292	22.10	ug/L	99
113)	1,2,3-Trichlorobenzene	16.694	180	48292	23.80	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-07-2022\
Data File : 5E33994.D
Acq On : 7 Sep 2022 9:47 am
Operator : courtnef
Sample : BS
Misc : MS52257,V5E1550,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 10:09:18 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration



Manual Integration Approval Summary

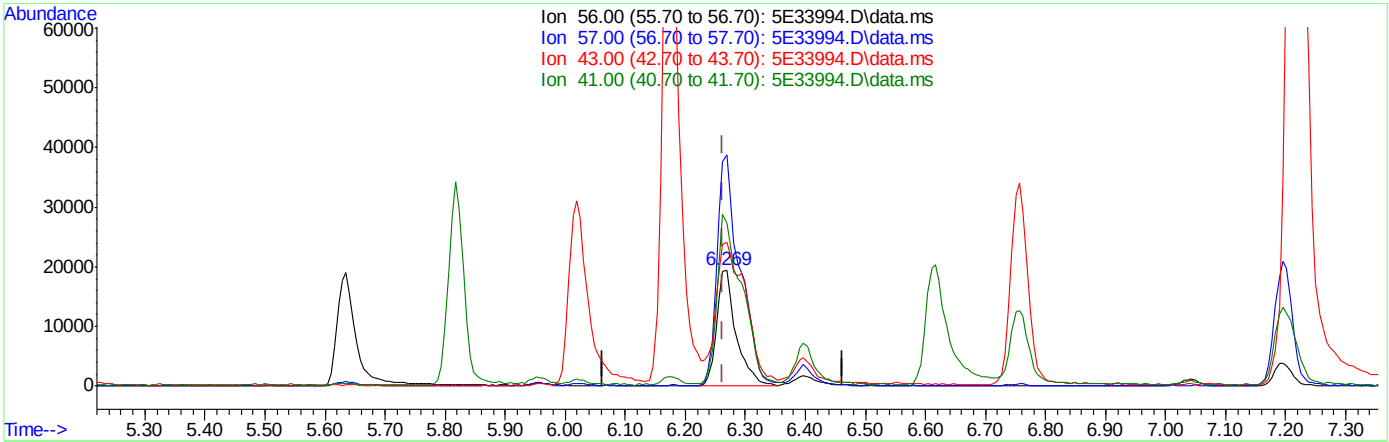
Sample Number:	V5E1550-BS	**Method:**	SW846 8260D
Lab FileID:	5E33994.D	**Analyst approved:**	09/07/22 10:09 Courtney Failla
Injection Time:	09/07/22 09:47	**Supervisor approved:**	09/08/22 15:01 Karen Watson

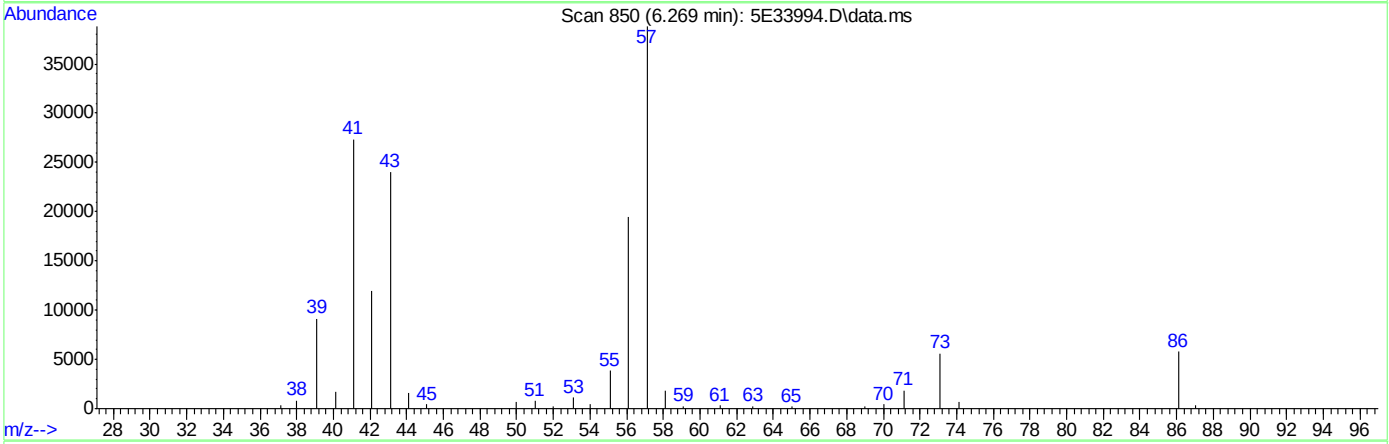
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.27	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-07-2022\
Data File : 5E33994.D
Acq On : 7 Sep 2022 9:47 am
Operator : courtnef
Sample : BS
Misc : MS52257,V5E1550,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 10:07:34 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration





TIC: 5E33994.D\data.ms

(22) Hexane

6.269min (+0.006) 34.03ug/L

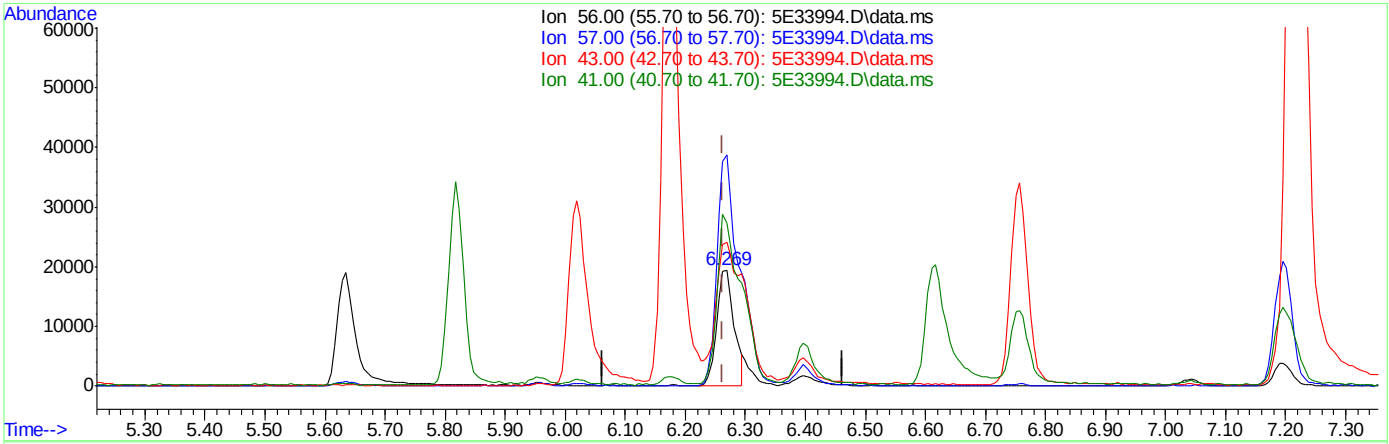
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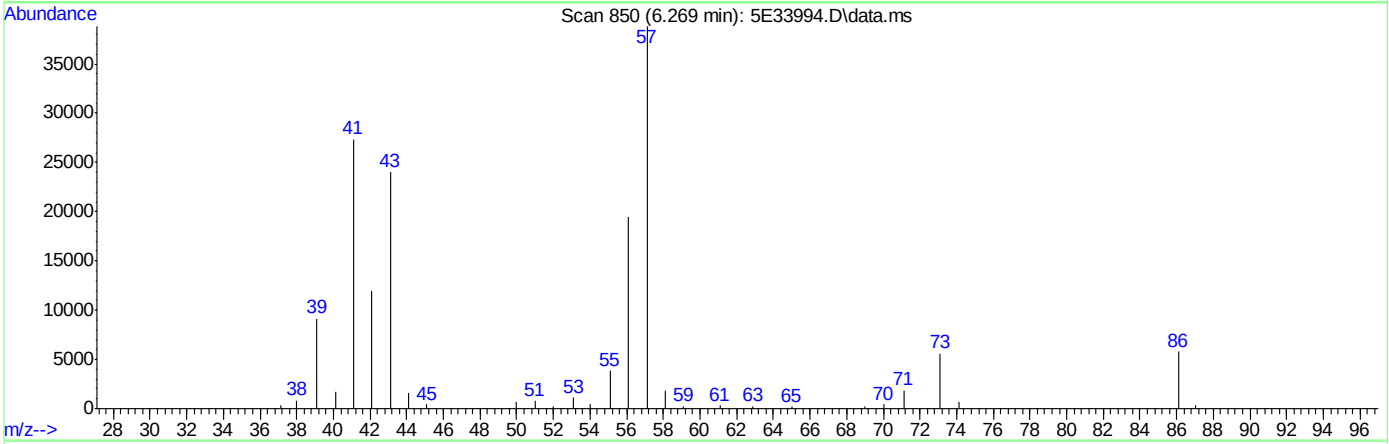
Ion	Exp%	Act%
56.00	100	100
57.00	195.00	199.34
43.00	127.80	118.03
41.00	142.30	137.98

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-07-2022\
Data File : 5E33994.D
Acq On : 7 Sep 2022 9:47 am
Operator : courtnef
Sample : BS
Misc : MS52257,V5E1550,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 10:07:34 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration





TIC: 5E33994.D\data.ms

(22) Hexane

6.269min (+0.006) 29.86ug/L m

response 38722

Ion	Exp%	Act%
56.00	100	100
57.00	195.00	199.34
43.00	127.80	123.58
41.00	142.30	140.43

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 16:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:54:58 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1199627	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	880369	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	414445	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.265	113	250344	49.10	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.20%		
49) 1,2-Dichloroethane-d4	3.553	65	352773	49.81	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	99.62%		
63) Toluene-d8	4.651	98	1171481	48.36	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	96.72%		
86) 4-Bromofluorobenzene	6.496	174	317539	49.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.24%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.122	85	119983	36.23	ug/L	100
3) Chloromethane	1.253	50	123490	33.75	ug/L	95
4) 1,3-butadiene	1.321	39	102889	30.26	ug/L	97
5) Vinyl Chloride	1.305	62	337205	75.62	ug/L	99
6) Bromomethane	1.509	94	61622	22.33	ug/L	98
7) Chloroethane	1.582	64	42800	29.36	ug/L	97
8) Trichlorofluoromethane	1.671	101	163632	35.27	ug/L	100
9) Ethyl Ether	1.880	59	100570	24.10	ug/L	96
10) Ethanol	1.969	45	68561	551.55	ug/L	99
11) 1,2-Dichlorotrifluoroe...	1.979	67	119263	30.55	ug/L	99
12) 1,1-Dichloroethene	1.985	61	154926	27.17	ug/L	99
13) Freon 113	2.016	101	94483	26.63	ug/L	98
14) Carbon Disulfide	2.000	76	182313	20.10	ug/L	92
15) Iodomethane	2.063	142	40238	17.54	ug/L	98
16) Acrolein	2.157	56	152736	100.06	ug/L	99
17) Allyl chloride	2.246	41	123967	30.22	ug/L	92
18) Methylene Chloride	2.303	49	134223	21.50	ug/L	99
19) Acetone	2.319	43	383310	139.07	ug/L	98
20) Methyl acetate	2.398	43	716767	128.41	ug/L	96
21) trans-1,2-Dichloroethene	2.403	61	151007	26.14	ug/L	98
22) Hexane	2.471	56	82737	29.54	ug/L	97
23) Methyl Tert Butyl Ether	2.471	73	381943	29.01	ug/L	95
24) Tert Butyl Alcohol	2.507	59	509981	313.18	ug/L	97
25) Acetonitrile	2.554	41	220197	238.39	ug/L	96
26) Di-isopropyl ether	2.685	45	336329	27.51	ug/L	95
27) Chloroprene	2.727	53	608054	34.92	ug/L	93
28) 1,1-Dichloroethane	2.732	63	212117	27.92	ug/L	99
29) Acrylonitrile	2.727	52	406552	147.66	ug/L	82
30) ETBE	2.884	59	340181	23.75	ug/L	99
31) Vinyl acetate	2.863	43	1236731	125.54	ug/L	99
32) cis-1,2-Dichloroethene	3.025	96	117817	26.00	ug/L	97
33) 2,2-Dichloropropane	3.088	77	116522	20.39	ug/L	98
34) Bromochloromethane	3.129	128	49606	24.22	ug/L	97
35) Cyclohexane	3.166	56	204514	29.04	ug/L	96
36) Chloroform	3.166	83	194694	25.54	ug/L	98
37) Ethyl acetate	3.229	43	950436	127.55	ug/L	99
38) Tetrahydrofuran	3.260	42	76543	26.90	ug/L	97
40) Carbon Tetrachloride	3.271	117	112407m	24.48	ug/L	
41) 1,1,1-Trichloroethane	3.297	97	166846	25.79	ug/L	97
42) 2-Butanone	3.318	43	646550	139.16	ug/L	98
43) 1,1-Dichloropropene	3.365	75	149357	26.11	ug/L	99
44) tert-Butyl formate	3.401	59	6991	2.48	ug/L #	48

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:54:58 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.459	54	390178	266.06	ug/L		98
46) Methacrylonitrile	3.485	41	1077397	275.02	ug/L		99
47) Benzene	3.495	78	475526	26.04	ug/L		91
48) TAME	3.569	73	417341	32.05	ug/L		95
50) Isobutyl alcohol	3.584	43	430552m	573.89	ug/L		
51) 1,2-Dichloroethane	3.590	62	162442	24.85	ug/L		98
52) Tert Amyl Alcohol	3.647	59	307250	225.02	ug/L		90
53) Trichloroethene	3.825	95	113656	24.18	ug/L		95
54) Methylcyclohexane	3.846	83	175790	28.49	ug/L		96
55) Dibromomethane	4.050	93	61548	23.84	ug/L		97
56) 1,2-Dichloropropane	4.107	63	111761	25.20	ug/L		96
57) Bromodichloromethane	4.149	83	112795	24.12	ug/L		98
58) Methyl methacrylate	4.238	41	122981	25.11	ug/L		97
59) 1,4-Dioxane	4.259	88	71541	513.23	ug/L		97
61) cis-1,3-Dichloropropene	4.520	75	135182	22.33	ug/L		93
64) Toluene	4.682	91	876617	42.18	ug/L		99
65) 2-Nitropropane	4.776	41	154087	100.30	ug/L		95
66) 4-Methyl-2-pentanone	4.891	43	1036048	129.21	ug/L		99
67) trans-1,3-Dichloropropene	4.917	75	138161	23.57	ug/L		81
68) Tetrachloroethene	4.938	166	104039	23.57	ug/L		98
69) Ethyl methacrylate	5.032	69	167139	23.13	ug/L		98
70) 1,1,2-Trichloroethane	5.022	83	85346	24.00	ug/L		99
71) Dibromochloromethane	5.142	129	77849	21.88	ug/L		100
72) 1,3-Dichloropropane	5.195	76	175308	22.18	ug/L		97
73) 1,2-Dibromoethane	5.294	107	100973	23.50	ug/L		90
74) 3,3-dimethyl-1-butanol	5.419	57	2166445	1213.47	ug/L		97
75) 2-hexanone	5.430	43	1183542	131.47	ug/L		87
76) 1-Chlorohexane	5.649	91	162580m	24.53	ug/L		
77) Ethylbenzene	5.686	91	966903	42.42	ug/L		99
78) Chlorobenzene	5.655	112	297994	23.94	ug/L		98
79) 1,1,1,2-Tetrachloroethane	5.696	131	88942	23.21	ug/L		97
80) m,p-Xylene	5.785	91	1816399	100.76	ug/L		99
81) o-Xylene	6.078	91	878139	49.49	ug/L		98
82) Styrene	6.109	104	312840	23.05	ug/L		99
83) Bromoform	6.120	173	40109	21.19	ug/L		98
84) Isopropylbenzene	6.308	105	521632	25.48	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.528	53	41867	18.74	ug/L		89
88) n-Propylbenzene	6.611	91	622812	24.49	ug/L		98
89) Bromobenzene	6.569	156	114594	22.29	ug/L		97
90) 1,1,2,2-Tetrachloroethane	6.632	83	160612	23.41	ug/L		99
91) 1,3,5-Trimethylbenzene	6.758	105	441292	24.93	ug/L		99
92) 2-Chlorotoluene	6.716	91	364550	23.76	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.758	53	51044	17.36	ug/L		82
94) 1,2,3-Trichloropropane	6.726	110	56076	21.92	ug/L		94
95) Cyclohexanone	6.742	55	63588	118.70	ug/L		96
96) 4-Chlorotoluene	6.836	91	370428	22.90	ug/L		99
97) tert-Butylbenzene	6.993	91	224554	23.10	ug/L		99
99) 1,2,4-Trimethylbenzene	7.045	105	580860	33.64	ug/L		99
100) Pentachloroethane	6.998	167	50195	23.94	ug/L		93
101) sec-Butylbenzene	7.134	105	461833	24.53	ug/L		100
102) 4-Isopropyltoluene	7.244	119	406488	24.76	ug/L		99
103) 1,3-Dichlorobenzene	7.280	146	213915	23.16	ug/L		98
104) 1,2,3-Trimethylbenzene	7.375	105	534601	30.86	ug/L		100
105) 1,4-Dichlorobenzene	7.343	146	215564	22.34	ug/L		99
106) n-Butylbenzene	7.563	92	169954	21.25	ug/L		96
107) Benzyl Chloride	7.521	126	17525	10.01	ug/L	#	79
108) 1,2-Dichlorobenzene	7.652	146	194866	22.48	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	8.206	75	31016	20.46	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:54:58 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

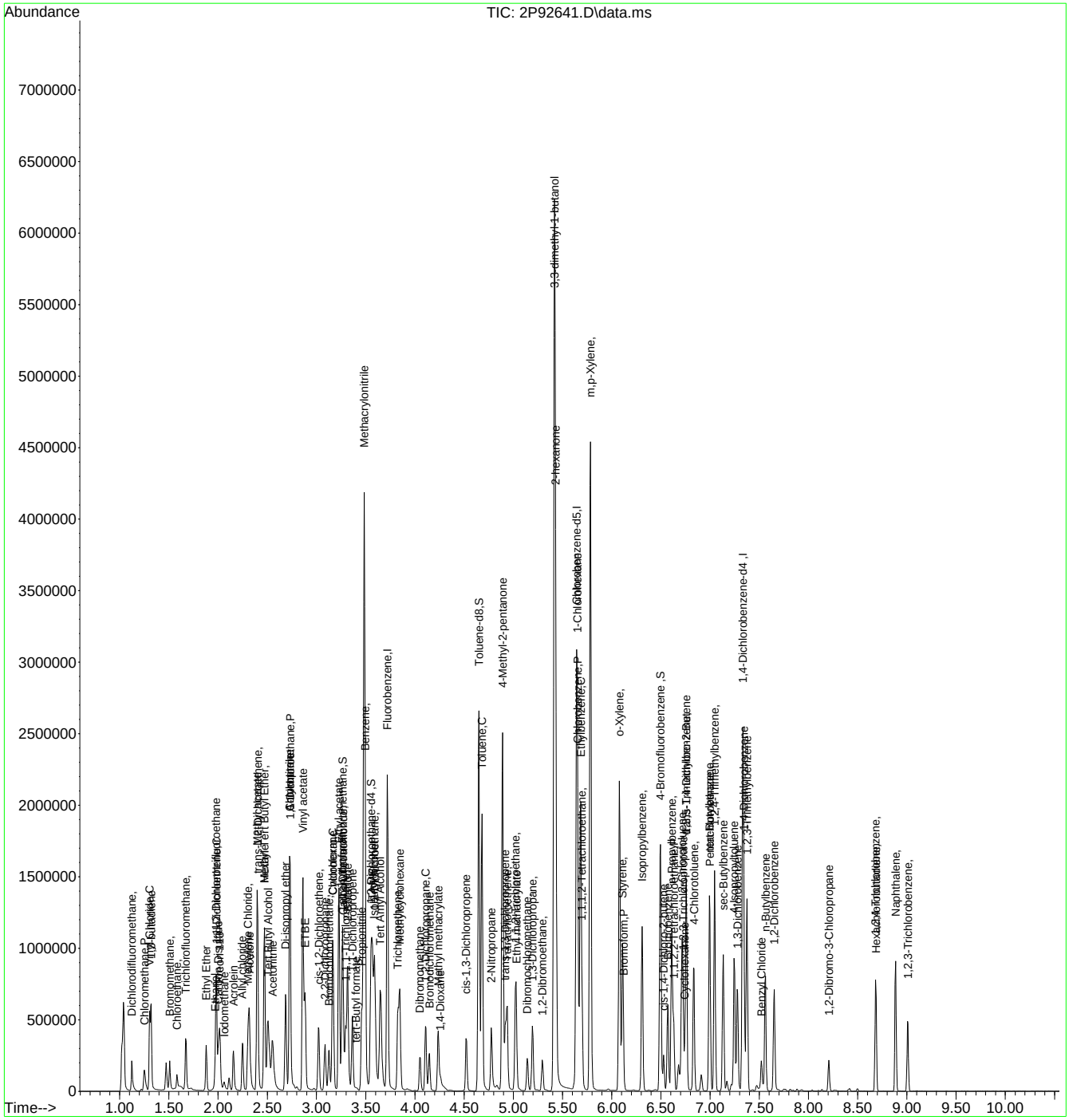
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) Hexachlorobutadiene	8.687	225	30910	20.18	ug/L	95
111) 1,2,4-Trichlorobenzene	8.682	180	94368	20.46	ug/L	97
112) Naphthalene	8.885	128	422468	22.37	ug/L	100
113) 1,2,3-Trichlorobenzene	9.011	180	90161	20.83	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

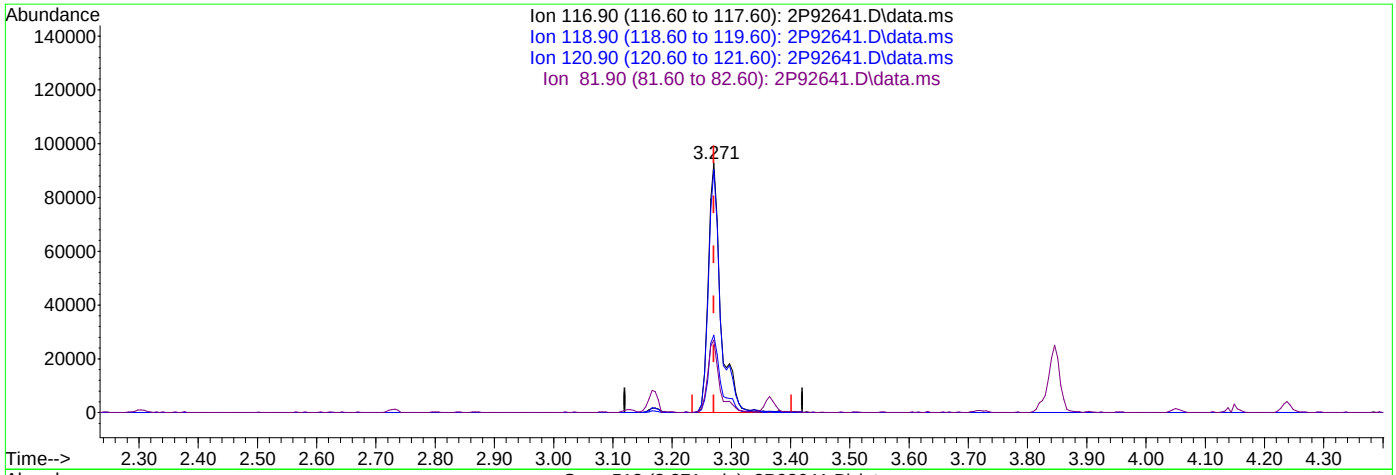
Sample Number: FA98474-2MS
Lab FileID: 2P92641.D
Injection Time: 09/01/22 23:46
Method: SW846 8260D
Analyst approved: 09/02/22 03:14 Antonette Clutario
Supervisor approved: 09/07/22 16:11 Karen Watson

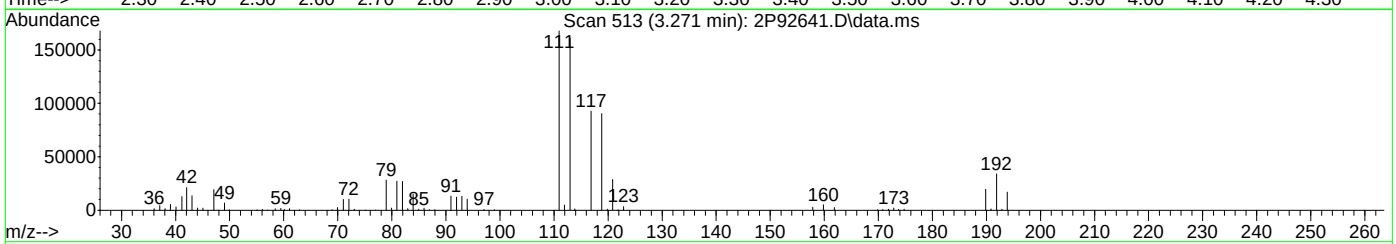
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

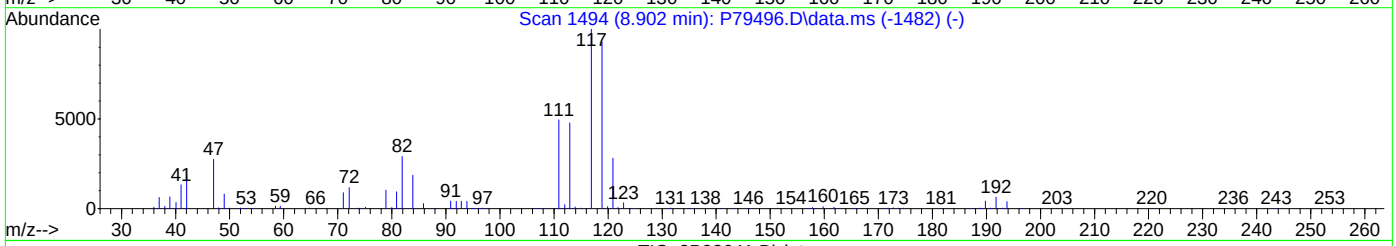
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:25:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92641.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (+0.001) 28.99ug/L

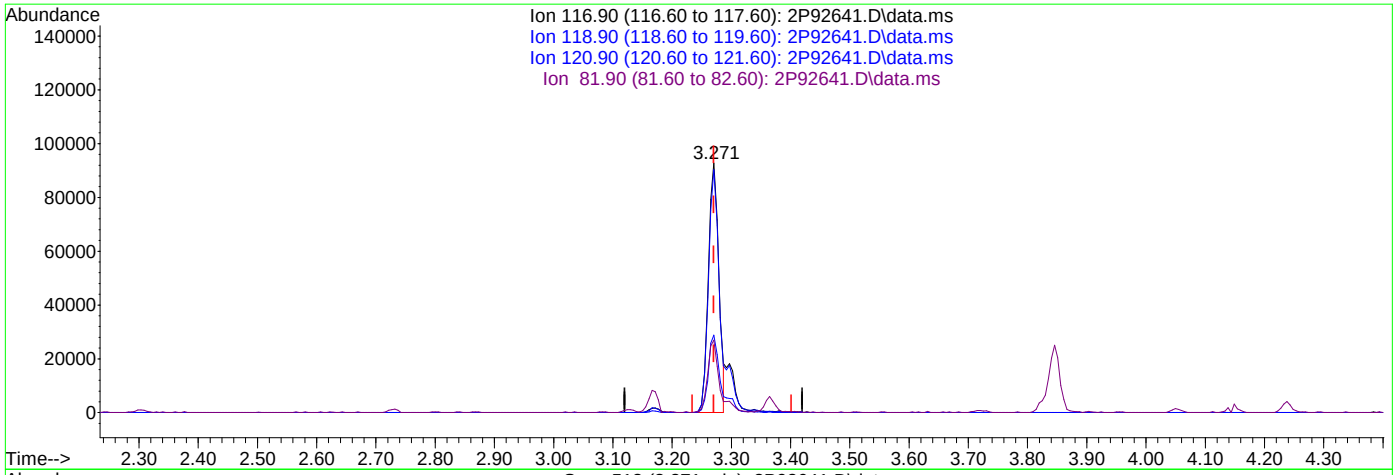
response 135164

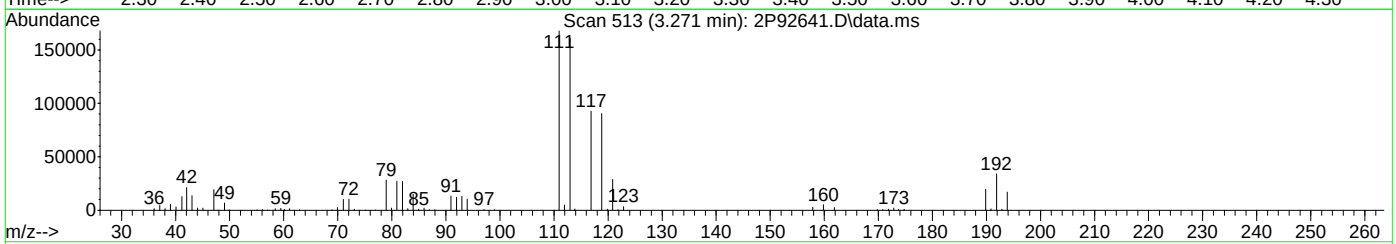
Ion	Exp%	Act%
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118.90	98.00	97.23
120.90	29.50	31.02
81.90	28.30	29.05

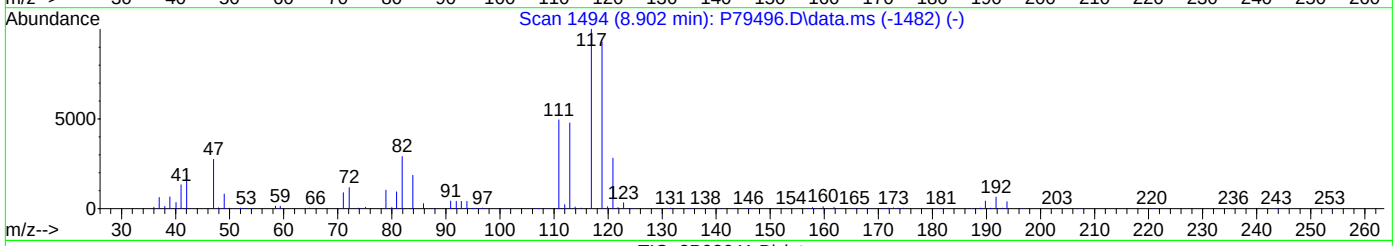
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:25:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92641.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (+0.001) 24.48ug/L m

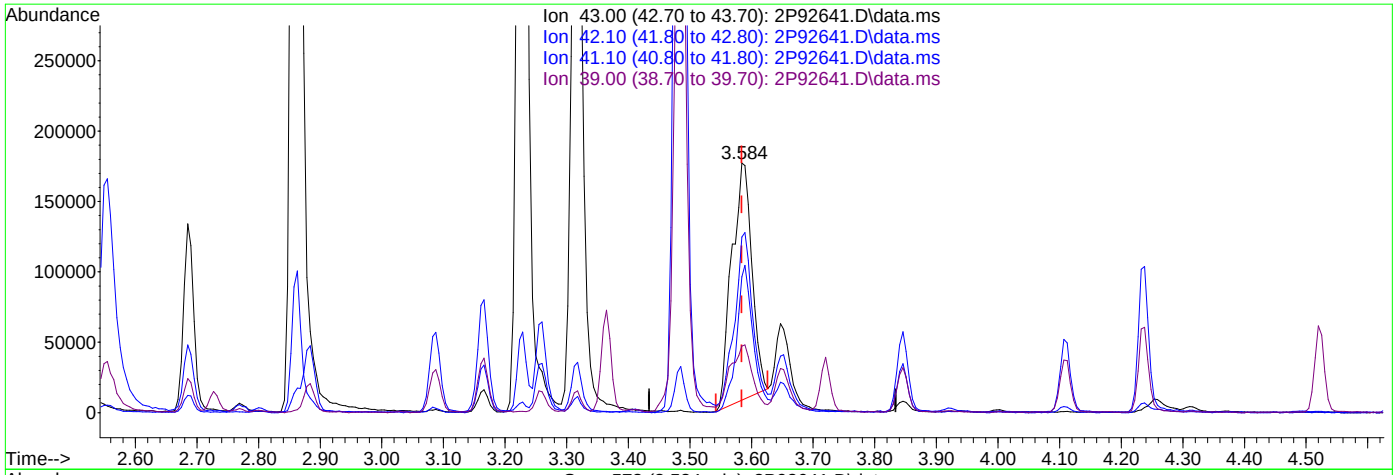
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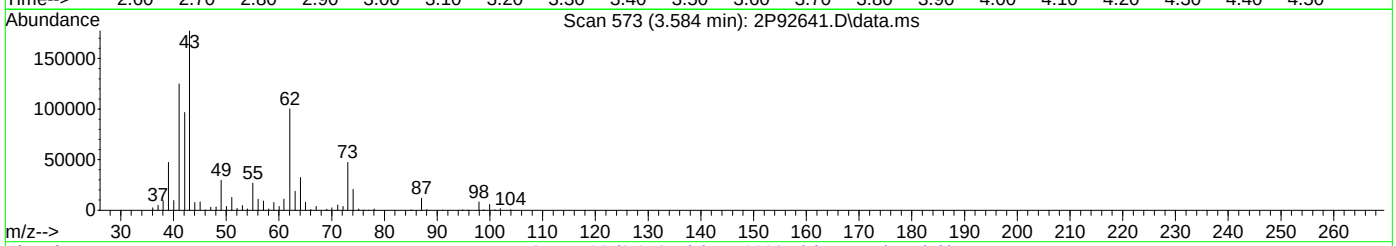
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	97.23
120.90	29.50	31.02
81.90	28.30	29.05

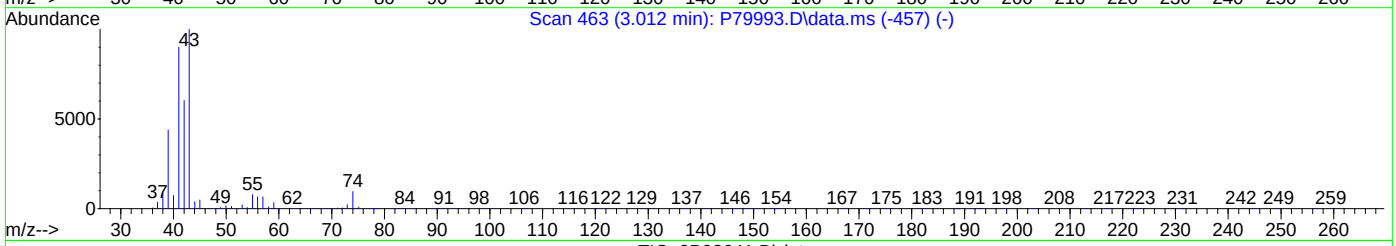
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:25:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92641.D\data.ms

(50) Isobutyl alcohol

3.584min (+0.000) 514.69ug/L

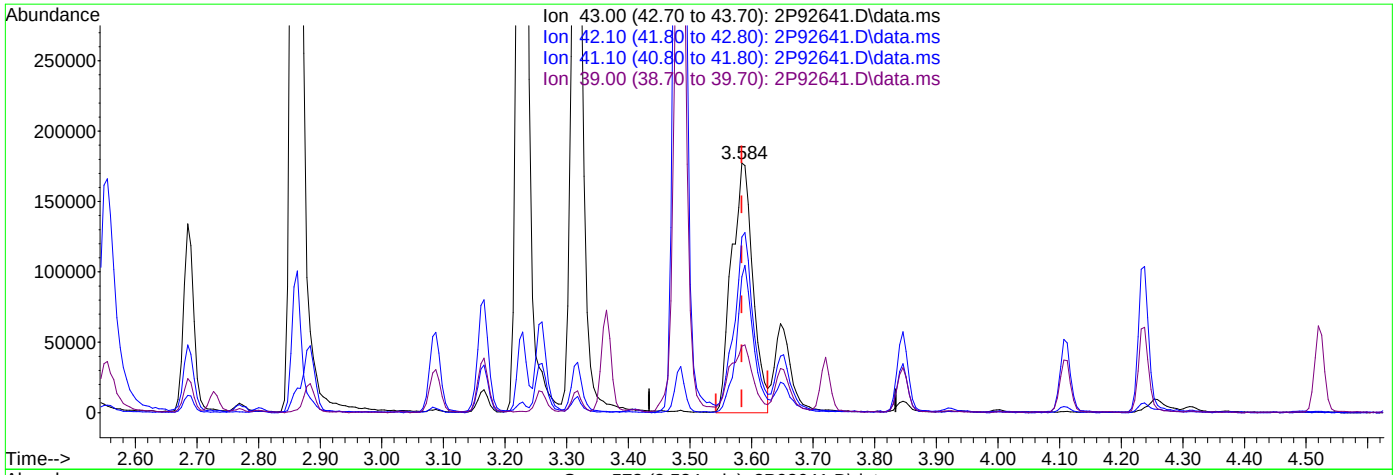
response 386143

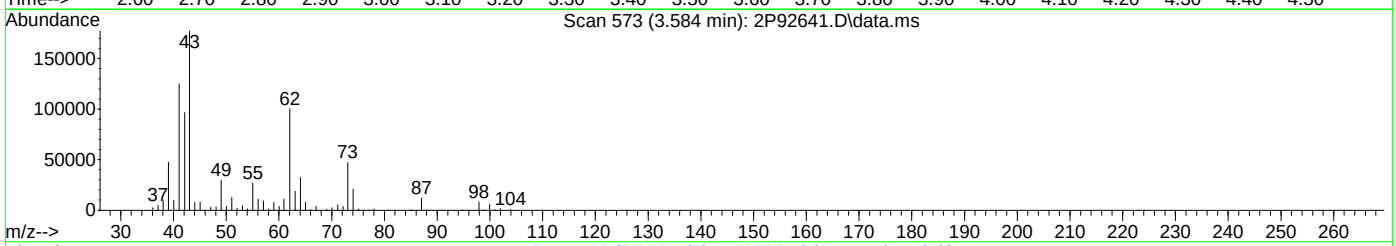
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	54.32
41.10	70.00	67.70
39.00	27.50	24.62

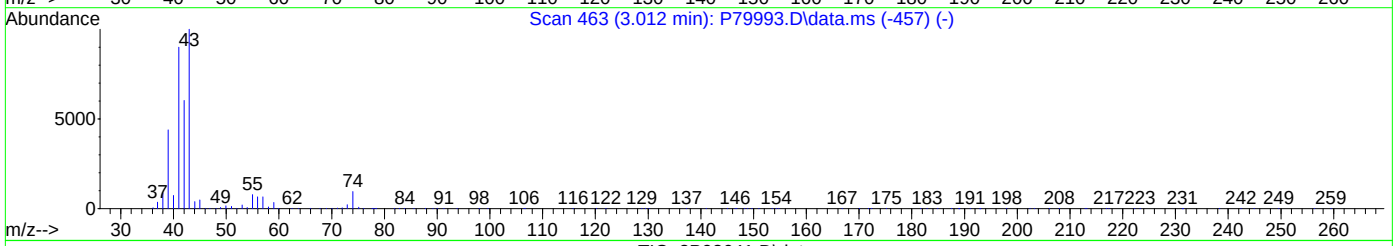
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:25:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92641.D\data.ms

(50) Isobutyl alcohol

3.584min (+0.000) 573.89ug/L m

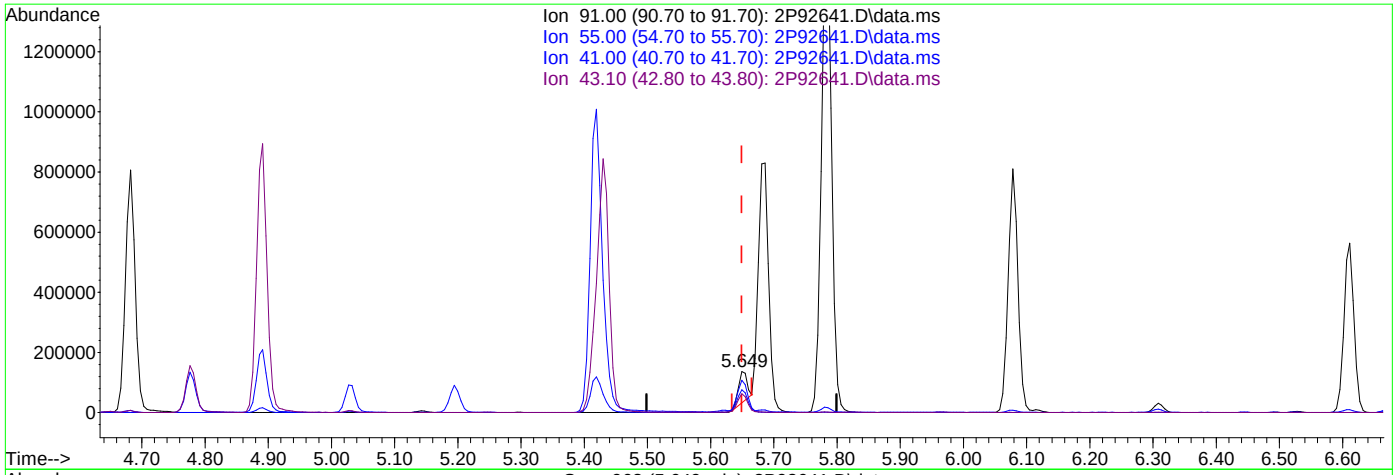
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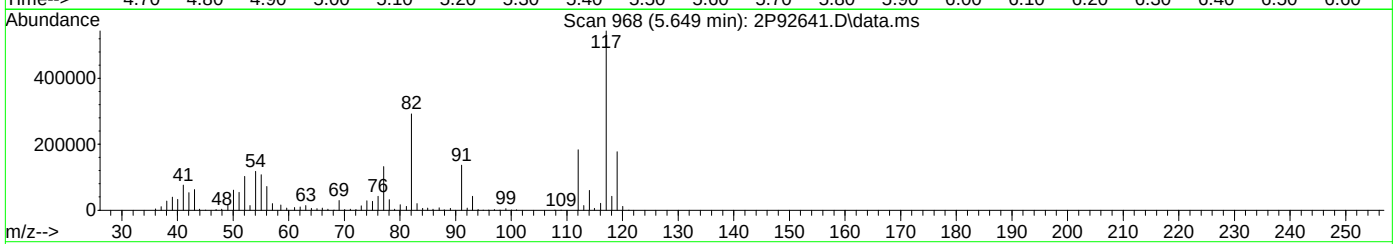
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	54.39
41.10	70.00	70.35
39.00	27.50	26.67

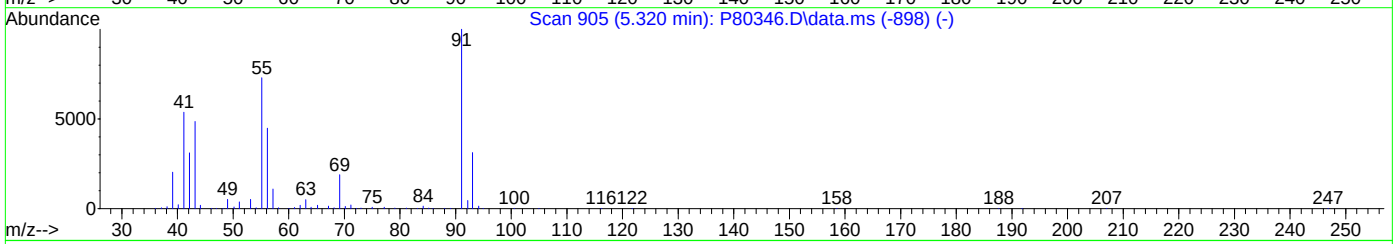
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:25:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92641.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 15.58ug/L

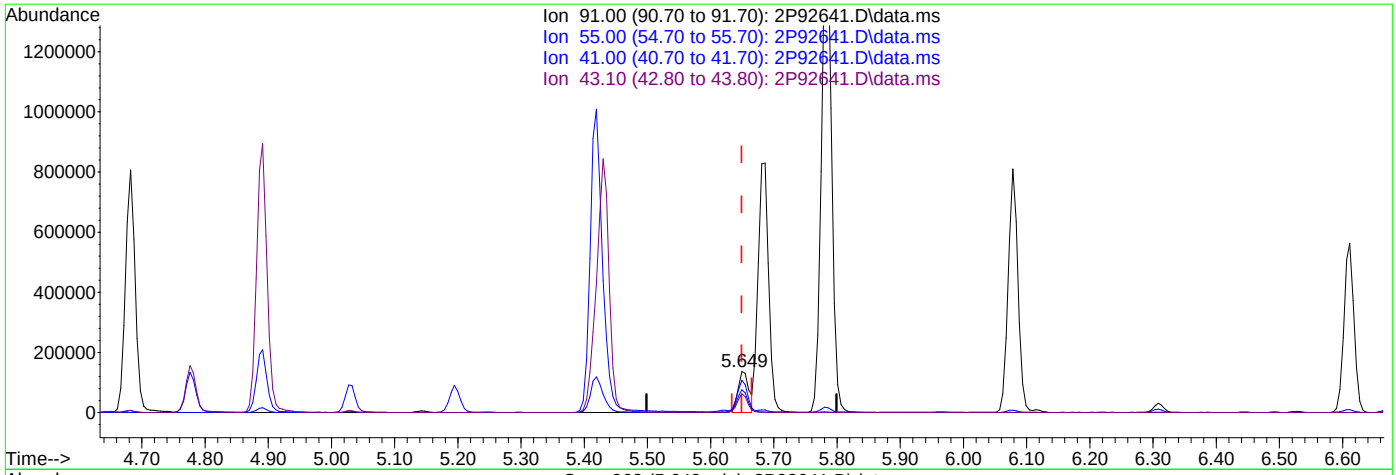
response 103250

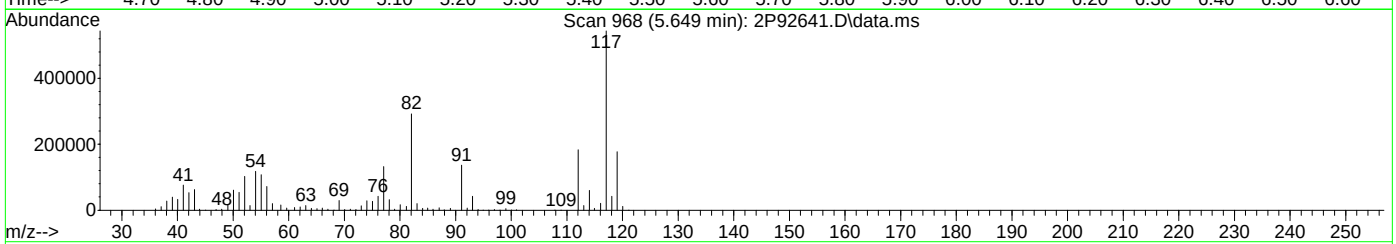
Ion	Exp%	Act%
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55.00	75.60	74.94
41.00	53.40	51.27
43.10	41.30	44.16

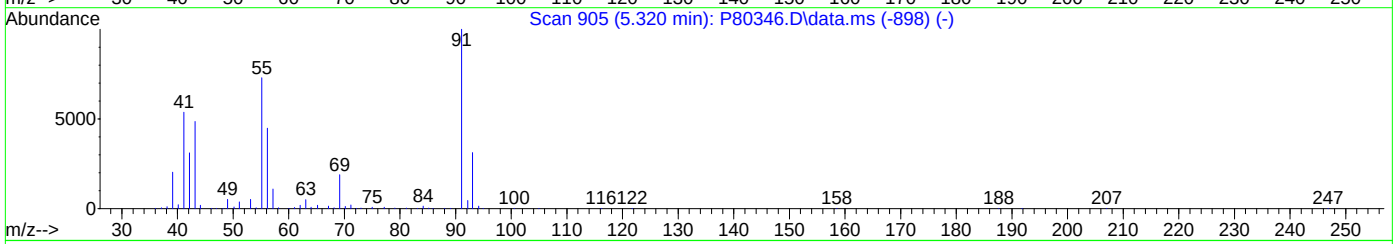
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:25:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92641.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 24.53ug/L m

response 162580

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	78.94
41.00	53.40	55.67
43.10	41.30	45.82

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 16:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
Operator : courtnef
Sample : FA98474-2MSD
Misc : MS52312,V2P3567,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 02 02:58:22 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.721	96	1224684	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.645	117	896637	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	416589	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.266	113	259609	49.88	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.76%		
49) 1,2-Dichloroethane-d4	3.553	65	356034	49.25	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	98.50%		
63) Toluene-d8	4.651	98	1194821	48.43	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	96.86%		
86) 4-Bromofluorobenzene	6.497	174	318893	49.08	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.16%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.122	85	120726	35.71	ug/L	100
3) Chloromethane	1.248	50	123856	33.16	ug/L	96
4) 1,3-butadiene	1.316	39	116537	33.57	ug/L	96
5) Vinyl Chloride	1.300	62	391840	86.07	ug/L	99
6) Bromomethane	1.509	94	64494	22.89	ug/L	99
7) Chloroethane	1.582	64	42751	28.70	ug/L	96
8) Trichlorofluoromethane	1.671	101	163181	34.18	ug/L	98
9) Ethyl Ether	1.880	59	104654	24.56	ug/L	97
10) Ethanol	1.964	45	70706	557.66	ug/L	95
11) 1,2-Dichlorotrifluoroe...	1.974	67	128250	32.18	ug/L	97
12) 1,1-Dichloroethene	1.980	61	164412	28.24	ug/L	94
13) Freon 113	2.016	101	98379	27.13	ug/L	95
14) Carbon Disulfide	2.001	76	201405	21.61	ug/L	96
15) Iodomethane	2.058	142	59882	24.75	ug/L	95
16) Acrolein	2.152	56	162467	104.26	ug/L	99
17) Allyl chloride	2.246	41	128287	30.64	ug/L	94
18) Methylene Chloride	2.304	49	142248	22.36	ug/L	99
19) Acetone	2.314	43	388198	137.94	ug/L	100
20) Methyl acetate	2.398	43	751424	131.87	ug/L	99
21) trans-1,2-Dichloroethene	2.403	61	160080	27.14	ug/L	99
22) Hexane	2.471	56	86073	30.05	ug/L	95
23) Methyl Tert Butyl Ether	2.471	73	404103	30.06	ug/L	93
24) Tert Butyl Alcohol	2.508	59	550071	330.89	ug/L	97
25) Acetonitrile	2.550	41	241282	255.87	ug/L	99
26) Di-isopropyl ether	2.685	45	353100	28.29	ug/L	97
27) Chloroprene	2.727	53	651501	36.65	ug/L	92
28) 1,1-Dichloroethane	2.727	63	224116	28.90	ug/L	98
29) Acrylonitrile	2.727	52	428651	152.50	ug/L	79
30) ETBE	2.884	59	360969	24.69	ug/L	99
31) Vinyl acetate	2.858	43	1297819	129.04	ug/L	98
32) cis-1,2-Dichloroethene	3.020	96	124467	26.91	ug/L	93
33) 2,2-Dichloropropane	3.088	77	123674	21.14	ug/L	98
34) Bromochloromethane	3.130	128	51400	24.58	ug/L	91
35) Cyclohexane	3.166	56	216526	30.04	ug/L	99
36) Chloroform	3.166	83	206548	26.54	ug/L	98
37) Ethyl acetate	3.224	43	993908	130.66	ug/L	99
38) Tetrahydrofuran	3.255	42	84929	29.24	ug/L	98
40) Carbon Tetrachloride	3.271	117	121574m	25.82	ug/L	
41) 1,1,1-Trichloroethane	3.297	97	176180	26.63	ug/L	97
42) 2-Butanone	3.313	43	658670	138.87	ug/L	96
43) 1,1-Dichloropropene	3.365	75	156839	26.86	ug/L	98
44) tert-Butyl formate	3.396	59	6812	2.36	ug/L #	38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
Operator : courtnef
Sample : FA98474-2MSD
Misc : MS52312,V2P3567,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 02 02:58:22 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.459	54	404743	270.34	ug/L		98
46) Methacrylonitrile	3.485	41	1114124	278.58	ug/L		99
47) Benzene	3.496	78	500794	26.87	ug/L		86
48) TAME	3.569	73	442267	33.27	ug/L		96
50) Isobutyl alcohol	3.590	43	451587m	589.61	ug/L		
51) 1,2-Dichloroethane	3.590	62	168283	25.22	ug/L		98
52) Tert Amyl Alcohol	3.647	59	333524	239.01	ug/L		92
53) Trichloroethene	3.825	95	119207	24.85	ug/L		98
54) Methylcyclohexane	3.846	83	190907	30.14	ug/L		99
55) Dibromomethane	4.050	93	62699	23.79	ug/L		95
56) 1,2-Dichloropropane	4.107	63	114304	25.24	ug/L		98
57) Bromodichloromethane	4.144	83	120891	25.22	ug/L		98
58) Methyl methacrylate	4.233	41	130029	25.95	ug/L		90
59) 1,4-Dioxane	4.259	88	76806	539.73	ug/L		97
61) cis-1,3-Dichloropropene	4.521	75	144073	23.24	ug/L		93
64) Toluene	4.683	91	954329	45.08	ug/L		100
65) 2-Nitropropane	4.777	41	166703	105.87	ug/L		96
66) 4-Methyl-2-pentanone	4.892	43	1049514	128.52	ug/L		99
67) trans-1,3-Dichloropropene	4.918	75	146605	24.49	ug/L		81
68) Tetrachloroethene	4.939	166	113264	25.19	ug/L		97
69) Ethyl methacrylate	5.033	69	174236	23.64	ug/L		97
70) 1,1,2-Trichloroethane	5.022	83	89592	24.74	ug/L		98
71) Dibromochloromethane	5.143	129	81270	22.39	ug/L		100
72) 1,3-Dichloropropane	5.195	76	185021	22.98	ug/L		98
73) 1,2-Dibromoethane	5.294	107	104953	23.98	ug/L		95
74) 3,3-dimethyl-1-butanol	5.420	57	2351571	1292.87	ug/L		98
75) 2-hexanone	5.430	43	1225176	133.62	ug/L		87
76) 1-Chlorohexane	5.650	91	178660m	26.46	ug/L		
77) Ethylbenzene	5.681	91	1037181	44.68	ug/L		98
78) Chlorobenzene	5.655	112	317294	25.03	ug/L		98
79) 1,1,1,2-Tetrachloroethane	5.697	131	96513	24.64	ug/L		97
80) m,p-Xylene	5.786	91	1945039	105.94	ug/L		100
81) o-Xylene	6.078	91	926825	51.29	ug/L		99
82) Styrene	6.110	104	331377	23.97	ug/L		99
83) Bromoform	6.120	173	42005	21.73	ug/L		94
84) Isopropylbenzene	6.308	105	552554	26.50	ug/L		100
87) cis-1,4-Dichloro-2-butene	6.528	53	36687	16.49	ug/L	#	81
88) n-Propylbenzene	6.612	91	660338	25.83	ug/L		99
89) Bromobenzene	6.570	156	120598	23.34	ug/L		96
90) 1,1,2,2-Tetrachloroethane	6.633	83	166828	24.19	ug/L		99
91) 1,3,5-Trimethylbenzene	6.758	105	468382	26.32	ug/L		100
92) 2-Chlorotoluene	6.711	91	385303	24.98	ug/L		97
93) trans-1,4-Dichloro-2-B...	6.758	53	49160	16.64	ug/L		83
94) 1,2,3-Trichloropropane	6.727	110	58195	22.63	ug/L		98
95) Cyclohexanone	6.742	55	68371	126.97	ug/L		98
96) 4-Chlorotoluene	6.837	91	394902	24.29	ug/L		99
97) tert-Butylbenzene	6.993	91	239845	24.54	ug/L		97
99) 1,2,4-Trimethylbenzene	7.046	105	624444	35.97	ug/L		99
100) Pentachloroethane	6.999	167	52846	24.96	ug/L		98
101) sec-Butylbenzene	7.135	105	486711	25.72	ug/L		99
102) 4-Isopropyltoluene	7.244	119	433770	26.19	ug/L		99
103) 1,3-Dichlorobenzene	7.276	146	227669	24.52	ug/L		98
104) 1,2,3-Trimethylbenzene	7.375	105	557197	32.00	ug/L		98
105) 1,4-Dichlorobenzene	7.344	146	228679	23.57	ug/L		99
106) n-Butylbenzene	7.563	92	184765	22.89	ug/L		95
107) Benzyl Chloride	7.521	126	19055	10.76	ug/L	#	69
108) 1,2-Dichlorobenzene	7.652	146	205513	23.58	ug/L		98
109) 1,2-Dibromo-3-Chloropr...	8.206	75	31799	20.83	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
Operator : courtnef
Sample : FA98474-2MSD
Misc : MS52312,V2P3567,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 02 02:58:22 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

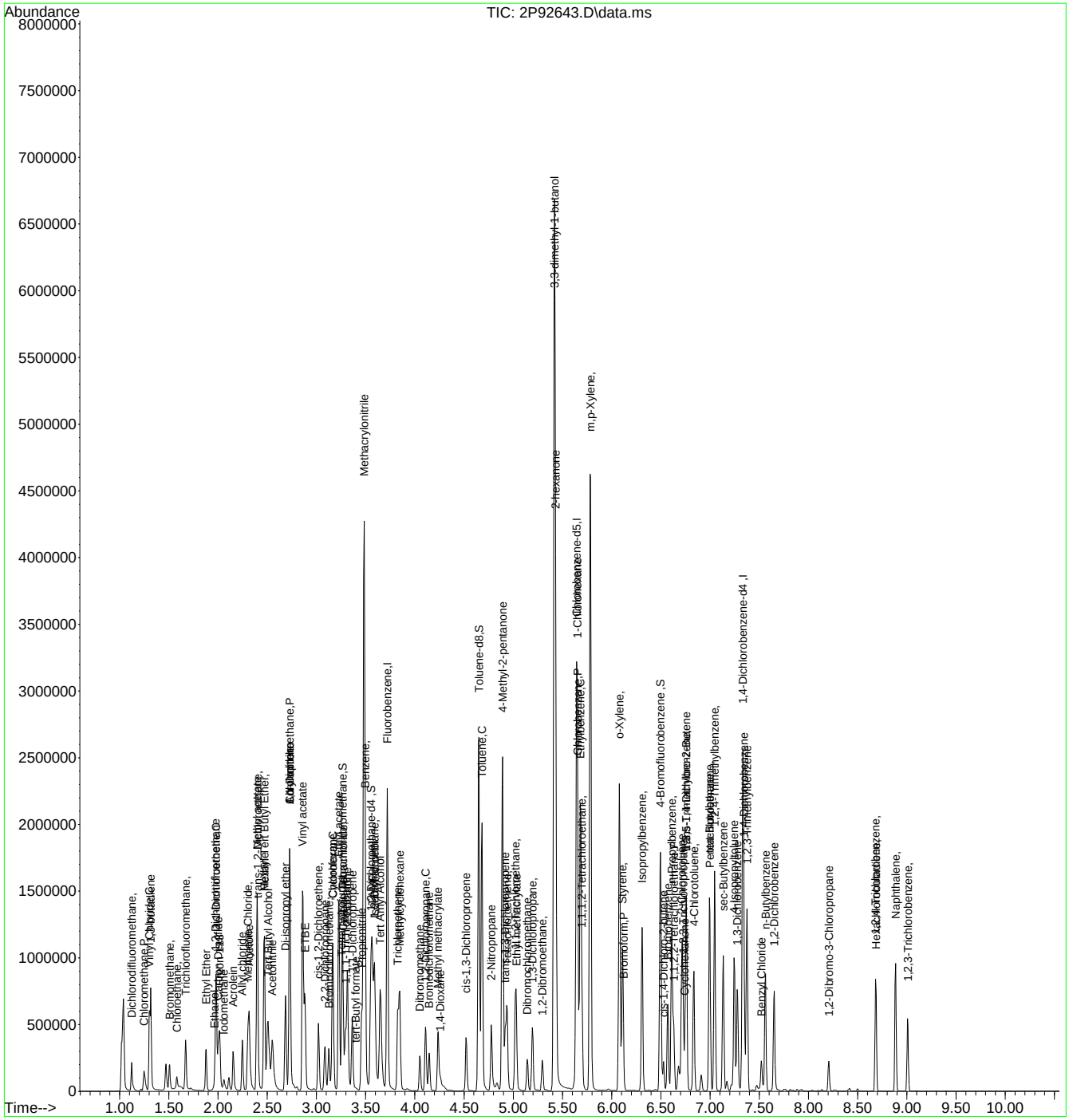
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) Hexachlorobutadiene	8.687	225	33546	21.69	ug/L	97
111) 1,2,4-Trichlorobenzene	8.682	180	105158	22.69	ug/L	98
112) Naphthalene	8.886	128	449430	23.60	ug/L	99
113) 1,2,3-Trichlorobenzene	9.011	180	99085	22.77	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
Operator : courtnef
Sample : FA98474-2MSD
Misc : MS52312,V2P3567,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 02 02:58:22 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

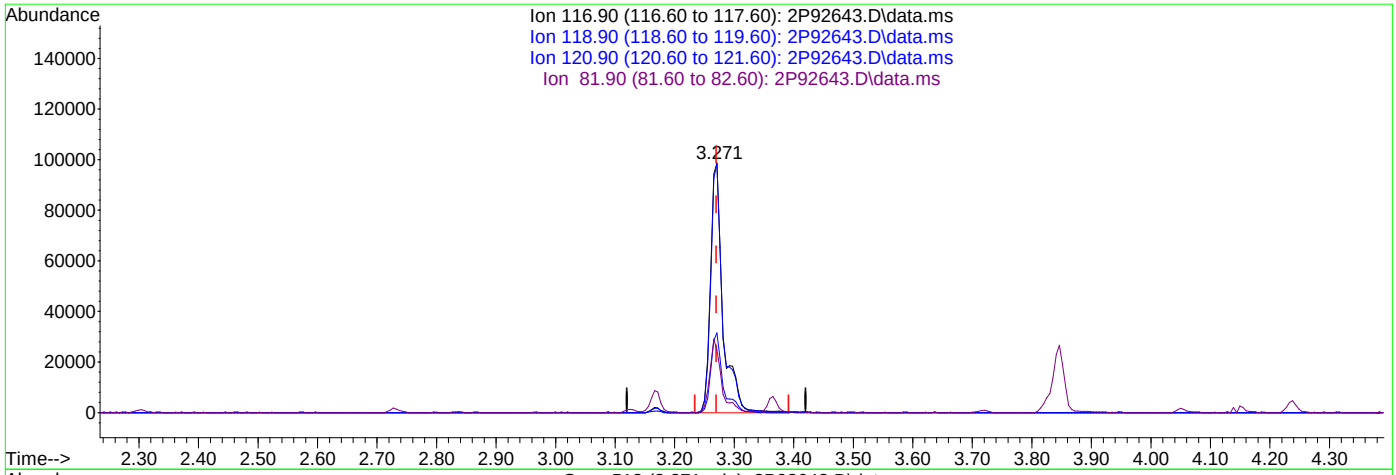
Sample Number: FA98474-2MSD
Lab FileID: 2P92643.D
Injection Time: 09/02/22 00:18
Method: SW846 8260D
Analyst approved: 09/02/22 03:14 Antonette Clutario
Supervisor approved: 09/07/22 16:11 Karen Watson

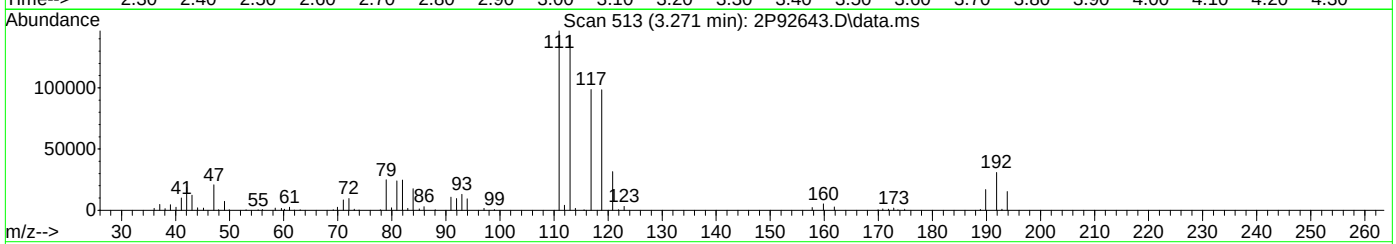
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

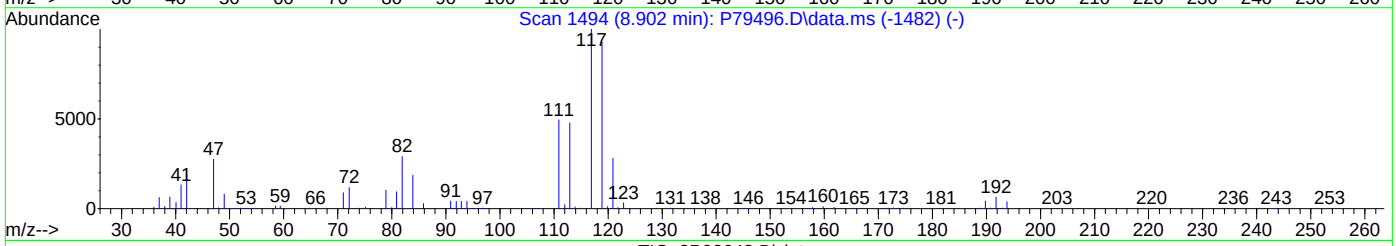
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
Operator : courtnef
Sample : FA98474-2MSD
Misc : MS52312,V2P3567,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 02 02:25:10 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92643.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (+0.001) 30.15ug/L

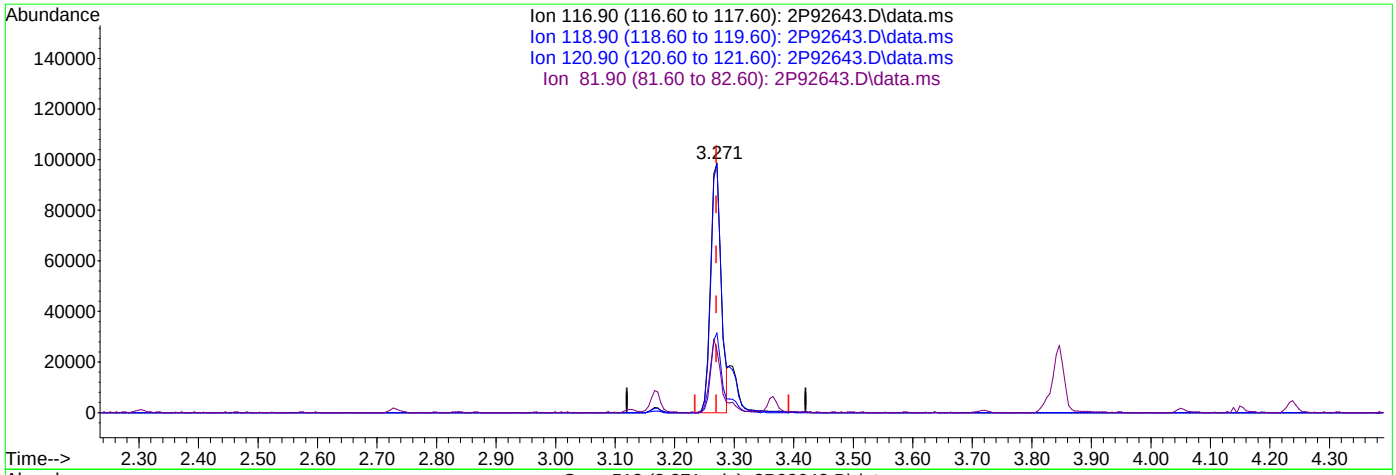
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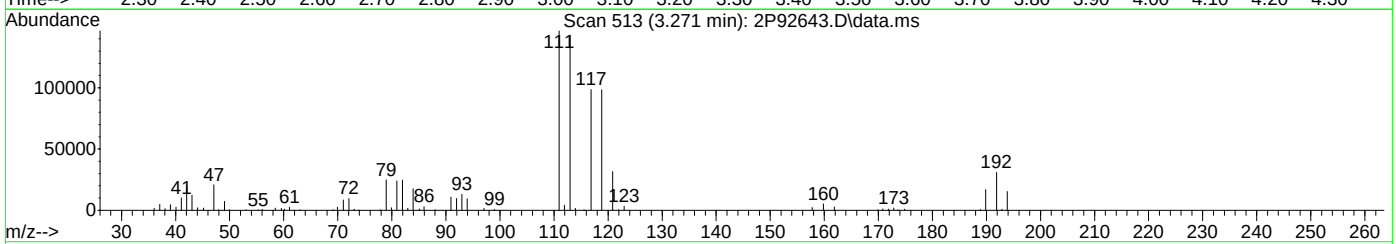
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.58
120.90	29.50	31.92
81.90	28.30	25.00

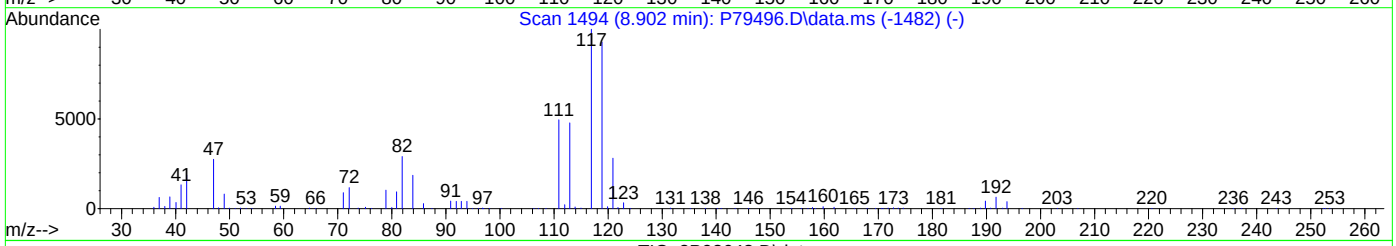
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
Operator : courtnef
Sample : FA98474-2MSD
Misc : MS52312,V2P3567,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 02 02:25:10 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92643.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (+0.001) 25.82ug/L m

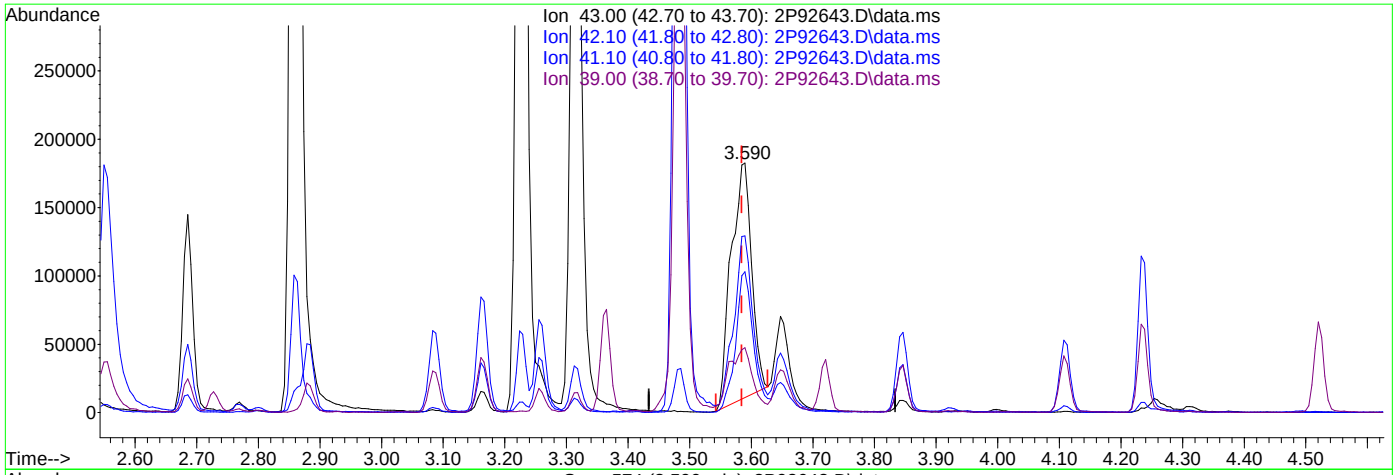
response 121574

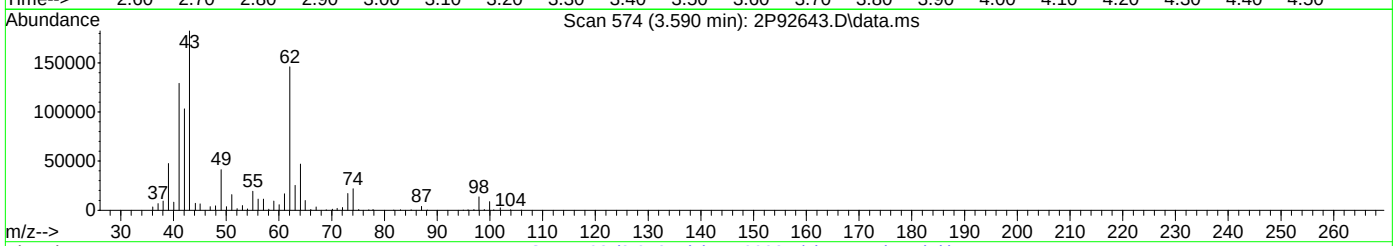
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.58
120.90	29.50	31.92
81.90	28.30	25.00

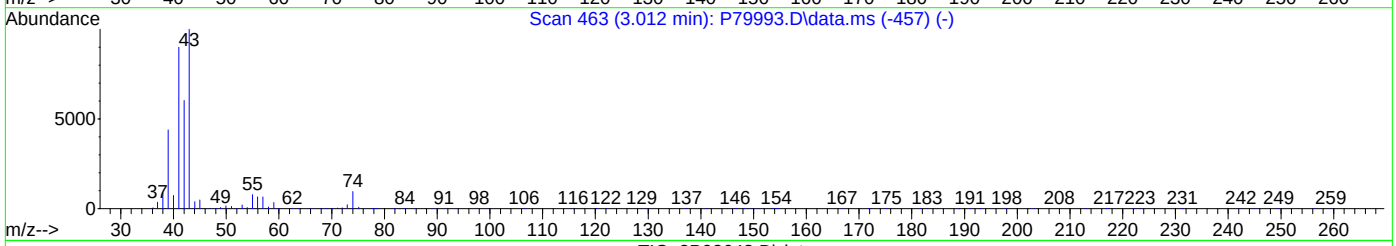
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
Operator : courtnef
Sample : FA98474-2MSD
Misc : MS52312,V2P3567,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 02 02:25:10 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92643.D\data.ms

(50) Isobutyl alcohol

3.590min (+0.006) 524.86ug/L

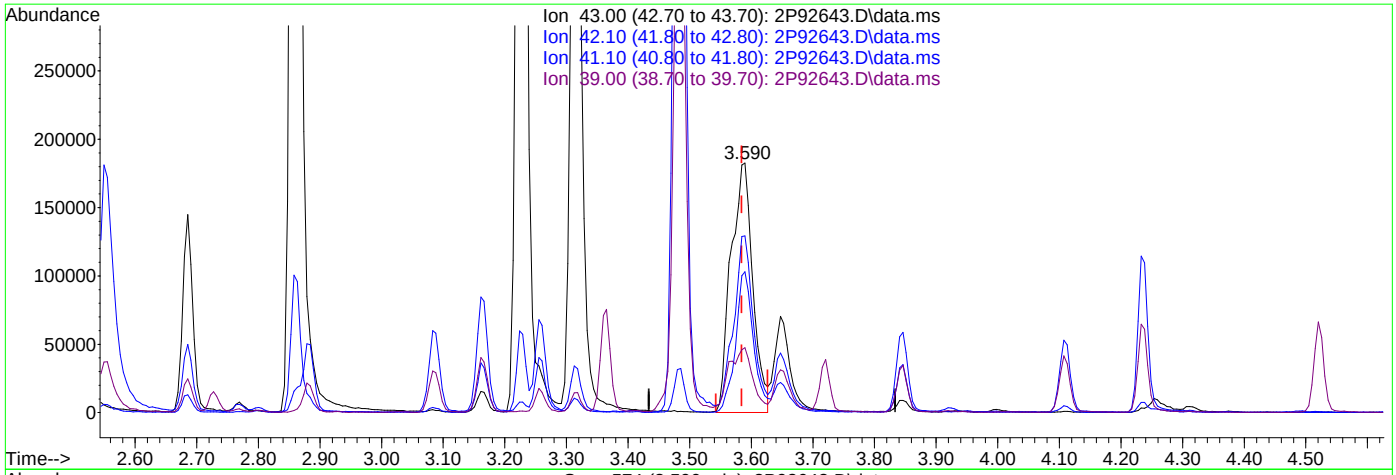
response 401994

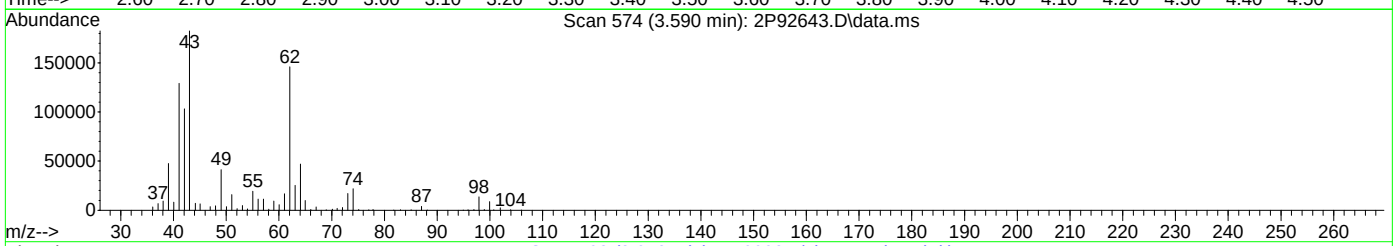
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	56.41
41.10	70.00	68.27
39.00	27.50	23.48

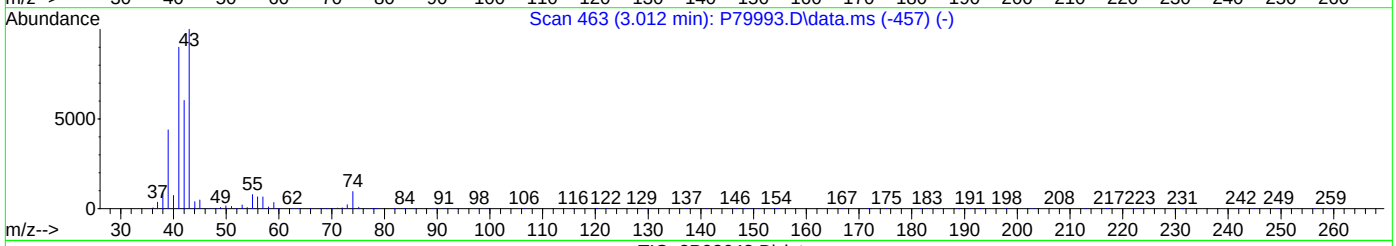
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
Operator : courtnef
Sample : FA98474-2MSD
Misc : MS52312,V2P3567,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 02 02:25:10 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92643.D\data.ms

(50) Isobutyl alcohol

3.590min (+0.006) 589.61ug/L m

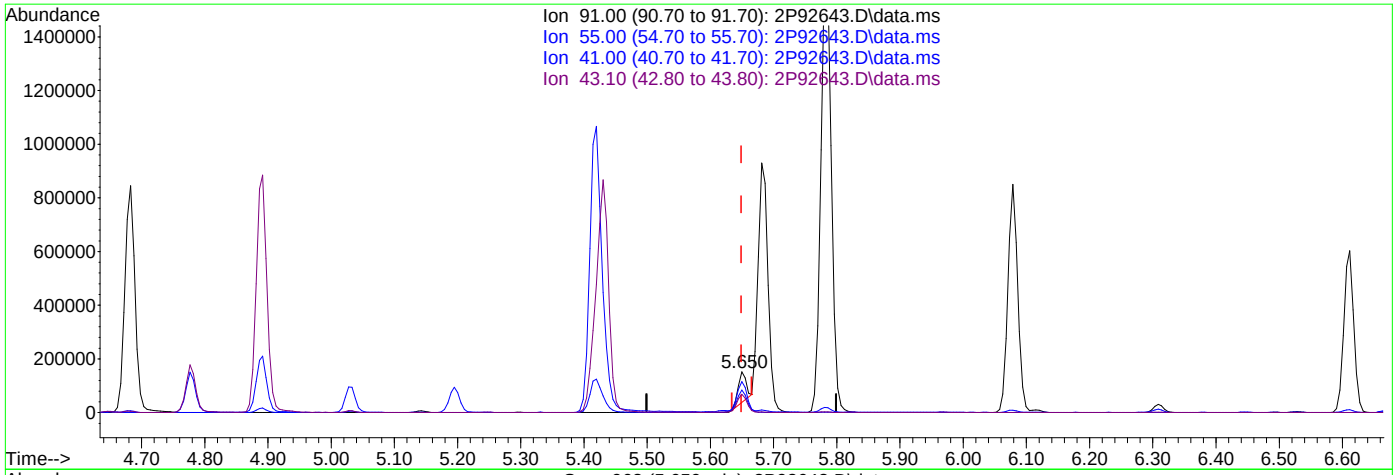
response 451587

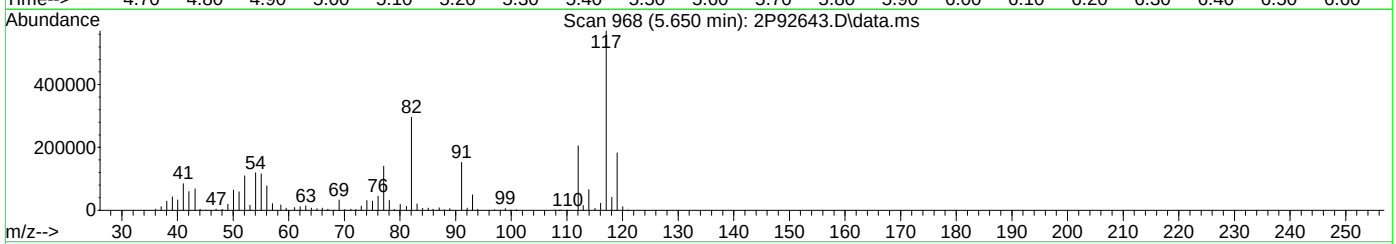
Ion	Exp%	Act%
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42.10	55.40	56.44
41.10	70.00	70.75
39.00	27.50	25.99

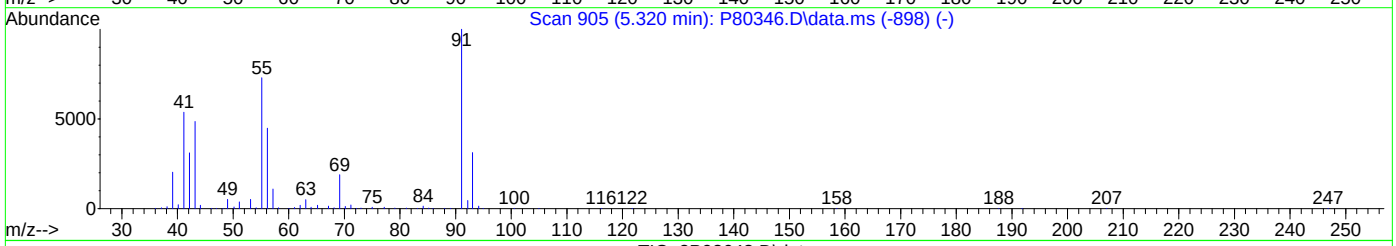
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
Operator : courtnef
Sample : FA98474-2MSD
Misc : MS52312,V2P3567,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 02 02:25:10 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92643.D\data.ms

(76) 1-Chlorohexane

5.650min (+0.001) 15.78ug/L

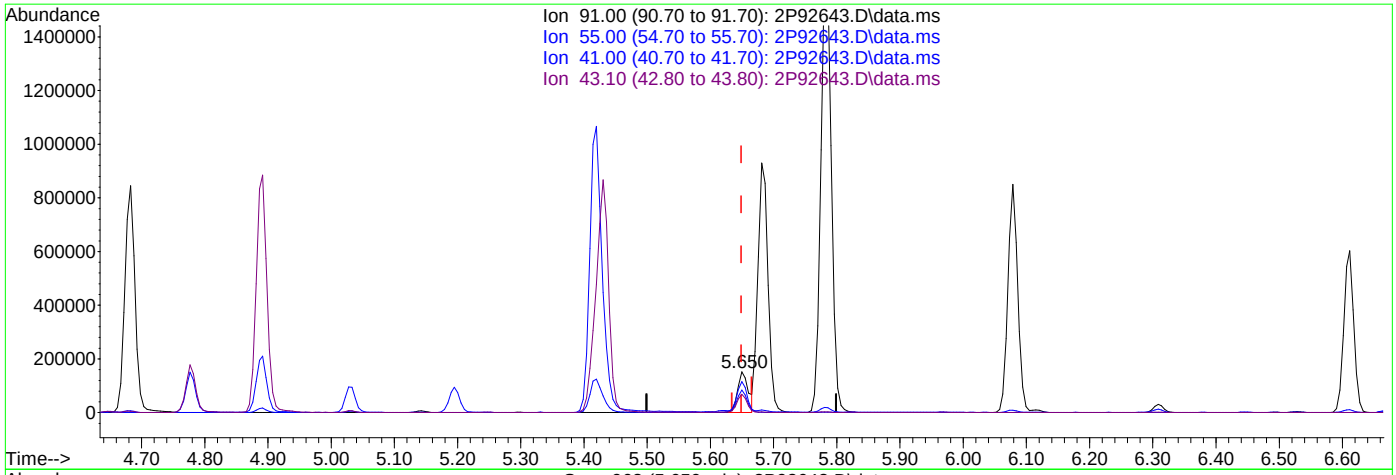
response 106534

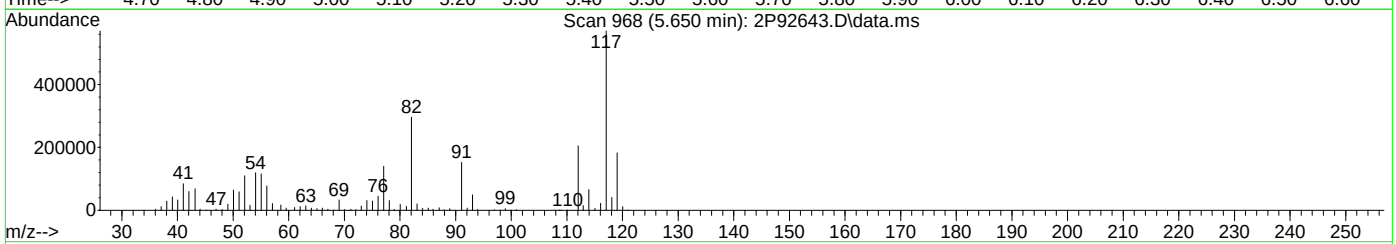
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	71.75
41.00	53.40	51.60
43.10	41.30	42.86

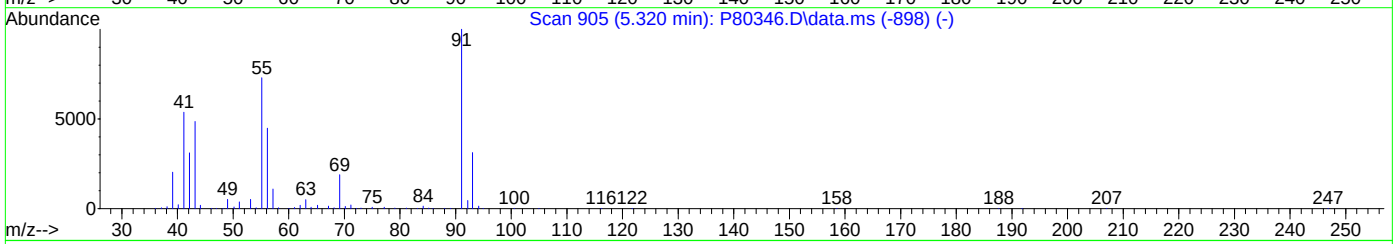
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
Operator : courtnef
Sample : FA98474-2MSD
Misc : MS52312,V2P3567,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 02 02:25:10 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92643.D\data.ms

(76) 1-Chlorohexane

5.650min (+0.001) 26.46ug/L m

response 178660

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	75.87
41.00	53.40	55.31
43.10	41.30	44.72

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 16:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64479.D
Acq On : 3 Sep 2022 8:44 pm
Operator : adelardl
Sample : FA98458-1MS 20X
Misc : MS52313,VY2672,,,,,20
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 05 02:23:51 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	9.498	96	474564	50.00	ug/L		0.00
62) Chlorobenzene-d5	12.150	117	432605	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	215048	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.603	113	101108	47.55	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.10%				
49) 1,2-Dichloroethane-d4	9.206	65	134937	51.96	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.92%				
63) Toluene-d8	10.933	98	515649	48.19	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.38%				
86) 4-Bromofluorobenzene	13.008	174	143572	43.98	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 87.96%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.848	85	71249	26.45	ug/L		91
3) Acrolein	5.580	56	83947	128.24	ug/L		98
4) Chloromethane	3.177	50	88651	29.99	ug/L		88
5) 1,3-butadiene	3.341	39	92327	34.26	ug/L		98
6) Vinyl Chloride	3.311	62	89293	27.02	ug/L		96
7) Bromomethane	3.828	94	5132	9.06	ug/L		92
8) Chloroethane	4.022	64	46367	41.03	ug/L		97
9) Trichlorofluoromethane	4.241	101	109040	31.29	ug/L		100
10) Ethyl Ether	4.752	59	56504	26.15	ug/L		94
11) Ethanol	5.008	45	37369	627.56	ug/L		91
12) 1,2-Dichlorotrifluoroe...	5.038	67	78268	32.76	ug/L		92
13) 1,1-Dichloroethene	5.044	61	91953	28.42	ug/L		96
14) Freon 113	5.105	101	54708	24.32	ug/L		93
15) Carbon Disulfide	5.099	76	124314	20.21	ug/L		95
16) Iodomethane	5.276	142	3073	6.09	ug/L		88
17) Allyl chloride	5.787	41	96866	31.78	ug/L		97
18) Methylene Chloride	5.957	49	102924	26.72	ug/L		96
19) Acetone	6.042	43	206418	151.04	ug/L		99
20) Methyl acetate	6.231	43	446089	144.50	ug/L		98
21) trans-1,2-Dichloroethene	6.219	61	88825	27.53	ug/L		94
22) Hexane	6.328	56	52249	30.04	ug/L	#	80
23) Methyl Tert Butyl Ether	6.383	73	223974	30.14	ug/L		93
24) Tert Butyl Alcohol	6.535	59	206126	267.22	ug/L		94
25) Acetonitrile	6.784	41	180724	296.53	ug/L		96
26) Di-isopropyl ether	6.985	45	223921	28.37	ug/L		98
27) Chloroprene	7.174	53	93017	132.14	ug/L		97
28) 1,1-Dichloroethane	7.210	63	123556	29.43	ug/L		99
29) Acrylonitrile	7.295	53	232574	141.11	ug/L		97
30) ETBE	7.575	59	197088	25.05	ug/L		94
31) Vinyl acetate	7.600	43	965787	152.36	ug/L		99
32) cis-1,2-Dichloroethene	8.031	96	77068	28.82	ug/L		97
33) 2,2-Dichloropropane	8.165	77	83533	24.00	ug/L		94
34) Bromochloromethane	8.287	128	26627	21.33	ug/L	#	79
35) Cyclohexane	8.293	56	131304	28.38	ug/L		98
36) Chloroform	8.378	83	112809	26.94	ug/L		98
37) Ethyl acetate	8.512	43	691210	144.93	ug/L		98
38) Tetrahydrofuran	8.591	42	54503	28.38	ug/L		94
40) Carbon Tetrachloride	8.555	117	68737	24.45	ug/L		97
41) 1,1,1-Trichloroethane	8.634	97	98073	26.78	ug/L		98
42) 2-Butanone	8.743	43	359393	141.81	ug/L		100
43) 1,1-Dichloropropene	8.780	75	93447	27.98	ug/L		96
44) tert-Butyl formate	8.895	59	260811	121.52	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64479.D
Acq On : 3 Sep 2022 8:44 pm
Operator : adelardl
Sample : FA98458-1MS 20X
Misc : MS52313,VY2672,,,,,20
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 05 02:23:51 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	9.084	54	224937	288.96	ug/L		93
46)	Methacrylonitrile	9.102	41	712538	280.72	ug/L		99
47)	Benzene	9.060	78	300265	27.66	ug/L		99
48)	TAME	9.169	73	271855	35.37	ug/L		96
50)	Isobutyl Alcohol	9.272	42	125203	591.21	ug/L		99
51)	1,2-Dichloroethane	9.285	62	93811	27.39	ug/L		97
52)	Tert Amyl Alcohol	9.376	59	183541m	278.24	ug/L		
53)	Trichloroethene	9.674	95	72155	27.44	ug/L		96
54)	Methylcyclohexane	9.662	83	140150	30.51	ug/L		97
55)	Dibromomethane	10.088	93	37030	24.94	ug/L	#	80
56)	1,2-Dichloropropane	10.173	63	72307	27.76	ug/L		93
57)	Bromodichloromethane	10.228	83	75770	27.27	ug/L		97
58)	Methyl methacrylate	10.343	41	80759	27.54	ug/L		95
59)	1,4-Dioxane	10.410	88	38028	663.23	ug/L		97
60)	2-Chloroethyl vinyl ether	10.708	63	97263	132.78	ug/L		97
61)	cis-1,3-Dichloropropene	10.781	75	98059	26.59	ug/L		98
64)	Toluene	10.976	91	322830	24.41	ug/L		95
65)	2-Nitropropane	11.171	41	156717	119.26	ug/L		99
66)	4-Methyl-2-pentanone	11.262	43	707131	133.85	ug/L		97
67)	trans-1,3-Dichloropropene	11.310	75	88180	24.53	ug/L		78
68)	Tetrachloroethene	11.304	166	122117	38.20	ug/L		91
69)	Ethyl methacrylate	11.402	69	102423	23.73	ug/L		92
70)	1,1,2-Trichloroethane	11.444	83	55237	24.01	ug/L		96
71)	Dibromochloromethane	11.590	129	47599	19.28	ug/L		96
72)	1,3-Dichloropropane	11.657	76	113838	22.67	ug/L		97
73)	1,2-Dibromoethane	11.791	107	61522	21.66	ug/L		94
74)	3,3-dimethyl-1-butanol	11.870	57	1369660m	1236.69	ug/L		
75)	2-hexanone	11.901	43	582353	148.20	ug/L		99
76)	1-Chlorohexane	12.107	91	105281	26.46	ug/L		87
77)	Ethylbenzene	12.156	91	369794	25.38	ug/L		99
78)	Chlorobenzene	12.162	112	190471	23.45	ug/L		98
79)	1,1,1,2-Tetrachloroethane	12.205	131	55752	21.62	ug/L		96
80)	m,p-Xylene	12.259	91	560347	49.76	ug/L		98
81)	o-Xylene	12.570	91	273893	25.35	ug/L		96
82)	Styrene	12.606	104	186111	23.62	ug/L		95
83)	Bromoform	12.667	173	25462	16.09	ug/L		92
84)	Isopropylbenzene	12.783	105	340823	24.80	ug/L		98
87)	cis-1,4-Dichloro-2-butene	13.032	53	15014	12.04	ug/L	#	68
88)	n-Propylbenzene	13.062	91	419500	26.58	ug/L		93
89)	Bromobenzene	13.099	156	60978	19.37	ug/L	#	80
90)	1,1,2,2-Tetrachloroethane	13.117	83	116209	26.47	ug/L		99
91)	1,3,5-Trimethylbenzene	13.178	105	268153	24.87	ug/L		96
92)	2-Chlorotoluene	13.202	91	258147	25.19	ug/L		97
93)	trans-1,4-Dichloro-2-B...	13.239	53	12291	10.61	ug/L	#	1
94)	1,2,3-Trichloropropane	13.233	110	32334	21.93	ug/L		89
95)	Cyclohexanone	13.288	55	39598	139.43	ug/L		94
96)	4-Chlorotoluene	13.312	91	233099	25.55	ug/L		96
97)	tert-Butylbenzene	13.409	91	154377	25.98	ug/L		90
98)	1,2,4-Trimethylbenzene	13.458	105	270032	25.51	ug/L		92
99)	Pentachloroethane	13.464	167	34370	21.15	ug/L		86
100)	sec-Butylbenzene	13.531	105	360525	27.97	ug/L		98
101)	4-Isopropyltoluene	13.610	119	279814	25.84	ug/L		96
102)	1,3-Dichlorobenzene	13.726	146	119600	21.11	ug/L		93
103)	1,2,3-Trimethylbenzene	13.762	105	278411	26.01	ug/L		98
104)	1,4-Dichlorobenzene	13.780	146	124069	20.66	ug/L		93
105)	n-Butylbenzene	13.896	92	134908	25.11	ug/L		96
106)	Benzyl Chloride	13.932	126	22698	13.31	ug/L	#	80
107)	1,2-Dichlorobenzene	14.072	146	114141	20.60	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64479.D
Acq On : 3 Sep 2022 8:44 pm
Operator : adelardl
Sample : FA98458-1MS 20X
Misc : MS52313,VY2672,,,,,20
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 05 02:23:51 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

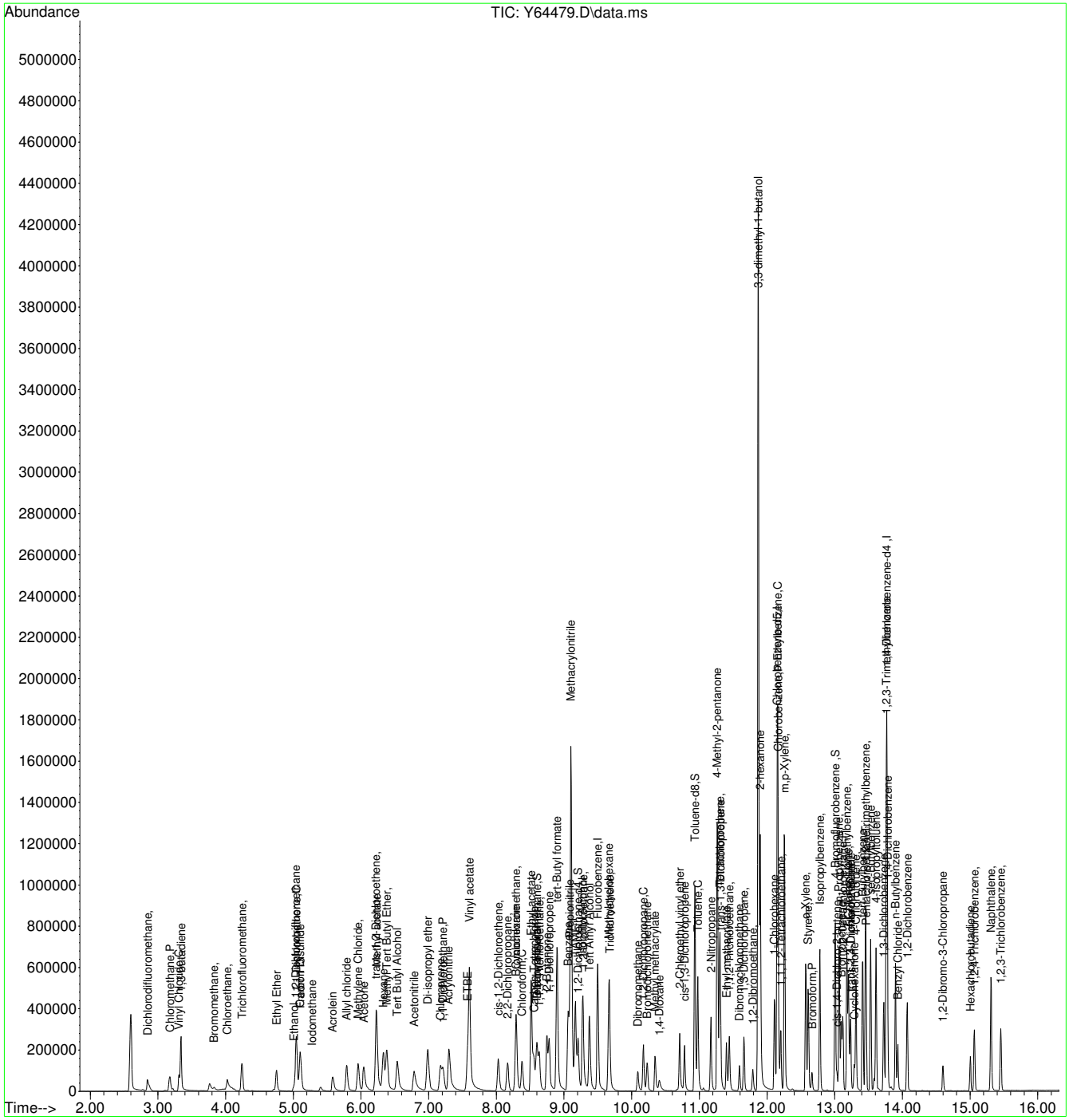
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.595	75	23428	22.91	ug/L	#	71
109) Hexachlorobutadiene	15.003	225	19704	19.43	ug/L		89
110) 1,2,4-Trichlorobenzene	15.064	180	63946	17.66	ug/L		96
111) Naphthalene	15.307	128	336593	21.58	ug/L		100
112) 1,2,3-Trichlorobenzene	15.453	180	66545	18.33	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64479.D
Acq On : 3 Sep 2022 8:44 pm
Operator : adelardl
Sample : FA98458-1MS 20X
Misc : MS52313,VY2672,,,,,20
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 05 02:23:51 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



Manual Integration Approval Summary

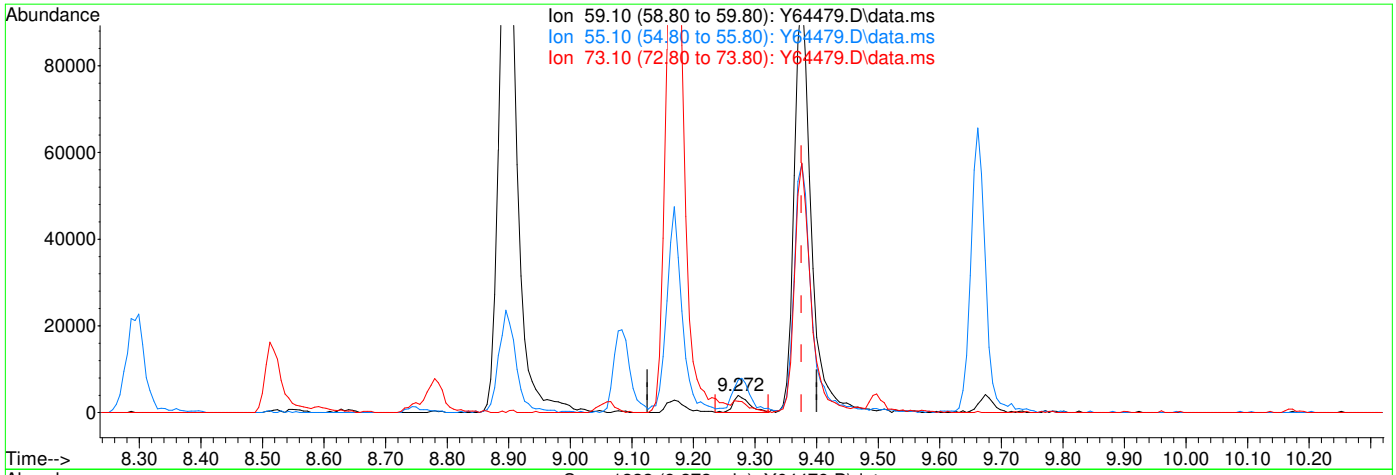
Sample Number: FA98458-1MS
Lab FileID: Y64479.D
Injection Time: 09/03/22 20:44
Method: SW846 8260D
Analyst approved: 09/07/22 10:29 Adelard Lefebvre
Supervisor approved: 09/07/22 16:38 Karen Watson

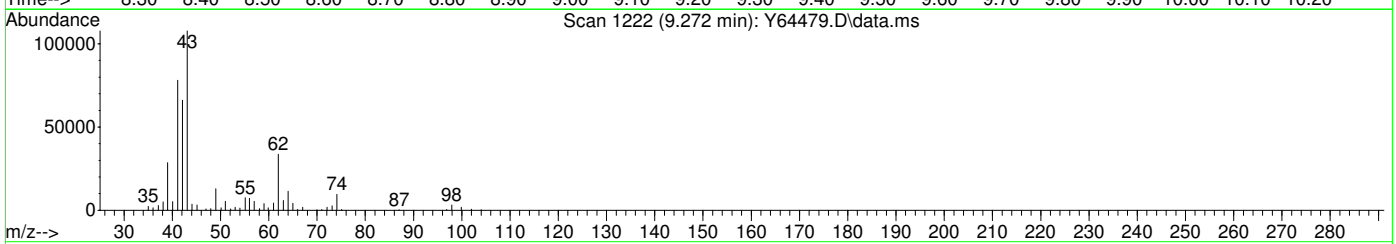
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

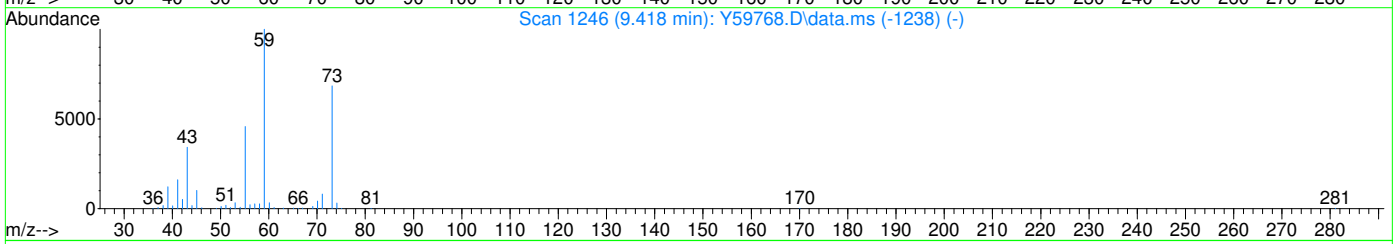
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64479.D
Acq On : 3 Sep 2022 8:44 pm
Operator : adelardl
Sample : FA98458-1MS 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 05 01:43:11 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64479.D\data.ms

(52) Tert Amyl Alcohol

9.272min (-0.103) 12.26ug/L

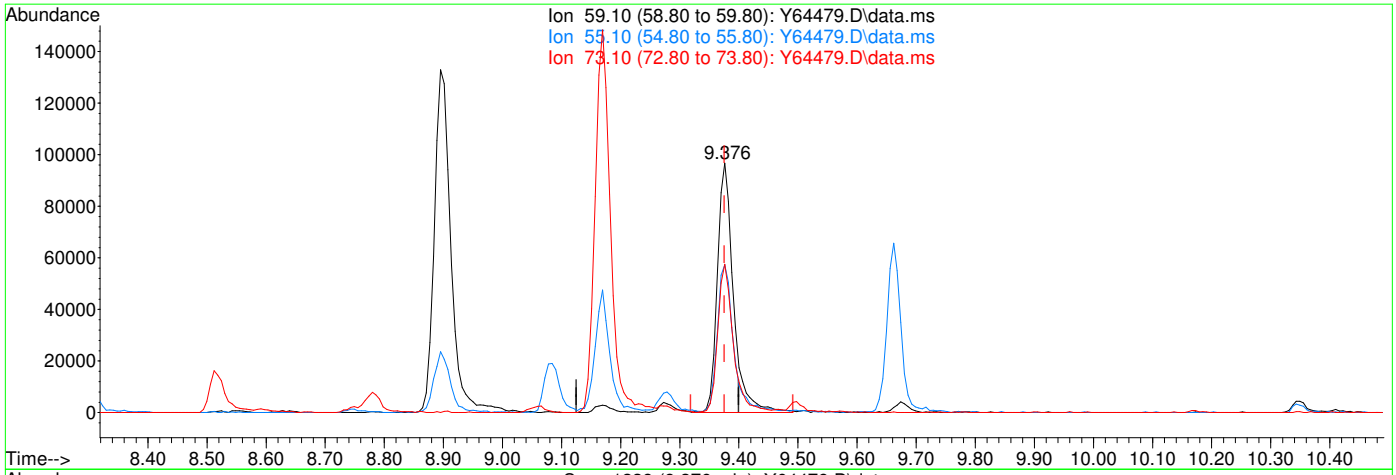
response 7127

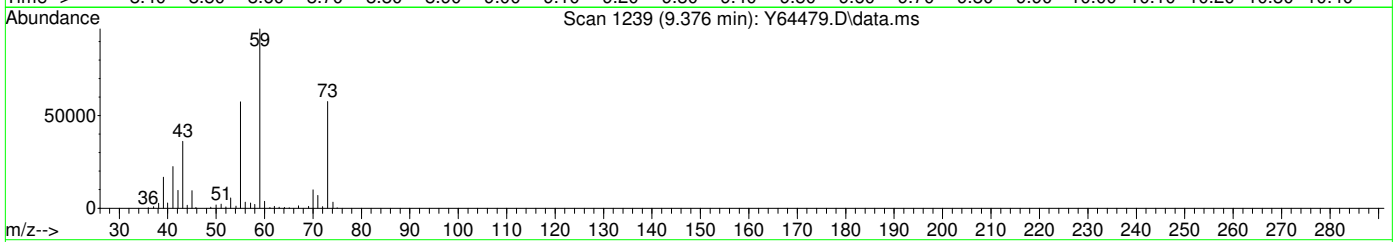
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	166.92#
73.10	59.00	56.19
0.00	0.00	0.00

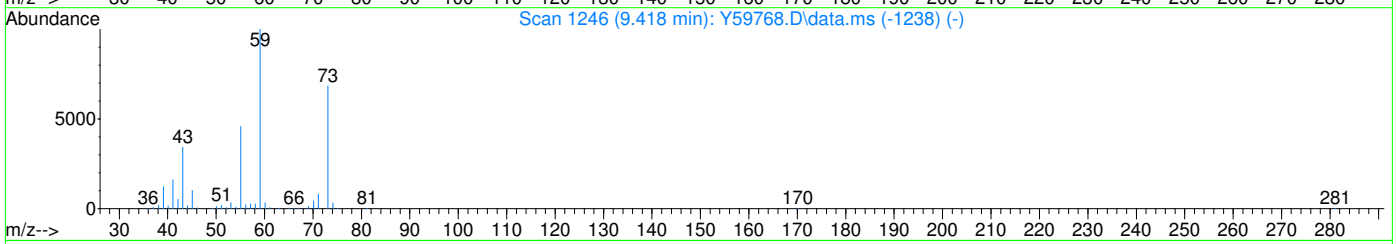
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64479.D
Acq On : 3 Sep 2022 8:44 pm
Operator : adelardl
Sample : FA98458-1MS 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 05 01:43:11 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64479.D\data.ms

(52) Tert Amyl Alcohol

9.376min (+0.001) 278.24ug/L m

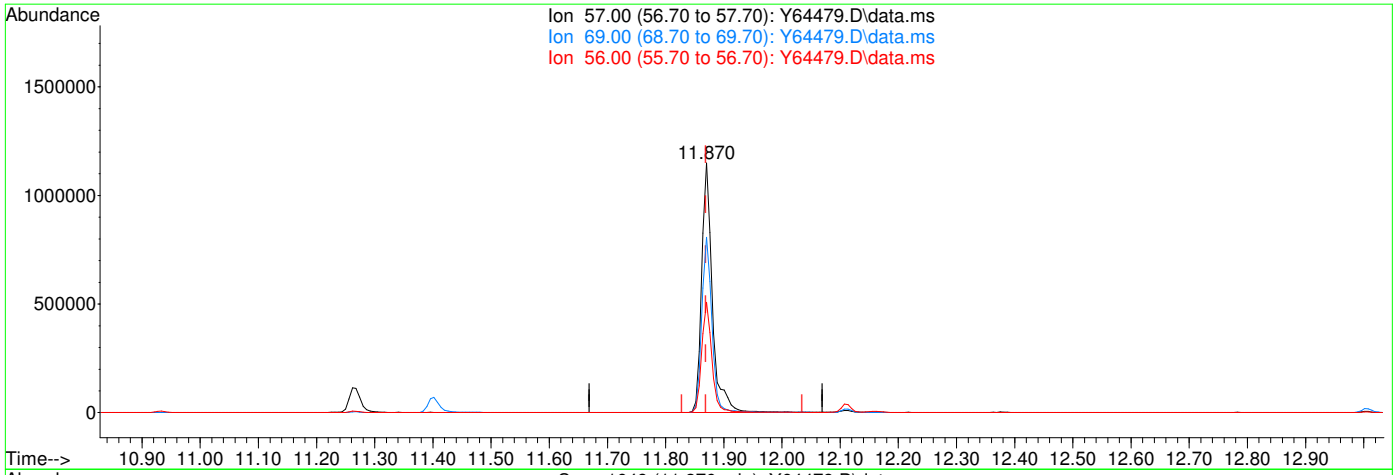
response 183541

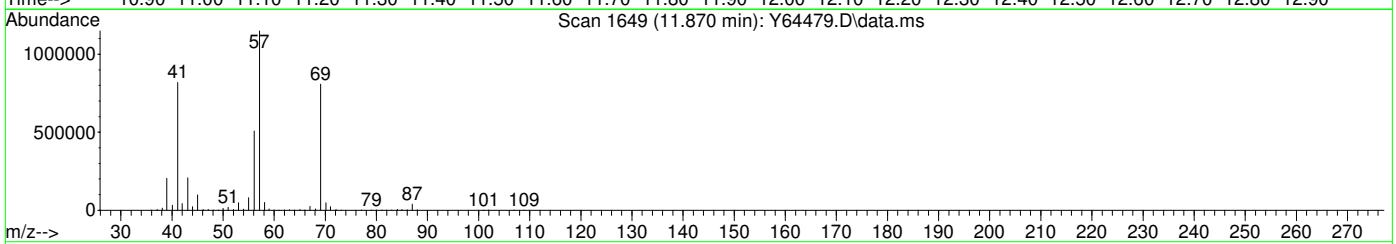
Ion	Exp%	Act%
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55.10	51.70	59.22
73.10	59.00	59.48
0.00	0.00	0.00

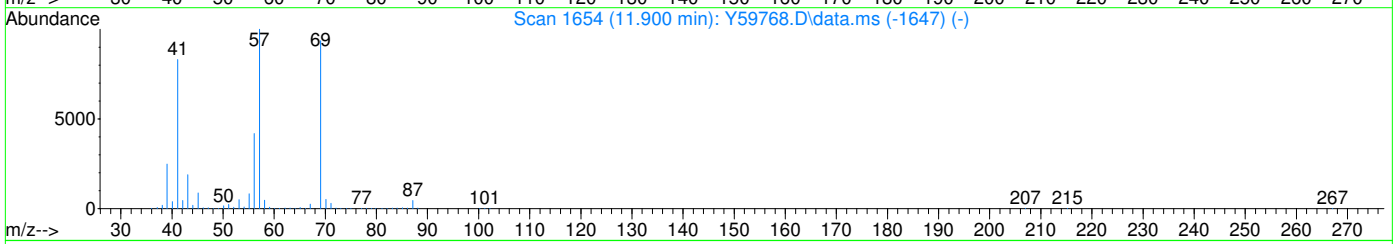
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64479.D
Acq On : 3 Sep 2022 8:44 pm
Operator : adelardl
Sample : FA98458-1MS 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 05 01:43:11 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64479.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (+0.001) 1328.70ug/L

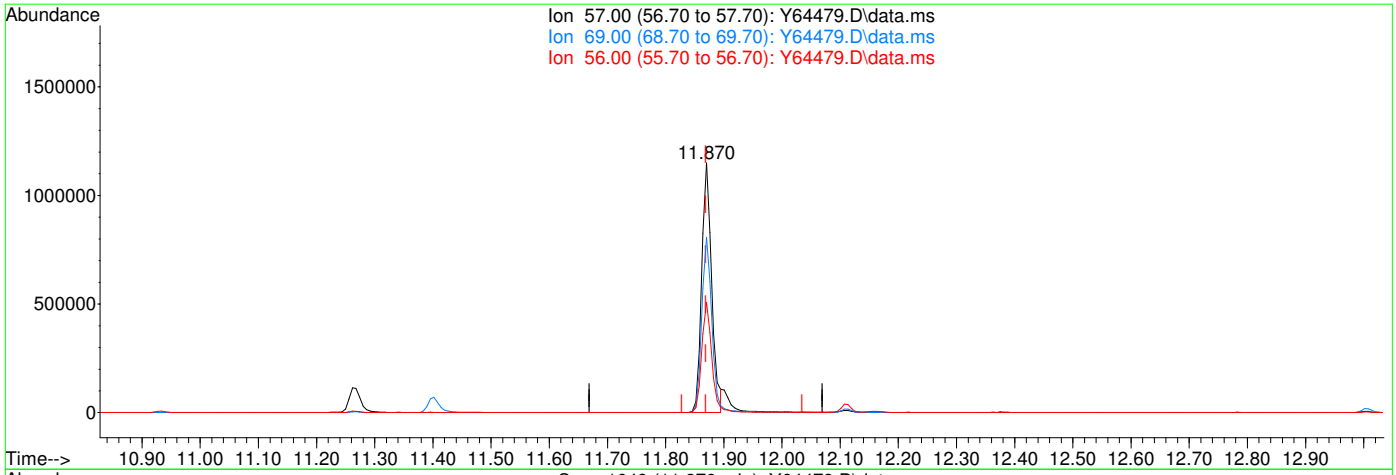
response 1483457

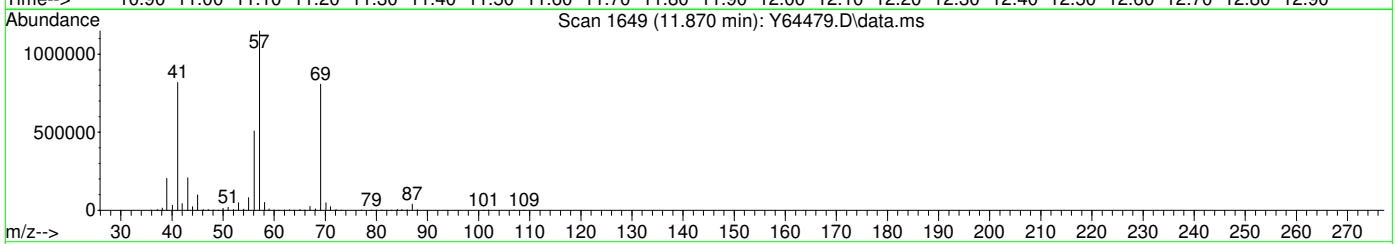
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	70.25
56.00	42.20	44.18
0.00	0.00	0.00

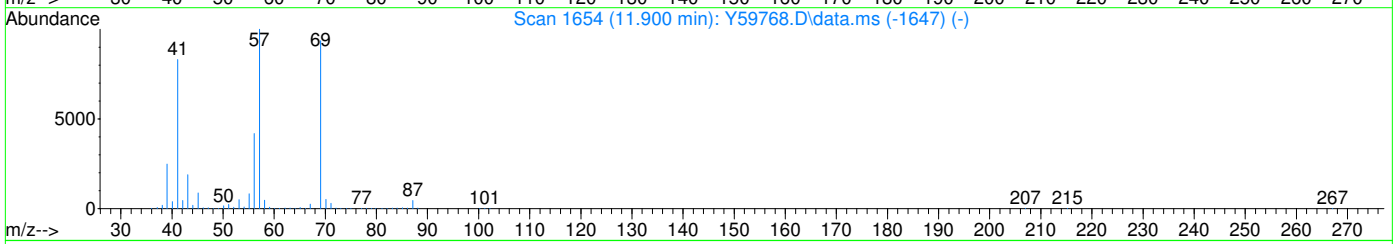
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64479.D
Acq On : 3 Sep 2022 8:44 pm
Operator : adelardl
Sample : FA98458-1MS 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 05 01:43:11 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64479.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (+0.001) 1236.69ug/L m

response 1369660

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	70.25
56.00	42.20	44.18
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 16:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,20
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 02:25:40 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.499	96	512345	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.151	117	463389	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.769	152	235736	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.598	113	113089	49.26	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.52%			
49) 1,2-Dichloroethane-d4	9.207	65	144688	51.60	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.20%			
63) Toluene-d8	10.934	98	550348	48.02	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.04%			
86) 4-Bromofluorobenzene	13.009	174	157754	44.08	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 88.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.843	85	83257	28.57	ug/L	92
3) Acrolein	5.581	56	90597	128.19	ug/L	96
4) Chloromethane	3.178	50	100756	31.57	ug/L	100
5) 1,3-butadiene	3.336	39	102265	35.15	ug/L	95
6) Vinyl Chloride	3.312	62	102877	28.84	ug/L	92
7) Bromomethane	3.829	94	8903	14.13	ug/L	97
8) Chloroethane	4.024	64	48153	39.47	ug/L	99
9) Trichlorofluoromethane	4.243	101	118181	31.41	ug/L	95
10) Ethyl Ether	4.747	59	59857	25.66	ug/L	96
11) Ethanol	5.009	45	32935	530.67	ug/L	97
12) 1,2-Dichlorotrifluoroe...	5.039	67	86804	33.65	ug/L	95
13) 1,1-Dichloroethene	5.046	61	100944	28.90	ug/L	96
14) Freon 113	5.106	101	57787	23.80	ug/L	93
15) Carbon Disulfide	5.100	76	145125	21.85	ug/L	99
16) Iodomethane	5.271	142	4996	9.07	ug/L	88
17) Allyl chloride	5.788	41	104830	31.86	ug/L	97
18) Methylene Chloride	5.958	49	116289	27.96	ug/L	96
19) Acetone	6.043	43	210631	143.09	ug/L	96
20) Methyl acetate	6.232	43	469117	140.75	ug/L	98
21) trans-1,2-Dichloroethene	6.214	61	99231	28.49	ug/L	91
22) Hexane	6.335	56	56556m	30.12	ug/L	
23) Methyl Tert Butyl Ether	6.378	73	244232	30.45	ug/L	95
24) Tert Butyl Alcohol	6.536	59	217171	261.33	ug/L	96
25) Acetonitrile	6.785	41	182444	278.38	ug/L	97
26) Di-isopropyl ether	6.986	45	242130	28.41	ug/L	98
27) Chloroprene	7.175	53	98676	130.22	ug/L	94
28) 1,1-Dichloroethane	7.217	63	135557	29.91	ug/L	99
29) Acrylonitrile	7.296	53	240760	135.52	ug/L	96
30) ETBE	7.576	59	213049	25.08	ug/L	95
31) Vinyl acetate	7.601	43	999250	146.38	ug/L	99
32) cis-1,2-Dichloroethene	8.026	96	86606	30.00	ug/L	93
33) 2,2-Dichloropropane	8.166	77	90711	24.14	ug/L	95
34) Bromochloromethane	8.294	128	30201	22.41	ug/L	88
35) Cyclohexane	8.288	56	139378	27.90	ug/L	96
36) Chloroform	8.379	83	124349	27.51	ug/L	96
37) Ethyl acetate	8.513	43	717737	139.46	ug/L	98
38) Tetrahydrofuran	8.586	42	55437	26.74	ug/L	95
40) Carbon Tetrachloride	8.556	117	76264	25.13	ug/L	91
41) 1,1,1-Trichloroethane	8.635	97	107692	27.24	ug/L	98
42) 2-Butanone	8.744	43	381820	139.55	ug/L	98
43) 1,1-Dichloropropene	8.781	75	100421	27.86	ug/L	93
44) tert-Butyl formate	8.896	59	280551	121.08	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,20
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 02:25:40 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	9.079	54	231670	276.55	ug/L		96
46) Methacrylonitrile	9.103	41	725604	266.11	ug/L		98
47) Benzene	9.061	78	322841	27.54	ug/L		98
48) TAME	9.170	73	293001	35.31	ug/L		97
50) Isobutyl Alcohol	9.274	42	128495	565.83	ug/L		97
51) 1,2-Dichloroethane	9.280	62	95418	25.80	ug/L		95
52) Tert Amyl Alcohol	9.377	59	197704m	277.68	ug/L		
53) Trichloroethene	9.675	95	79395	27.97	ug/L		94
54) Methylcyclohexane	9.663	83	149323	30.11	ug/L		97
55) Dibromomethane	10.089	93	41297	25.77	ug/L		81
56) 1,2-Dichloropropane	10.174	63	76047	27.04	ug/L		92
57) Bromodichloromethane	10.229	83	80452	26.82	ug/L		97
58) Methyl methacrylate	10.344	41	86434	27.31	ug/L		97
59) 1,4-Dioxane	10.411	88	40479	654.79	ug/L		94
60) 2-Chloroethyl vinyl ether	10.709	63	101148	128.07	ug/L		96
61) cis-1,3-Dichloropropene	10.782	75	105451	26.49	ug/L		99
64) Toluene	10.977	91	342735	24.19	ug/L		100
65) 2-Nitropropane	11.172	41	171072	121.54	ug/L		97
66) 4-Methyl-2-pentanone	11.263	43	732984	129.80	ug/L		98
67) trans-1,3-Dichloropropene	11.312	75	98626	25.58	ug/L		86
68) Tetrachloroethene	11.299	166	126428	36.92	ug/L		87
69) Ethyl methacrylate	11.397	69	107091	23.19	ug/L		91
70) 1,1,2-Trichloroethane	11.439	83	61383	24.91	ug/L		95
71) Dibromochloromethane	11.591	129	52769	19.95	ug/L		94
72) 1,3-Dichloropropane	11.658	76	123583	22.98	ug/L		99
73) 1,2-Dibromoethane	11.792	107	68497	22.51	ug/L		96
74) 3,3-dimethyl-1-butanol	11.871	57	1381307m	1171.10	ug/L		
75) 2-hexanone	11.902	43	591364	143.36	ug/L		98
76) 1-Chlorohexane	12.108	91	113766	26.69	ug/L		89
77) Ethylbenzene	12.157	91	393425	25.21	ug/L		98
78) Chlorobenzene	12.163	112	202631	23.29	ug/L		97
79) 1,1,1,2-Tetrachloroethane	12.200	131	58557	21.20	ug/L		86
80) m,p-Xylene	12.254	91	596786	49.48	ug/L		96
81) o-Xylene	12.571	91	291286	25.16	ug/L		97
82) Styrene	12.607	104	207434	24.58	ug/L		97
83) Bromoform	12.662	173	29885	17.55	ug/L		95
84) Isopropylbenzene	12.778	105	367161	24.94	ug/L		96
87) cis-1,4-Dichloro-2-butene	13.033	53	12607	9.22	ug/L	#	79
88) n-Propylbenzene	13.064	91	455204	26.31	ug/L		92
89) Bromobenzene	13.094	156	65947	19.11	ug/L	#	57
90) 1,1,2,2-Tetrachloroethane	13.118	83	121414	25.23	ug/L		96
91) 1,3,5-Trimethylbenzene	13.179	105	286988	24.28	ug/L		98
92) 2-Chlorotoluene	13.203	91	277878	24.73	ug/L		96
93) trans-1,4-Dichloro-2-B...	13.240	53	12903	10.16	ug/L	#	10
94) 1,2,3-Trichloropropane	13.234	110	36004	22.28	ug/L		97
95) Cyclohexanone	13.289	55	40723	130.81	ug/L		90
96) 4-Chlorotoluene	13.313	91	250885	25.09	ug/L		99
97) tert-Butylbenzene	13.410	91	164957	25.33	ug/L		91
98) 1,2,4-Trimethylbenzene	13.453	105	286746	24.71	ug/L		92
99) Pentachloroethane	13.459	167	37402	20.99	ug/L	#	56
100) sec-Butylbenzene	13.532	105	381979	27.04	ug/L		98
101) 4-Isopropyltoluene	13.611	119	302001	25.44	ug/L		97
102) 1,3-Dichlorobenzene	13.727	146	129978	20.93	ug/L		93
103) 1,2,3-Trimethylbenzene	13.763	105	298669	25.46	ug/L		98
104) 1,4-Dichlorobenzene	13.781	146	137687	20.91	ug/L		96
105) n-Butylbenzene	13.897	92	142182	24.14	ug/L		95
106) Benzyl Chloride	13.933	126	23476	12.58	ug/L	#	84
107) 1,2-Dichlorobenzene	14.073	146	126975	20.91	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,20
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 02:25:40 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

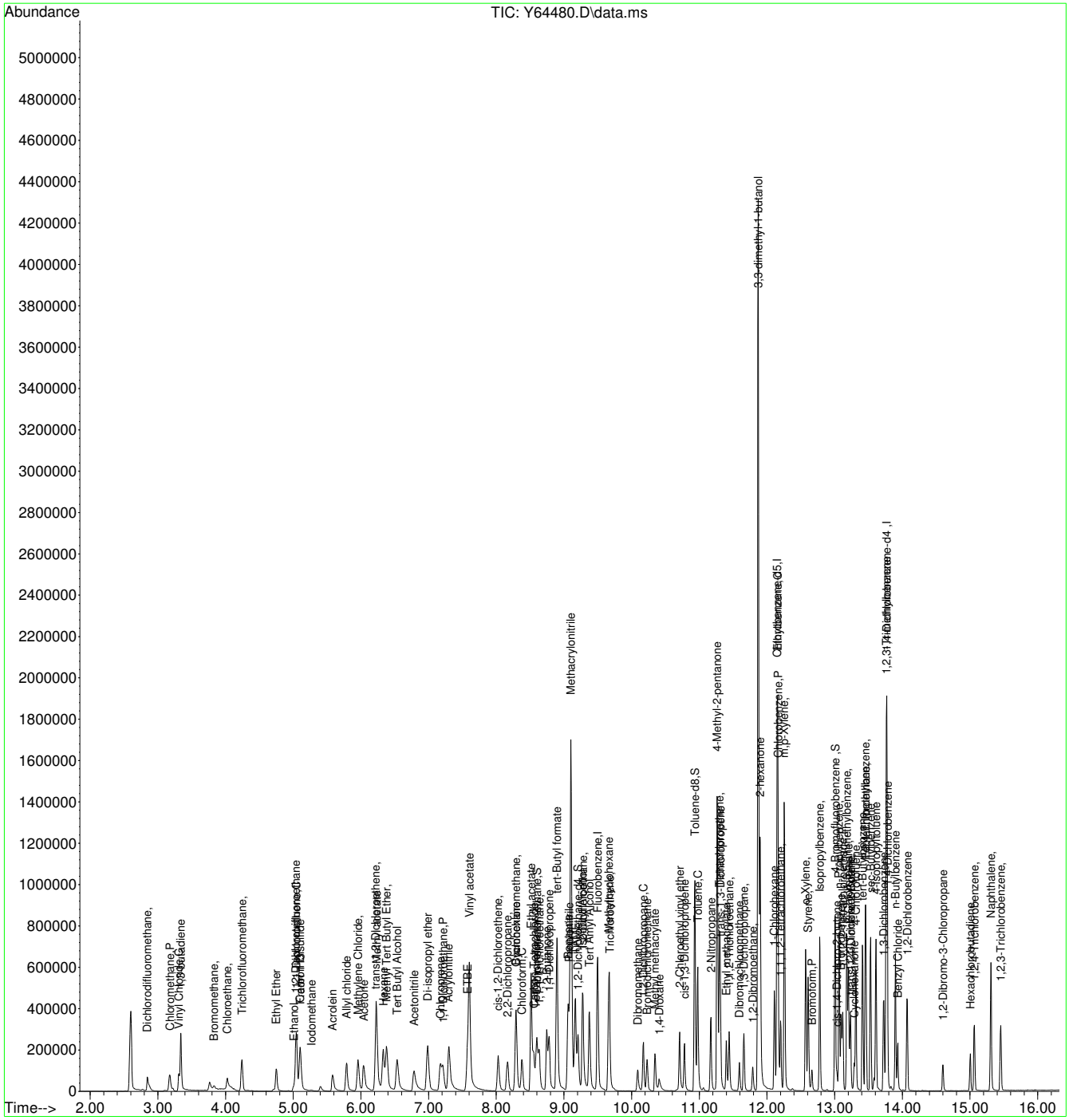
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.603	75	24478	21.84	ug/L	86
109) Hexachlorobutadiene	15.004	225	21281	19.16	ug/L	82
110) 1,2,4-Trichlorobenzene	15.065	180	71309	17.96	ug/L	97
111) Naphthalene	15.308	128	365488	21.37	ug/L	100
112) 1,2,3-Trichlorobenzene	15.454	180	72812	18.30	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,20
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 02:25:40 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



Manual Integration Approval Summary

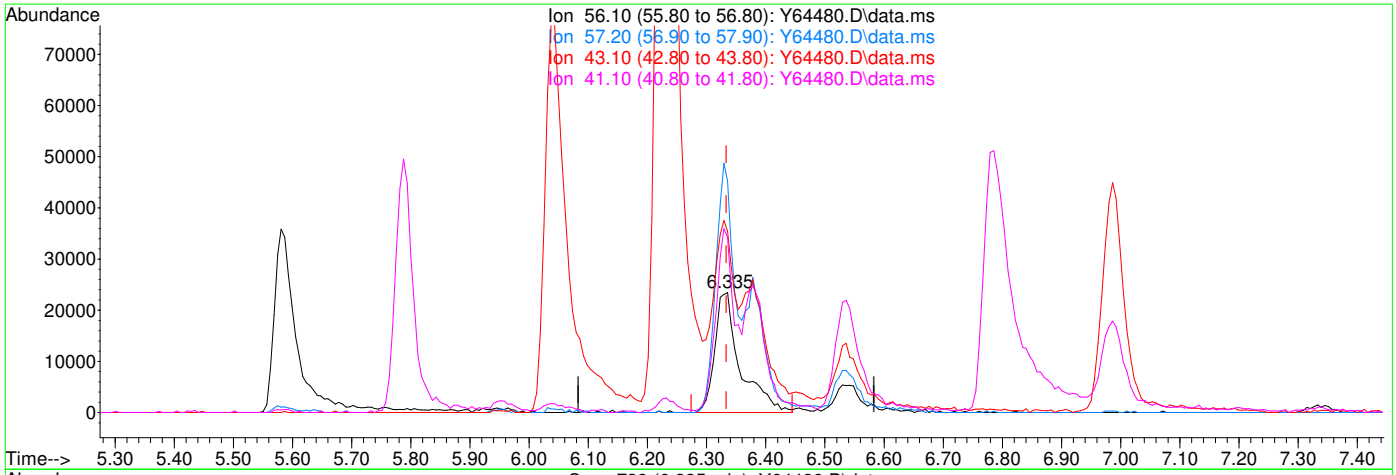
Sample Number: FA98458-1MSD
Lab FileID: Y64480.D
Injection Time: 09/03/22 21:09
Method: SW846 8260D
Analyst approved: 09/07/22 10:29 Adelard Lefebvre
Supervisor approved: 09/07/22 16:38 Karen Watson

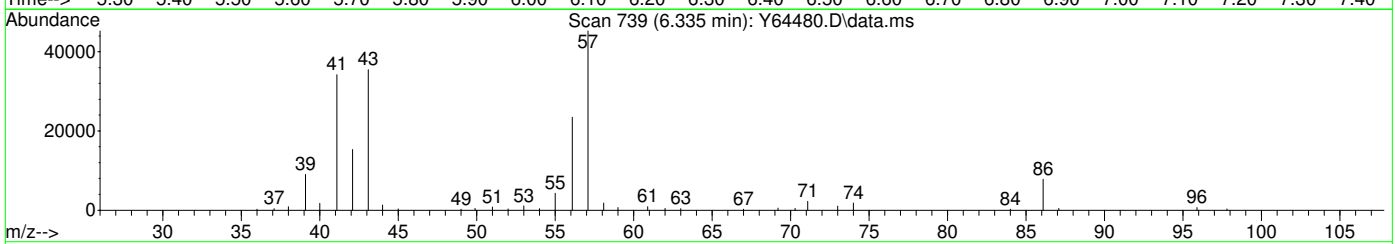
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.34	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

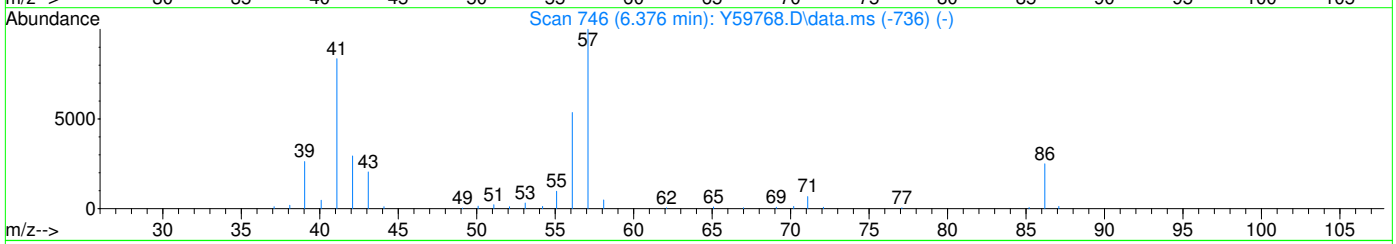
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 01:43:15 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64480.D\data.ms

(22) Hexane

6.335min (+0.002) 37.73ug/L

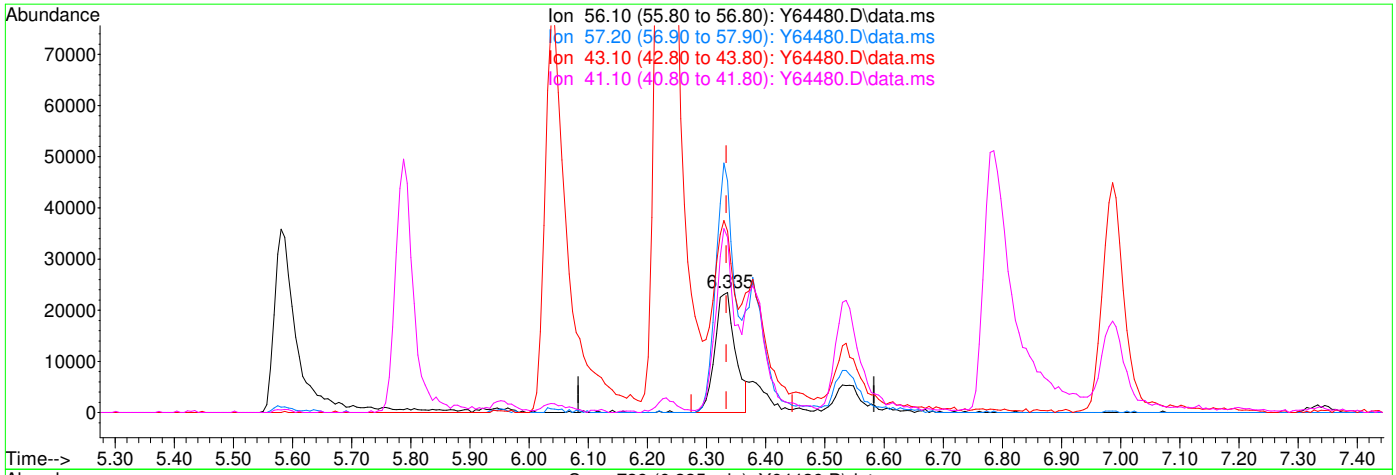
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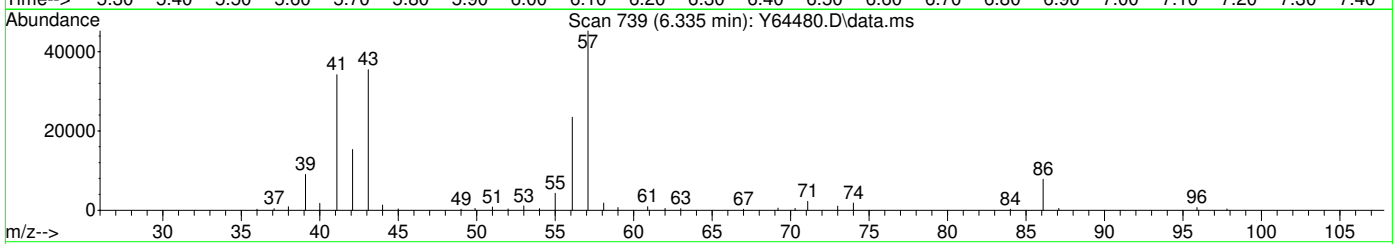
Ion	Exp%	Act%
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57.20	192.30	192.81
43.10	151.00	134.48
41.10	129.70	143.71

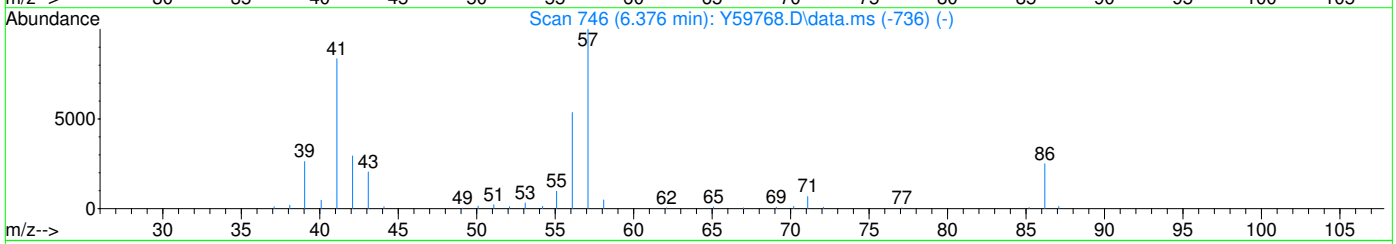
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 01:43:15 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64480.D\data.ms

(22) Hexane

6.335min (+0.002) 30.12ug/L m

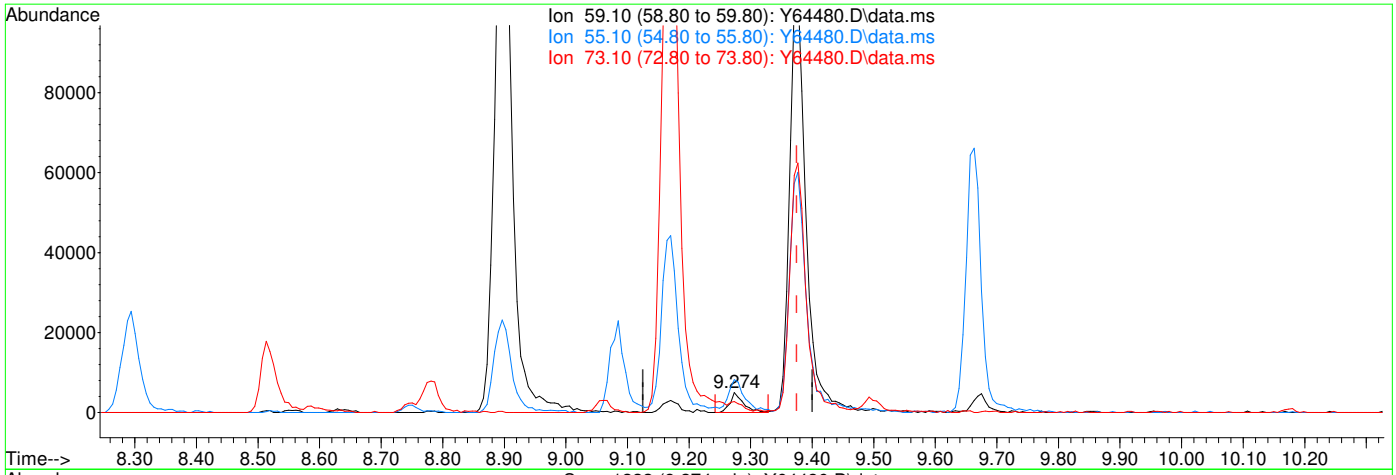
response 56556

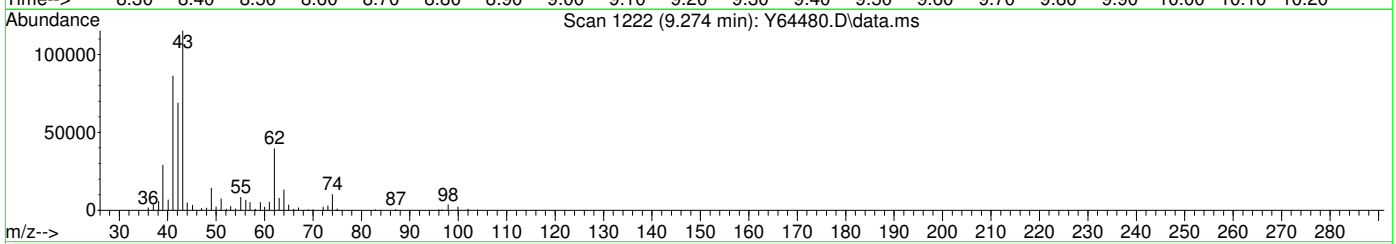
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	192.81
43.10	151.00	151.02
41.10	129.70	145.74

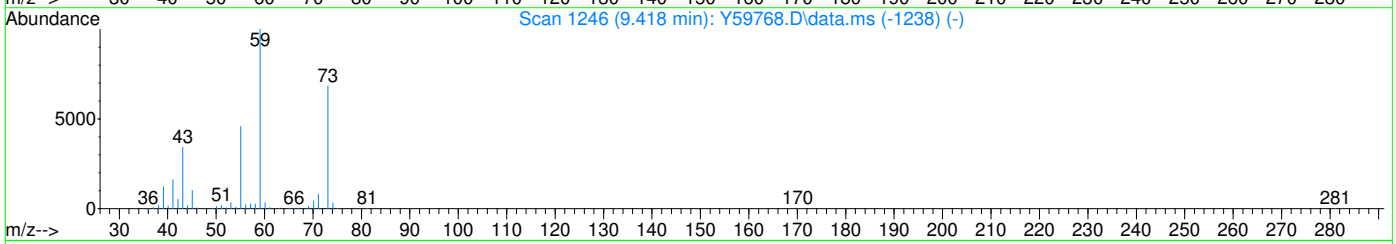
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 02:24:25 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64480.D\data.ms

(52) Tert Amyl Alcohol

9.274min (-0.101) 12.34ug/L

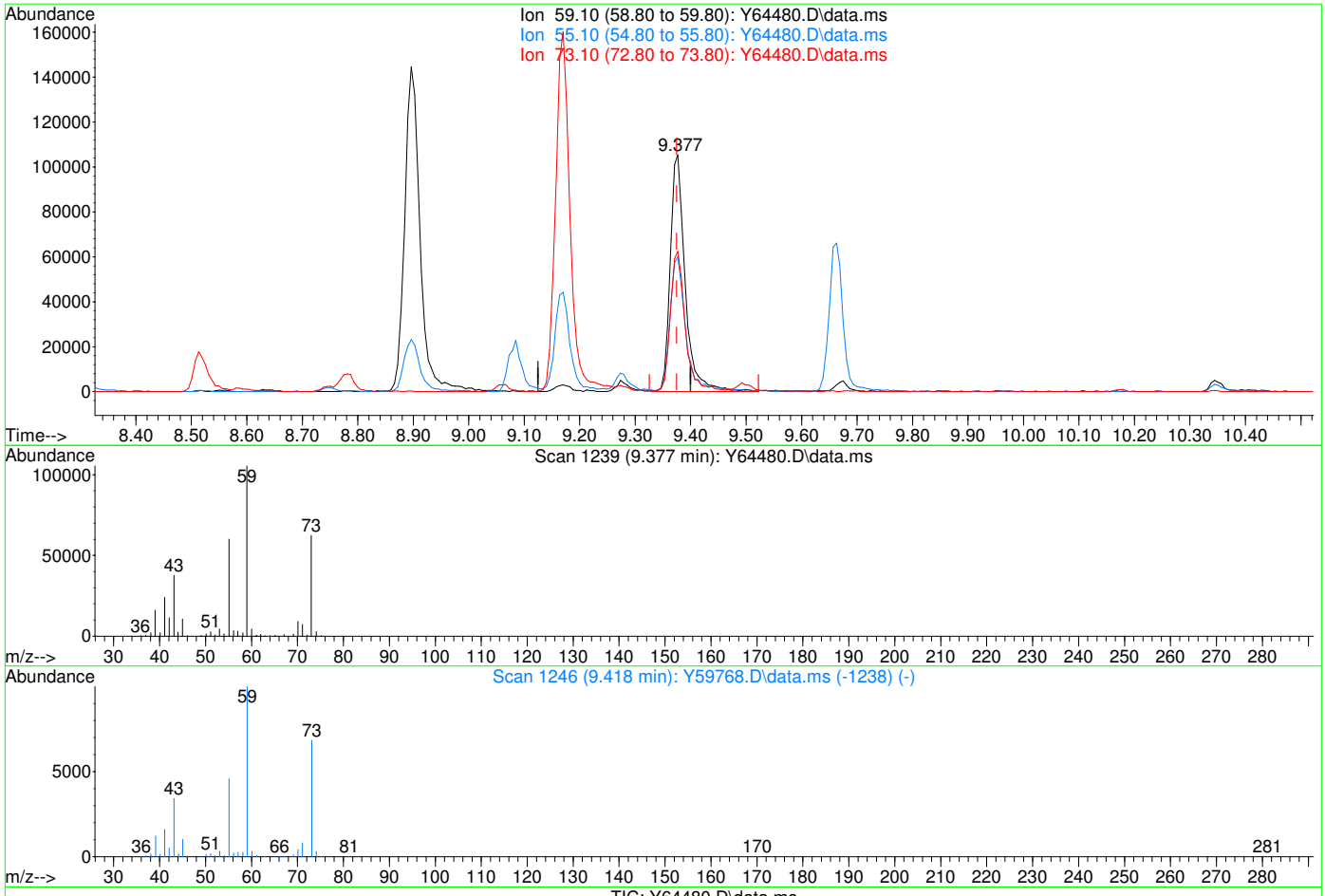
response 7744

Ion	Exp%	Act%
59.10	100	100
55.10	51.70	147.14#
73.10	59.00	45.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 02:24:25 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



TIC: Y64480.D\data.ms

(52) Tert Amyl Alcohol

9.377min (+0.002) 277.68ug/L m

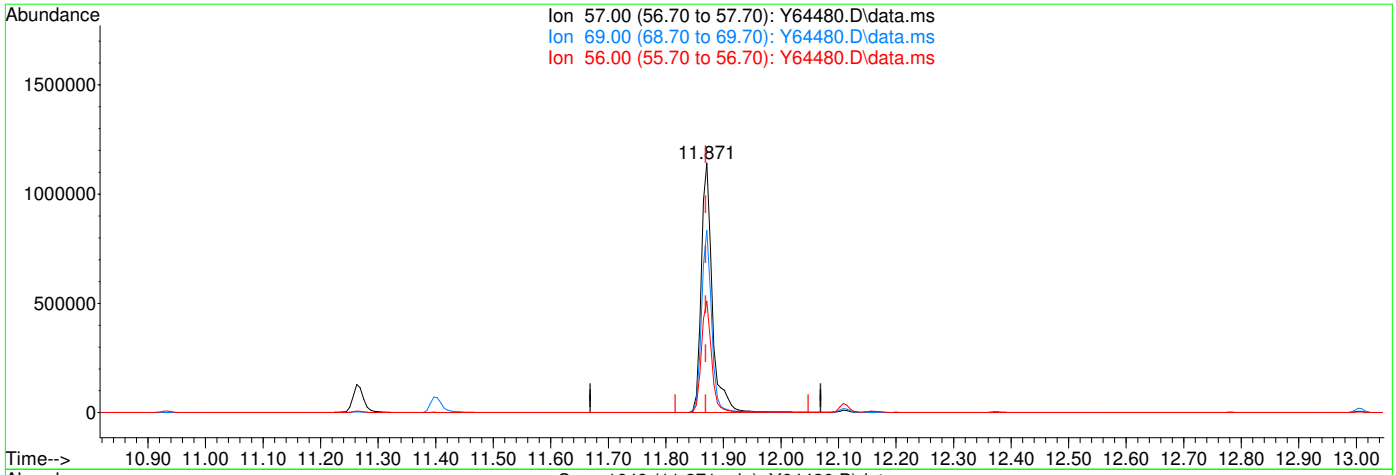
response 197704

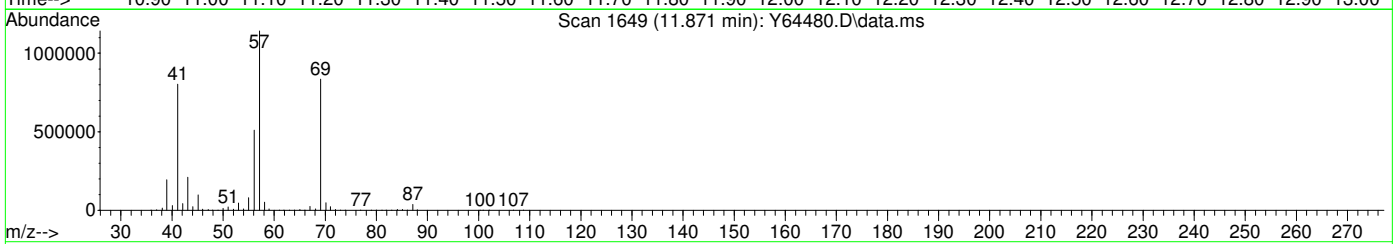
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	56.97
73.10	59.00	59.19
0.00	0.00	0.00

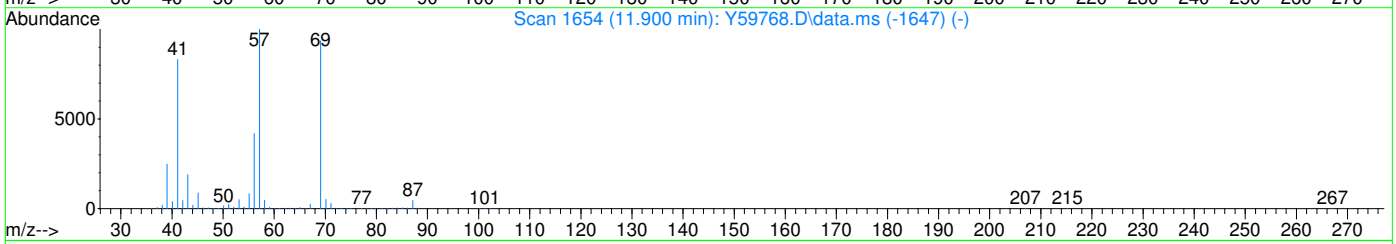
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 02:24:25 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64480.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.871min (+0.002) 1289.64ug/L

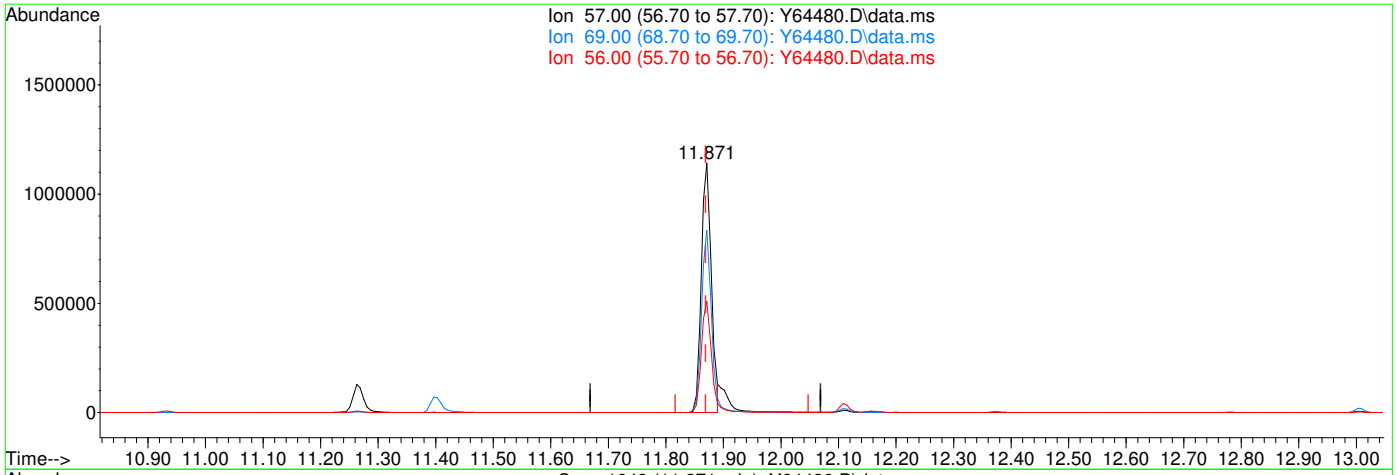
response 1537053

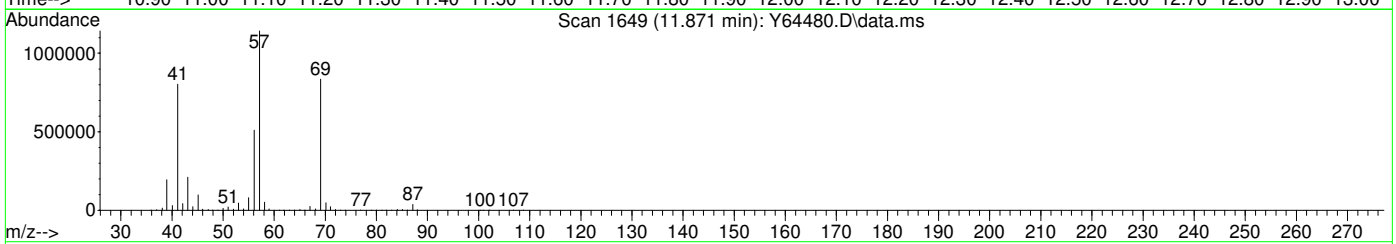
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	73.00
56.00	42.20	44.54
0.00	0.00	0.00

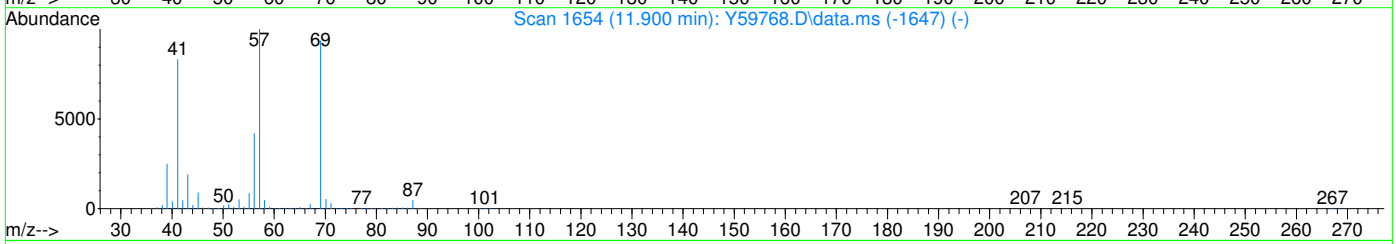
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 02:24:25 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64480.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.871min (+0.002) 1171.10ug/L m

response 1381307

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	73.00
56.00	42.20	44.57
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 02:12:31 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.718	96	1062392	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.642	117	844923	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.331	152	407740	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.263	113	227511	50.39	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.78%			
49) 1,2-Dichloroethane-d4	3.551	65	315057	50.23	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.46%			
63) Toluene-d8	4.649	98	1067921	45.93	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 91.86%			
86) 4-Bromofluorobenzene	6.494	174	312286	49.10	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.120	85	107182	36.55	ug/L	97
3) Chloromethane	1.251	50	110390	34.07	ug/L	96
4) 1,3-butadiene	1.319	39	139459	46.31	ug/L	98
5) Vinyl Chloride	1.303	62	139816	35.40	ug/L	99
6) Bromomethane	1.507	94	62992	25.77	ug/L	98
7) Chloroethane	1.580	64	38790	30.08	ug/L	96
8) Trichlorofluoromethane	1.669	101	154927	38.65	ug/L	99
9) Ethyl Ether	1.878	59	97324	26.33	ug/L	99
10) Ethanol	1.967	45	63397	578.11	ug/L	98
11) 1,2-Dichlorotrifluoroe...	1.977	67	122194	35.34	ug/L	99
12) 1,1-Dichloroethene	1.983	61	153514	30.40	ug/L	97
13) Freon 113	2.014	101	90797	28.76	ug/L	97
14) Carbon Disulfide	1.998	76	161173	20.06	ug/L	95
15) Iodomethane	2.061	142	45484	21.94	ug/L	98
16) Acrolein	2.155	56	154089	113.98	ug/L	100
17) Allyl chloride	2.249	41	111065	30.58	ug/L	96
18) Methylene Chloride	2.301	49	134339	24.45	ug/L	98
19) Acetone	2.317	43	354059	145.17	ug/L	97
20) Methyl acetate	2.396	43	653931	132.29	ug/L	97
21) trans-1,2-Dichloroethene	2.401	61	152416	29.79	ug/L	98
22) Hexane	2.469	56	83470	33.20	ug/L	96
23) Methyl Tert Butyl Ether	2.469	73	361020	30.96	ug/L	98
24) Tert Butyl Alcohol	2.505	59	472642	327.74	ug/L	93
25) Acetonitrile	2.552	41	215890	263.92	ug/L	99
26) Di-isopropyl ether	2.688	45	315092	29.10	ug/L	98
27) Chloroprene	2.730	53	551815	35.78	ug/L	92
28) 1,1-Dichloroethane	2.730	63	206747	30.73	ug/L	99
29) Acrylonitrile	2.730	52	362978	148.86	ug/L	82
30) ETBE	2.882	59	327766	25.84	ug/L	99
31) Vinyl acetate	2.861	43	1004604	115.15	ug/L	100
32) cis-1,2-Dichloroethene	3.023	96	123271	30.72	ug/L	98
33) 2,2-Dichloropropane	3.086	77	103824	20.51	ug/L	99
34) Bromochloromethane	3.128	128	47604	26.25	ug/L	97
35) Cyclohexane	3.164	56	198921	31.67	ug/L	98
36) Chloroform	3.169	83	198939	29.47	ug/L	99
37) Ethyl acetate	3.227	43	809183	122.62	ug/L	99
38) Tetrahydrofuran	3.258	42	75339	29.90	ug/L	98
40) Carbon Tetrachloride	3.269	117	114299m	27.80	ug/L	
41) 1,1,1-Trichloroethane	3.295	97	169120	29.28	ug/L	98
42) 2-Butanone	3.316	43	593160	144.20	ug/L	98
43) 1,1-Dichloropropene	3.363	75	150310	29.67	ug/L	99
44) tert-Butyl formate	3.394	59	3397	1.36	ug/L #	30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 02:12:31 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.462	54	372479	286.80	ug/L		99
46) Methacrylonitrile	3.483	41	1013861	292.24	ug/L		99
47) Benzene	3.493	78	474302	29.33	ug/L		97
48) TAME	3.567	73	389106	33.74	ug/L		94
50) Isobutyl alcohol	3.588	43	392039m	590.05	ug/L		
51) 1,2-Dichloroethane	3.588	62	165592	28.61	ug/L		99
52) Tert Amyl Alcohol	3.650	59	281591	232.73	ug/L		86
53) Trichloroethene	3.828	95	118217	28.40	ug/L		99
54) Methylcyclohexane	3.844	83	178336	32.23	ug/L		98
55) Dibromomethane	4.053	93	62266	27.24	ug/L		89
56) 1,2-Dichloropropane	4.110	63	108371	27.59	ug/L		94
57) Bromodichloromethane	4.147	83	109676	26.27	ug/L		99
58) Methyl methacrylate	4.236	41	119948	27.49	ug/L		97
59) 1,4-Dioxane	4.257	88	73398	594.57	ug/L		96
61) cis-1,3-Dichloropropene	4.523	75	129224	23.97	ug/L		96
64) Toluene	4.680	91	504436	25.29	ug/L		99
65) 2-Nitropropane	4.780	41	117067	81.18	ug/L		97
66) 4-Methyl-2-pentanone	4.889	43	973790	126.54	ug/L		98
67) trans-1,3-Dichloropropene	4.921	75	135454	24.04	ug/L		85
68) Tetrachloroethene	4.936	166	111771	26.38	ug/L		98
69) Ethyl methacrylate	5.031	69	166878	24.01	ug/L		97
70) 1,1,2-Trichloroethane	5.020	83	88321	25.88	ug/L		96
71) Dibromochloromethane	5.140	129	77438	22.62	ug/L		97
72) 1,3-Dichloropropane	5.198	76	176517	23.27	ug/L		97
73) 1,2-Dibromoethane	5.297	107	104023	25.22	ug/L		92
74) 3,3-dimethyl-1-butanol	5.417	57	1748393	1021.16	ug/L		97
75) 2-hexanone	5.433	43	1063843	123.13	ug/L	#	65
76) 1-Chlorohexane	5.653	91	157729m	24.79	ug/L		
77) Ethylbenzene	5.684	91	570893	26.10	ug/L		100
78) Chlorobenzene	5.658	112	306770	25.68	ug/L		94
79) 1,1,1,2-Tetrachloroethane	5.700	131	90856	24.61	ug/L		97
80) m,p-Xylene	5.783	91	889481	51.41	ug/L		99
81) o-Xylene	6.076	91	452170	26.55	ug/L		98
82) Styrene	6.113	104	340762	26.16	ug/L		97
83) Bromoform	6.118	173	38138	21.02	ug/L		99
84) Isopropylbenzene	6.311	105	524537	26.70	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.526	53	31827	14.73	ug/L	#	68
88) n-Propylbenzene	6.609	91	618144	24.71	ug/L		99
89) Bromobenzene	6.573	156	119289	23.58	ug/L		93
90) 1,1,2,2-Tetrachloroethane	6.630	83	163912	24.29	ug/L		99
91) 1,3,5-Trimethylbenzene	6.756	105	419395	24.08	ug/L		100
92) 2-Chlorotoluene	6.714	91	363720	24.09	ug/L		99
93) trans-1,4-Dichloro-2-B...	6.761	53	43051	14.88	ug/L	#	80
94) 1,2,3-Trichloropropane	6.724	110	58164	23.11	ug/L		97
95) Cyclohexanone	6.745	55	57646	109.38	ug/L		97
96) 4-Chlorotoluene	6.834	91	382256	24.02	ug/L		98
97) tert-Butylbenzene	6.996	91	238549	24.94	ug/L		96
99) 1,2,4-Trimethylbenzene	7.048	105	415465	24.45	ug/L		97
100) Pentachloroethane	6.996	167	51089	24.69	ug/L	#	82
101) sec-Butylbenzene	7.132	105	495761	26.77	ug/L		100
102) 4-Isopropyltoluene	7.247	119	428983	26.45	ug/L		98
103) 1,3-Dichlorobenzene	7.279	146	228278	25.12	ug/L		99
104) 1,2,3-Trimethylbenzene	7.373	105	428333	25.13	ug/L		100
105) 1,4-Dichlorobenzene	7.347	146	230928	24.32	ug/L		96
106) n-Butylbenzene	7.561	92	182515	23.09	ug/L		100
107) Benzyl Chloride	7.524	126	16251	9.47	ug/L		95
108) 1,2-Dichlorobenzene	7.650	146	208440	24.44	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	8.204	75	30207	20.27	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 02:12:31 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

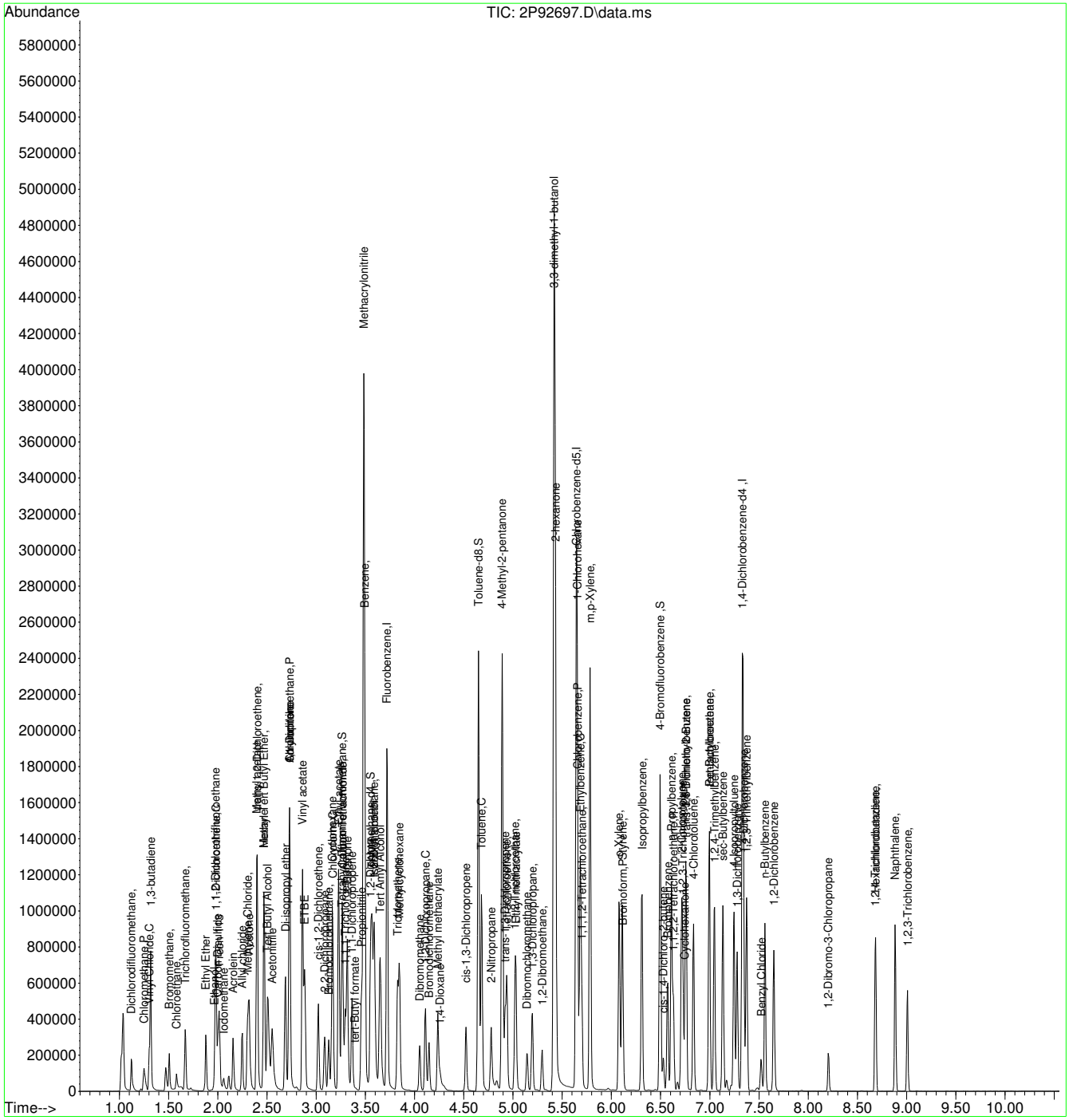
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) Hexachlorobutadiene	8.685	225	38386	25.13	ug/L	97
111) 1,2,4-Trichlorobenzene	8.680	180	106364	23.44	ug/L	98
112) Naphthalene	8.884	128	434408	23.32	ug/L	100
113) 1,2,3-Trichlorobenzene	9.009	180	101126	23.75	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 02:12:31 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

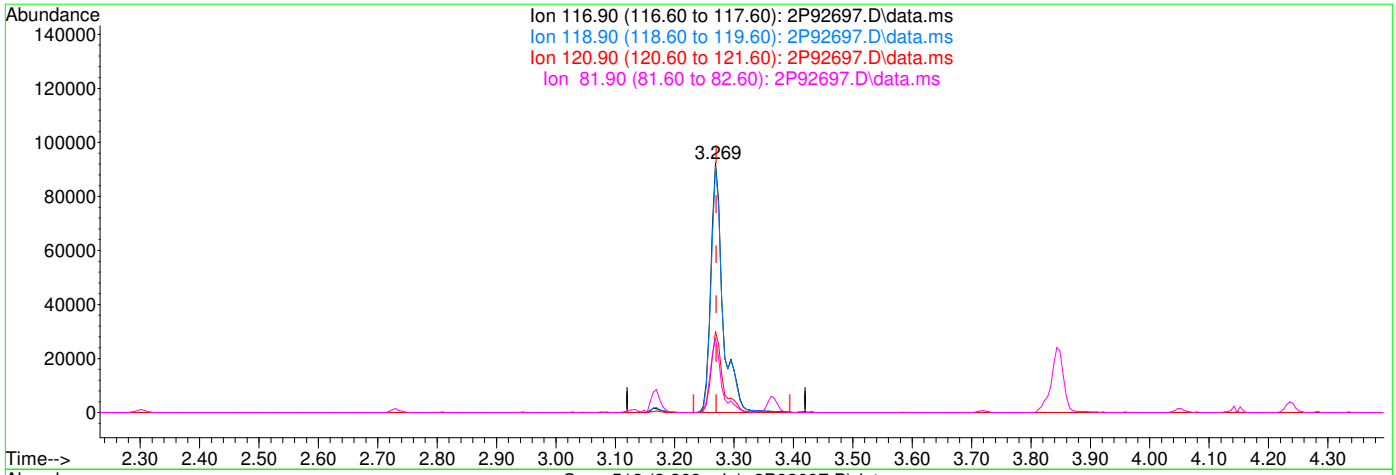
Sample Number: FA98431-6MS
Lab FileID: 2P92697.D
Injection Time: 09/06/22 22:17
Method: SW846 8260D
Analyst approved: 09/07/22 09:26 Courtney Failla
Supervisor approved: 09/07/22 12:11 Karen Watson

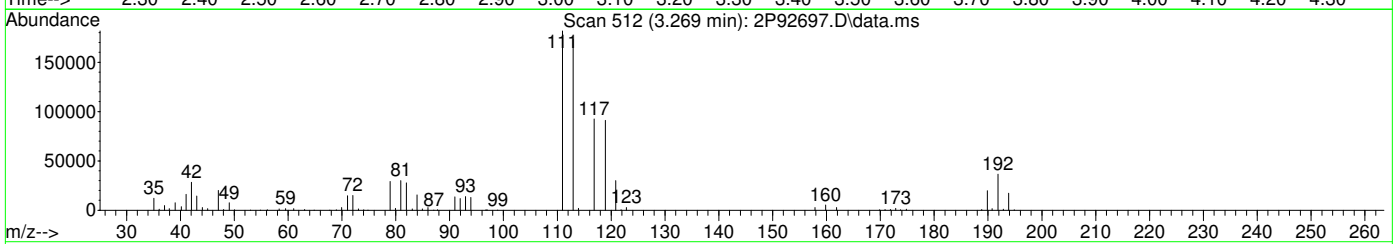
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

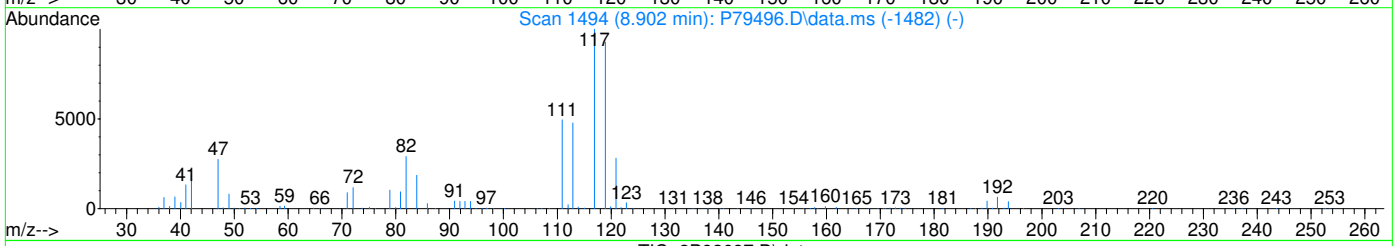
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 01:48:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92697.D\data.ms

(40) Carbon Tetrachloride ( )

3.269min (-0.001) 32.00ug/L

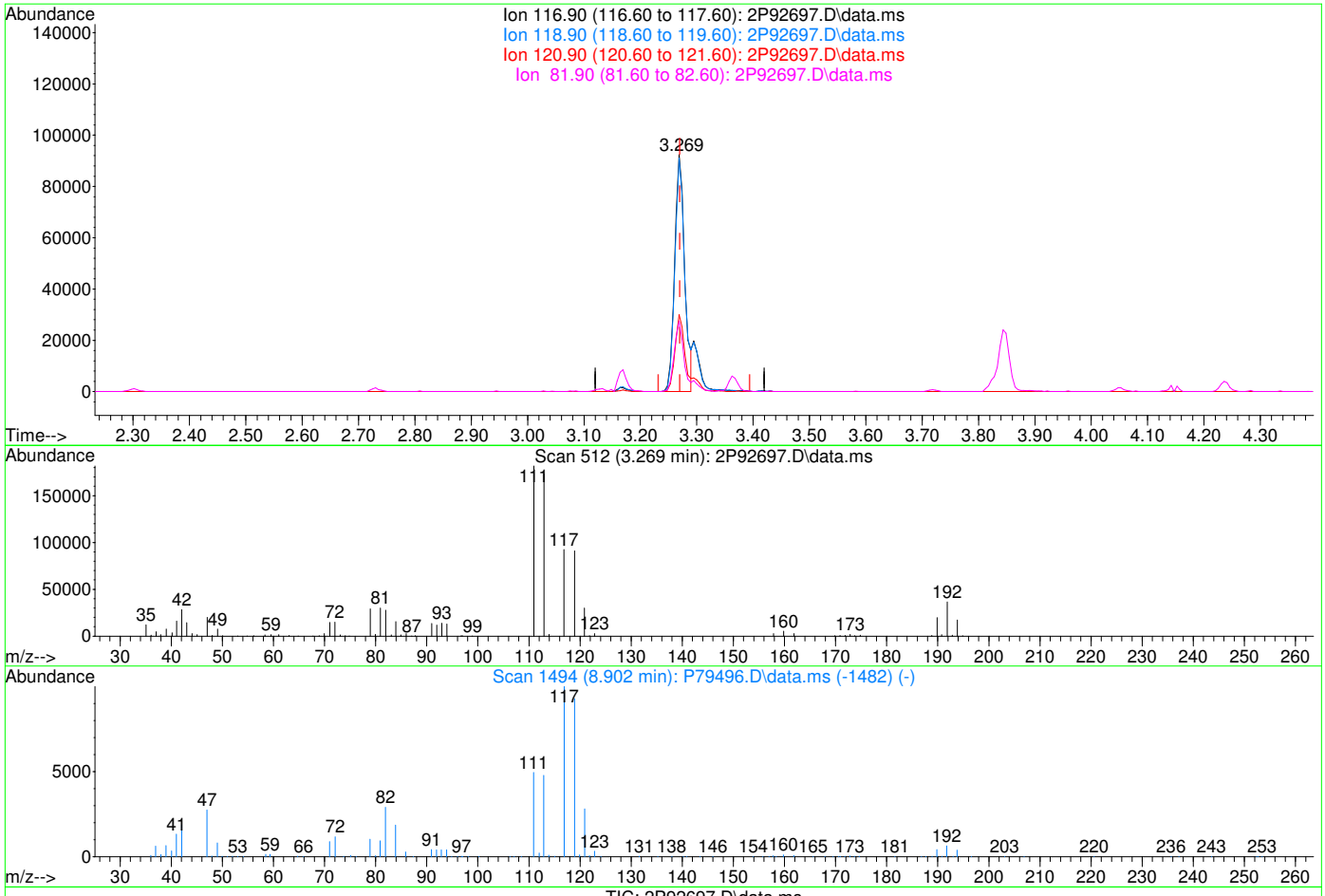
response 133396

Ion	Exp%	Act%
116.90	100	100
118.90	98.00	98.52
120.90	29.50	32.50
81.90	28.30	29.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 01:48:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



TIC: 2P92697.D\data.ms

(40) Carbon Tetrachloride ( )

3.269min (-0.001) 27.80ug/L m

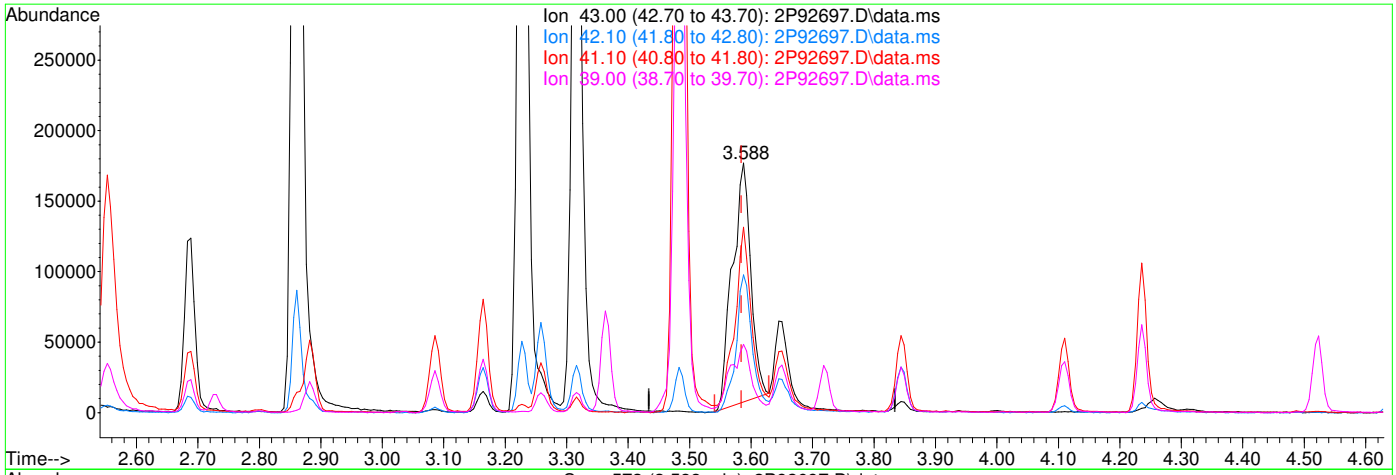
response 114299

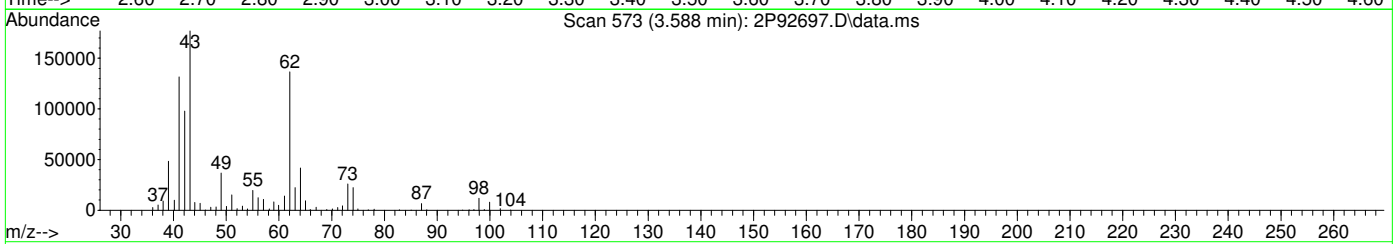
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	98.52
120.90	29.50	32.50
81.90	28.30	29.85

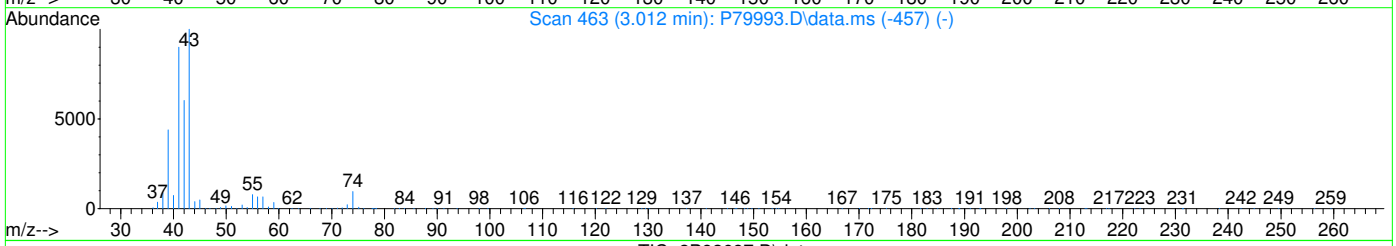
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 01:48:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92697.D\data.ms

(50) Isobutyl alcohol

3.588min (+0.004) 533.13ug/L

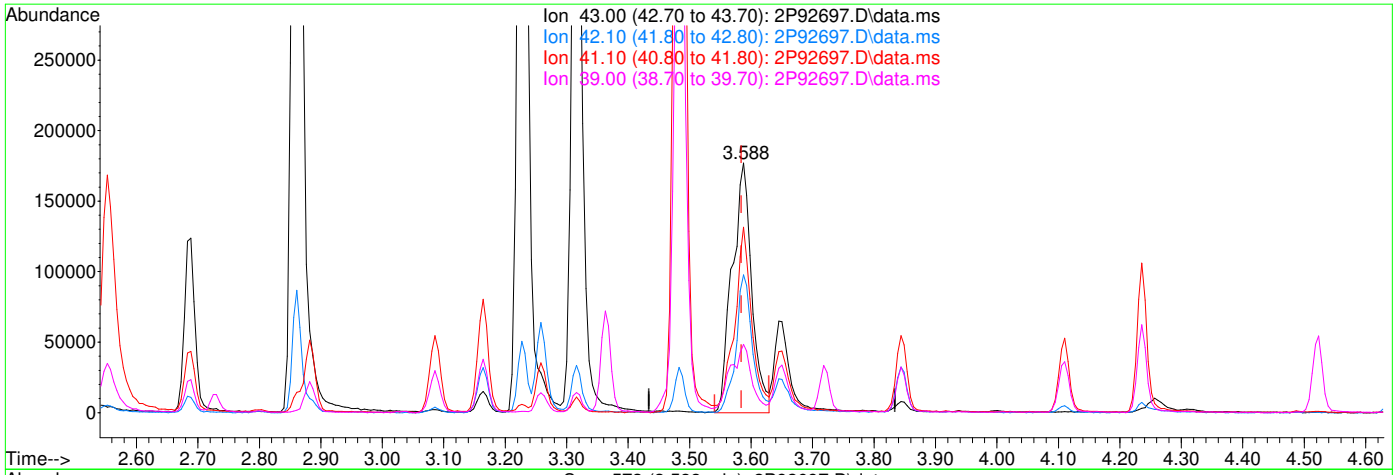
response 354218

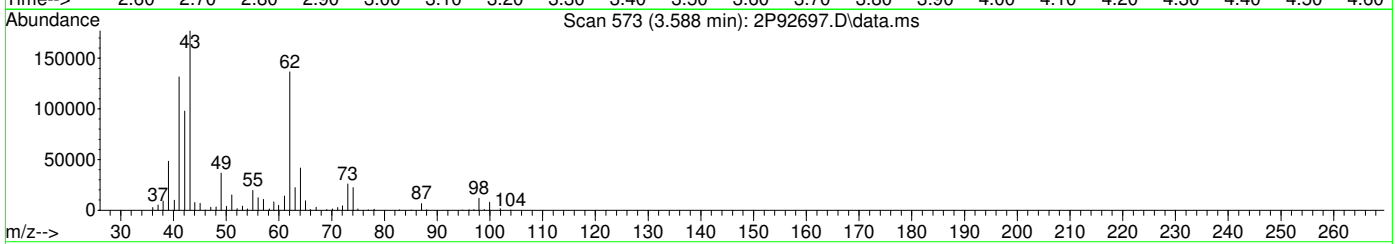
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	55.18
41.10	70.00	71.65
39.00	27.50	25.58

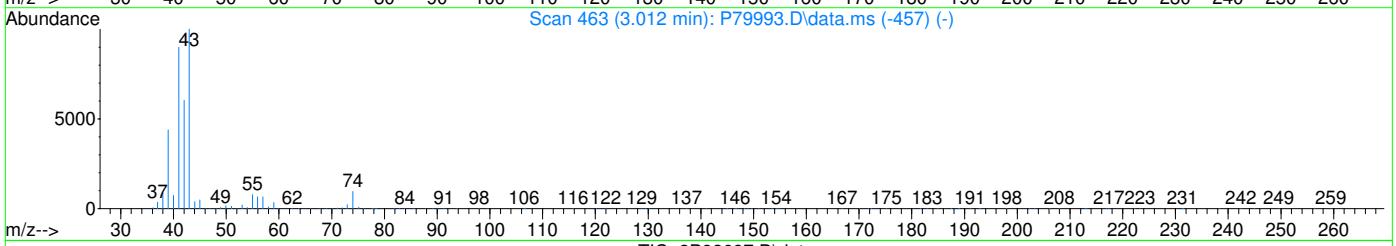
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 01:48:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92697.D\data.ms

(50) Isobutyl alcohol

3.588min (+0.004) 590.05ug/L m

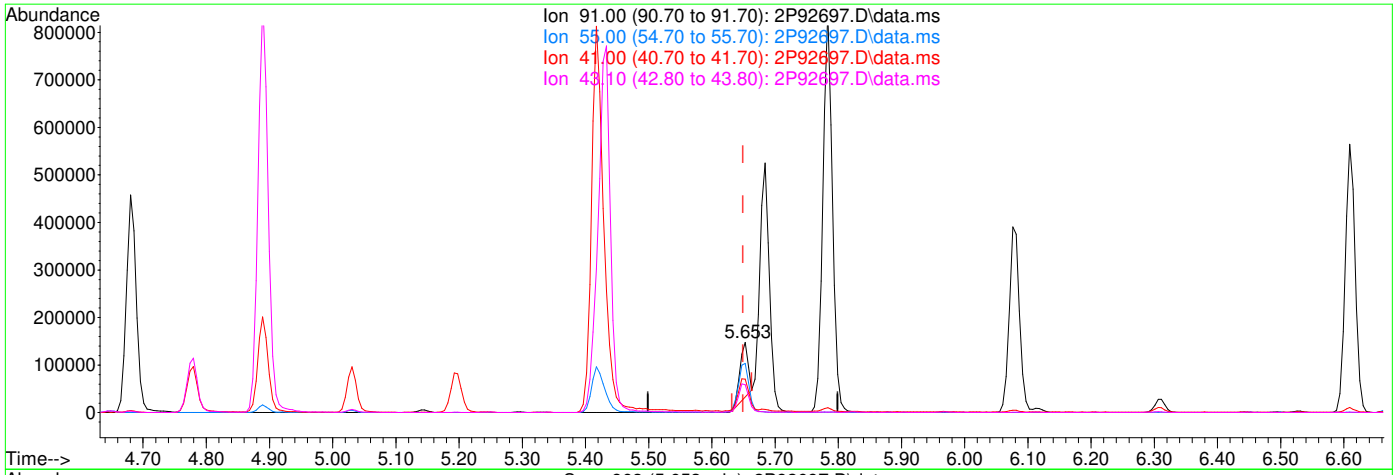
response 392039

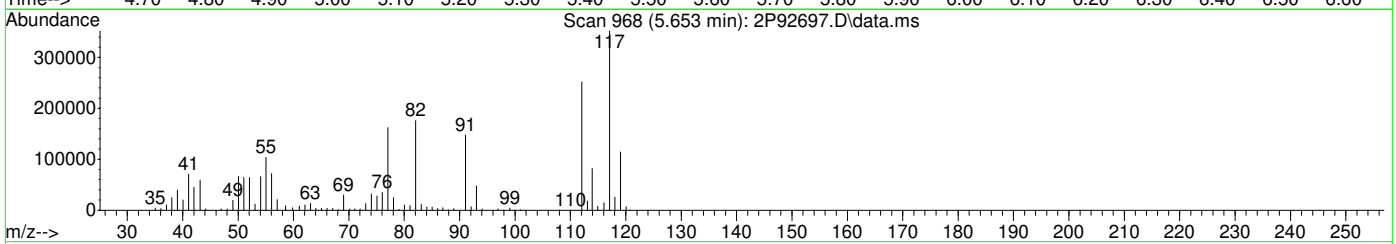
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	55.20
41.10	70.00	74.30
39.00	27.50	27.32

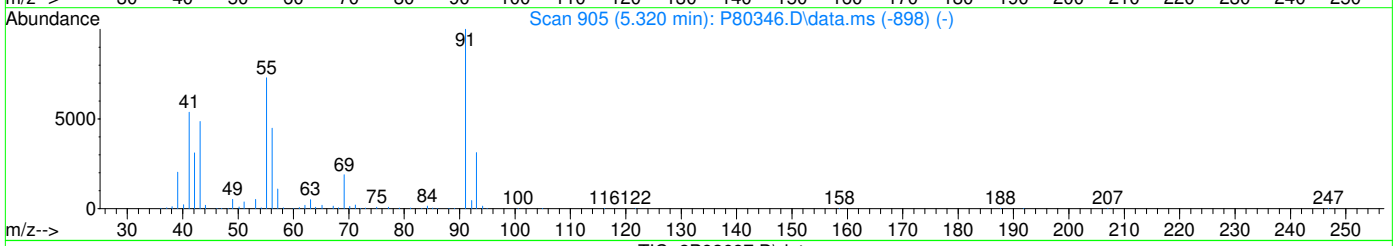
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 01:48:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92697.D\data.ms

(76) 1-Chlorohexane

5.653min (+0.004) 17.23ug/L

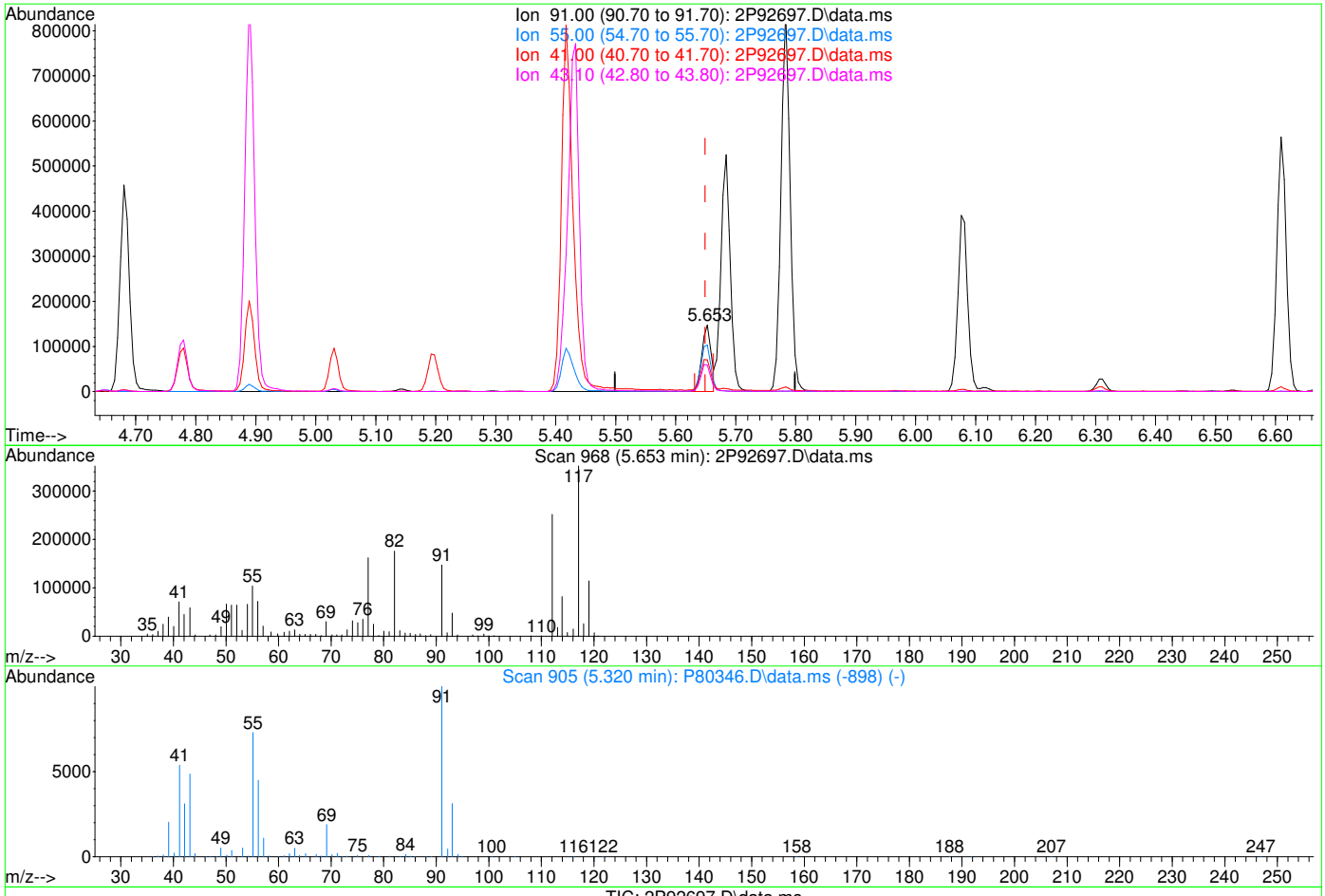
response 109587

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	67.80
41.00	53.40	44.79
43.10	41.30	38.89

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 01:48:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
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Response via : Initial Calibration



TIC: 2P92697.D\data.ms

(76) 1-Chlorohexane

5.653min (+0.004) 24.79ug/L m

response 157729

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	70.24
41.00	53.40	47.84
43.10	41.30	39.90

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 02:17:06 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.720	96	1091701	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.644	117	868837	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	420430	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.265	113	237720	51.23	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.46%				
49) 1,2-Dichloroethane-d4	3.553	65	321803	49.93	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.86%				
63) Toluene-d8	4.651	98	1093225	45.73	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 91.46%				
86) 4-Bromofluorobenzene	6.496	174	320459	48.87	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.74%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.122	85	109166	36.22	ug/L		100
3) Chloromethane	1.247	50	113794	34.17	ug/L		93
4) 1,3-butadiene	1.315	39	153519	49.61	ug/L		95
5) Vinyl Chloride	1.305	62	140753	34.69	ug/L		99
6) Bromomethane	1.509	94	62918	25.05	ug/L		96
7) Chloroethane	1.582	64	41124	31.09	ug/L		99
8) Trichlorofluoromethane	1.671	101	156516	37.74	ug/L		100
9) Ethyl Ether	1.880	59	101163	26.64	ug/L		99
10) Ethanol	1.969	45	64575	572.58	ug/L		99
11) 1,2-Dichlorotrifluoroe...	1.974	67	122262	34.41	ug/L		97
12) 1,1-Dichloroethene	1.979	61	160899	31.01	ug/L		96
13) Freon 113	2.016	101	97735	30.05	ug/L		97
14) Carbon Disulfide	2.000	76	175247	21.14	ug/L		97
15) Iodomethane	2.058	142	59473	27.27	ug/L		98
16) Acrolein	2.157	56	154932	111.53	ug/L		100
17) Allyl chloride	2.246	41	117519	31.49	ug/L		93
18) Methylene Chloride	2.303	49	138494	24.53	ug/L		96
19) Acetone	2.319	43	353713	141.05	ug/L		99
20) Methyl acetate	2.397	43	658572	129.65	ug/L		99
21) trans-1,2-Dichloroethene	2.403	61	158358	30.12	ug/L		97
22) Hexane	2.471	56	83869	32.54	ug/L		96
23) Methyl Tert Butyl Ether	2.471	73	379873	31.70	ug/L		94
24) Tert Butyl Alcohol	2.507	59	480641	324.34	ug/L		94
25) Acetonitrile	2.554	41	219375	260.98	ug/L		100
26) Di-isopropyl ether	2.685	45	326057	29.31	ug/L		97
27) Chloroprene	2.727	53	569493	35.94	ug/L		90
28) 1,1-Dichloroethane	2.732	63	213760	30.92	ug/L		99
29) Acrylonitrile	2.727	52	373978	149.25	ug/L	#	76
30) ETBE	2.884	59	336621	25.82	ug/L		99
31) Vinyl acetate	2.863	43	1040272	116.03	ug/L		98
32) cis-1,2-Dichloroethene	3.019	96	127855	31.01	ug/L		94
33) 2,2-Dichloropropane	3.087	77	108413	20.82	ug/L		99
34) Bromochloromethane	3.129	128	48934	26.26	ug/L		98
35) Cyclohexane	3.166	56	199929	31.03	ug/L		99
36) Chloroform	3.166	83	203138	29.28	ug/L		99
37) Ethyl acetate	3.229	43	817918	120.62	ug/L		99
38) Tetrahydrofuran	3.260	42	78790	30.43	ug/L		97
40) Carbon Tetrachloride	3.270	117	125512m	29.53	ug/L		
41) 1,1,1-Trichloroethane	3.297	97	176136	29.65	ug/L		98
42) 2-Butanone	3.317	43	603166	142.68	ug/L		99
43) 1,1-Dichloropropene	3.365	75	155170	29.81	ug/L		99
44) tert-Butyl formate	3.396	59	4237	1.65	ug/L	#	37

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 02:17:06 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.459	54	378297	283.46	ug/L		99
46) Methacrylonitrile	3.485	41	1041071	292.02	ug/L		99
47) Benzene	3.495	78	489427	29.46	ug/L		89
48) TAME	3.568	73	400924	33.83	ug/L		95
50) Isobutyl alcohol	3.589	43	394535m	577.87	ug/L		
51) 1,2-Dichloroethane	3.589	62	166753	28.04	ug/L		98
52) Tert Amyl Alcohol	3.647	59	289508	232.85	ug/L		89
53) Trichloroethene	3.825	95	120331	28.14	ug/L		97
54) Methylcyclohexane	3.846	83	184750	32.47	ug/L		99
55) Dibromomethane	4.049	93	63153	26.88	ug/L		96
56) 1,2-Dichloropropane	4.107	63	113184	28.04	ug/L		98
57) Bromodichloromethane	4.149	83	117317	27.25	ug/L		99
58) Methyl methacrylate	4.238	41	122242	27.28	ug/L		97
59) 1,4-Dioxane	4.259	88	73377	578.44	ug/L		99
61) cis-1,3-Dichloropropene	4.520	75	135426	24.41	ug/L		97
64) Toluene	4.682	91	522730	25.48	ug/L		99
65) 2-Nitropropane	4.776	41	120086	81.00	ug/L		97
66) 4-Methyl-2-pentanone	4.891	43	987461	124.79	ug/L		100
67) trans-1,3-Dichloropropene	4.917	75	138787	23.96	ug/L		82
68) Tetrachloroethene	4.938	166	114481	26.28	ug/L		94
69) Ethyl methacrylate	5.032	69	168792	23.64	ug/L		98
70) 1,1,2-Trichloroethane	5.022	83	88545	25.23	ug/L		95
71) Dibromochloromethane	5.142	129	79102	22.48	ug/L		95
72) 1,3-Dichloropropane	5.194	76	179952	23.07	ug/L		98
73) 1,2-Dibromoethane	5.294	107	107192	25.27	ug/L		94
74) 3,3-dimethyl-1-butanol	5.419	57	1762826	1001.33	ug/L		97
75) 2-hexanone	5.430	43	1072016	120.66	ug/L	#	80
76) 1-Chlorohexane	5.649	91	167867m	25.66	ug/L		
77) Ethylbenzene	5.686	91	578303	25.71	ug/L		99
78) Chlorobenzene	5.654	112	314853	25.63	ug/L		99
79) 1,1,1,2-Tetrachloroethane	5.696	131	95890	25.22	ug/L		98
80) m,p-Xylene	5.785	91	914556	51.41	ug/L		99
81) o-Xylene	6.078	91	468968	26.78	ug/L		99
82) Styrene	6.109	104	347894	25.97	ug/L		99
83) Bromoform	6.120	173	39387	21.10	ug/L		98
84) Isopropylbenzene	6.308	105	539143	26.69	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.527	53	27459	12.44	ug/L	#	65
88) n-Propylbenzene	6.611	91	636694	24.68	ug/L		98
89) Bromobenzene	6.569	156	121957	23.38	ug/L		98
90) 1,1,2,2-Tetrachloroethane	6.632	83	167421	24.06	ug/L		99
91) 1,3,5-Trimethylbenzene	6.758	105	429440	23.91	ug/L		100
92) 2-Chlorotoluene	6.716	91	380228	24.42	ug/L		99
93) trans-1,4-Dichloro-2-B...	6.758	53	39203	13.14	ug/L	#	78
94) 1,2,3-Trichloropropane	6.726	110	57444	22.13	ug/L		96
95) Cyclohexanone	6.747	55	58659	107.94	ug/L		97
96) 4-Chlorotoluene	6.836	91	392663	23.93	ug/L		99
97) tert-Butylbenzene	6.993	91	244747	24.82	ug/L		97
99) 1,2,4-Trimethylbenzene	7.045	105	431231	24.62	ug/L		100
100) Pentachloroethane	6.998	167	52577	24.64	ug/L	#	88
101) sec-Butylbenzene	7.134	105	504974	26.44	ug/L		99
102) 4-Isopropyltoluene	7.244	119	442304	26.44	ug/L		100
103) 1,3-Dichlorobenzene	7.280	146	232380	24.80	ug/L		100
104) 1,2,3-Trimethylbenzene	7.374	105	440837	25.09	ug/L		99
105) 1,4-Dichlorobenzene	7.343	146	233097	23.81	ug/L		98
106) n-Butylbenzene	7.563	92	191389	23.46	ug/L		96
107) Benzyl Chloride	7.521	126	16398	9.29	ug/L	#	77
108) 1,2-Dichlorobenzene	7.652	146	212542	24.17	ug/L		97
109) 1,2-Dibromo-3-Chloropr...	8.206	75	31555	20.51	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 02:17:06 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

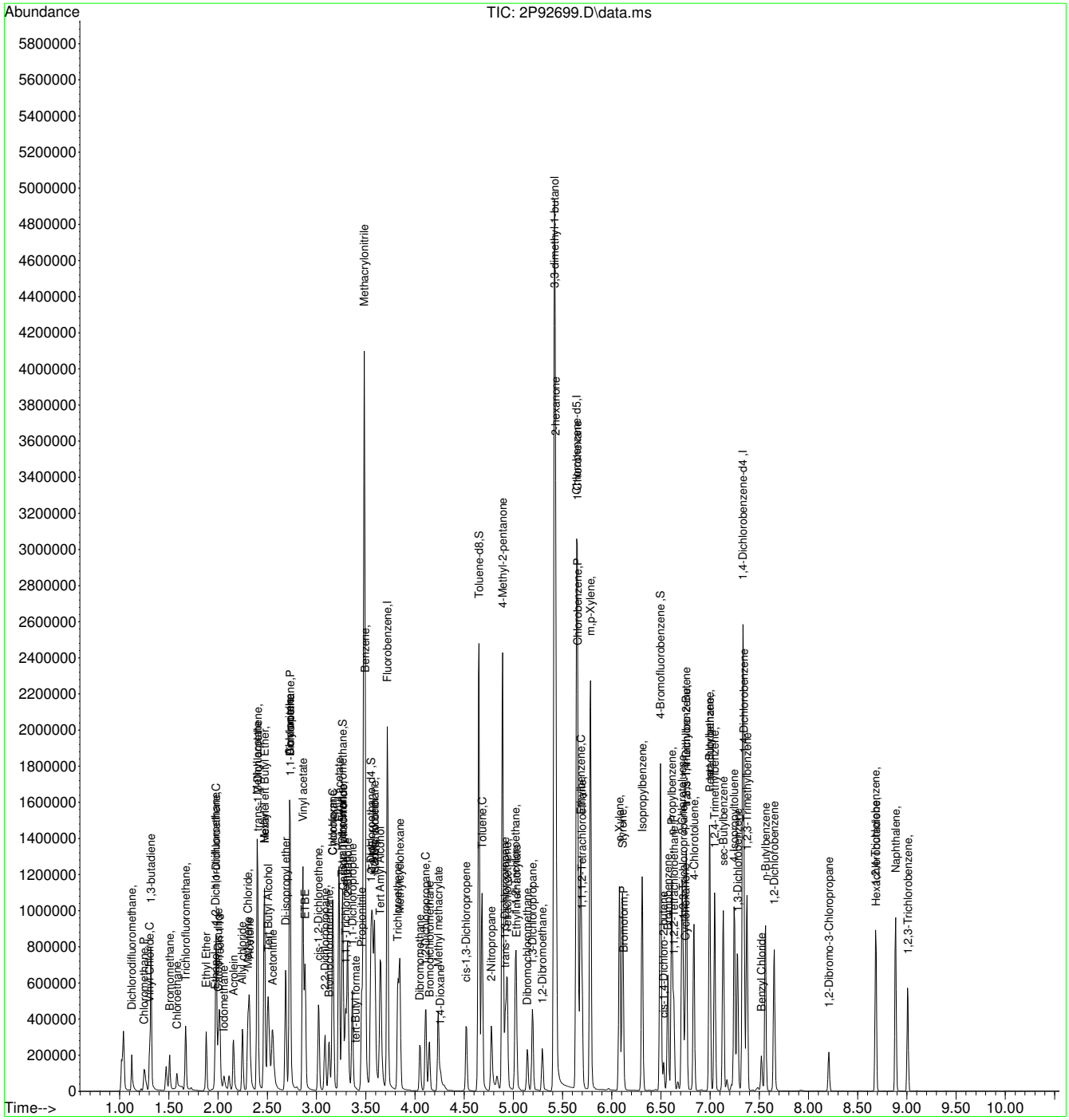
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) Hexachlorobutadiene	8.687	225	39573	25.12	ug/L	97
111) 1,2,4-Trichlorobenzene	8.681	180	110664	23.66	ug/L	99
112) Naphthalene	8.885	128	450248	23.44	ug/L	100
113) 1,2,3-Trichlorobenzene	9.011	180	105664	24.06	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 02:17:06 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: FA98431-6MSD
Lab FileID: 2P92699.D
Injection Time: 09/06/22 22:49

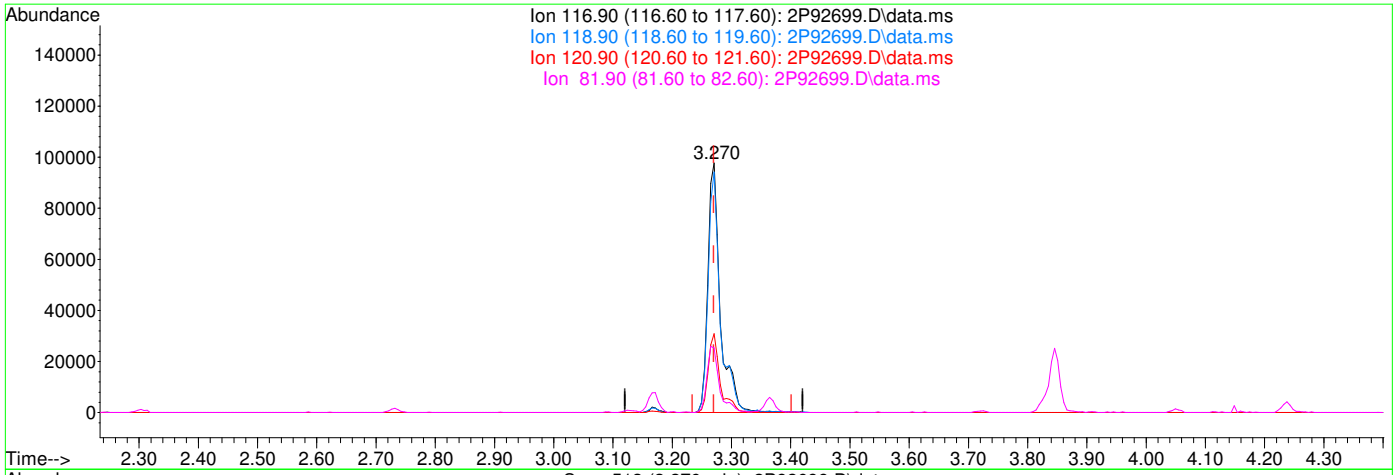
Method: SW846 8260D
Analyst approved: 09/07/22 09:26 Courtney Failla
Supervisor approved: 09/07/22 12:11 Karen Watson

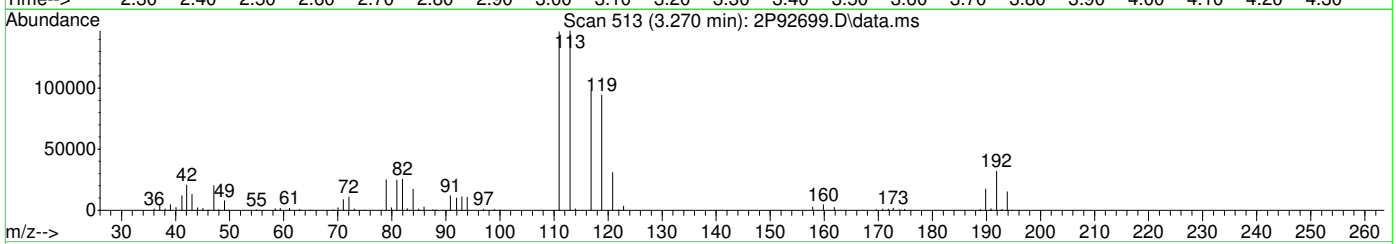
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

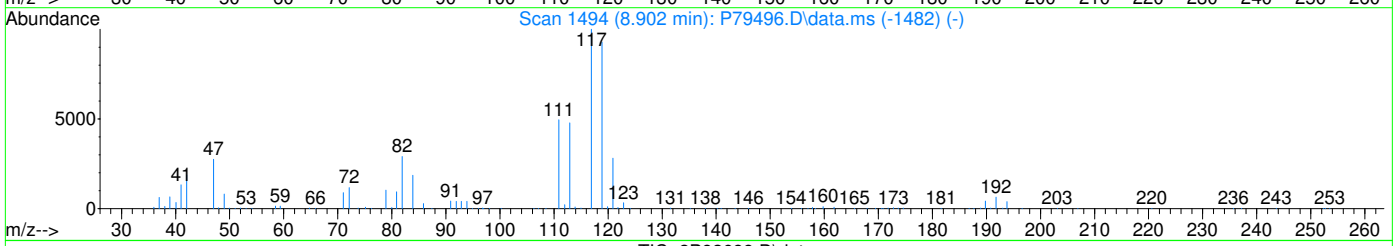
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92699.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (+0.000) 33.34ug/L

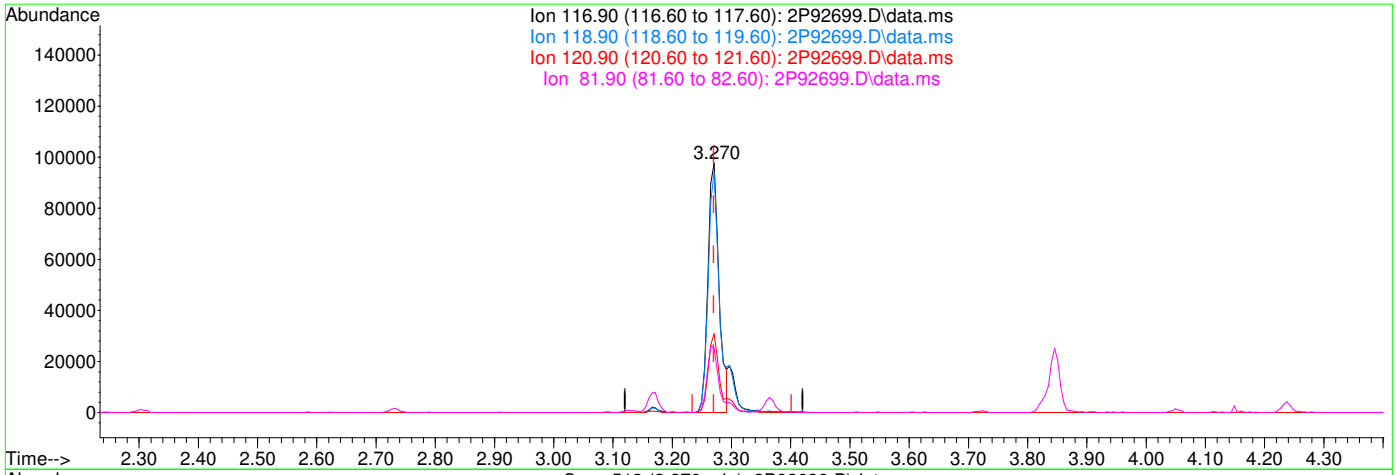
response 143465

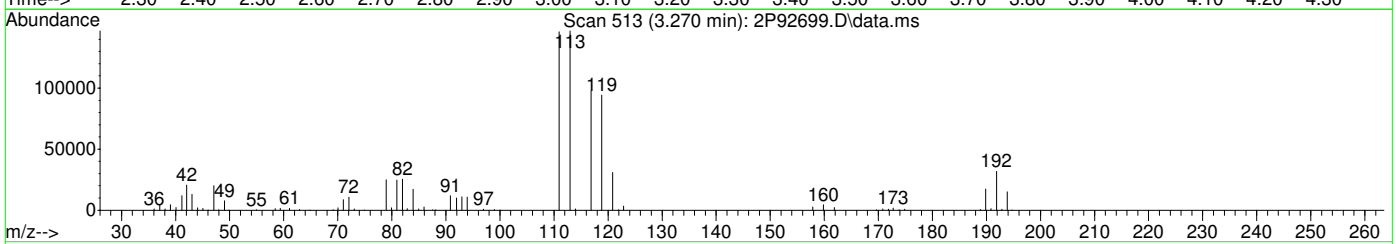
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	96.36
120.90	29.50	31.60
81.90	28.30	25.85

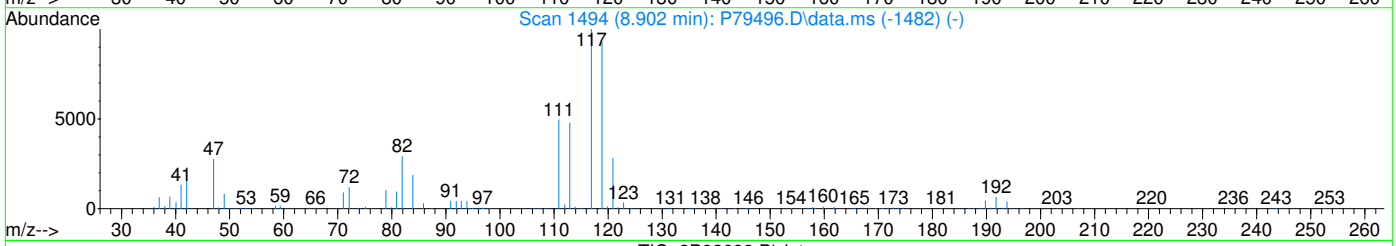
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 01:48:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92699.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (+0.000) 29.53ug/L m

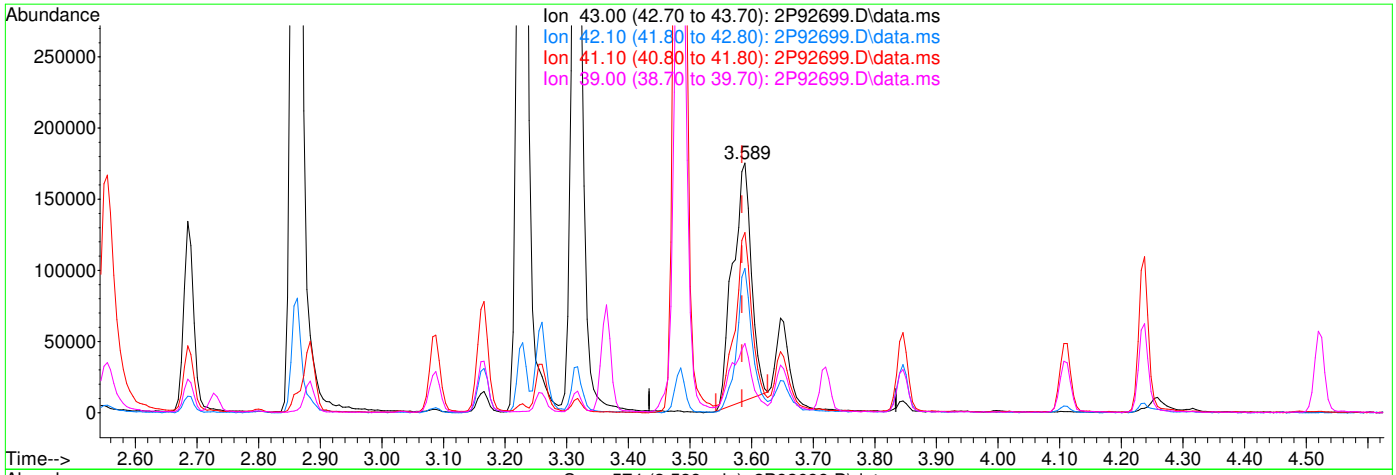
response 125512

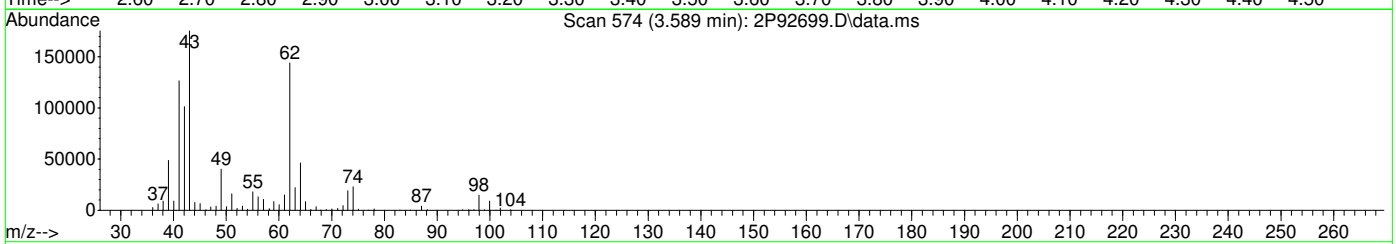
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	96.36
120.90	29.50	31.60
81.90	28.30	25.85

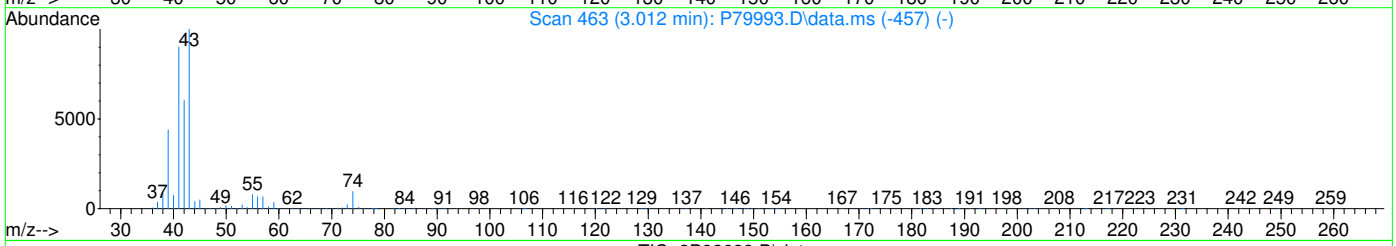
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 01:48:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92699.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 522.05ug/L

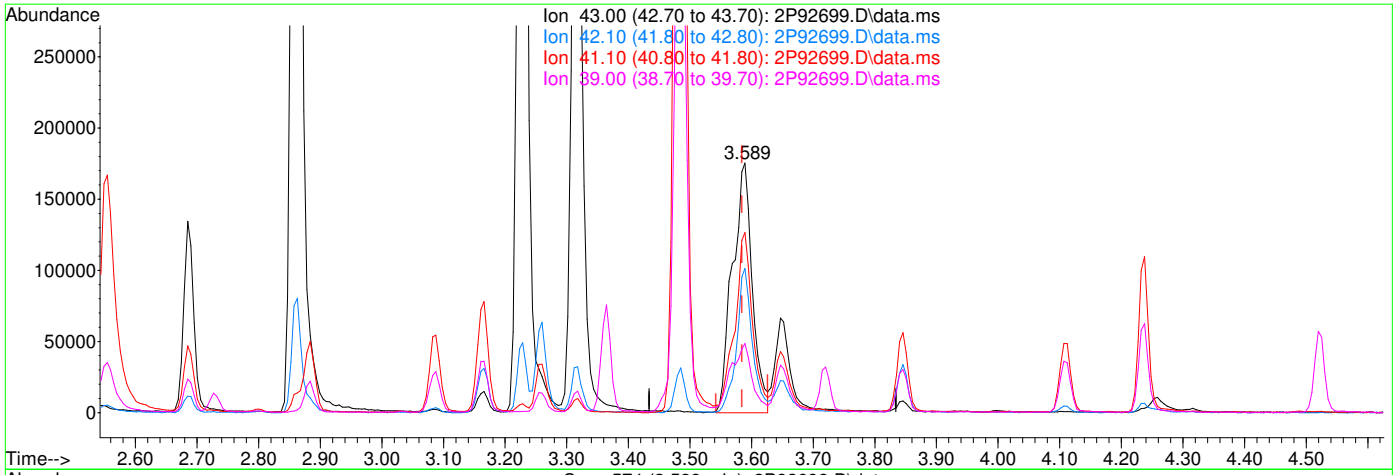
response 356424

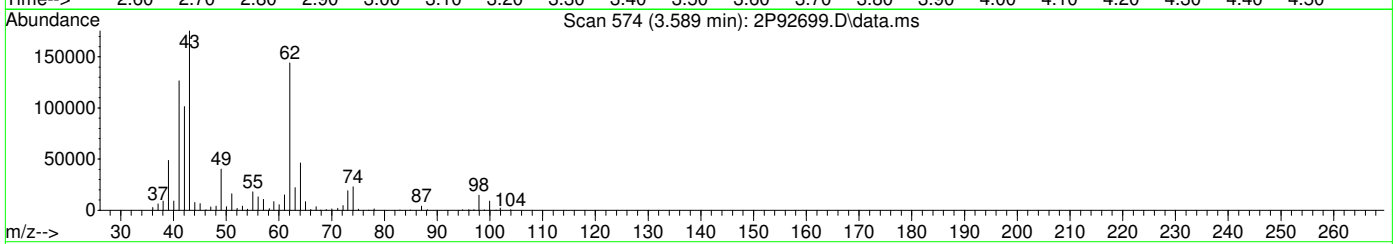
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.80
41.10	70.00	69.66
39.00	27.50	25.71

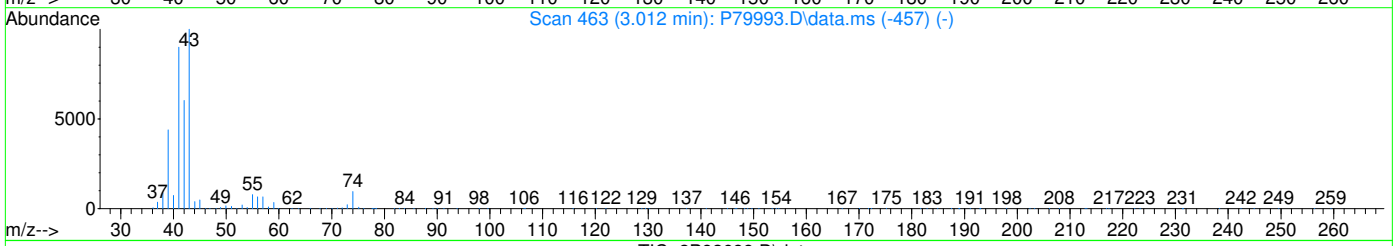
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 01:48:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92699.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 577.87ug/L m

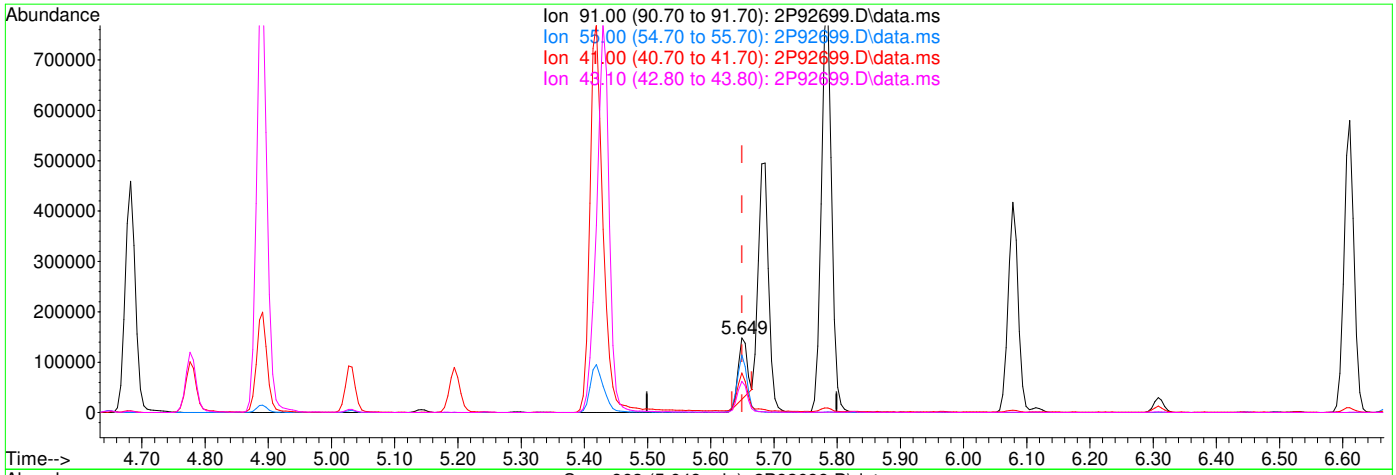
response 394535

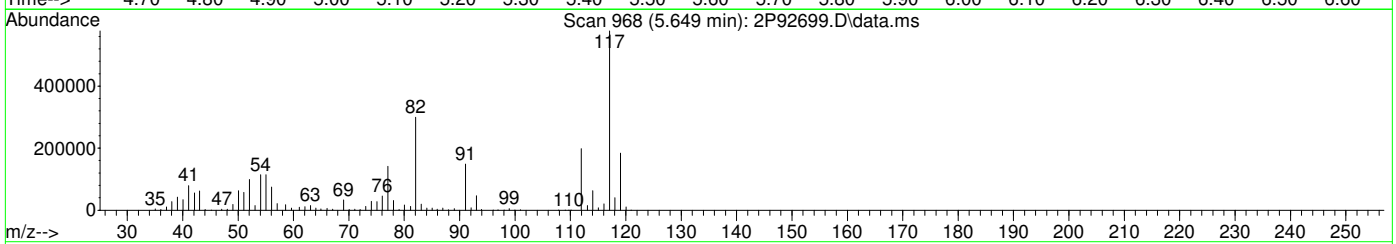
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.75
41.10	70.00	72.13
39.00	27.50	27.72

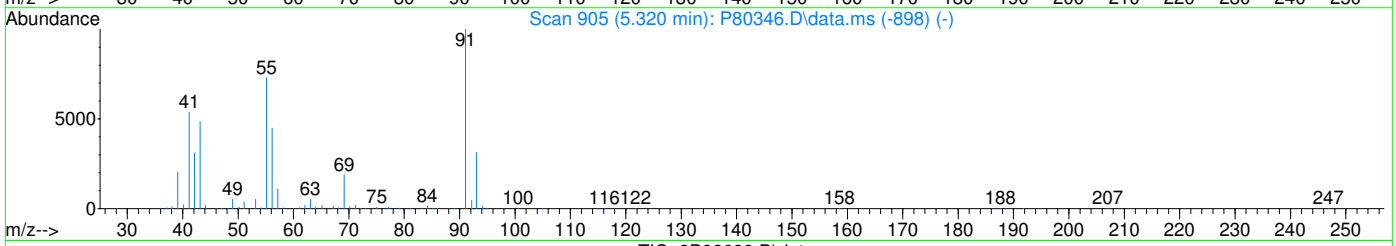
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 01:48:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92699.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 18.04ug/L

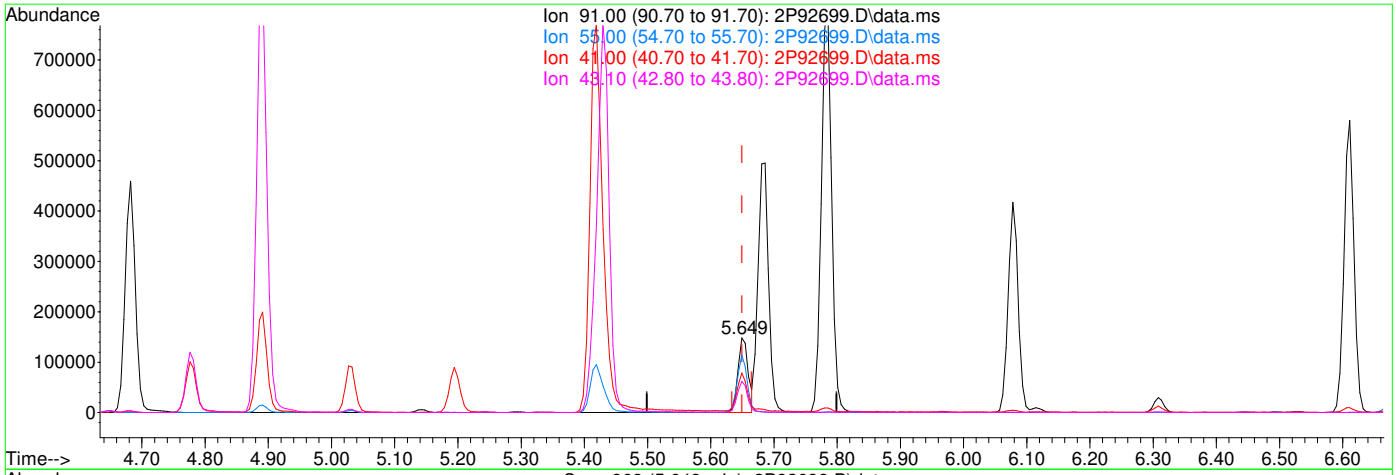
response 118022

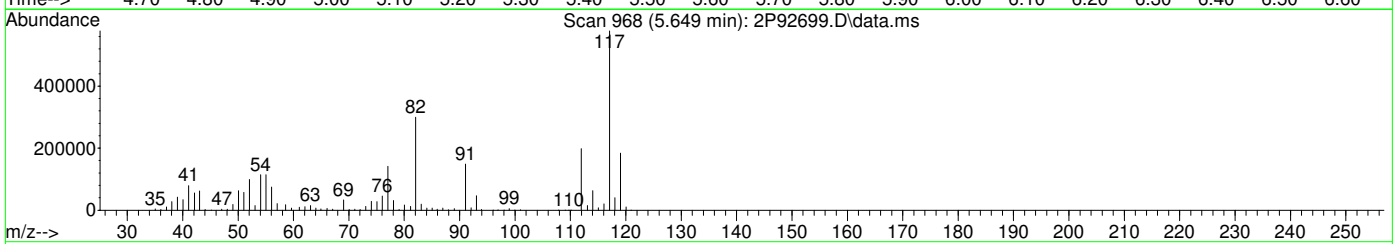
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	73.42
41.00	53.40	49.77
43.10	41.30	40.66

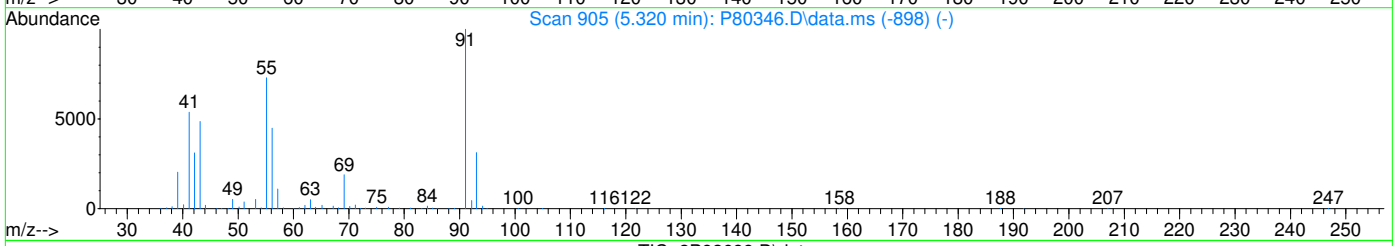
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 01:48:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92699.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 25.66ug/L m

response 167867

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	77.00
41.00	53.40	53.08
43.10	41.30	41.73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34018.d
Acq On : 7 Sep 2022 7:10 pm
Operator : courtnef
Sample : FA98592-1MS, 10x
Misc : MS52327,V5E1550,,,,,10
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 21:28:29 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.951	96	291088	50.00	ug/L	0.00
61) Chlorobenzene-d5	12.115	117	223002	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	108860	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.079	113	84630	50.67	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.34%			
49) 1,2-Dichloroethane-d4	8.665	65	87187	51.00	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.00%			
62) Toluene-d8	10.542	98	282227	48.83	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.66%			
86) 4-Bromofluorobenzene	13.328	95	96762	48.16	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.32%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	30880	24.89	ug/L	94
3) Chloromethane	3.214	50	38655	23.87	ug/L	99
4) Vinyl Chloride	3.367	62	46708	28.66	ug/L	100
5) 1,3-Butadiene	3.403	39	54878	34.28	ug/L	99
6) Bromomethane	3.940	94	10710	21.70	ug/L	97
7) Chloroethane	4.147	64	24285	25.57	ug/L	96
8) Trichlorofluoromethane	4.379	101	51929	27.48	ug/L	98
9) Ethyl Ether	4.873	59	29566	22.97	ug/L	94
10) Ethanol	5.092	45	9000	363.72	ug/L	94
11) 1,2-Dichlorotrifluoroe...	5.153	67	42966	29.41	ug/L	97
12) 1,1-Dichloroethene	5.165	61	62618	28.03	ug/L	97
13) Freon 113	5.220	101	33991	28.28	ug/L	96
14) Carbon Disulfide	5.208	76	81606	20.71	ug/L	99
15) Iodomethane	5.366	142	14343	19.65	ug/L	96
16) Acrolein	5.635	56	30530	83.42	ug/L	99
17) Allyl chloride	5.817	41	48231	27.57	ug/L	96
18) Methylene Chloride	5.958	49	61104	27.68	ug/L	99
19) Acetone	6.019	43	57927	104.57	ug/L	96
20) Methyl acetate	6.171	43	146674	110.57	ug/L	96
21) trans-1,2-Dichloroethene	6.171	61	79250	36.39	ug/L	99
22) Hexane	6.263	56	33745	32.93	ug/L	93
23) Methyl Tert Butyl Ether	6.299	73	91743	27.41	ug/L	97
24) Acetonitrile	6.610	41	44091	205.02	ug/L	98
25) Di-isopropyl ether	6.756	45	113431	24.63	ug/L	100
26) Chloroprene	6.915	53	58453	133.12	ug/L	94
27) 1,1-Dichloroethane	6.939	63	89717	33.60	ug/L	99
28) Acrylonitrile	7.000	53	72871	101.00	ug/L	99
29) ETBE	7.195	59	104905	22.77	ug/L	99
30) Tert Butyl Alcohol	6.397	59	47583	188.27	ug/L	97
31) Vinyl acetate	7.220	43	342370	107.23	ug/L	100
32) cis-1,2-Dichloroethene	7.579	96	151791	107.00	ug/L	96
33) 2,2-Dichloropropane	7.707	77	36976	20.98	ug/L	98
34) Bromochloromethane	7.811	128	18706	25.05	ug/L	99
35) Cyclohexane	7.823	56	69972	27.22	ug/L	98
36) Chloroform	7.878	83	57777	24.83	ug/L	97
37) Ethyl acetate	7.982	43	193749	106.38	ug/L	100
38) Tetrahydrofuran	8.073	42	12646	20.26	ug/L	95
40) Carbon Tetrachloride	8.055	117	50894	27.99	ug/L	99
41) 1,1,1-Trichloroethane	8.122	97	53309	26.94	ug/L	98
42) 2-Butanone	8.207	43	92685	102.31	ug/L	99
43) 1,1-Dichloropropene	8.256	75	43539	25.58	ug/L	98
44) tert-Butyl formate	8.354	59	81630	197.91	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34018.d
Acq On : 7 Sep 2022 7:10 pm
Operator : courtnef
Sample : FA98592-1MS, 10x
Misc : MS52327,V5E1550,,,,,10
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 21:28:29 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) Propionitrile	8.536	54	61388	203.83	ug/L	93
46) Methacrylonitrile	8.555	41	246908	217.47	ug/L	99
47) Benzene	8.524	78	128185	24.79	ug/L	99
48) TAME	8.610	73	105278	30.76	ug/L	97
50) 1,2-Dichloroethane	8.738	62	50247	24.72	ug/L	100
51) tert Amyl alcohol	8.786	59	40086	201.73	ug/L	95
52) Trichloroethene	9.134	95	102408	71.18	ug/L	99
53) Methylcyclohexane	9.134	83	56420	29.41	ug/L	99
54) Dibromomethane	9.579	93	21638	24.37	ug/L	95
55) 1,2-Dichloropropane	9.670	63	36553	23.24	ug/L	97
56) Bromodichloromethane	9.725	83	42392	24.70	ug/L	99
57) Methyl methacrylate	9.835	41	34245	23.95	ug/L	100
58) 1,4-Dioxane	9.914	88	24471	1108.38	ug/L	96
59) 2-Chloroethyl vinyl ether	10.262	63	97840	103.48	ug/L	99
60) cis-1,3-Dichloropropene	10.353	75	44868	23.36	ug/L	98
63) Toluene	10.597	91	139523	23.61	ug/L	99
64) Isobutyl alcohol	8.671	43	34806	363.38	ug/L	98
65) 2-Nitropropane	10.829	41	57822	99.27	ug/L	98
66) 4-Methyl-2-pentanone	10.938	43	202619	100.84	ug/L	99
67) trans-1,3-Dichloropropene	10.999	75	39233	24.30	ug/L	90
68) Tetrachloroethene	10.999	166	43144	28.73	ug/L	98
69) Ethyl methacrylate	11.103	69	36562	19.93	ug/L	99
70) 1,1,2-Trichloroethane	11.164	83	25744	23.37	ug/L	97
71) Dibromochloromethane	11.359	129	36372	22.84	ug/L	97
72) 1,3-Dichloropropane	11.451	76	45442	21.85	ug/L	99
73) 1,2-Dibromoethane	11.627	107	32713	23.66	ug/L	96
74) 3,3-Dimethyl-1-butanol	11.707	57	195237	786.52	ug/L	97
75) 2-hexanone	11.768	43	144100	99.02	ug/L	99
76) 1-Chlorohexane	12.060	91	42083	24.01	ug/L	98
77) Ethylbenzene	12.127	91	149599	23.22	ug/L	100
78) Chlorobenzene	12.133	112	92541	24.32	ug/L	98
79) 1,1,1,2-Tetrachloroethane	12.182	131	35276	25.11	ug/L	95
80) m,p-Xylene	12.261	91	234737	47.92	ug/L	99
81) o-Xylene	12.706	91	118068	24.21	ug/L	99
82) Styrene	12.755	104	89227	23.93	ug/L	98
83) Bromoform	12.822	173	23493	23.39	ug/L	96
84) Isopropylbenzene	13.011	105	145716	24.72	ug/L	98
87) cis-1,4-Dichloro-2-butene	13.682	53	9045	15.96	ug/L	91
88) n-Propylbenzene	13.426	91	167797	24.22	ug/L	100
89) Bromobenzene	13.456	156	36179	23.35	ug/L	97
90) 1,1,2,2-Tetrachloroethane	13.499	83	42955	21.54	ug/L	96
91) 1,3,5-Trimethylbenzene	13.609	105	115448	23.39	ug/L	99
92) 2-Chlorotoluene	13.621	91	108852	23.57	ug/L	100
93) trans-1,4-Dichloro-2-B...	13.682	53	9045	15.96	ug/L	93
94) 1,2,3-Trichloropropane	13.664	110	11874	21.37	ug/L	91
95) Cyclohexanone	13.737	55	8281	80.06	ug/L	98
96) 4-Chlorotoluene	13.792	91	99197	23.54	ug/L	99
98) tert-Butylbenzene	13.950	91	62424	23.31	ug/L	97
99) 1,2,4-Trimethylbenzene	14.023	105	115800	24.17	ug/L	99
100) Pentachloroethane	14.011	167	17556	21.21	ug/L	97
101) sec-Butylbenzene	14.133	105	141564	25.57	ug/L	99
102) 4-Isopropyltoluene	14.261	119	119235	24.71	ug/L	97
103) 1,3-Dichlorobenzene	14.401	146	67041	24.31	ug/L	98
104) 1,2,3-Trimethylbenzene	14.474	105	121152	24.83	ug/L	98
105) 1,4-Dichlorobenzene	14.487	146	69430	24.18	ug/L	98
106) n-Butylbenzene	14.688	92	53905	21.35	ug/L	99
107) Benzyl Chloride	14.712	126	8137	12.52	ug/L	97
108) 1,2-Dichlorobenzene	14.901	146	64584	24.01	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34018.d
Acq On : 7 Sep 2022 7:10 pm
Operator : courtnef
Sample : FA98592-1MS, 10x
Misc : MS52327,V5E1550,,,,,10
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 21:28:29 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

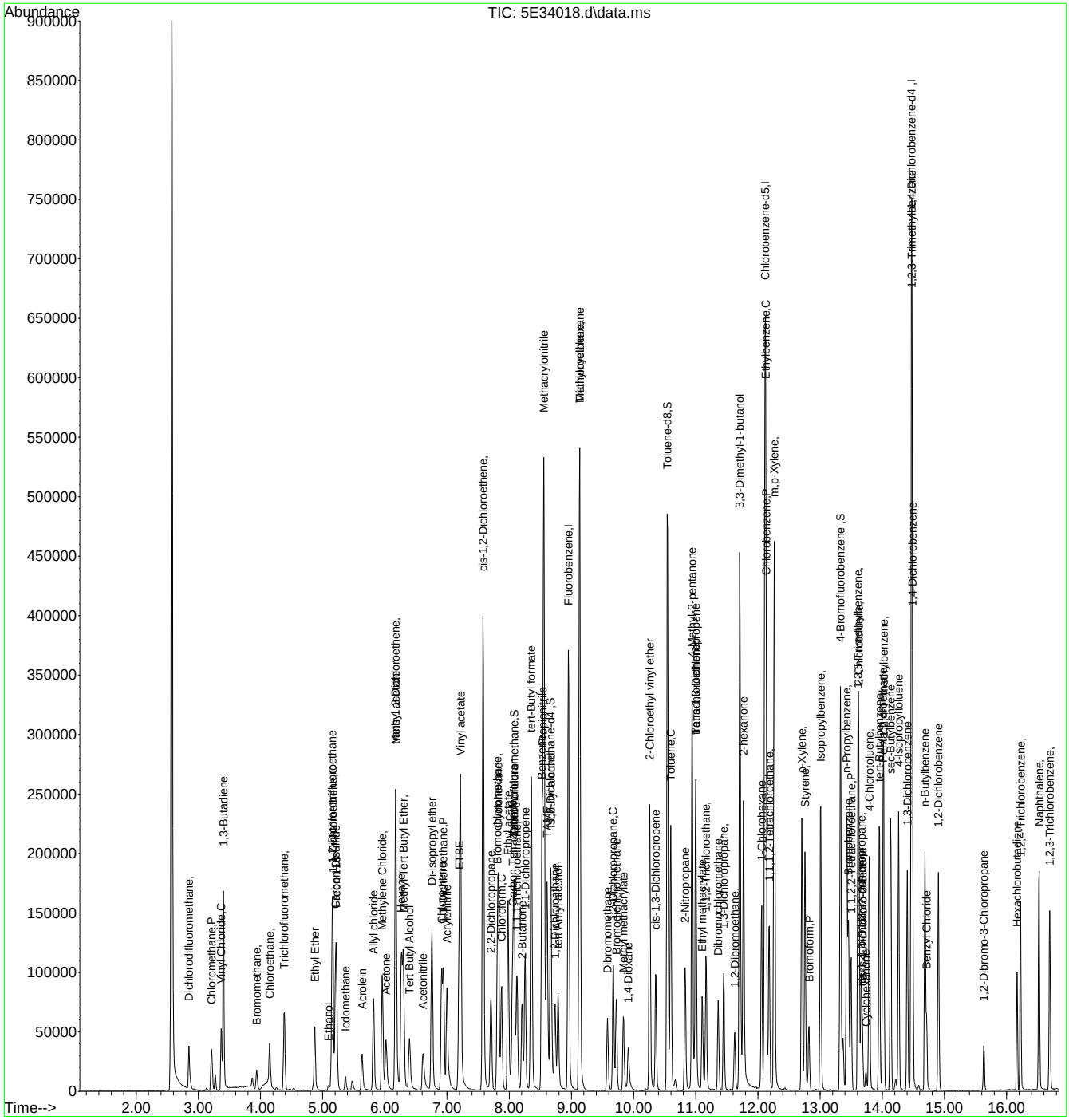
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	15.633	75	6448	18.83	ug/L	95
110) Hexachlorobutadiene	16.169	225	13593	24.22	ug/L	94
111) 1,2,4-Trichlorobenzene	16.224	180	39095	23.13	ug/L	99
112) Naphthalene	16.523	128	127831	21.71	ug/L	99
113) 1,2,3-Trichlorobenzene	16.693	180	38625	23.59	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34018.d
Acq On : 7 Sep 2022 7:10 pm
Operator : courtnef
Sample : FA98592-1MS, 10x
Misc : MS52327,V5E1550,,,,,10
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 21:28:29 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34019.d
Acq On : 7 Sep 2022 7:33 pm
Operator : courtnef
Sample : FA98592-1MSD, 10x
Misc : MS52327,V5E1550,,,,,10
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 21:28:32 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.951	96	295119	50.00	ug/L	0.00
61) Chlorobenzene-d5	12.115	117	224908	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	111569	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.079	113	86138	50.87	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.74%			
49) 1,2-Dichloroethane-d4	8.665	65	88642	51.15	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.30%			
62) Toluene-d8	10.542	98	286123	49.08	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.16%			
86) 4-Bromofluorobenzene	13.328	95	98353	47.77	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.54%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	33147	26.35	ug/L	95
3) Chloromethane	3.215	50	42200	25.70	ug/L	98
4) Vinyl Chloride	3.367	62	50847	30.77	ug/L	98
5) 1,3-Butadiene	3.404	39	54382	33.44	ug/L	98
6) Bromomethane	3.940	94	13928	27.83	ug/L	97
7) Chloroethane	4.147	64	26326	27.42	ug/L	94
8) Trichlorofluoromethane	4.385	101	57026	29.76	ug/L	99
9) Ethyl Ether	4.873	59	29889	22.90	ug/L	92
10) Ethanol	5.098	45	9583	382.00	ug/L	98
11) 1,2-Dichlorotrifluoroe...	5.153	67	43925	29.66	ug/L	96
12) 1,1-Dichloroethene	5.159	61	62036	27.39	ug/L	97
13) Freon 113	5.220	101	34133	28.01	ug/L	97
14) Carbon Disulfide	5.208	76	81036	20.29	ug/L	99
15) Iodomethane	5.367	142	19654	25.47	ug/L	99
16) Acrolein	5.635	56	32460	87.51	ug/L	100
17) Allyl chloride	5.818	41	48331	27.25	ug/L	97
18) Methylene Chloride	5.958	49	60118	26.83	ug/L	98
19) Acetone	6.019	43	59909	106.67	ug/L	97
20) Methyl acetate	6.171	43	146664	109.06	ug/L	99
21) trans-1,2-Dichloroethene	6.171	61	79831	36.15	ug/L	99
22) Hexane	6.263	56	33400	32.12	ug/L	95
23) Methyl Tert Butyl Ether	6.293	73	90724	26.73	ug/L	98
24) Acetonitrile	6.610	41	44819	205.56	ug/L	98
25) Di-isopropyl ether	6.757	45	111353	23.85	ug/L	99
26) Chloroprene	6.915	53	59097	132.75	ug/L	96
27) 1,1-Dichloroethane	6.939	63	88769	32.79	ug/L	100
28) Acrylonitrile	7.000	53	76237	104.23	ug/L	99
29) ETBE	7.195	59	105402	22.57	ug/L	98
30) Tert Butyl Alcohol	6.397	59	48252	188.31	ug/L	97
31) Vinyl acetate	7.220	43	347669	107.40	ug/L	99
32) cis-1,2-Dichloroethene	7.580	96	155384	108.04	ug/L	98
33) 2,2-Dichloropropane	7.708	77	36062	20.19	ug/L	99
34) Bromochloromethane	7.811	128	18211	24.06	ug/L	94
35) Cyclohexane	7.823	56	70729	27.14	ug/L	98
36) Chloroform	7.878	83	56517	23.96	ug/L	95
37) Ethyl acetate	7.982	43	199241	107.90	ug/L	100
38) Tetrahydrofuran	8.067	42	13643	21.58	ug/L	96
40) Carbon Tetrachloride	8.049	117	51132	27.74	ug/L	97
41) 1,1,1-Trichloroethane	8.122	97	52488	26.17	ug/L	98
42) 2-Butanone	8.207	43	93356	101.64	ug/L	100
43) 1,1-Dichloropropene	8.256	75	43973	25.48	ug/L	99
44) tert-Butyl formate	8.354	59	83118	198.72	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34019.d
Acq On : 7 Sep 2022 7:33 pm
Operator : courtnef
Sample : FA98592-1MSD, 10x
Misc : MS52327,V5E1550,,,,,10
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 21:28:32 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	8.537	54	62871	205.89	ug/L		89
46) Methacrylonitrile	8.555	41	252859	219.64	ug/L		99
47) Benzene	8.524	78	128090	24.43	ug/L		98
48) TAME	8.610	73	104146	30.02	ug/L		97
50) 1,2-Dichloroethane	8.738	62	49709	24.12	ug/L		99
51) tert Amyl alcohol	8.787	59	40952	203.27	ug/L		97
52) Trichloroethene	9.134	95	104164	71.41	ug/L		99
53) Methylcyclohexane	9.134	83	56042	28.82	ug/L		98
54) Dibromomethane	9.579	93	20824	23.13	ug/L		97
55) 1,2-Dichloropropane	9.677	63	35938	22.54	ug/L		96
56) Bromodichloromethane	9.719	83	42211	24.26	ug/L		99
57) Methyl methacrylate	9.835	41	34684	23.93	ug/L		98
58) 1,4-Dioxane	9.914	88	25739	1148.71	ug/L		97
59) 2-Chloroethyl vinyl ether	10.262	63	99334	103.63	ug/L		100
60) cis-1,3-Dichloropropene	10.353	75	43478	22.32	ug/L		96
63) Toluene	10.597	91	137408	23.06	ug/L		97
64) Isobutyl alcohol	8.677	43	35915	371.59	ug/L		96
65) 2-Nitropropane	10.829	41	57074	97.16	ug/L		96
66) 4-Methyl-2-pentanone	10.939	43	204405	100.87	ug/L		99
67) trans-1,3-Dichloropropene	11.000	75	39277	24.12	ug/L		96
68) Tetrachloroethene	11.000	166	41982	27.72	ug/L		98
69) Ethyl methacrylate	11.103	69	37600	20.33	ug/L		97
70) 1,1,2-Trichloroethane	11.164	83	25438	22.90	ug/L		97
71) Dibromochloromethane	11.359	129	35492	22.09	ug/L		97
72) 1,3-Dichloropropane	11.451	76	44882	21.40	ug/L		97
73) 1,2-Dibromoethane	11.621	107	31738	22.76	ug/L		98
74) 3,3-Dimethyl-1-butanol	11.707	57	201652	805.08	ug/L		98
75) 2-hexanone	11.768	43	147942	100.80	ug/L		99
76) 1-Chlorohexane	12.060	91	41937	23.73	ug/L		97
77) Ethylbenzene	12.127	91	148165	22.81	ug/L		99
78) Chlorobenzene	12.134	112	89994	23.45	ug/L		99
79) 1,1,1,2-Tetrachloroethane	12.182	131	33295	23.50	ug/L		98
80) m,p-Xylene	12.262	91	230855	46.72	ug/L		98
81) o-Xylene	12.707	91	115387	23.46	ug/L		99
82) Styrene	12.755	104	87892	23.37	ug/L		99
83) Bromoform	12.816	173	23489	23.18	ug/L		96
84) Isopropylbenzene	13.011	105	141879	23.87	ug/L		100
87) cis-1,4-Dichloro-2-butene	13.682	53	9020	15.53	ug/L		91
88) n-Propylbenzene	13.426	91	164098	23.11	ug/L		99
89) Bromobenzene	13.456	156	35484	22.35	ug/L		96
90) 1,1,2,2-Tetrachloroethane	13.493	83	42255	20.68	ug/L		96
91) 1,3,5-Trimethylbenzene	13.609	105	113668	22.47	ug/L		99
92) 2-Chlorotoluene	13.621	91	106340	22.46	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.682	53	9020	15.53	ug/L		92
94) 1,2,3-Trichloropropane	13.664	110	11581	20.34	ug/L		97
95) Cyclohexanone	13.737	55	9035	85.30	ug/L		91
96) 4-Chlorotoluene	13.792	91	97044	22.47	ug/L		99
98) tert-Butylbenzene	13.950	91	62597	22.81	ug/L		99
99) 1,2,4-Trimethylbenzene	14.023	105	114180	23.25	ug/L		98
100) Pentachloroethane	14.011	167	17365	20.47	ug/L		91
101) sec-Butylbenzene	14.133	105	141977	25.03	ug/L		99
102) 4-Isopropyltoluene	14.261	119	117551	23.77	ug/L		99
103) 1,3-Dichlorobenzene	14.401	146	66456	23.52	ug/L		99
104) 1,2,3-Trimethylbenzene	14.475	105	118898	23.78	ug/L		98
105) 1,4-Dichlorobenzene	14.487	146	69179	23.51	ug/L		97
106) n-Butylbenzene	14.688	92	53857	20.81	ug/L		99
107) Benzyl Chloride	14.712	126	7641	11.52	ug/L	#	82
108) 1,2-Dichlorobenzene	14.901	146	63951	23.20	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34019.d
Acq On : 7 Sep 2022 7:33 pm
Operator : courtnef
Sample : FA98592-1MSD, 10x
Misc : MS52327,V5E1550,,,,,10
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 21:28:32 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

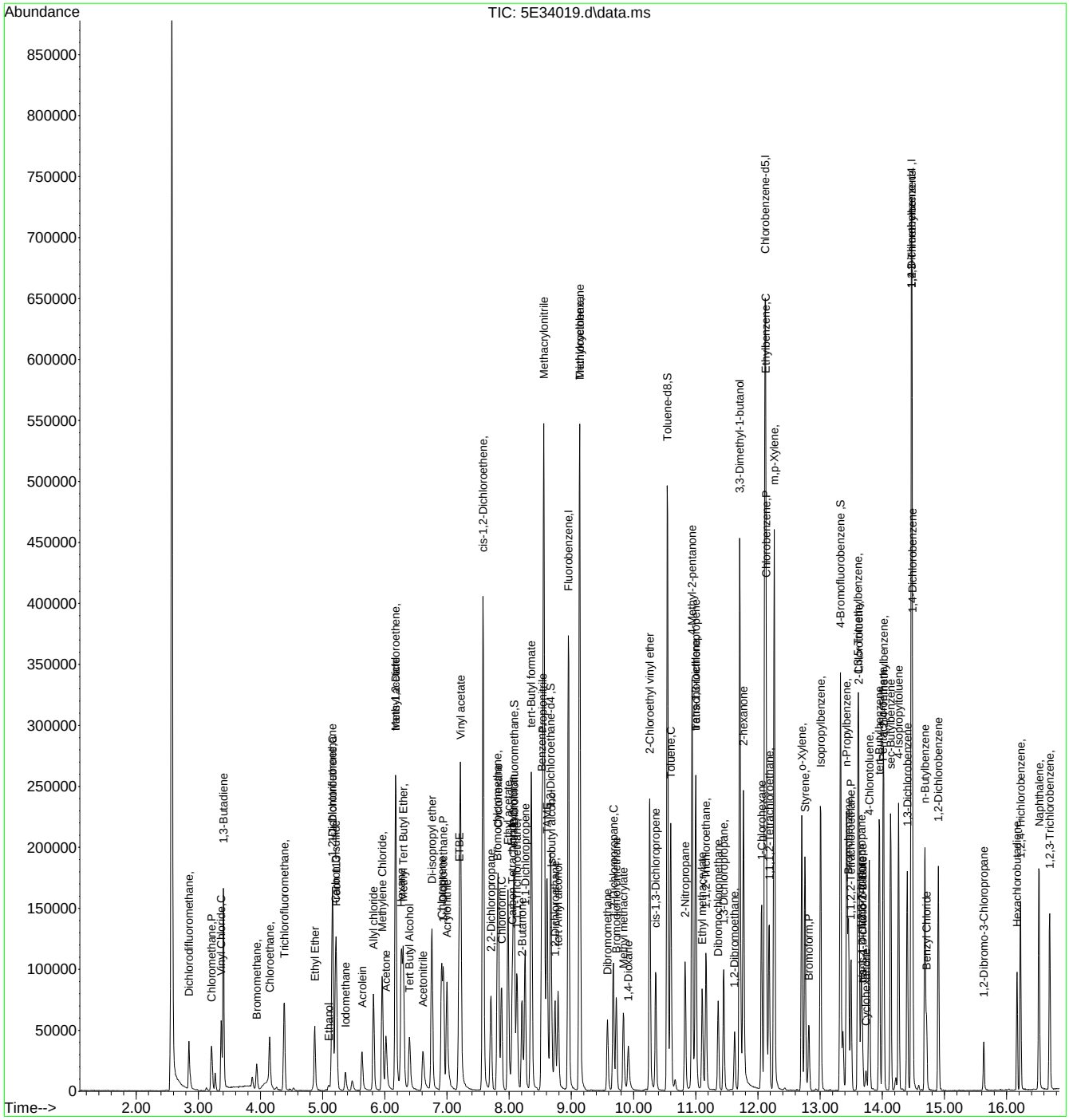
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	15.633	75	6625	18.88	ug/L	98
110) Hexachlorobutadiene	16.169	225	13018	22.63	ug/L	97
111) 1,2,4-Trichlorobenzene	16.224	180	39379	22.73	ug/L	99
112) Naphthalene	16.523	128	128901	21.36	ug/L	99
113) 1,2,3-Trichlorobenzene	16.694	180	38269	22.81	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34019.d
Acq On : 7 Sep 2022 7:33 pm
Operator : courtnef
Sample : FA98592-1MSD, 10x
Misc : MS52327,V5E1550,,,,,10
ALS Vial : 28 Sample Multiplier: 1

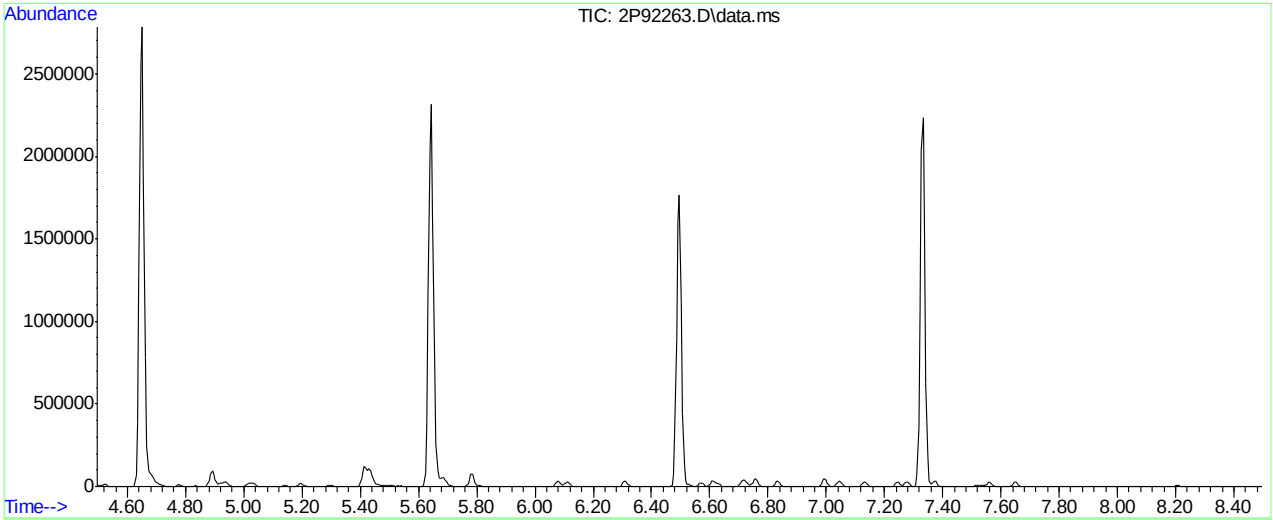
Quant Time: Sep 07 21:28:32 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration



Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\2022-08-24\2P92263.D Vial: 52
Acq On : 24 Aug 2022 9:50 am Operator: courtnef
Sample : BFB Inst : MSVOA13
Misc : MS52204,V2P3560,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\MET...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1129, 1130, 1131; Background Corrected with Scan 1121

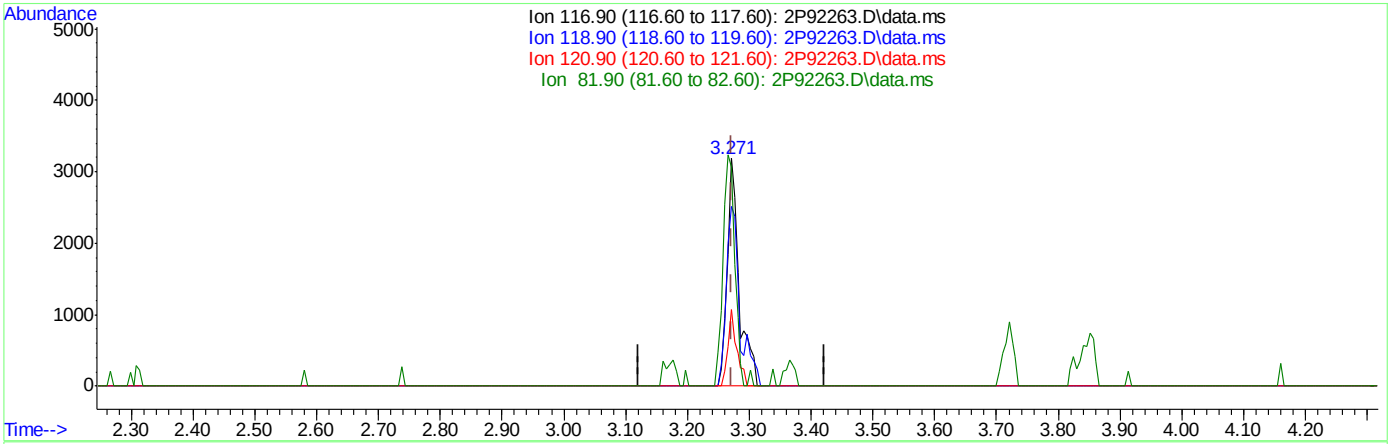
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	60128	PASS
75	95	30	60	49.4	160765	PASS
95	95	100	100	100.0	325269	PASS
96	95	5	9	6.5	21171	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	73.5	238912	PASS
175	174	5	9	7.7	18335	PASS
176	174	95	101	96.7	231146	PASS
177	176	5	9	6.6	15221	PASS

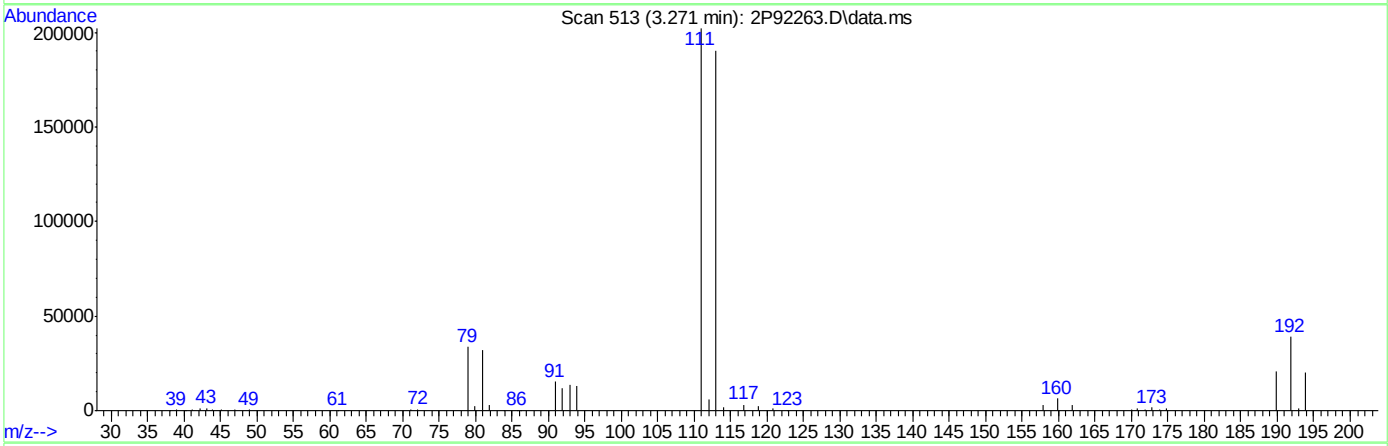
2P92263.D V2P_2022-08-24.M Wed Aug 24 10:08:43 2022

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (-0.001) 0.79ug/L

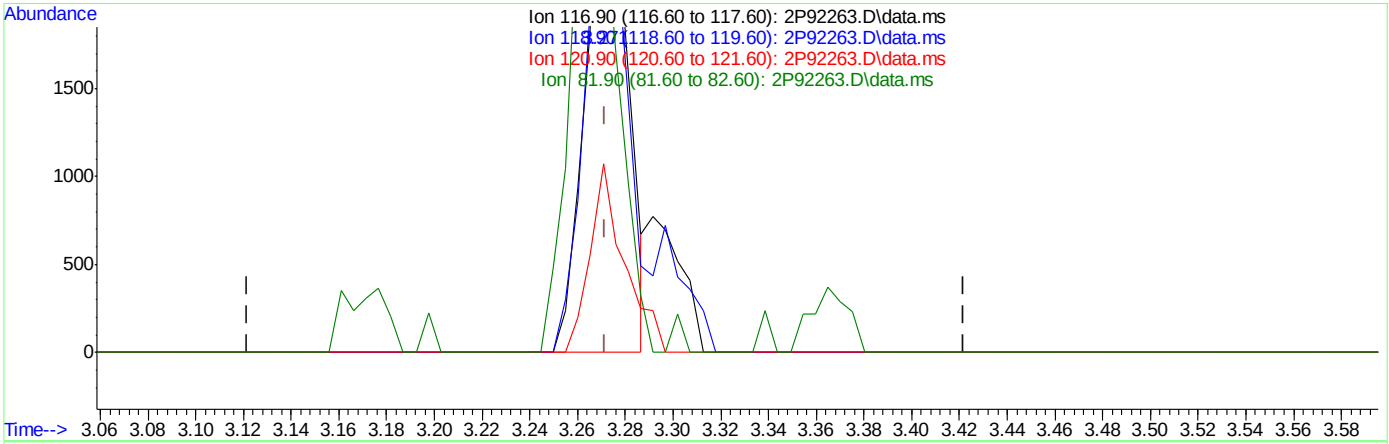
response 4233

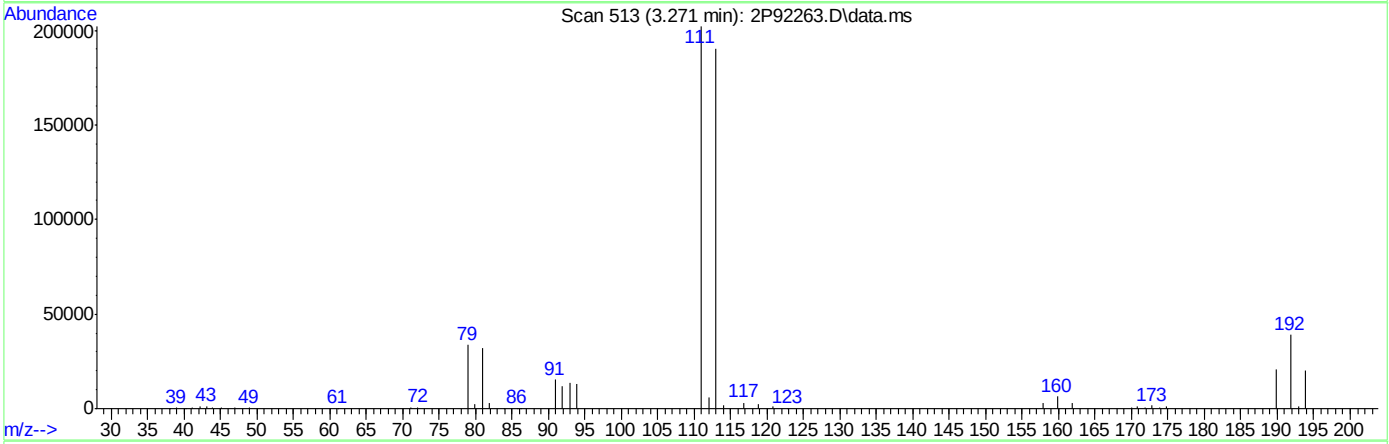
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	79.20
120.90	30.80	33.62
81.90	30.00	96.42#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (-0.001) 0.65ug/L m

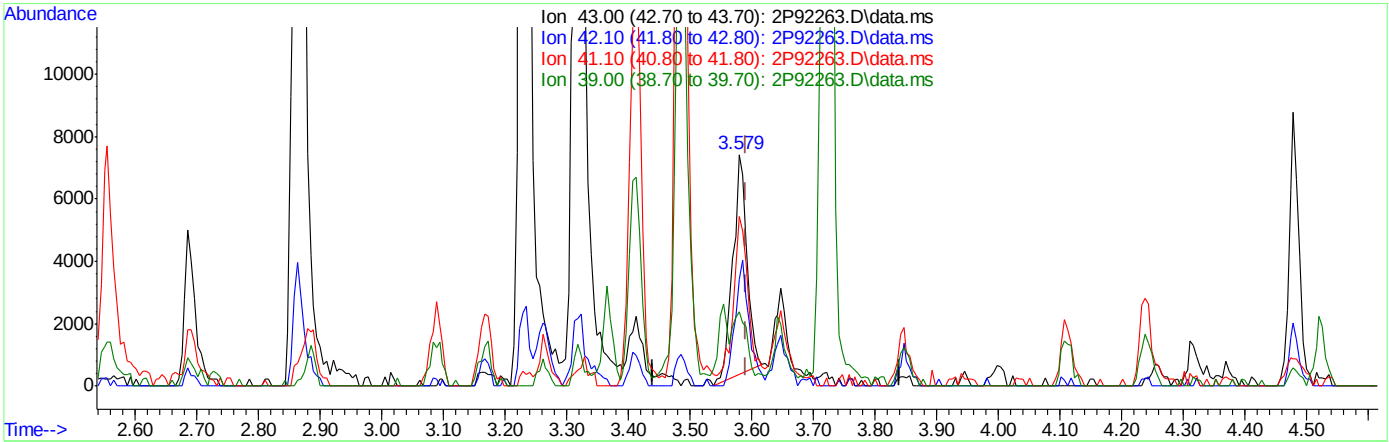
response 3481

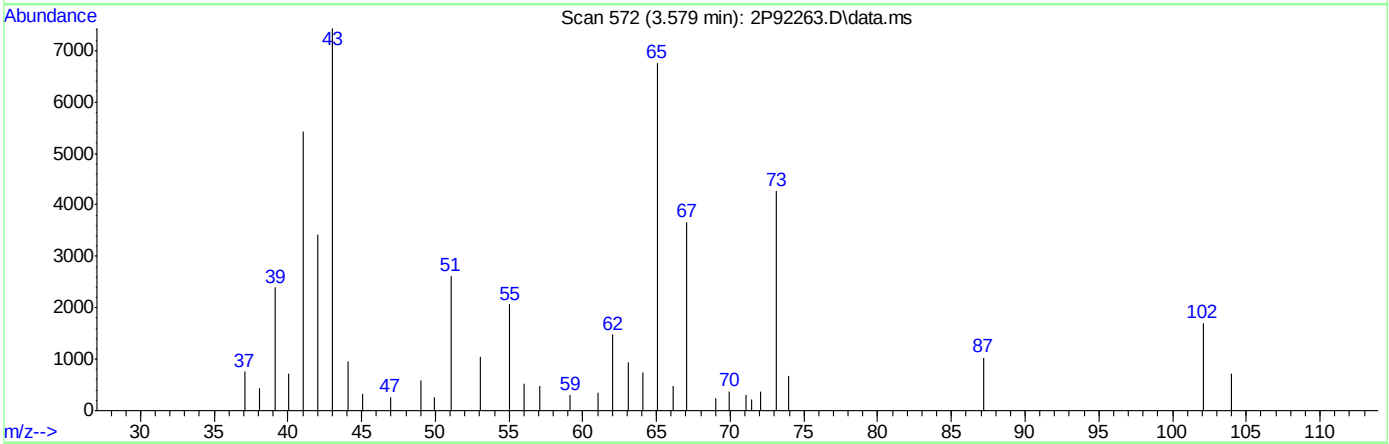
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	79.20
120.90	30.80	33.62
81.90	30.00	96.42#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(50) Isobutyl alcohol

3.579min (-0.012) 8.01ug/L

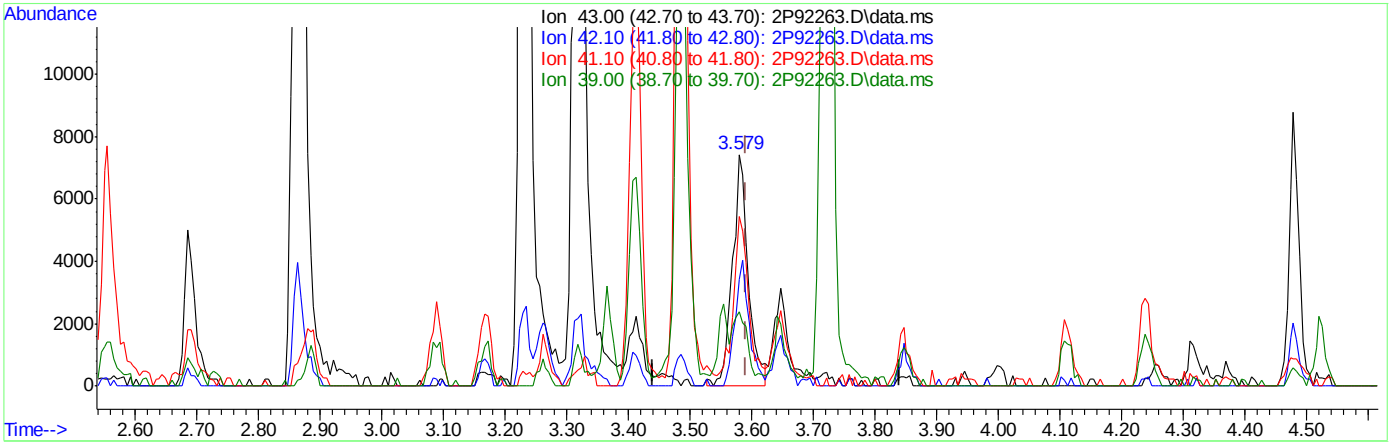
response 11164

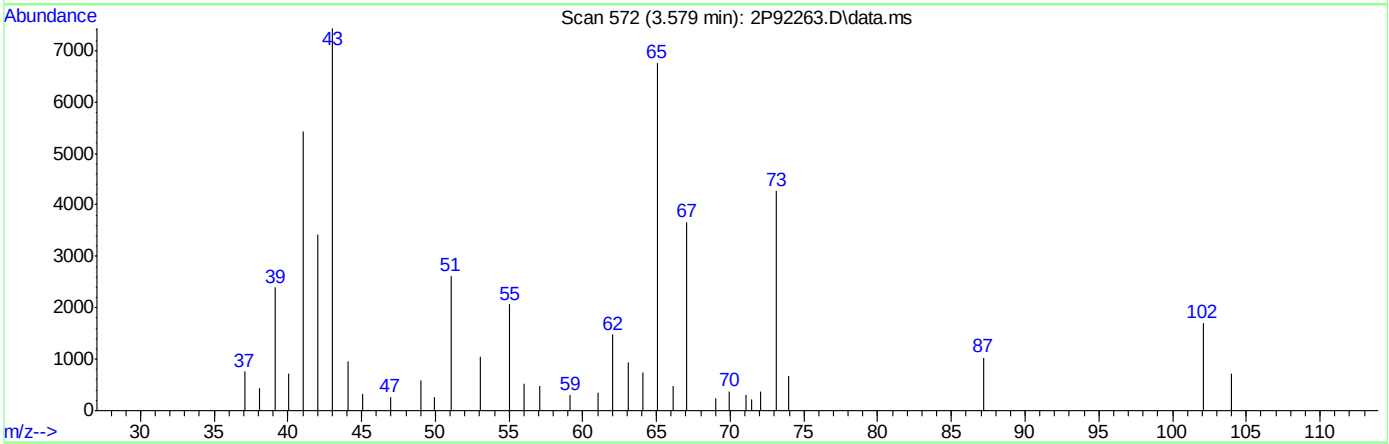
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	45.96
41.10	72.70	68.24
39.00	28.00	27.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(50) Isobutyl alcohol

3.579min (-0.012) 9.38ug/L m

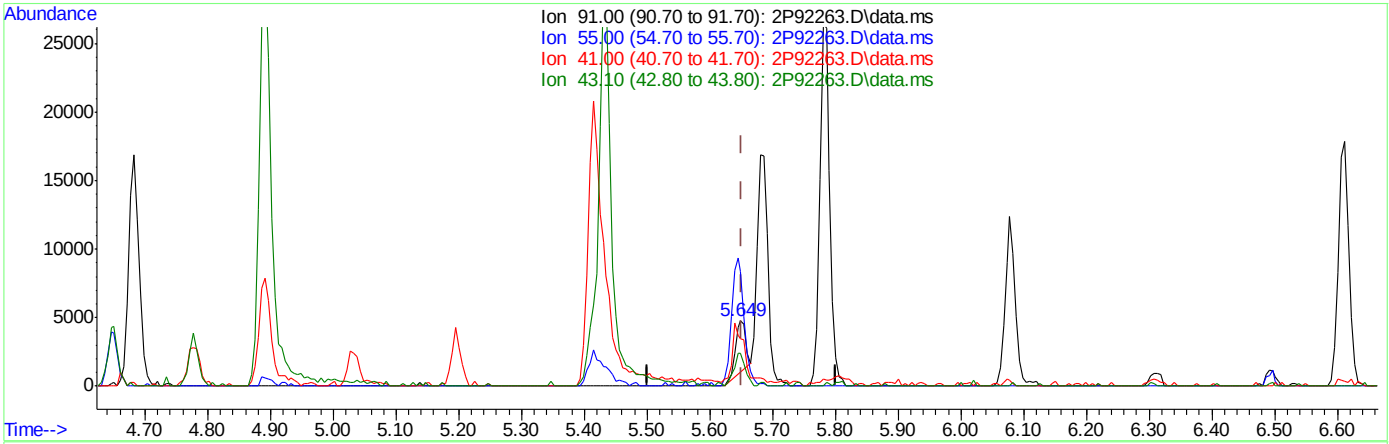
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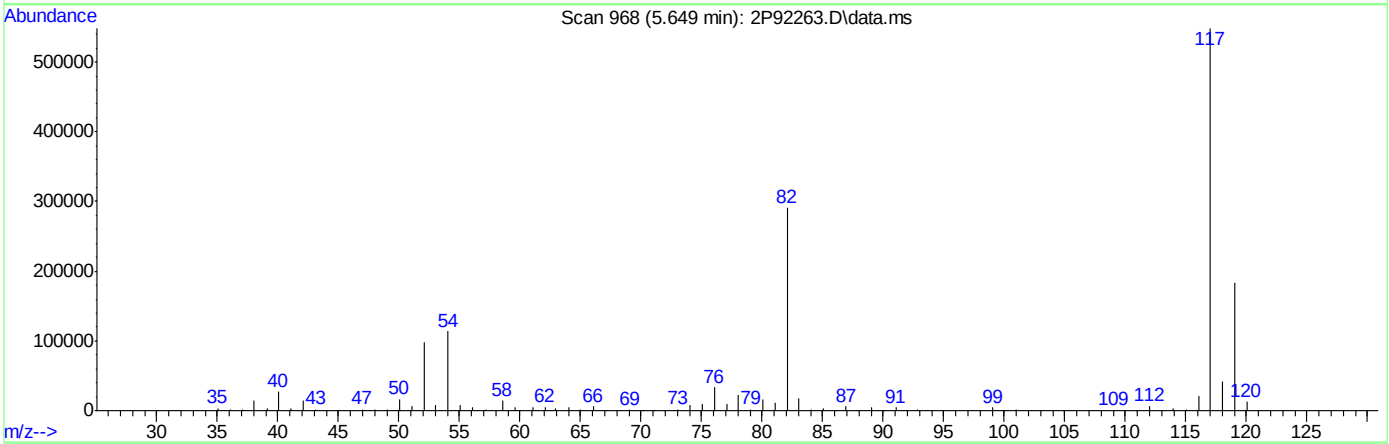
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	45.96
41.10	72.70	73.04
39.00	28.00	32.25

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 0.69ug/L

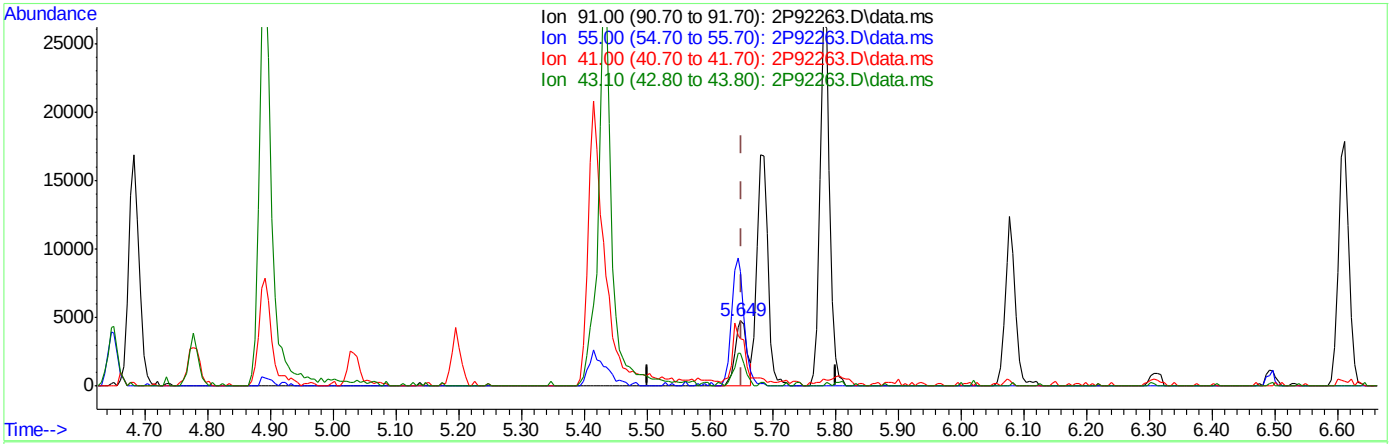
response 4594

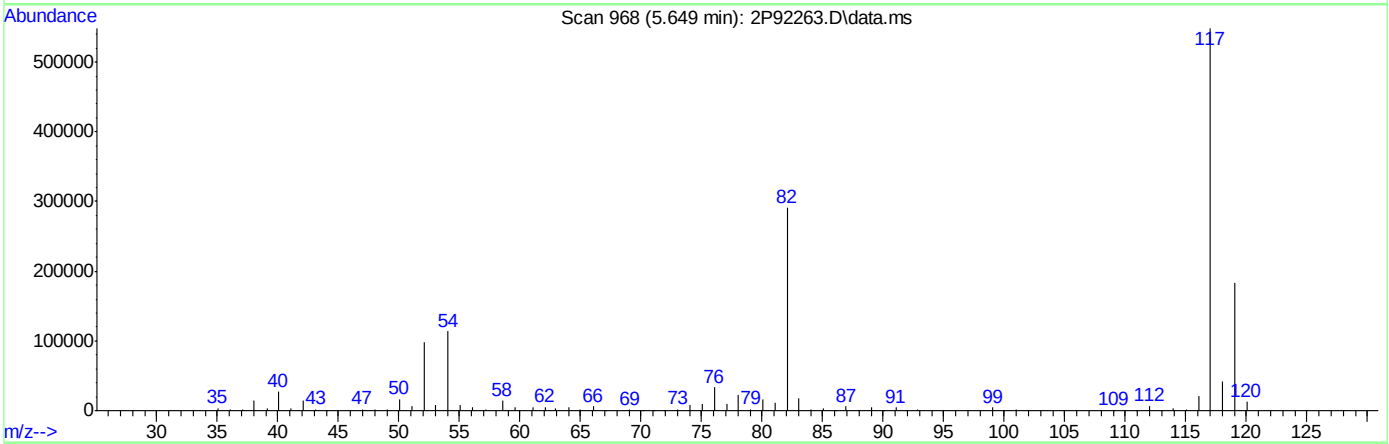
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	164.44#
41.00	83.00	62.38#
43.10	65.60	49.71

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 1.00ug/L m

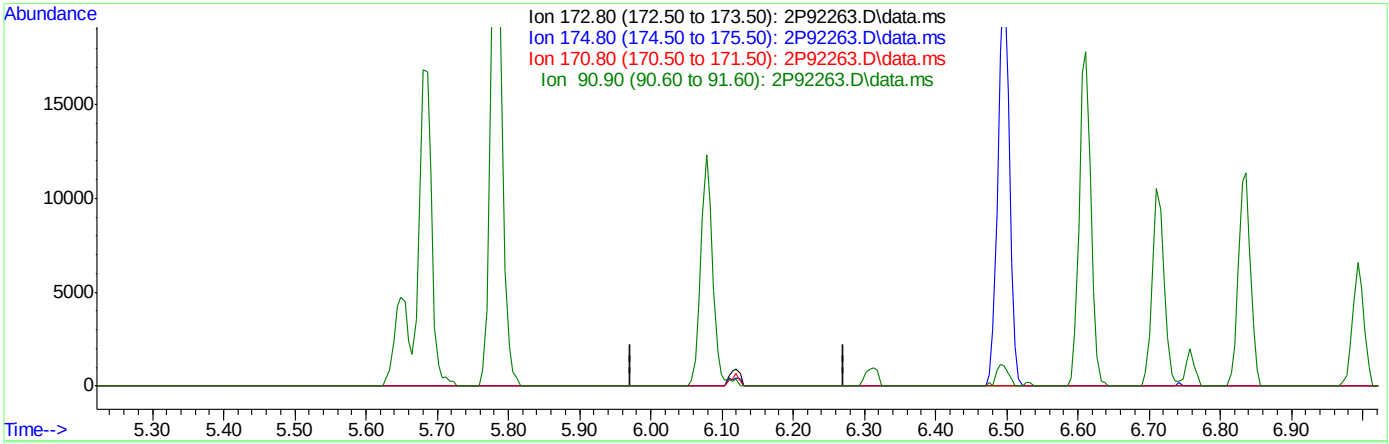
response 6715

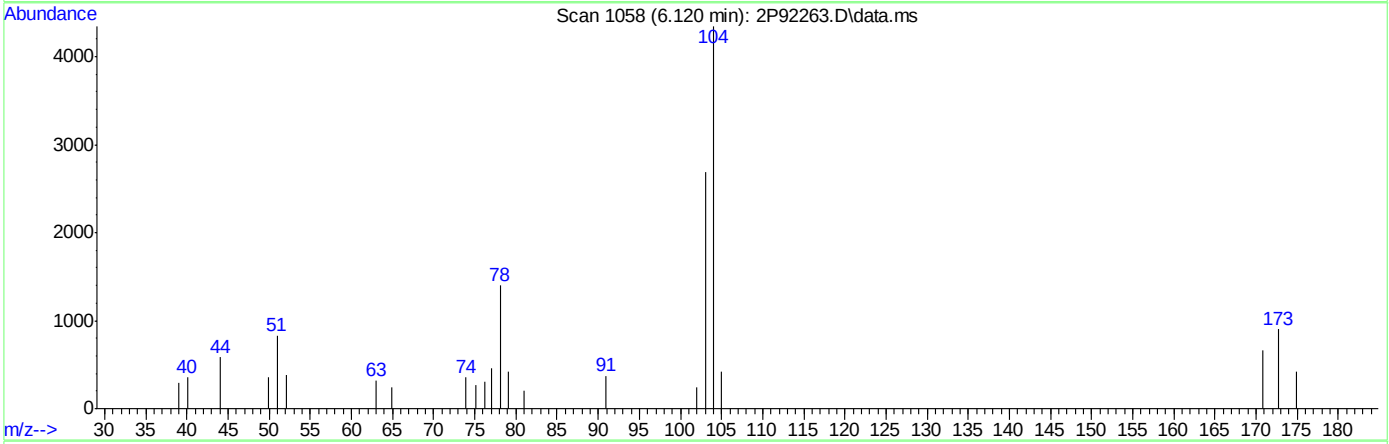
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	176.32#
41.00	83.00	73.01
43.10	65.60	49.71

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(83) Bromoform (P)

6.122min (-6.122) 0.00ug/L

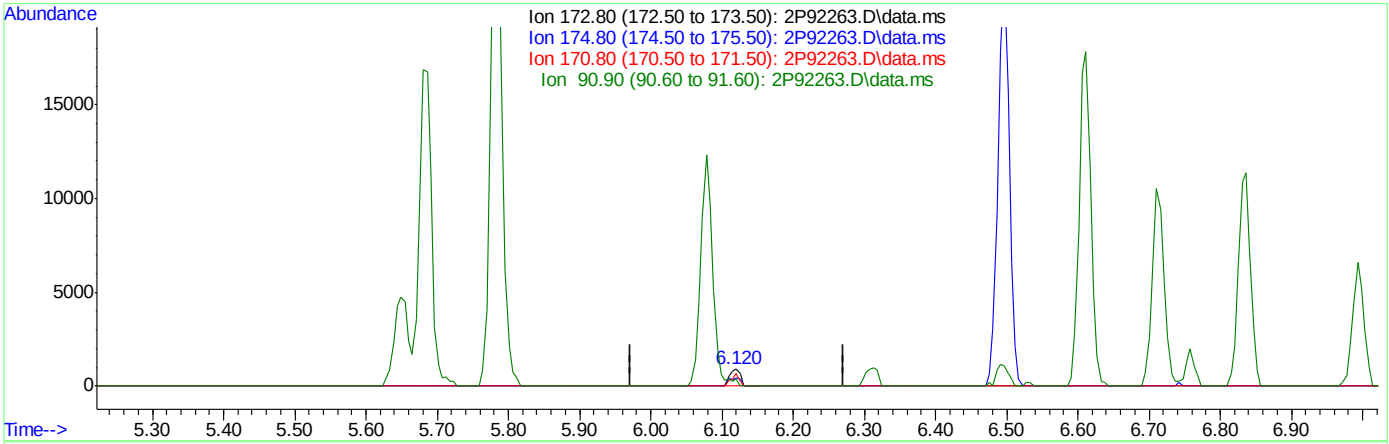
response 0

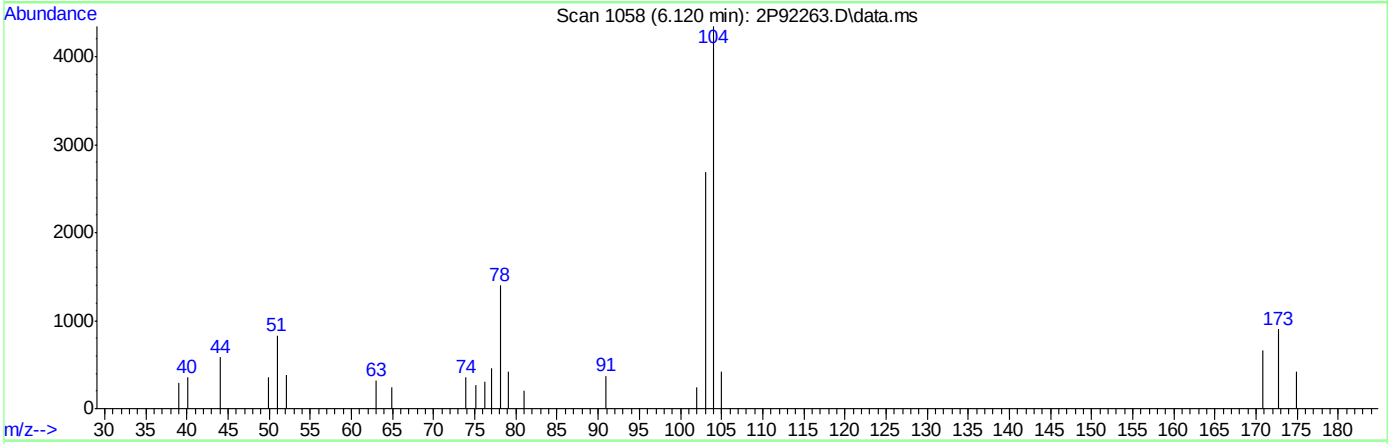
Ion	Exp%	Act%
172.80	100	0.00
174.80	46.40	0.00#
170.80	50.50	0.00#
90.90	21.40	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(83) Bromoform (P)

6.120min (-0.002) 0.54ug/L m

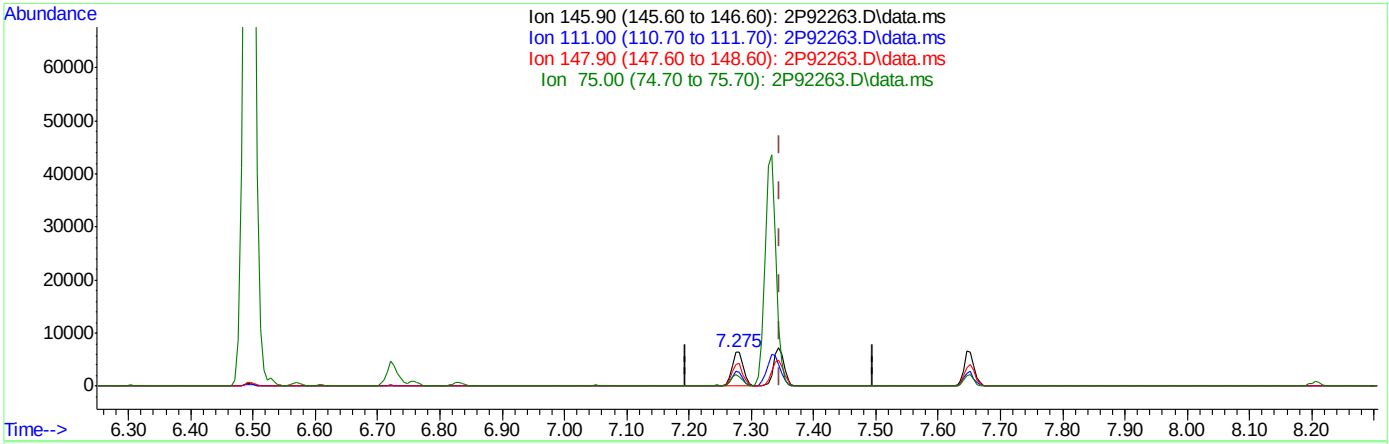
response 935

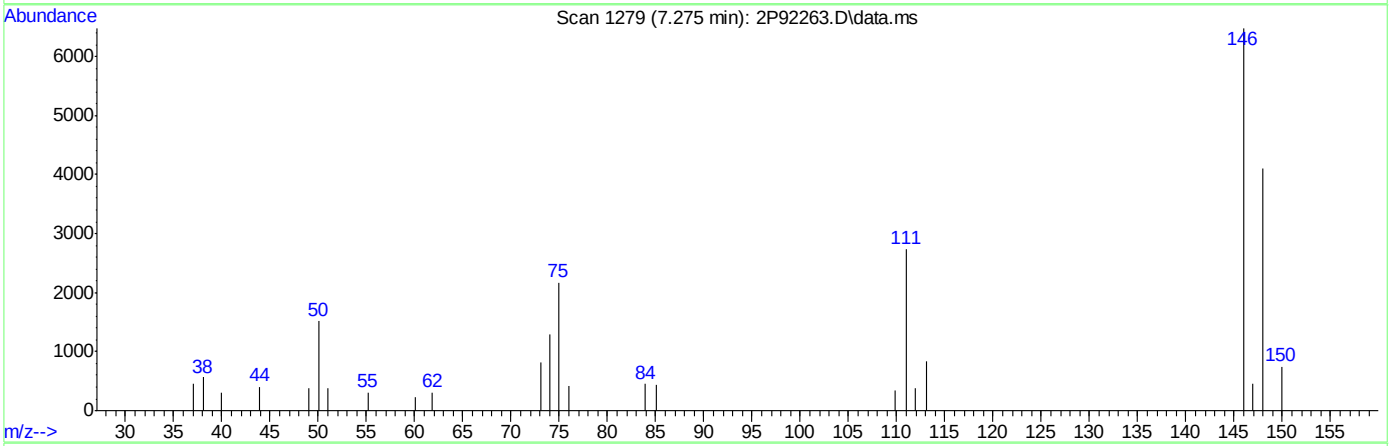
Ion	Exp%	Act%
172.80	100	100
174.80	46.40	47.28
170.80	50.50	73.03
90.90	21.40	41.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(105) 1,4-Dichlorobenzene

7.275min (-0.071) 0.87ug/L

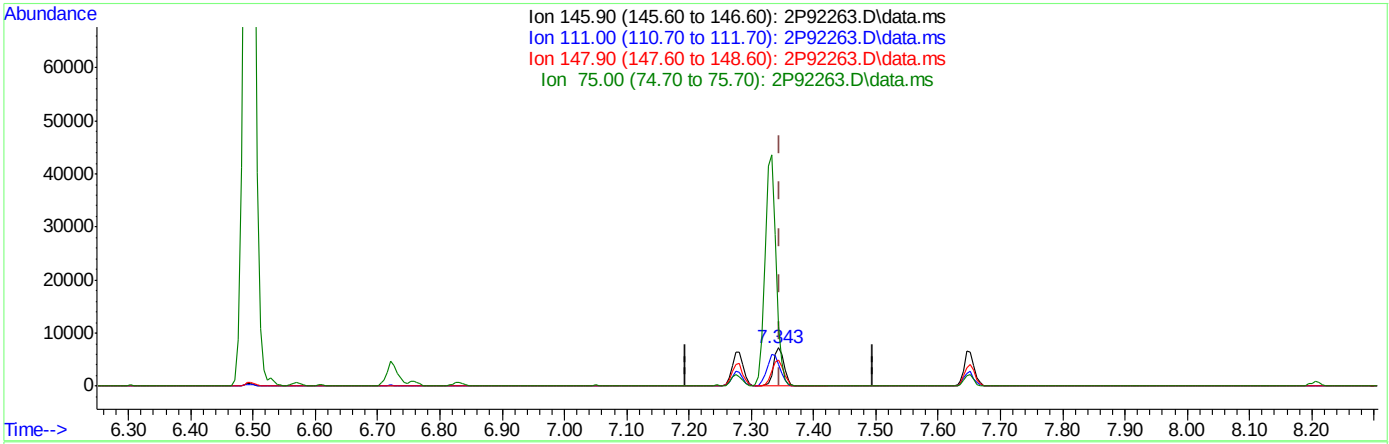
response 7813

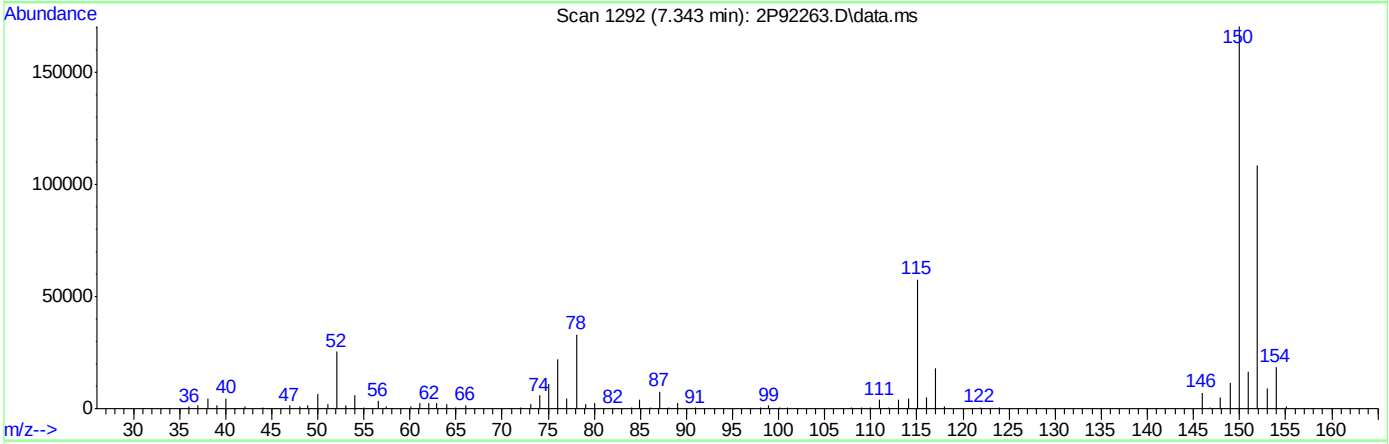
Ion	Exp%	Act%
145.90	100	100
111.00	38.90	42.36
147.90	61.90	63.43
75.00	34.60	33.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(105) 1,4-Dichlorobenzene

7.343min (-0.003) 0.91ug/L m

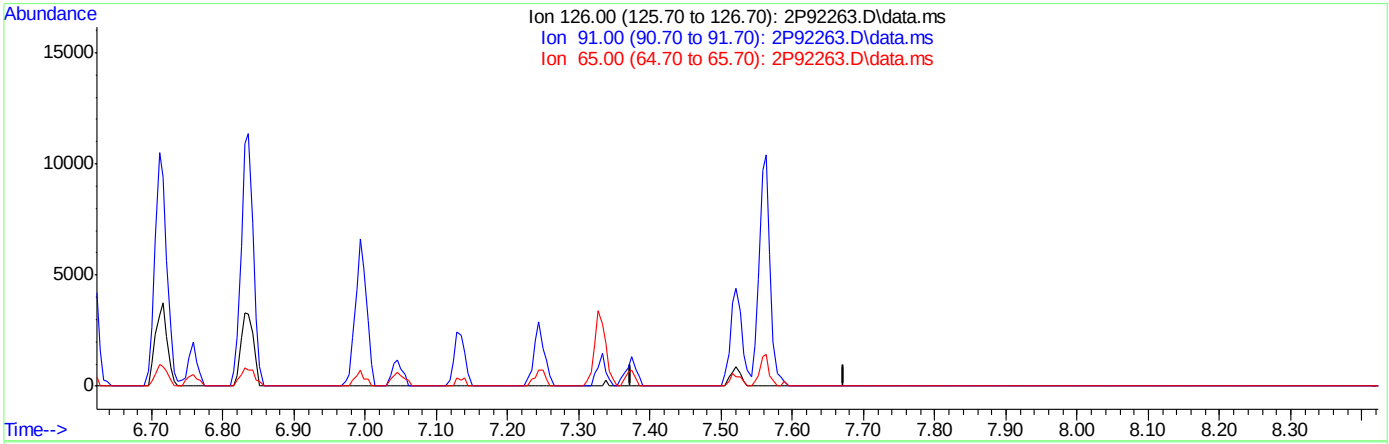
response 8240

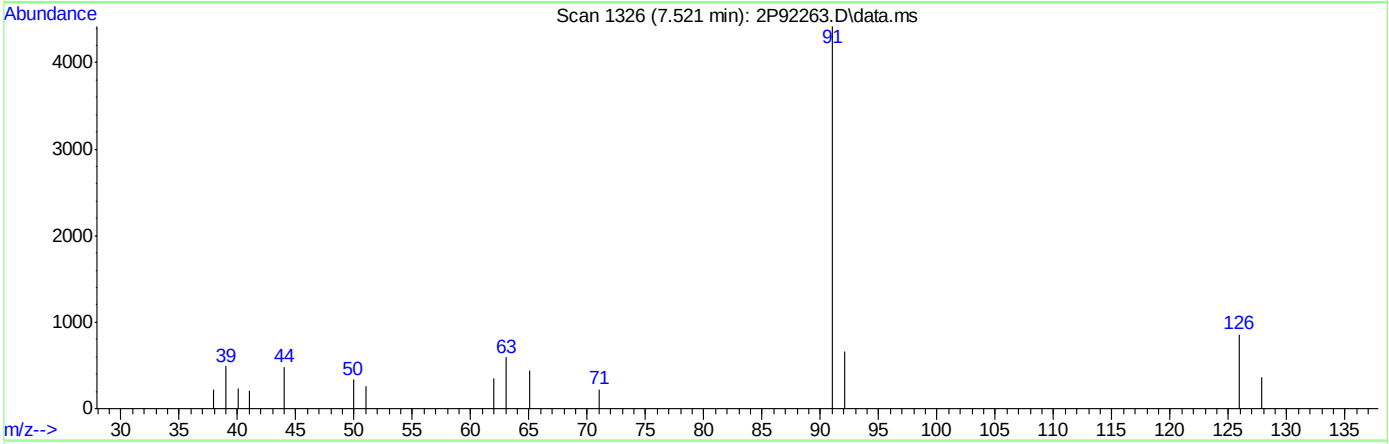
Ion	Exp%	Act%
145.90	100	100
111.00	38.90	55.61
147.90	61.90	69.94
75.00	34.60	155.89#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(107) Benzyl Chloride

7.523min (-7.523) 0.00ug/L

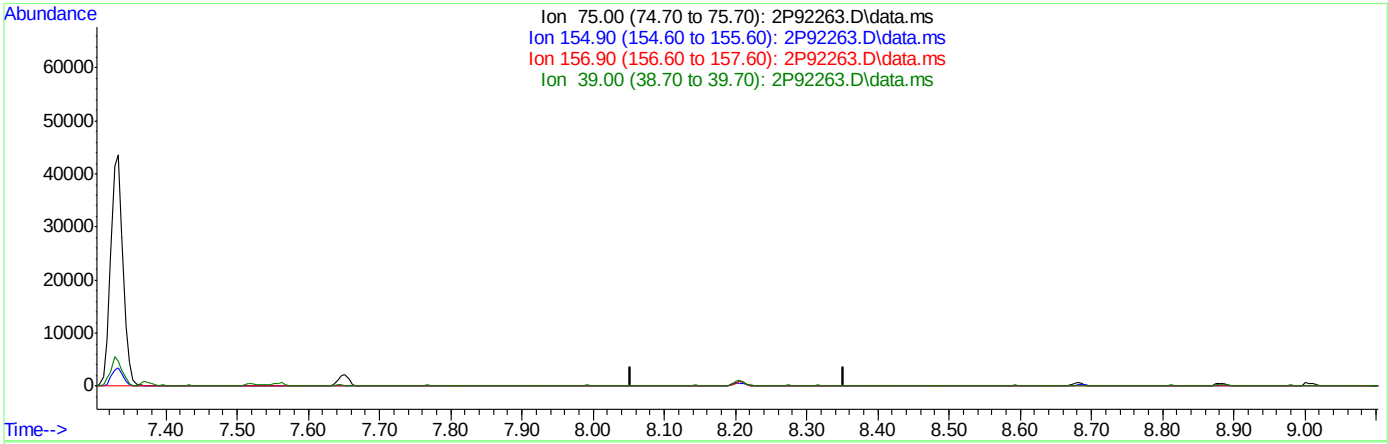
response 0

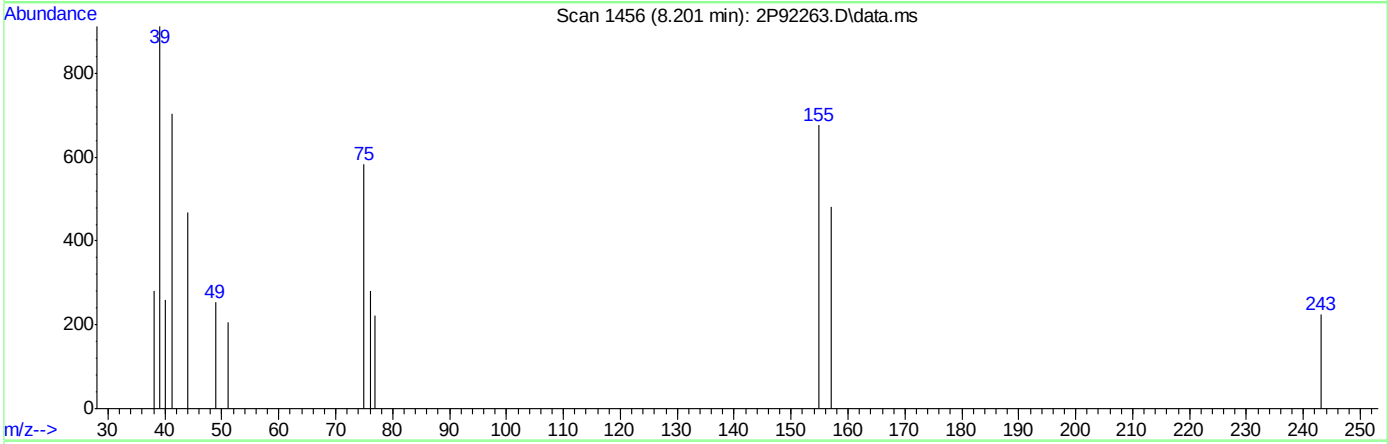
Ion	Exp%	Act%
126.00	100	0.00
91.00	524.80	0.00#
65.00	71.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(109) 1,2-Dibromo-3-Chloropropane

8.203min (-8.203) 0.00ug/L

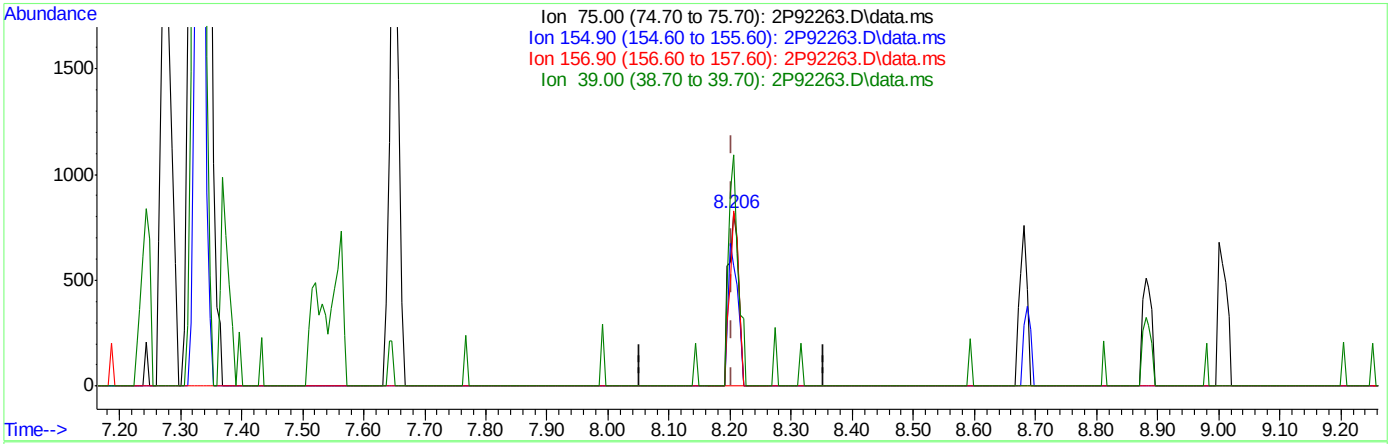
response 0

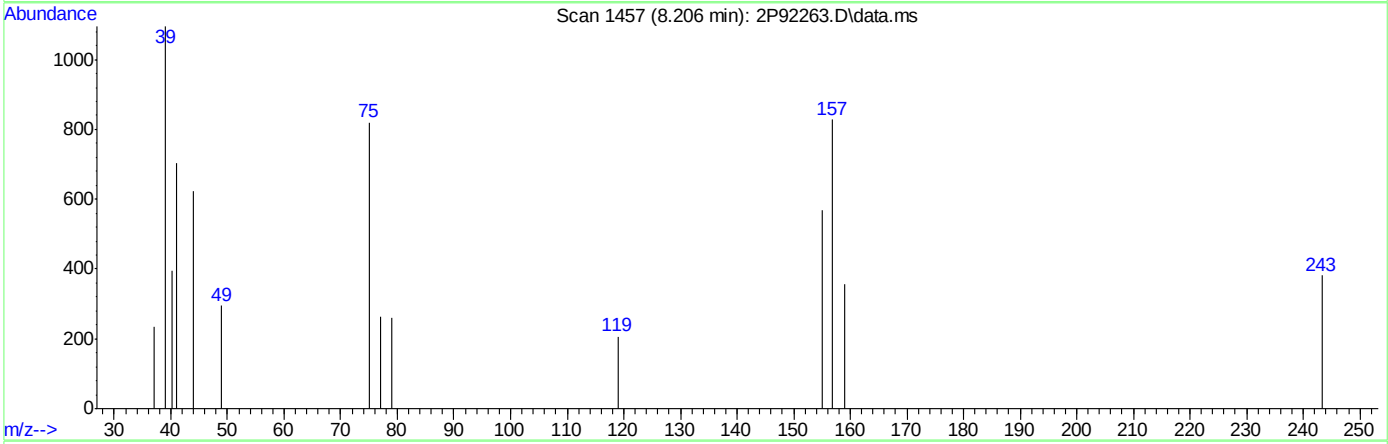
Ion	Exp%	Act%
75.00	100	0.00
154.90	74.10	0.00#
156.90	85.50	0.00#
39.00	122.20	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(109) 1,2-Dibromo-3-Chloropropane

8.206min (+0.003) 0.74ug/L m

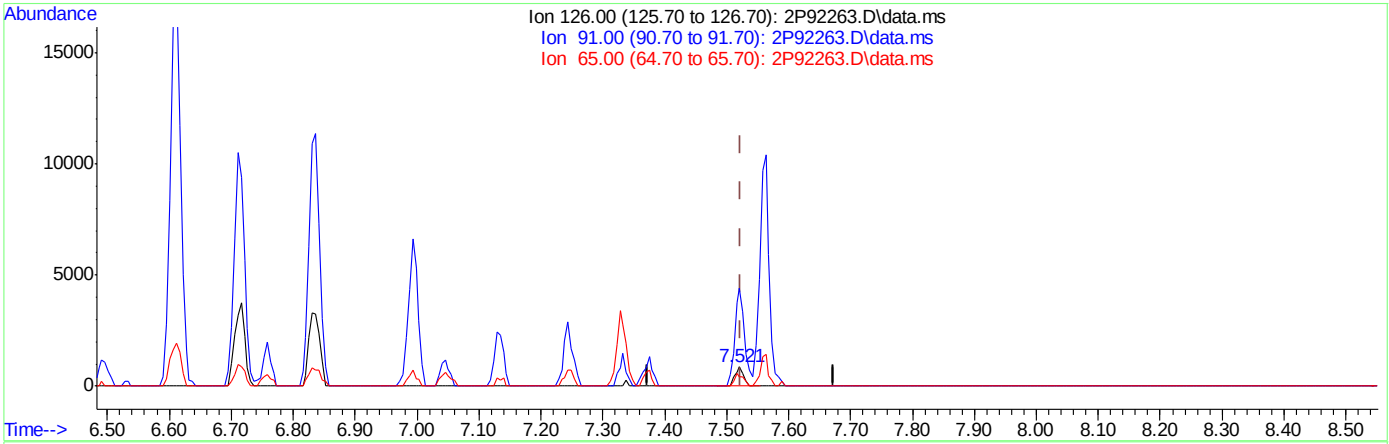
response 932

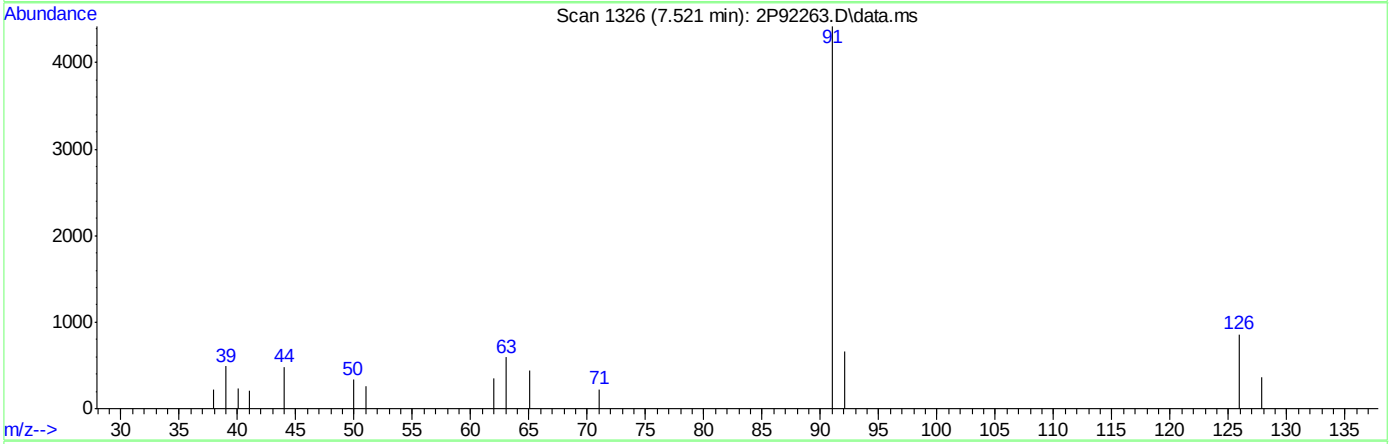
Ion	Exp%	Act%
75.00	100	100
154.90	74.10	69.60
156.90	85.50	101.10
39.00	122.20	133.70

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:08:00 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(107) Benzyl Chloride

7.521min (-0.002) 0.62ug/L m

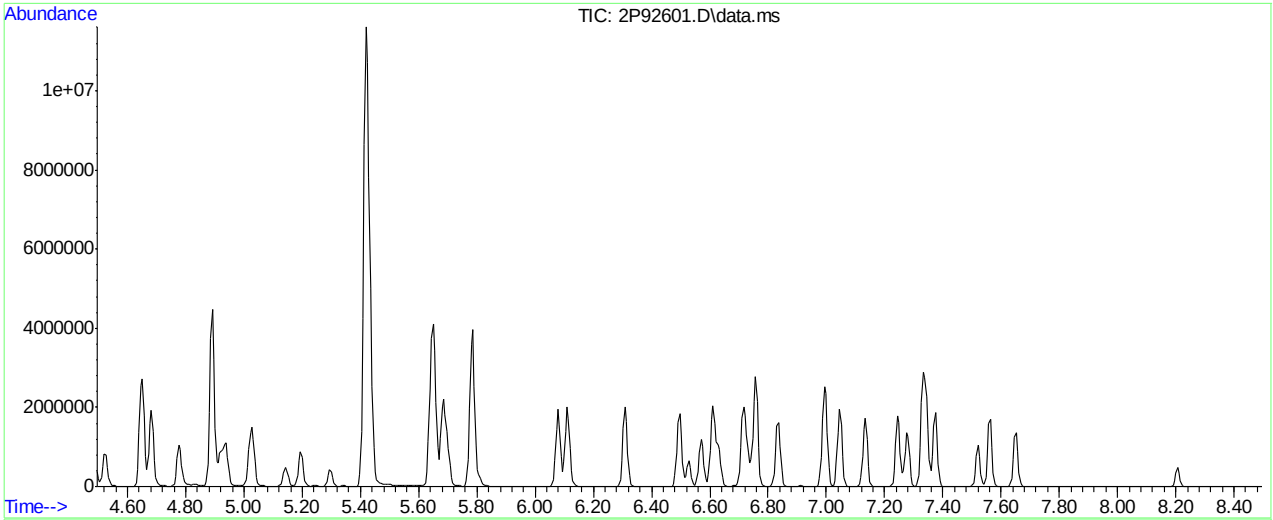
response 838

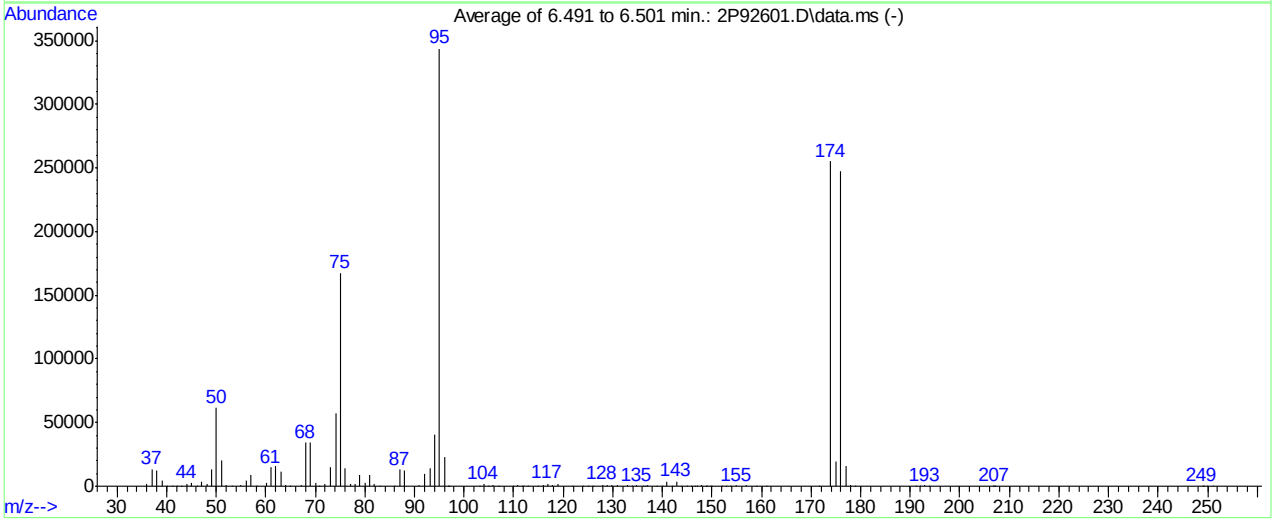
Ion	Exp%	Act%
126.00	100	100
91.00	524.80	516.36
65.00	71.60	51.29#
0.00	0.00	0.00

Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\2022-09-01\2P92601.D Vial: 52
Acq On : 1 Sep 2022 1:04 pm Operator: courtnef
Sample : BFB Inst : MSVOA13
Misc : MS52204,V2P3567,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\MET...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B





AutoFind: Scans 1129, 1130, 1131; Background Corrected with Scan 1121

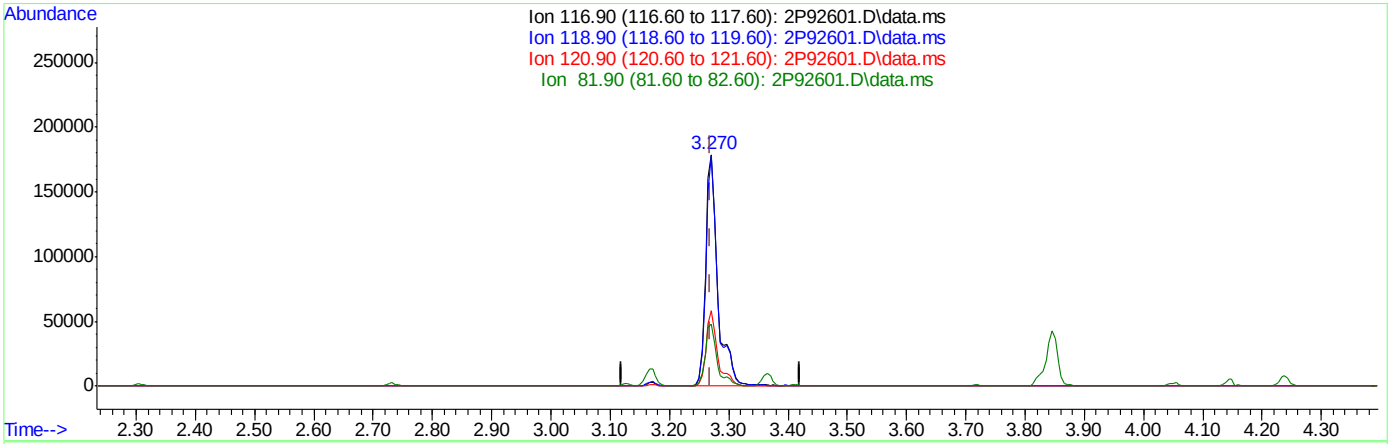
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.9	61400	PASS
75	95	30	60	48.7	167472	PASS
95	95	100	100	100.0	343808	PASS
96	95	5	9	6.7	22920	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.2	254976	PASS
175	174	5	9	7.5	19205	PASS
176	174	95	101	96.9	247082	PASS
177	176	5	9	6.5	16144	PASS

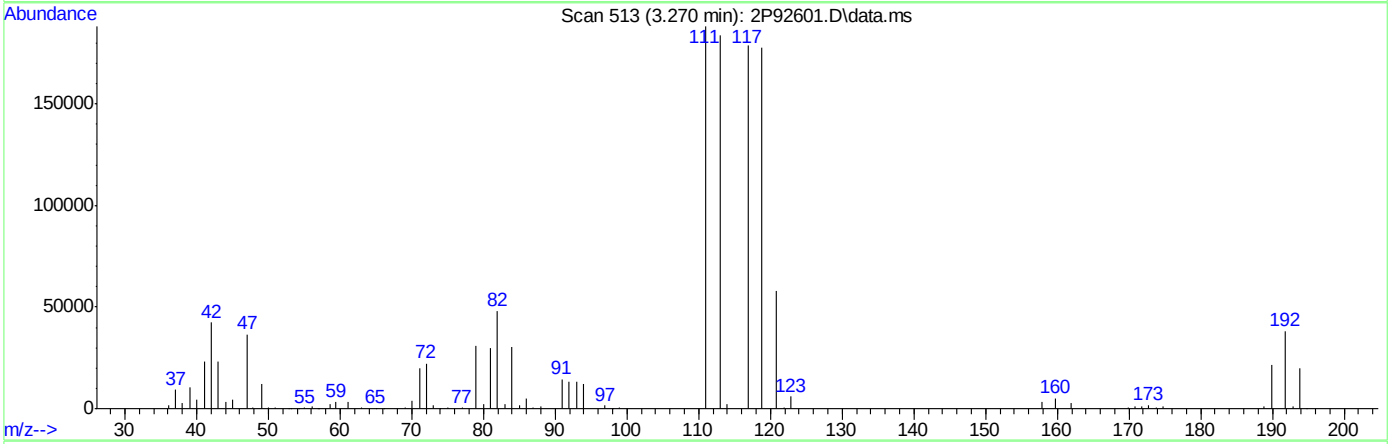
2P92601.D V2P_2022-08-24.M Thu Sep 01 13:21:17 2022

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (+0.000) 49.81ug/L

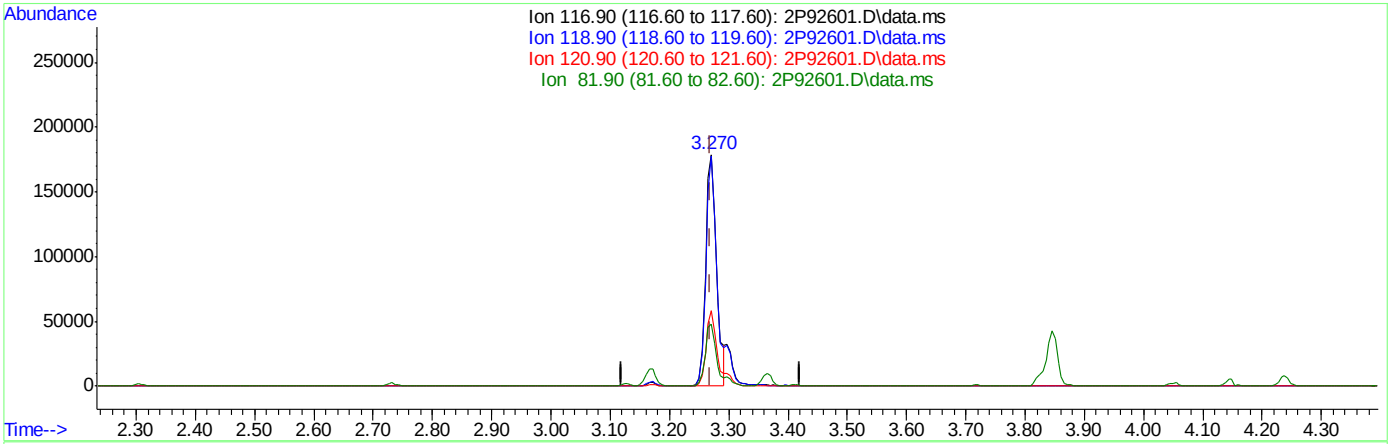
response 256801

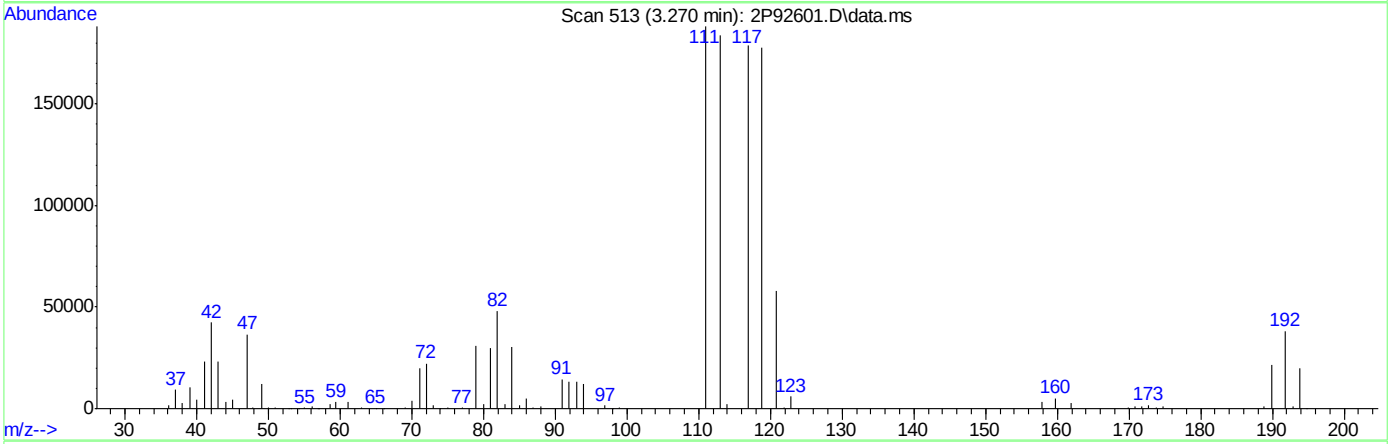
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.21
120.90	29.50	32.50
81.90	28.30	26.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (+0.000) 44.51ug/L m

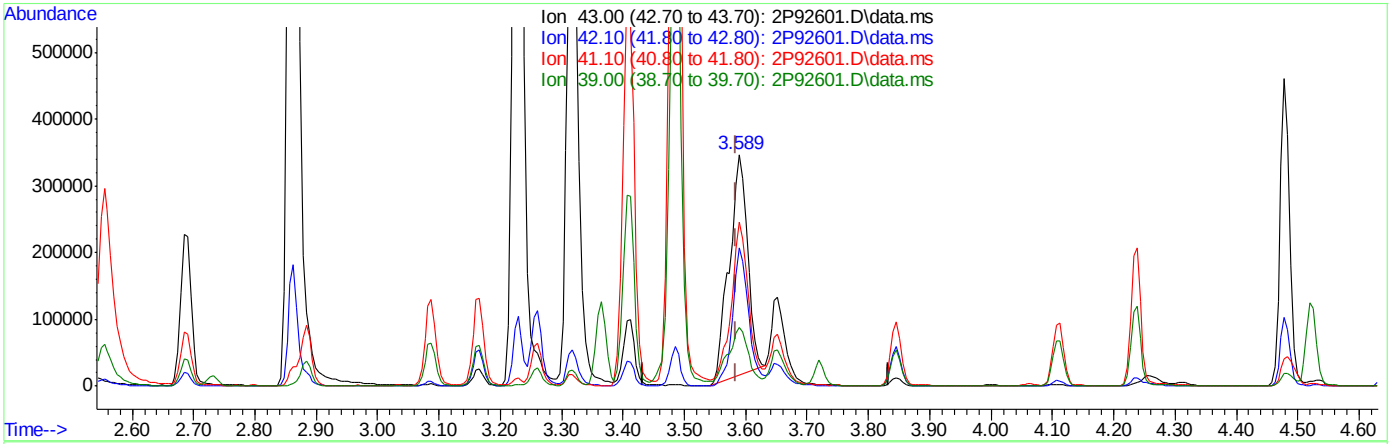
response 225717

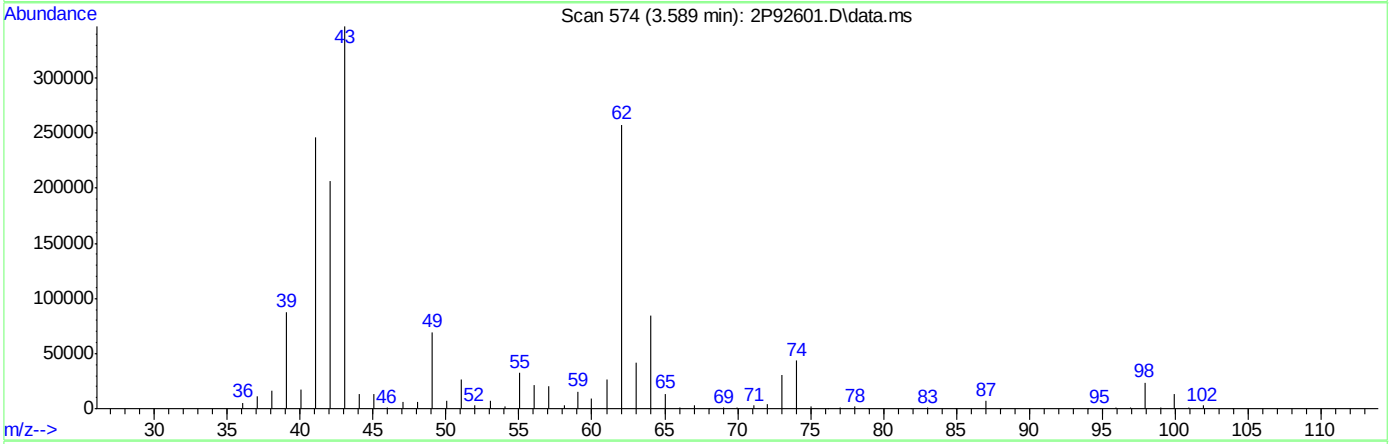
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.21
120.90	29.50	32.50
81.90	28.30	26.93

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 883.63ug/L

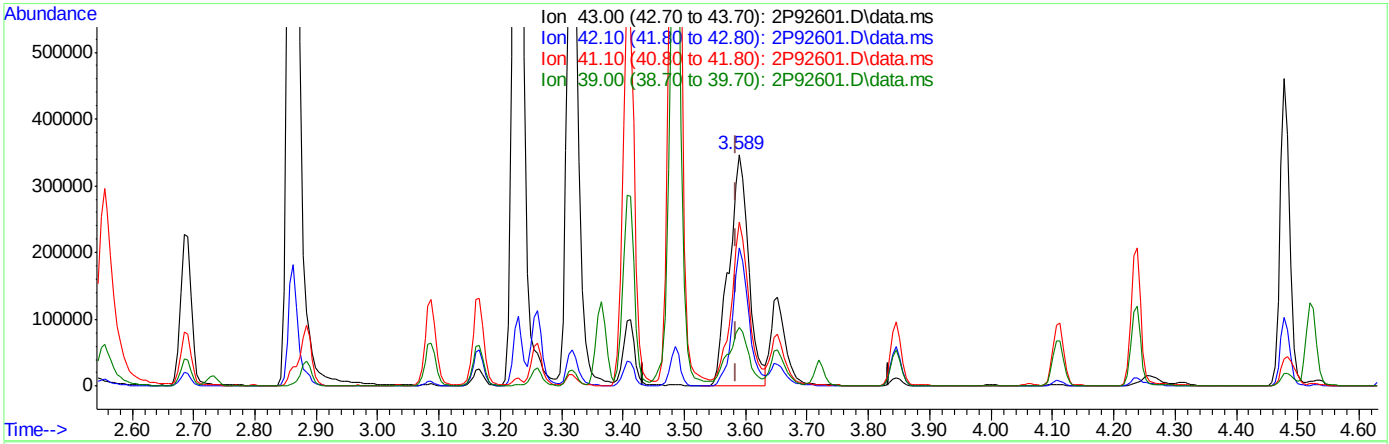
response 686070

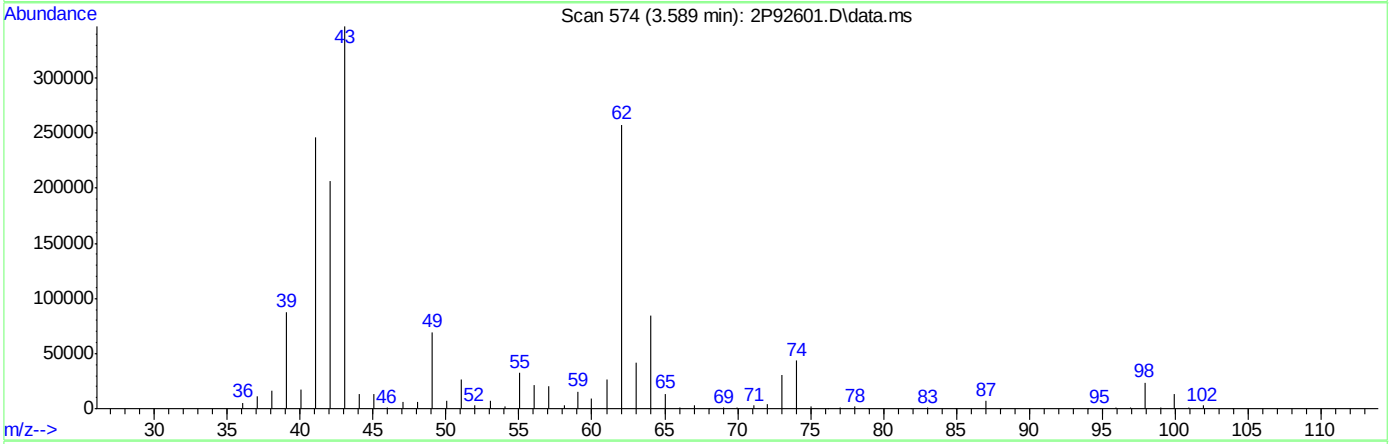
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	59.71
41.10	70.00	68.79
39.00	27.50	23.44

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 990.79ug/L m

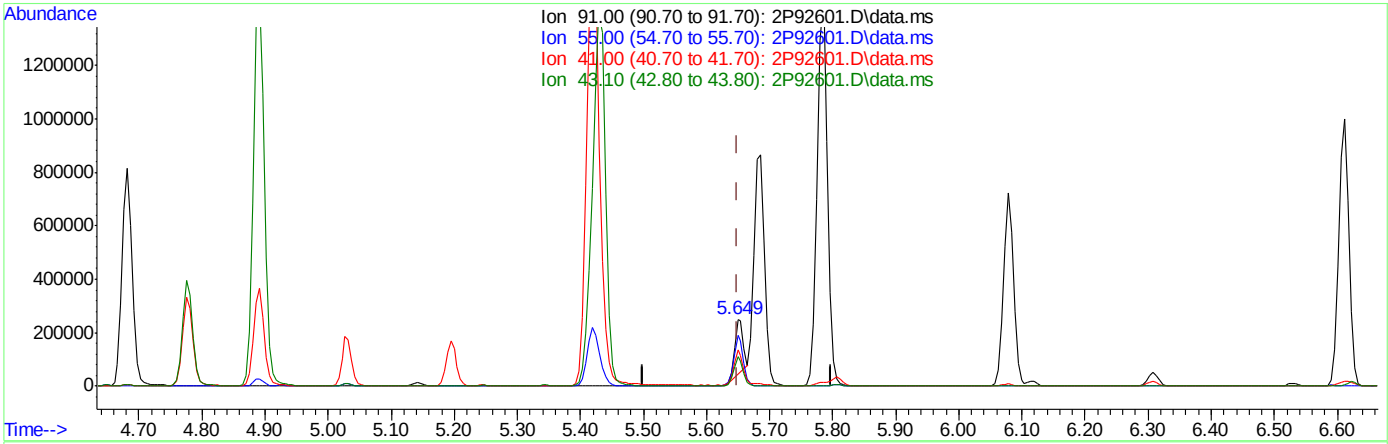
response 769270

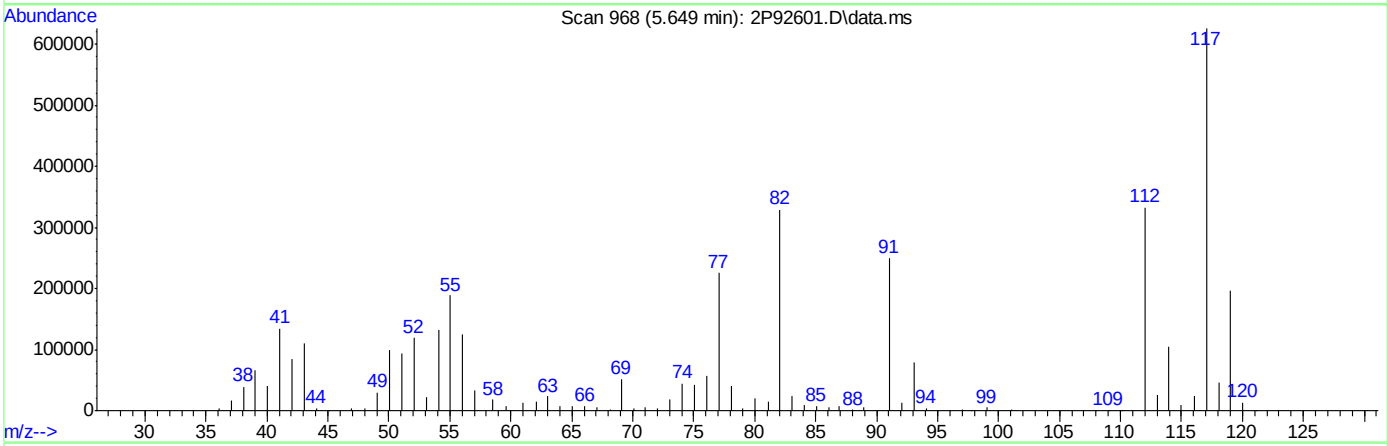
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	59.64
41.10	70.00	71.00
39.00	27.50	25.29

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 29.34ug/L

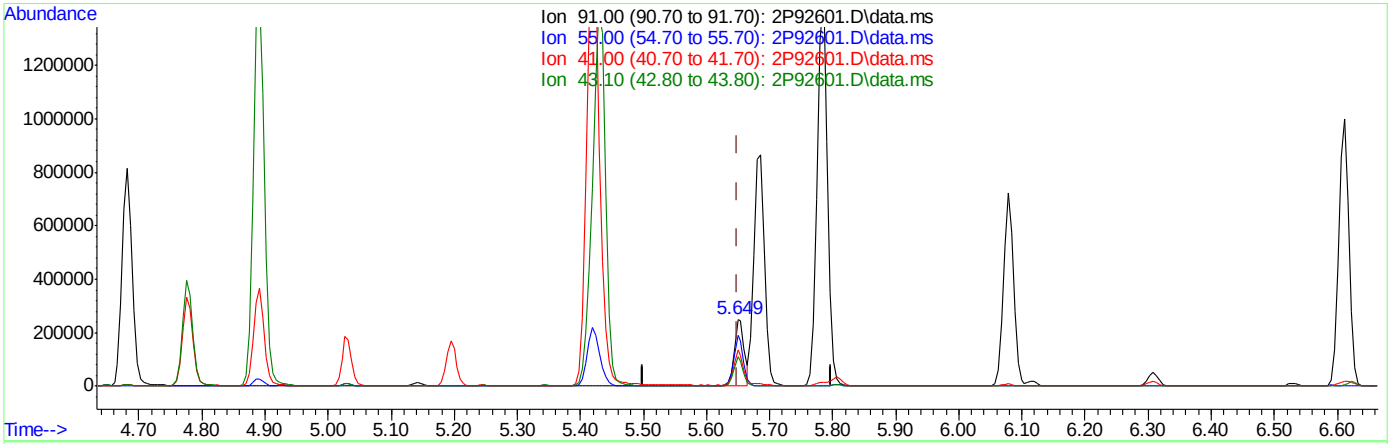
response 204607

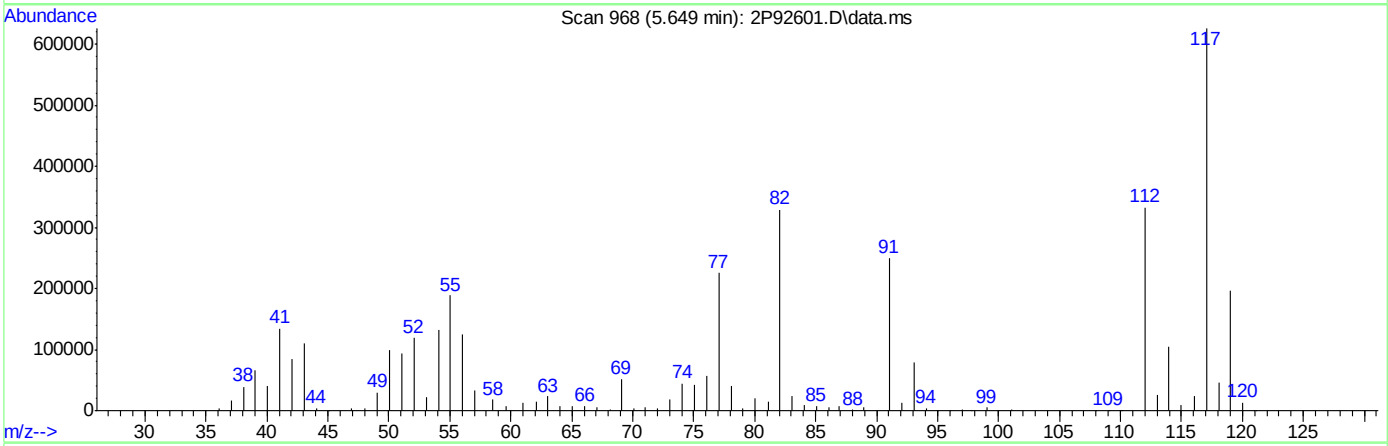
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	72.50
41.00	53.40	51.21
43.10	41.30	43.37

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 41.10ug/L m

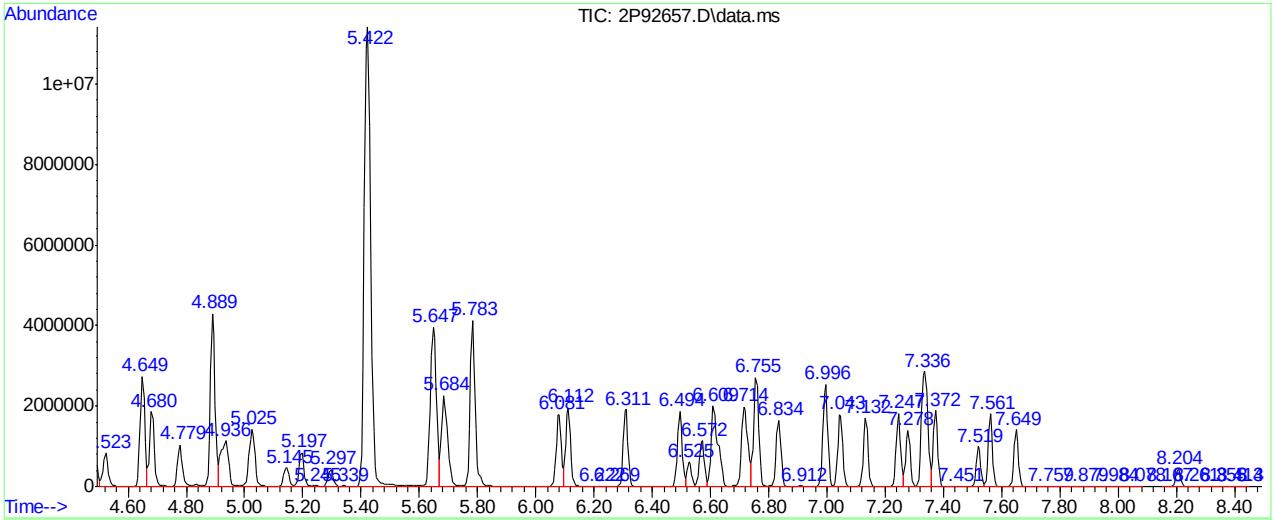
response 286598

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	75.39
41.00	53.40	53.82
43.10	41.30	44.27

Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\2022-09-06\2P92657.D Vial: 52
Acq On : 6 Sep 2022 11:31 am Operator: courtnef
Sample : BFB Inst : MSVOA13
Misc : MS52204,V2P3568,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\MET...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1128, 1129, 1130; Background Corrected with Scan 1121

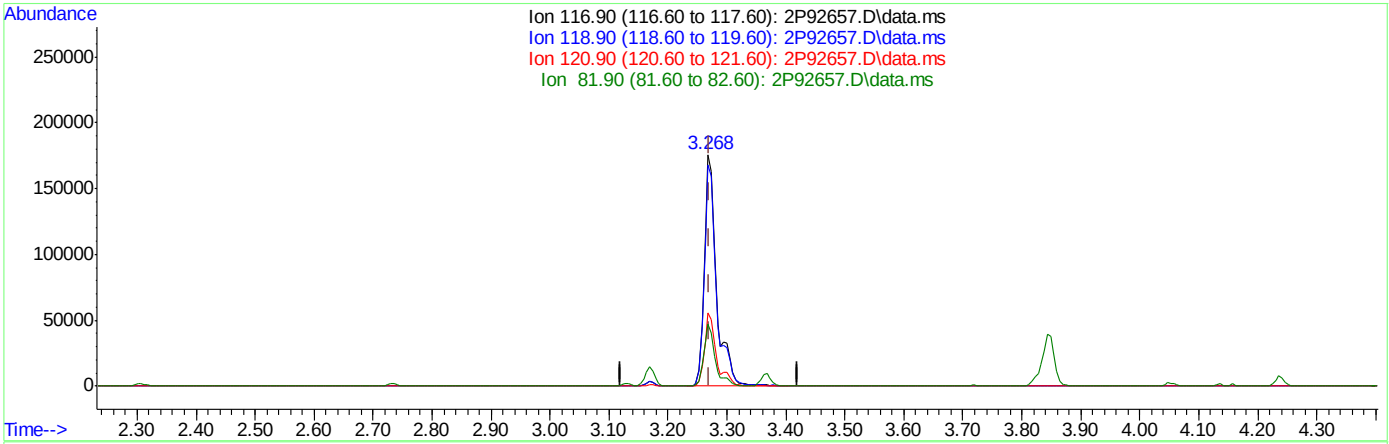
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	63869	PASS
75	95	30	60	48.9	169002	PASS
95	95	100	100	100.0	345770	PASS
96	95	5	9	6.6	22698	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	72.3	249920	PASS
175	174	5	9	7.6	19109	PASS
176	174	95	101	96.9	242261	PASS
177	176	5	9	6.3	15345	PASS

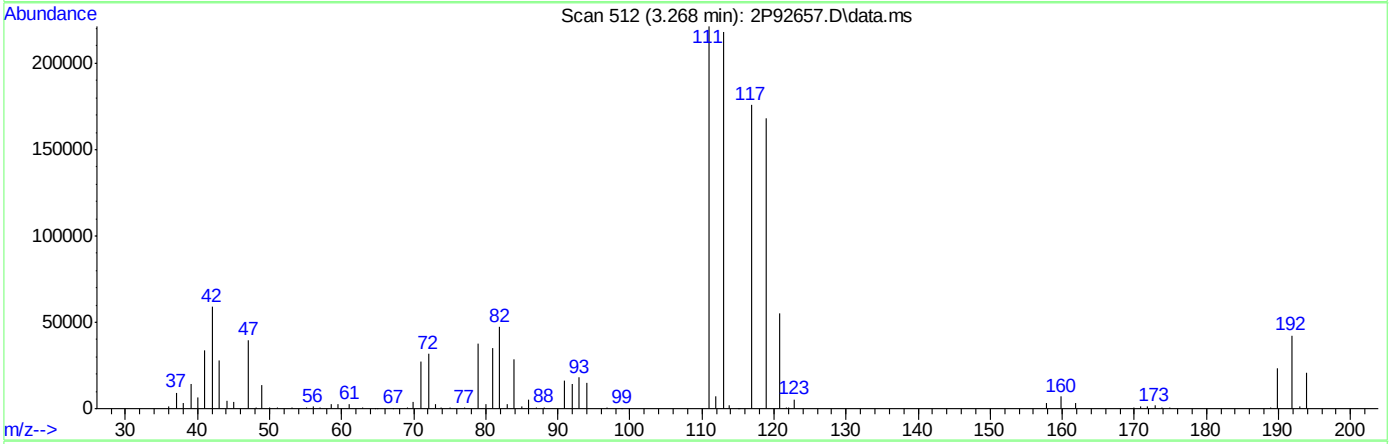
2P92657.D V2P_2022-08-24.M Tue Sep 06 11:47:33 2022

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (-0.002) 51.64ug/L

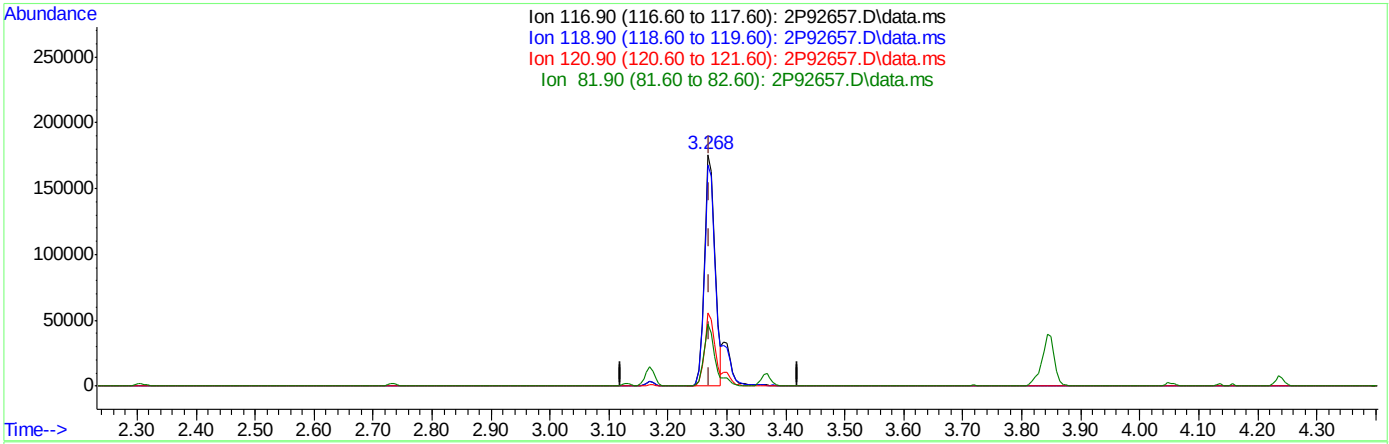
response 255656

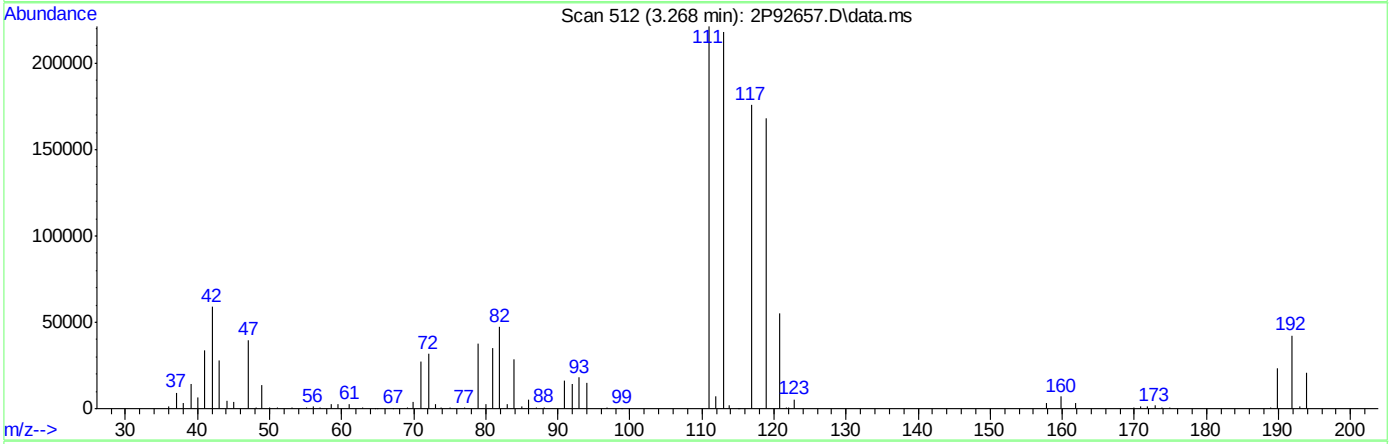
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	95.49
120.90	29.50	31.45
81.90	28.30	26.68

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (-0.002) 45.08ug/L m

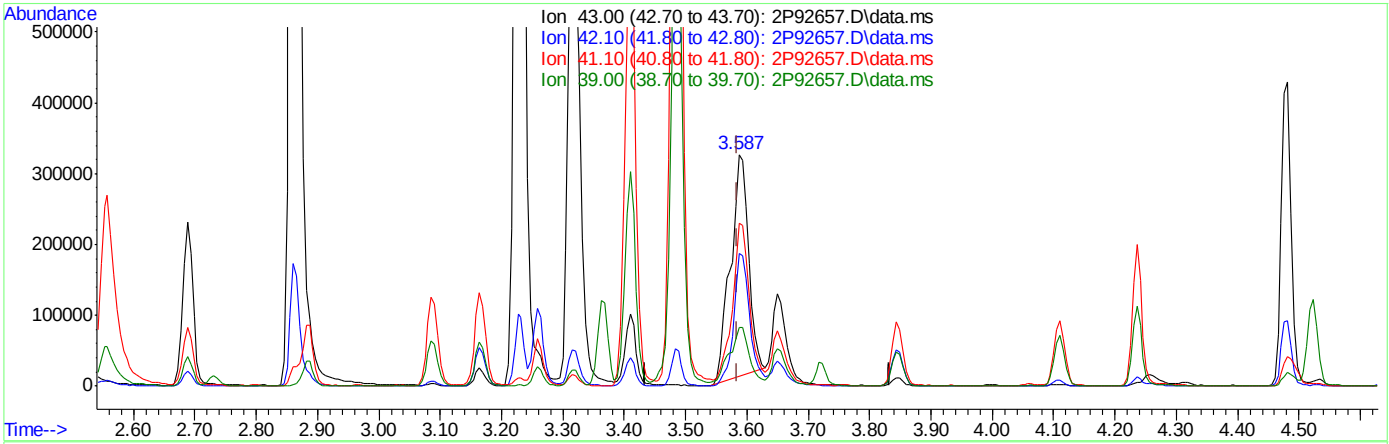
response 218696

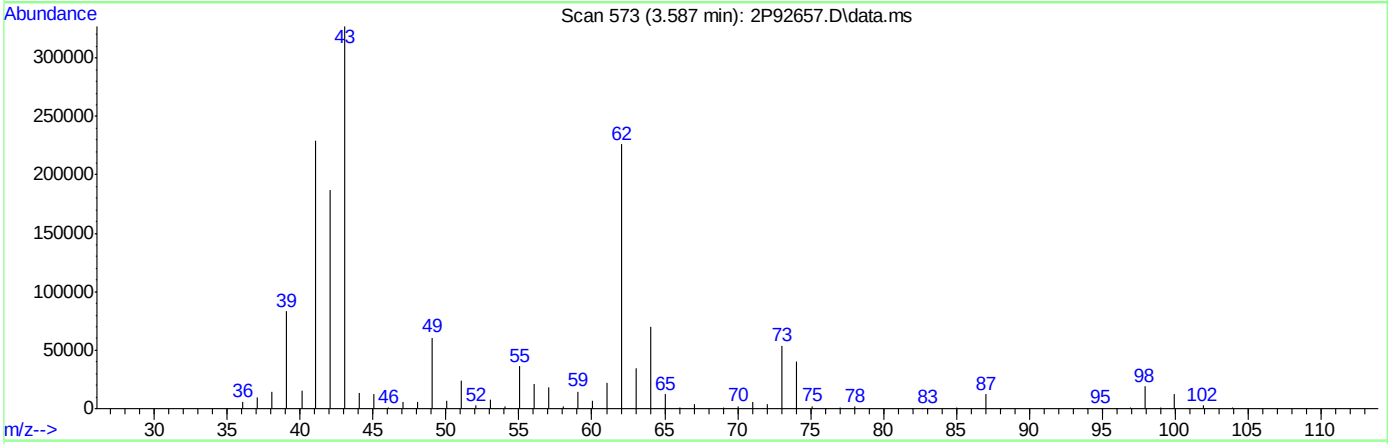
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	95.49
120.90	29.50	31.45
81.90	28.30	26.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(50) Isobutyl alcohol

3.587min (+0.003) 862.67ug/L

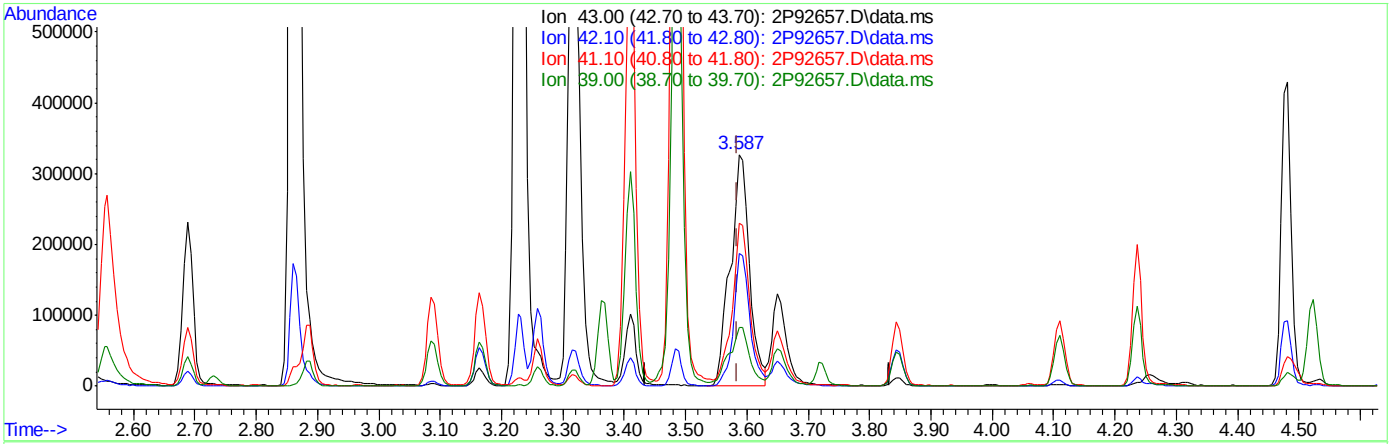
response 639605

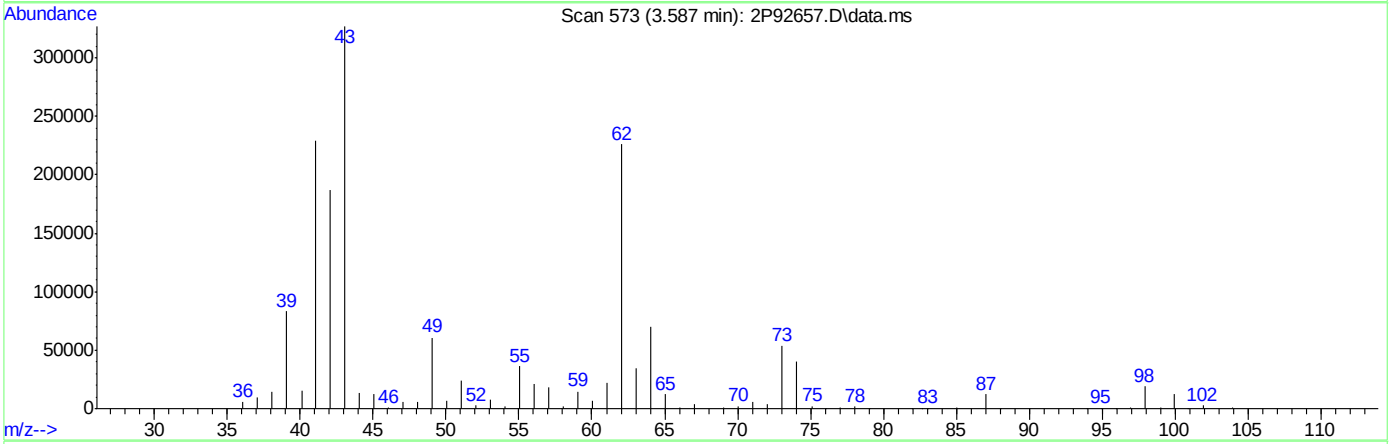
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.18
41.10	70.00	67.34
39.00	27.50	23.68

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(50) Isobutyl alcohol

3.587min (+0.003) 957.60ug/L m

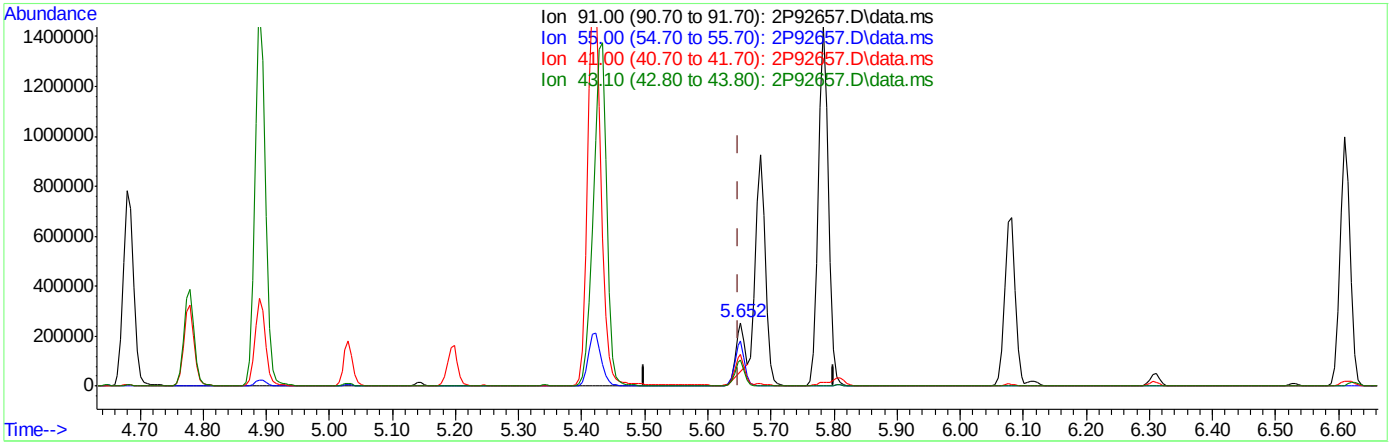
response 709989

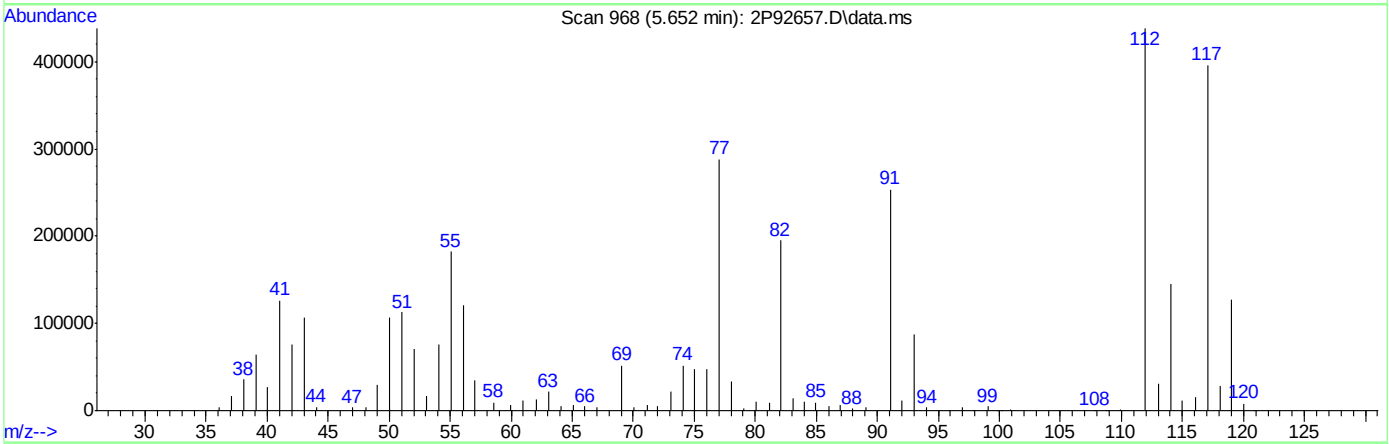
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.28
41.10	70.00	70.16
39.00	27.50	25.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(76) 1-Chlorohexane

5.652min (+0.003) 27.78ug/L

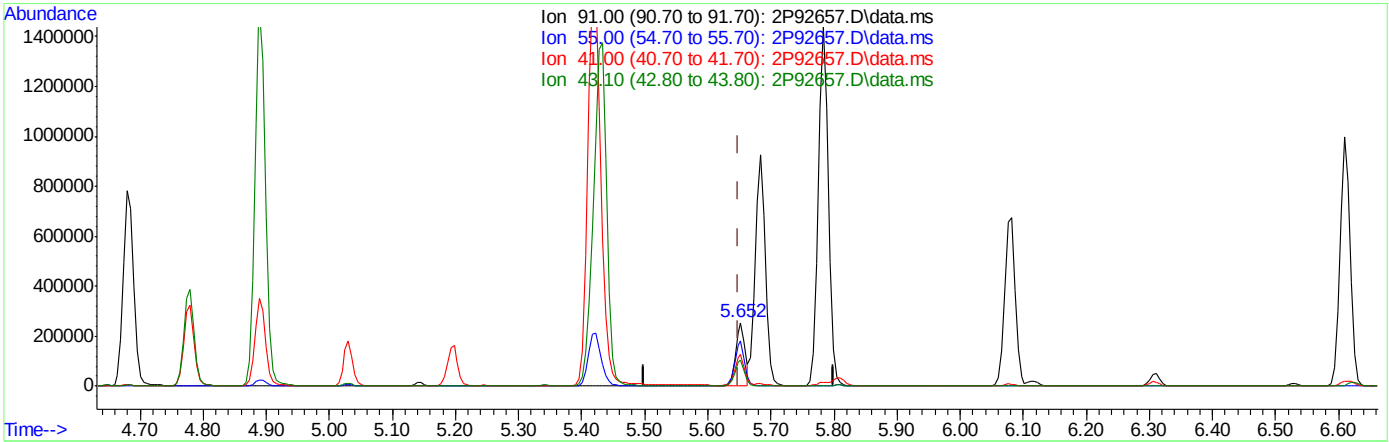
response 187758

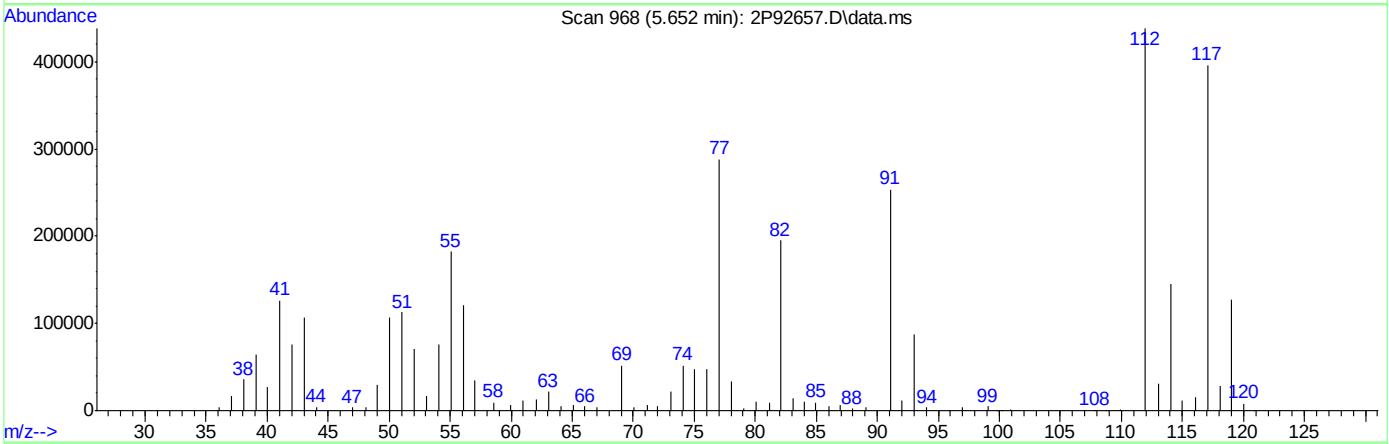
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	69.72
41.00	53.40	47.68
43.10	41.30	41.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(76) 1-Chlorohexane

5.652min (+0.003) 40.48ug/L m

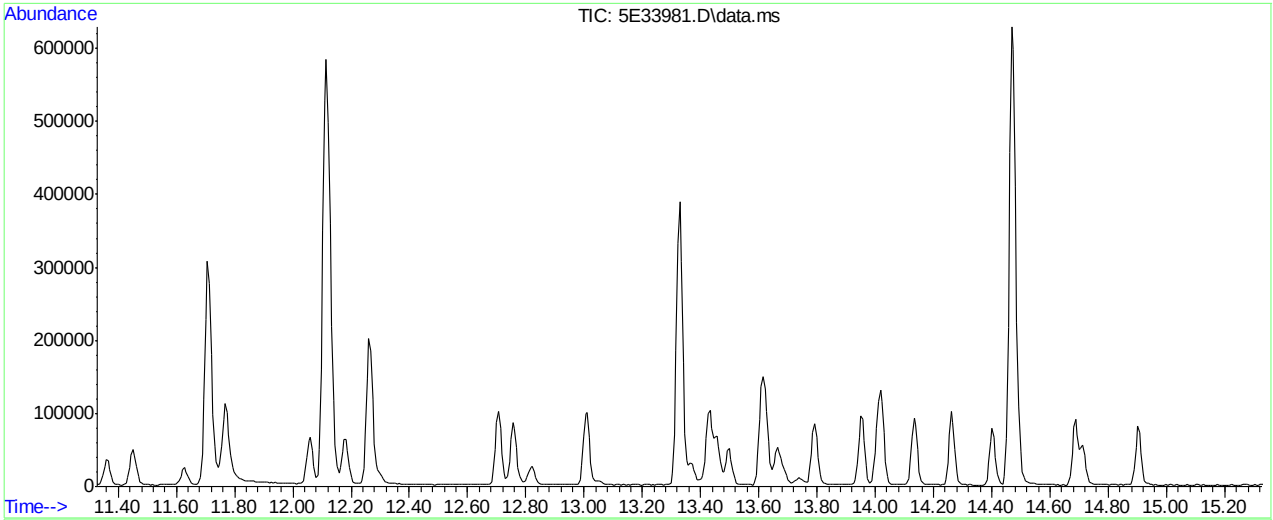
response 273596

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	71.81
41.00	53.40	49.81
43.10	41.30	42.26

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\09-06-2022\5E33981.D Vial: 4
Acq On : 6 Sep 2022 1:53 pm Operator: courtnef
Sample : BFB Inst : MSVOA20
Misc : MS52257,V5E1549,,,,, Multiplr: 1.00
MS Integration Params: ult...ll.p

Method : C:\msdchem\1\met...pIX09-06-2022_.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624



AutoFind: Scans 2007, 2008, 2009; Background Corrected with Scan 2000

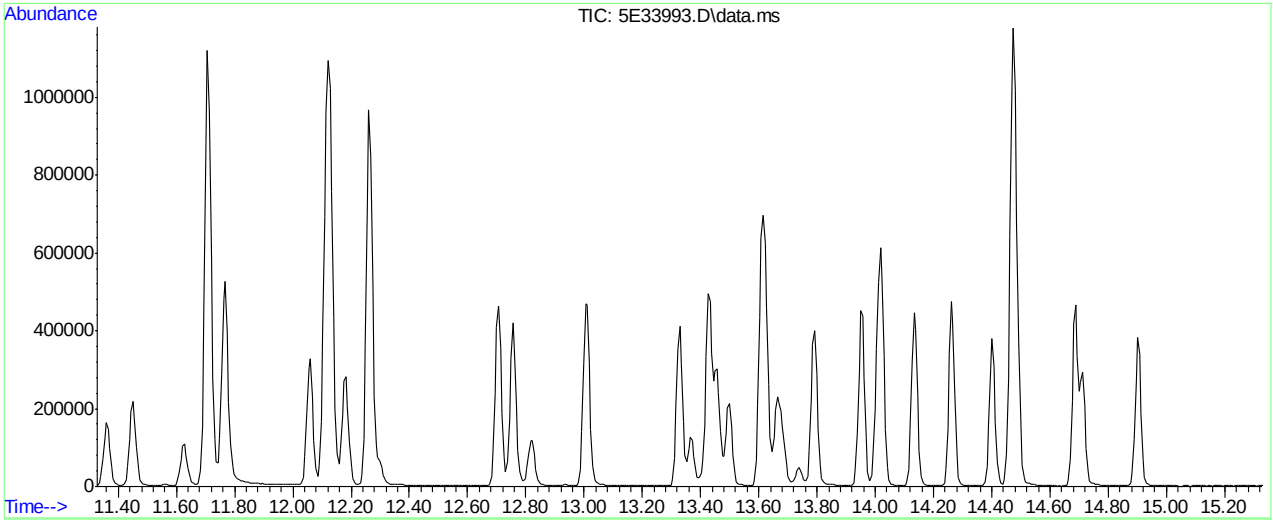
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.1	16810	PASS
75	95	30	60	44.8	30064	PASS
95	95	100	100	100.0	67037	PASS
96	95	5	9	6.7	4468	PASS
173	174	0.00	2	0.7	431	PASS
174	95	50	100	87.4	58603	PASS
175	174	5	9	7.3	4256	PASS
176	174	95	101	97.2	56984	PASS
177	176	5	9	6.5	3711	PASS

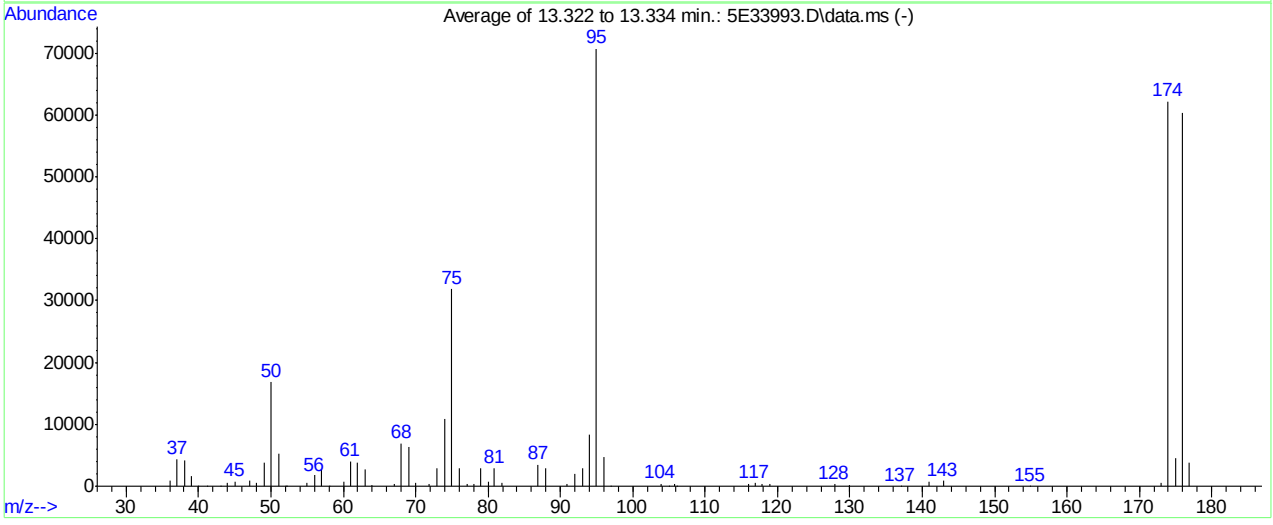
5E33981.D appIX09-06-2022_.M Tue Sep 06 15:04:02 2022

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\09-07-2022\5E33993.D Vial: 2
Acq On : 7 Sep 2022 9:23 am Operator: courtnef
Sample : BFB Inst : MSVOA20
Misc : MS52257,V5E1550,,,,, Multiplr: 1.00
MS Integration Params: ult...ll.p

Method : C:\msdchem\1\met...pIX09-06-2022_.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624





AutoFind: Scans 2007, 2008, 2009; Background Corrected with Scan 2000

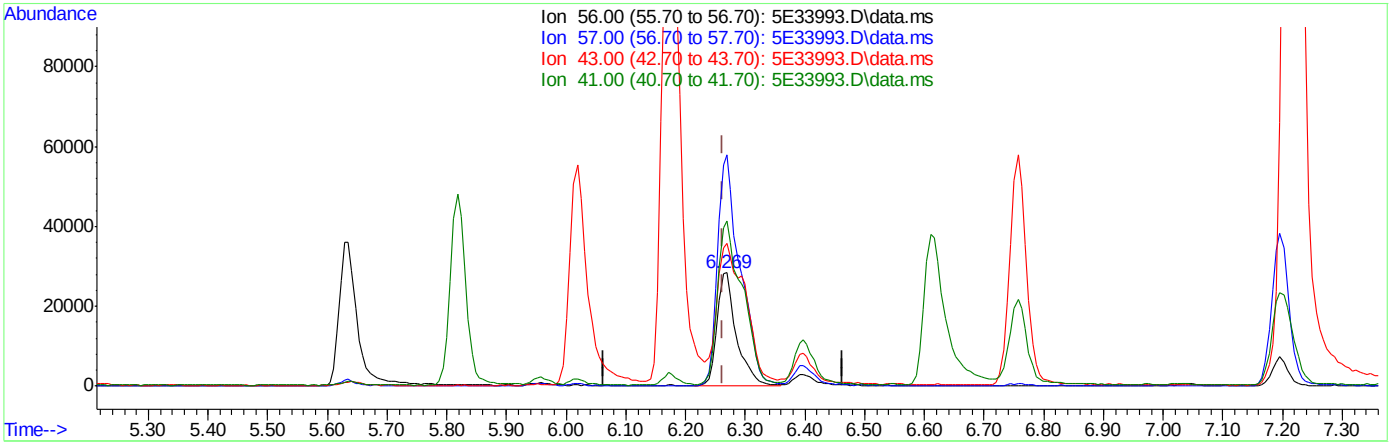
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.8	16844	PASS
75	95	30	60	45.1	31872	PASS
95	95	100	100	100.0	70736	PASS
96	95	5	9	6.8	4779	PASS
173	174	0.00	2	0.8	523	PASS
174	95	50	100	87.9	62195	PASS
175	174	5	9	7.3	4521	PASS
176	174	95	101	97.1	60365	PASS
177	176	5	9	6.5	3900	PASS

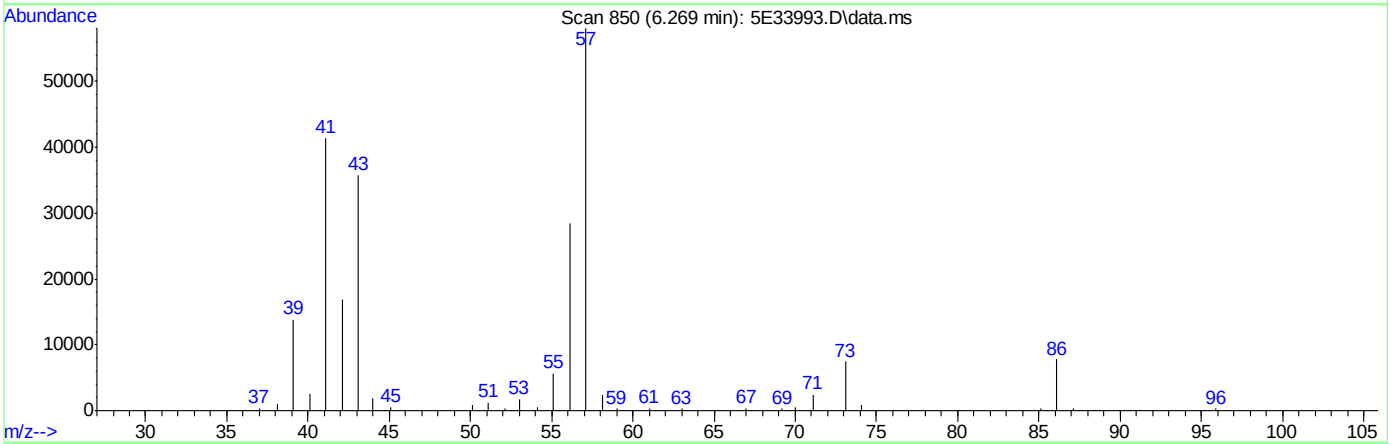
5E33993.D appIX09-06-2022_.M Wed Sep 07 09:44:31 2022

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-07-2022\
Data File : 5E33993.D
Acq On : 7 Sep 2022 9:23 am
Operator : courtnef
Sample : CC1549-5
Misc : MS52257,V5E1550,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 09:41:03 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration





TIC: 5E33993.D\data.ms

(22) Hexane

6.269min (+0.006) 51.47ug/L

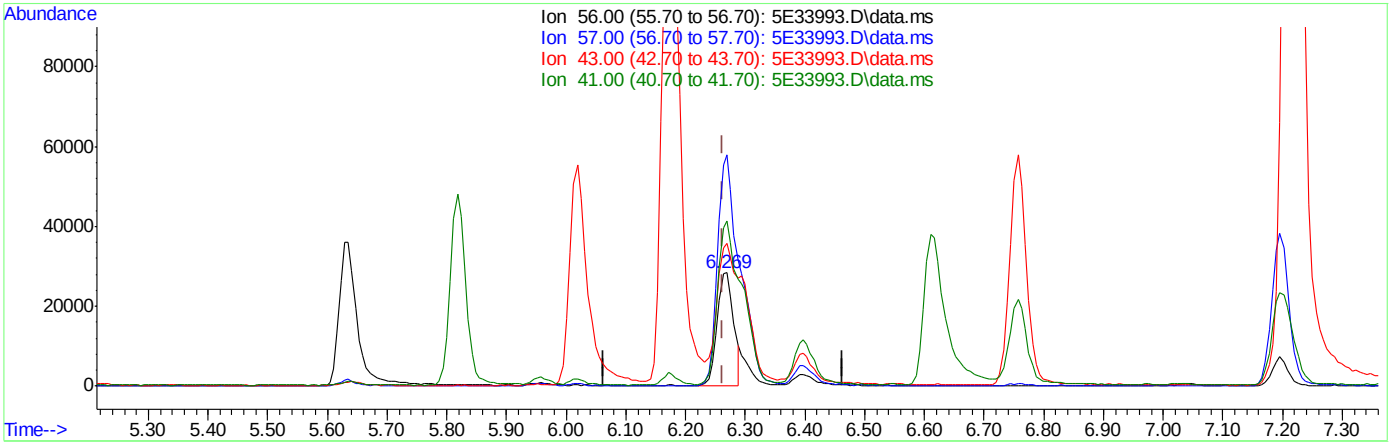
response 64816

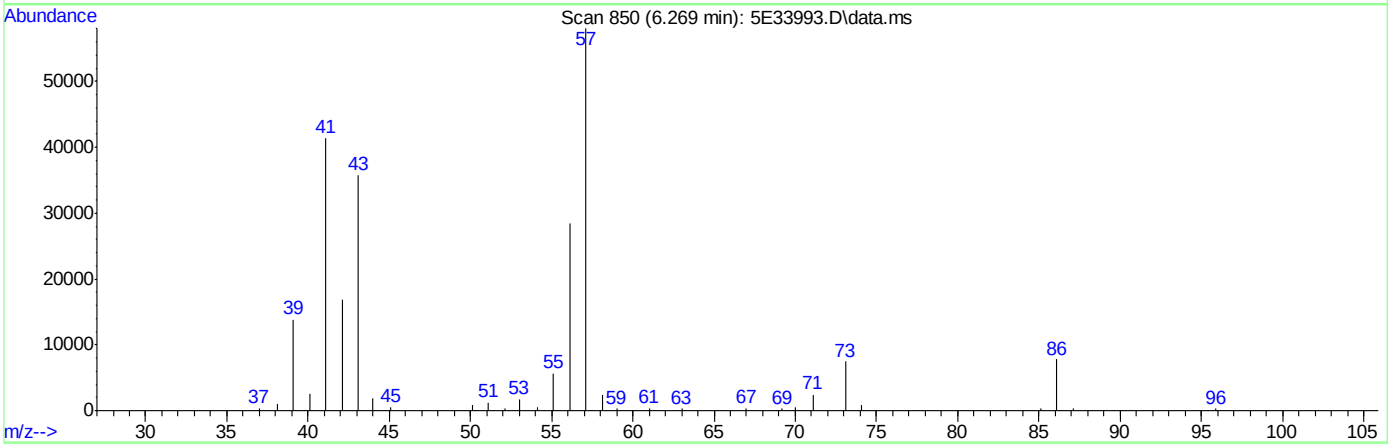
Ion	Exp%	Act%
56.00	100	100
57.00	195.00	204.08
43.00	127.80	119.69
41.00	142.30	143.88

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-07-2022\
Data File : 5E33993.D
Acq On : 7 Sep 2022 9:23 am
Operator : courtnef
Sample : CC1549-5
Misc : MS52257,V5E1550,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 09:41:03 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration





TIC: 5E33993.D\data.ms

(22) Hexane

6.269min (+0.006) 42.54ug/L m

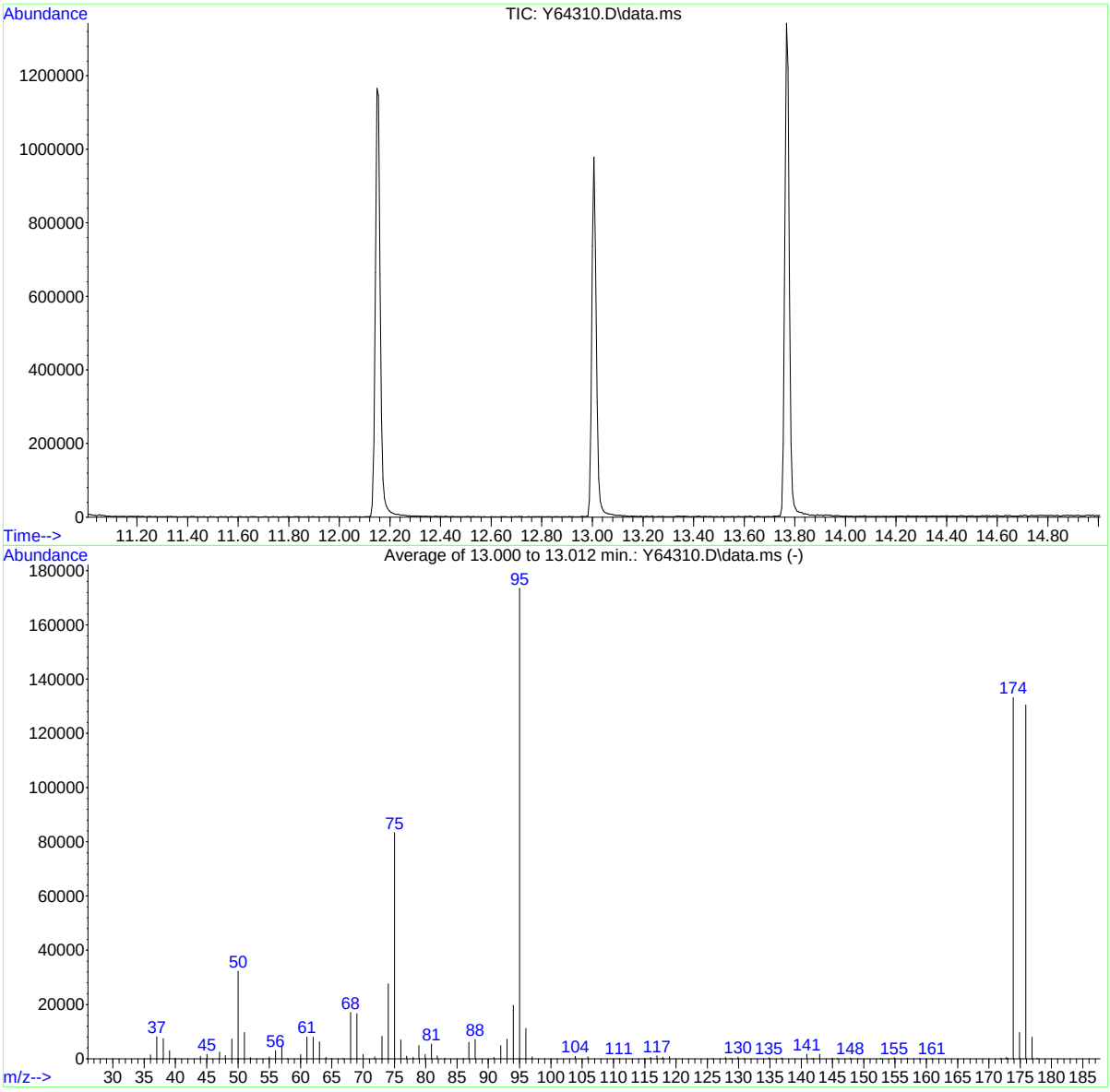
response 54079

Ion	Exp%	Act%
56.00	100	100
57.00	195.00	204.08
43.00	127.80	125.94
41.00	142.30	145.51

Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\2022-08-29\Y64310.D Vial: 2
Acq On : 29 Aug 2022 12:11 pm Operator: joannel
Sample : BFB Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



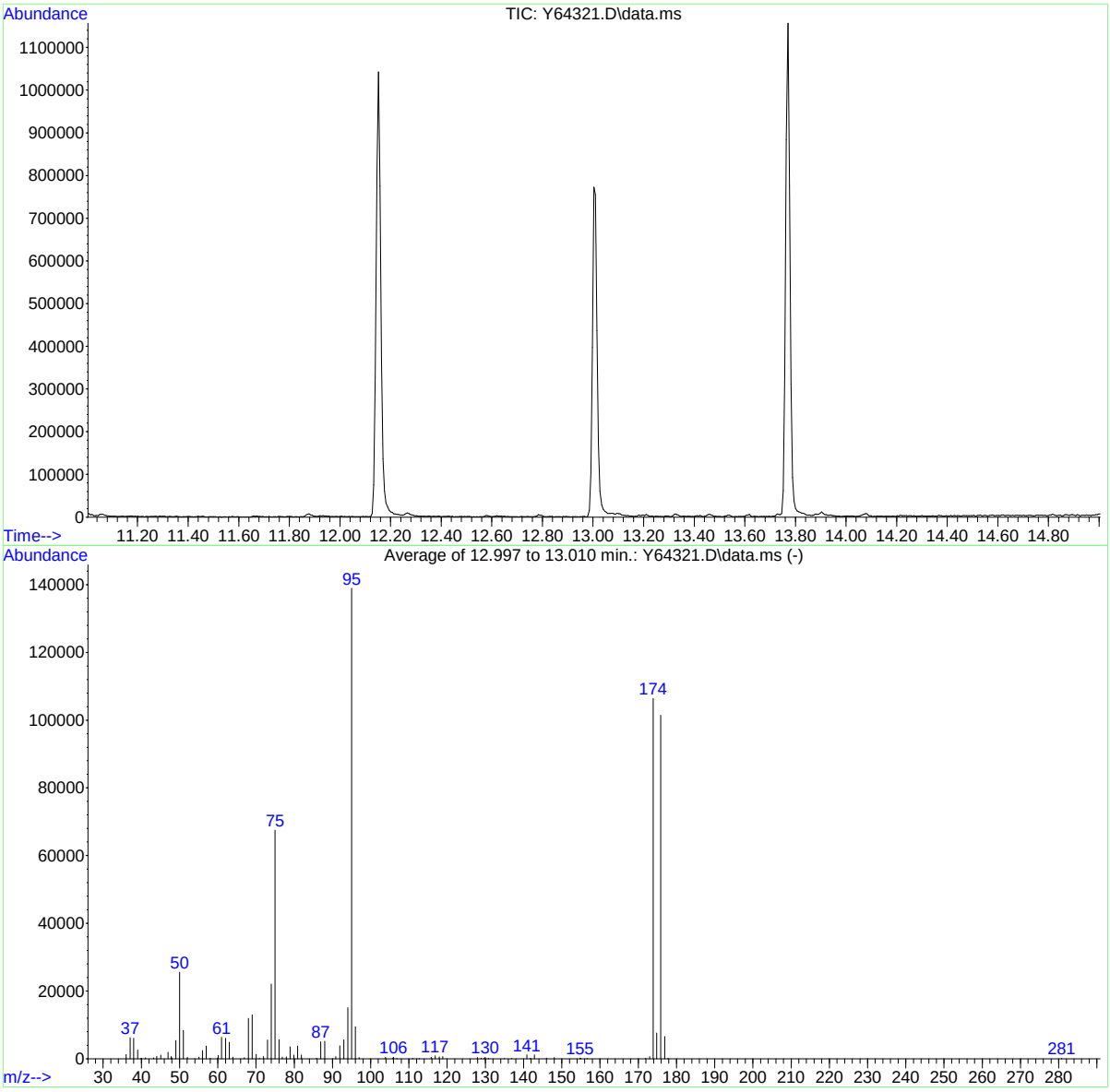
AutoFind: Scans 1835, 1836, 1837; Background Corrected with Scan 1827

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.6	32288	PASS
75	95	30	60	48.0	83378	PASS
95	95	100	100	100.0	173525	PASS
96	95	5	9	6.4	11168	PASS
173	174	0.00	2	0.4	482	PASS
174	95	50	100	76.8	133221	PASS
175	174	5	9	7.3	9708	PASS
176	174	95	101	97.9	130461	PASS
177	176	5	9	6.1	7943	PASS

Y64310.D APPIX_08-29-2022_Y.M Tue Aug 30 15:12:13 2022

Methods: SW-846 8260B
Data File : C:\msdchem\1\DATA\2022-08-30\Y64321.D Vial: 1
Acq On : 30 Aug 2022 10:47 am Operator: joannel
Sample : BFB Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



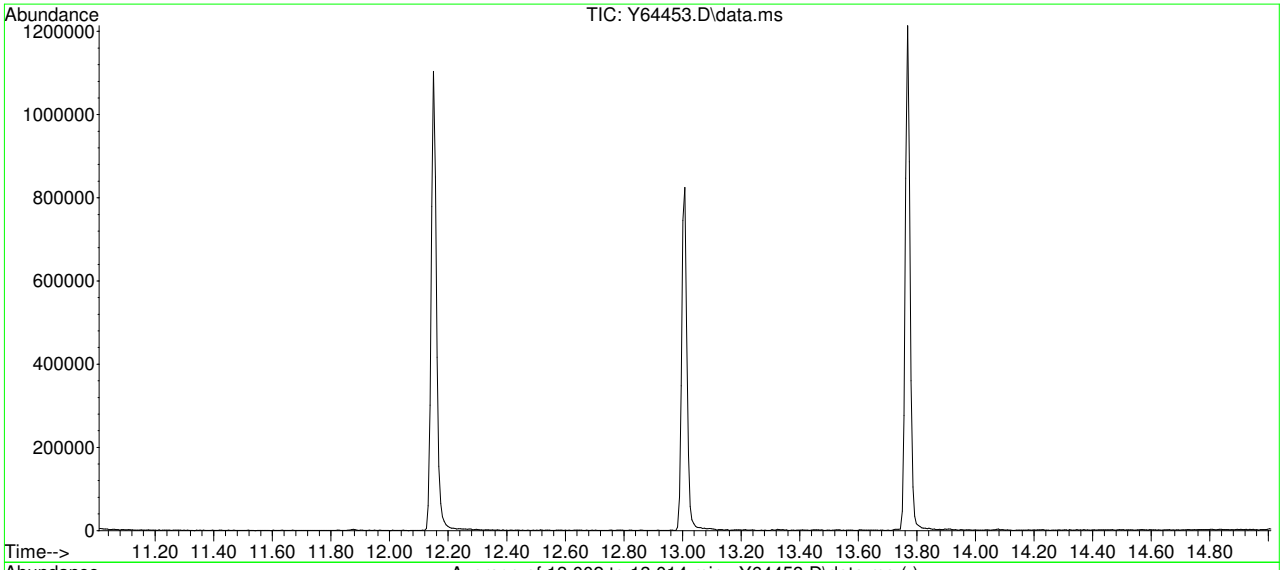
AutoFind: Scans 1834, 1835, 1836; Background Corrected with Scan 1828

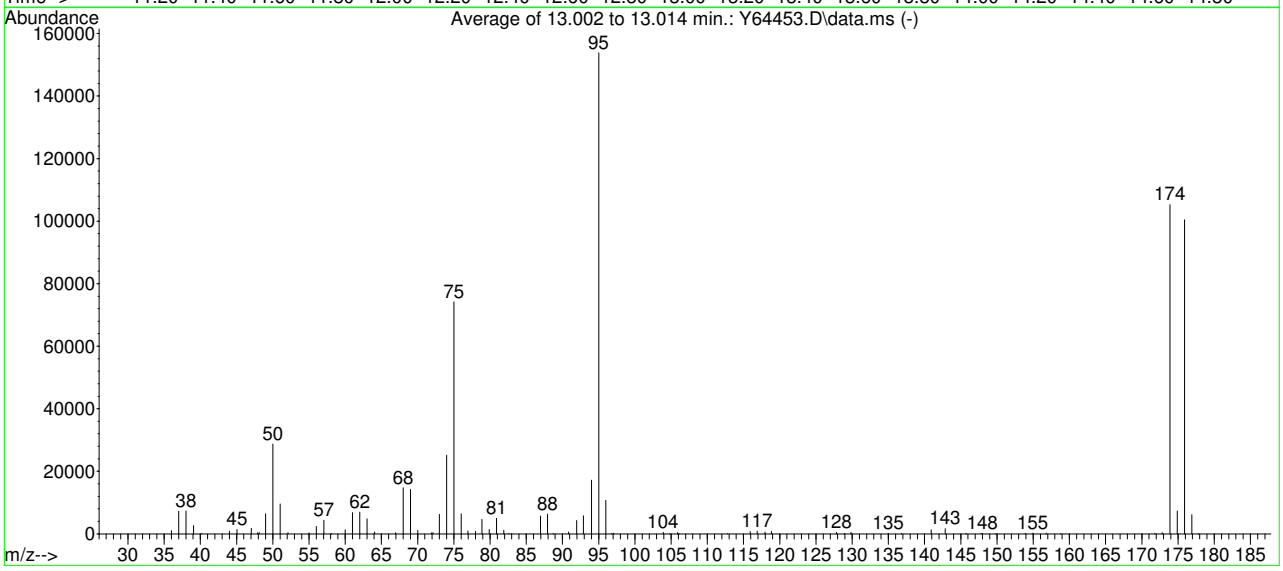
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	25536	PASS
75	95	30	60	48.6	67536	PASS
95	95	100	100	100.0	138954	PASS
96	95	5	9	6.8	9434	PASS
173	174	0.00	2	0.6	622	PASS
174	95	50	100	76.6	106418	PASS
175	174	5	9	7.1	7583	PASS
176	174	95	101	95.4	101480	PASS
177	176	5	9	6.5	6567	PASS

Y64321.D APPIX_08-29-2022_Y.M Tue Aug 30 15:21:08 2022

Methods: SW-846 8260B
Data File : C:\msdchem\1\data\jo...-2022\vy2672\Y64453.D Vial: 1
Acq On : 3 Sep 2022 10:04 am Operator: adelardl
Sample : BFB Inst : MSVOA14-Y
Misc : MS52207,VY2672,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B





AutoFind: Scans 1835, 1836, 1837; Background Corrected with Scan 1829

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	28760	PASS
75	95	30	60	48.2	74152	PASS
95	95	100	100	100.0	153813	PASS
96	95	5	9	7.0	10712	PASS
173	174	0.00	2	0.4	401	PASS
174	95	50	100	68.4	105275	PASS
175	174	5	9	6.9	7304	PASS
176	174	95	101	95.4	100395	PASS
177	176	5	9	6.1	6112	PASS

Y64453.D APPIX_08-29-2022_Y.M Mon Sep 05 01:44:39 2022

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:08:00 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.720	96	1304217	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.644	117	892129	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	401789	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.265	113	262735	44.58	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 89.16%				
49) 1,2-Dichloroethane-d4	3.553	65	381615	41.54	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 83.08%				
63) Toluene-d8	4.651	98	1238365	52.07	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 104.14%				
86) 4-Bromofluorobenzene	6.496	174	311640	46.66	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.32%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.127	85	3574	0.73	ug/L		97
3) Chloromethane	1.247	50	3730	0.51	ug/L		96
4) 1,3-butadiene	1.321	39	3578	0.55	ug/L	#	75
5) Vinyl Chloride	1.305	62	4374	0.67	ug/L		95
6) Bromomethane	1.514	94	3340	1.31	ug/L		93
7) Chloroethane	1.587	64	2508	1.12	ug/L		86
8) Trichlorofluoromethane	1.687	101	4423	0.76	ug/L		98
9) Ethyl Ether	1.880	59	4098	0.67	ug/L	#	81
10) Ethanol	1.948	45	3081	12.83	ug/L		97
11) 1,2-Dichlorotrifluoroe...	1.979	67	3561	0.67	ug/L		96
12) 1,1-Dichloroethene	1.985	61	4997	0.59	ug/L		94
13) Freon 113	2.021	101	2875	0.66	ug/L	#	83
14) Carbon Disulfide	2.006	76	8522	0.84	ug/L		99
15) Iodomethane	2.068	142	1647	0.28	ug/L		90
16) Acrolein	2.157	56	6920	3.30	ug/L		96
17) Allyl chloride	2.251	41	3882	0.51	ug/L		88
18) Methylene Chloride	2.303	49	22978	1.88	ug/L		82
19) Acetone	2.319	43	23241	5.06	ug/L		85
20) Methyl acetate	2.398	43	25726	2.50	ug/L		89
21) trans-1,2-Dichloroethene	2.408	61	4958	0.57	ug/L	#	64
22) Hexane	2.471	56	2541	0.57	ug/L	#	69
23) Methyl Tert Butyl Ether	2.471	73	11584	0.72	ug/L		90
24) Tert Butyl Alcohol	2.497	59	15715	6.54	ug/L		95
25) Acetonitrile	2.554	41	10318	5.97	ug/L		93
26) Di-isopropyl ether	2.685	45	10876	0.51	ug/L		83
27) Chloroprene	2.732	53	20115	0.60	ug/L		89
28) 1,1-Dichloroethane	2.732	63	6975	0.65	ug/L		96
29) Acrylonitrile	2.732	52	16323	3.74	ug/L	#	77
30) ETBE	2.884	59	12215	0.59	ug/L		89
31) Vinyl acetate	2.863	43	49819	3.22	ug/L		99
32) cis-1,2-Dichloroethene	3.025	96	4205	0.81	ug/L	#	81
33) 2,2-Dichloropropane	3.088	77	4472	0.66	ug/L		92
34) Bromochloromethane	3.124	128	2046	0.88	ug/L	#	57
35) Cyclohexane	3.166	56	5756	0.52	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:08:00 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.171	83	6236	0.66	ug/L		86
37) Ethyl acetate	3.229	43	39999	3.20	ug/L		91
38) Tetrahydrofuran	3.260	42	3036	0.58	ug/L	#	45
40) Carbon Tetrachloride	3.271	117	3481m	0.65	ug/L		
41) 1,1,1-Trichloroethane	3.297	97	5280	0.70	ug/L		91
42) 2-Butanone	3.318	43	39494	5.20	ug/L		81
43) 1,1-Dichloropropene	3.365	75	4992	0.70	ug/L		91
44) tert-Butyl formate	3.412	59	11587	3.27	ug/L	#	83
45) Propionitrile	3.459	54	14196	6.21	ug/L		98
46) Methacrylonitrile	3.485	41	35516	4.94	ug/L		96
47) Benzene	3.495	78	16815	0.77	ug/L	#	64
48) TAME	3.569	73	10665	0.69	ug/L		95
50) Isobutyl alcohol	3.579	43	13077m	9.38	ug/L		
51) 1,2-Dichloroethane	3.590	62	6285	0.67	ug/L		86
52) Tert Amyl Alcohol	3.642	59	9886	5.46	ug/L	#	70
53) Trichloroethene	3.830	95	4974	0.93	ug/L		90
54) Methylcyclohexane	3.846	83	5002	0.66	ug/L	#	81
55) Dibromomethane	4.050	93	2414	0.80	ug/L		76
56) 1,2-Dichloropropane	4.112	63	3763	0.62	ug/L		92
57) Bromodichloromethane	4.149	83	3228	0.65	ug/L		88
58) Methyl methacrylate	4.238	41	4252	0.51	ug/L	#	84
59) 1,4-Dioxane	4.259	88	2736	16.46	ug/L		80
60) 2-Chloroethyl vinyl ether	4.478	63	15384	3.18	ug/L		80
61) cis-1,3-Dichloropropene	4.520	75	4141	0.59	ug/L		88
64) Toluene	4.682	91	19190	0.92	ug/L		91
65) 2-Nitropropane	4.776	41	4134	1.83	ug/L	#	79
66) 4-Methyl-2-pentanone	4.891	43	42161	3.76	ug/L		94
67) trans-1,3-Dichloropropene	4.918	75	3792	0.65	ug/L		84
68) Tetrachloroethene	4.938	166	4054	0.80	ug/L		90
69) Ethyl methacrylate	5.032	69	4575	0.62	ug/L	#	80
70) 1,1,2-Trichloroethane	5.022	83	3028	0.82	ug/L		86
71) Dibromochloromethane	5.142	129	2030	0.64	ug/L		86
72) 1,3-Dichloropropane	5.200	76	7245	0.87	ug/L	#	74
73) 1,2-Dibromoethane	5.294	107	3358	0.76	ug/L		90
74) 3,3-dimethyl-1-butanol	5.414	57	56387	23.02	ug/L		94
75) 2-hexanone	5.430	43	46159	3.39	ug/L		79
76) 1-Chlorohexane	5.649	91	6715m	1.00	ug/L		
77) Ethylbenzene	5.681	91	20142	0.88	ug/L		96
78) Chlorobenzene	5.655	112	11307	0.92	ug/L		96
79) 1,1,1,2-Tetrachloroethane	5.696	131	2585	0.73	ug/L		90
80) m,p-Xylene	5.780	91	30713	1.70	ug/L		93
81) o-Xylene	6.078	91	14421	0.81	ug/L		96
82) Styrene	6.115	104	10442	0.78	ug/L		85
83) Bromoform	6.120	173	935m	0.54	ug/L		
84) Isopropylbenzene	6.308	105	16684	0.82	ug/L		94
87) cis-1,4-Dichloro-2-butene	6.528	53	1764	0.69	ug/L	#	64
88) n-Propylbenzene	6.611	91	20338	0.90	ug/L		99
89) Bromobenzene	6.575	156	4112	0.88	ug/L	#	81
90) 1,1,2,2-Tetrachloroethane	6.627	83	5436	0.88	ug/L		97
91) 1,3,5-Trimethylbenzene	6.758	105	13433	0.85	ug/L		95

Quantitation Report (QT Reviewed)

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Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:08:00 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

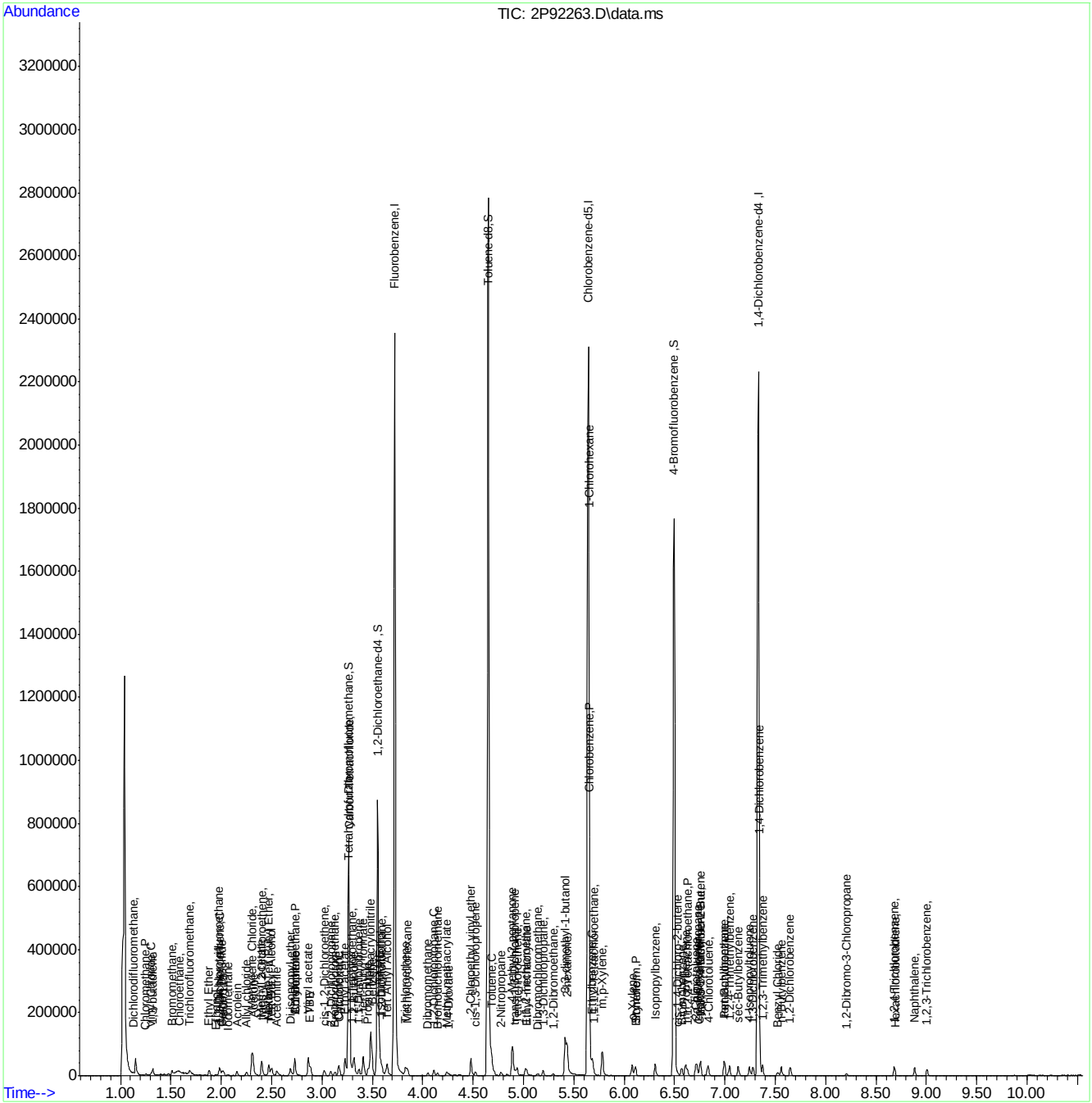
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.711	91	12229	0.89	ug/L		99
93)	trans-1,4-Dichloro-2-B...	6.758	53	2321	0.70	ug/L	#	77
94)	1,2,3-Trichloropropane	6.726	110	2170	0.95	ug/L		79
95)	Cyclohexanone	6.747	55	2532	4.30	ug/L		89
96)	4-Chlorotoluene	6.836	91	13399	0.94	ug/L		95
97)	tert-Butylbenzene	6.993	91	7248	0.83	ug/L		96
99)	1,2,4-Trimethylbenzene	7.045	105	13729	0.90	ug/L		96
100)	Pentachloroethane	6.998	167	1229	0.69	ug/L	#	23
101)	sec-Butylbenzene	7.134	105	14679	0.87	ug/L		97
102)	4-Isopropyltoluene	7.244	119	11513	0.80	ug/L		97
103)	1,3-Dichlorobenzene	7.275	146	7813	0.93	ug/L		98
104)	1,2,3-Trimethylbenzene	7.375	105	13562	0.88	ug/L		96
105)	1,4-Dichlorobenzene	7.343	146	8240m	0.91	ug/L		
106)	n-Butylbenzene	7.563	92	5703	0.79	ug/L		92
107)	Benzyl Chloride	7.521	126	838m	0.62	ug/L		
108)	1,2-Dichlorobenzene	7.646	146	7308	0.89	ug/L		90
109)	1,2-Dibromo-3-Chloropr...	8.206	75	932m	0.74	ug/L		
110)	Hexachlorobutadiene	8.692	225	1221	0.66	ug/L		89
111)	1,2,4-Trichlorobenzene	8.682	180	3782	0.83	ug/L		94
112)	Naphthalene	8.886	128	13112	0.84	ug/L		98
113)	1,2,3-Trichlorobenzene	9.006	180	3832	0.89	ug/L		84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:08:00 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

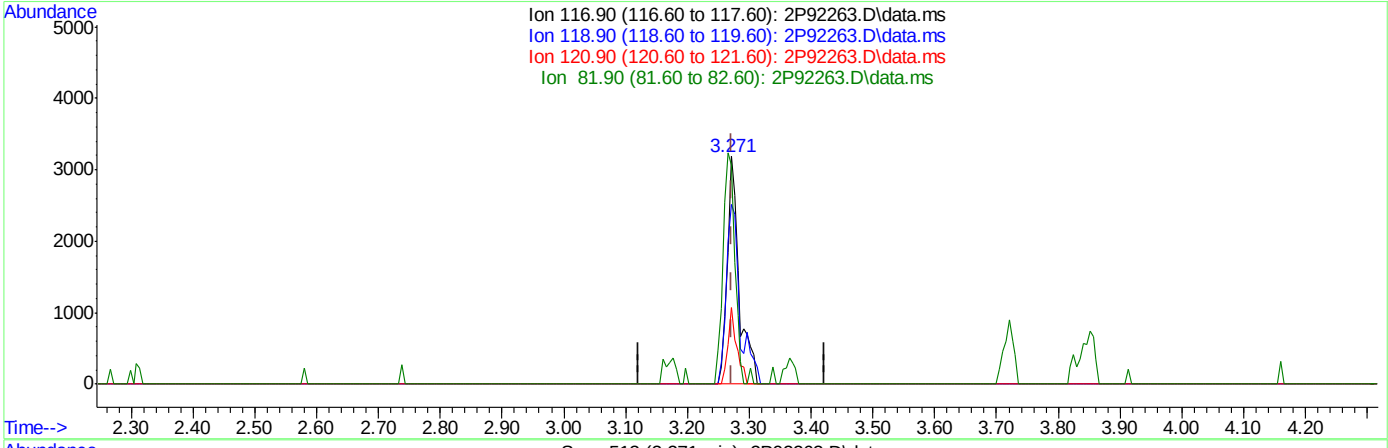
Sample Number: V2P3560-IC3560 **Method:** SW846 8260D
Lab FileID: 2P92263.D **Analyst approved:** 08/24/22 10:09 Courtney Failla
Injection Time: 08/24/22 09:50 **Supervisor approved:** 08/25/22 11:34 Karen Watson

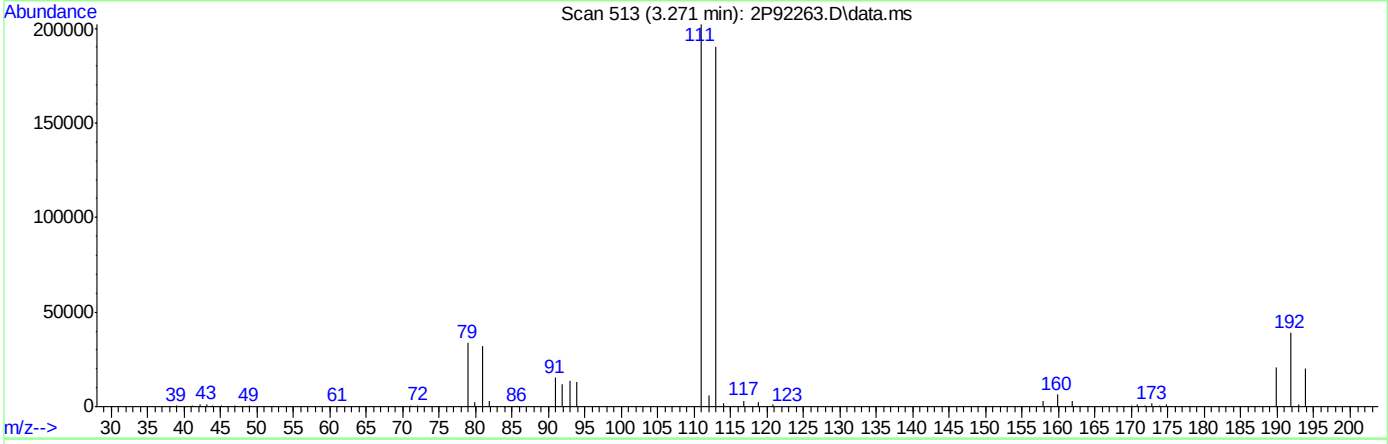
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration
Bromoform	75-25-2		6.12	Missed peak
1,4-Dichlorobenzene	106-46-7		7.34	Missed peak
Benzyl Chloride	100-44-7		7.52	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		8.21	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (-0.001) 0.79ug/L

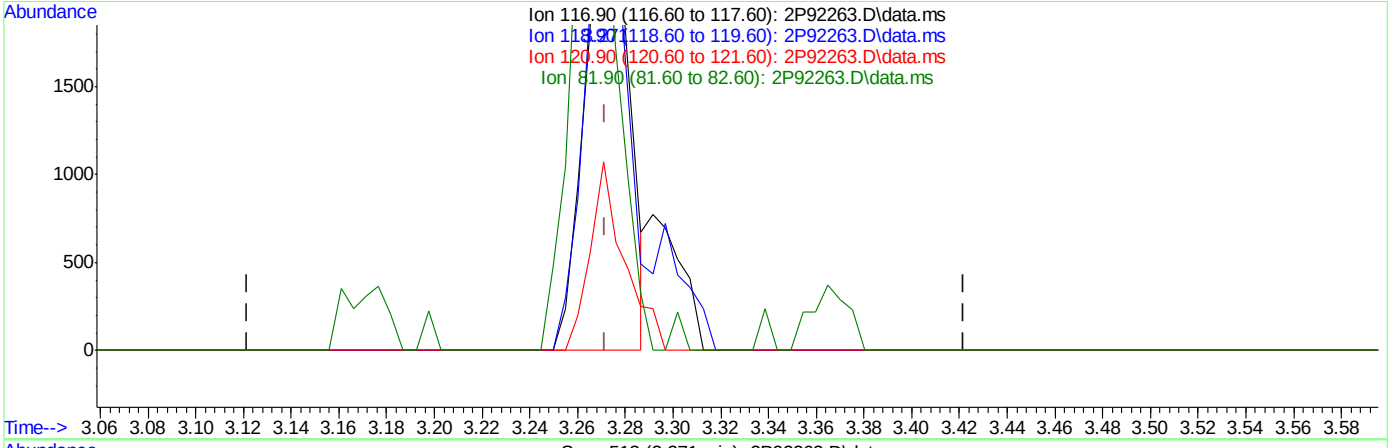
response 4233

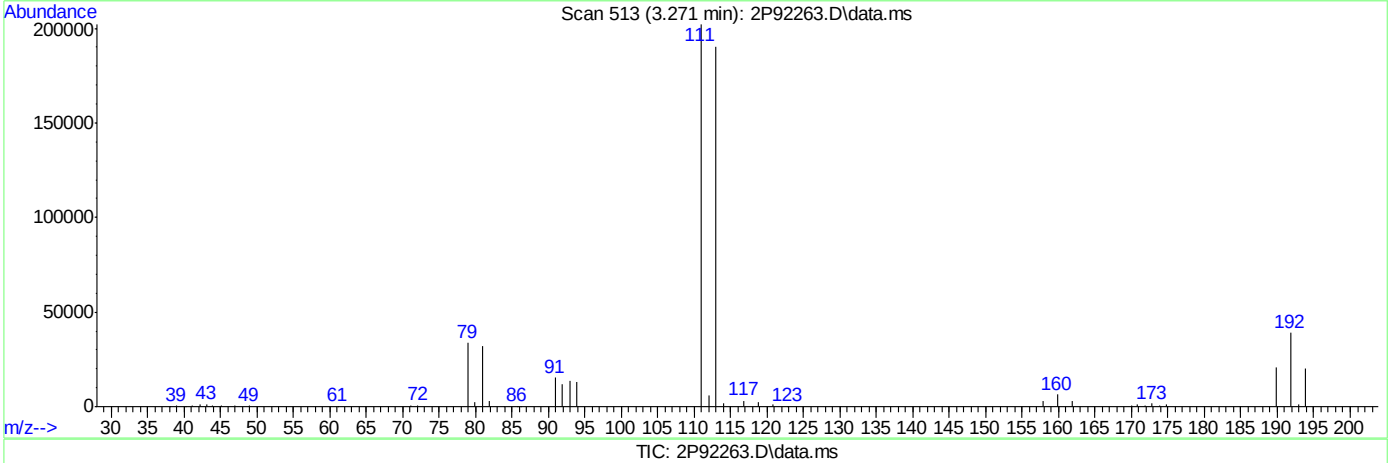
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	79.20
120.90	30.80	33.62
81.90	30.00	96.42#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (-0.001) 0.65ug/L m

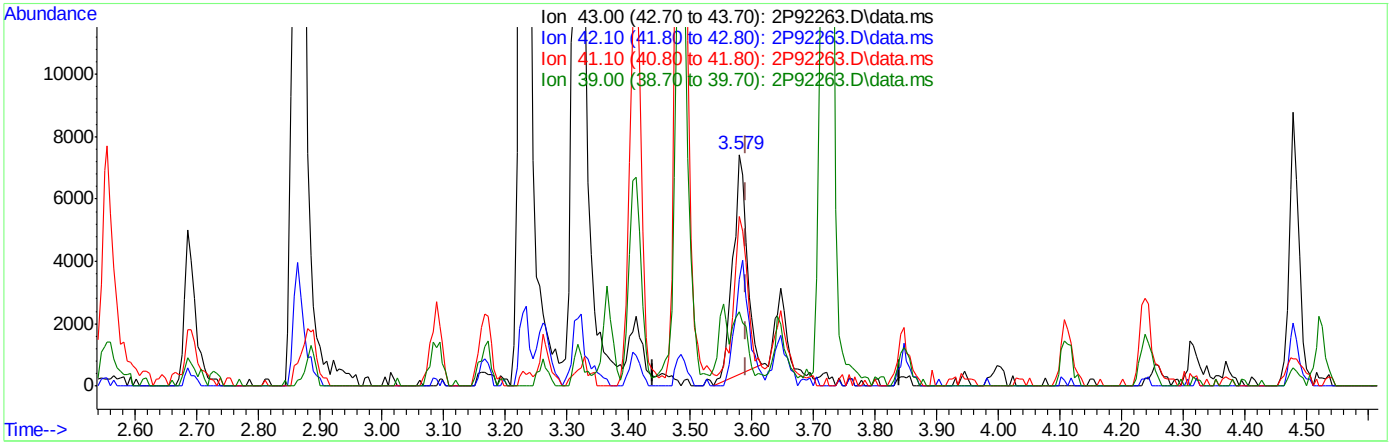
response 3481

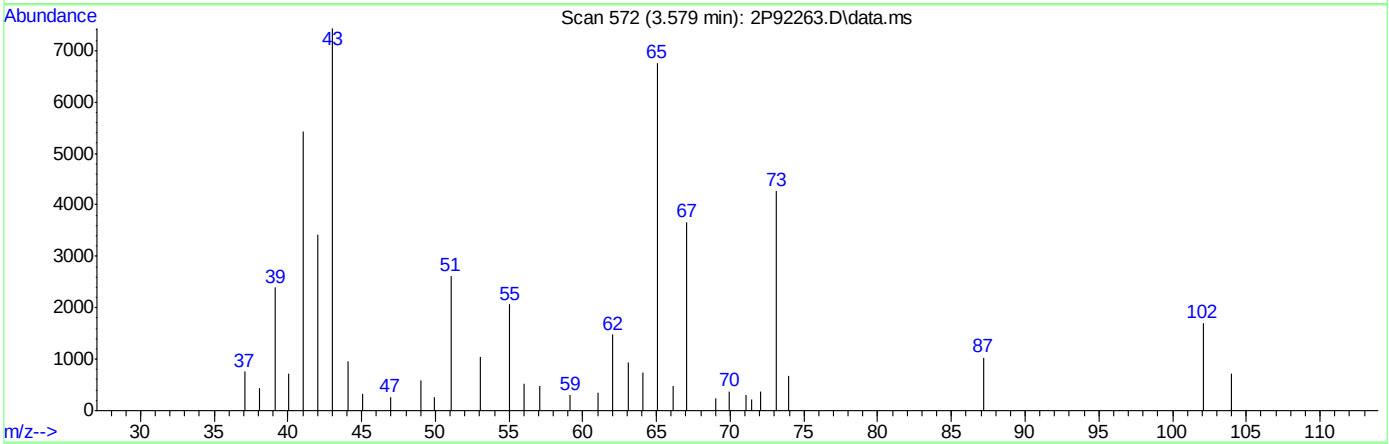
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	79.20
120.90	30.80	33.62
81.90	30.00	96.42#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
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Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(50) Isobutyl alcohol

3.579min (-0.012) 8.01ug/L

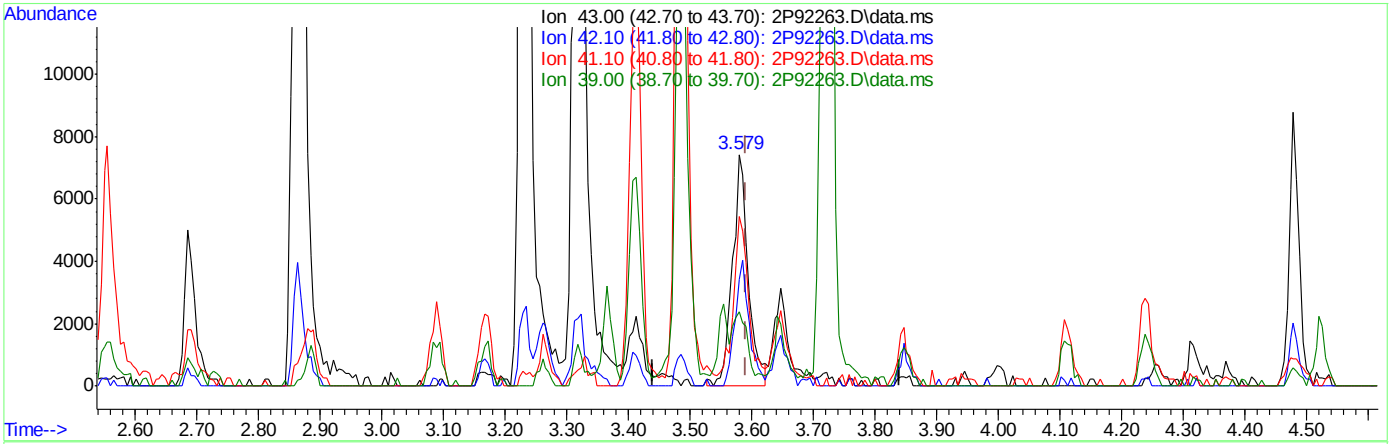
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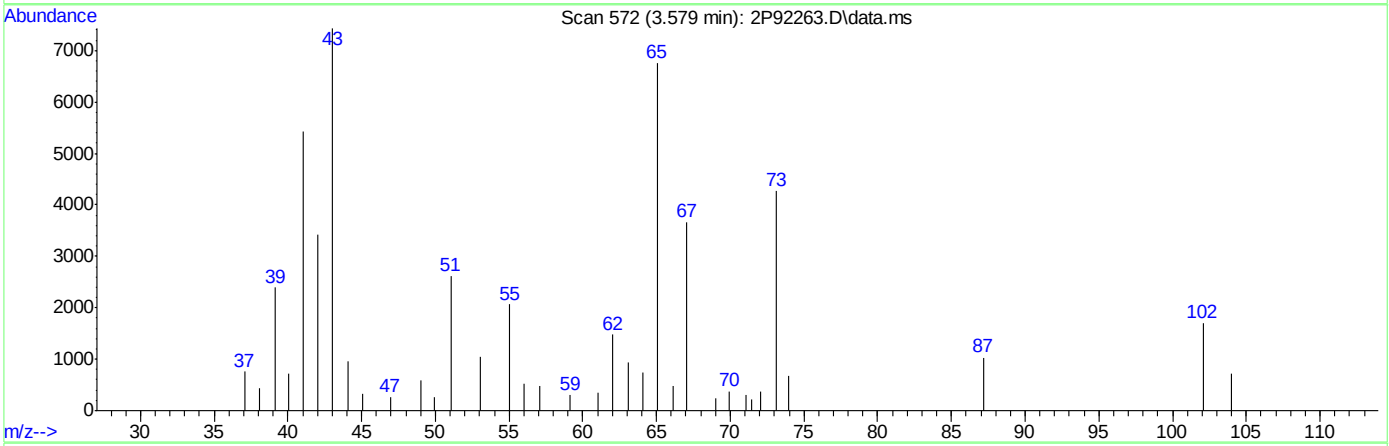
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	45.96
41.10	72.70	68.24
39.00	28.00	27.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(50) Isobutyl alcohol

3.579min (-0.012) 9.38ug/L m

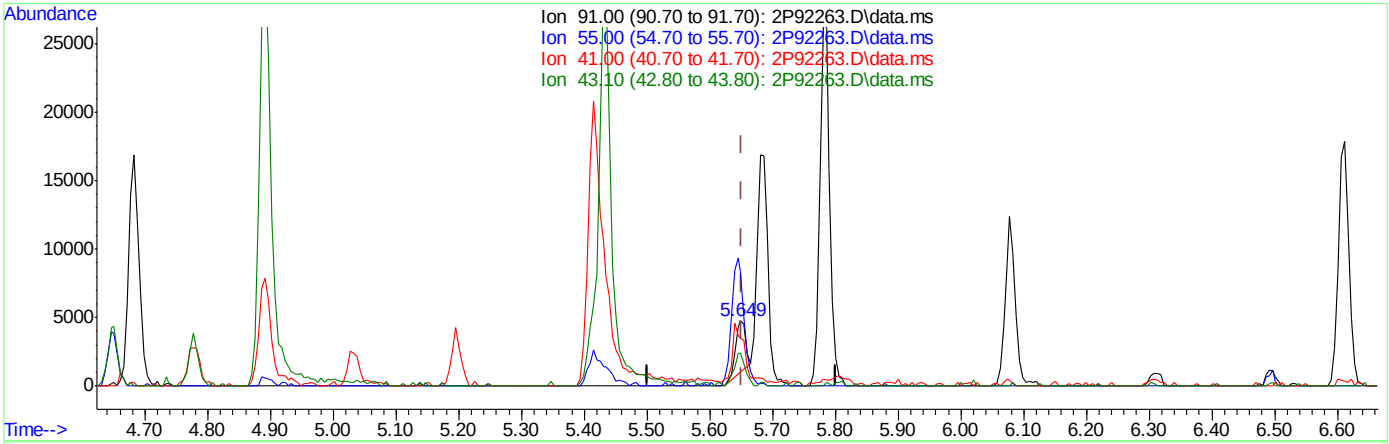
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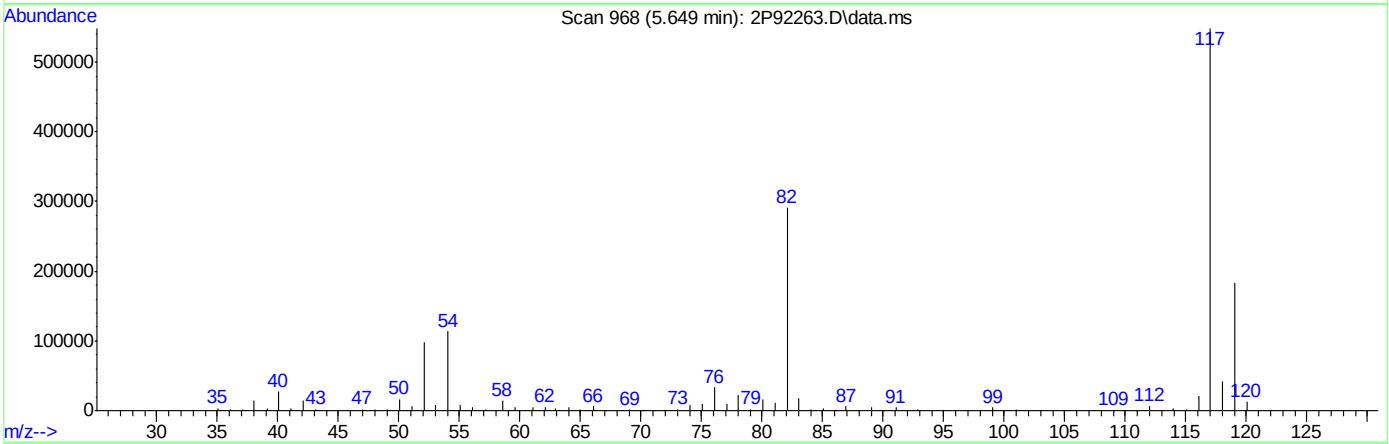
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	45.96
41.10	72.70	73.04
39.00	28.00	32.25

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
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Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 0.69ug/L

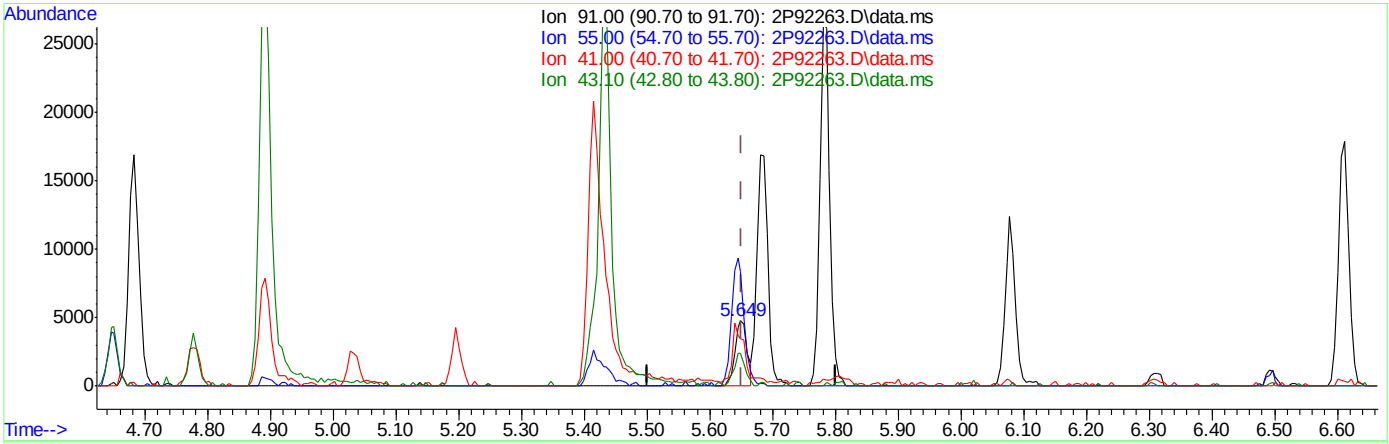
response 4594

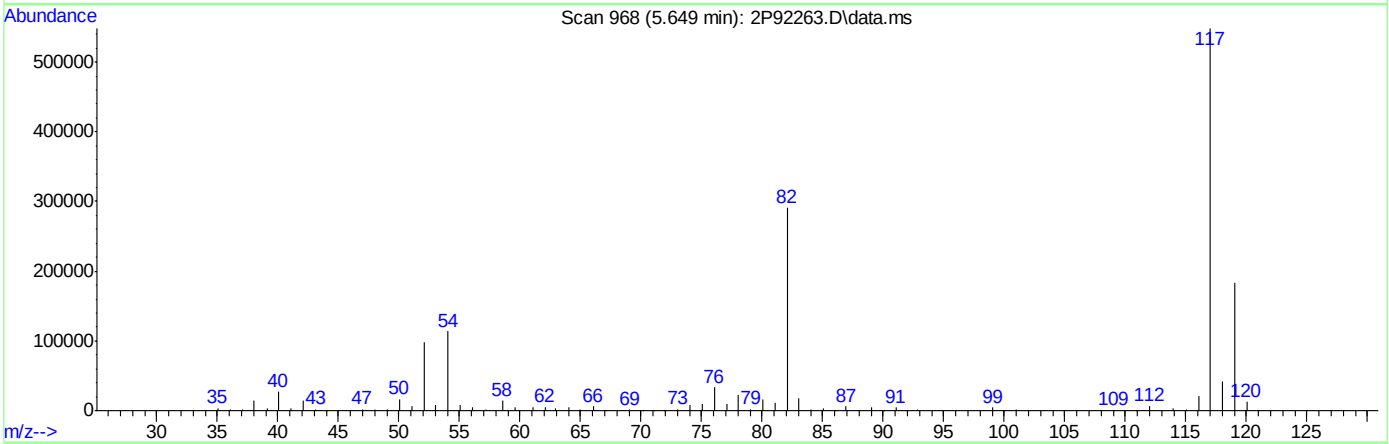
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	164.44#
41.00	83.00	62.38#
43.10	65.60	49.71

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 1.00ug/L m

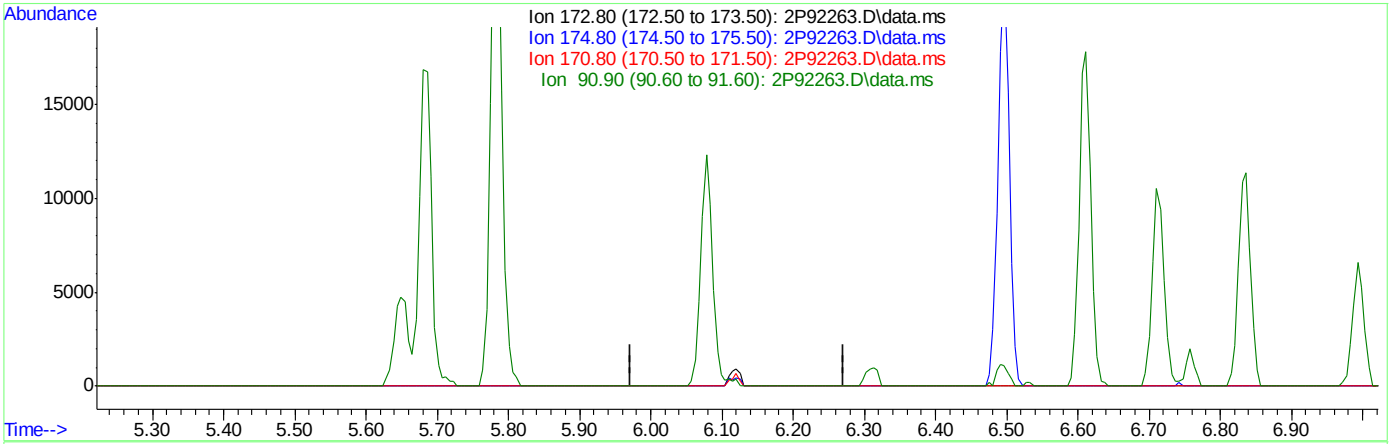
response 6715

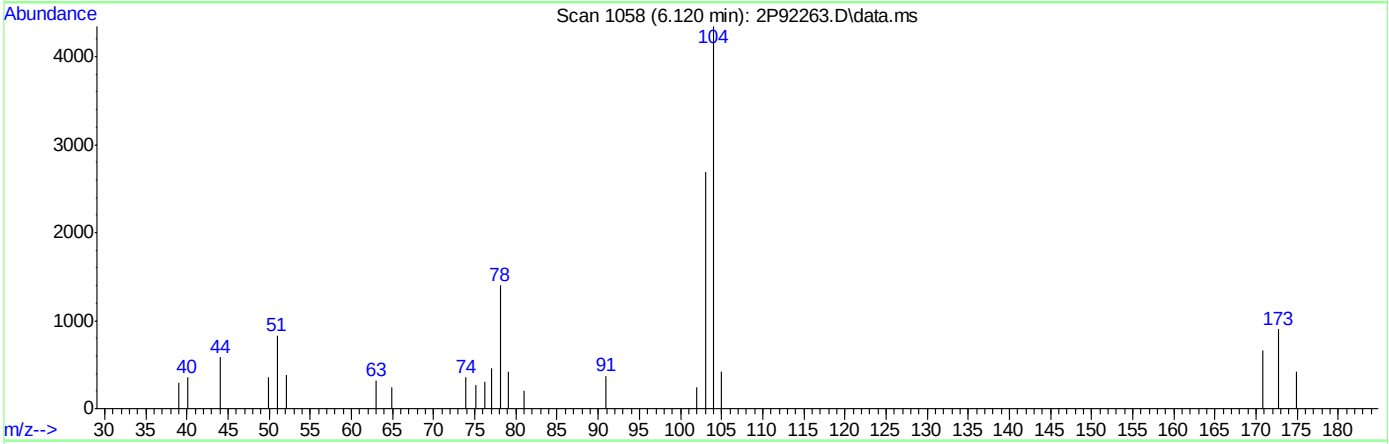
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	176.32#
41.00	83.00	73.01
43.10	65.60	49.71

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(83) Bromoform (P)

6.122min (-6.122) 0.00ug/L

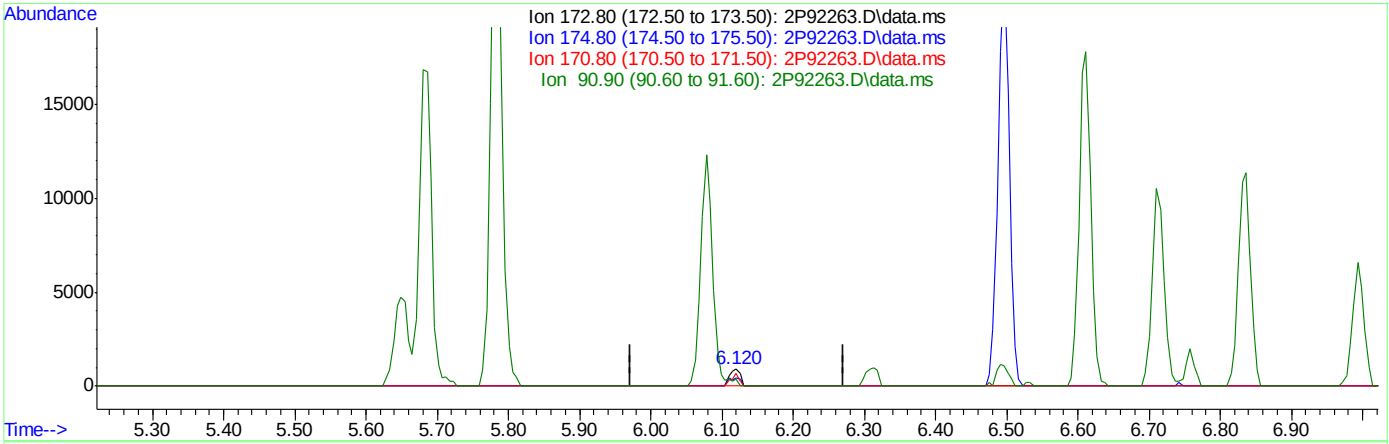
response 0

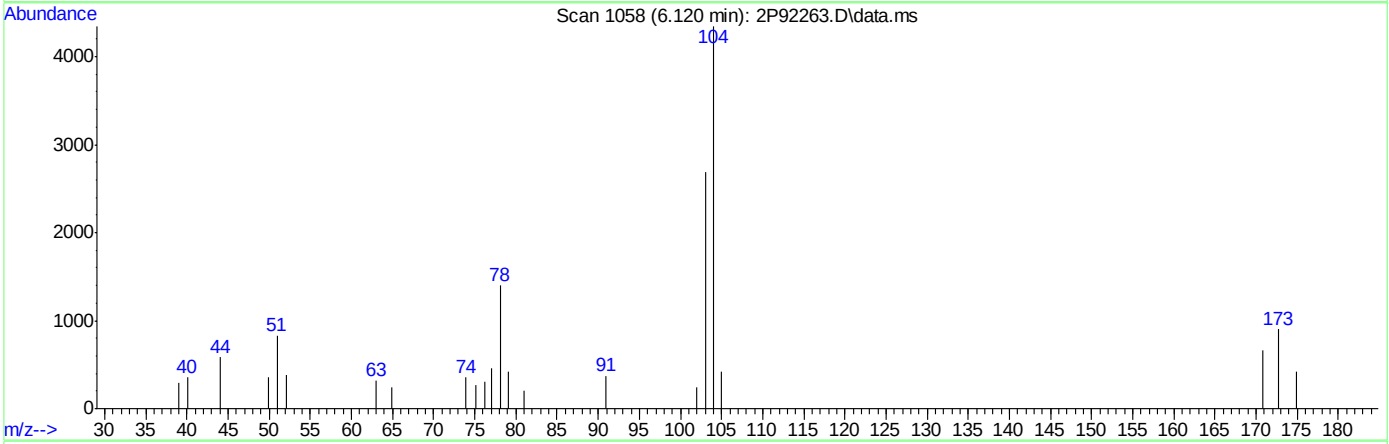
Ion	Exp%	Act%
172.80	100	0.00
174.80	46.40	0.00#
170.80	50.50	0.00#
90.90	21.40	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(83) Bromoform (P)

6.120min (-0.002) 0.54ug/L m

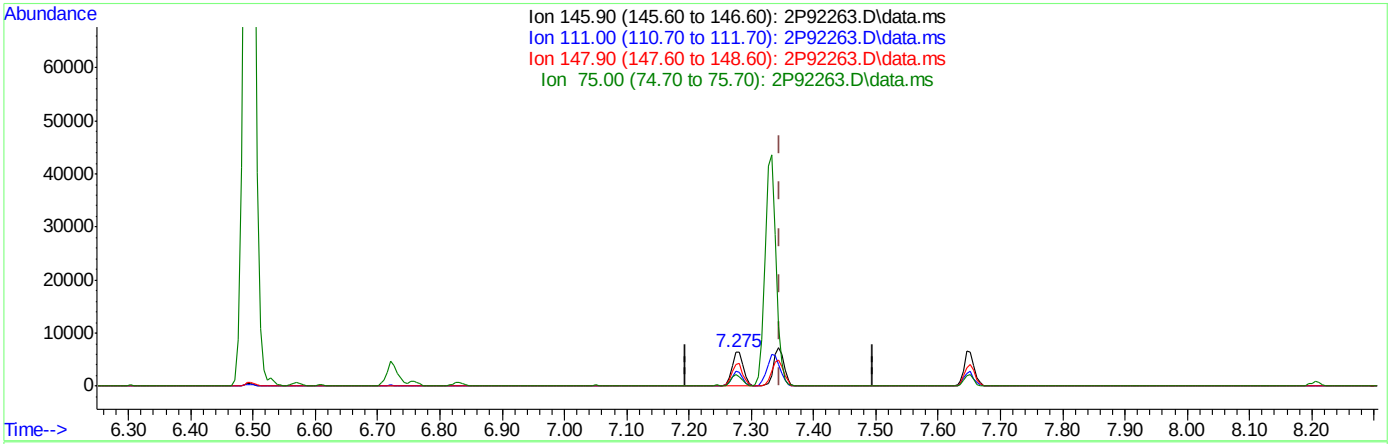
response 935

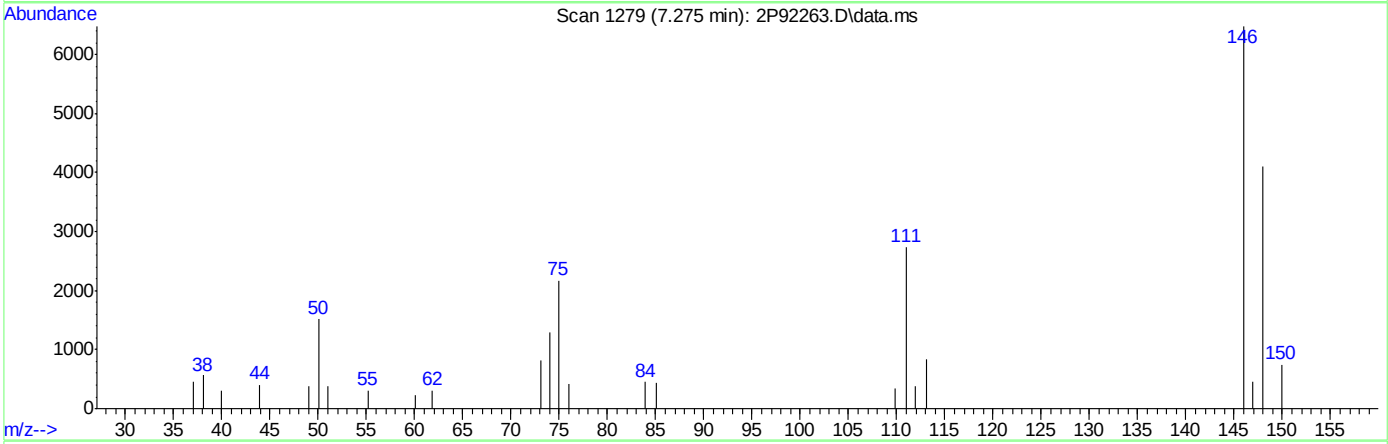
Ion	Exp%	Act%
172.80	100	100
174.80	46.40	47.28
170.80	50.50	73.03
90.90	21.40	41.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(105) 1,4-Dichlorobenzene

7.275min (-0.071) 0.87ug/L

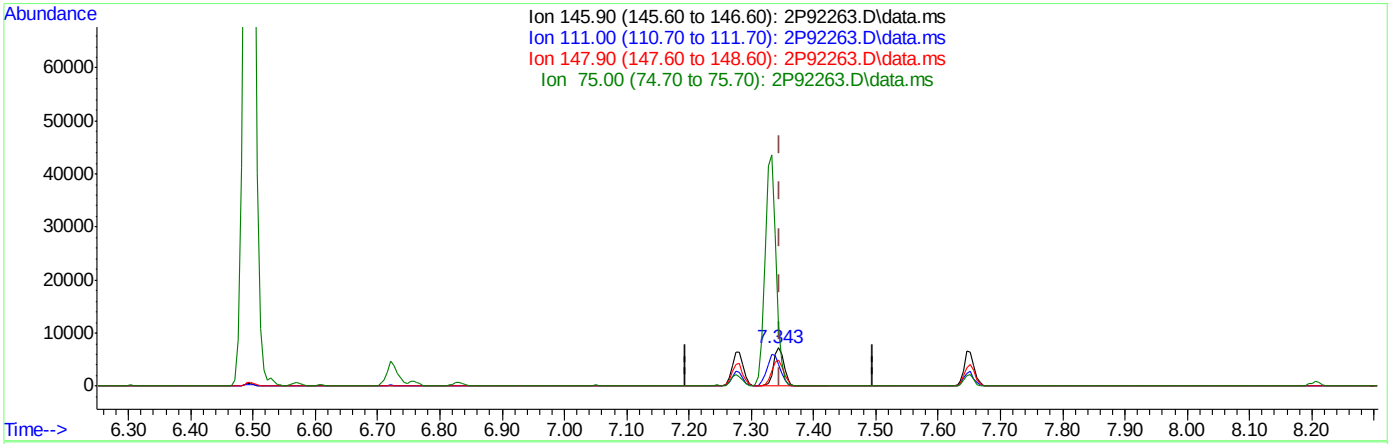
response 7813

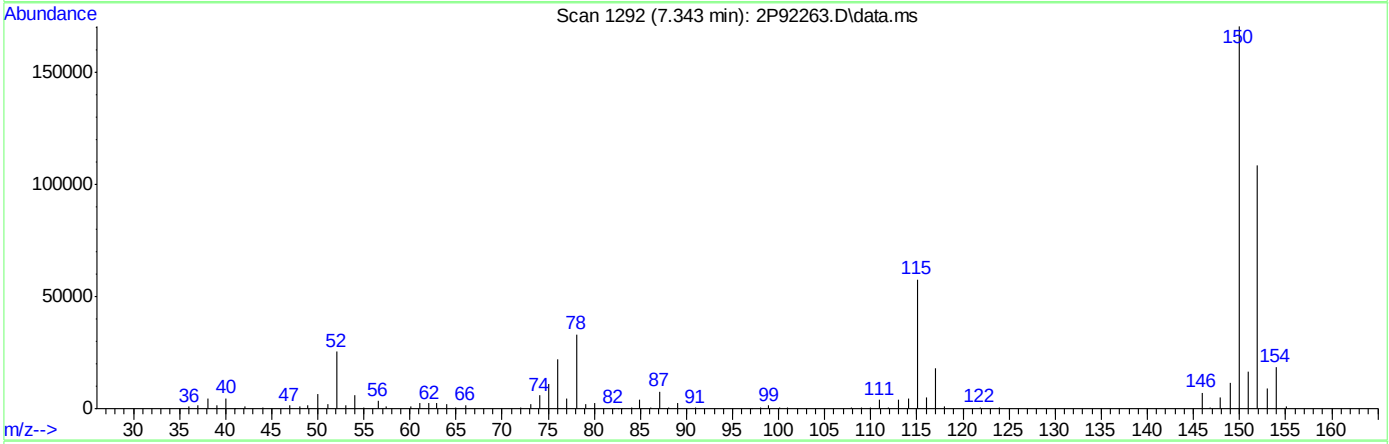
Ion	Exp%	Act%
145.90	100	100
111.00	38.90	42.36
147.90	61.90	63.43
75.00	34.60	33.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(105) 1,4-Dichlorobenzene

7.343min (-0.003) 0.91ug/L m

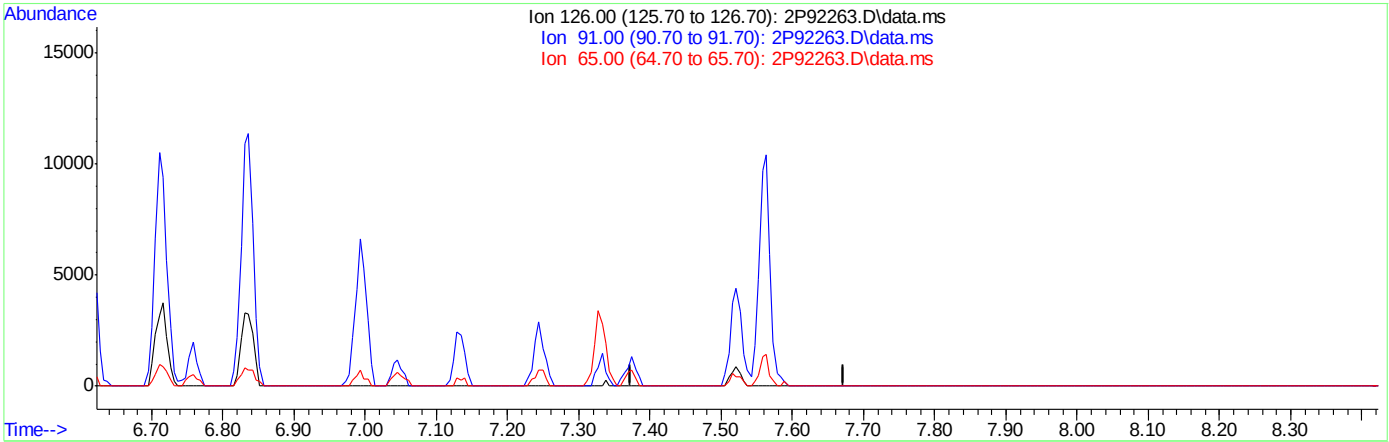
response 8240

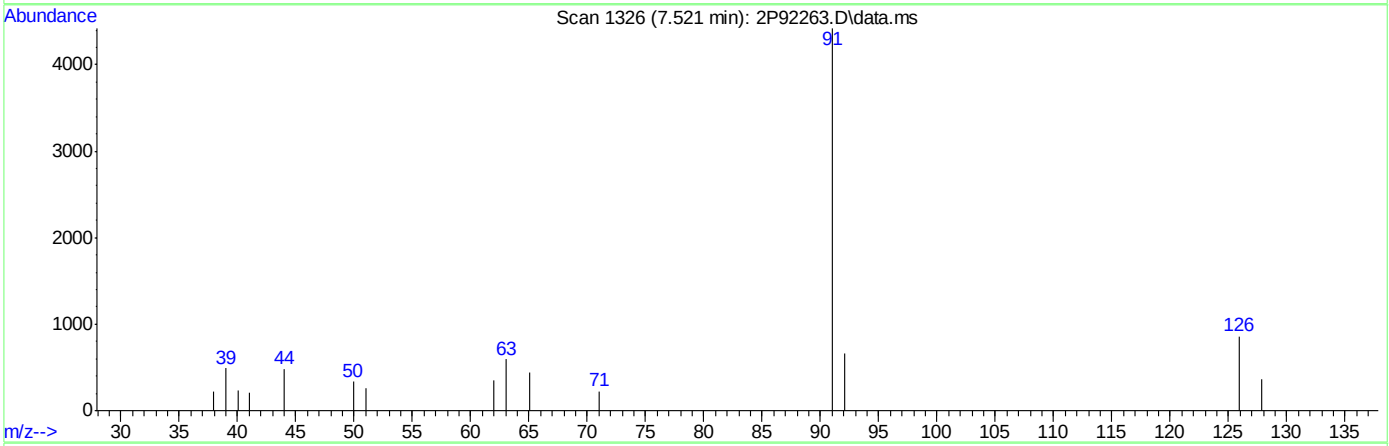
Ion	Exp%	Act%
145.90	100	100
111.00	38.90	55.61
147.90	61.90	69.94
75.00	34.60	155.89#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(107) Benzyl Chloride

7.523min (-7.523) 0.00ug/L

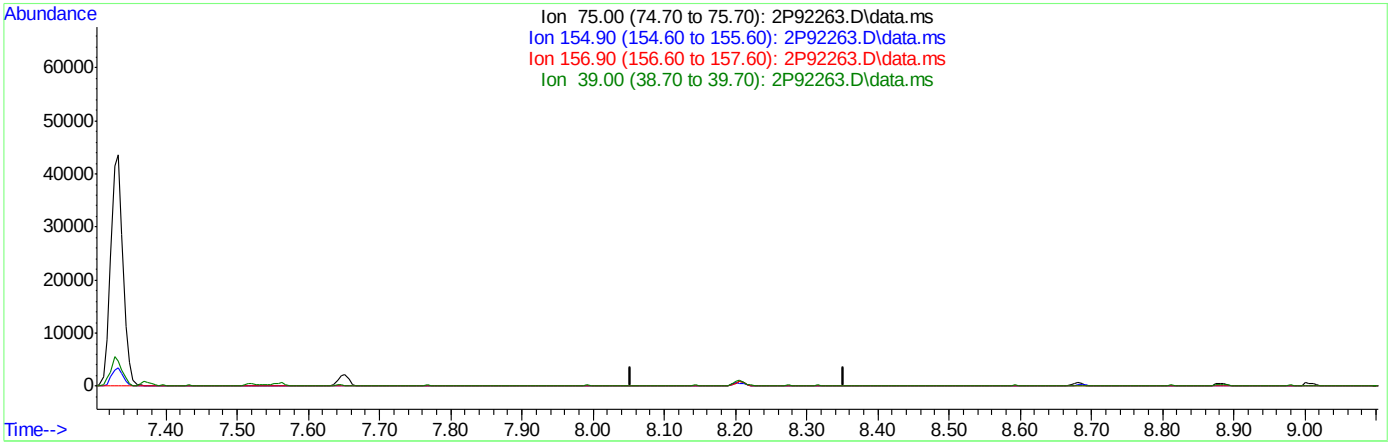
response 0

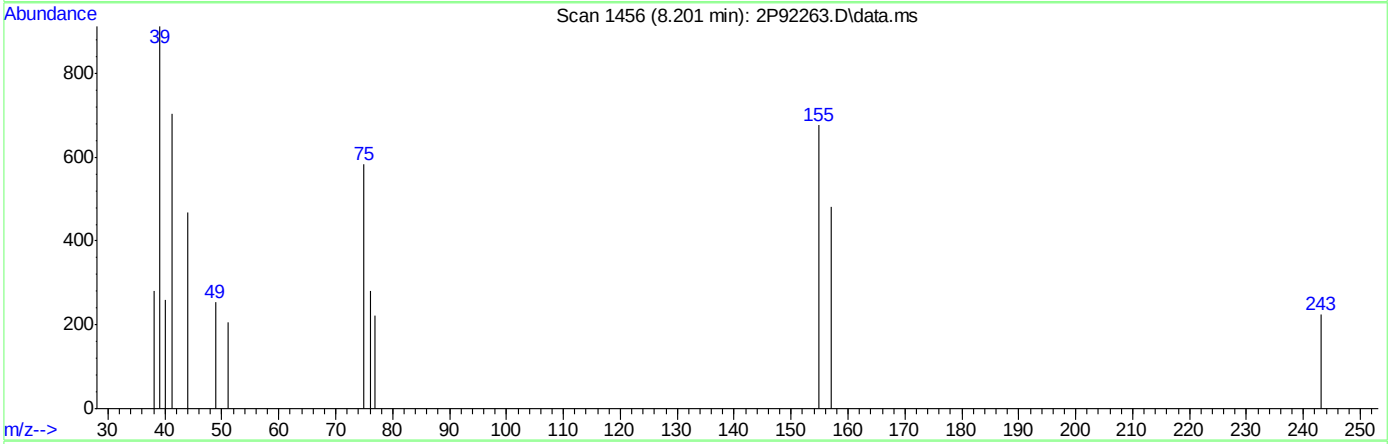
Ion	Exp%	Act%
126.00	100	0.00
91.00	524.80	0.00#
65.00	71.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(109) 1,2-Dibromo-3-Chloropropane

8.203min (-8.203) 0.00ug/L

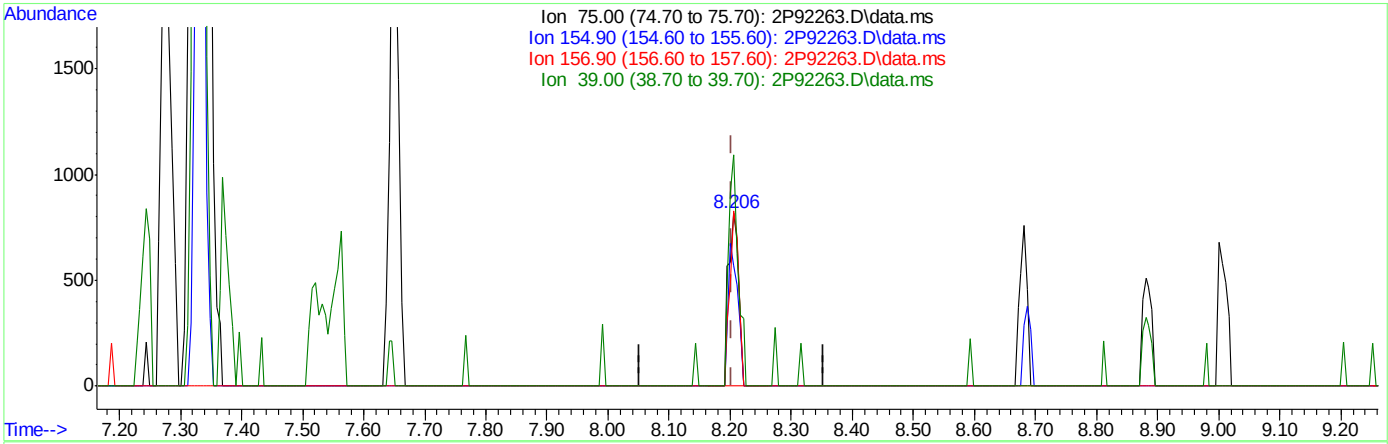
response 0

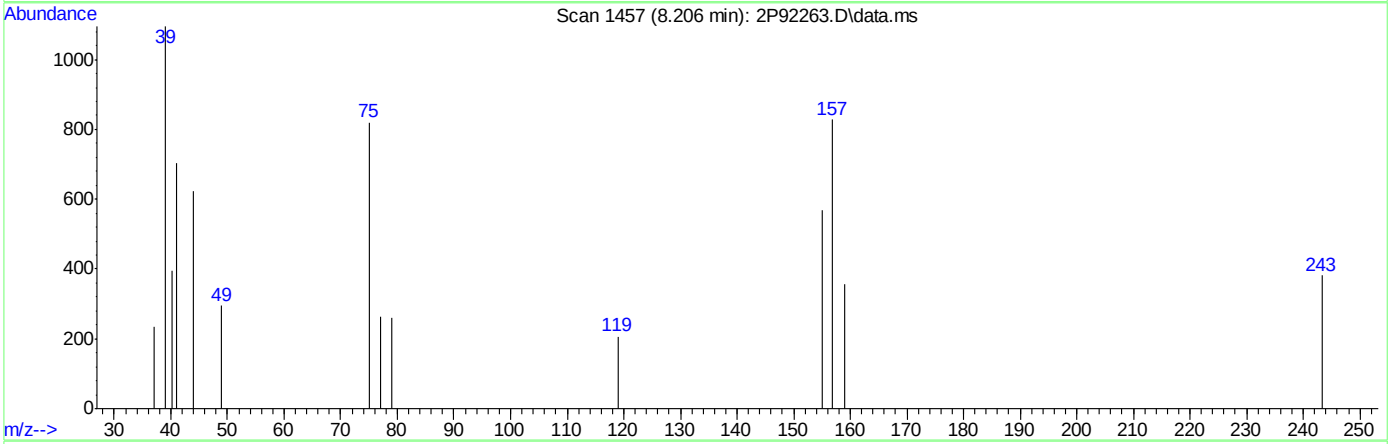
Ion	Exp%	Act%
75.00	100	0.00
154.90	74.10	0.00#
156.90	85.50	0.00#
39.00	122.20	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(109) 1,2-Dibromo-3-Chloropropane

8.206min (+0.003) 0.74ug/L m

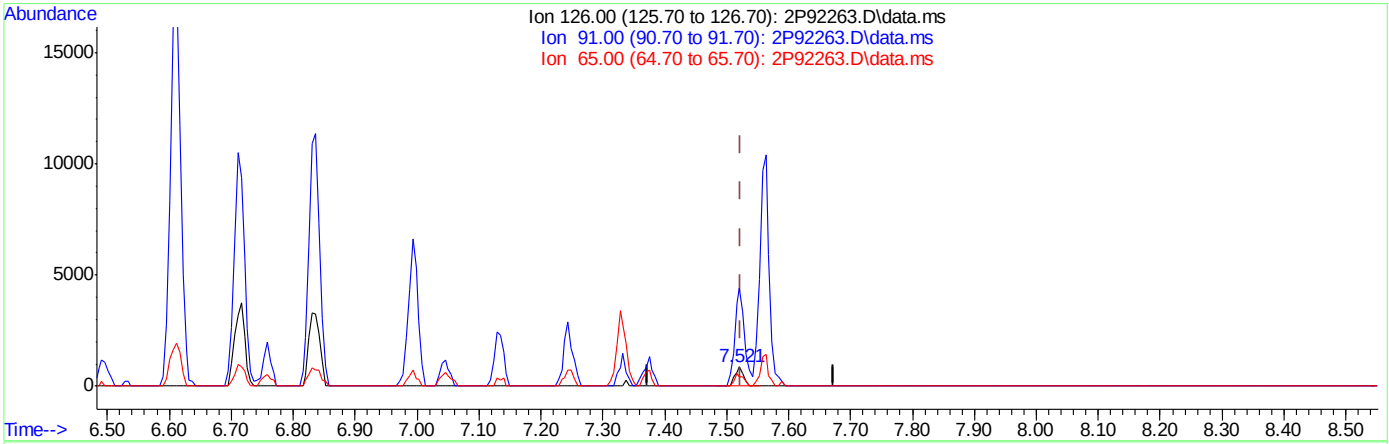
response 932

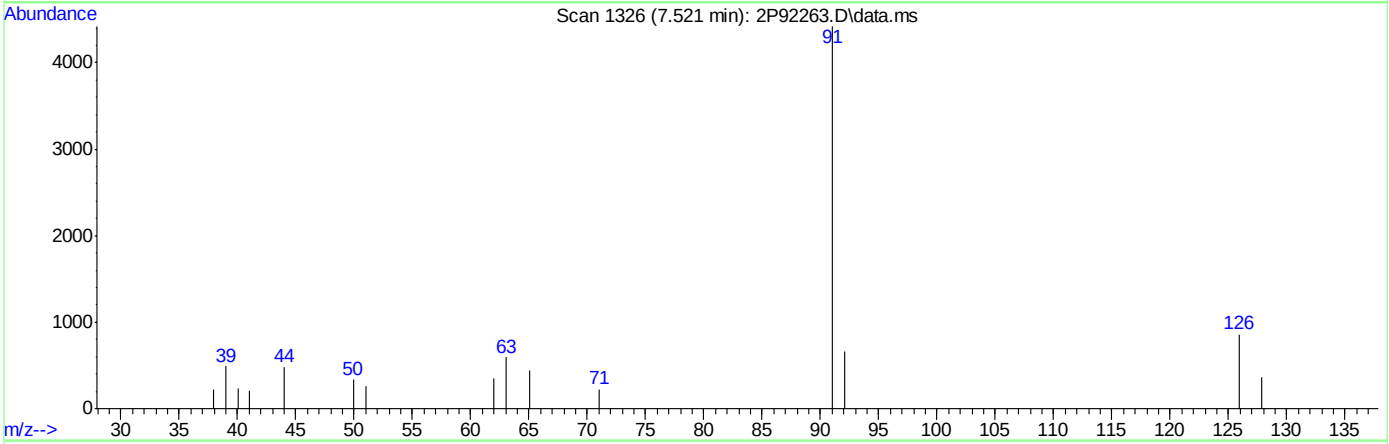
Ion	Exp%	Act%
75.00	100	100
154.90	74.10	69.60
156.90	85.50	101.10
39.00	122.20	133.70

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:08:00 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(107) Benzyl Chloride

7.521min (-0.002) 0.62ug/L m

response 838

Ion	Exp%	Act%
126.00	100	100
91.00	524.80	516.36
65.00	71.60	51.29#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:54 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.725	96	1290577	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.644	117	897703	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.332	152	403198	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.265	113	270124	46.32	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.64%				
49) 1,2-Dichloroethane-d4	3.552	65	378774	41.67	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 83.34%				
63) Toluene-d8	4.650	98	1230359	51.41	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 102.82%				
86) 4-Bromofluorobenzene	6.496	174	310144	46.27	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.54%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.127	85	18173	3.75	ug/L		98
3) Chloromethane	1.252	50	20517	2.85	ug/L		93
4) 1,3-butadiene	1.320	39	20772	3.23	ug/L		91
5) Vinyl Chloride	1.310	62	24345	3.77	ug/L		95
6) Bromomethane	1.513	94	16922	6.70	ug/L		99
7) Chloroethane	1.587	64	11544	5.19	ug/L		94
8) Trichlorofluoromethane	1.686	101	30131	5.23	ug/L		97
9) Ethyl Ether	1.879	59	24918	4.14	ug/L		85
10) Ethanol	1.947	45	15329	64.84	ug/L		88
11) 1,2-Dichlorotrifluoroe...	1.979	67	22588	4.31	ug/L		87
12) 1,1-Dichloroethene	1.989	61	32739	3.91	ug/L		89
13) Freon 113	2.021	101	20226	4.68	ug/L		97
14) Carbon Disulfide	2.010	76	47300	4.68	ug/L		83
15) Iodomethane	2.062	142	7787	1.32	ug/L		88
16) Acrolein	2.156	56	44147	21.20	ug/L		96
17) Allyl chloride	2.251	41	22787	3.00	ug/L		93
18) Methylene Chloride	2.303	49	45580	3.80	ug/L		78
19) Acetone	2.319	43	83434	18.37	ug/L		91
20) Methyl acetate	2.397	43	158182	15.51	ug/L		88
21) trans-1,2-Dichloroethene	2.407	61	33592	3.93	ug/L		81
22) Hexane	2.475	56	14894	3.36	ug/L	#	88
23) Methyl Tert Butyl Ether	2.470	73	73173	4.62	ug/L		89
24) Tert Butyl Alcohol	2.502	59	91250	38.36	ug/L		95
25) Acetonitrile	2.554	41	59508	35.06	ug/L		94
26) Di-isopropyl ether	2.690	45	70813	3.36	ug/L		92
27) Chloroprene	2.732	53	99184	2.97	ug/L		90
28) 1,1-Dichloroethane	2.732	63	43072	4.05	ug/L		92
29) Acrylonitrile	2.732	52	79032	18.31	ug/L		81
30) ETBE	2.883	59	80478	3.95	ug/L		91
31) Vinyl acetate	2.862	43	272570	17.81	ug/L		100
32) cis-1,2-Dichloroethene	3.024	96	26847	5.23	ug/L	#	82
33) 2,2-Dichloropropane	3.092	77	31037	4.57	ug/L		98
34) Bromochloromethane	3.129	128	12004	5.24	ug/L	#	65
35) Cyclohexane	3.165	56	38906	3.56	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:54 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.171	83	44643	4.76	ug/L		94
37) Ethyl acetate	3.228	43	211307	17.08	ug/L		94
38) Tetrahydrofuran	3.260	42	16825	3.25	ug/L		91
40) Carbon Tetrachloride	3.270	117	25941m	4.92	ug/L		
41) 1,1,1-Trichloroethane	3.296	97	35376	4.71	ug/L		96
42) 2-Butanone	3.317	43	144027	19.16	ug/L		79
43) 1,1-Dichloropropene	3.369	75	32613	4.64	ug/L		82
44) tert-Butyl formate	3.411	59	77006	21.61	ug/L		90
45) Propionitrile	3.458	54	90503	39.92	ug/L		97
46) Methacrylonitrile	3.484	41	235404	33.00	ug/L		98
47) Benzene	3.495	78	104936	4.83	ug/L		73
48) TAME	3.568	73	72443	4.73	ug/L		89
50) Isobutyl alcohol	3.584	43	88293m	63.98	ug/L		
51) 1,2-Dichloroethane	3.594	62	37281	4.04	ug/L		91
52) Tert Amyl Alcohol	3.646	59	69082	38.54	ug/L		88
53) Trichloroethene	3.829	95	26765	5.04	ug/L		93
54) Methylcyclohexane	3.850	83	33758	4.53	ug/L	#	81
55) Dibromomethane	4.054	93	14284	4.78	ug/L		97
56) 1,2-Dichloropropane	4.112	63	25411	4.24	ug/L		91
57) Bromodichloromethane	4.148	83	23490	4.69	ug/L		95
58) Methyl methacrylate	4.237	41	25850	3.13	ug/L	#	75
59) 1,4-Dioxane	4.258	88	16723	101.68	ug/L		92
60) 2-Chloroethyl vinyl ether	4.478	63	103802	21.59	ug/L		81
61) cis-1,3-Dichloropropene	4.525	75	29027	4.17	ug/L		76
64) Toluene	4.682	91	114476	5.45	ug/L		98
65) 2-Nitropropane	4.776	41	28595	12.44	ug/L		94
66) 4-Methyl-2-pentanone	4.891	43	217276	19.24	ug/L		93
67) trans-1,3-Dichloropropene	4.917	75	26173	4.40	ug/L		87
68) Tetrachloroethene	4.938	166	24044	4.72	ug/L		88
69) Ethyl methacrylate	5.032	69	37766	5.05	ug/L	#	74
70) 1,1,2-Trichloroethane	5.021	83	19526	5.27	ug/L		86
71) Dibromochloromethane	5.142	129	15708	4.86	ug/L		92
72) 1,3-Dichloropropane	5.194	76	43843	5.24	ug/L		81
73) 1,2-Dibromoethane	5.293	107	22775	5.15	ug/L		98
74) 3,3-dimethyl-1-butanol	5.414	57	431612	175.14	ug/L	#	88
75) 2-hexanone	5.429	43	244905	17.89	ug/L		84
76) 1-Chlorohexane	5.654	91	35433m	5.26	ug/L		
77) Ethylbenzene	5.685	91	124754	5.43	ug/L		95
78) Chlorobenzene	5.654	112	68797	5.56	ug/L		94
79) 1,1,1,2-Tetrachloroethane	5.696	131	19145	5.37	ug/L		92
80) m,p-Xylene	5.785	91	194619	10.72	ug/L		100
81) o-Xylene	6.077	91	95453	5.35	ug/L		98
82) Styrene	6.109	104	68945	5.15	ug/L		96
83) Bromoform	6.119	173	7924	4.47	ug/L		92
84) Isopropylbenzene	6.308	105	109252	5.32	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.527	53	11022	4.24	ug/L		92
88) n-Propylbenzene	6.611	91	129402	5.72	ug/L		98
89) Bromobenzene	6.574	156	27298	5.85	ug/L		88
90) 1,1,2,2-Tetrachloroethane	6.632	83	34540	5.59	ug/L		92
91) 1,3,5-Trimethylbenzene	6.757	105	91753	5.81	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:54 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

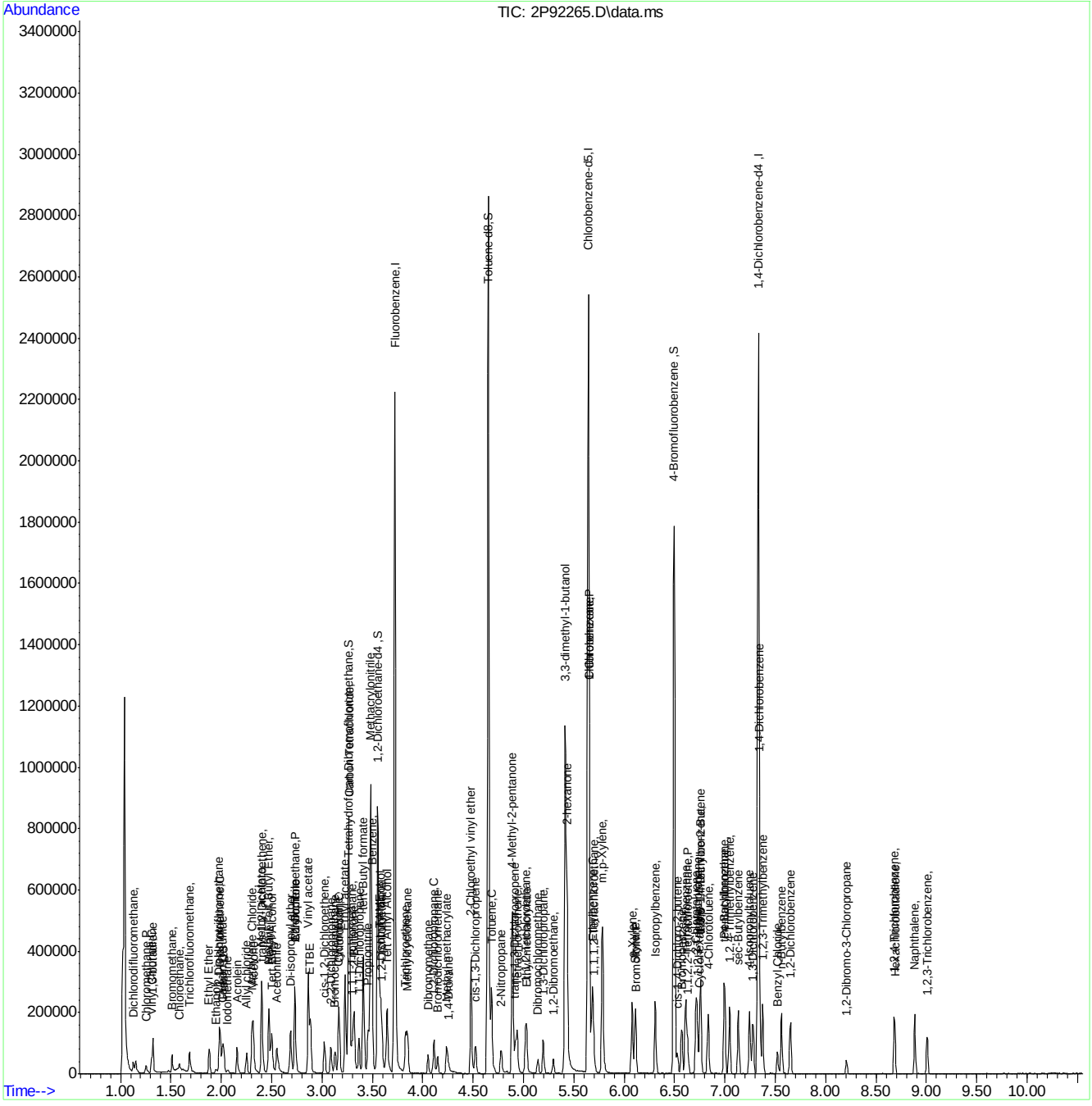
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	6.715	91	79896	5.82	ug/L		93
93) trans-1,4-Dichloro-2-B...	6.757	53	14007	4.15	ug/L		92
94) 1,2,3-Trichloropropane	6.726	110	12669	5.53	ug/L		83
95) Cyclohexanone	6.747	55	13270	22.45	ug/L		83
96) 4-Chlorotoluene	6.836	91	84303	5.87	ug/L		94
97) tert-Butylbenzene	6.998	91	49056	5.63	ug/L		94
99) 1,2,4-Trimethylbenzene	7.045	105	86779	5.65	ug/L		96
100) Pentachloroethane	6.992	167	9394	5.17	ug/L	#	47
101) sec-Butylbenzene	7.134	105	96243	5.71	ug/L		98
102) 4-Isopropyltoluene	7.243	119	82156	5.71	ug/L		94
103) 1,3-Dichlorobenzene	7.280	146	48323	5.71	ug/L		97
104) 1,2,3-Trimethylbenzene	7.374	105	90040	5.85	ug/L		97
105) 1,4-Dichlorobenzene	7.343	146	52295	5.78	ug/L		88
106) n-Butylbenzene	7.562	92	41492	5.71	ug/L		96
107) Benzyl Chloride	7.520	126	6116	4.36	ug/L	#	85
108) 1,2-Dichlorobenzene	7.651	146	45254	5.50	ug/L		96
109) 1,2-Dibromo-3-Chloropr...	8.205	75	6140	4.79	ug/L		87
110) Hexachlorobutadiene	8.686	225	8710	4.71	ug/L		92
111) 1,2,4-Trichlorobenzene	8.681	180	23047	5.06	ug/L		94
112) Naphthalene	8.885	128	89623	5.73	ug/L		99
113) 1,2,3-Trichlorobenzene	9.010	180	21722	5.05	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:54 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V2P3560-IC3560
Lab FileID: 2P92265.D
Injection Time: 08/24/22 10:22

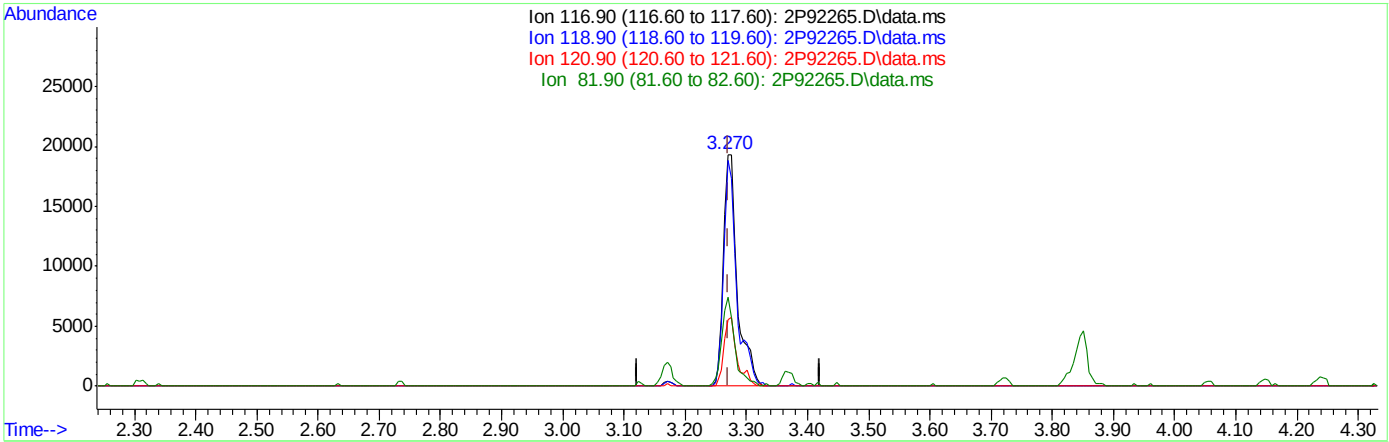
Method: SW846 8260D
Analyst approved: 08/24/22 10:38 Courtney Failla
Supervisor approved: 08/25/22 11:34 Karen Watson

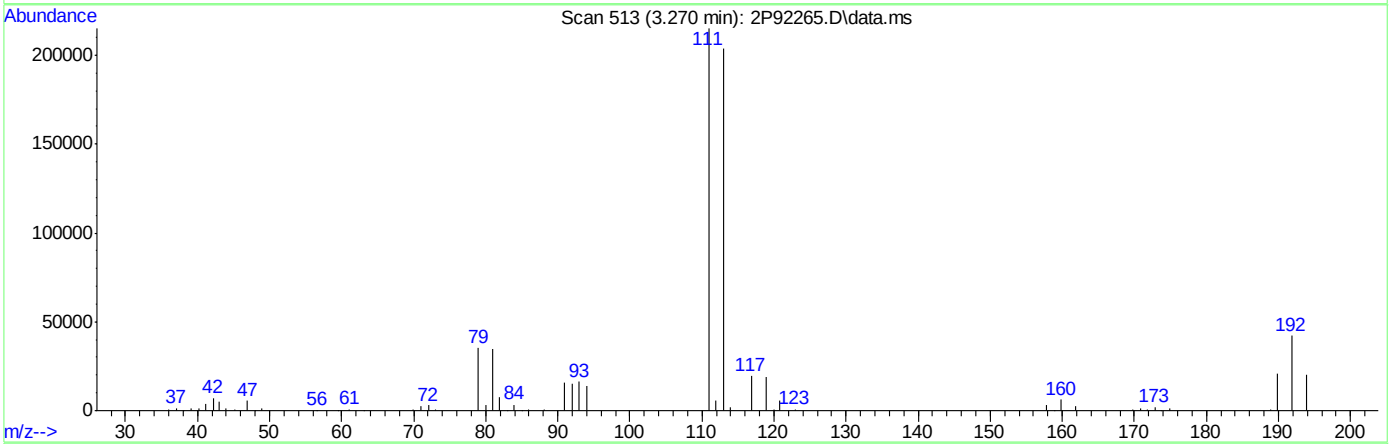
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:06 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92265.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (-0.002) 5.66ug/L

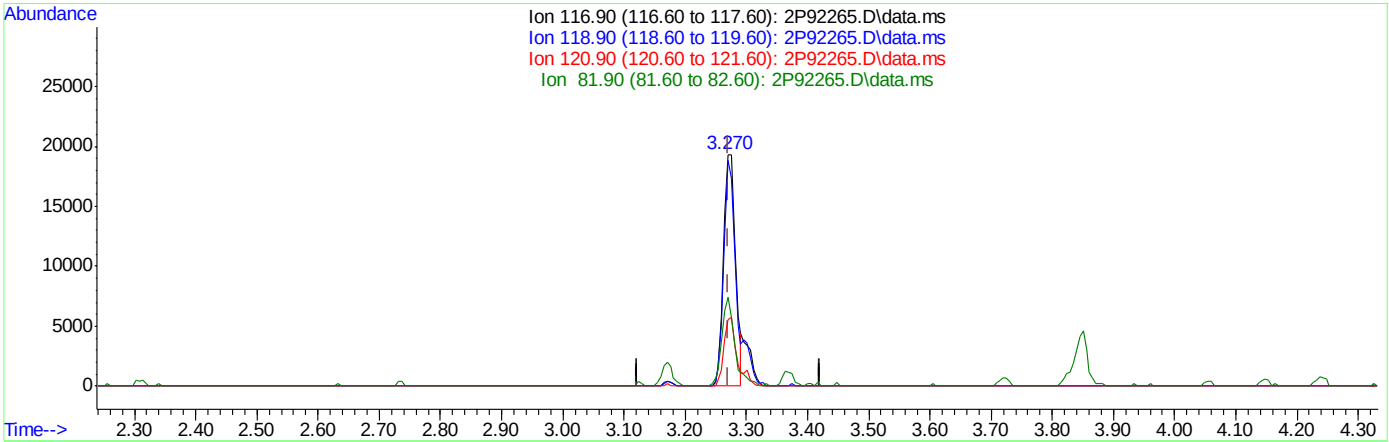
response 29823

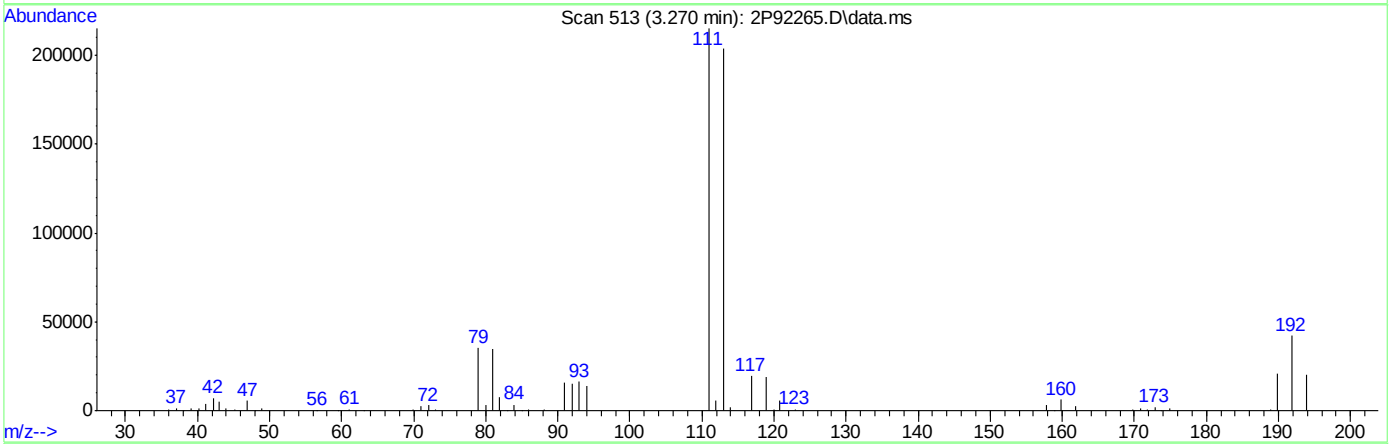
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	97.56
120.90	30.80	28.73
81.90	30.00	38.54

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:06 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92265.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (-0.002) 4.92ug/L m

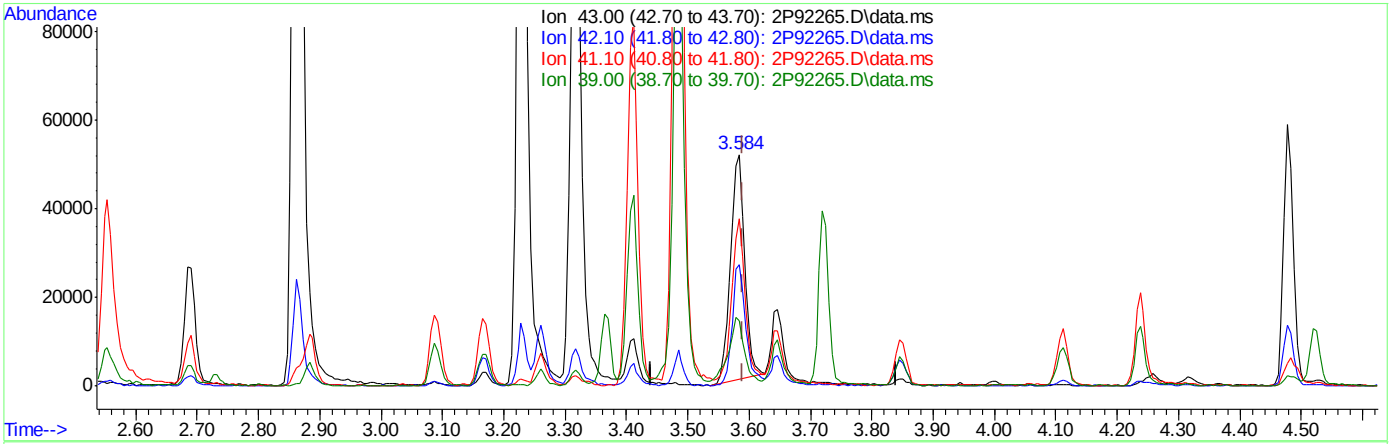
response 25941

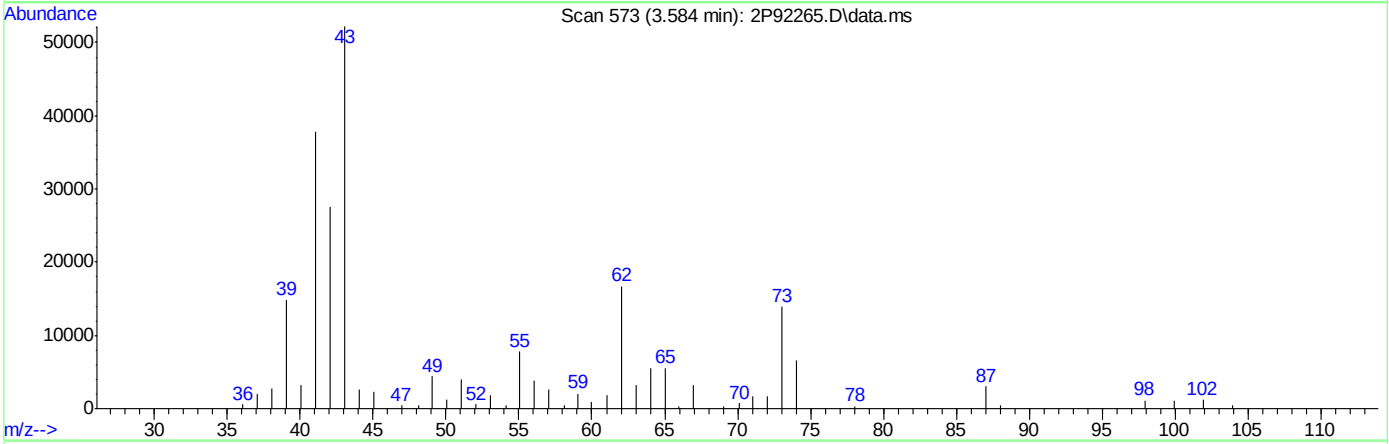
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	97.56
120.90	30.80	28.73
81.90	30.00	38.54

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
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Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:06 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92265.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.007) 58.55ug/L

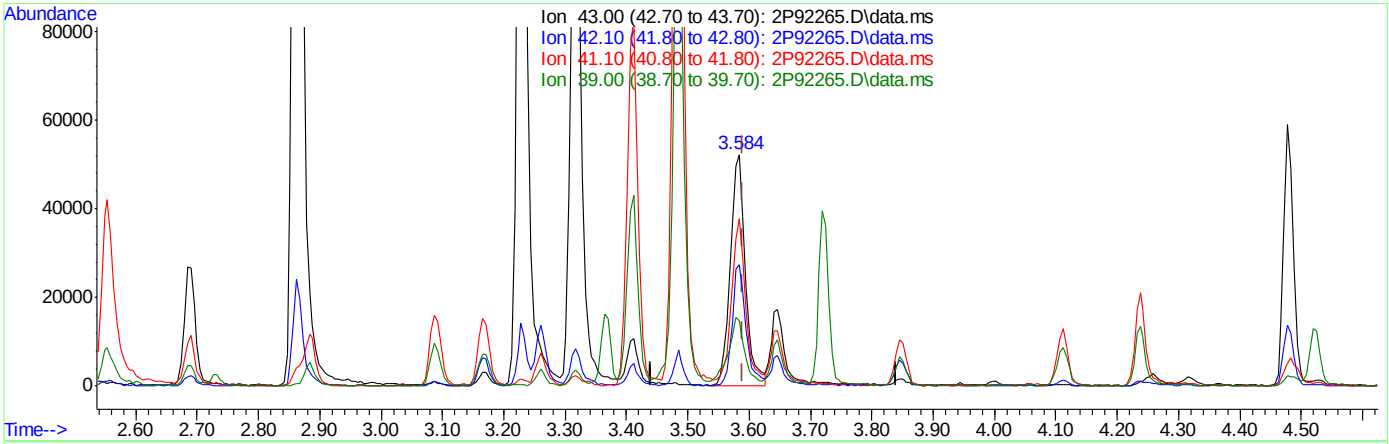
response 80799

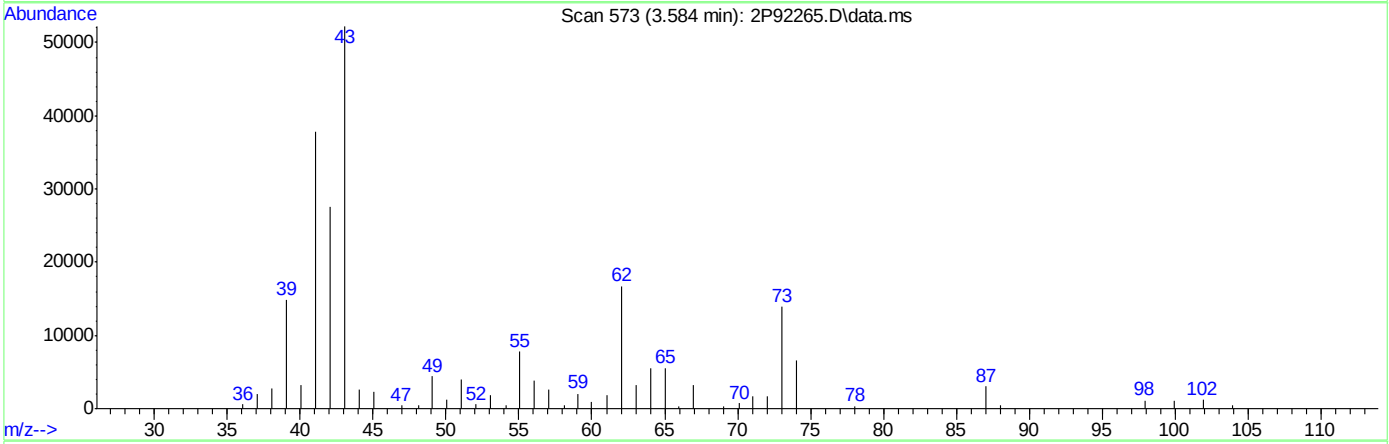
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	52.65
41.10	72.70	68.72
39.00	28.00	26.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
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Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:06 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92265.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.007) 63.98ug/L m

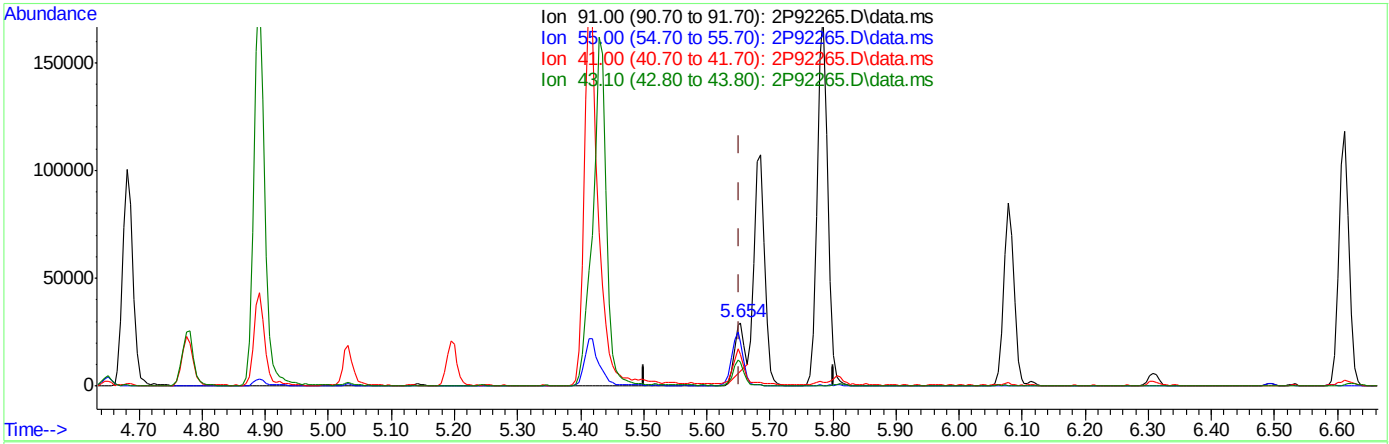
response 88293

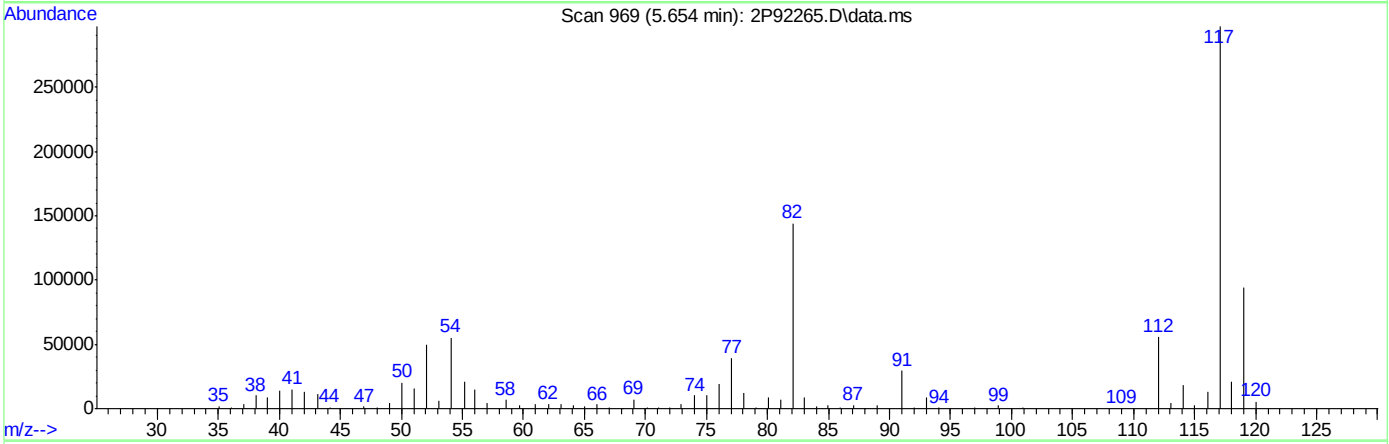
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	52.65
41.10	72.70	72.34
39.00	28.00	28.40

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:06 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92265.D\data.ms

(76) 1-Chlorohexane

5.654min (+0.003) 3.65ug/L

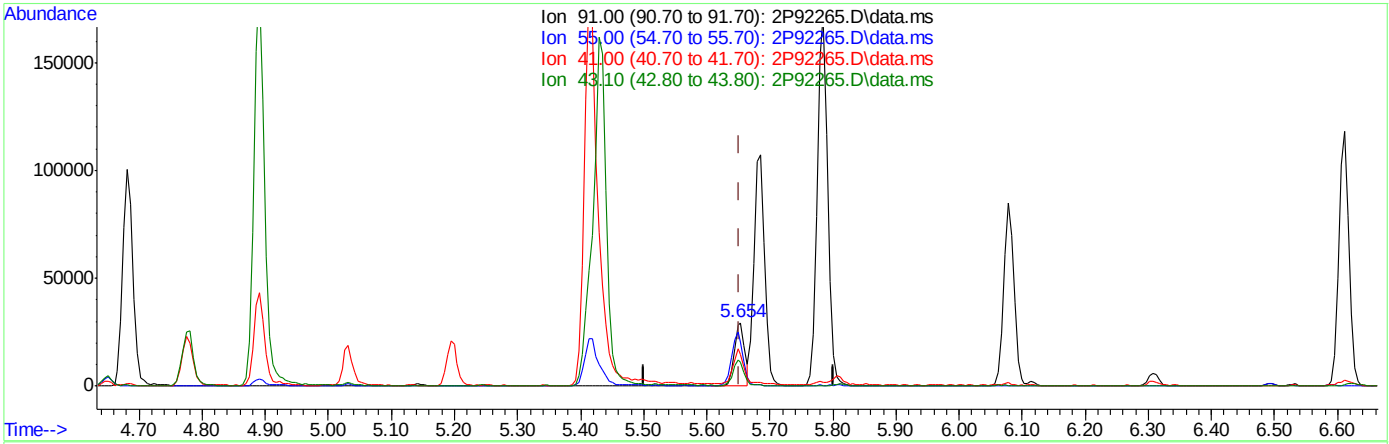
response 24624

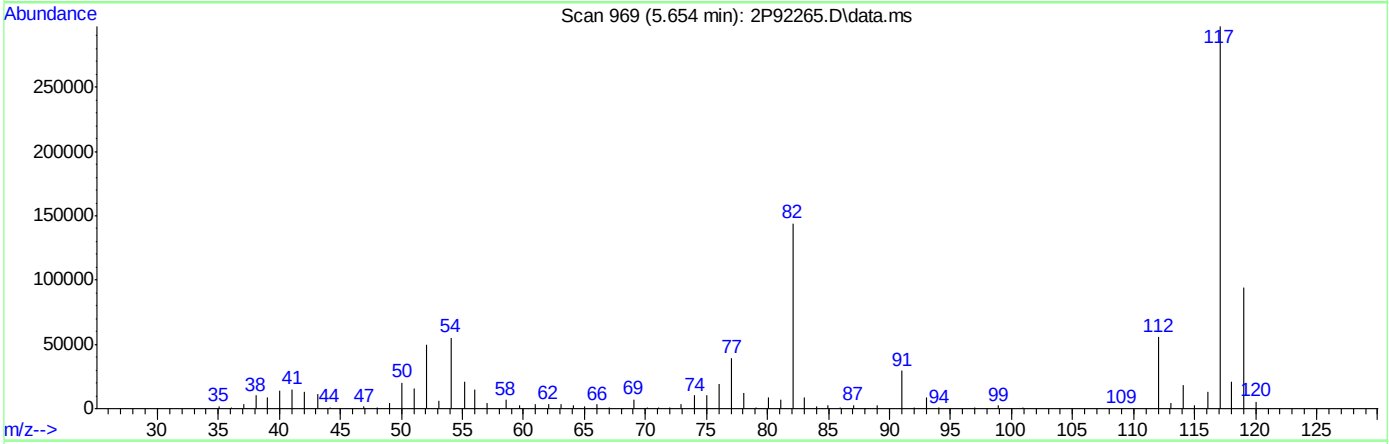
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	57.10#
41.00	83.00	45.04#
43.10	65.60	34.25#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:06 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92265.D\data.ms

(76) 1-Chlorohexane

5.654min (+0.003) 5.26ug/L m

response 35433

Ion	Exp%	Act%
91.00	100	100
55.00	103.70	69.86#
41.00	83.00	50.82#
43.10	65.60	38.01#

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:09:52 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.720	96	1295262	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.644	117	905061	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	411980	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.265	113	274375	46.88	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.76%				
49) 1,2-Dichloroethane-d4	3.553	65	384569	42.15	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 84.30%				
63) Toluene-d8	4.651	98	1246124	51.65	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 103.30%				
86) 4-Bromofluorobenzene	6.496	174	319677	46.68	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.36%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.127	85	31403	6.46	ug/L		100
3) Chloromethane	1.252	50	38308	5.31	ug/L		100
4) 1,3-butadiene	1.320	39	29714	4.60	ug/L		90
5) Vinyl Chloride	1.305	62	45651	7.05	ug/L		98
6) Bromomethane	1.514	94	31072	12.26	ug/L		94
7) Chloroethane	1.587	64	17033	7.63	ug/L		94
8) Trichlorofluoromethane	1.681	101	54389	9.40	ug/L		94
9) Ethyl Ether	1.880	59	42493	7.04	ug/L		84
10) Ethanol	1.953	45	22426	94.81	ug/L		100
11) 1,2-Dichlorotrifluoroe...	1.979	67	36857	7.00	ug/L		88
12) 1,1-Dichloroethene	1.984	61	52626	6.26	ug/L		92
13) Freon 113	2.021	101	31257	7.20	ug/L		91
14) Carbon Disulfide	2.005	76	81680	7.97	ug/L		91
15) Iodomethane	2.063	142	17236	2.92	ug/L		88
16) Acrolein	2.157	56	73711	35.20	ug/L		100
17) Allyl chloride	2.251	41	34244	4.50	ug/L		95
18) Methylene Chloride	2.303	49	66775	5.57	ug/L		78
19) Acetone	2.319	43	138555	30.43	ug/L		89
20) Methyl acetate	2.397	43	285484	27.88	ug/L		88
21) trans-1,2-Dichloroethene	2.408	61	56462	6.58	ug/L		78
22) Hexane	2.471	56	22860	5.14	ug/L	#	93
23) Methyl Tert Butyl Ether	2.471	73	130596	8.22	ug/L		83
24) Tert Butyl Alcohol	2.502	59	161231	67.54	ug/L		93
25) Acetonitrile	2.549	41	89361	52.71	ug/L		94
26) Di-isopropyl ether	2.690	45	121811	5.75	ug/L		92
27) Chloroprene	2.732	53	164073	4.90	ug/L		92
28) 1,1-Dichloroethane	2.732	63	74326	6.97	ug/L		91
29) Acrylonitrile	2.732	52	130970	30.23	ug/L		82
30) ETBE	2.884	59	143298	7.01	ug/L		90
31) Vinyl acetate	2.863	43	460988	30.02	ug/L		99
32) cis-1,2-Dichloroethene	3.025	96	44939	8.73	ug/L		85
33) 2,2-Dichloropropane	3.087	77	53618	7.82	ug/L		97
34) Bromochloromethane	3.129	128	21383	9.31	ug/L	#	64
35) Cyclohexane	3.166	56	64821	5.92	ug/L	#	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:09:52 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.171	83	76083	8.08	ug/L		93
37) Ethyl acetate	3.229	43	356460	28.72	ug/L		94
38) Tetrahydrofuran	3.260	42	27557	5.30	ug/L		82
40) Carbon Tetrachloride	3.270	117	40996m	7.75	ug/L		
41) 1,1,1-Trichloroethane	3.297	97	59644	7.92	ug/L		93
42) 2-Butanone	3.317	43	232206	30.77	ug/L		76
43) 1,1-Dichloropropene	3.365	75	55048	7.81	ug/L		85
44) tert-Butyl formate	3.412	59	137264	37.80	ug/L		94
45) Propionitrile	3.459	54	137310	60.26	ug/L		96
46) Methacrylonitrile	3.485	41	364915	50.90	ug/L		98
47) Benzene	3.495	78	182924	8.39	ug/L	#	67
48) TAME	3.568	73	128393	8.35	ug/L		91
50) Isobutyl alcohol	3.584	43	147999m	106.86	ug/L		
51) 1,2-Dichloroethane	3.589	62	65905	7.11	ug/L		91
52) Tert Amyl Alcohol	3.647	59	128328	71.34	ug/L		92
53) Trichloroethene	3.830	95	44907	8.42	ug/L		94
54) Methylcyclohexane	3.845	83	55101	7.37	ug/L	#	83
55) Dibromomethane	4.055	93	25053	8.36	ug/L		98
56) 1,2-Dichloropropane	4.112	63	44152	7.35	ug/L		91
57) Bromodichloromethane	4.149	83	41940	8.25	ug/L		96
58) Methyl methacrylate	4.238	41	41690	5.01	ug/L	#	76
59) 1,4-Dioxane	4.259	88	30220	183.09	ug/L		80
60) 2-Chloroethyl vinyl ether	4.478	63	177220	36.61	ug/L		82
61) cis-1,3-Dichloropropene	4.525	75	54531	7.73	ug/L		79
64) Toluene	4.682	91	197103	9.31	ug/L		100
65) 2-Nitropropane	4.776	41	55377	23.57	ug/L		99
66) 4-Methyl-2-pentanone	4.891	43	365886	32.13	ug/L		91
67) trans-1,3-Dichloropropene	4.917	75	51575	8.51	ug/L		84
68) Tetrachloroethene	4.938	166	40506	7.89	ug/L		88
69) Ethyl methacrylate	5.032	69	60736	8.06	ug/L	#	78
70) 1,1,2-Trichloroethane	5.022	83	34075	9.13	ug/L		85
71) Dibromochloromethane	5.147	129	29481	8.93	ug/L		89
72) 1,3-Dichloropropane	5.194	76	73968	8.76	ug/L		82
73) 1,2-Dibromoethane	5.294	107	40675	9.13	ug/L		99
74) 3,3-dimethyl-1-butanol	5.414	57	766291	308.42	ug/L	#	87
75) 2-hexanone	5.430	43	417576	30.26	ug/L		82
76) 1-Chlorohexane	5.649	91	57928m	8.52	ug/L		
77) Ethylbenzene	5.681	91	213848	9.23	ug/L		95
78) Chlorobenzene	5.654	112	116184	9.31	ug/L		93
79) 1,1,1,2-Tetrachloroethane	5.696	131	34431	9.51	ug/L		97
80) m,p-Xylene	5.785	91	337237	18.43	ug/L		97
81) o-Xylene	6.078	91	169648	9.43	ug/L		98
82) Styrene	6.109	104	123237	9.13	ug/L		96
83) Bromoform	6.120	173	14855	8.14	ug/L		95
84) Isopropylbenzene	6.308	105	186958	9.03	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.527	53	17968	6.70	ug/L		92
88) n-Propylbenzene	6.611	91	224394	9.70	ug/L		100
89) Bromobenzene	6.575	156	47147	9.88	ug/L	#	82
90) 1,1,2,2-Tetrachloroethane	6.632	83	63942	10.13	ug/L		96
91) 1,3,5-Trimethylbenzene	6.758	105	159081	9.86	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
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Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:09:52 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

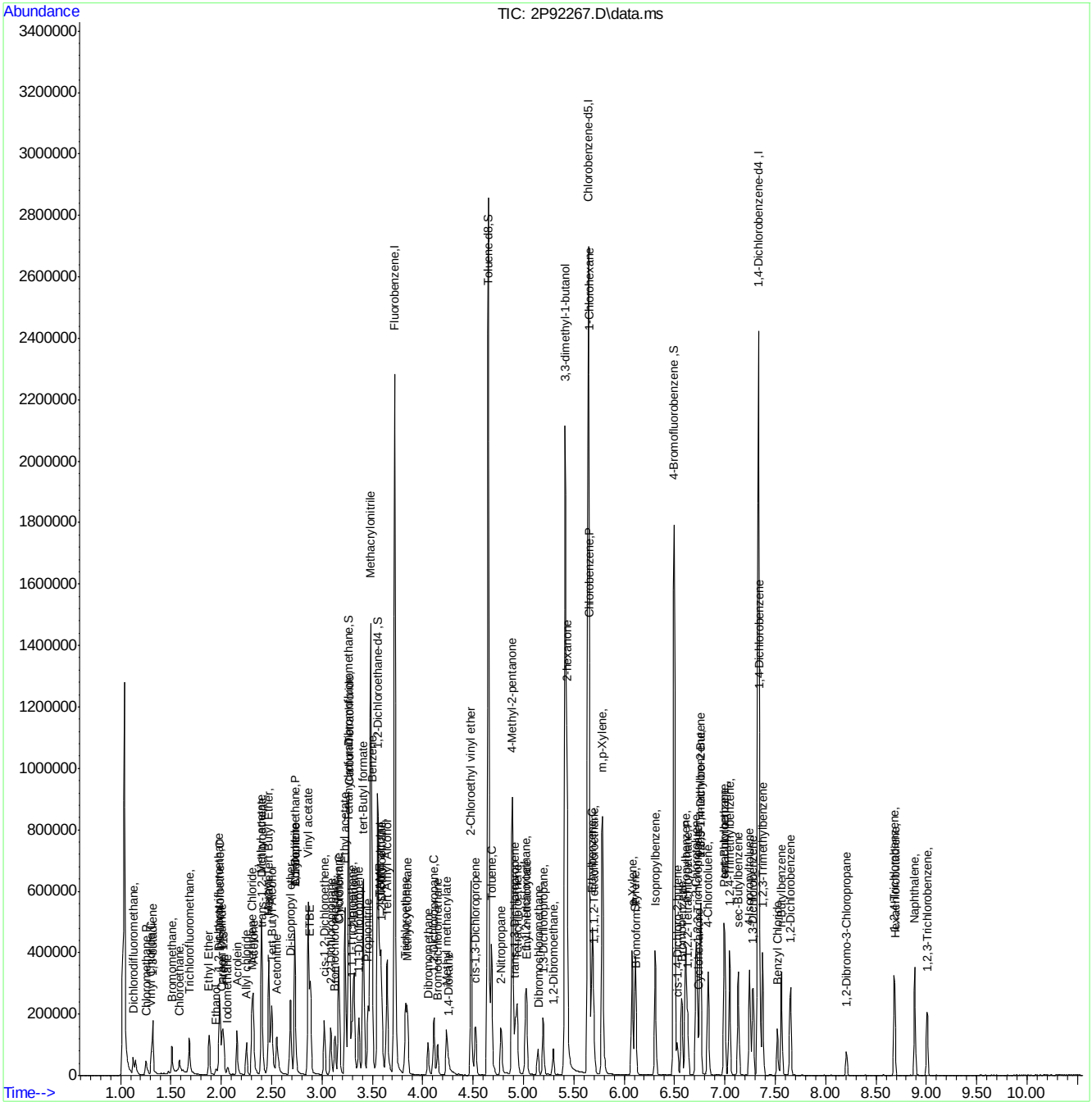
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	6.716	91	138409	9.86	ug/L		96
93) trans-1,4-Dichloro-2-B...	6.758	53	25118	7.23	ug/L		93
94) 1,2,3-Trichloropropane	6.726	110	24445	10.44	ug/L	#	75
95) Cyclohexanone	6.742	55	24028	39.78	ug/L		89
96) 4-Chlorotoluene	6.831	91	143924	9.80	ug/L		96
97) tert-Butylbenzene	6.993	91	87545	9.83	ug/L		91
99) 1,2,4-Trimethylbenzene	7.045	105	153377	9.78	ug/L		98
100) Pentachloroethane	6.998	167	15356	8.16	ug/L	#	48
101) sec-Butylbenzene	7.134	105	163120	9.48	ug/L		98
102) 4-Isopropyltoluene	7.244	119	145551	9.90	ug/L		97
103) 1,3-Dichlorobenzene	7.280	146	83984	9.71	ug/L		97
104) 1,2,3-Trimethylbenzene	7.374	105	157661	10.02	ug/L		97
105) 1,4-Dichlorobenzene	7.343	146	87924	9.52	ug/L		93
106) n-Butylbenzene	7.563	92	71211	9.59	ug/L		99
107) Benzyl Chloride	7.521	126	13387	9.02	ug/L		97
108) 1,2-Dichlorobenzene	7.651	146	77756	9.25	ug/L		96
109) 1,2-Dibromo-3-Chloropr...	8.206	75	12068	9.06	ug/L		81
110) Hexachlorobutadiene	8.687	225	13621	7.22	ug/L		84
111) 1,2,4-Trichlorobenzene	8.681	180	41466	8.91	ug/L		95
112) Naphthalene	8.885	128	165055	10.33	ug/L		100
113) 1,2,3-Trichlorobenzene	9.011	180	38421	8.74	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:09:52 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V2P3560-IC3560
Lab FileID: 2P92267.D
Injection Time: 08/24/22 10:54

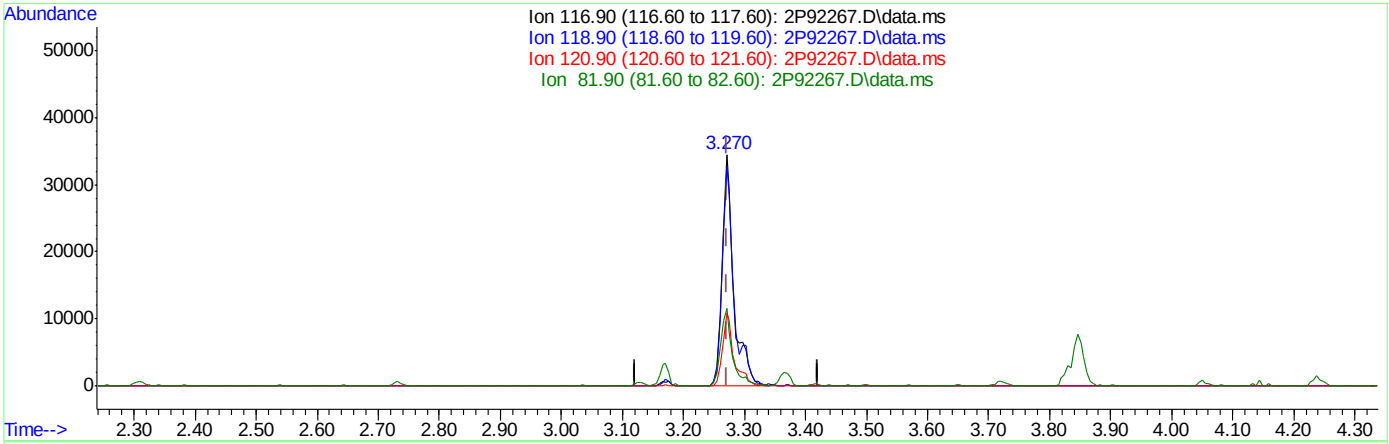
Method: SW846 8260D
Analyst approved: 08/24/22 11:11 Courtney Failla
Supervisor approved: 08/25/22 11:34 Karen Watson

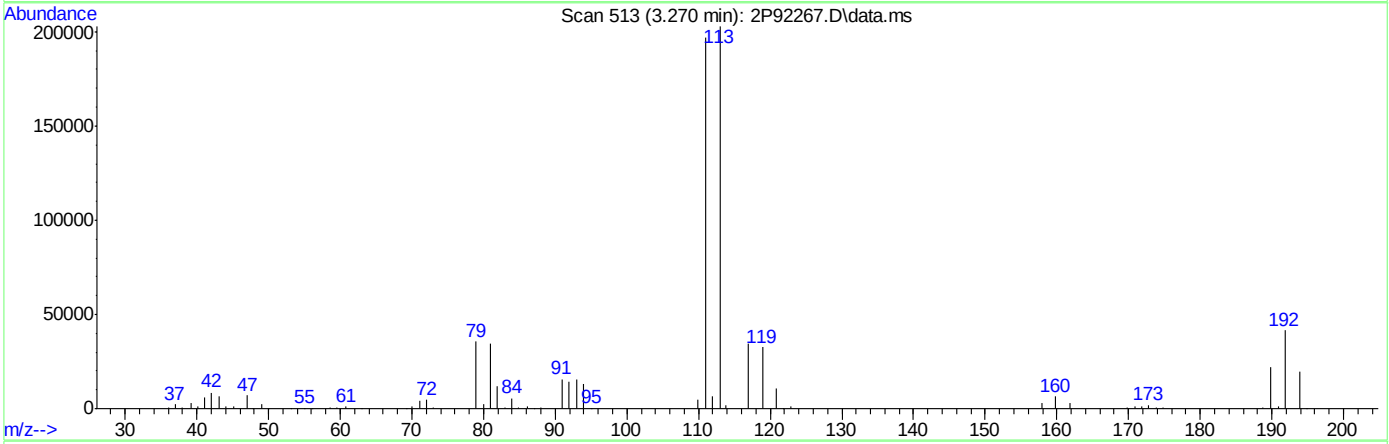
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:08:55 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92267.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (-0.001) 8.88ug/L

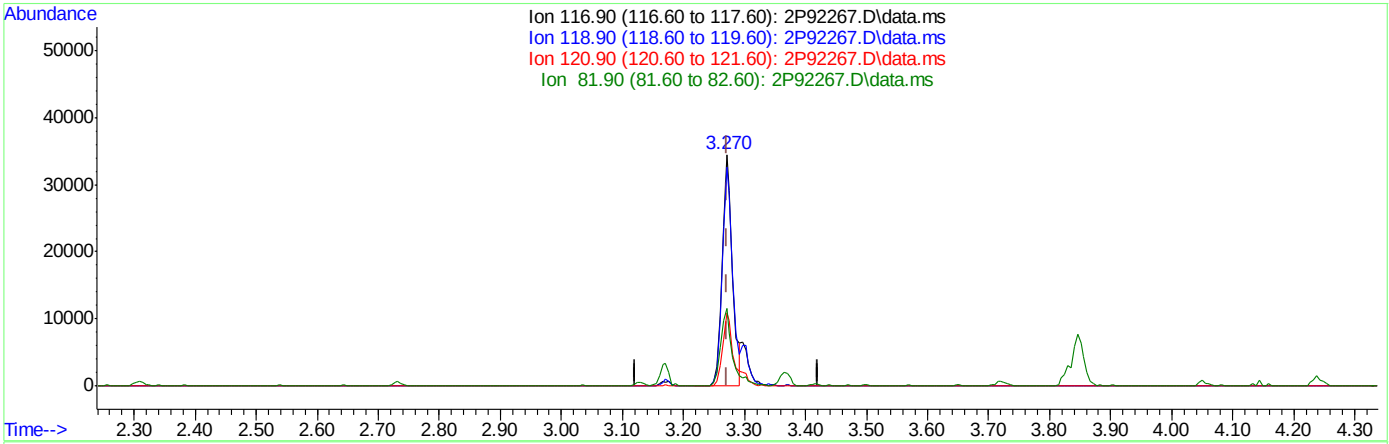
response 46995

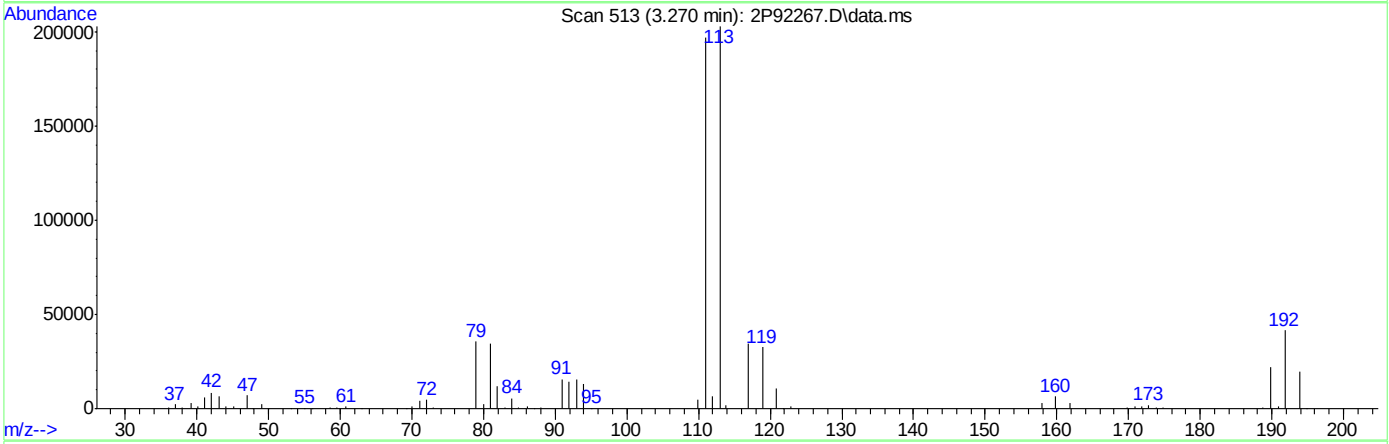
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	94.52
120.90	30.80	31.60
81.90	30.00	33.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:08:55 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92267.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (-0.001) 7.75ug/L m

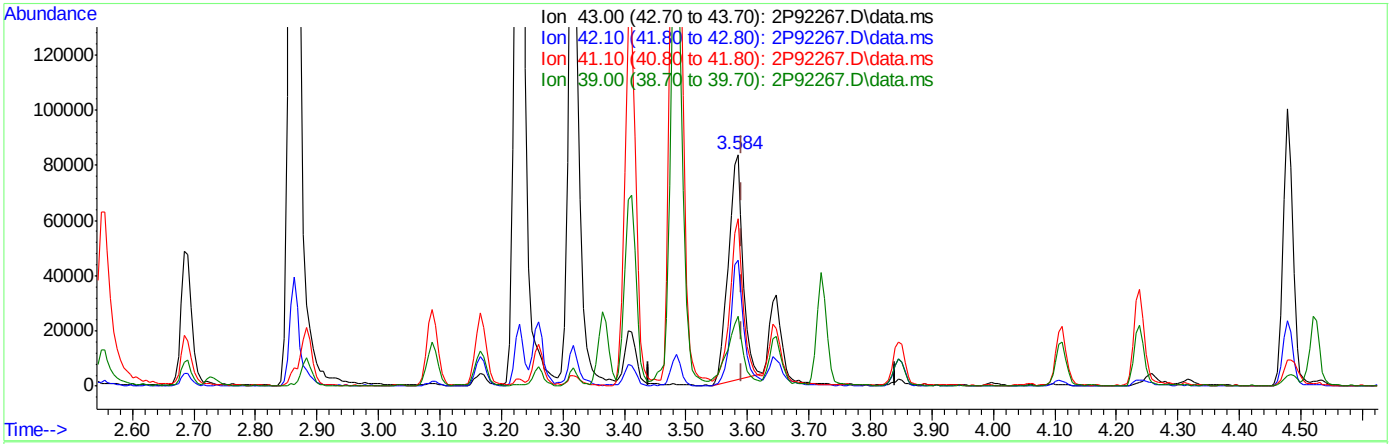
response 40996

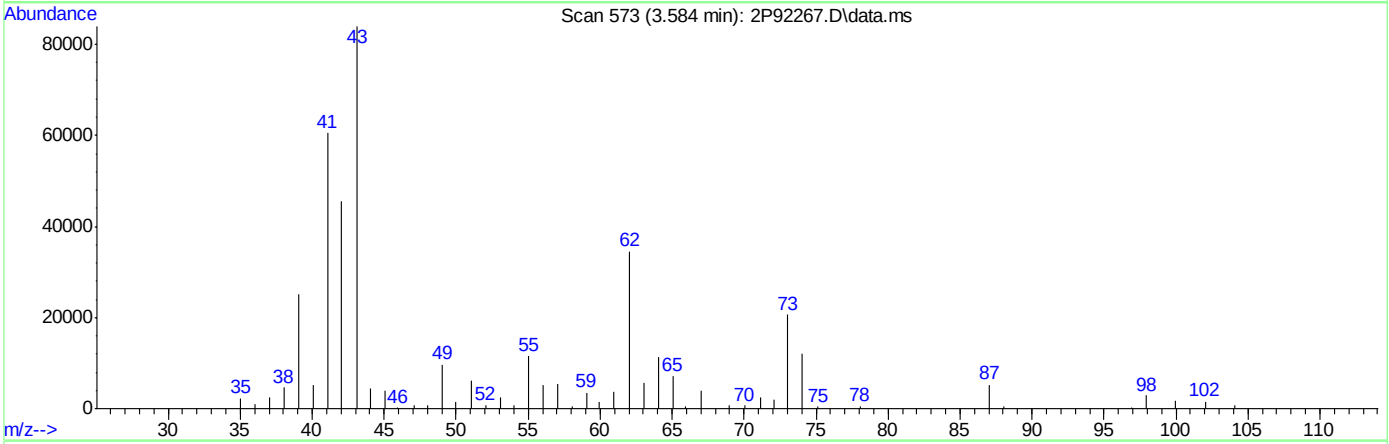
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	94.52
120.90	30.80	31.60
81.90	30.00	33.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
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Operator : courtnef
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Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:08:55 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92267.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.007) 97.71ug/L

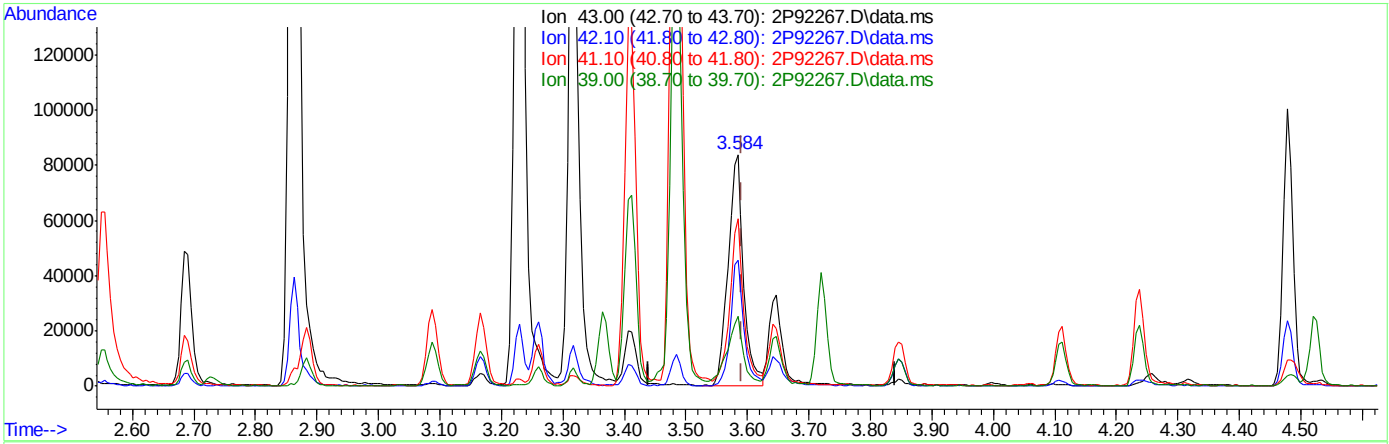
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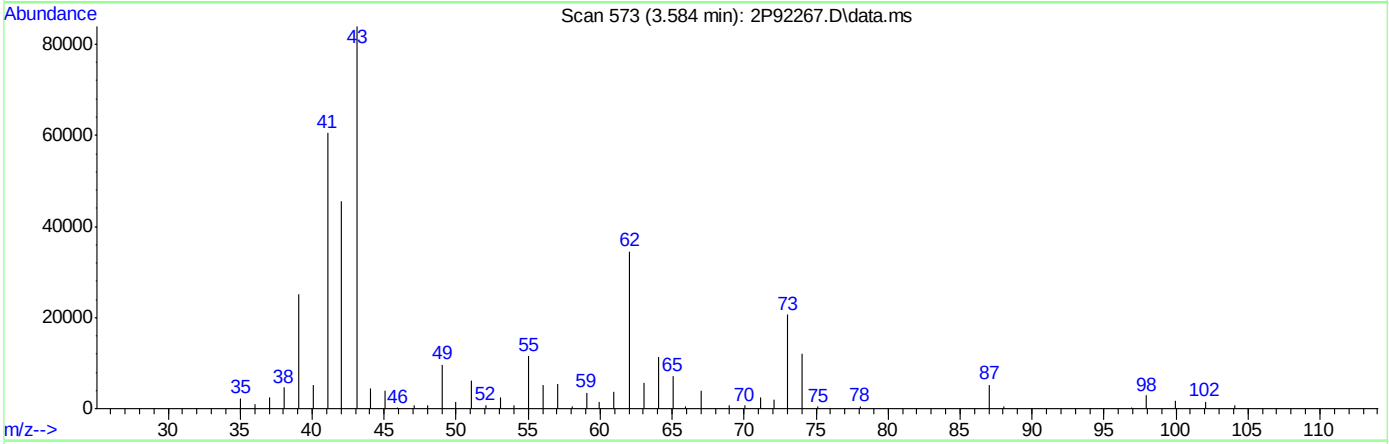
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	54.22
41.10	72.70	70.03
39.00	28.00	27.19

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:08:55 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92267.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.007) 106.86ug/L m

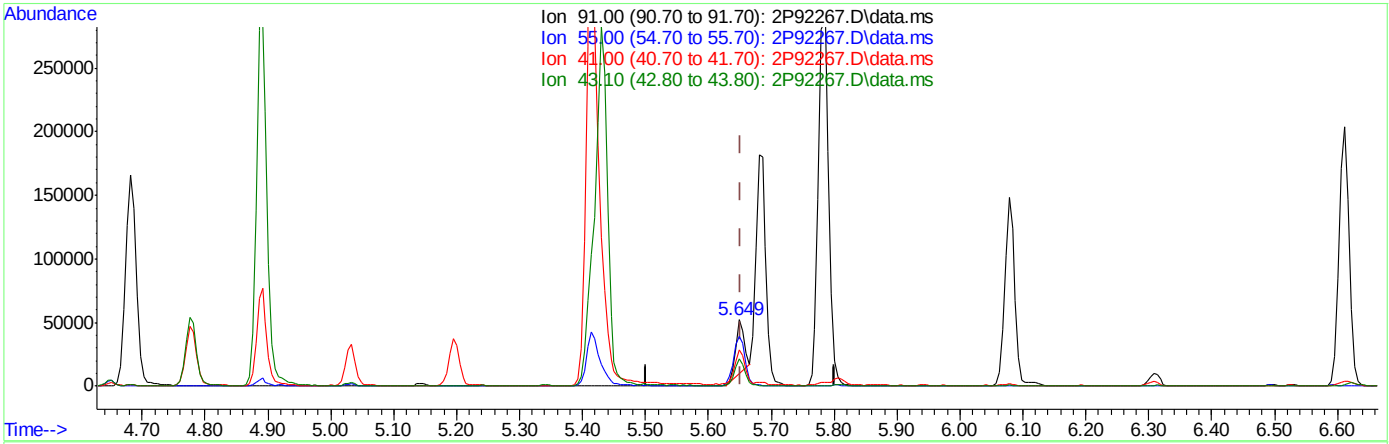
response 147999

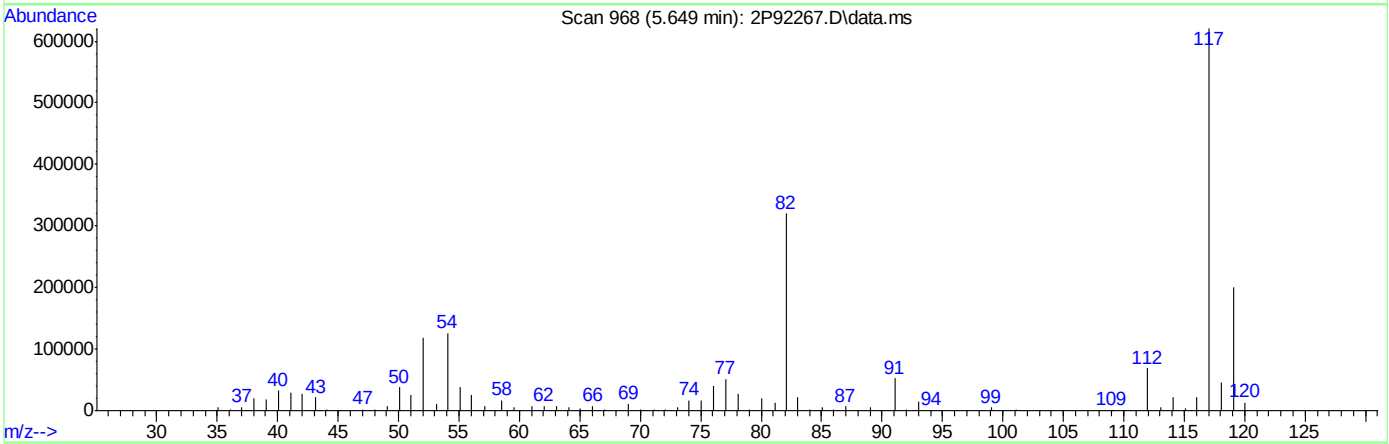
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	54.40
41.10	72.70	72.03
39.00	28.00	30.05

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:08:55 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92267.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 5.72ug/L

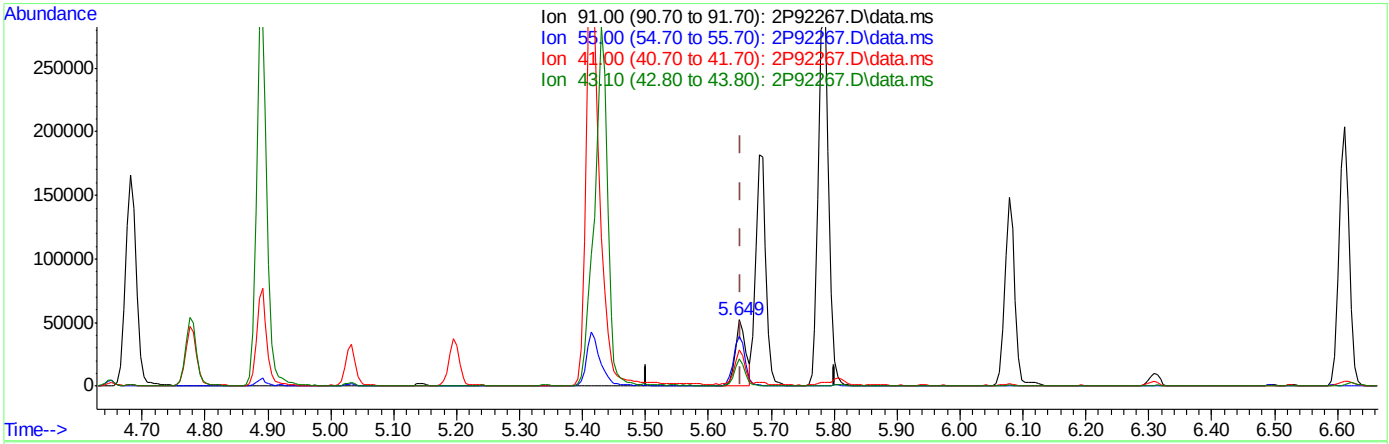
response 38889

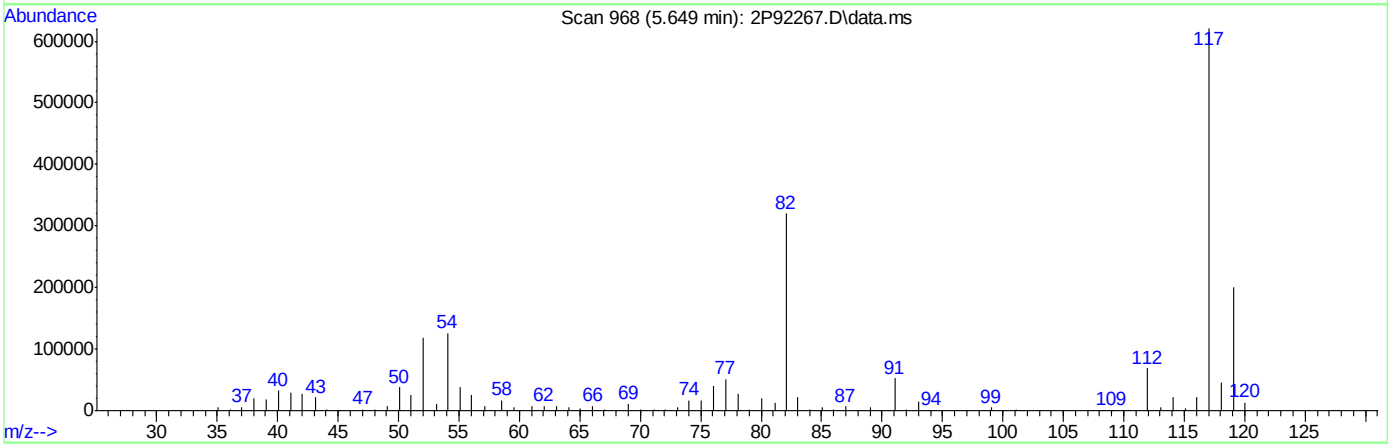
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	72.16#
41.00	83.00	51.98#
43.10	65.60	39.54#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:08:55 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92267.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 8.52ug/L m

response 57928

Ion	Exp%	Act%
91.00	100	100
55.00	103.70	74.86#
41.00	83.00	55.14#
43.10	65.60	40.78#

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:41:33 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.721	96	1325704	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.645	117	930860	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.334	152	422651	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.266	113	285574	47.67	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.34%				
49) 1,2-Dichloroethane-d4	3.554	65	393868	42.18	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 84.36%				
63) Toluene-d8	4.652	98	1284303	51.76	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 103.52%				
86) 4-Bromofluorobenzene	6.497	174	333389	47.45	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.128	85	77096	15.50	ug/L		98
3) Chloromethane	1.253	50	93714	12.69	ug/L		97
4) 1,3-butadiene	1.321	39	87202	13.18	ug/L		89
5) Vinyl Chloride	1.306	62	115463	17.42	ug/L		100
6) Bromomethane	1.510	94	73790	28.44	ug/L		98
7) Chloroethane	1.583	64	37143	16.25	ug/L		97
8) Trichlorofluoromethane	1.677	101	124851	21.09	ug/L		95
9) Ethyl Ether	1.881	59	109005	17.64	ug/L		84
10) Ethanol	1.959	45	69675	293.74	ug/L		96
11) 1,2-Dichlorotrifluoroe...	1.980	67	102439	19.01	ug/L		90
12) 1,1-Dichloroethene	1.985	61	151994	17.66	ug/L		90
13) Freon 113	2.017	101	90678	20.41	ug/L		95
14) Carbon Disulfide	2.006	76	244396	22.29	ug/L		89
15) Iodomethane	2.064	142	62420	10.29	ug/L		92
16) Acrolein	2.158	56	210466	97.36	ug/L		100
17) Allyl chloride	2.252	41	108742	13.96	ug/L		92
18) Methylene Chloride	2.304	49	154112	12.84	ug/L		77
19) Acetone	2.320	43	376457	81.24	ug/L		91
20) Methyl acetate	2.398	43	774276	73.89	ug/L		88
21) trans-1,2-Dichloroethene	2.404	61	154585	17.60	ug/L		82
22) Hexane	2.472	56	69763	15.32	ug/L	#	90
23) Methyl Tert Butyl Ether	2.472	73	358780	22.06	ug/L		85
24) Tert Butyl Alcohol	2.503	59	469044	191.97	ug/L		90
25) Acetonitrile	2.555	41	248077	146.67	ug/L		99
26) Di-isopropyl ether	2.686	45	322589	14.89	ug/L		92
27) Chloroprene	2.733	53	465554	13.59	ug/L		92
28) 1,1-Dichloroethane	2.733	63	203817	18.67	ug/L		95
29) Acrylonitrile	2.733	52	367659	82.91	ug/L		81
30) ETBE	2.885	59	387201	18.51	ug/L		91
31) Vinyl acetate	2.864	43	1320515	84.01	ug/L		99
32) cis-1,2-Dichloroethene	3.026	96	119758	22.72	ug/L	#	83
33) 2,2-Dichloropropane	3.088	77	154206	21.30	ug/L		98
34) Bromochloromethane	3.130	128	54354	23.11	ug/L	#	63
35) Cyclohexane	3.167	56	182281	16.26	ug/L	#	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:41:33 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.172	83	203626	21.14	ug/L		92
37) Ethyl acetate	3.230	43	1004635	79.07	ug/L		94
38) Tetrahydrofuran	3.261	42	76422	14.36	ug/L		88
40) Carbon Tetrachloride	3.271	117	124530m	22.99	ug/L		
41) 1,1,1-Trichloroethane	3.298	97	174565	22.65	ug/L		94
42) 2-Butanone	3.318	43	638467	82.43	ug/L		75
43) 1,1-Dichloropropene	3.365	75	153922	21.33	ug/L		85
44) tert-Butyl formate	3.413	59	415583	105.24	ug/L		96
45) Propionitrile	3.460	54	408073	173.53	ug/L		99
46) Methacrylonitrile	3.486	41	1090165	147.60	ug/L		98
47) Benzene	3.496	78	482180	21.62	ug/L	#	68
48) TAME	3.569	73	354042	22.50	ug/L		85
50) Isobutyl alcohol	3.585	43	448045m	316.08	ug/L		
51) 1,2-Dichloroethane	3.590	62	173894	18.33	ug/L		93
52) Tert Amyl Alcohol	3.648	59	380919	206.90	ug/L		91
53) Trichloroethene	3.826	95	121308	22.23	ug/L		95
54) Methylcyclohexane	3.846	83	156889	20.51	ug/L	#	81
55) Dibromomethane	4.050	93	69383	22.61	ug/L		95
56) 1,2-Dichloropropane	4.113	63	120480	19.59	ug/L		88
57) Bromodichloromethane	4.144	83	124513	22.82	ug/L		96
58) Methyl methacrylate	4.239	41	136664	15.74	ug/L	#	76
59) 1,4-Dioxane	4.254	88	81389	481.77	ug/L		80
60) 2-Chloroethyl vinyl ether	4.479	63	496175	98.80	ug/L		80
61) cis-1,3-Dichloropropene	4.521	75	163437	21.87	ug/L		80
64) Toluene	4.683	91	521365	23.95	ug/L		100
65) 2-Nitropropane	4.777	41	202424	78.60	ug/L		97
66) 4-Methyl-2-pentanone	4.892	43	1036780	88.52	ug/L		92
67) trans-1,3-Dichloropropene	4.918	75	149978	23.29	ug/L		84
68) Tetrachloroethene	4.939	166	113299	21.46	ug/L		92
69) Ethyl methacrylate	5.028	69	188909	24.38	ug/L	#	76
70) 1,1,2-Trichloroethane	5.018	83	91877	23.92	ug/L		89
71) Dibromochloromethane	5.143	129	92491	25.87	ug/L		96
72) 1,3-Dichloropropane	5.195	76	199298	22.95	ug/L		80
73) 1,2-Dibromoethane	5.295	107	111178	24.26	ug/L		98
74) 3,3-dimethyl-1-butanol	5.415	57	2383970	932.90	ug/L	#	86
75) 2-hexanone	5.431	43	1225288	86.32	ug/L		86
76) 1-Chlorohexane	5.650	91	159255m	22.78	ug/L		
77) Ethylbenzene	5.681	91	575170	24.15	ug/L		96
78) Chlorobenzene	5.655	112	314726	24.52	ug/L		92
79) 1,1,1,2-Tetrachloroethane	5.697	131	97248	25.50	ug/L		96
80) m,p-Xylene	5.786	91	914430	48.58	ug/L		98
81) o-Xylene	6.079	91	454953	24.60	ug/L		97
82) Styrene	6.110	104	352756	25.40	ug/L		94
83) Bromoform	6.115	173	49656	24.19	ug/L		96
84) Isopropylbenzene	6.309	105	521551	24.50	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.528	53	57642	20.01	ug/L	#	80
88) n-Propylbenzene	6.612	91	621145	26.18	ug/L		100
89) Bromobenzene	6.570	156	126861	25.91	ug/L		93
90) 1,1,2,2-Tetrachloroethane	6.628	83	175535	27.11	ug/L		95
91) 1,3,5-Trimethylbenzene	6.758	105	430610	26.01	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:41:33 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

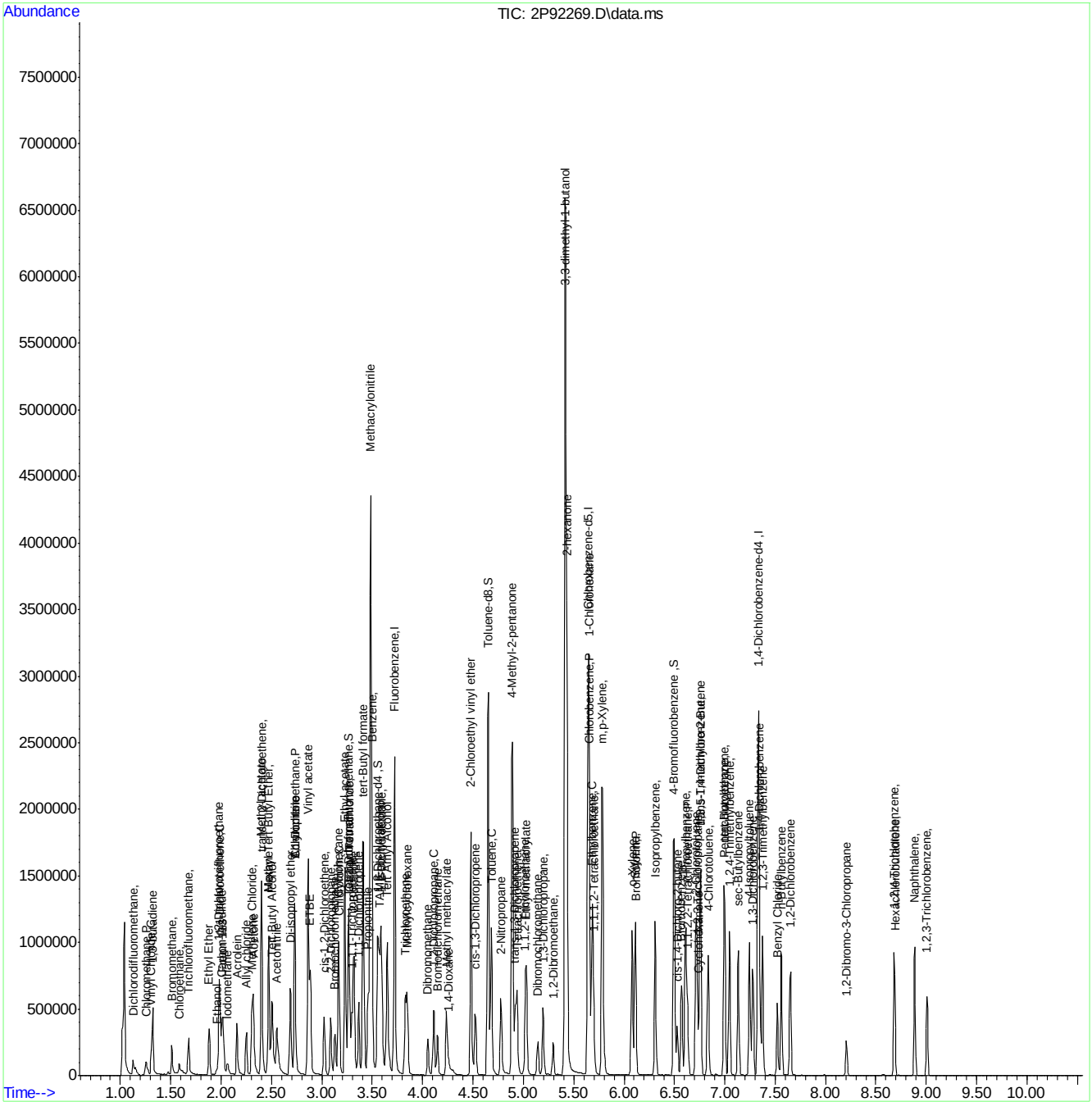
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	6.711	91	376298	26.13	ug/L		97
93) trans-1,4-Dichloro-2-B...	6.758	53	73989	20.12	ug/L	#	77
94) 1,2,3-Trichloropropane	6.727	110	64863	26.99	ug/L		81
95) Cyclohexanone	6.743	55	73475	118.56	ug/L		86
96) 4-Chlorotoluene	6.837	91	399875	26.55	ug/L		94
97) tert-Butylbenzene	6.994	91	239014	26.16	ug/L		93
99) 1,2,4-Trimethylbenzene	7.046	105	428428	26.62	ug/L		97
100) Pentachloroethane	6.999	167	54726	26.17	ug/L		94
101) sec-Butylbenzene	7.135	105	457520	25.91	ug/L		98
102) 4-Isopropyltoluene	7.245	119	407507	27.03	ug/L		97
103) 1,3-Dichlorobenzene	7.276	146	226641	25.54	ug/L		99
104) 1,2,3-Trimethylbenzene	7.375	105	424412	26.30	ug/L		96
105) 1,4-Dichlorobenzene	7.344	146	234307	24.72	ug/L		98
106) n-Butylbenzene	7.558	92	197921	25.99	ug/L		99
107) Benzyl Chloride	7.522	126	47558	27.49	ug/L		93
108) 1,2-Dichlorobenzene	7.652	146	215663	25.02	ug/L		97
109) 1,2-Dibromo-3-Chloropr...	8.207	75	39734	27.13	ug/L	#	77
110) Hexachlorobutadiene	8.688	225	36422	18.81	ug/L		85
111) 1,2,4-Trichlorobenzene	8.682	180	111484	23.35	ug/L		94
112) Naphthalene	8.886	128	473328	28.88	ug/L		99
113) 1,2,3-Trichlorobenzene	9.007	180	104125	23.10	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:41:33 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

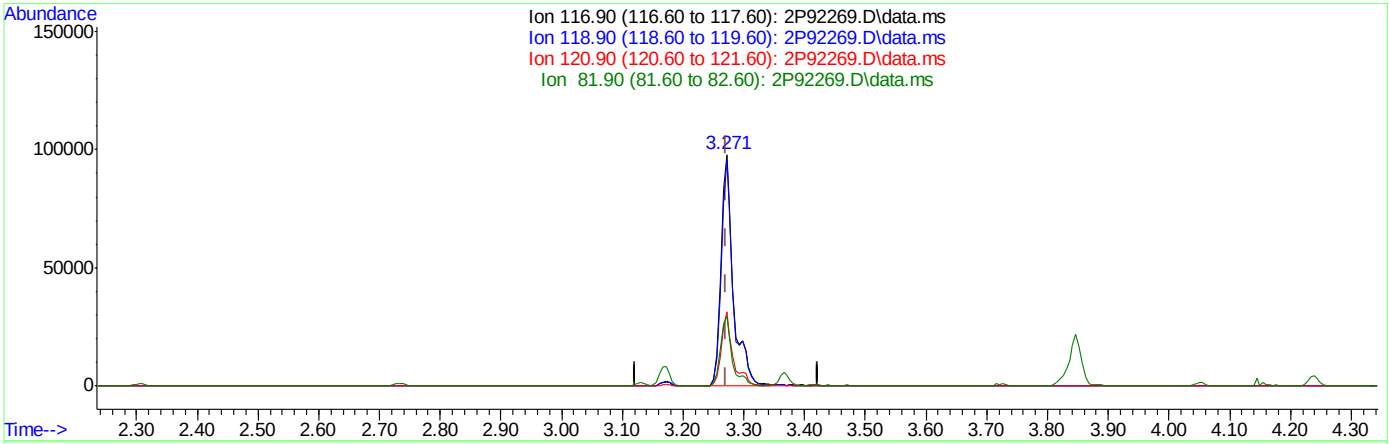
Sample Number: V2P3560-IC3560 **Method:** SW846 8260D
Lab FileID: 2P92269.D **Analyst approved:** 08/24/22 11:42 Courtney Failla
Injection Time: 08/24/22 11:26 **Supervisor approved:** 08/25/22 11:34 Karen Watson

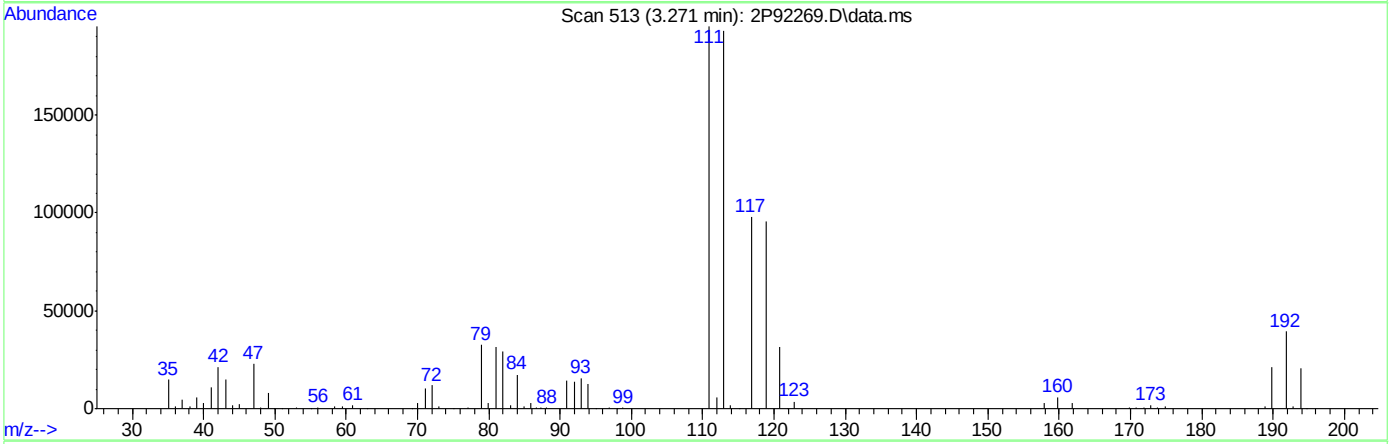
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:40:16 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92269.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (-0.000) 26.06ug/L

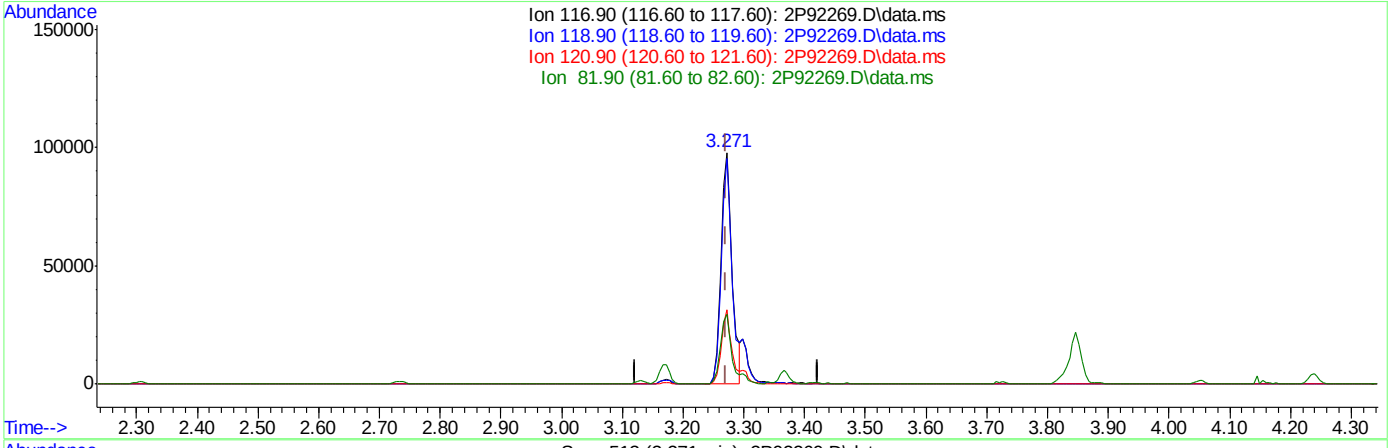
response 141131

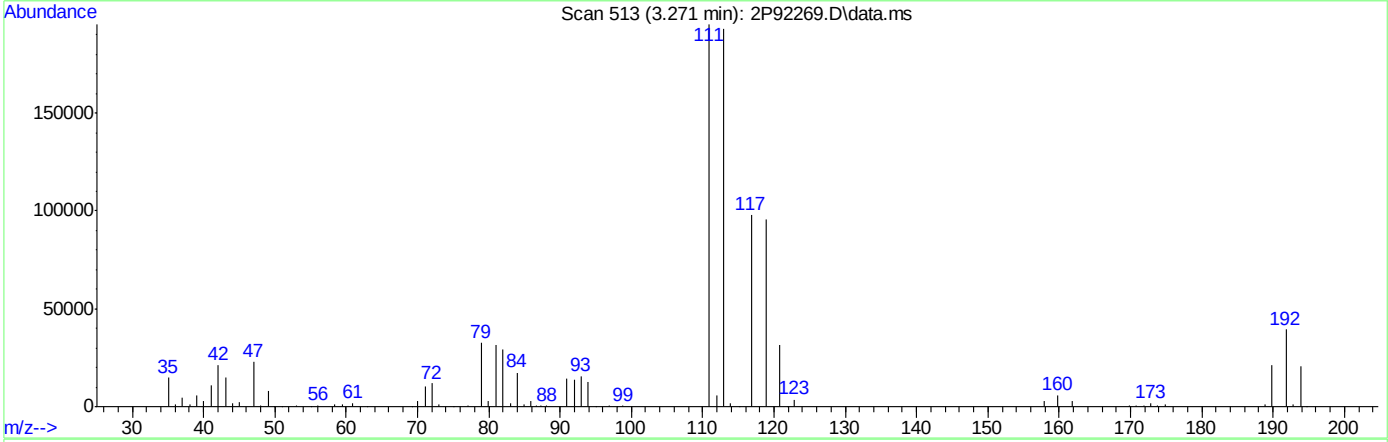
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	97.57
120.90	30.80	32.29
81.90	30.00	29.84

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:40:16 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92269.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (-0.000) 22.99ug/L m

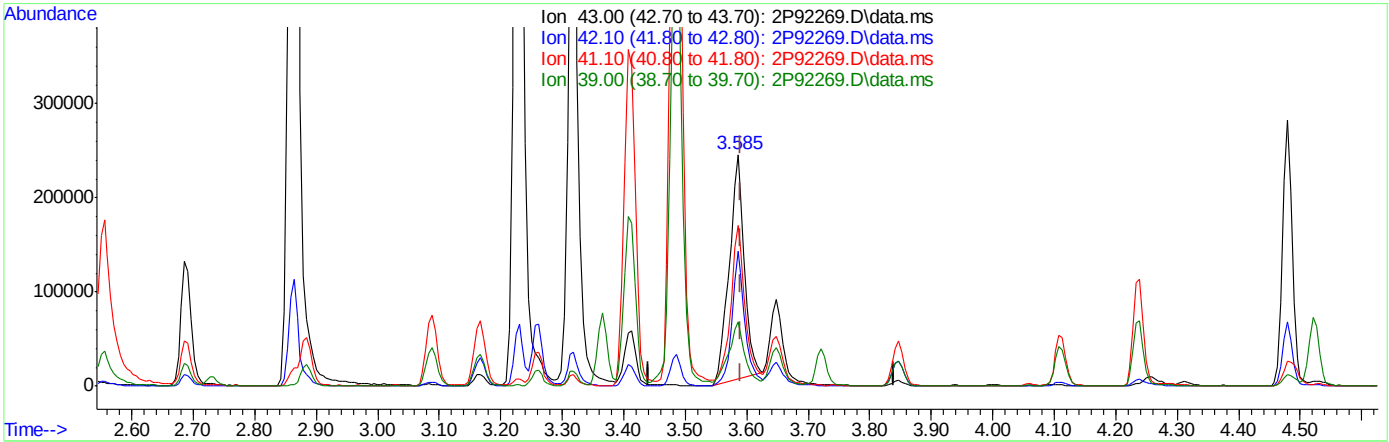
response 124530

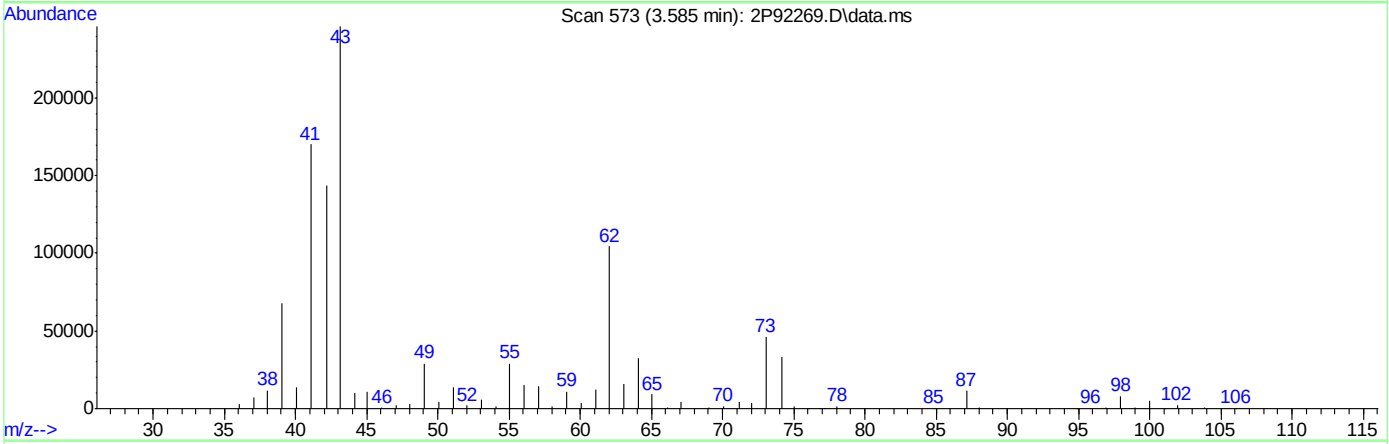
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	97.57
120.90	30.80	32.29
81.90	30.00	30.06

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:40:16 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92269.D\data.ms

(50) Isobutyl alcohol

3.585min (-0.006) 287.64ug/L

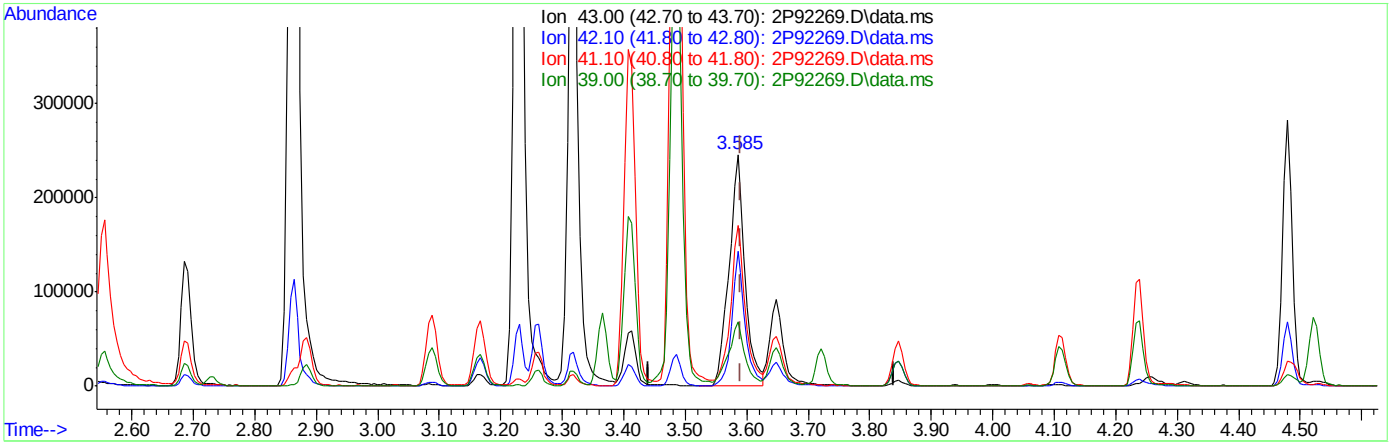
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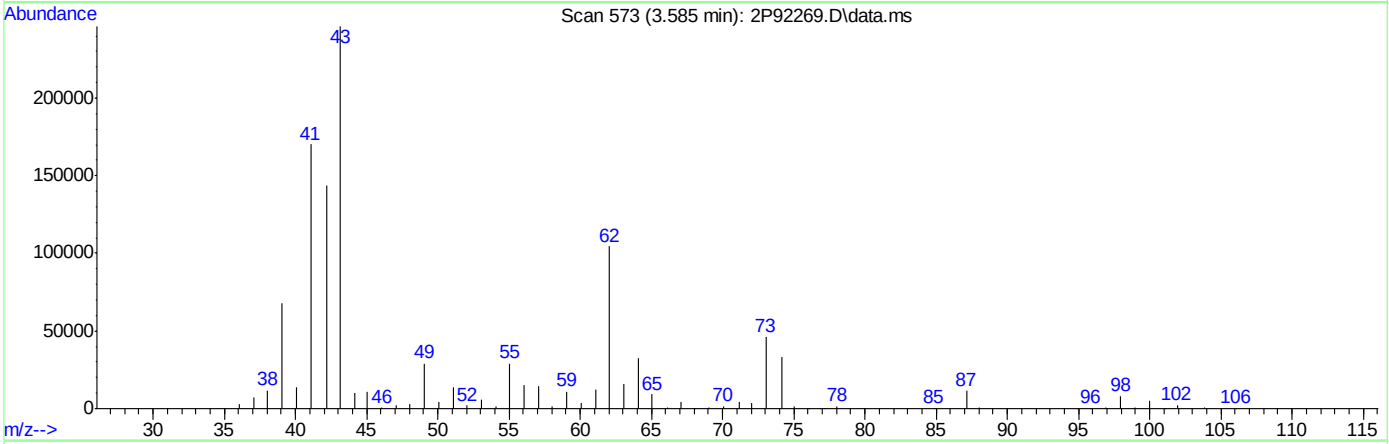
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	58.20
41.10	72.70	66.85
39.00	28.00	26.10

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:40:16 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92269.D\data.ms

(50) Isobutyl alcohol

3.585min (-0.006) 316.08ug/L m

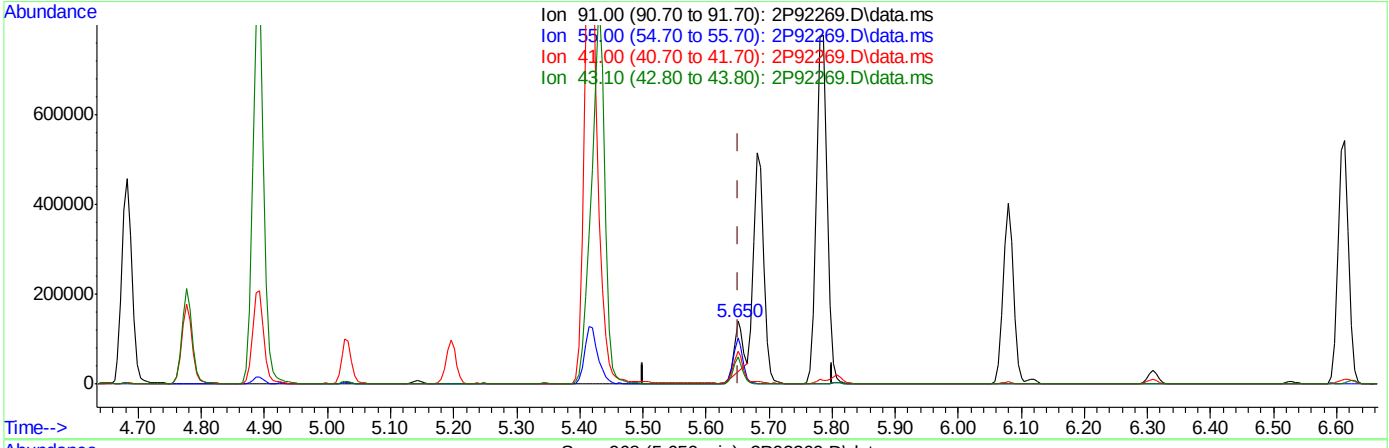
response 448045

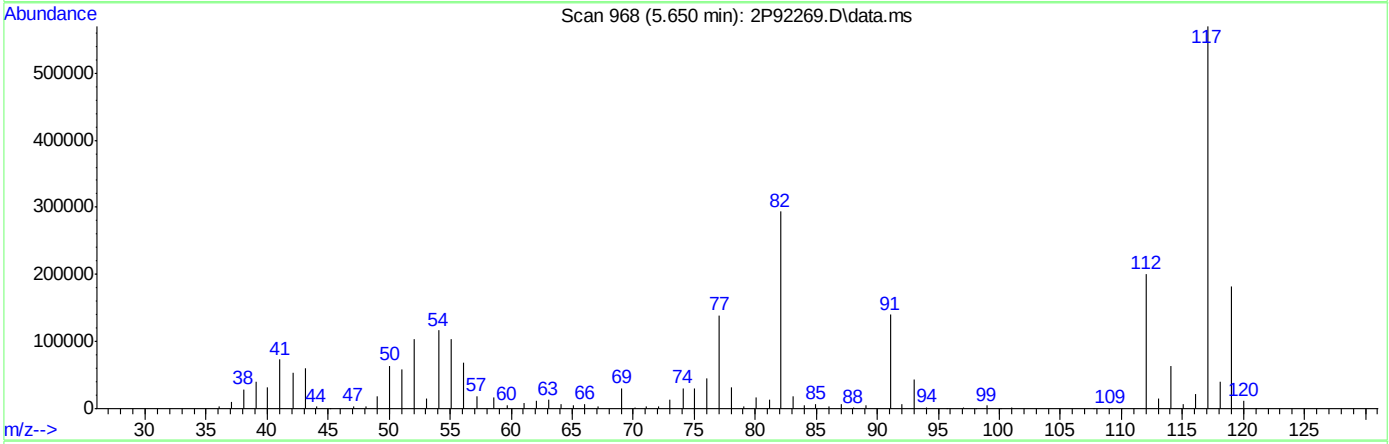
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	58.24
41.10	72.70	69.14
39.00	28.00	27.71

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:40:16 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92269.D\data.ms

(76) 1-Chlorohexane

5.650min (-0.001) 15.37ug/L

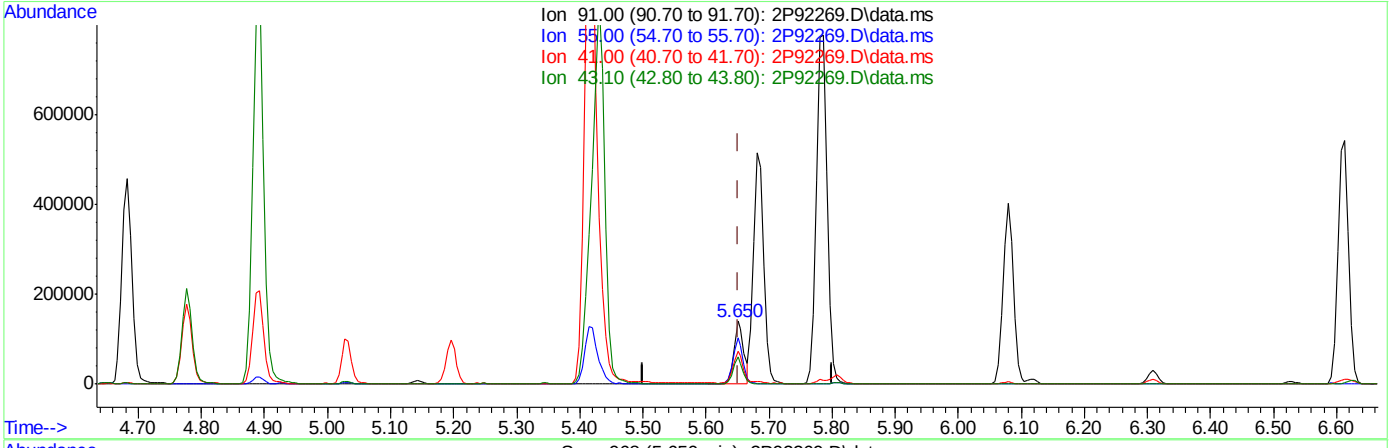
response 107400

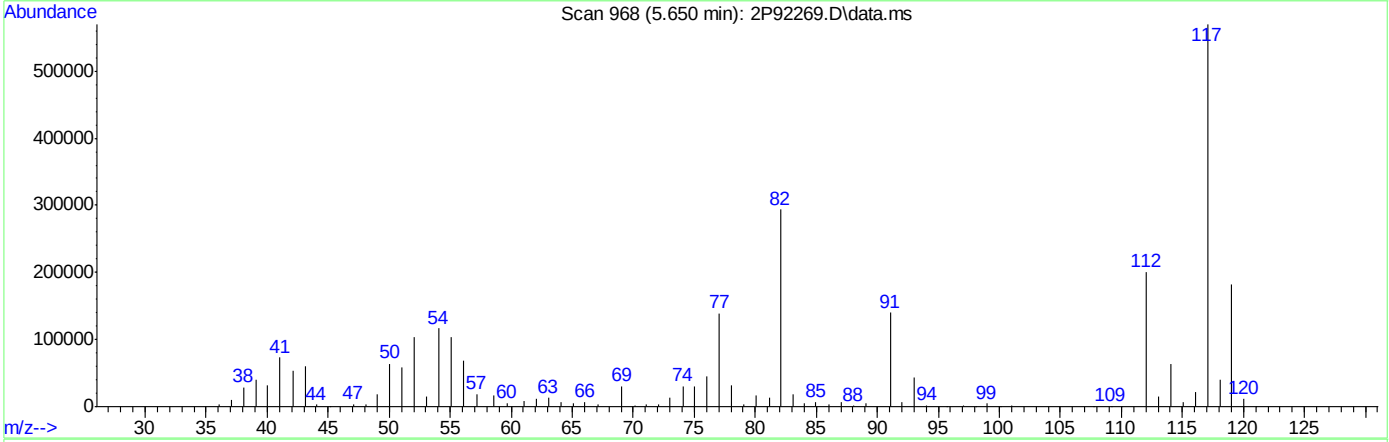
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	69.25#
41.00	83.00	49.14#
43.10	65.60	41.40#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:40:16 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92269.D\data.ms

(76) 1-Chlorohexane

5.650min (-0.001) 22.78ug/L m

response 159255

Ion	Exp%	Act%
91.00	100	100
55.00	103.70	73.94#
41.00	83.00	52.20#
43.10	65.60	43.01#

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:16:18 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1362226	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	951717	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	439370	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.265	113	292655	47.54	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.08%			
49) 1,2-Dichloroethane-d4	3.553	65	413626	43.11	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 86.22%			
63) Toluene-d8	4.651	98	1320237	52.04	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 104.08%			
86) 4-Bromofluorobenzene	6.496	174	339626	46.50	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	159680	31.25	ug/L	98
3) Chloromethane	1.252	50	165955	21.88	ug/L	92
4) 1,3-butadiene	1.320	39	158185	23.23	ug/L	86
5) Vinyl Chloride	1.305	62	211254	31.03	ug/L	100
6) Bromomethane	1.509	94	118429	44.42	ug/L	99
7) Chloroethane	1.582	64	60604	25.80	ug/L	97
8) Trichlorofluoromethane	1.676	101	230991	37.97	ug/L	97
9) Ethyl Ether	1.880	59	191869	30.22	ug/L	84
10) Ethanol	1.963	45	114850m	480.53	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.979	67	185736	33.54	ug/L	90
12) 1,1-Dichloroethene	1.984	61	270948	30.63	ug/L	87
13) Freon 113	2.016	101	177946	38.97	ug/L	96
14) Carbon Disulfide	2.005	76	462036	39.02	ug/L	86
15) Iodomethane	2.063	142	127120	20.28	ug/L	95
16) Acrolein	2.157	56	356140	158.99	ug/L	99
17) Allyl chloride	2.251	41	195990	24.48	ug/L	91
18) Methylene Chloride	2.303	49	249008	20.69	ug/L	76
19) Acetone	2.319	43	600710	126.80	ug/L	90
20) Methyl acetate	2.397	43	1297415	120.49	ug/L	89
21) trans-1,2-Dichloroethene	2.403	61	267114	29.60	ug/L	81
22) Hexane	2.470	56	141208	30.17	ug/L	91
23) Methyl Tert Butyl Ether	2.470	73	615215	36.81	ug/L	92
24) Tert Butyl Alcohol	2.507	59	767732	305.79	ug/L	89
25) Acetonitrile	2.554	41	380436	223.64	ug/L	96
26) Di-isopropyl ether	2.690	45	566157	25.42	ug/L	92
27) Chloroprene	2.732	53	778732	22.12	ug/L	91
28) 1,1-Dichloroethane	2.732	63	354298	31.59	ug/L	96
29) Acrylonitrile	2.732	52	608025	133.44	ug/L	81
30) ETBE	2.883	59	672969	31.31	ug/L	92
31) Vinyl acetate	2.863	43	2309020	142.96	ug/L	99
32) cis-1,2-Dichloroethene	3.025	96	208708	38.54	ug/L	85
33) 2,2-Dichloropropane	3.087	77	282200	36.69	ug/L	99
34) Bromochloromethane	3.129	128	92231	38.17	ug/L #	67
35) Cyclohexane	3.166	56	344840	29.93	ug/L #	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:16:18 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.171	83	359870	36.35	ug/L		92
37) Ethyl acetate	3.229	43	1688270	129.32	ug/L		94
38) Tetrahydrofuran	3.260	42	127818	23.37	ug/L		91
40) Carbon Tetrachloride	3.270	117	226621m	40.72	ug/L		
41) 1,1,1-Trichloroethane	3.297	97	311098	39.28	ug/L		93
42) 2-Butanone	3.317	43	1007592	126.31	ug/L		79
43) 1,1-Dichloropropene	3.364	75	271461	36.61	ug/L		84
44) tert-Butyl formate	3.412	59	790496	182.49	ug/L		93
45) Propionitrile	3.464	54	661145	271.68	ug/L		98
46) Methacrylonitrile	3.485	41	1834343	240.18	ug/L		98
47) Benzene	3.495	78	838308	36.58	ug/L		76
48) TAME	3.568	73	616154	38.11	ug/L		81
50) Isobutyl alcohol	3.584	43	731054m	501.90	ug/L		
51) 1,2-Dichloroethane	3.589	62	302289	31.01	ug/L		94
52) Tert Amyl Alcohol	3.652	59	634596	335.44	ug/L		89
53) Trichloroethene	3.830	95	211819	37.77	ug/L		93
54) Methylcyclohexane	3.845	83	308352	39.24	ug/L	#	82
55) Dibromomethane	4.049	93	120616	38.26	ug/L		93
56) 1,2-Dichloropropane	4.112	63	206603	32.69	ug/L		89
57) Bromodichloromethane	4.149	83	231330	39.22	ug/L		96
58) Methyl methacrylate	4.238	41	235387	25.91	ug/L	#	78
59) 1,4-Dioxane	4.258	88	127377	733.78	ug/L		81
60) 2-Chloroethyl vinyl ether	4.478	63	885147	168.96	ug/L		81
61) cis-1,3-Dichloropropene	4.525	75	298711	37.50	ug/L		76
64) Toluene	4.682	91	900051	40.44	ug/L		99
65) 2-Nitropropane	4.776	41	391161	139.11	ug/L		96
66) 4-Methyl-2-pentanone	4.891	43	1722379	143.84	ug/L		92
67) trans-1,3-Dichloropropene	4.922	75	275482	40.33	ug/L	#	65
68) Tetrachloroethene	4.938	166	194956	36.11	ug/L		90
69) Ethyl methacrylate	5.032	69	334716	42.26	ug/L	#	73
70) 1,1,2-Trichloroethane	5.022	83	157963	40.23	ug/L		85
71) Dibromochloromethane	5.142	129	170758	44.29	ug/L		95
72) 1,3-Dichloropropane	5.194	76	345339	38.90	ug/L		81
73) 1,2-Dibromoethane	5.294	107	194280	41.47	ug/L		92
74) 3,3-dimethyl-1-butanol	5.419	57	3980563	1523.55	ug/L	#	86
75) 2-hexanone	5.430	43	1985347	136.80	ug/L		76
76) 1-Chlorohexane	5.649	91	288409m	40.36	ug/L		
77) Ethylbenzene	5.686	91	1006237	41.32	ug/L		96
78) Chlorobenzene	5.654	112	539871	41.13	ug/L		94
79) 1,1,1,2-Tetrachloroethane	5.696	131	176443	44.04	ug/L		95
80) m,p-Xylene	5.785	91	1605683	83.44	ug/L		99
81) o-Xylene	6.078	91	790889	41.83	ug/L		99
82) Styrene	6.109	104	626072	44.09	ug/L		95
83) Bromoform	6.120	173	92559	40.56	ug/L		95
84) Isopropylbenzene	6.308	105	929375	42.70	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.527	53	104216	33.29	ug/L	#	76
88) n-Propylbenzene	6.611	91	1104132	44.76	ug/L		98
89) Bromobenzene	6.569	156	220000	43.23	ug/L		92
90) 1,1,2,2-Tetrachloroethane	6.632	83	298296	44.31	ug/L		95
91) 1,3,5-Trimethylbenzene	6.757	105	771308	44.81	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:16:18 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

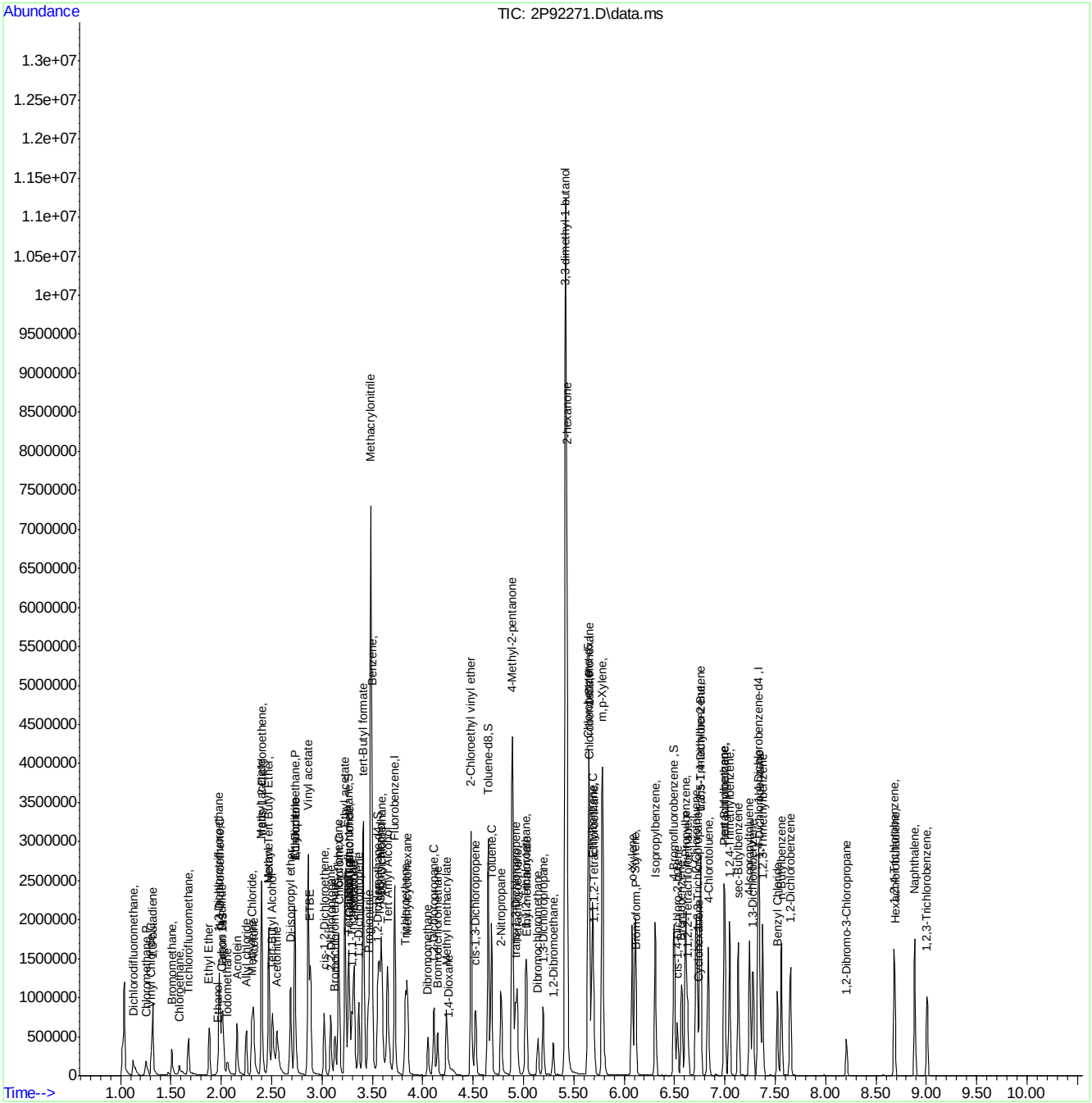
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.716	91	660067	44.09	ug/L		97
93)	trans-1,4-Dichloro-2-B...	6.757	53	130821	33.18	ug/L	#	73
94)	1,2,3-Trichloropropane	6.726	110	109718	43.92	ug/L		80
95)	Cyclohexanone	6.742	55	115127	178.71	ug/L		89
96)	4-Chlorotoluene	6.836	91	684076	43.68	ug/L		93
97)	tert-Butylbenzene	6.993	91	422484	44.48	ug/L		93
99)	1,2,4-Trimethylbenzene	7.045	105	748777	44.76	ug/L		98
100)	Pentachloroethane	6.998	167	97587	42.03	ug/L	#	89
101)	sec-Butylbenzene	7.134	105	829266	45.17	ug/L		98
102)	4-Isopropyltoluene	7.244	119	732772	46.76	ug/L		97
103)	1,3-Dichlorobenzene	7.280	146	390179	42.30	ug/L		96
104)	1,2,3-Trimethylbenzene	7.374	105	747003	44.53	ug/L		97
105)	1,4-Dichlorobenzene	7.343	146	411435	41.76	ug/L		98
106)	n-Butylbenzene	7.563	92	360016	45.48	ug/L		98
107)	Benzyl Chloride	7.521	126	99212	48.53	ug/L	#	91
108)	1,2-Dichlorobenzene	7.651	146	370843	41.39	ug/L		98
109)	1,2-Dibromo-3-Chloropr...	8.206	75	70256	43.50	ug/L	#	77
110)	Hexachlorobutadiene	8.687	225	70656	35.09	ug/L		93
111)	1,2,4-Trichlorobenzene	8.681	180	201331	40.56	ug/L		93
112)	Naphthalene	8.885	128	836609	49.10	ug/L		99
113)	1,2,3-Trichlorobenzene	9.005	180	185569	39.60	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:16:18 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

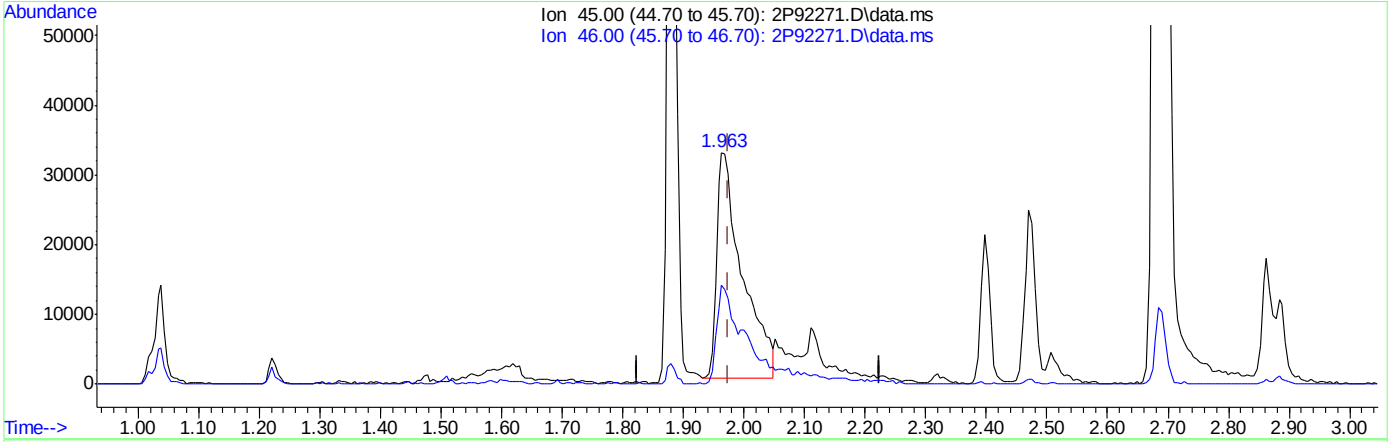
Sample Number: V2P3560-ICC3560 **Method:** SW846 8260D
Lab FileID: 2P92271.D **Analyst approved:** 08/24/22 12:17 Courtney Failla
Injection Time: 08/24/22 11:59 **Supervisor approved:** 08/25/22 11:34 Karen Watson

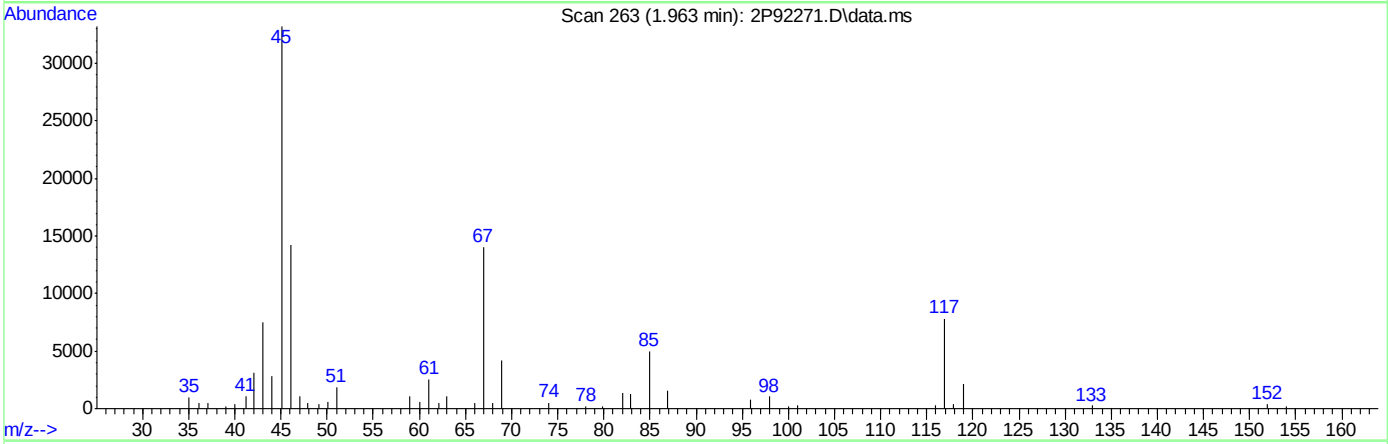
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.96	Poor instrument integration
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:12:57 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92271.D\data.ms

(10) Ethanol

1.963min (-0.011) 391.35ug/L

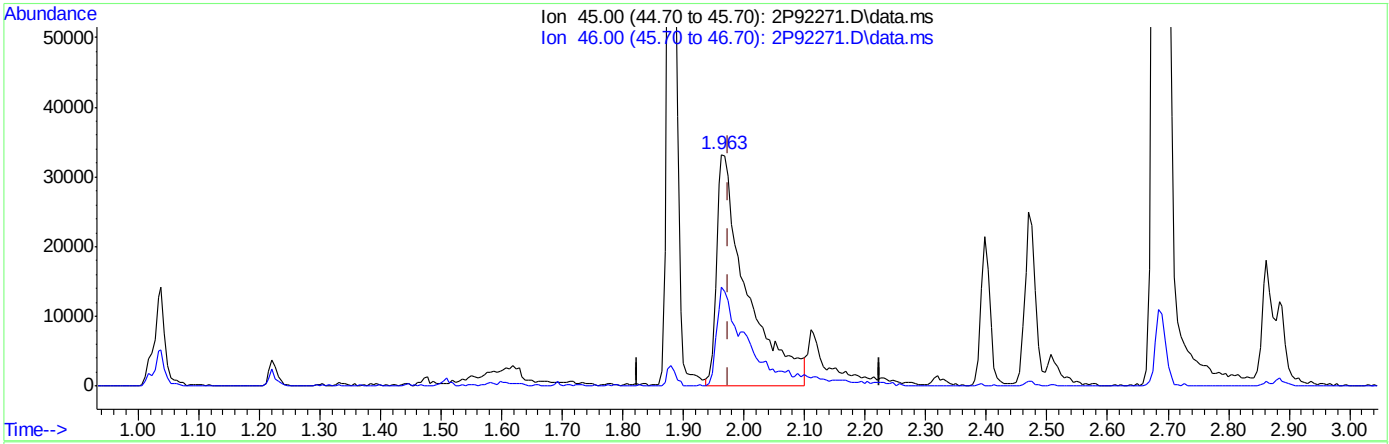
response 94418

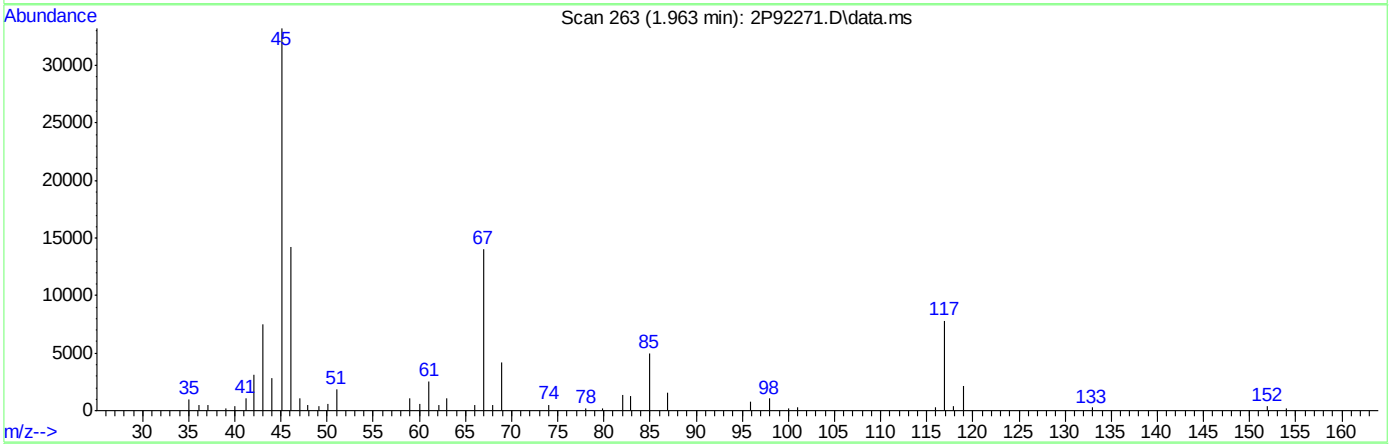
Ion	Exp%	Act%
45.00	100	100
46.00	41.80	43.92
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:12:57 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92271.D\data.ms

(10) Ethanol

1.963min (-0.011) 480.53ug/L m

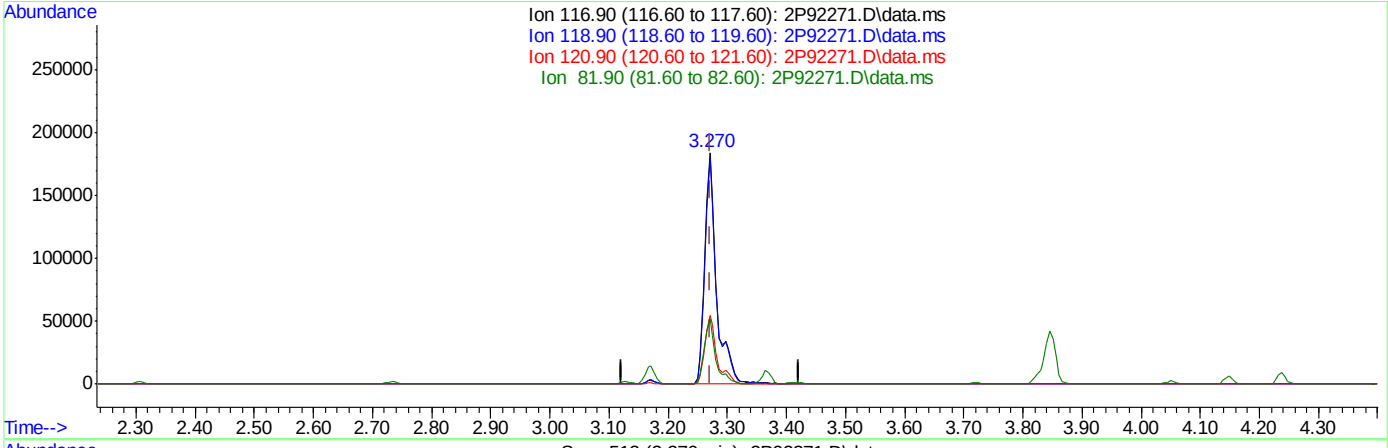
response 114850

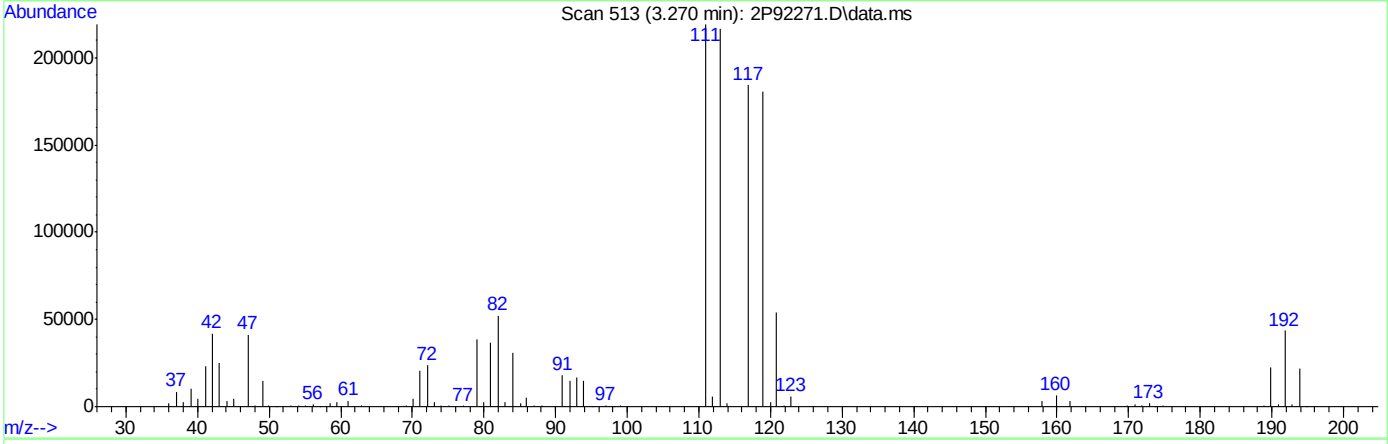
Ion	Exp%	Act%
45.00	100	100
46.00	41.80	42.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:12:57 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92271.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (-0.001) 46.91ug/L

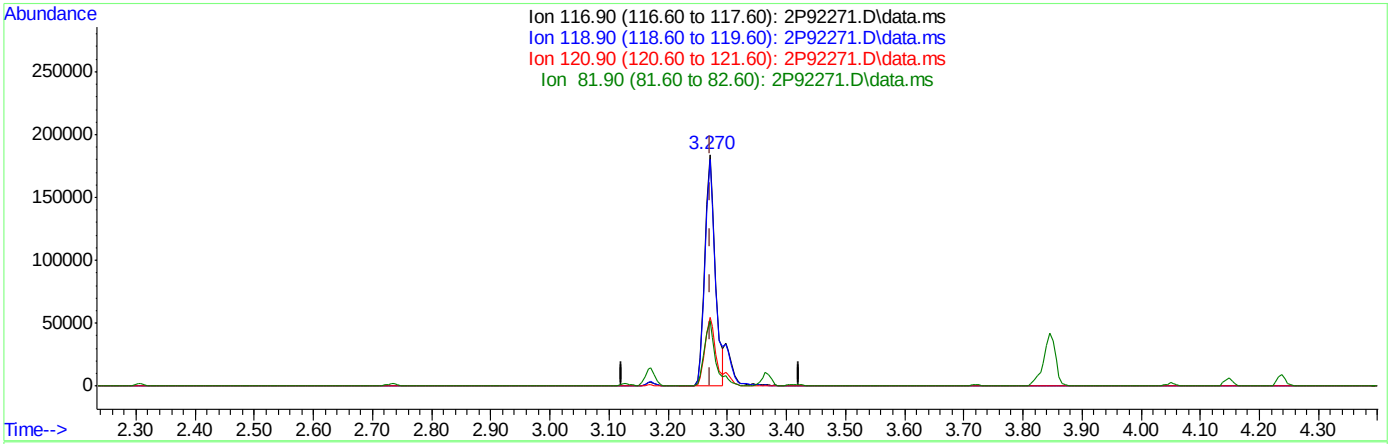
response 261066

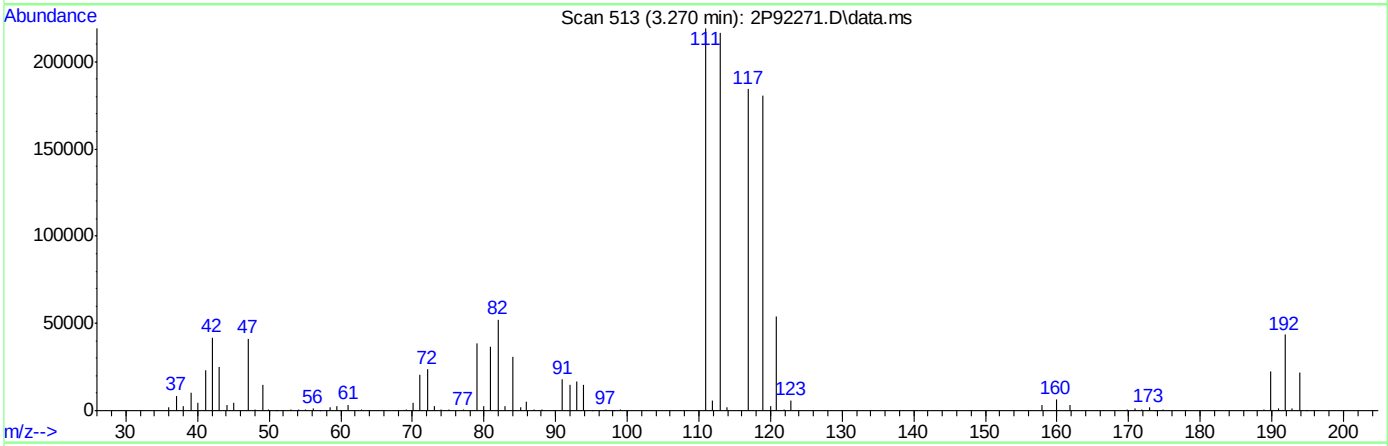
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	98.02
120.90	30.80	29.46
81.90	30.00	28.10

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:12:57 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92271.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (-0.001) 40.72ug/L m

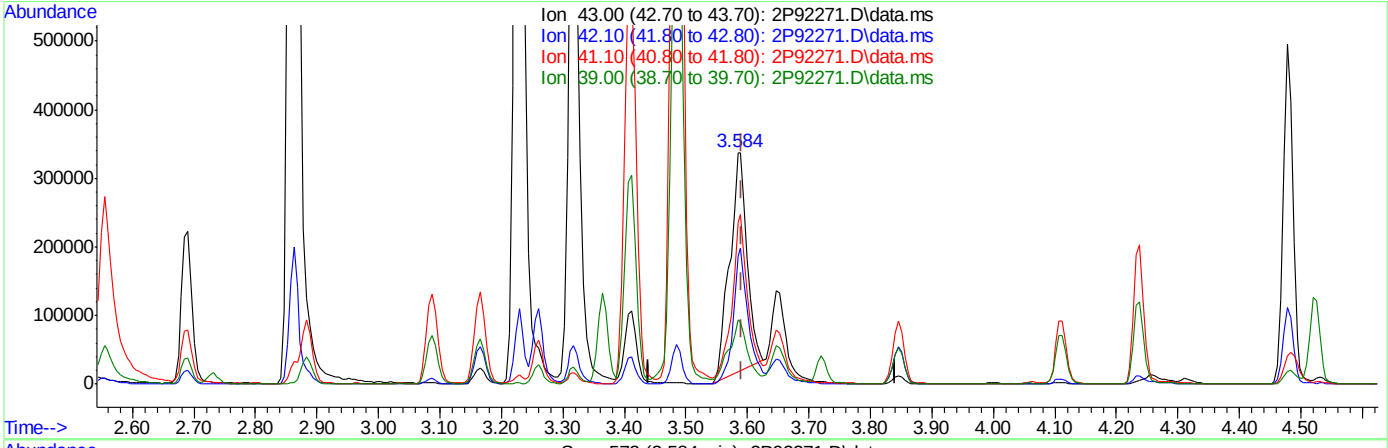
response 226621

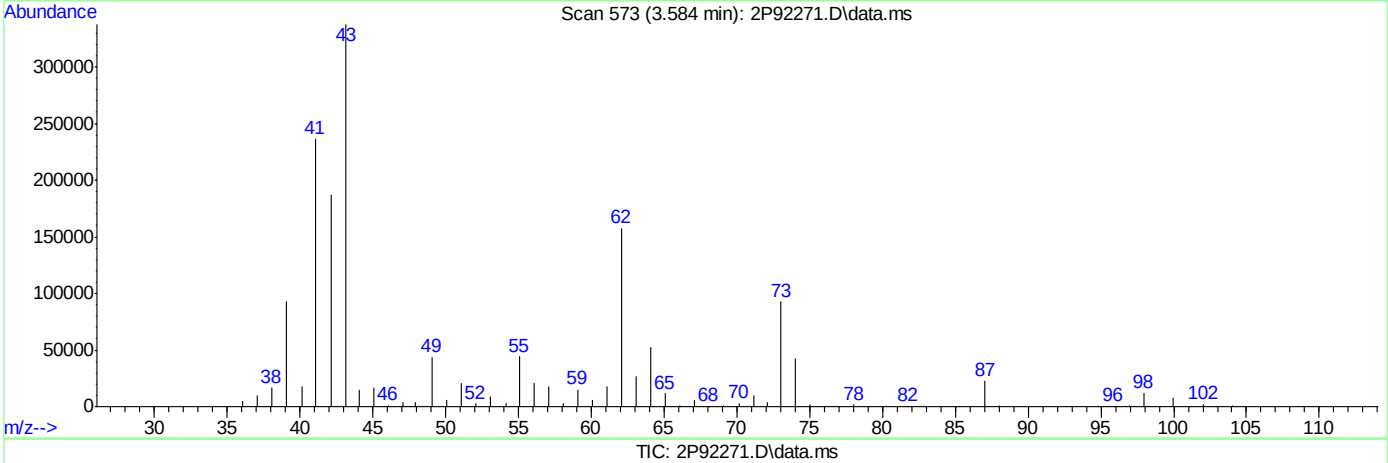
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	98.02
120.90	30.80	29.46
81.90	30.00	28.29

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:12:57 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92271.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.007) 433.71ug/L

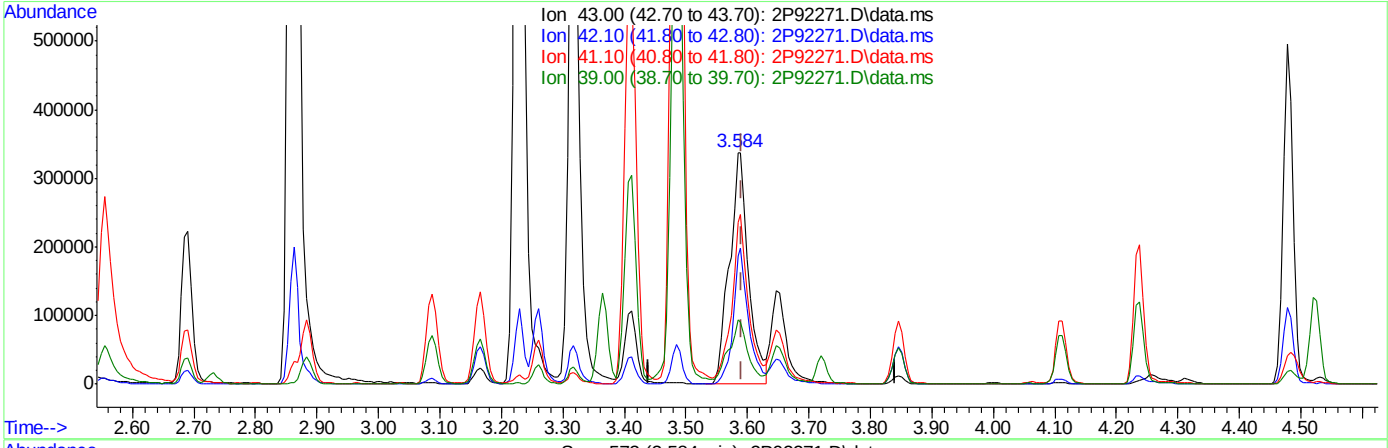
response 631729

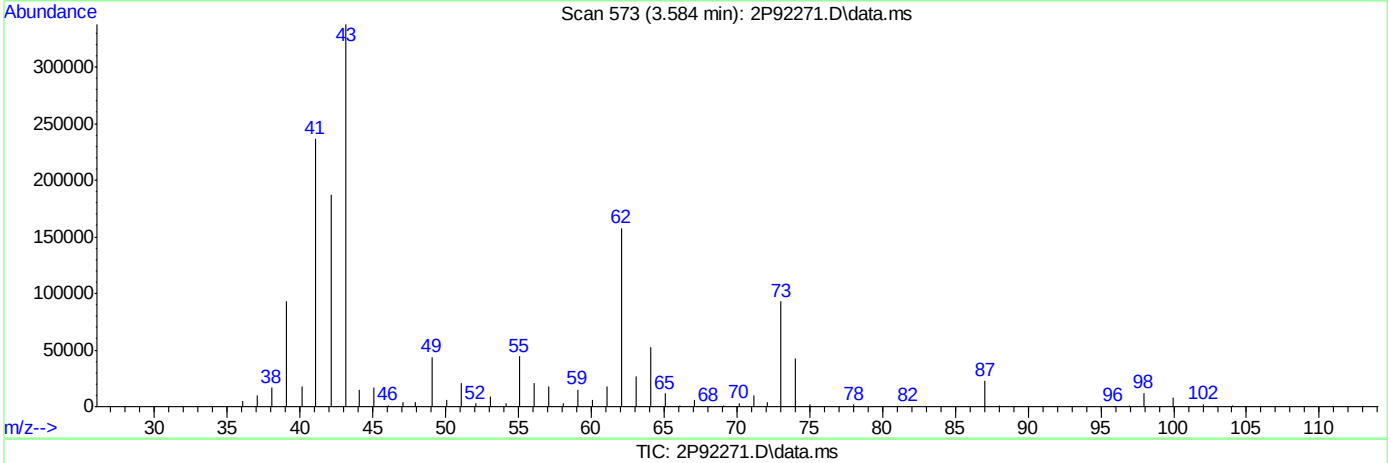
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	55.31
41.10	72.70	67.60
39.00	28.00	25.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:12:57 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92271.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.007) 501.90ug/L m

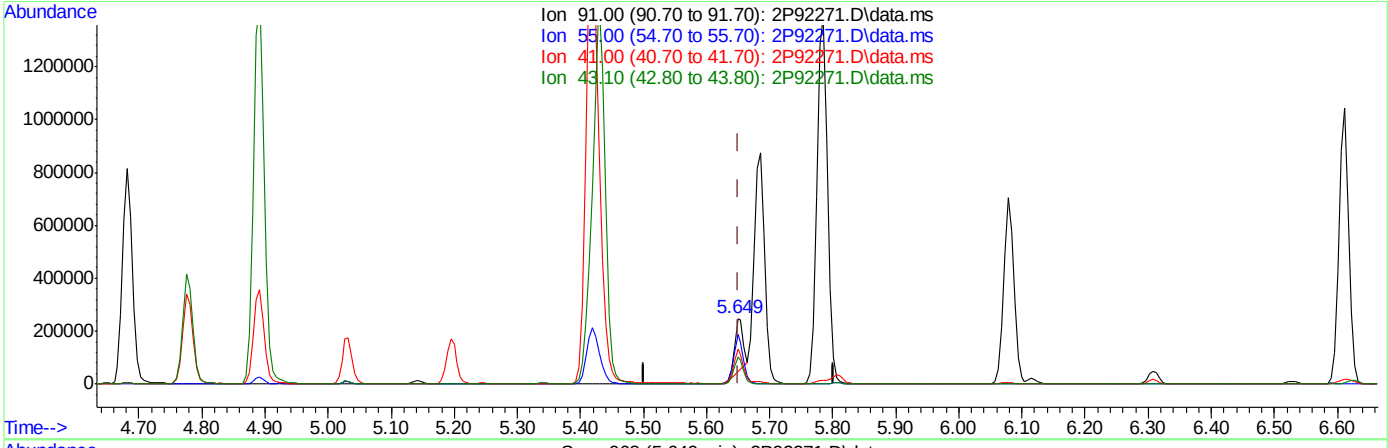
response 731054

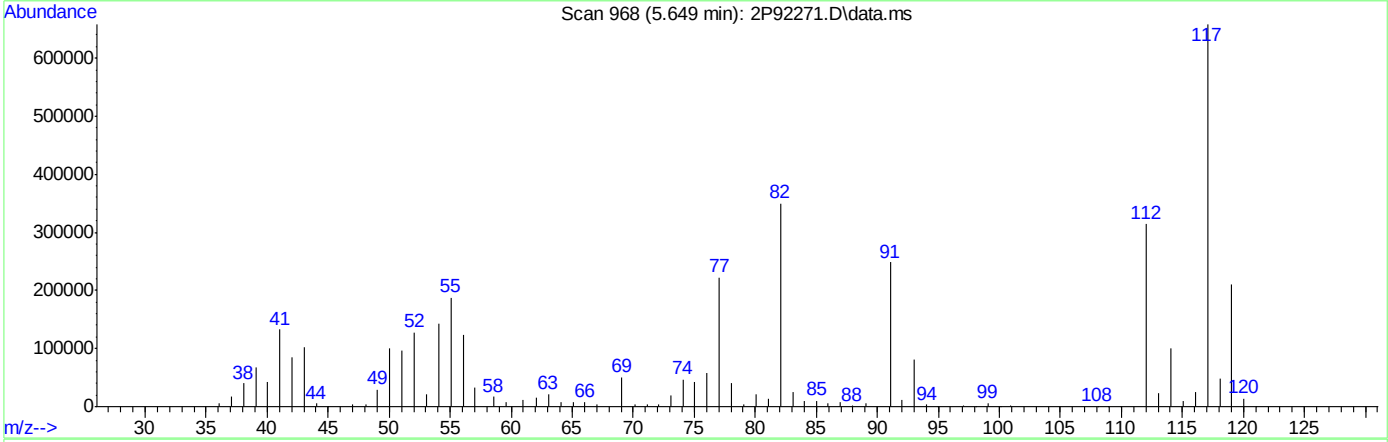
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	55.40
41.10	72.70	69.96
39.00	28.00	27.52

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:12:57 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92271.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 28.43ug/L

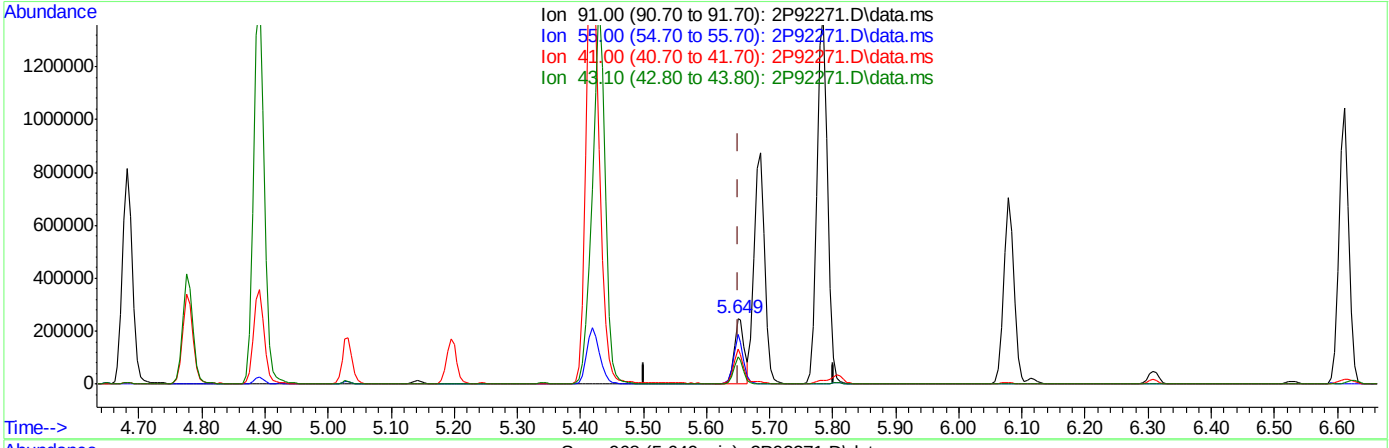
response 203197

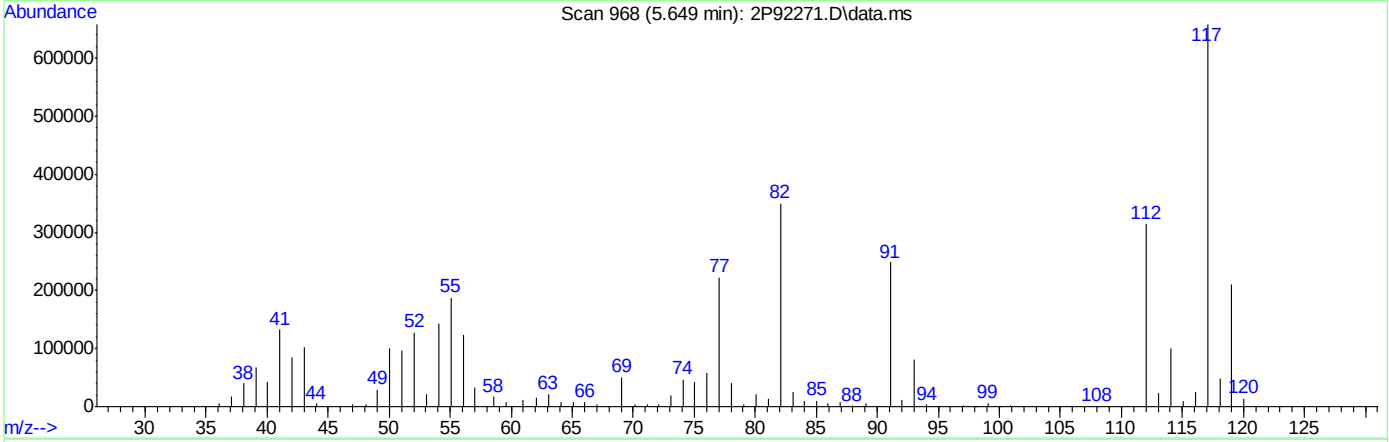
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	73.27#
41.00	83.00	51.28#
43.10	65.60	40.11#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:12:57 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92271.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 40.36ug/L m

response 288409

Ion	Exp%	Act%
91.00	100	100
55.00	103.70	75.64#
41.00	83.00	53.42#
43.10	65.60	41.26#

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:43:25 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.722	96	1407409	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.645	117	1001645	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.334	152	454388	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.267	113	304281	47.84	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.68%				
49) 1,2-Dichloroethane-d4	3.554	65	407999	41.16	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 82.32%				
63) Toluene-d8	4.652	98	1355682	50.77	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.54%				
86) 4-Bromofluorobenzene	6.498	174	355278	47.03	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.06%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.123	85	278687	52.79	ug/L		94
3) Chloromethane	1.254	50	322422	41.14	ug/L		96
4) 1,3-butadiene	1.322	39	304455	43.11	ug/L		84
5) Vinyl Chloride	1.306	62	395255	56.19	ug/L		99
6) Bromomethane	1.510	94	208960	75.86	ug/L		98
7) Chloroethane	1.583	64	112565	46.38	ug/L		96
8) Trichlorofluoromethane	1.672	101	286225	45.54	ug/L		97
9) Ethyl Ether	1.881	59	383465	58.47	ug/L		82
10) Ethanol	1.981	45	179945	750.13	ug/L		99
11) 1,2-Dichlorotrifluoroe...	1.975	67	353484	61.79	ug/L		93
12) 1,1-Dichloroethene	1.981	61	525897	57.54	ug/L		89
13) Freon 113	2.012	101	326364	69.18	ug/L		95
14) Carbon Disulfide	1.996	76	929994	69.82	ug/L		91
15) Iodomethane	2.059	142	254172	38.88	ug/L		94
16) Acrolein	2.158	56	686082	291.20	ug/L		99
17) Allyl chloride	2.247	41	382785	46.28	ug/L		93
18) Methylene Chloride	2.305	49	467880	40.01	ug/L		73
19) Acetone	2.320	43	1136836	235.13	ug/L		91
20) Methyl acetate	2.399	43	2487846	223.62	ug/L		88
21) trans-1,2-Dichloroethene	2.404	61	527592	56.58	ug/L		78
22) Hexane	2.467	56	276353	57.15	ug/L	#	87
23) Methyl Tert Butyl Ether	2.472	73	1214409	70.33	ug/L		82
24) Tert Butyl Alcohol	2.519	59	1439064	554.79	ug/L		85
25) Acetonitrile	2.556	41	649984	387.71	ug/L		97
26) Di-isopropyl ether	2.692	45	1119409	48.65	ug/L		92
27) Chloroprene	2.733	53	1486197	40.86	ug/L		92
28) 1,1-Dichloroethane	2.728	63	688488	59.42	ug/L		96
29) Acrylonitrile	2.733	52	1157234	245.82	ug/L		81
30) ETBE	2.885	59	1323562	59.59	ug/L		91
31) Vinyl acetate	2.864	43	4429124	265.41	ug/L		99
32) cis-1,2-Dichloroethene	3.021	96	402612	71.96	ug/L		88
33) 2,2-Dichloropropane	3.089	77	568040	67.12	ug/L		98
34) Bromochloromethane	3.131	128	177311	71.02	ug/L	#	64
35) Cyclohexane	3.162	56	653455	54.89	ug/L	#	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:43:25 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.167	83	699841	68.42	ug/L		93
37) Ethyl acetate	3.230	43	3259262	241.63	ug/L		94
38) Tetrahydrofuran	3.261	42	245157	43.38	ug/L		89
40) Carbon Tetrachloride	3.272	117	440807m	76.66	ug/L		
41) 1,1,1-Trichloroethane	3.298	97	602475	73.63	ug/L		92
42) 2-Butanone	3.319	43	1940078	234.09	ug/L		79
43) 1,1-Dichloropropene	3.366	75	518814	67.72	ug/L	#	79
44) tert-Butyl formate	3.413	59	1640040	327.56	ug/L		91
45) Propionitrile	3.465	54	1256296	491.90	ug/L		99
46) Methacrylonitrile	3.486	41	3515554	439.61	ug/L		96
47) Benzene	3.497	78	1644409	69.45	ug/L		78
48) TAME	3.570	73	1227634	73.49	ug/L		78
50) Isobutyl alcohol	3.596	43	1301441m	864.82	ug/L		
51) 1,2-Dichloroethane	3.591	62	580216	57.60	ug/L		93
52) Tert Amyl Alcohol	3.654	59	1226464	627.48	ug/L		86
53) Trichloroethene	3.826	95	413948	71.44	ug/L		95
54) Methylcyclohexane	3.847	83	589336	72.59	ug/L	#	80
55) Dibromomethane	4.051	93	236702	72.67	ug/L		94
56) 1,2-Dichloropropane	4.108	63	405831	62.15	ug/L		89
57) Bromodichloromethane	4.145	83	474801	71.10	ug/L		97
58) Methyl methacrylate	4.239	41	465072	47.71	ug/L	#	77
59) 1,4-Dioxane	4.265	88	229020	1276.96	ug/L		79
60) 2-Chloroethyl vinyl ether	4.480	63	1726933	309.73	ug/L		80
61) cis-1,3-Dichloropropene	4.521	75	615066	69.59	ug/L		78
64) Toluene	4.683	91	1767972	75.48	ug/L		100
65) 2-Nitropropane	4.778	41	858325	257.87	ug/L		97
66) 4-Methyl-2-pentanone	4.893	43	3330202	264.25	ug/L		91
67) trans-1,3-Dichloropropene	4.919	75	556698	72.51	ug/L		78
68) Tetrachloroethene	4.940	166	377812	66.50	ug/L		92
69) Ethyl methacrylate	5.034	69	661650	79.37	ug/L	#	72
70) 1,1,2-Trichloroethane	5.023	83	309443	74.88	ug/L		83
71) Dibromochloromethane	5.144	129	356313	79.81	ug/L		95
72) 1,3-Dichloropropane	5.196	76	678805	72.66	ug/L		80
73) 1,2-Dibromoethane	5.295	107	390890	79.28	ug/L		100
74) 3,3-dimethyl-1-butanol	5.426	57	7575345	2754.92	ug/L	#	86
75) 2-hexanone	5.431	43	3689641	241.56	ug/L	#	39
76) 1-Chlorohexane	5.651	91	574578m	76.40	ug/L		
77) Ethylbenzene	5.687	91	1966345	76.72	ug/L		96
78) Chlorobenzene	5.656	112	1070579	77.50	ug/L		92
79) 1,1,1,2-Tetrachloroethane	5.698	131	360610	81.15	ug/L		96
80) m,p-Xylene	5.781	91	3165996	156.32	ug/L		98
81) o-Xylene	6.079	91	1567775	78.78	ug/L		99
82) Styrene	6.111	104	1264188	84.59	ug/L		95
83) Bromoform	6.121	173	205699	73.70	ug/L		97
84) Isopropylbenzene	6.309	105	1828395	79.82	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.529	53	217724	61.57	ug/L	#	66
88) n-Propylbenzene	6.613	91	2184607	85.64	ug/L		99
89) Bromobenzene	6.571	156	433440	82.36	ug/L		88
90) 1,1,2,2-Tetrachloroethane	6.628	83	579536	83.25	ug/L		96
91) 1,3,5-Trimethylbenzene	6.759	105	1524602	85.64	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:43:25 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

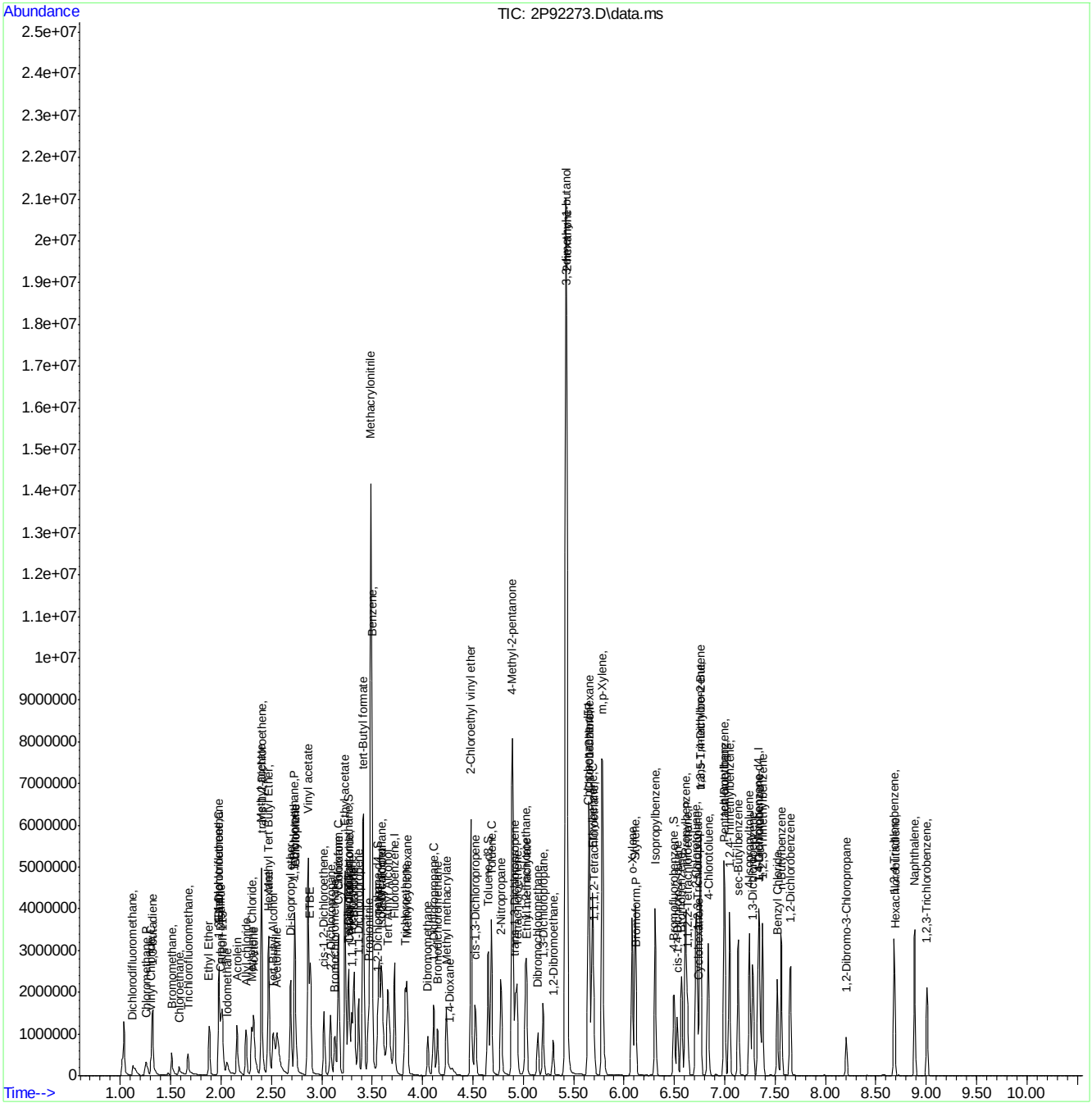
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	6.712	91	1301038	84.03	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.759	53	263986	60.86	ug/L	#	61
94) 1,2,3-Trichloropropane	6.728	110	213857	82.77	ug/L	#	78
95) Cyclohexanone	6.743	55	213329	320.20	ug/L		88
96) 4-Chlorotoluene	6.837	91	1366925	84.41	ug/L		94
97) tert-Butylbenzene	6.994	91	846098	86.13	ug/L		93
99) 1,2,4-Trimethylbenzene	7.047	105	1490286	86.13	ug/L		97
100) Pentachloroethane	6.999	167	201602	74.35	ug/L		96
101) sec-Butylbenzene	7.135	105	1629742	85.84	ug/L		98
102) 4-Isopropyltoluene	7.245	119	1449961	89.46	ug/L		96
103) 1,3-Dichlorobenzene	7.277	146	777359	81.49	ug/L		98
104) 1,2,3-Trimethylbenzene	7.376	105	1476951	85.13	ug/L		97
105) 1,4-Dichlorobenzene	7.345	146	793210	77.85	ug/L		98
106) n-Butylbenzene	7.559	92	709933	86.72	ug/L		98
107) Benzyl Chloride	7.522	126	220570	85.96	ug/L	#	86
108) 1,2-Dichlorobenzene	7.653	146	728220	78.58	ug/L		98
109) 1,2-Dibromo-3-Chloropr...	8.207	75	149907	79.68	ug/L	#	70
110) Hexachlorobutadiene	8.688	225	136790	65.70	ug/L		94
111) 1,2,4-Trichlorobenzene	8.683	180	396197	77.18	ug/L		94
112) Naphthalene	8.887	128	1702790	96.64	ug/L		99
113) 1,2,3-Trichlorobenzene	9.007	180	368584	76.06	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:43:25 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

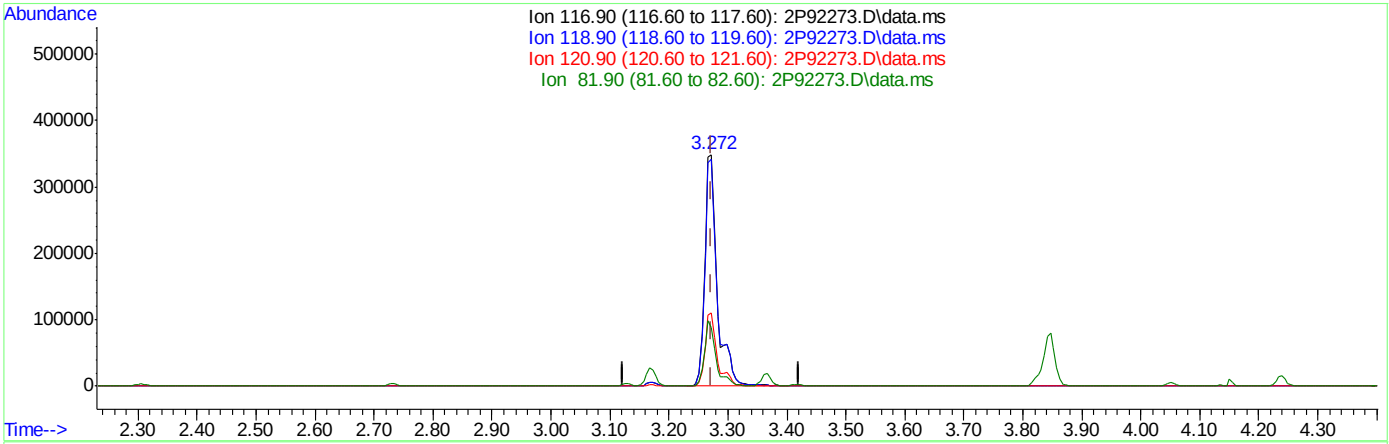
Sample Number: V2P3560-IC3560 **Method:** SW846 8260D
Lab FileID: 2P92273.D **Analyst approved:** 08/24/22 12:44 Courtney Failla
Injection Time: 08/24/22 12:31 **Supervisor approved:** 08/25/22 11:34 Karen Watson

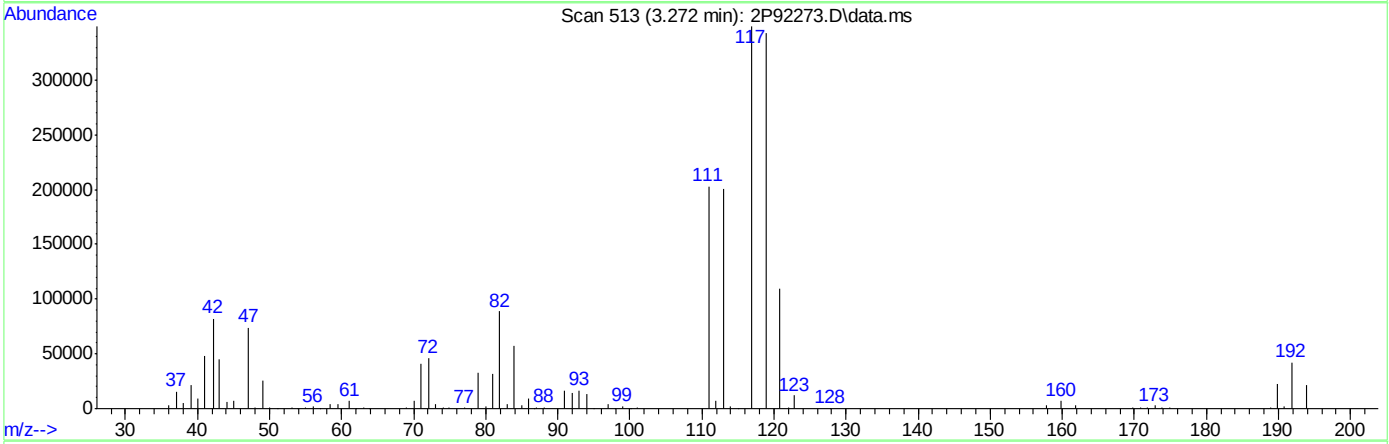
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.60	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:42:19 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92273.D\data.ms

(40) Carbon Tetrachloride ( )

3.272min (+0.000) 89.96ug/L

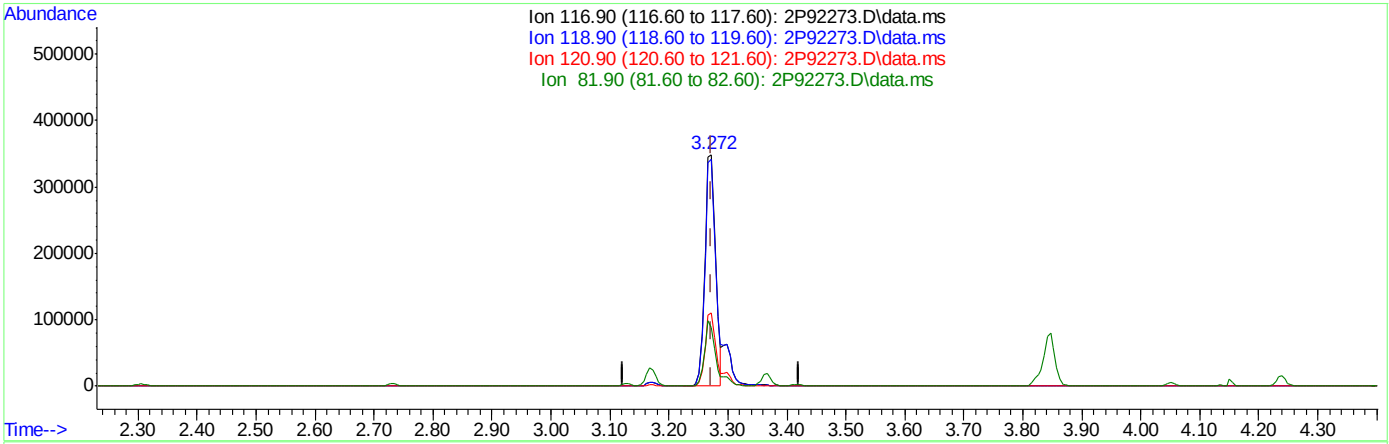
response 517268

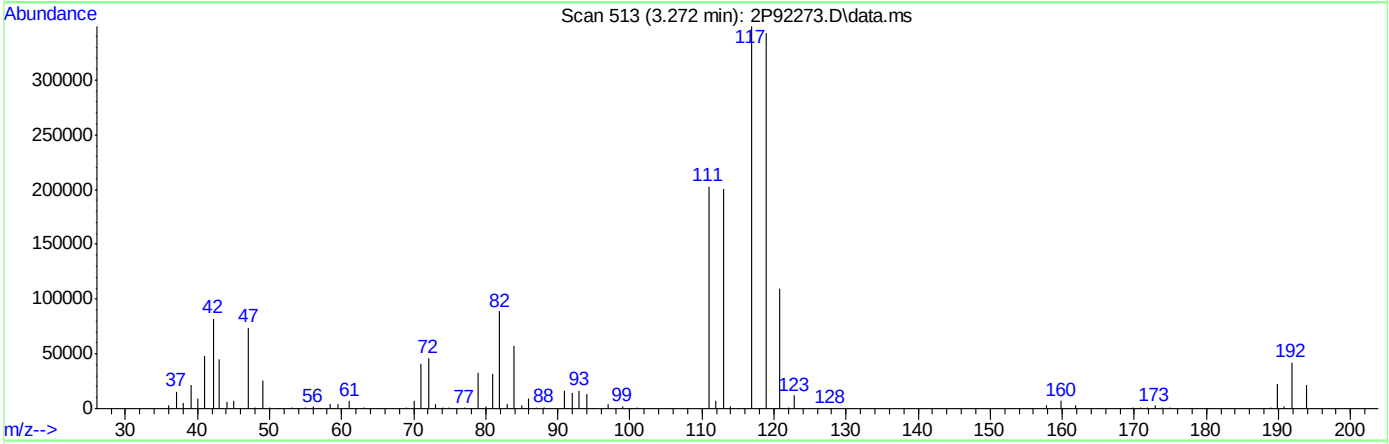
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	98.11
120.90	30.80	31.45
81.90	30.00	25.31

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:42:19 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92273.D\data.ms

(40) Carbon Tetrachloride ( )

3.272min (+0.000) 76.66ug/L m

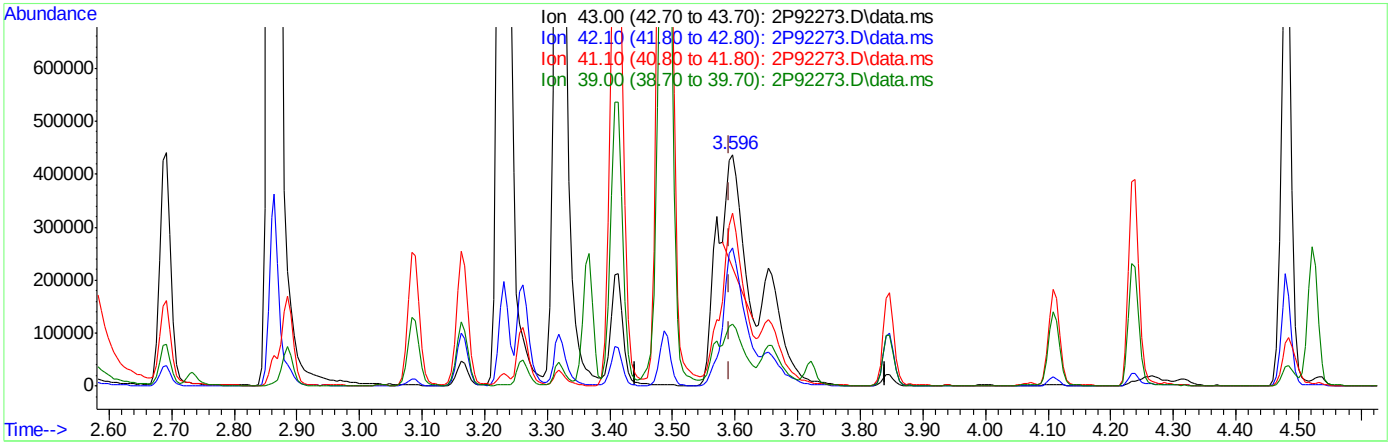
response 440807

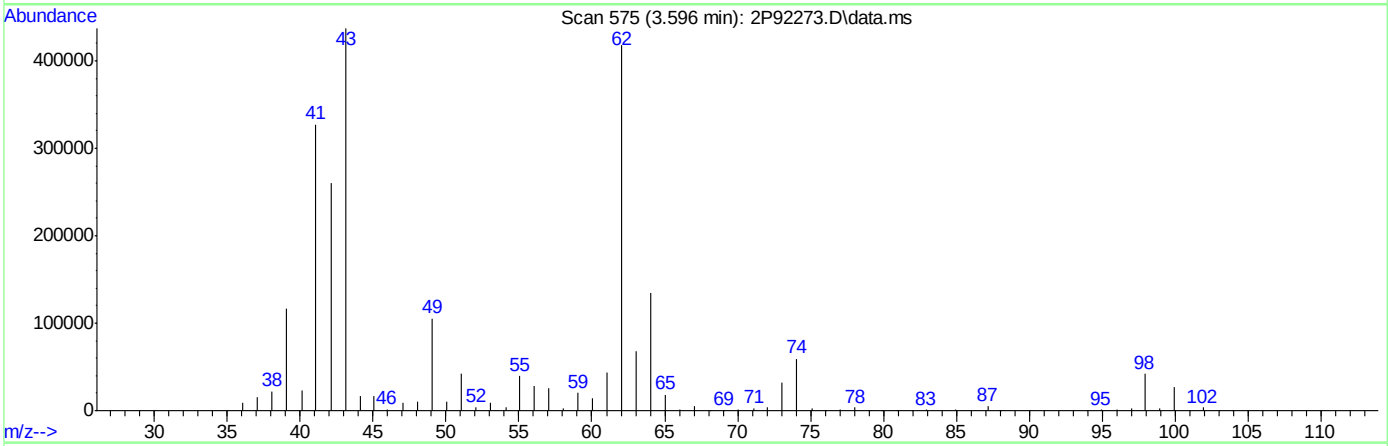
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	98.11
120.90	30.80	31.45
81.90	30.00	25.43

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:42:19 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92273.D\data.ms

(50) Isobutyl alcohol

3.596min (+0.005) 191.12ug/L

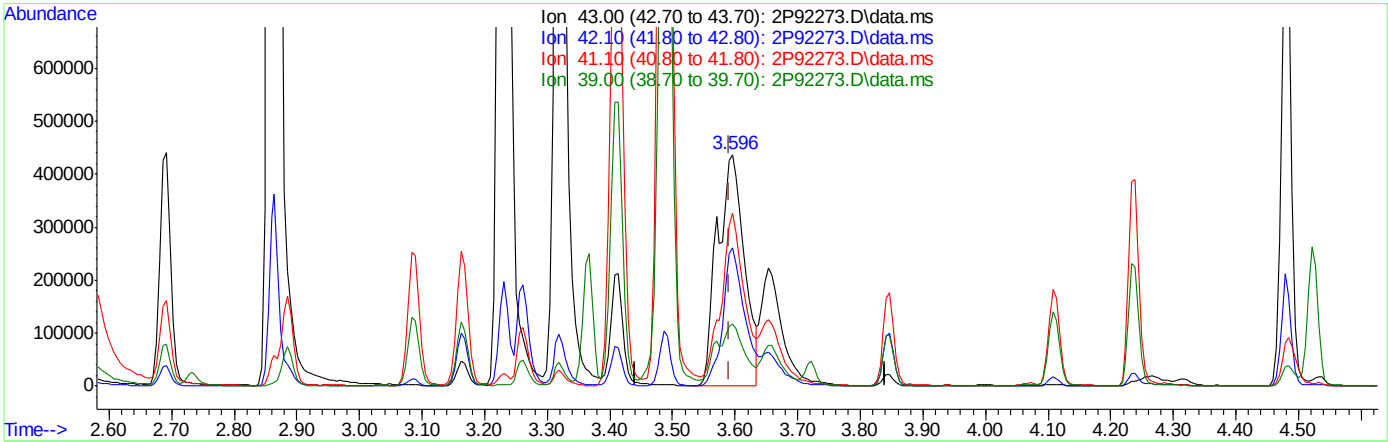
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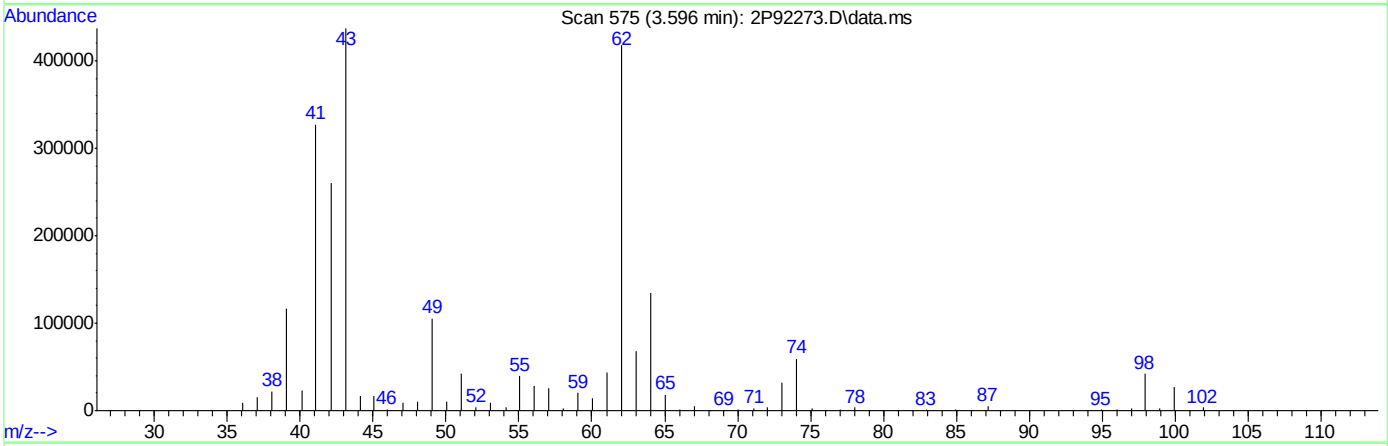
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	60.60
41.10	72.70	74.53
39.00	28.00	25.11

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:42:19 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92273.D\data.ms

(50) Isobutyl alcohol

3.596min (+0.005) 864.82ug/L m

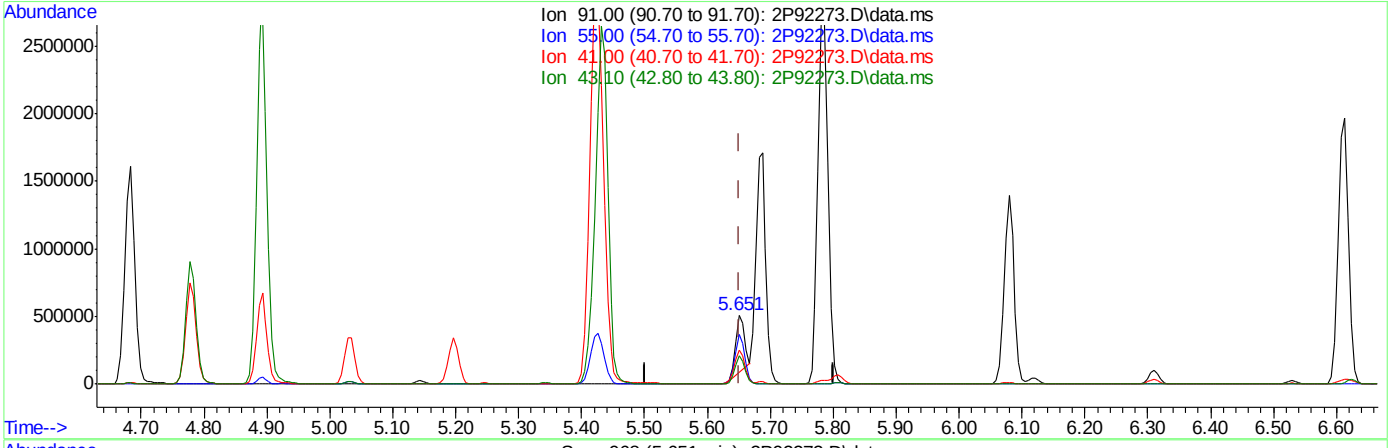
response 1301441

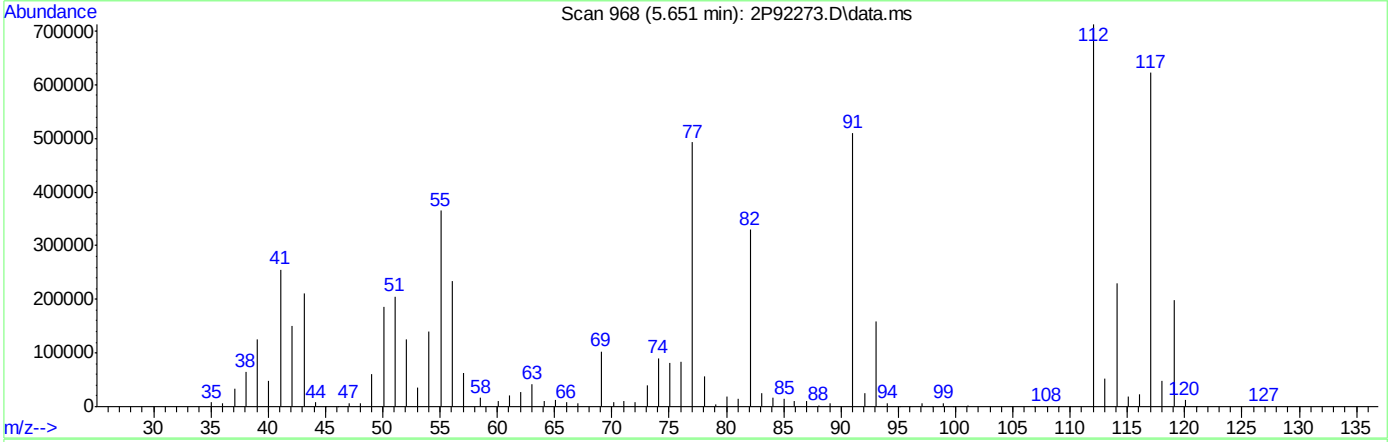
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	59.63
41.10	72.70	74.81
39.00	28.00	26.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:42:19 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92273.D\data.ms

(76) 1-Chlorohexane

5.651min (-0.001) 53.23ug/L

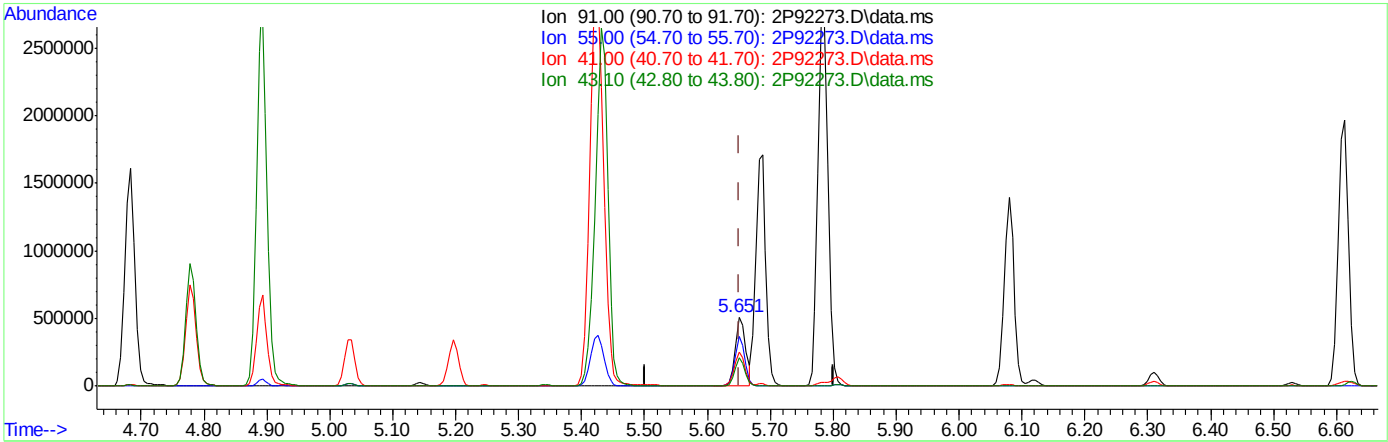
response 400352

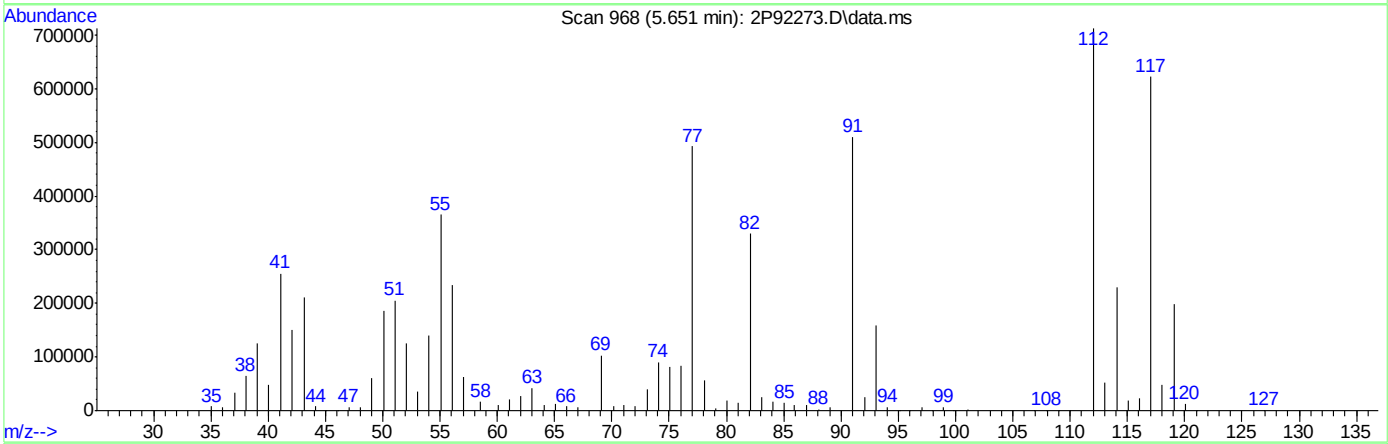
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	70.56#
41.00	83.00	48.82#
43.10	65.60	40.84#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:42:19 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92273.D\data.ms

(76) 1-Chlorohexane

5.651min (-0.001) 76.40ug/L m

response 574578

Ion	Exp%	Act%
91.00	100	100
55.00	103.70	71.59#
41.00	83.00	49.96#
43.10	65.60	41.20#

2P92275.D

Manual Integrations APPROVED (compounds with "m" flag)

Karen Watson
08/25/22 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.721	96	1448604	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.645	117	1030693	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.334	152	456458	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.266	113	316577	48.36	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.72%				
49) 1,2-Dichloroethane-d4	3.554	65	423799	41.54	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 83.08%				
63) Toluene-d8	4.652	98	1416932	51.57	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 103.14%				
86) 4-Bromofluorobenzene	6.497	174	362690	47.80	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.123	85	403369	74.24	ug/L		96
3) Chloromethane	1.259	50	464809	57.62	ug/L		97
4) 1,3-butadiene	1.316	39	428849	58.83	ug/L		88
5) Vinyl Chloride	1.306	62	578889	79.95	ug/L		99
6) Bromomethane	1.510	94	289893	102.25	ug/L		98
7) Chloroethane	1.583	64	157131	62.90	ug/L		97
8) Trichlorofluoromethane	1.667	101	289930	44.82	ug/L		96
9) Ethyl Ether	1.881	59	487397	72.20	ug/L		77
10) Ethanol	1.996	45	234484	973.37	ug/L		91
11) 1,2-Dichlorotrifluoroe...	1.975	67	524281	89.03	ug/L		89
12) 1,1-Dichloroethene	1.975	61	783609	83.31	ug/L		88
13) Freon 113	2.006	101	487596	100.42	ug/L		97
14) Carbon Disulfide	1.991	76	1427913	97.12	ug/L		89
15) Iodomethane	2.059	142	363343	53.59	ug/L		94
16) Acrolein	2.158	56	991894	403.00	ug/L		99
17) Allyl chloride	2.247	41	582060	68.37	ug/L		92
18) Methylene Chloride	2.299	49	638185	55.95	ug/L		76
19) Acetone	2.325	43	1566267	317.71	ug/L		90
20) Methyl acetate	2.399	43	3497839	305.46	ug/L		88
21) trans-1,2-Dichloroethene	2.399	61	785353	81.83	ug/L		84
22) Hexane	2.467	56	418082	84.01	ug/L	#	83
23) Methyl Tert Butyl Ether	2.477	73	1750100	98.47	ug/L	#	56
24) Tert Butyl Alcohol	2.524	59	1960321	734.25	ug/L		81
25) Acetonitrile	2.561	41	1476501	1071.79	ug/L		97
26) Di-isopropyl ether	2.691	45	1612917	68.11	ug/L		92
27) Chloroprene	2.733	53	2133138	56.98	ug/L		92
28) 1,1-Dichloroethane	2.728	63	1002856	84.09	ug/L		96
29) Acrylonitrile	2.733	52	1659961	342.58	ug/L		80
30) ETBE	2.885	59	1914010	83.73	ug/L		91
31) Vinyl acetate	2.864	43	6405963	372.95	ug/L		98
32) cis-1,2-Dichloroethene	3.021	96	587168	101.97	ug/L		88
33) 2,2-Dichloropropane	3.083	77	855049	93.26	ug/L		99
34) Bromochloromethane	3.130	128	251747	97.97	ug/L	#	63
35) Cyclohexane	3.162	56	1001171	81.71	ug/L	#	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.167	83	1022546	97.13	ug/L		94
37) Ethyl acetate	3.230	43	4648141	334.80	ug/L		93
38) Tetrahydrofuran	3.261	42	347454	59.73	ug/L		90
40) Carbon Tetrachloride	3.266	117	688315m	116.30	ug/L		
41) 1,1,1-Trichloroethane	3.298	97	903166	107.24	ug/L		92
42) 2-Butanone	3.319	43	2737606	319.53	ug/L		82
43) 1,1-Dichloropropene	3.366	75	775619	98.37	ug/L		81
44) tert-Butyl formate	3.413	59	2463630	441.32	ug/L		90
45) Propionitrile	3.470	54	1863638	698.74	ug/L		93
46) Methacrylonitrile	3.491	41	4992432	600.10	ug/L		93
47) Benzene	3.496	78	2410543	98.90	ug/L		86
48) TAME	3.570	73	1770465	102.97	ug/L		76
50) Isobutyl alcohol	3.601	43	1778010m	1147.90	ug/L		
51) 1,2-Dichloroethane	3.591	62	835675	80.60	ug/L		93
52) Tert Amyl Alcohol	3.659	59	1695550	842.81	ug/L		85
53) Trichloroethene	3.826	95	614815	103.09	ug/L		95
54) Methylcyclohexane	3.847	83	910970	109.01	ug/L	#	80
55) Dibromomethane	4.051	93	341144	101.76	ug/L		93
56) 1,2-Dichloropropane	4.108	63	594664	88.48	ug/L		89
57) Bromodichloromethane	4.145	83	707970	96.33	ug/L		95
58) Methyl methacrylate	4.239	41	692154	66.81	ug/L	#	79
59) 1,4-Dioxane	4.265	88	308127	1669.18	ug/L		79
60) 2-Chloroethyl vinyl ether	4.479	63	2513613	427.56	ug/L		80
61) cis-1,3-Dichloropropene	4.521	75	894613	93.54	ug/L		78
64) Toluene	4.683	91	2598286	107.80	ug/L		98
65) 2-Nitropropane	4.777	41	1254422	340.12	ug/L		96
66) 4-Methyl-2-pentanone	4.892	43	4677949	360.73	ug/L		90
67) trans-1,3-Dichloropropene	4.918	75	811103	97.78	ug/L		83
68) Tetrachloroethene	4.939	166	550983	94.24	ug/L		92
69) Ethyl methacrylate	5.033	69	974966	113.66	ug/L	#	72
70) 1,1,2-Trichloroethane	5.023	83	438235	103.06	ug/L		84
71) Dibromochloromethane	5.143	129	523793	106.67	ug/L		95
72) 1,3-Dichloropropane	5.196	76	975960	101.52	ug/L		79
73) 1,2-Dibromoethane	5.295	107	554857	109.36	ug/L		99
74) 3,3-dimethyl-1-butanol	5.426	57	10279666	3633.04	ug/L	#	85
75) 2-hexanone	5.436	43	4950878	314.99	ug/L	#	44
76) 1-Chlorohexane	5.656	91	852517m	110.16	ug/L		
77) Ethylbenzene	5.687	91	2890719	109.61	ug/L		96
78) Chlorobenzene	5.656	112	1561418	109.85	ug/L		92
79) 1,1,1,2-Tetrachloroethane	5.697	131	523351	110.08	ug/L		96
80) m,p-Xylene	5.786	91	4637003	222.49	ug/L		99
81) o-Xylene	6.079	91	2290163	111.83	ug/L		98
82) Styrene	6.110	104	1813515	117.93	ug/L		95
83) Bromoform	6.121	173	302716	96.26	ug/L		98
84) Isopropylbenzene	6.309	105	2696969	114.43	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.529	53	323231	85.03	ug/L	#	67
88) n-Propylbenzene	6.612	91	3191996	124.56	ug/L		99
89) Bromobenzene	6.571	156	614502	116.23	ug/L		94
90) 1,1,2,2-Tetrachloroethane	6.633	83	815986	116.68	ug/L		95
91) 1,3,5-Trimethylbenzene	6.759	105	2231418	124.78	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

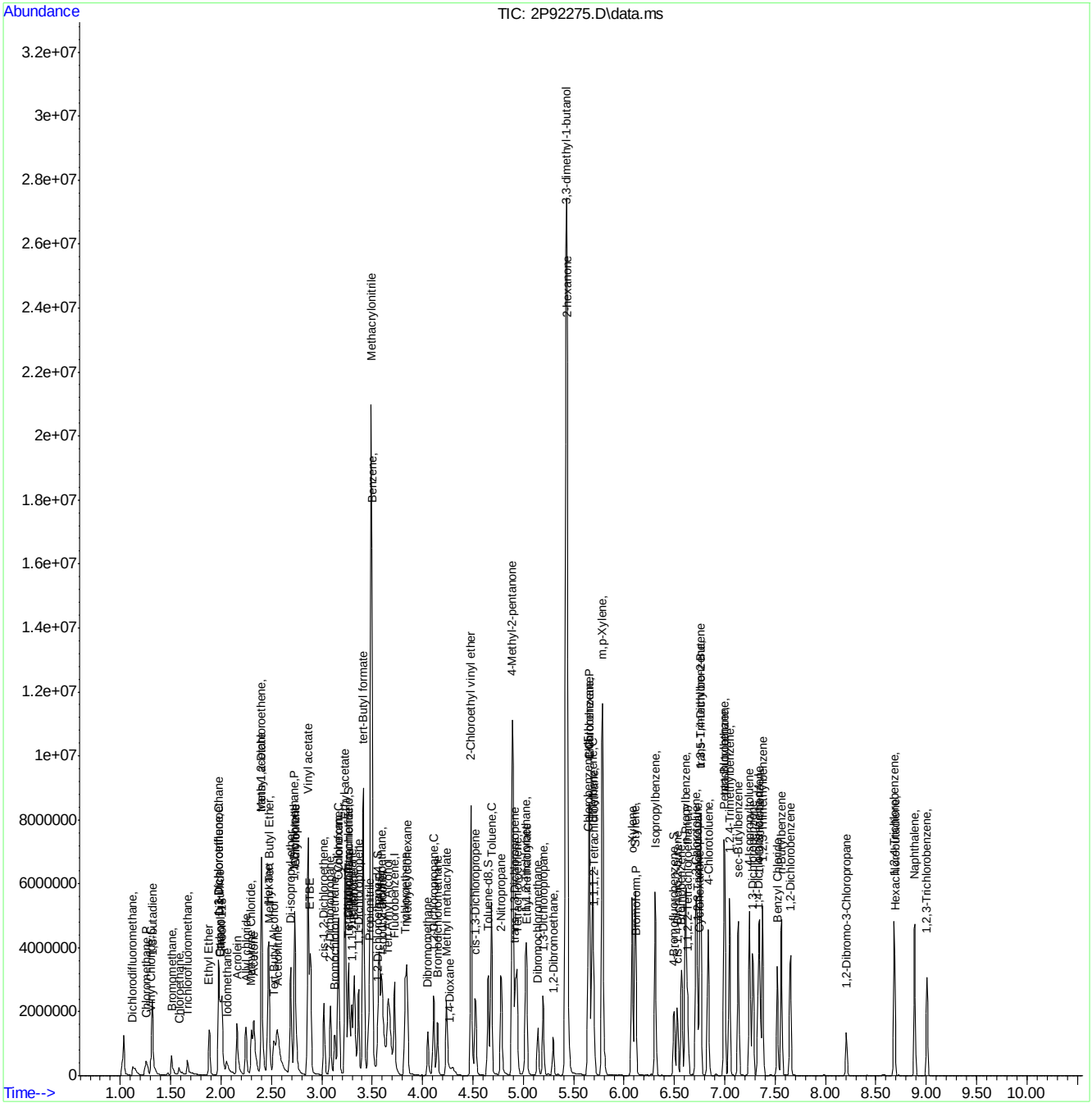
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.712	91	1892504	121.68	ug/L		100
93)	trans-1,4-Dichloro-2-B...	6.759	53	369178	81.16	ug/L	#	63
94)	1,2,3-Trichloropropane	6.727	110	296210	114.13	ug/L	#	79
95)	Cyclohexanone	6.748	55	288162	430.56	ug/L		87
96)	4-Chlorotoluene	6.837	91	1978875	121.64	ug/L		93
97)	tert-Butylbenzene	6.994	91	1246847	126.34	ug/L		90
99)	1,2,4-Trimethylbenzene	7.046	105	2155567	124.02	ug/L		99
100)	Pentachloroethane	6.999	167	301098	100.99	ug/L		97
101)	sec-Butylbenzene	7.135	105	2391039	125.36	ug/L		98
102)	4-Isopropyltoluene	7.245	119	2141309	131.52	ug/L		97
103)	1,3-Dichlorobenzene	7.276	146	1099976	114.79	ug/L		98
104)	1,2,3-Trimethylbenzene	7.376	105	2134898	122.50	ug/L		98
105)	1,4-Dichlorobenzene	7.344	146	1126792	110.09	ug/L		98
106)	n-Butylbenzene	7.564	92	1037609	126.17	ug/L		98
107)	Benzyl Chloride	7.522	126	325644	112.38	ug/L		93
108)	1,2-Dichlorobenzene	7.653	146	1027230	110.35	ug/L		97
109)	1,2-Dibromo-3-Chloropr...	8.207	75	215439	105.53	ug/L	#	70
110)	Hexachlorobutadiene	8.688	225	203747	97.41	ug/L		95
111)	1,2,4-Trichlorobenzene	8.683	180	571214	110.76	ug/L		94
112)	Naphthalene	8.886	128	2395122	135.32	ug/L		99
113)	1,2,3-Trichlorobenzene	9.007	180	523527	107.54	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V2P3560-IC3560
Lab FileID: 2P92275.D
Injection Time: 08/24/22 13:04

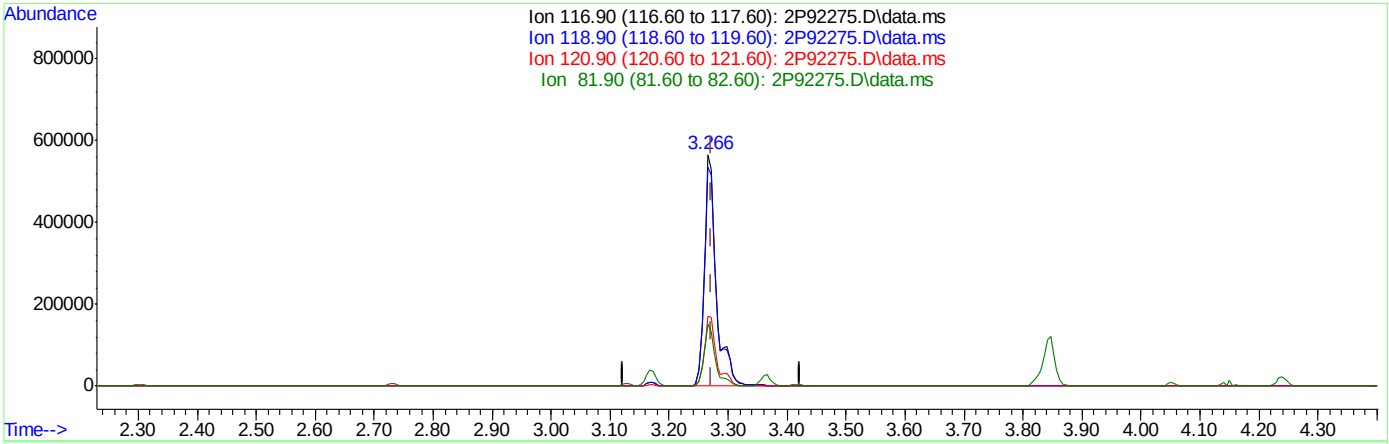
Method: SW846 8260D
Analyst approved: 08/24/22 13:21 Courtney Failla
Supervisor approved: 08/25/22 11:34 Karen Watson

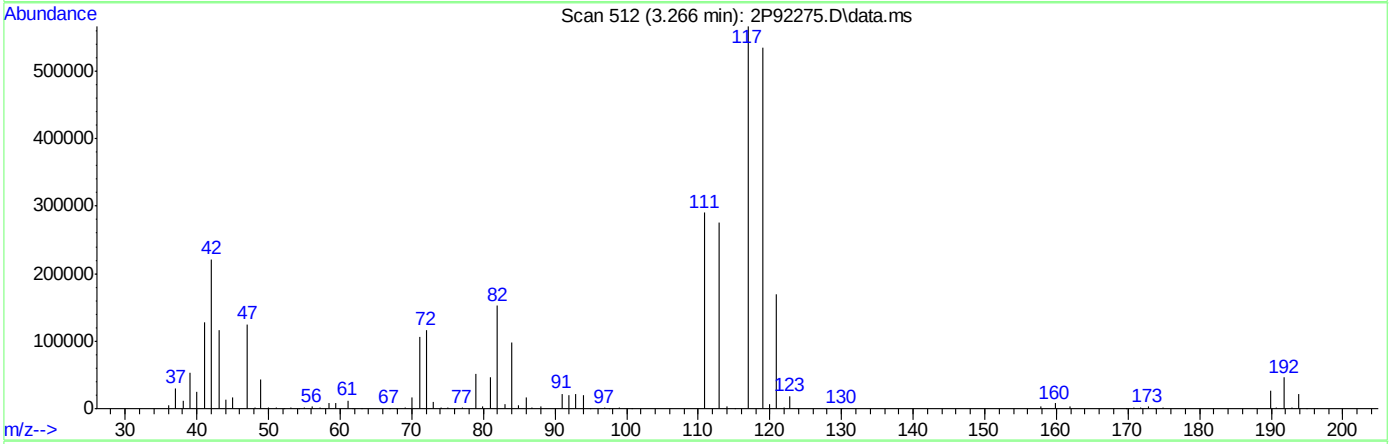
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.60	Poor instrument integration
1-Chlorohexane	544-10-5		5.66	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:14:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92275.D\data.ms

(40) Carbon Tetrachloride ( )

3.266min (-0.005) 135.06ug/L

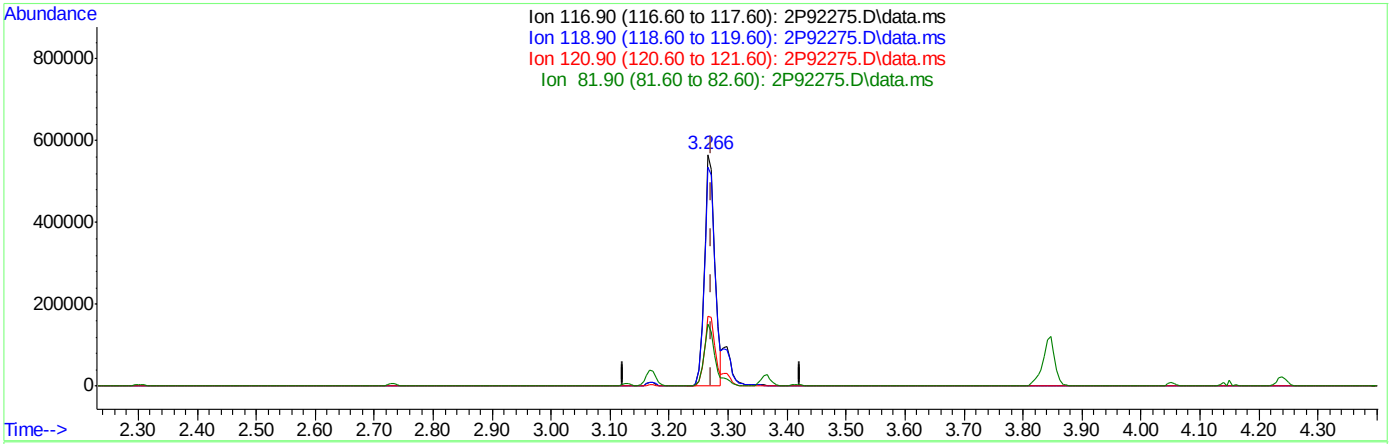
response 799364

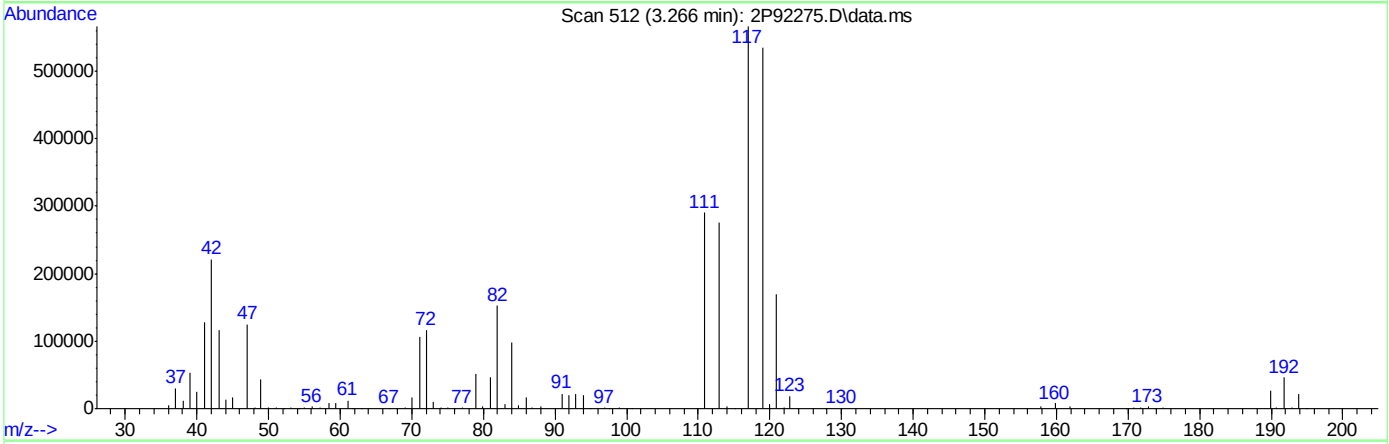
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	94.38
120.90	30.80	30.01
81.90	30.00	26.86

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:14:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92275.D\data.ms

(40) Carbon Tetrachloride ( )

3.266min (-0.005) 116.30ug/L m

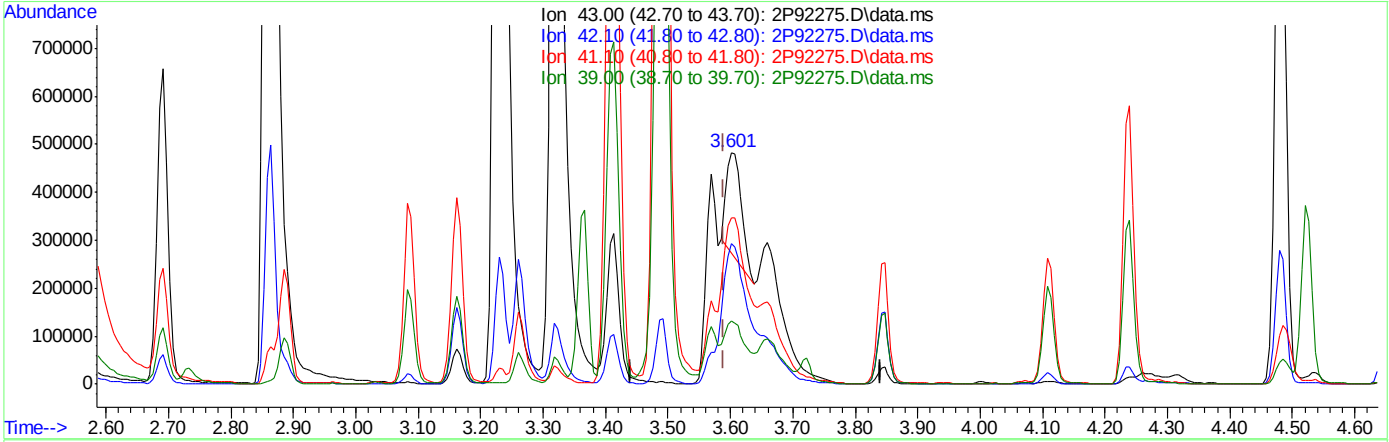
response 688315

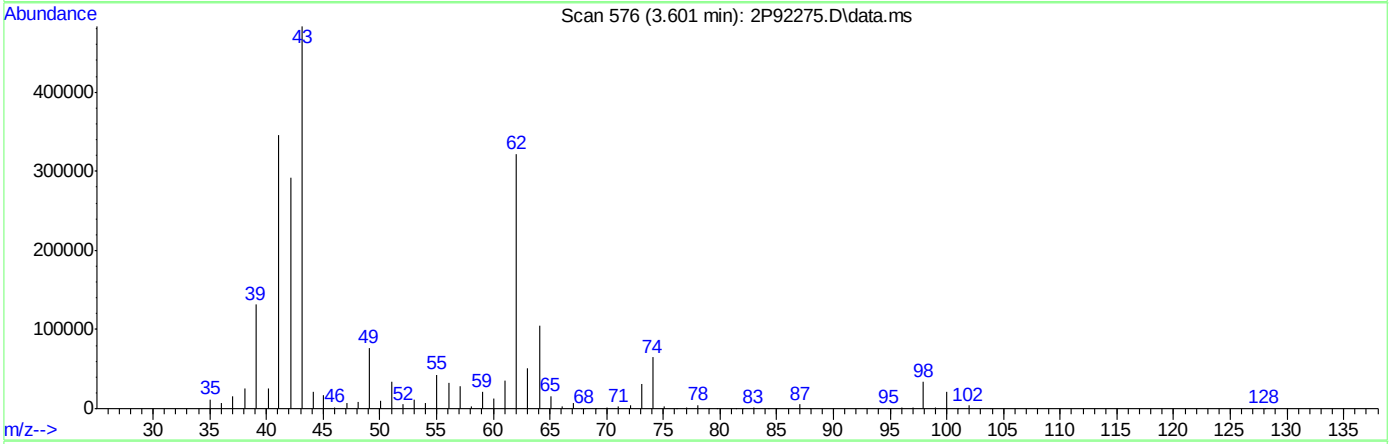
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	94.38
120.90	30.80	30.01
81.90	30.00	26.93

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:14:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92275.D\data.ms

(50) Isobutyl alcohol

3.601min (+0.010) 229.58ug/L

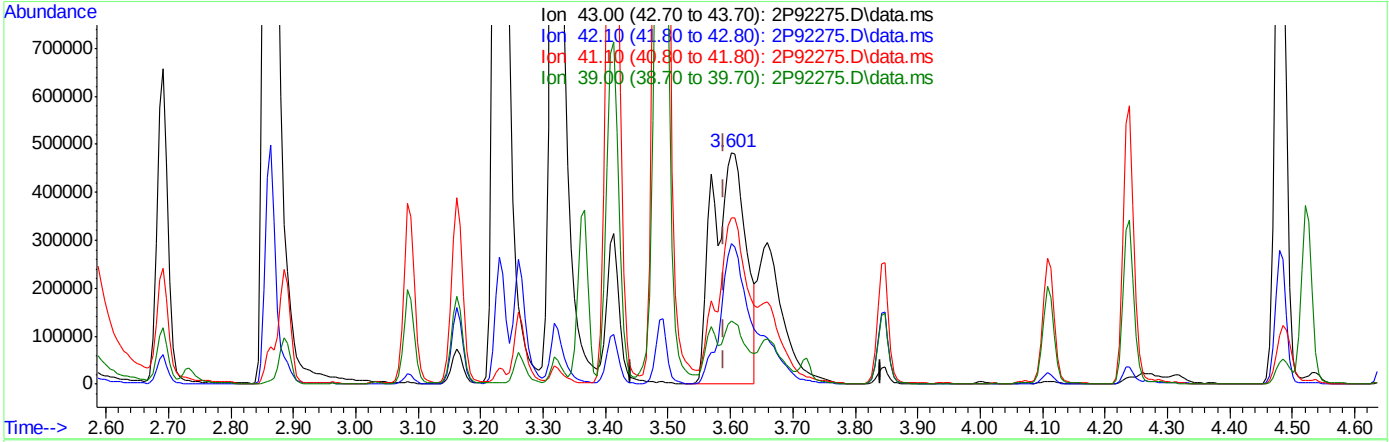
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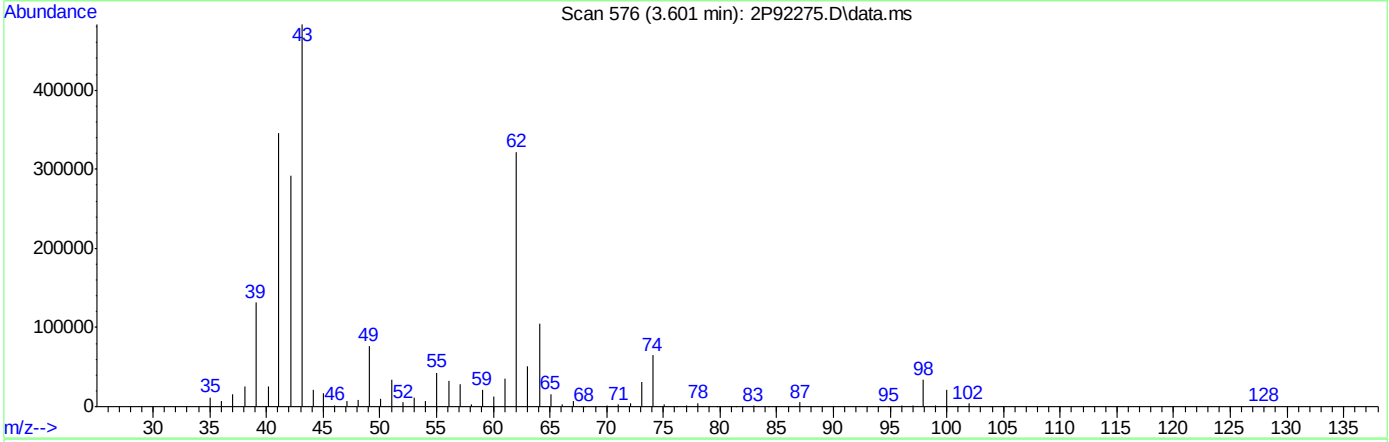
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	64.21
41.10	72.70	66.08
39.00	28.00	24.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:14:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92275.D\data.ms

(50) Isobutyl alcohol

3.601min (+0.010) 1147.90ug/L m

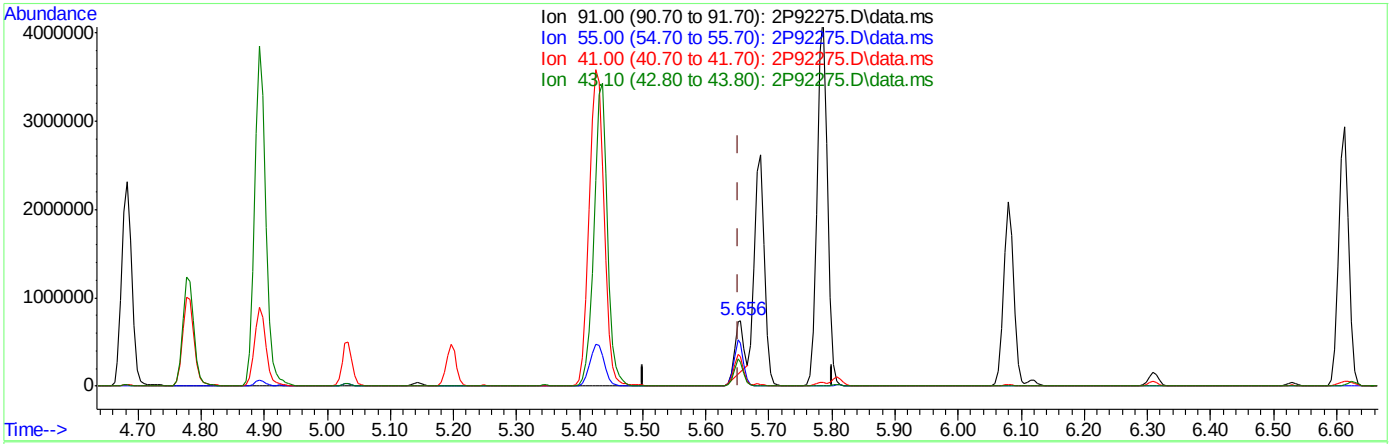
response 1778010

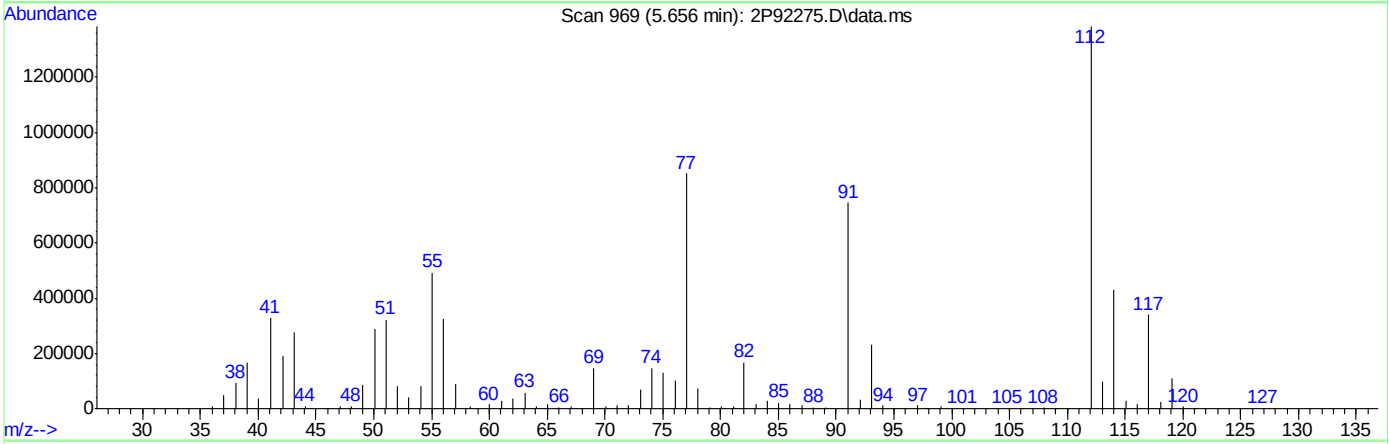
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	60.47
41.10	72.70	71.64
39.00	28.00	27.18

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:14:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92275.D\data.ms

(76) 1-Chlorohexane

5.656min (+0.004) 78.56ug/L

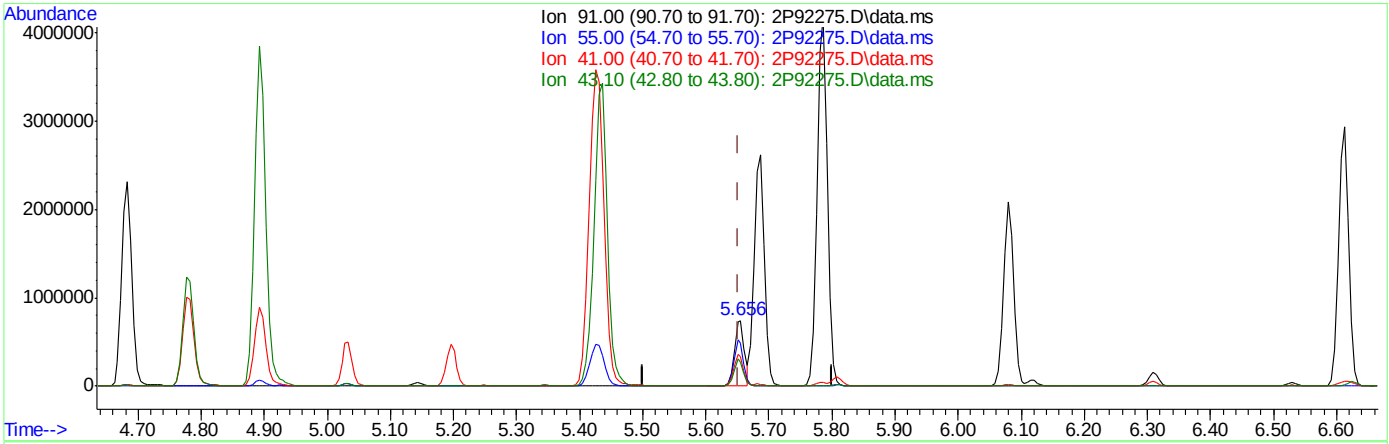
response 607981

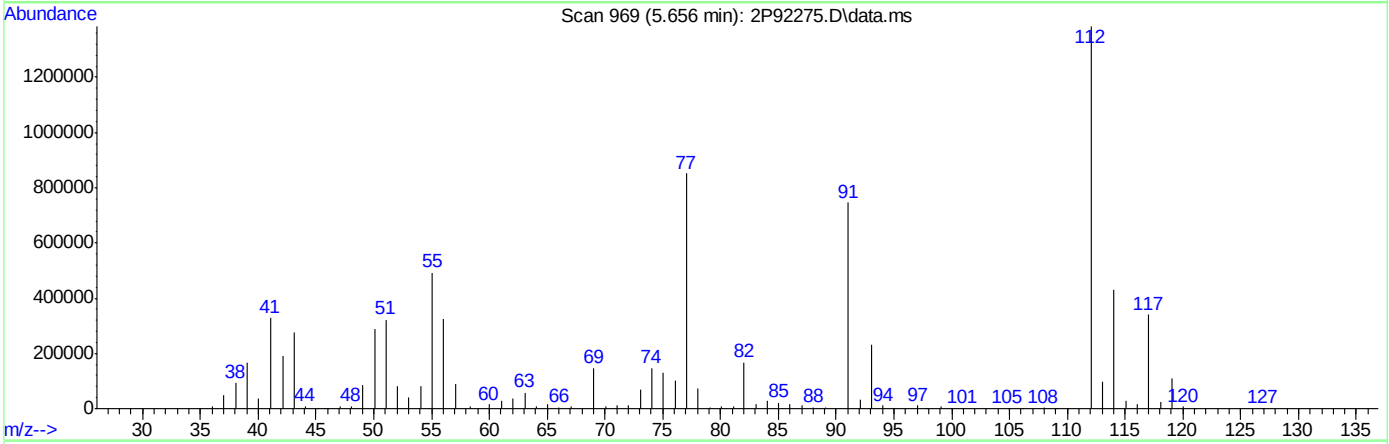
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	64.37#
41.00	83.00	42.39#
43.10	65.60	35.78#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:14:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92275.D\data.ms

(76) 1-Chlorohexane

5.656min (+0.004) 110.16ug/L m

response 852517

Ion	Exp%	Act%
91.00	100	100
55.00	103.70	66.08#
41.00	83.00	44.08#
43.10	65.60	36.96#

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:18:05 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1393141	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.643	117	987081	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.332	152	446303	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.265	113	302671	51.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.24%			
49) 1,2-Dichloroethane-d4	3.552	65	425650	51.76	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.52%			
63) Toluene-d8	4.650	98	1358611	50.02	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.04%			
86) 4-Bromofluorobenzene	6.496	174	348971	50.13	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.26%			
Target Compounds						Qvalue
3) Chloromethane	1.252	50	153007	36.01	ug/L	97
4) 1,3-butadiene	1.320	39	147719	37.41	ug/L	96
5) Vinyl Chloride	1.304	62	188259	36.35	ug/L	98
6) Bromomethane	1.508	94	108687	33.91	ug/L	98
7) Chloroethane	1.581	64	58476	34.86	ug/L	97
8) Trichlorofluoromethane	1.670	101	195785	36.72	ug/L	99
9) Ethyl Ether	1.879	59	185108	38.19	ug/L	98
10) Ethanol	1.979	45	98674	698.39	ug/L	98
11) 1,2-Dichlorotrifluoroe...	1.979	67	194448	42.88	ug/L	97
12) 1,1-Dichloroethene	1.979	61	268516	40.55	ug/L	97
13) Freon 113	2.015	101	155540	36.93	ug/L	97
14) Carbon Disulfide	2.000	76	383036	34.35	ug/L	97
16) Acrolein	2.156	56	299581	169.00	ug/L	99
17) Allyl chloride	2.245	41	220442	46.28	ug/L	97
18) Methylene Chloride	2.303	49	230001	32.47	ug/L	100
19) Acetone	2.318	43	637443	200.83	ug/L	97
20) Methyl acetate	2.397	43	1272345	196.29	ug/L	100
21) trans-1,2-Dichloroethene	2.402	61	265616	39.59	ug/L	98
22) Hexane	2.470	56	141138	41.52	ug/L	92
23) Methyl Tert Butyl Ether	2.475	73	709564	46.41	ug/L	75
24) Tert Butyl Alcohol	2.512	59	687470	363.53	ug/L	98
25) Acetonitrile	2.554	41	344037	320.72	ug/L	99
26) Di-isopropyl ether	2.690	45	567187	39.95	ug/L	99
27) Chloroprene	2.731	53	1026922	50.78	ug/L	93
28) 1,1-Dichloroethane	2.731	63	360738	40.89	ug/L	100
29) Acrylonitrile	2.731	52	670568	209.71	ug/L	83
30) ETBE	2.883	59	612179	36.80	ug/L	97
31) Vinyl acetate	2.862	43	2320171	202.80	ug/L	100
32) cis-1,2-Dichloroethene	3.024	96	203500	38.68	ug/L	98
33) 2,2-Dichloropropane	3.087	77	260497	37.19	ug/L	98
34) Bromochloromethane	3.129	128	87073	36.61	ug/L	97
35) Cyclohexane	3.165	56	310530	37.16	ug/L	99
36) Chloroform	3.171	83	345092	38.98	ug/L	98
37) Ethyl acetate	3.228	43	1705507	197.09	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:18:05 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) Tetrahydrofuran	3.259	42	126514	38.29	ug/L	98
40) Carbon Tetrachloride	3.270	117	224473m	40.01	ug/L	
41) 1,1,1-Trichloroethane	3.296	97	297110	38.42	ug/L	99
42) 2-Butanone	3.317	43	1075112	199.87	ug/L	99
43) 1,1-Dichloropropene	3.364	75	255267	38.43	ug/L	98
44) tert-Butyl formate	3.411	59	672736	175.63	ug/L	99
45) Propionitrile	3.463	54	636097	373.49	ug/L	99
46) Methacrylonitrile	3.484	41	1759385	386.73	ug/L	99
47) Benzene	3.495	78	808049	38.11	ug/L	99
48) TAME	3.568	73	801478	53.00	ug/L	96
50) Isobutyl alcohol	3.589	43	742060m	851.71	ug/L	
51) 1,2-Dichloroethane	3.589	62	291680	38.43	ug/L	99
52) Tert Amyl Alcohol	3.652	59	561158	350.61	ug/L	98
53) Trichloroethene	3.824	95	205446	37.64	ug/L	93
54) Methylcyclohexane	3.845	83	285620	38.56	ug/L	99
55) Dibromomethane	4.054	93	112770	37.62	ug/L	90
56) 1,2-Dichloropropane	4.112	63	192709	37.41	ug/L	99
57) Bromodichloromethane	4.148	83	227821	39.63	ug/L	99
58) Methyl methacrylate	4.237	41	226759	38.54	ug/L	97
59) 1,4-Dioxane	4.263	88	127118	785.27	ug/L	95
60) 2-Chloroethyl vinyl ether	4.478	63	875983	204.42	ug/L	100
61) cis-1,3-Dichloropropene	4.525	75	290458	39.10	ug/L	98
64) Toluene	4.681	91	880532	37.78	ug/L	99
65) 2-Nitropropane	4.776	41	363441	191.13	ug/L	97
66) 4-Methyl-2-pentanone	4.891	43	1777459	197.71	ug/L	99
67) trans-1,3-Dichloropropene	4.922	75	281243	40.81	ug/L	84
68) Tetrachloroethene	4.938	166	189515	38.29	ug/L	98
69) Ethyl methacrylate	5.032	69	321629	38.36	ug/L	99
70) 1,1,2-Trichloroethane	5.021	83	151033	37.88	ug/L	98
71) Dibromochloromethane	5.142	129	158020	37.41	ug/L	96
72) 1,3-Dichloropropane	5.194	76	315917	35.65	ug/L	99
73) 1,2-Dibromoethane	5.293	107	192087	39.86	ug/L	91
74) 3,3-dimethyl-1-butanol	5.419	57	3829342	1907.86	ug/L	100
75) 2-hexanone	5.429	43	1976136	195.78	ug/L	90
76) 1-Chlorohexane	5.654	91	271934m	36.59	ug/L	
77) Ethylbenzene	5.685	91	968546	37.90	ug/L	100
78) Chlorobenzene	5.654	112	530424	38.01	ug/L	98
79) 1,1,1,2-Tetrachloroethane	5.696	131	171197	38.35	ug/L	98
80) m,p-Xylene	5.785	91	1535822	75.99	ug/L	99
81) o-Xylene	6.077	91	789768	39.70	ug/L	99
82) Styrene	6.109	104	605490	39.79	ug/L	98
83) Bromoform	6.119	173	88356	38.19	ug/L	99
84) Isopropylbenzene	6.307	105	899592	39.19	ug/L	99
87) cis-1,4-Dichloro-2-butene	6.527	53	98546	37.92	ug/L	94
88) n-Propylbenzene	6.611	91	1065654	38.92	ug/L	99
89) Bromobenzene	6.574	156	204252	36.89	ug/L	91
90) 1,1,2,2-Tetrachloroethane	6.632	83	290152	39.28	ug/L	98
91) 1,3,5-Trimethylbenzene	6.757	105	736217	38.62	ug/L	100
92) 2-Chlorotoluene	6.715	91	645623	39.07	ug/L	99
93) trans-1,4-Dichloro-2-B...	6.757	53	108937	34.41	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:18:05 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration

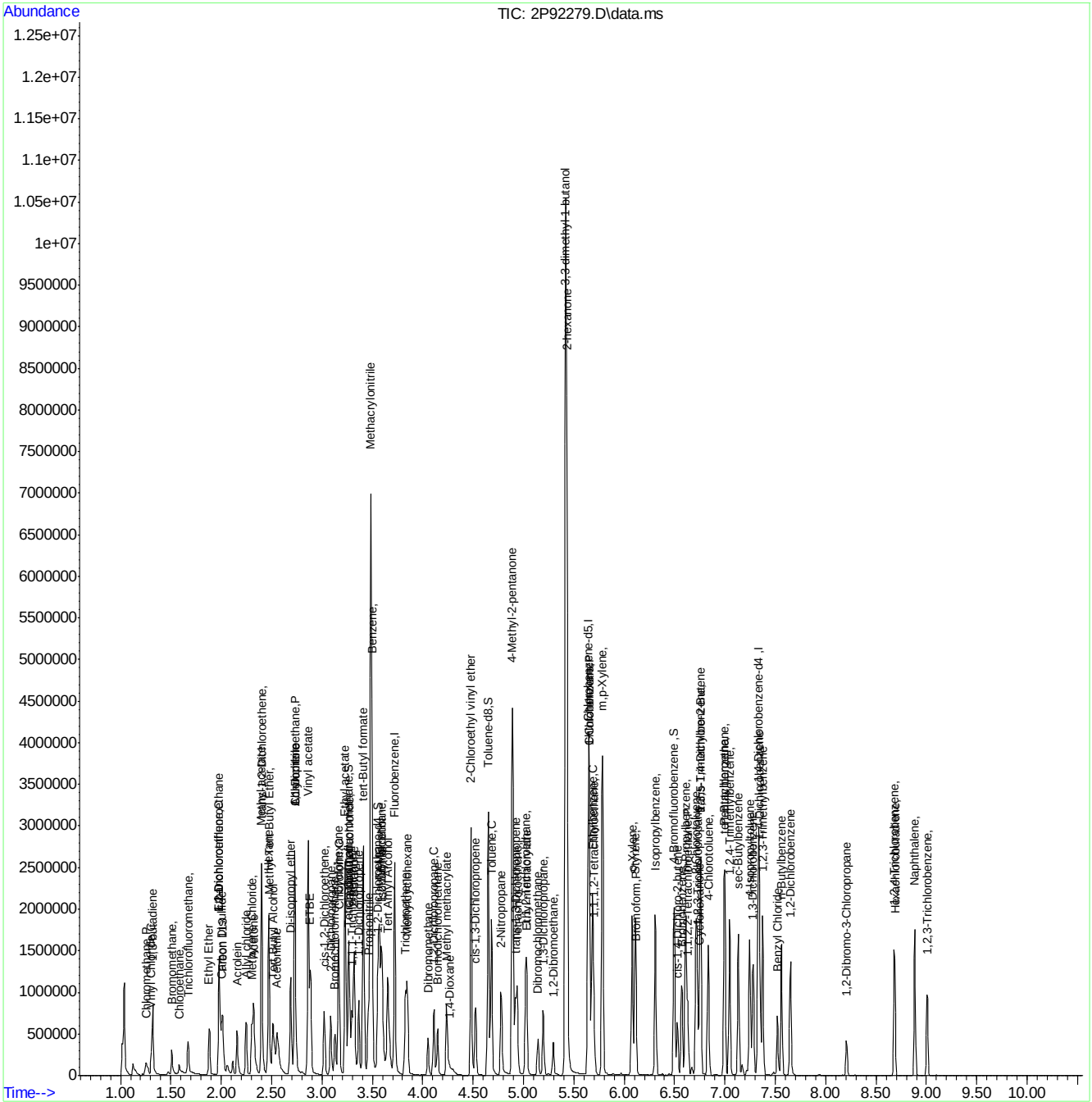
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	1,2,3-Trichloropropane	6.726	110	100012	36.30	ug/L	96
95)	Cyclohexanone	6.747	55	120517	208.91	ug/L	97
96)	4-Chlorotoluene	6.835	91	674992	38.75	ug/L	100
97)	tert-Butylbenzene	6.992	91	411422	39.30	ug/L	97
99)	1,2,4-Trimethylbenzene	7.045	105	731537	39.34	ug/L	99
100)	Pentachloroethane	6.997	167	100173	41.24	ug/L	96
101)	sec-Butylbenzene	7.133	105	829710	40.93	ug/L	99
102)	4-Isopropyltoluene	7.248	119	738675	40.15	ug/L	99
103)	1,3-Dichlorobenzene	7.280	146	389064	39.12	ug/L	98
104)	1,2,3-Trimethylbenzene	7.374	105	753617	40.40	ug/L	100
105)	1,4-Dichlorobenzene	7.343	146	395450	38.05	ug/L	97
106)	n-Butylbenzene	7.562	92	327645	36.65	ug/L	97
107)	Benzyl Chloride	7.520	126	65808	29.88	ug/L	93
108)	1,2-Dichlorobenzene	7.651	146	360833	38.65	ug/L	99
109)	1,2-Dibromo-3-Chloropr...	8.205	75	63487	36.46	ug/L	98
110)	Hexachlorobutadiene	8.686	225	65921	38.08	ug/L	97
111)	1,2,4-Trichlorobenzene	8.681	180	191794	38.62	ug/L	97
112)	Naphthalene	8.885	128	826973	39.13	ug/L	99
113)	1,2,3-Trichlorobenzene	9.010	180	177347	38.05	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:18:05 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration



Manual Integration Approval Summary

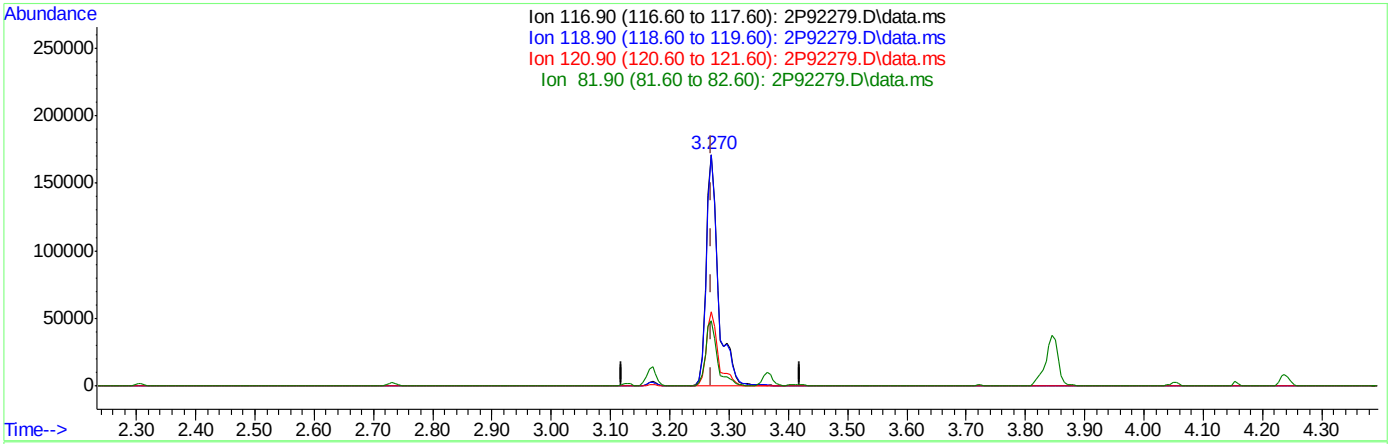
Sample Number: V2P3560-ICV3560 **Method:** SW846 8260D
Lab FileID: 2P92279.D **Analyst approved:** 08/24/22 15:20 Courtney Failla
Injection Time: 08/24/22 14:09 **Supervisor approved:** 08/25/22 11:34 Karen Watson

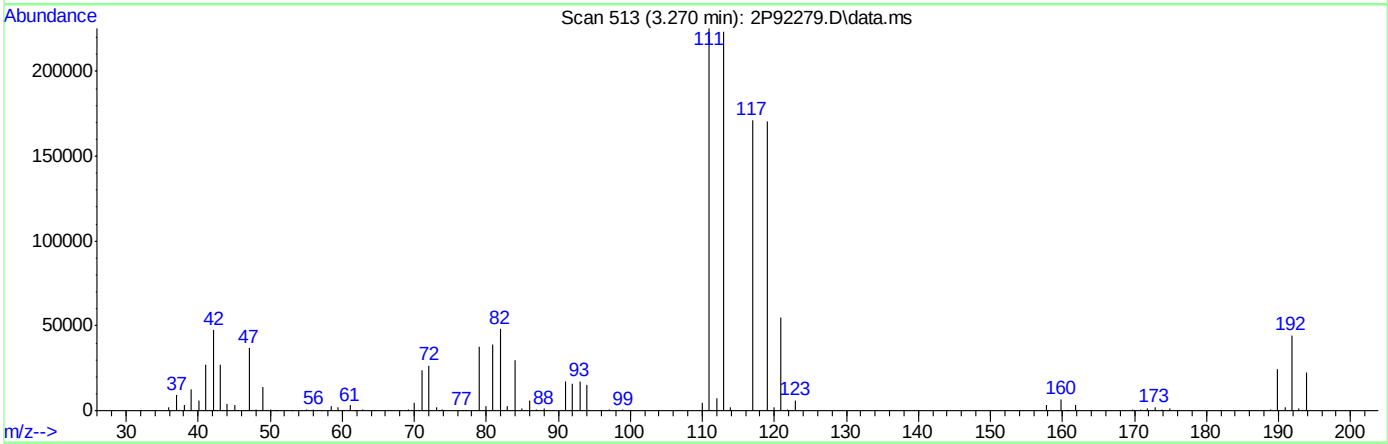
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration





TIC: 2P92279.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (-0.000) 43.45ug/L

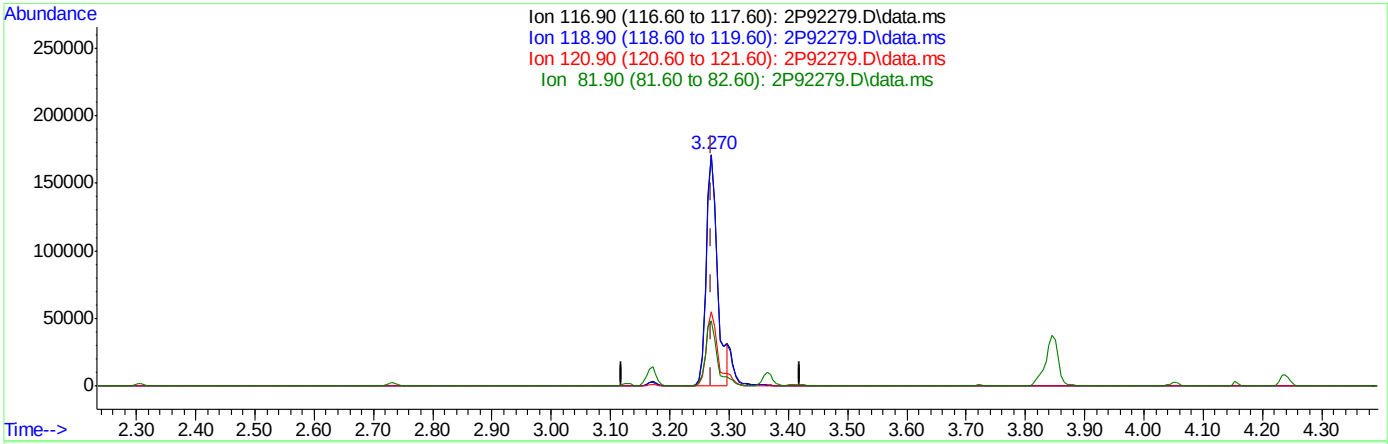
response 246422

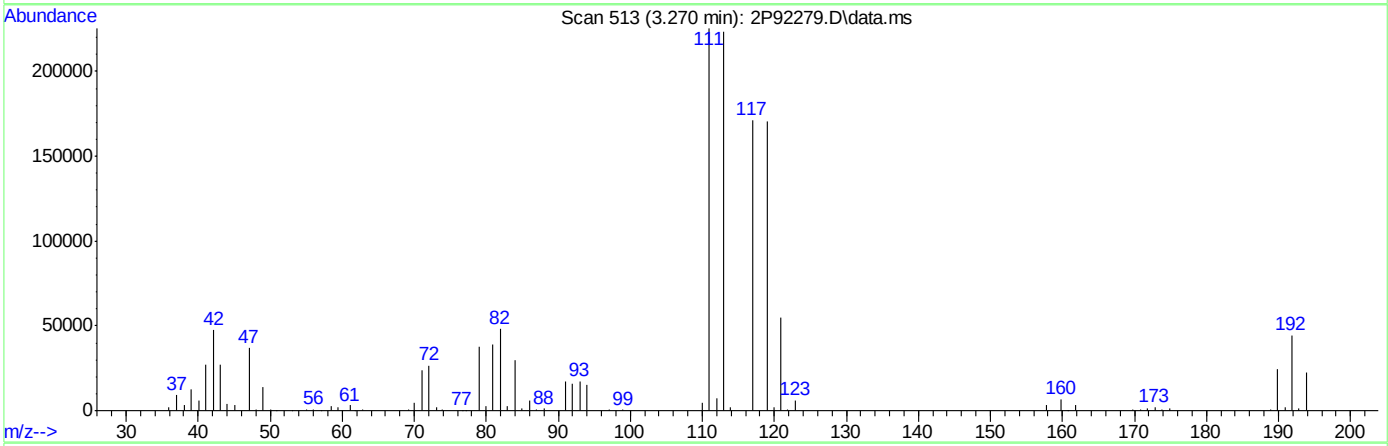
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.63
120.90	29.50	32.05
81.90	28.30	27.98

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration





TIC: 2P92279.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (-0.000) 40.01ug/L m

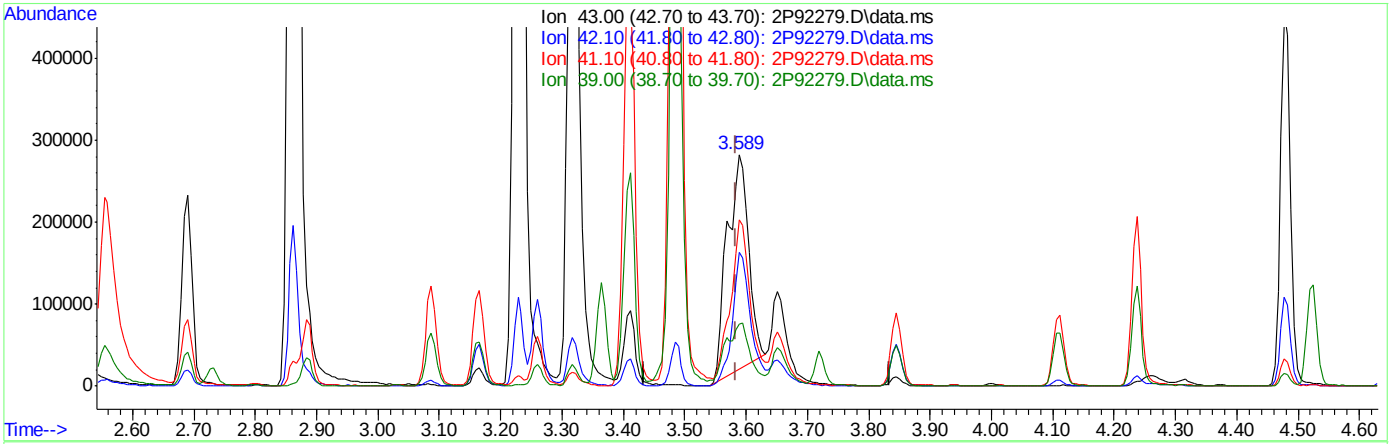
response 224473

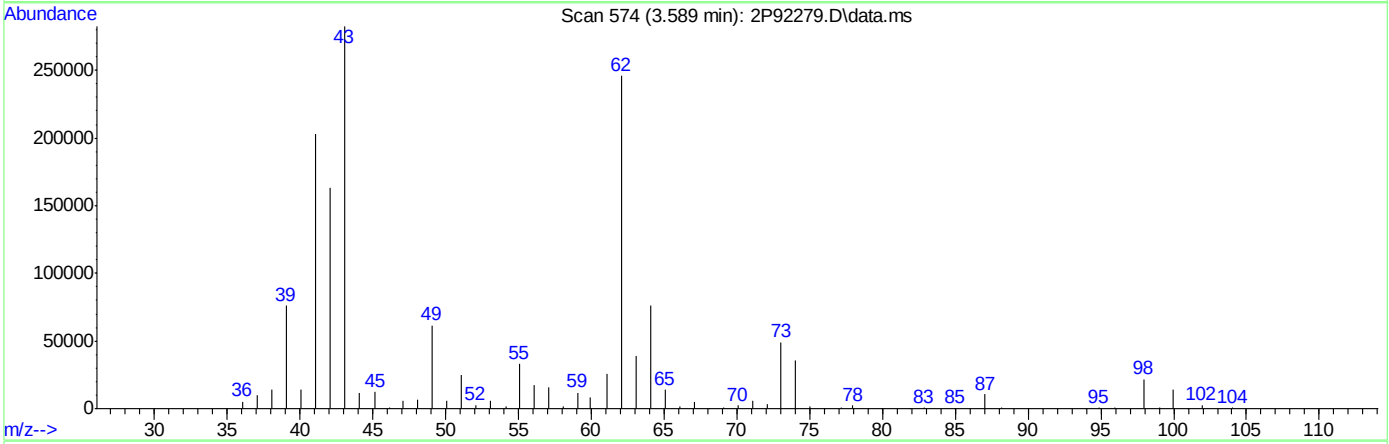
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.63
120.90	29.50	32.05
81.90	28.30	28.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration





TIC: 2P92279.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 732.74ug/L

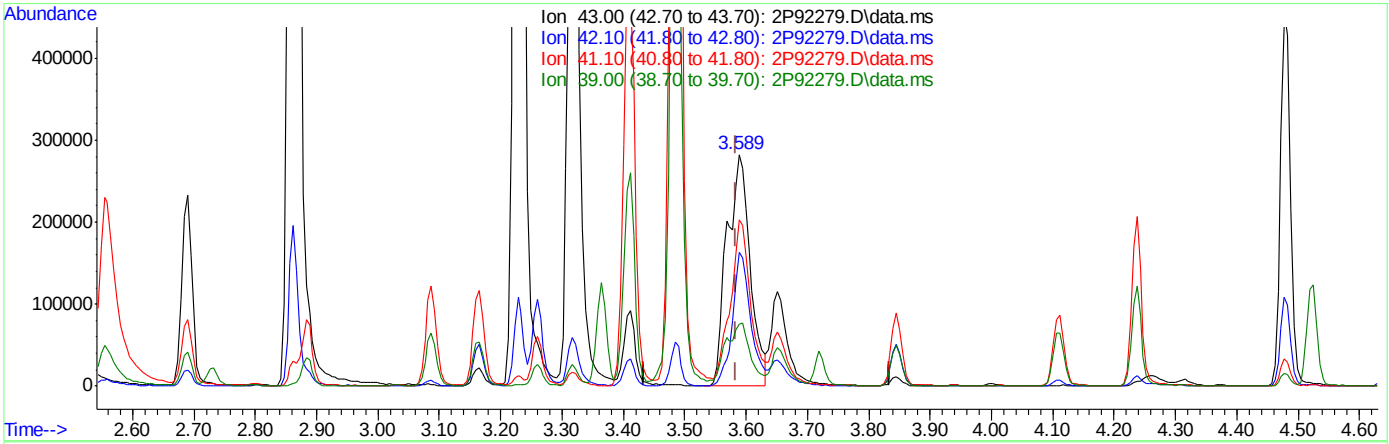
response 638409

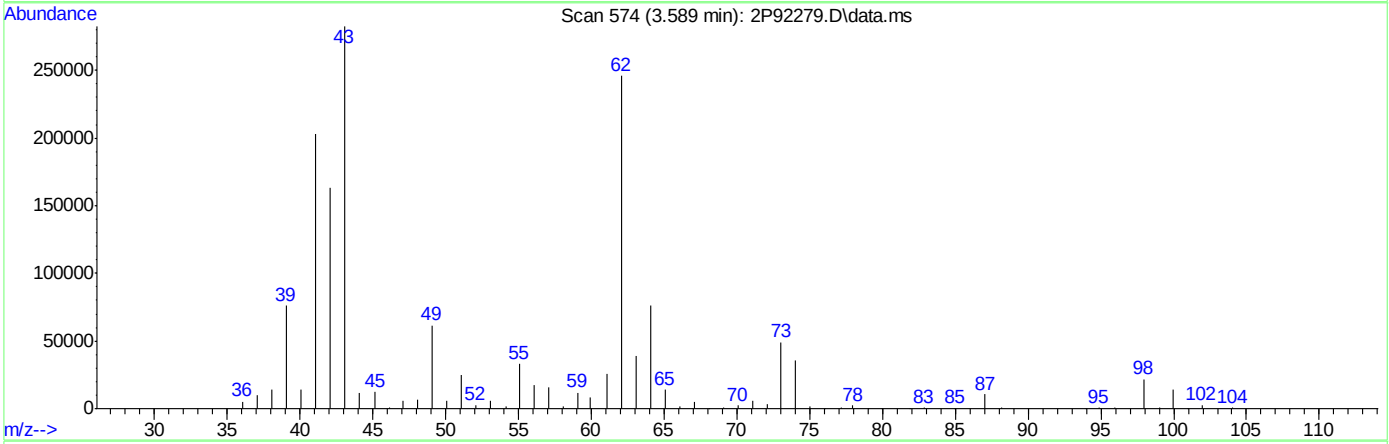
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.73
41.10	70.00	68.58
39.00	27.50	24.47

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration





TIC: 2P92279.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 851.71ug/L m

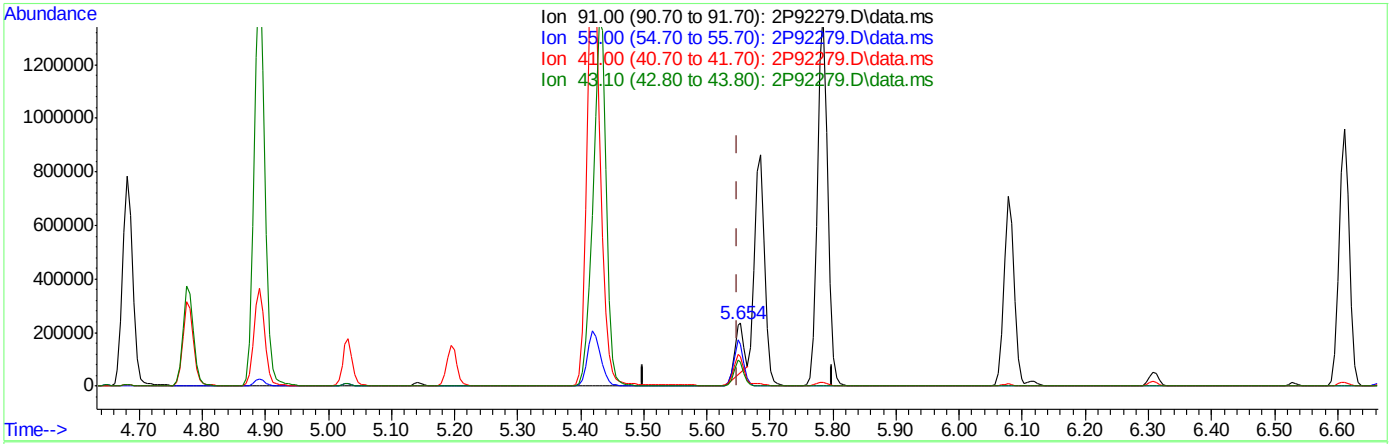
response 742060

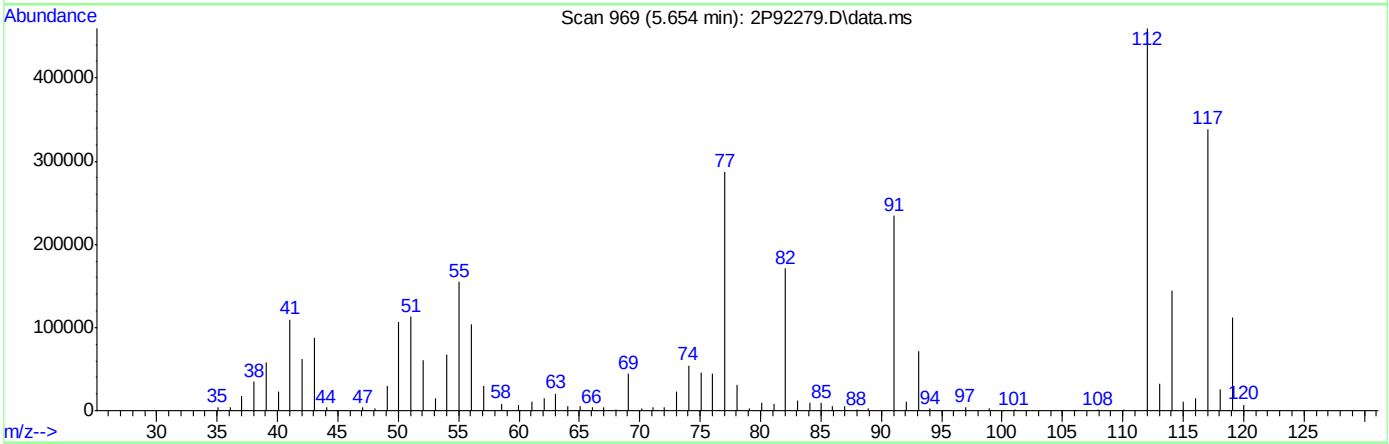
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.75
41.10	70.00	71.88
39.00	27.50	26.89

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration





TIC: 2P92279.D\data.ms

(76) 1-Chlorohexane

5.654min (+0.005) 26.16ug/L

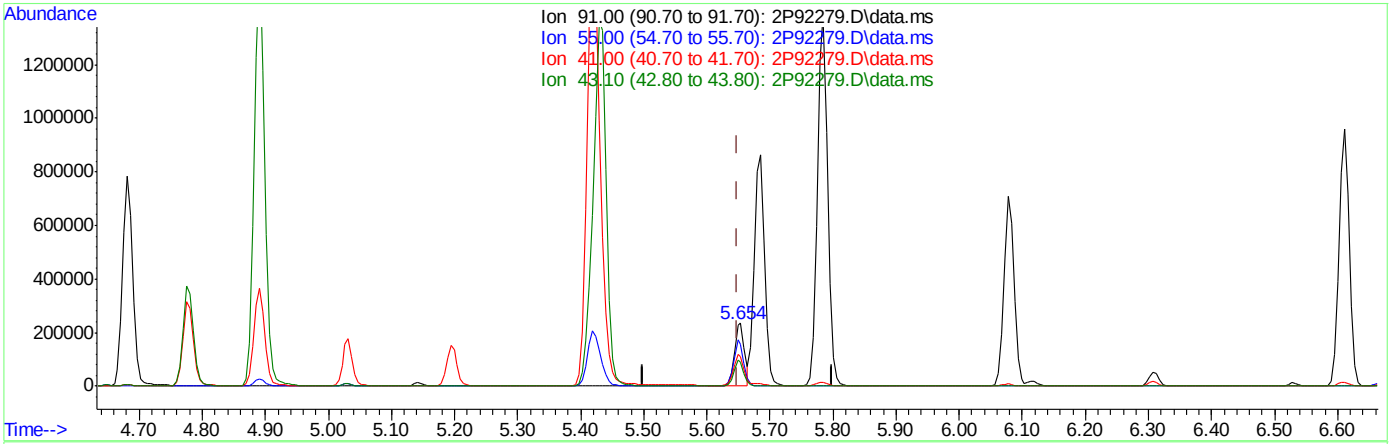
response 194418

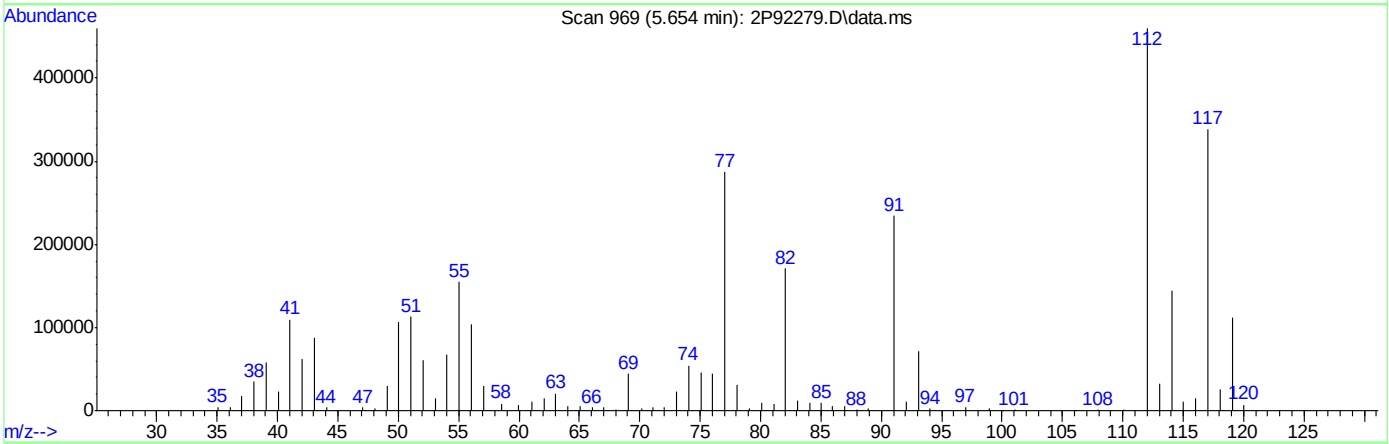
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	62.64
41.00	53.40	44.49
43.10	41.30	35.83

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration





TIC: 2P92279.D\data.ms

(76) 1-Chlorohexane

5.654min (+0.005) 36.59ug/L m

response 271934

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	66.03
41.00	53.40	46.92
43.10	41.30	37.42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92281.D
Acq On : 24 Aug 2022 2:41 pm
Operator : courtnef
Sample : ICV3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 24 15:19:03 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration

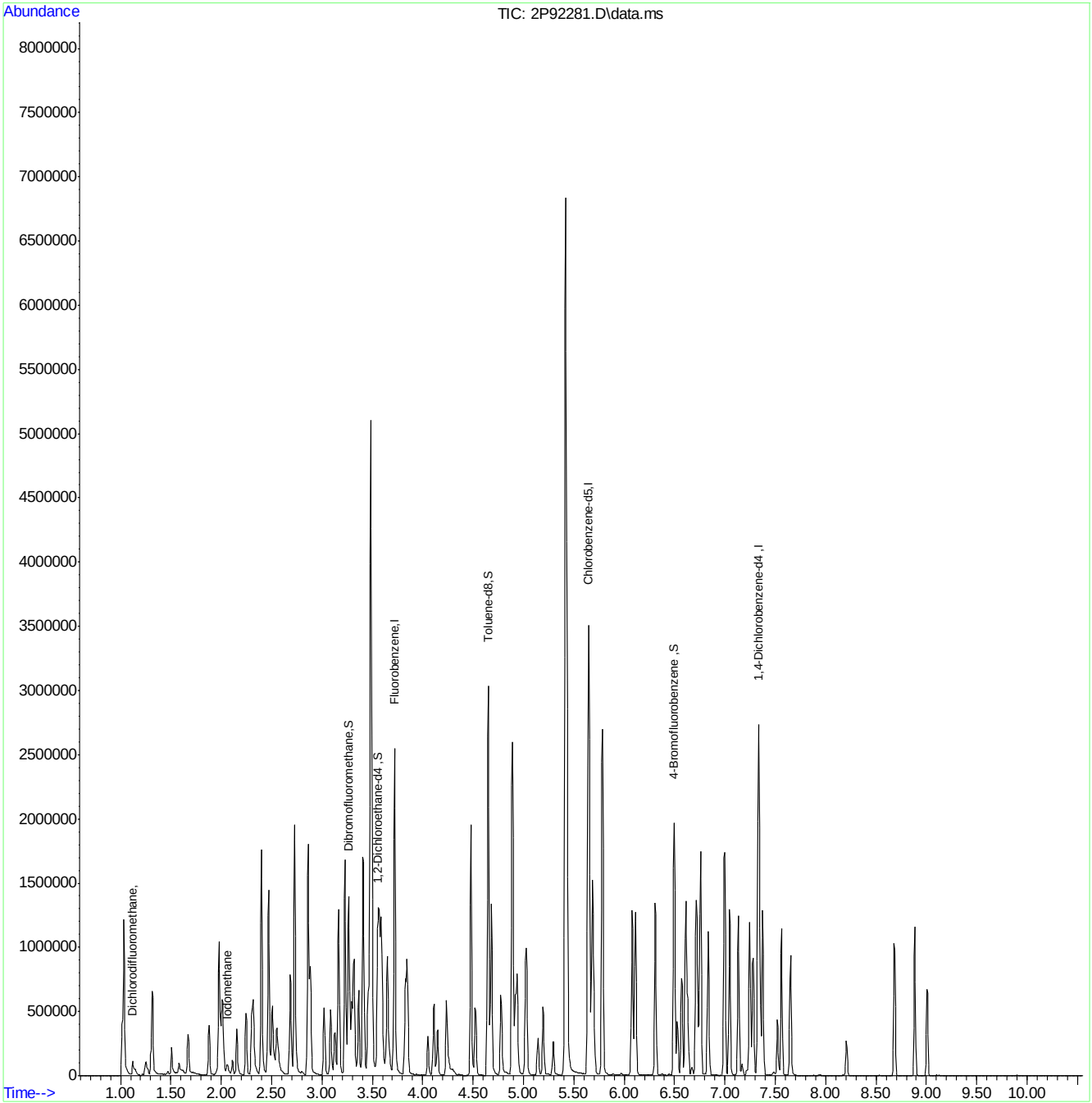
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1387054	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	968239	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.332	152	448068	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.265	113	297557	50.47	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.94%			
49) 1,2-Dichloroethane-d4	3.553	65	415478	50.74	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.48%			
63) Toluene-d8	4.650	98	1333699	50.06	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.12%			
86) 4-Bromofluorobenzene	6.496	174	341929	48.93	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.122	85	79604	21.31	ug/L	95
15) Iodomethane	2.057	142	62007	22.82	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92281.D
Acq On : 24 Aug 2022 2:41 pm
Operator : courtnef
Sample : ICV3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 24 15:19:03 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 14:37

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:19:20 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1241494	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	926048	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	436690	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.265	113	269198	51.02	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.04%			
49) 1,2-Dichloroethane-d4	3.553	65	365937	49.93	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.86%			
63) Toluene-d8	4.651	98	1218033	47.80	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.60%			
86) 4-Bromofluorobenzene	6.496	174	333607	48.98	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.122	85	198537	57.93	ug/L	100
3) Chloromethane	1.252	50	186026	49.12	ug/L	94
4) 1,3-butadiene	1.320	39	140692	39.98	ug/L	98
5) Vinyl Chloride	1.305	62	228206	49.45	ug/L	98
6) Bromomethane	1.509	94	106897	37.43	ug/L	97
7) Chloroethane	1.582	64	62324	42.22	ug/L	97
8) Trichlorofluoromethane	1.671	101	234957	59.13	ug/L	99
9) Ethyl Ether	1.880	59	188616	43.67	ug/L	98
10) Ethanol	1.974	45	120320	1000.34	ug/L	99
11) 1,2-Dichlorotrifluoroe...	1.979	67	184665	45.70	ug/L	97
12) 1,1-Dichloroethene	1.979	61	269864	45.73	ug/L	97
13) Freon 113	2.016	101	171935	45.04	ug/L	95
14) Carbon Disulfide	2.000	76	442833	43.11	ug/L	99
15) Iodomethane	2.063	142	83133	32.73	ug/L	98
16) Acrolein	2.157	56	357382	226.23	ug/L	99
17) Allyl chloride	2.246	41	186090	43.84	ug/L	94
18) Methylene Chloride	2.303	49	263418	42.67	ug/L	97
19) Acetone	2.319	43	631926	224.13	ug/L	98
20) Methyl acetate	2.397	43	1386320	239.99	ug/L	99
21) trans-1,2-Dichloroethene	2.403	61	268229	44.86	ug/L	98
22) Hexane	2.471	56	143554	46.55	ug/L	99
23) Methyl Tert Butyl Ether	2.471	73	613795	45.05	ug/L	98
24) Tert Butyl Alcohol	2.512	59	766240	454.68	ug/L	99
25) Acetonitrile	2.554	41	401222	419.72	ug/L	98
26) Di-isopropyl ether	2.685	45	577239	45.62	ug/L	98
27) Chloroprene	2.732	53	792951	44.00	ug/L	99
28) 1,1-Dichloroethane	2.732	63	354055	45.04	ug/L	99
29) Acrylonitrile	2.732	52	624799	219.27	ug/L	96
30) ETBE	2.884	59	675377	45.56	ug/L	100
31) Vinyl acetate	2.863	43	2244956	220.19	ug/L	99
32) cis-1,2-Dichloroethene	3.025	96	202914	43.28	ug/L	97
33) 2,2-Dichloropropane	3.087	77	281302	44.11	ug/L	100
34) Bromochloromethane	3.129	128	92609	43.70	ug/L	94
35) Cyclohexane	3.166	56	347166	45.60	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:19:20 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	3.171	83	358744	45.47	ug/L	98
37) Ethyl acetate	3.229	43	1720126	223.06	ug/L	100
38) Tetrahydrofuran	3.260	42	134801	45.78	ug/L	98
40) Carbon Tetrachloride	3.270	117	225717m	44.51	ug/L	
41) 1,1,1-Trichloroethane	3.297	97	308864	44.23	ug/L	99
42) 2-Butanone	3.317	43	1052144	219.71	ug/L	98
43) 1,1-Dichloropropene	3.365	75	270430	45.68	ug/L	96
44) tert-Butyl formate	3.412	59	745999	212.09	ug/L	98
45) Propionitrile	3.464	54	695629	458.34	ug/L	99
46) Methacrylonitrile	3.485	41	1874768	462.43	ug/L	99
47) Benzene	3.495	78	843610	44.64	ug/L	96
48) TAME	3.568	73	608870	45.18	ug/L	99
50) Isobutyl alcohol	3.589	43	769270m	990.79	ug/L	
51) 1,2-Dichloroethane	3.589	62	297836	44.03	ug/L	98
52) Tert Amyl Alcohol	3.652	59	642096	447.00	ug/L	98
53) Trichloroethene	3.825	95	208830	42.94	ug/L	97
54) Methylcyclohexane	3.845	83	308491	45.68	ug/L	98
55) Dibromomethane	4.049	93	118043	44.18	ug/L	97
56) 1,2-Dichloropropane	4.112	63	207911	45.29	ug/L	98
57) Bromodichloromethane	4.149	83	222680	42.96	ug/L	99
58) Methyl methacrylate	4.238	41	237278	44.59	ug/L	96
59) 1,4-Dioxane	4.259	88	133902	928.21	ug/L	99
60) 2-Chloroethyl vinyl ether	4.478	63	829699	217.26	ug/L	98
61) cis-1,3-Dichloropropene	4.520	75	290519	43.31	ug/L	95
64) Toluene	4.682	91	916910	41.94	ug/L	99
65) 2-Nitropropane	4.776	41	379222	208.76	ug/L	98
66) 4-Methyl-2-pentanone	4.891	43	1785300	211.67	ug/L	99
67) trans-1,3-Dichloropropene	4.917	75	269655	41.62	ug/L	87
68) Tetrachloroethene	4.938	166	198439	42.73	ug/L	97
69) Ethyl methacrylate	5.032	69	330199	41.67	ug/L	100
70) 1,1,2-Trichloroethane	5.022	83	157934	42.23	ug/L	98
71) Dibromochloromethane	5.142	129	171404	42.48	ug/L	99
72) 1,3-Dichloropropane	5.194	76	341548	41.08	ug/L	98
73) 1,2-Dibromoethane	5.294	107	196409	43.45	ug/L	90
74) 3,3-dimethyl-1-butanol	5.419	57	3976115	2109.89	ug/L	99
75) 2-hexanone	5.430	43	2054274	216.93	ug/L	99
76) 1-Chlorohexane	5.649	91	286598m	41.10	ug/L	
77) Ethylbenzene	5.686	91	1009527	42.10	ug/L	99
78) Chlorobenzene	5.654	112	550916	42.08	ug/L	99
79) 1,1,1,2-Tetrachloroethane	5.696	131	173488	41.15	ug/L	98
80) m,p-Xylene	5.785	91	1605897	84.69	ug/L	100
81) o-Xylene	6.078	91	796450	42.67	ug/L	99
82) Styrene	6.109	104	617177	43.23	ug/L	98
83) Bromoform	6.120	173	89884	40.87	ug/L	95
84) Isopropylbenzene	6.308	105	930628	43.22	ug/L	100
87) cis-1,4-Dichloro-2-butene	6.527	53	100341	39.25	ug/L	97
88) n-Propylbenzene	6.611	91	1104563	41.22	ug/L	100
89) Bromobenzene	6.569	156	222499	41.07	ug/L	99
90) 1,1,2,2-Tetrachloroethane	6.632	83	303208	41.95	ug/L	99
91) 1,3,5-Trimethylbenzene	6.758	105	771389	41.35	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:19:20 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

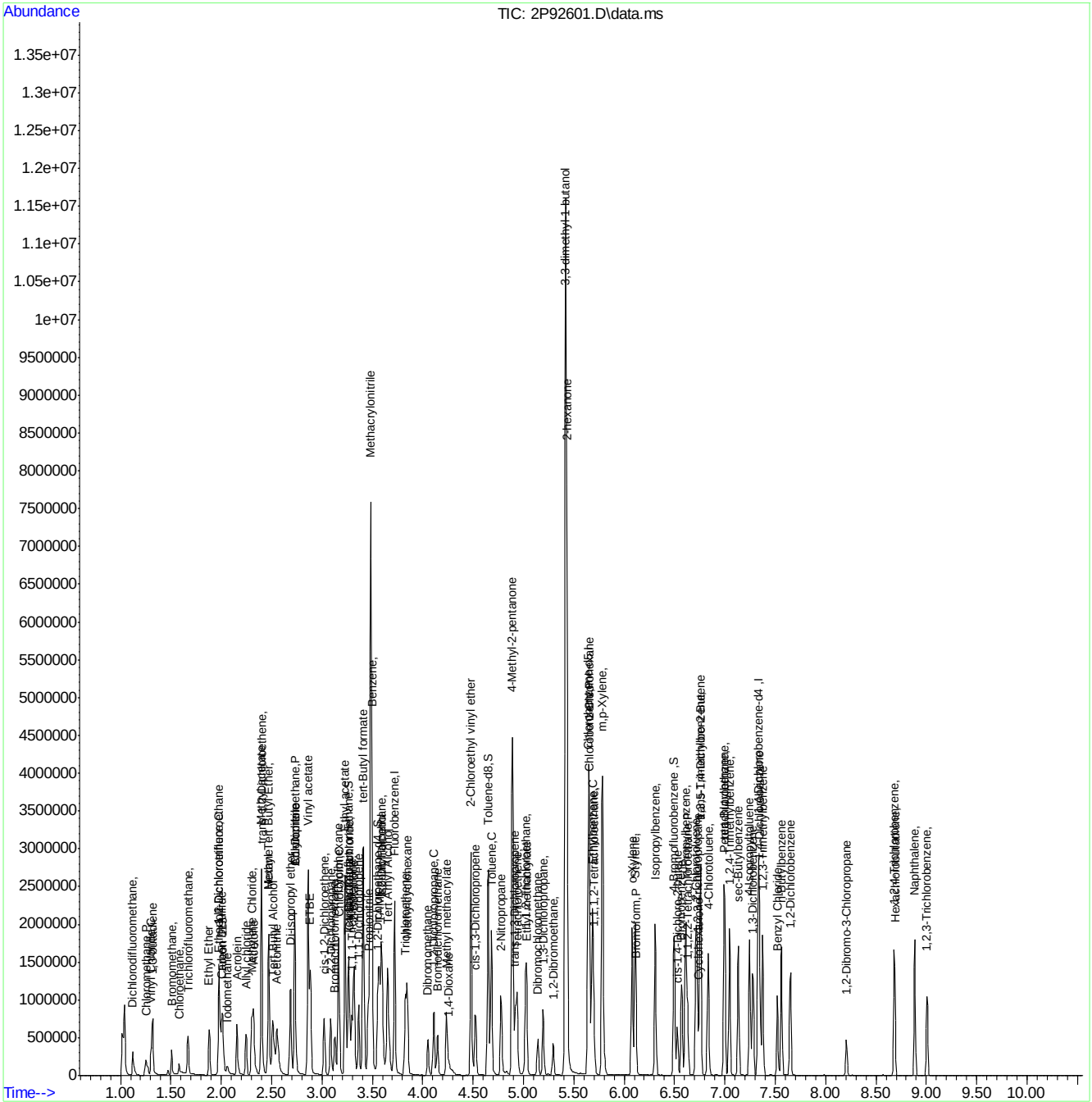
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.710	91	656365	40.59	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.758	53	124897	40.32	ug/L		95
94)	1,2,3-Trichloropropane	6.726	110	111314	41.29	ug/L		94
95)	Cyclohexanone	6.742	55	120471	213.43	ug/L		98
96)	4-Chlorotoluene	6.836	91	689032	40.43	ug/L		100
97)	tert-Butylbenzene	6.993	91	424158	41.41	ug/L		100
99)	1,2,4-Trimethylbenzene	7.045	105	748925	41.16	ug/L		100
100)	Pentachloroethane	6.998	167	100355	42.09	ug/L		99
101)	sec-Butylbenzene	7.134	105	838513	42.27	ug/L		99
102)	4-Isopropyltoluene	7.244	119	745557	41.30	ug/L		100
103)	1,3-Dichlorobenzene	7.280	146	403420	41.46	ug/L		99
104)	1,2,3-Trimethylbenzene	7.374	105	740667	40.58	ug/L		99
105)	1,4-Dichlorobenzene	7.343	146	414312	40.74	ug/L		99
106)	n-Butylbenzene	7.563	92	361159	40.87	ug/L		97
107)	Benzyl Chloride	7.521	126	93951	40.49	ug/L	#	91
108)	1,2-Dichlorobenzene	7.651	146	377892	41.37	ug/L		97
109)	1,2-Dibromo-3-Chloropr...	8.206	75	71375	41.14	ug/L		97
110)	Hexachlorobutadiene	8.687	225	73997	43.11	ug/L		95
111)	1,2,4-Trichlorobenzene	8.681	180	204932	42.18	ug/L		99
112)	Naphthalene	8.885	128	839621	40.48	ug/L		99
113)	1,2,3-Trichlorobenzene	9.006	180	190548	41.78	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:19:20 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

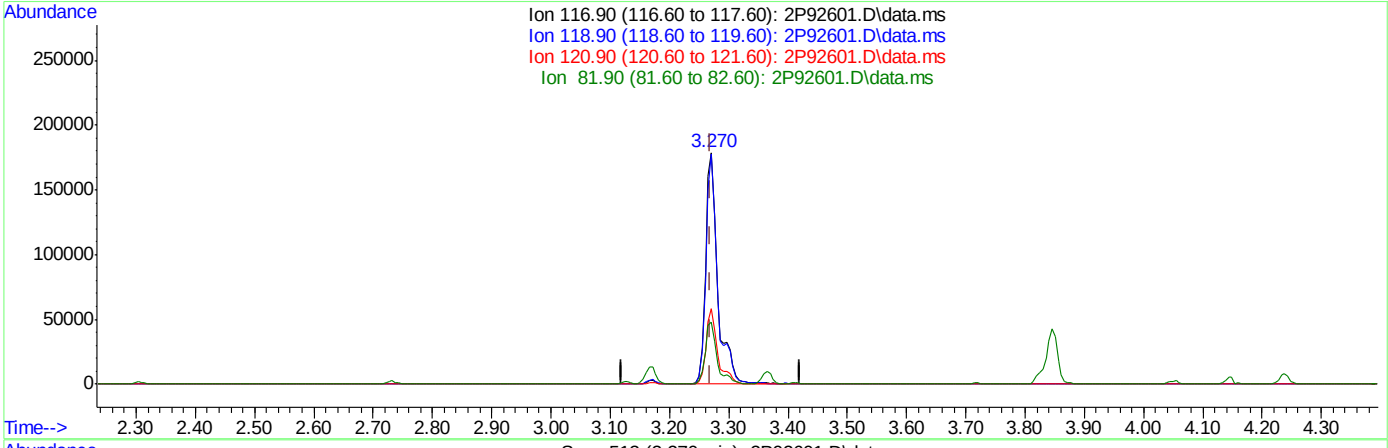
Sample Number: V2P3567-CC3560 **Method:** SW846 8260D
Lab FileID: 2P92601.D **Analyst approved:** 09/01/22 13:21 Courtney Failla
Injection Time: 09/01/22 13:04 **Supervisor approved:** 09/02/22 14:37 Karen Watson

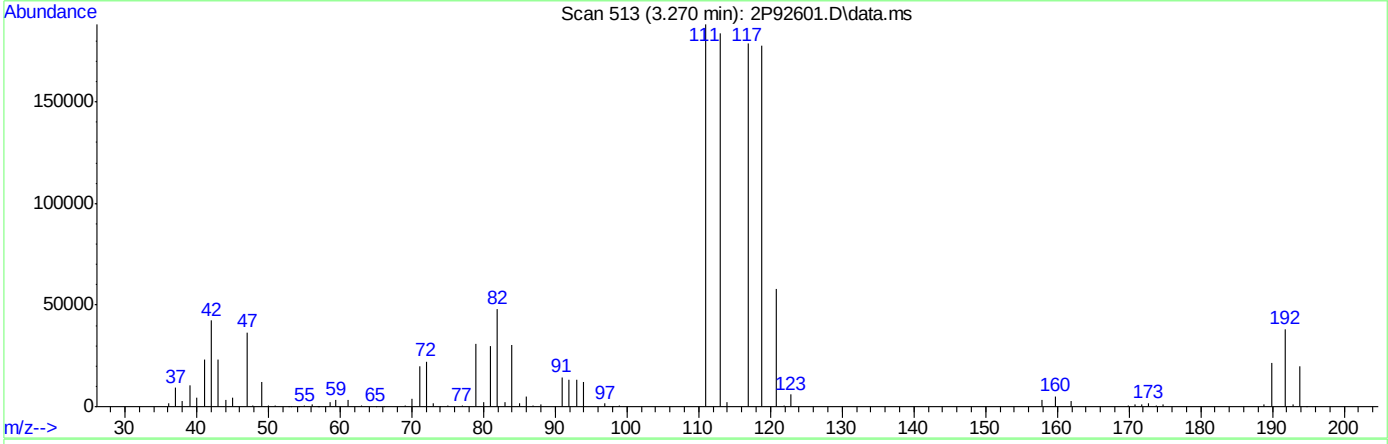
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (+0.000) 49.81ug/L

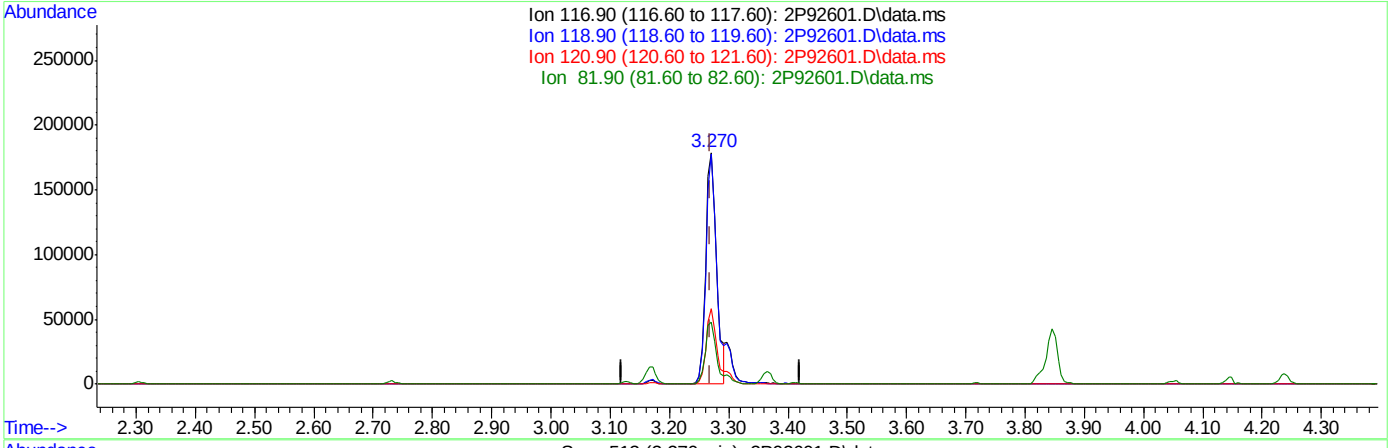
response 256801

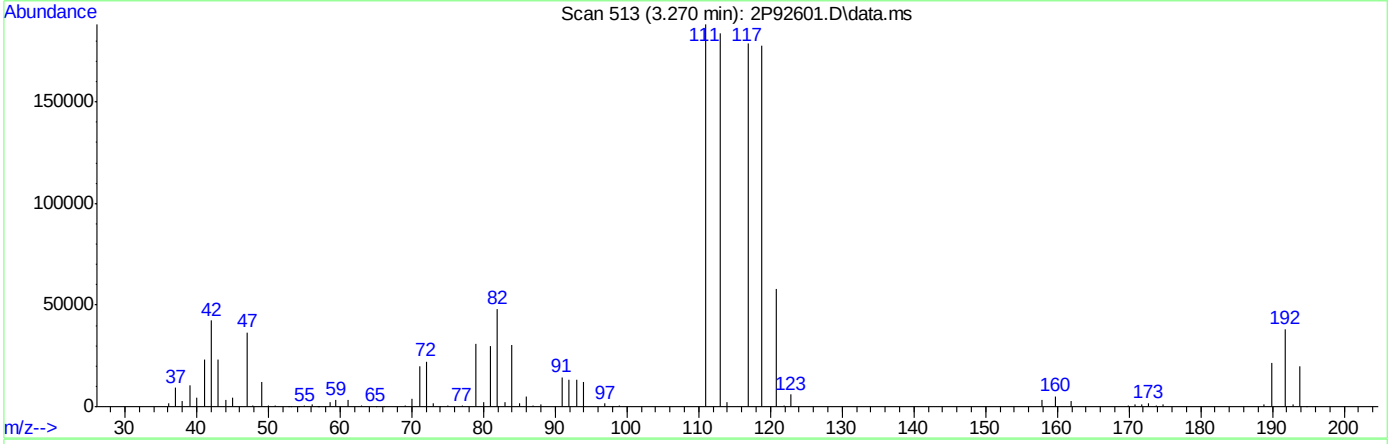
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.21
120.90	29.50	32.50
81.90	28.30	26.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (+0.000) 44.51ug/L m

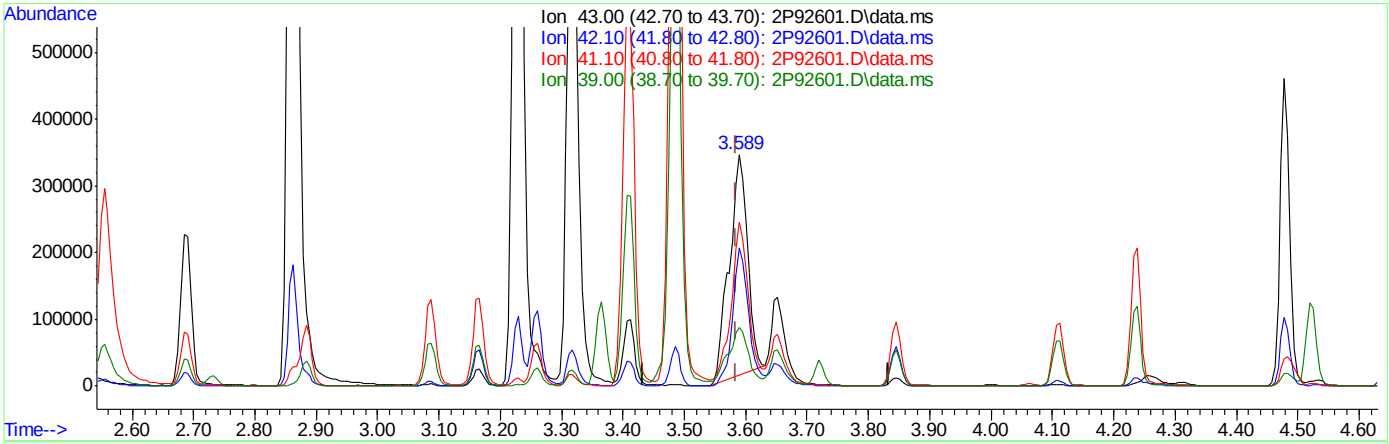
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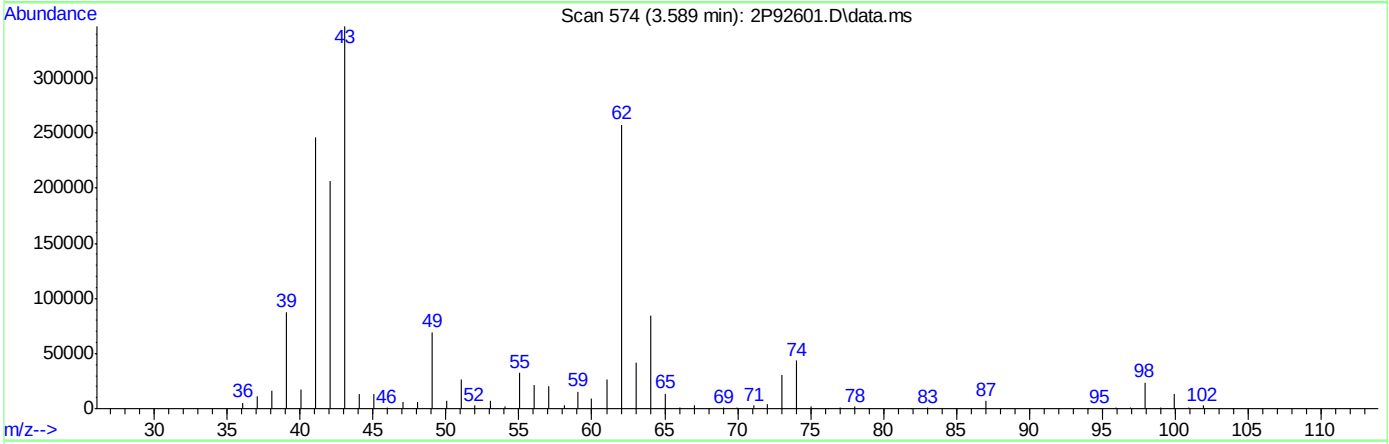
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.21
120.90	29.50	32.50
81.90	28.30	26.93

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 883.63ug/L

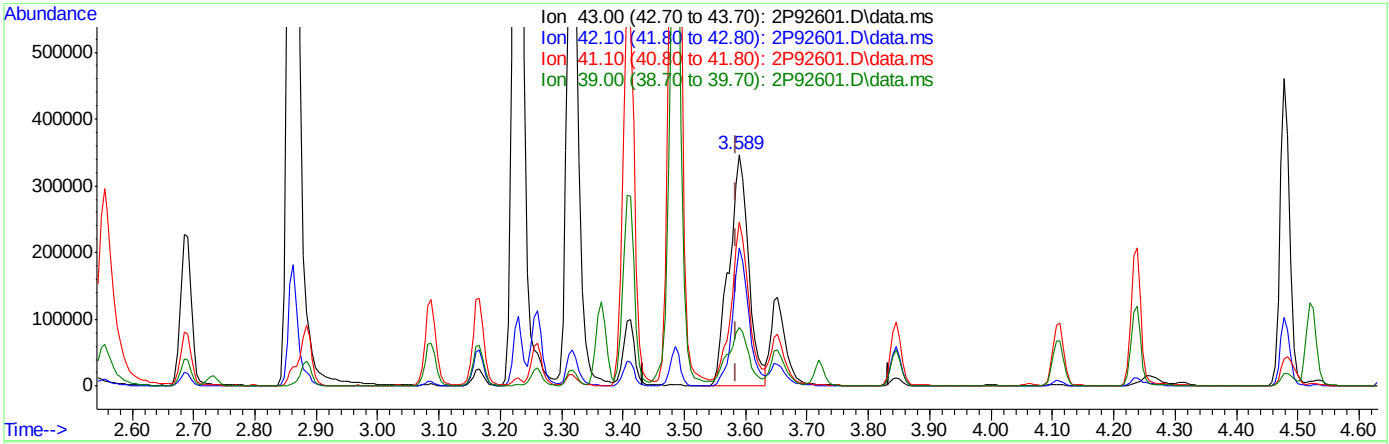
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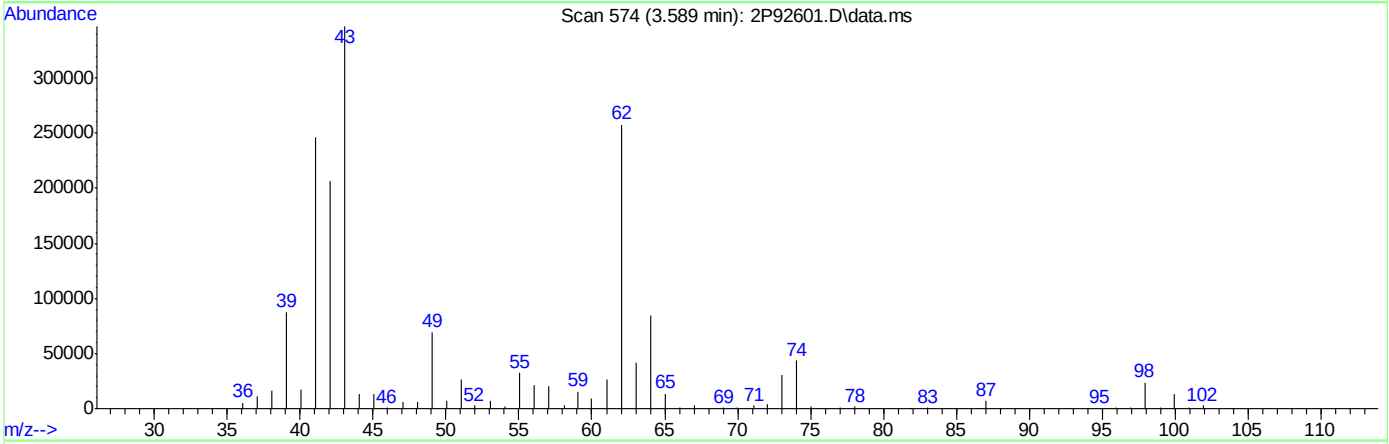
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	59.71
41.10	70.00	68.79
39.00	27.50	23.44

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 990.79ug/L m

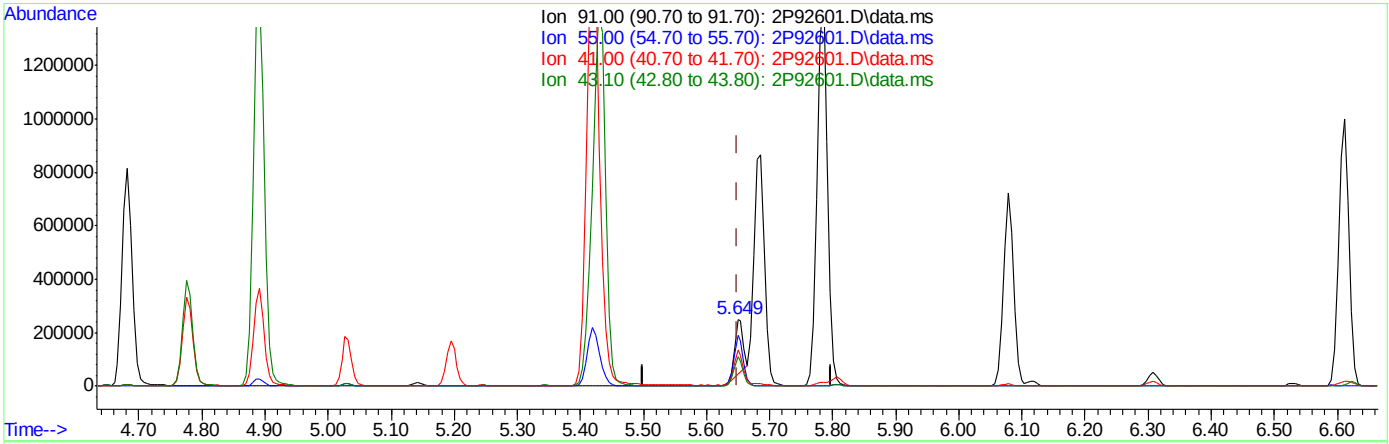
response 769270

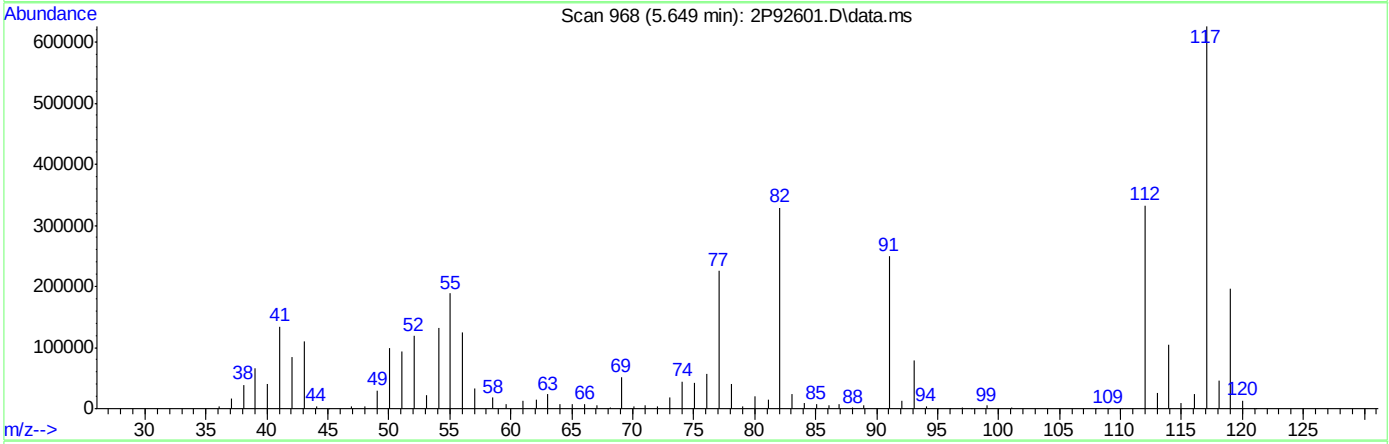
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	59.64
41.10	70.00	71.00
39.00	27.50	25.29

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 29.34ug/L

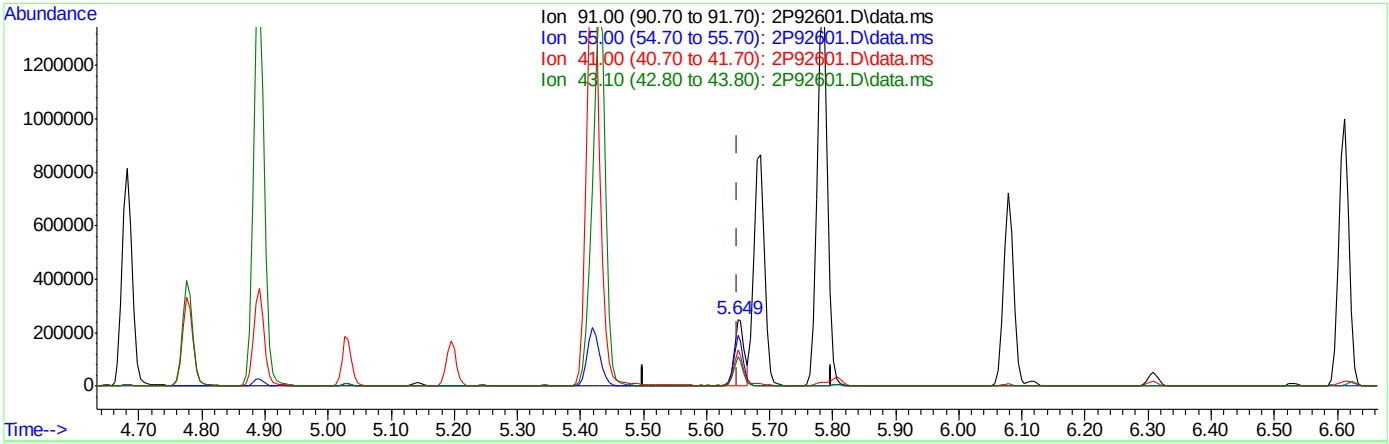
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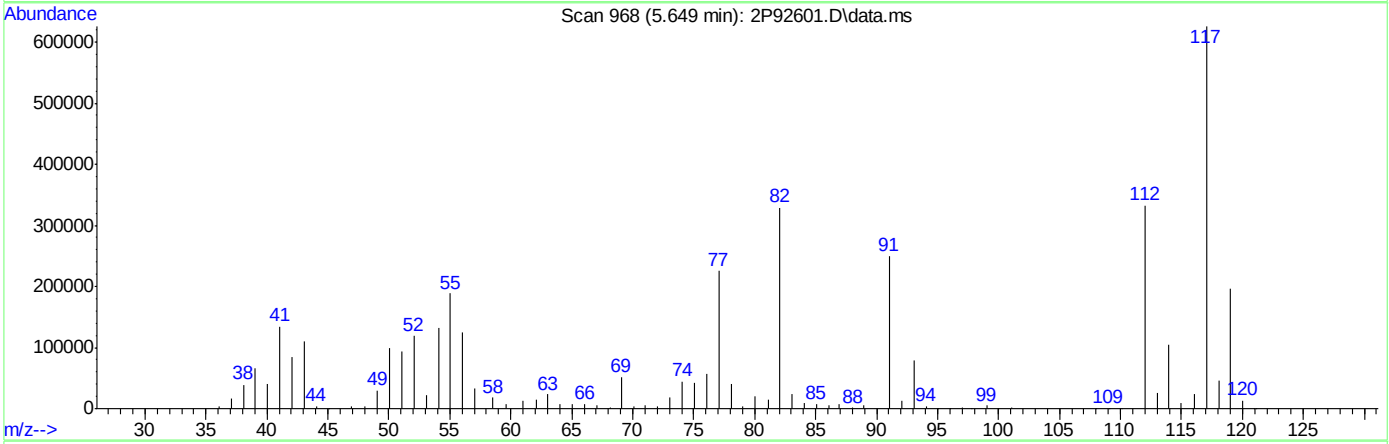
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	72.50
41.00	53.40	51.21
43.10	41.30	43.37

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 41.10ug/L m

response 286598

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	75.39
41.00	53.40	53.82
43.10	41.30	44.27

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 14:37

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 03:04:29 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.722	96	1271060	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.646	117	925295	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.334	152	422263	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.267	113	266110	49.26	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.52%		
49) 1,2-Dichloroethane-d4	3.555	65	366615	48.86	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	97.72%		
63) Toluene-d8	4.652	98	1233286	48.44	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	96.88%		
86) 4-Bromofluorobenzene	6.498	174	326125	49.52	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.04%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.129	85	206559	58.87	ug/L	98
3) Chloromethane	1.254	50	205942	53.12	ug/L	95
4) 1,3-butadiene	1.322	39	161417	44.80	ug/L	99
5) Vinyl Chloride	1.307	62	241737	51.16	ug/L	98
6) Bromomethane	1.510	94	115904	39.64	ug/L	98
7) Chloroethane	1.584	64	65553	43.47	ug/L	95
8) Trichlorofluoromethane	1.678	101	241635	59.69	ug/L	99
9) Ethyl Ether	1.882	59	195165	44.14	ug/L	97
10) Ethanol	1.976	45	123655	1004.85	ug/L	93
11) 1,2-Dichlorotrifluoroe...	1.981	67	192227	46.47	ug/L	99
12) 1,1-Dichloroethene	1.986	61	274030	45.36	ug/L	98
13) Freon 113	2.018	101	164173	42.25	ug/L	100
14) Carbon Disulfide	2.007	76	441949	42.17	ug/L	98
15) Iodomethane	2.065	142	152534	53.82	ug/L	99
16) Acrolein	2.159	56	340492	210.52	ug/L	100
17) Allyl chloride	2.253	41	181523	41.77	ug/L	92
18) Methylene Chloride	2.305	49	274172	43.45	ug/L	97
19) Acetone	2.321	43	648284	224.59	ug/L	99
20) Methyl acetate	2.399	43	1462454	247.28	ug/L	98
21) trans-1,2-Dichloroethene	2.404	61	277621	45.36	ug/L	99
22) Hexane	2.472	56	130456	41.99	ug/L	92
23) Methyl Tert Butyl Ether	2.472	73	624018	44.73	ug/L	95
24) Tert Butyl Alcohol	2.514	59	782222	453.37	ug/L	97
25) Acetonitrile	2.556	41	406885	415.74	ug/L	98
26) Di-isopropyl ether	2.687	45	616337	47.58	ug/L	96
27) Chloroprene	2.734	53	819861	44.44	ug/L	99
28) 1,1-Dichloroethane	2.734	63	365772	45.45	ug/L	99
29) Acrylonitrile	2.734	52	647442	221.93	ug/L	98
30) ETBE	2.885	59	695446	45.82	ug/L	99
31) Vinyl acetate	2.865	43	2278799	218.31	ug/L	98
32) cis-1,2-Dichloroethene	3.027	96	208212	43.37	ug/L	99
33) 2,2-Dichloropropane	3.089	77	226226	35.58	ug/L	99
34) Bromochloromethane	3.131	128	90773	41.83	ug/L	99
35) Cyclohexane	3.168	56	360572	46.19	ug/L	97
36) Chloroform	3.173	83	364116	45.08	ug/L	99
37) Ethyl acetate	3.230	43	1779741	225.42	ug/L	100
38) Tetrahydrofuran	3.262	42	142187	47.17	ug/L	96
40) Carbon Tetrachloride	3.272	117	224444m	43.38	ug/L	
41) 1,1,1-Trichloroethane	3.298	97	309924	43.43	ug/L	98
42) 2-Butanone	3.319	43	1080926	220.48	ug/L	98
43) 1,1-Dichloropropene	3.366	75	273596	45.14	ug/L	99
44) tert-Butyl formate	3.413	59	750210	208.88	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 03:04:29 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) Propionitrile	3.466	54	701137	451.23 ug/L		99
46) Methacrylonitrile	3.487	41	1891428	455.68 ug/L		99
47) Benzene	3.497	78	865486	44.74 ug/L		94
48) TAME	3.570	73	621343	45.03 ug/L		99
50) Isobutyl alcohol	3.591	43	764405m	961.62 ug/L		
51) 1,2-Dichloroethane	3.591	62	301389	43.52 ug/L		98
52) Tert Amyl Alcohol	3.654	59	650785	442.65 ug/L		98
53) Trichloroethene	3.826	95	210366	42.25 ug/L		96
54) Methylcyclohexane	3.847	83	304044	44.18 ug/L		98
55) Dibromomethane	4.051	93	119694	43.76 ug/L		96
56) 1,2-Dichloropropane	4.109	63	213343	45.39 ug/L		99
57) Bromodichloromethane	4.145	83	226219	42.67 ug/L		98
58) Methyl methacrylate	4.234	41	234245	43.14 ug/L		94
59) 1,4-Dioxane	4.260	88	134177	908.48 ug/L		96
60) 2-Chloroethyl vinyl ether	4.480	63	784820	200.73 ug/L		99
61) cis-1,3-Dichloropropene	4.522	75	286892	41.95 ug/L		96
64) Toluene	4.684	91	921241	42.17 ug/L		99
65) 2-Nitropropane	4.778	41	367076	203.35 ug/L		96
66) 4-Methyl-2-pentanone	4.893	43	1830294	217.19 ug/L		99
67) trans-1,3-Dichloropropene	4.919	75	265309	41.04 ug/L		88
68) Tetrachloroethene	4.940	166	209289	45.11 ug/L		98
69) Ethyl methacrylate	5.029	69	322869	40.85 ug/L		91
70) 1,1,2-Trichloroethane	5.024	83	162415	43.46 ug/L		97
71) Dibromochloromethane	5.144	129	164649	41.04 ug/L		99
72) 1,3-Dichloropropane	5.196	76	348224	41.92 ug/L		99
73) 1,2-Dibromoethane	5.296	107	198277	43.90 ug/L		93
74) 3,3-dimethyl-1-butanol	5.421	57	4025726	2137.72 ug/L		99
75) 2-hexanone	5.431	43	2085714	220.43 ug/L		91
76) 1-Chlorohexane	5.651	91	296207m	42.52 ug/L		
77) Ethylbenzene	5.682	91	1015173	42.37 ug/L		99
78) Chlorobenzene	5.656	112	550416	42.08 ug/L		98
79) 1,1,1,2-Tetrachloroethane	5.698	131	174227	41.34 ug/L		99
80) m,p-Xylene	5.782	91	1616887	85.34 ug/L		98
81) o-Xylene	6.080	91	801655	42.99 ug/L		99
82) Styrene	6.111	104	601977m	42.20 ug/L		
83) Bromoform	6.116	173	85211	39.11 ug/L		94
84) Isopropylbenzene	6.310	105	932805	43.36 ug/L		99
87) cis-1,4-Dichloro-2-butene	6.529	53	71825	30.12 ug/L		94
88) n-Propylbenzene	6.608	91	1095921	42.30 ug/L		99
89) Bromobenzene	6.571	156	220394	42.08 ug/L		95
90) 1,1,2,2-Tetrachloroethane	6.629	83	303586	43.44 ug/L		99
91) 1,3,5-Trimethylbenzene	6.759	105	772713	42.84 ug/L		99
92) 2-Chlorotoluene	6.712	91	661649	42.32 ug/L		98
93) trans-1,4-Dichloro-2-B...	6.759	53	103830	34.66 ug/L		95
94) 1,2,3-Trichloropropane	6.728	110	110139	42.25 ug/L		97
95) Cyclohexanone	6.744	55	120840	221.39 ug/L		98
96) 4-Chlorotoluene	6.833	91	684063	41.51 ug/L		96
97) tert-Butylbenzene	6.995	91	423770	42.78 ug/L		98
99) 1,2,4-Trimethylbenzene	7.047	105	746099	42.40 ug/L		99
100) Pentachloroethane	6.995	167	81235	36.11 ug/L	#	49
101) sec-Butylbenzene	7.131	105	825282	43.03 ug/L		99
102) 4-Isopropyltoluene	7.246	119	719590	41.23 ug/L		99
103) 1,3-Dichlorobenzene	7.277	146	391707	41.63 ug/L		97
104) 1,2,3-Trimethylbenzene	7.376	105	740550	41.96 ug/L		100
105) 1,4-Dichlorobenzene	7.345	146	401228	40.81 ug/L		99
106) n-Butylbenzene	7.559	92	344764	40.39 ug/L		94
107) Benzyl Chloride	7.523	126	59493	28.78 ug/L	#	92
108) 1,2-Dichlorobenzene	7.653	146	368859	41.76 ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 03:04:29 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

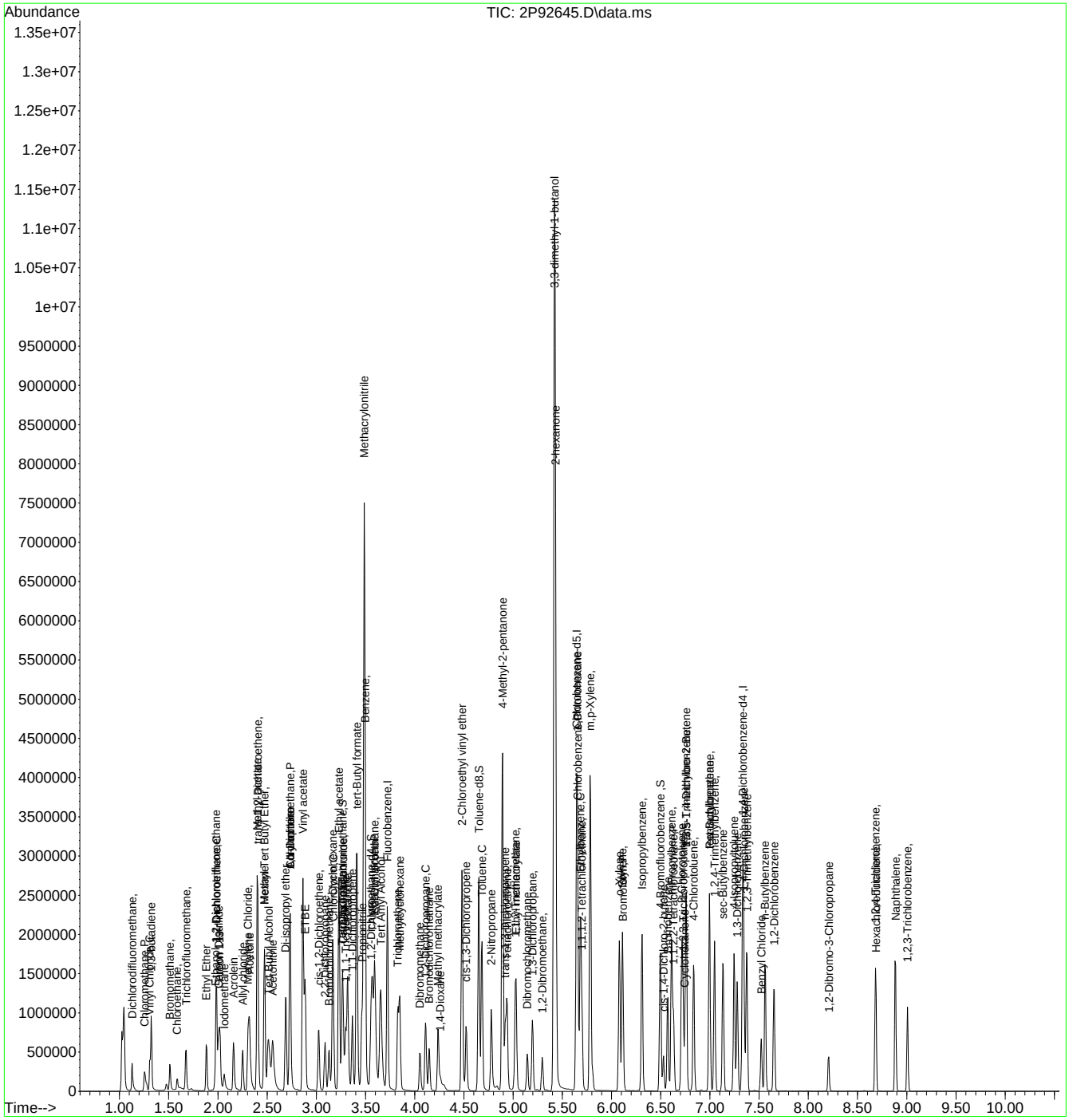
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.208	75	69374	41.32	ug/L	91
110) Hexachlorobutadiene	8.688	225	71374	43.02	ug/L	94
111) 1,2,4-Trichlorobenzene	8.683	180	193314	41.14	ug/L	97
112) Naphthalene	8.887	128	828367	41.23	ug/L	99
113) 1,2,3-Trichlorobenzene	9.007	180	184306	41.79	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 03:04:29 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

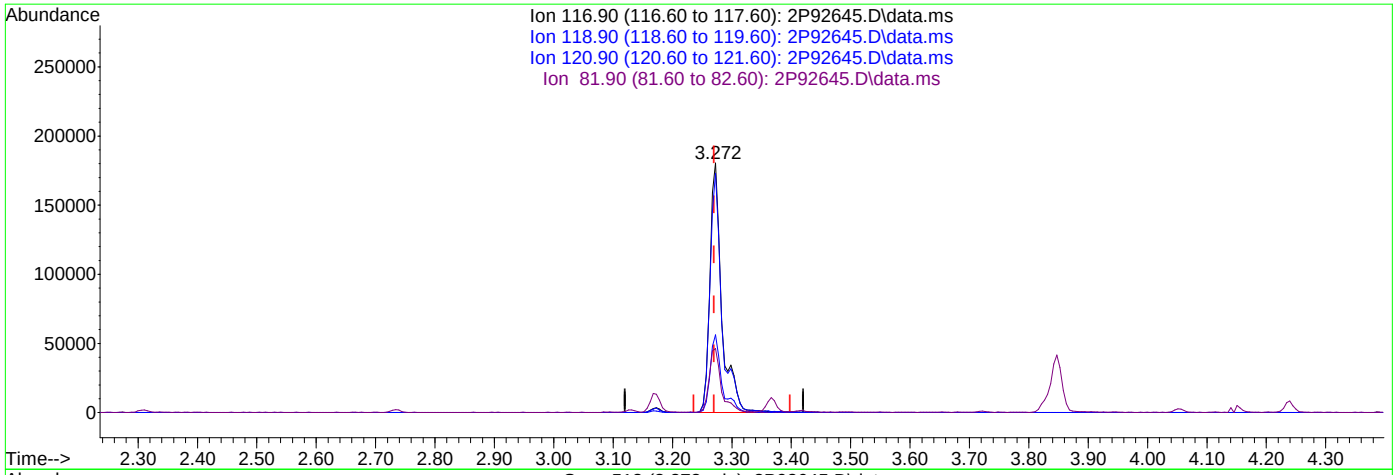
Sample Number: V2P3567-ECC3560 **Method:** SW846 8260D
Lab FileID: 2P92645.D **Analyst approved:** 09/02/22 03:14 Antonette Clutario
Injection Time: 09/02/22 00:50 **Supervisor approved:** 09/02/22 14:37 Karen Watson

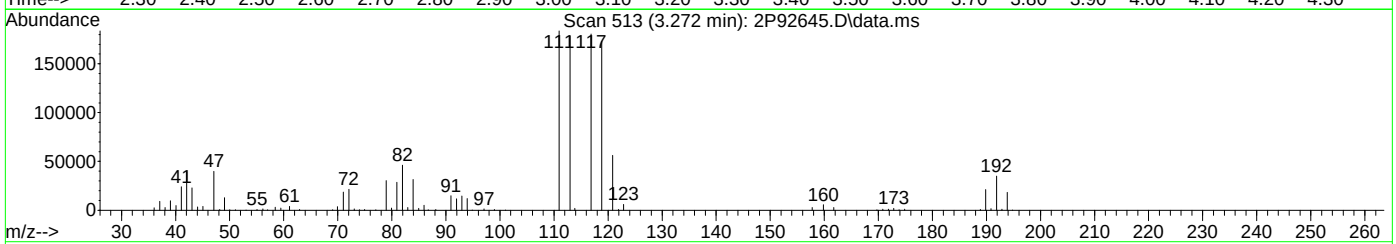
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration
Styrene	100-42-5		6.11	Overlapping peak

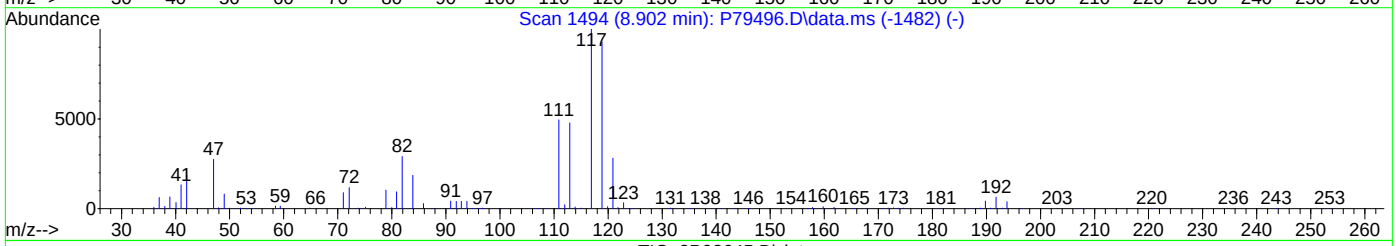
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 02:25:13 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92645.D\data.ms

(40) Carbon Tetrachloride ( )

3.272min (+0.002) 48.65ug/L

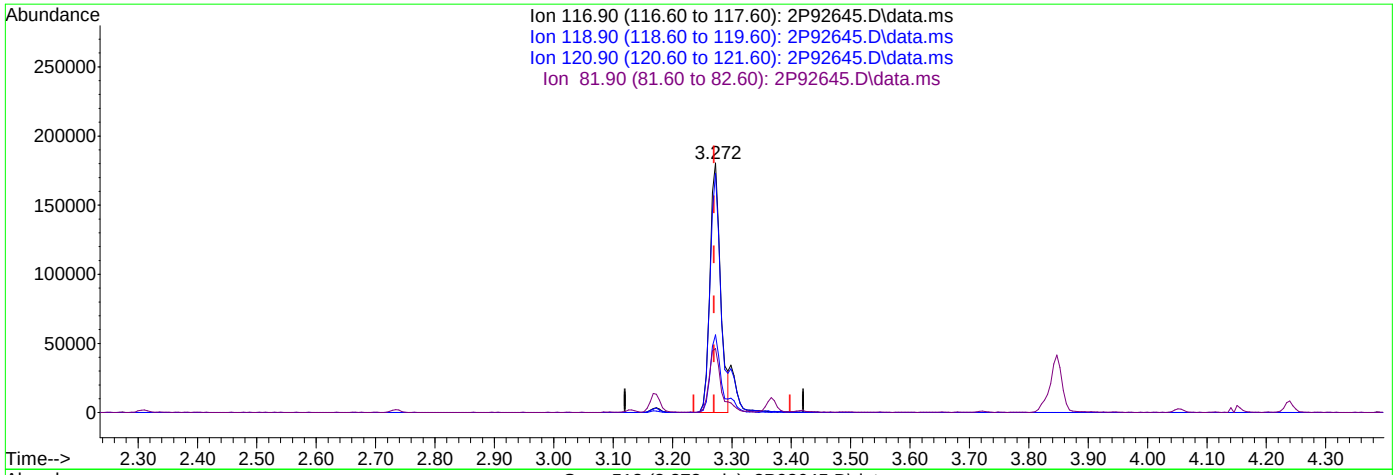
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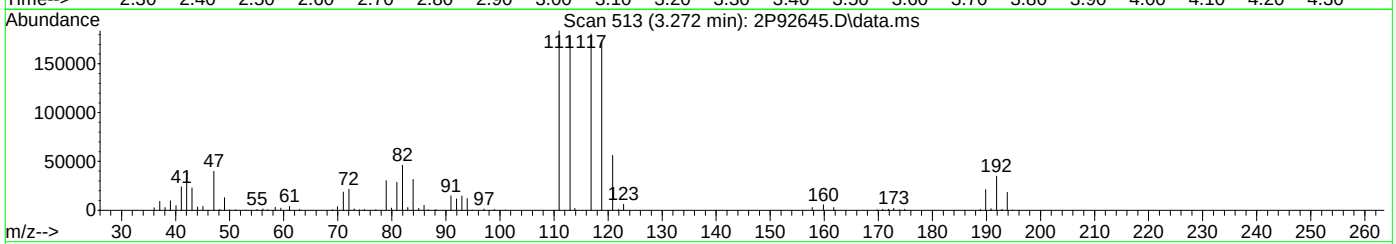
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	95.82
120.90	29.50	31.13
81.90	28.30	25.50

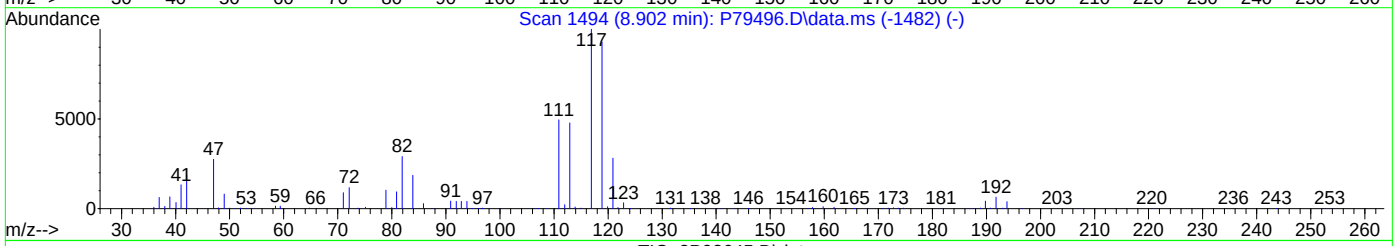
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 02:25:13 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92645.D\data.ms

(40) Carbon Tetrachloride ( )

3.272min (+0.002) 43.38ug/L m

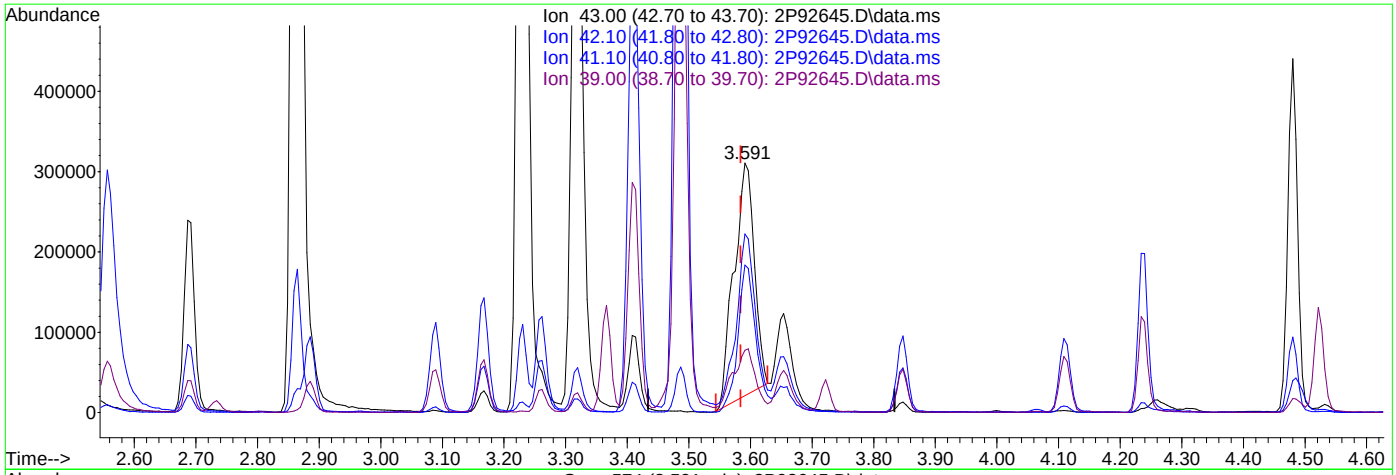
response 224444

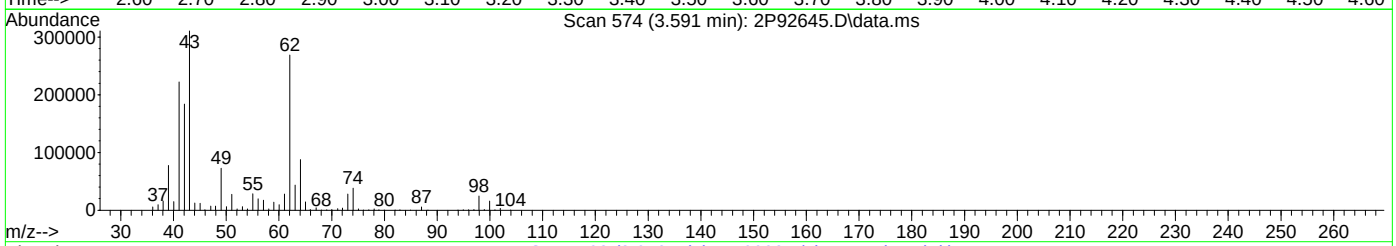
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	95.82
120.90	29.50	31.13
81.90	28.30	25.61

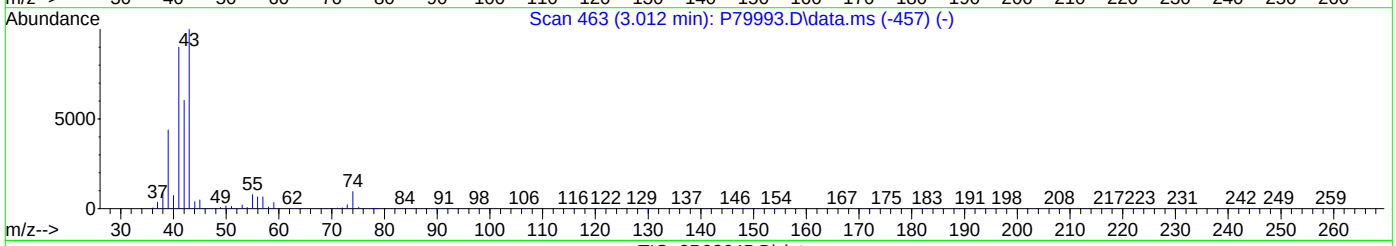
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 02:25:13 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92645.D\data.ms

(50) Isobutyl alcohol

3.591min (+0.007) 842.65ug/L

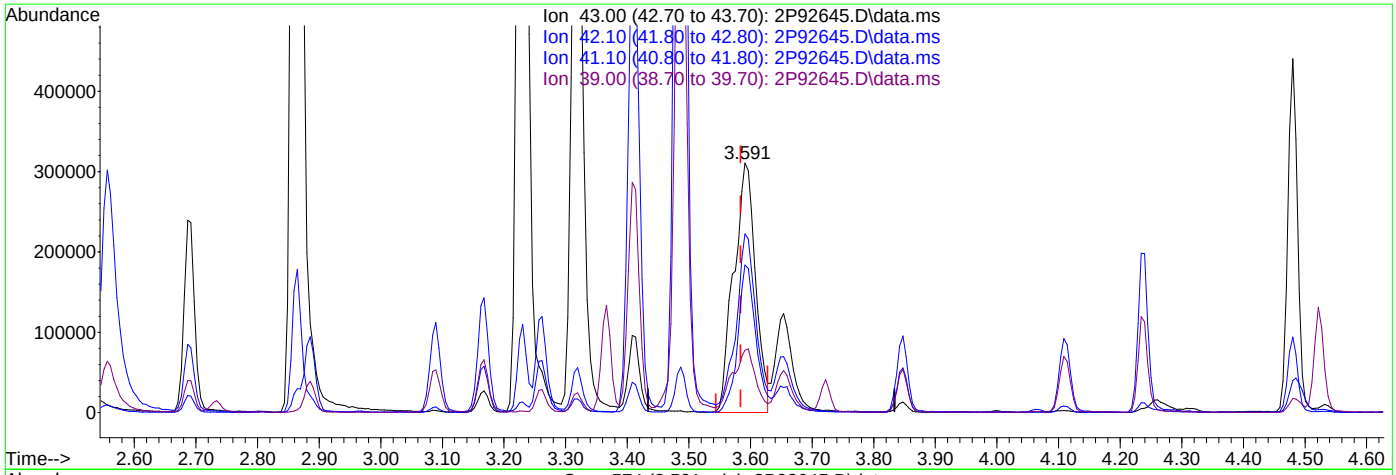
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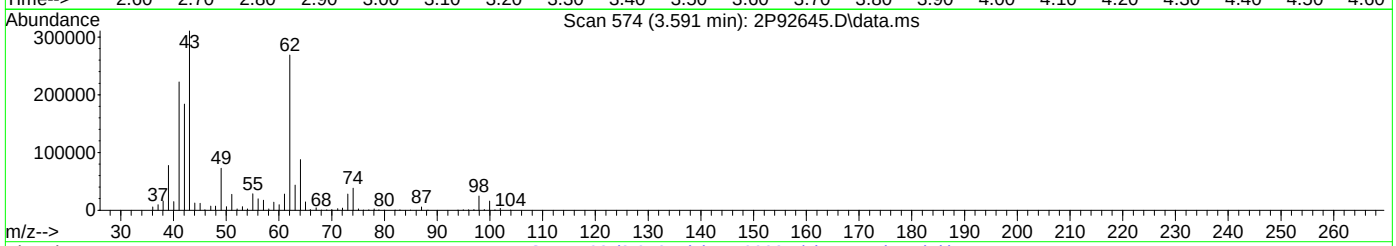
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	59.20
41.10	70.00	68.76
39.00	27.50	23.02

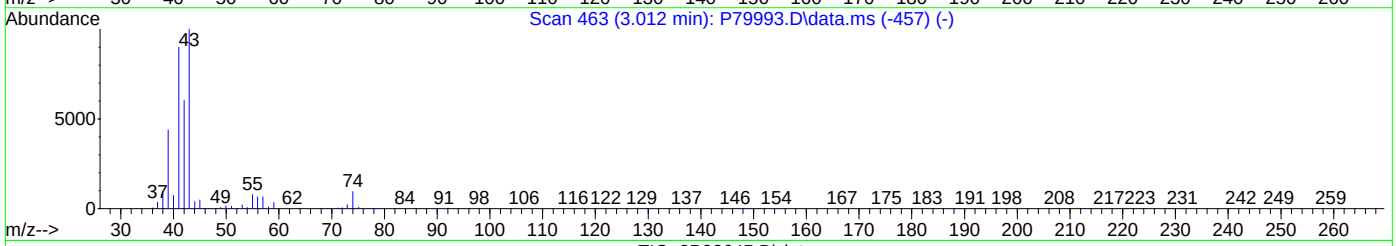
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 02:25:13 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92645.D\data.ms

(50) Isobutyl alcohol

3.591min (+0.007) 961.62ug/L m

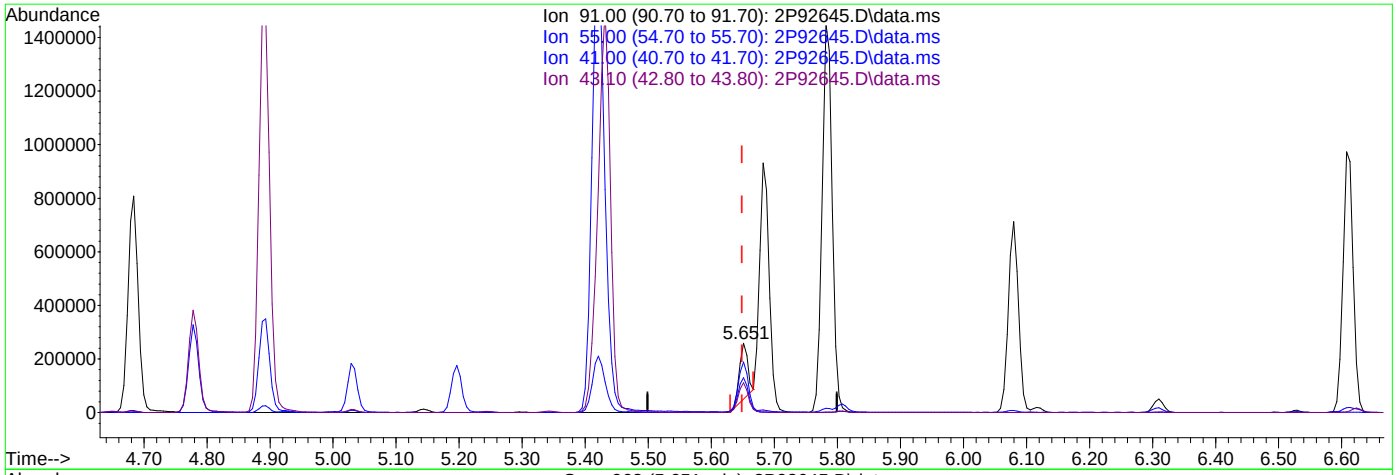
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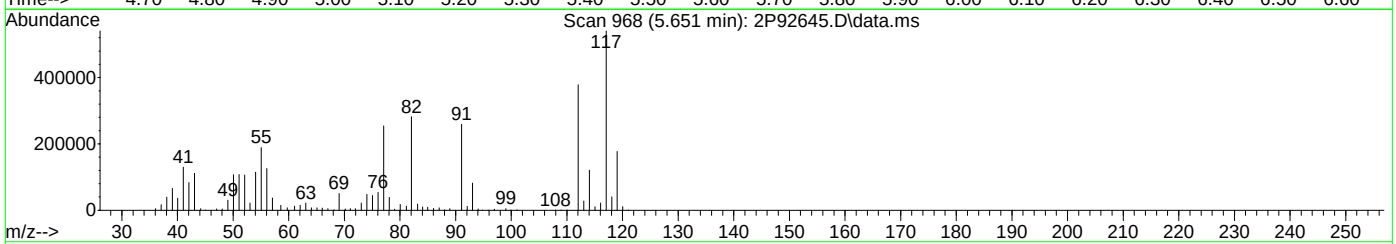
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	59.09
41.10	70.00	71.53
39.00	27.50	24.99

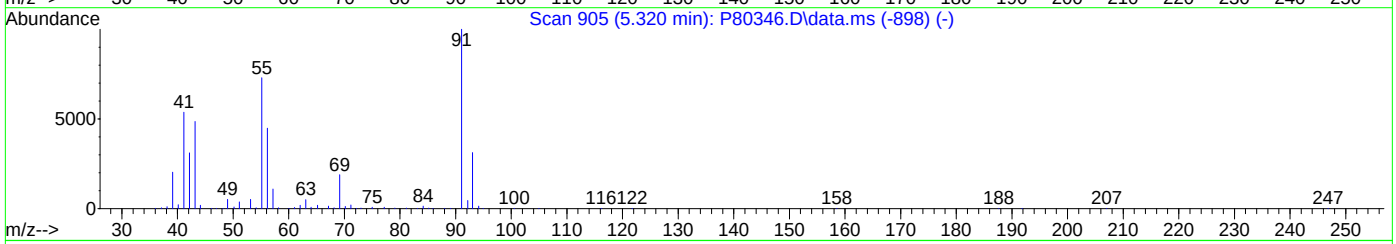
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 02:25:13 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92645.D\data.ms

(76) 1-Chlorohexane

5.651min (+0.002) 28.51ug/L

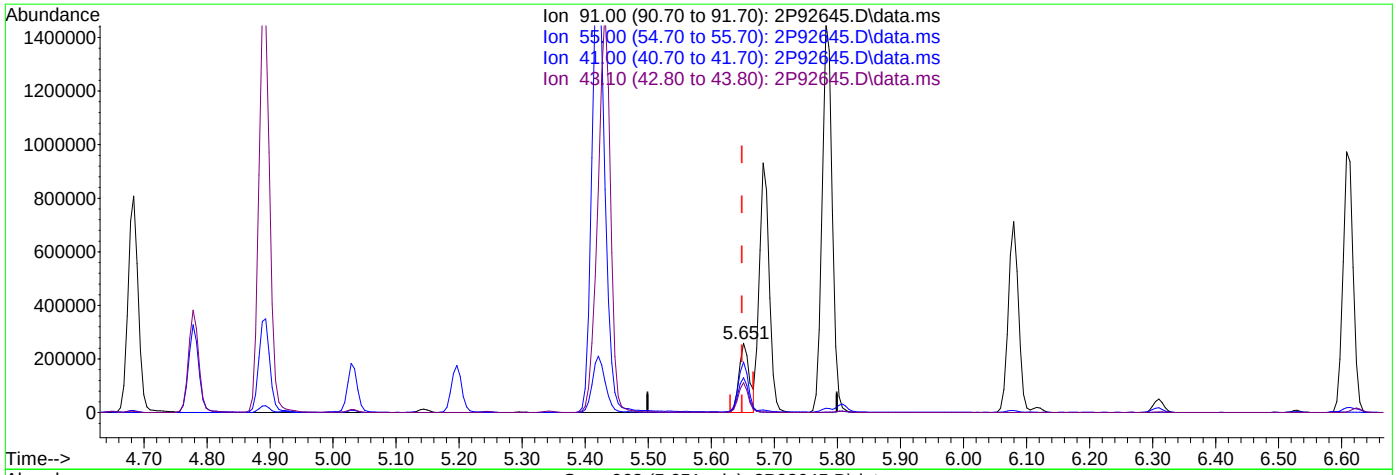
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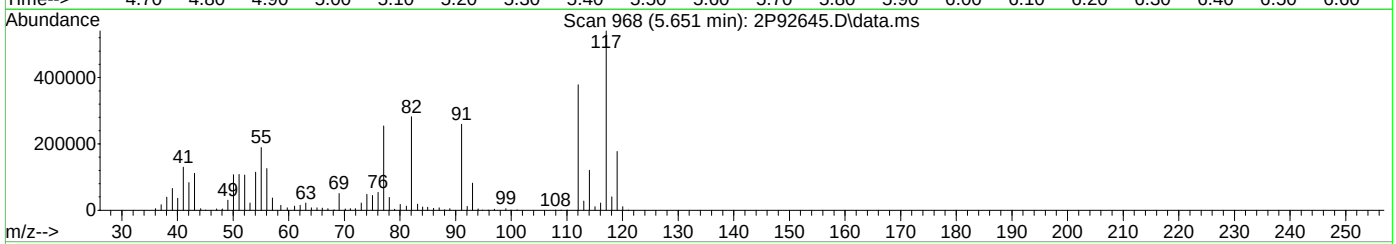
Ion	Exp%	Act%
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55.00	75.60	71.80
41.00	53.40	48.72
43.10	41.30	42.33

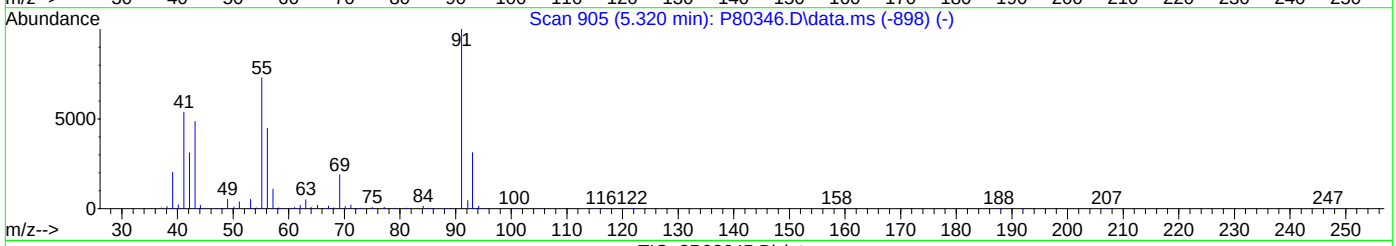
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 02:25:13 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92645.D\data.ms

(76) 1-Chlorohexane

5.651min (+0.002) 42.52ug/L m

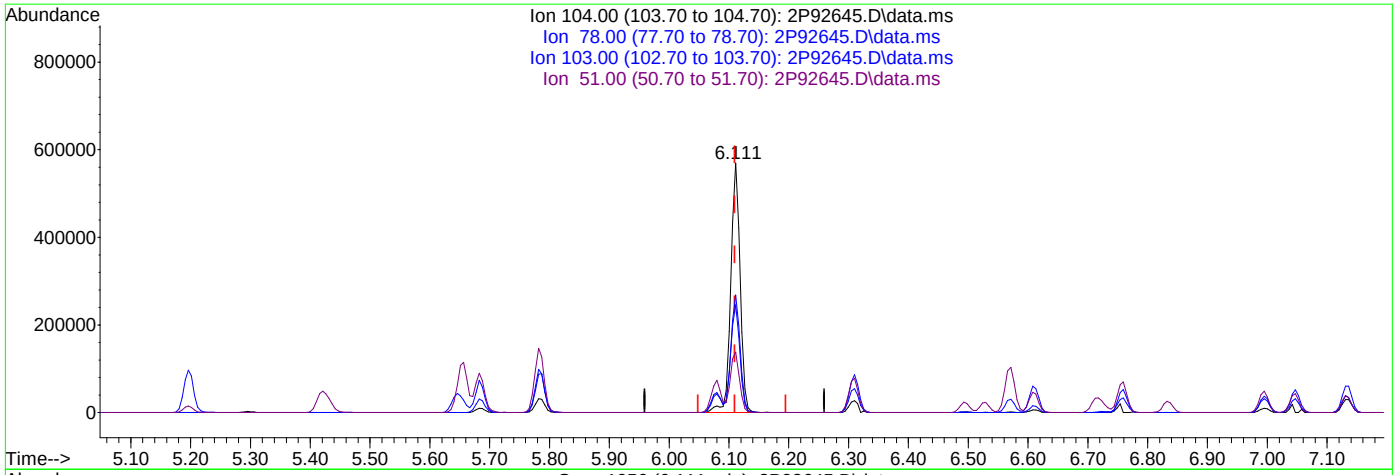
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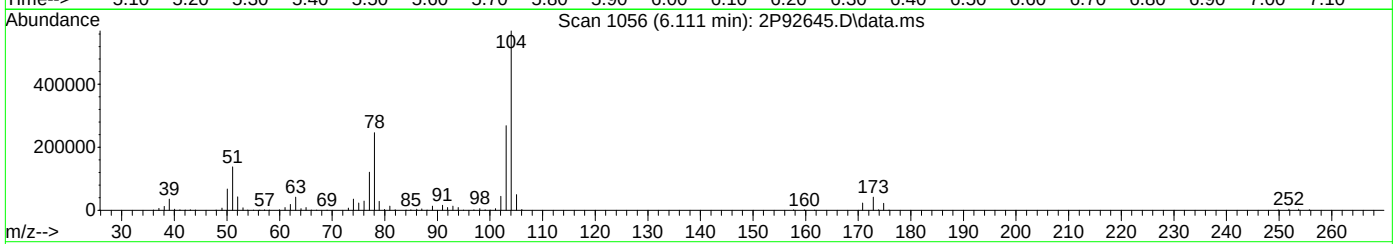
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	72.97
41.00	53.40	50.21
43.10	41.30	43.02

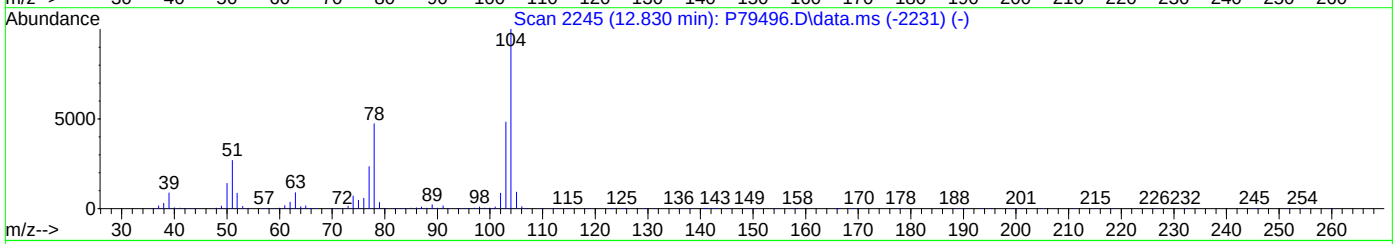
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 02:25:13 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92645.D\data.ms

(82) Styrene ( )

6.111min (+0.002) 43.55ug/L

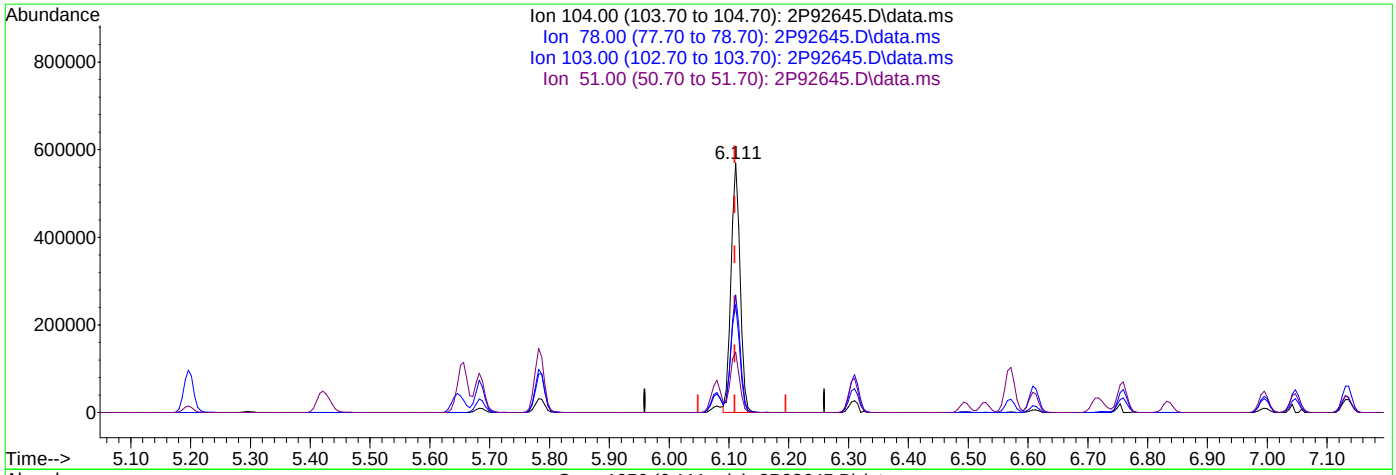
response 621249

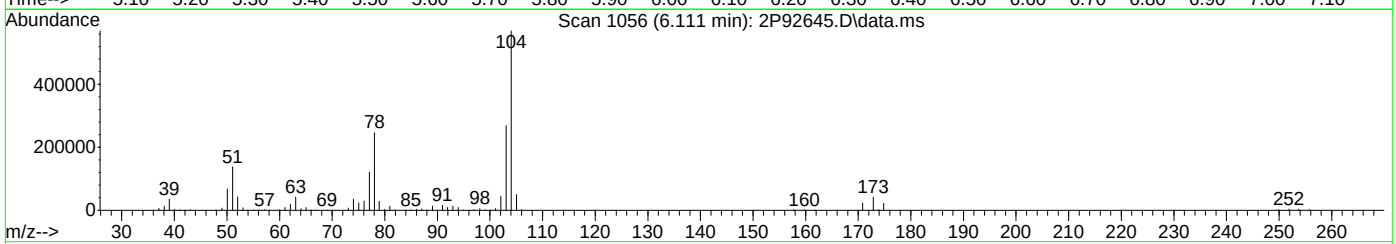
Ion	Exp%	Act%
104.00	100	100
78.00	43.70	43.14
103.00	48.00	47.10
51.00	24.10	24.14

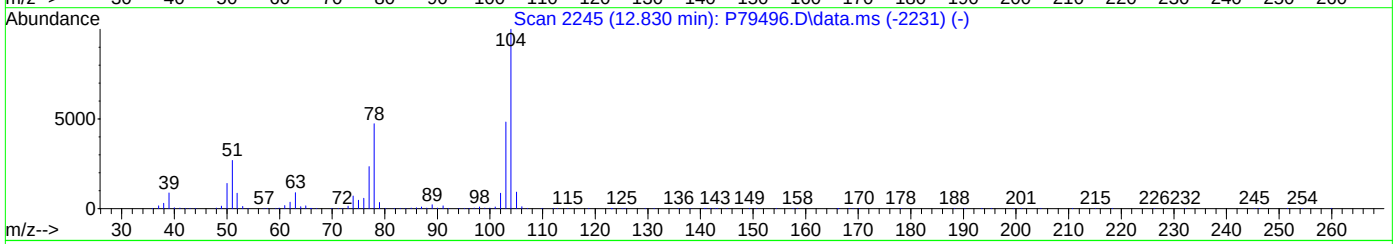
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 02:25:13 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92645.D\data.ms

(82) Styrene ( )

6.111min (+0.002) 42.20ug/L m

response 601977

Ion	Exp%	Act%
104.00	100	100
78.00	43.70	43.14
103.00	48.00	47.10
51.00	24.10	24.14

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:43:20 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.723	96	1185534	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.642	117	897620	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.331	152	432831	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.268	113	260809	51.76	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.52%			
49) 1,2-Dichloroethane-d4	3.551	65	352081	50.31	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.62%			
63) Toluene-d8	4.649	98	1167247	47.26	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.52%			
86) 4-Bromofluorobenzene	6.494	174	330825	49.00	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.125	85	204870	62.60	ug/L	100
3) Chloromethane	1.250	50	187480	51.85	ug/L	93
4) 1,3-butadiene	1.318	39	104715	31.16	ug/L	97
5) Vinyl Chloride	1.308	62	239130	54.26	ug/L	100
6) Bromomethane	1.512	94	104930	38.47	ug/L	97
7) Chloroethane	1.585	64	61951	44.09	ug/L	96
8) Trichlorofluoromethane	1.674	101	235037	65.74	ug/L	100
9) Ethyl Ether	1.883	59	187310	45.42	ug/L	98
10) Ethanol	1.972	45	109933	949.66	ug/L	97
11) 1,2-Dichlorotrifluoroe...	1.977	67	181669	47.08	ug/L	98
12) 1,1-Dichloroethene	1.982	61	262111	46.51	ug/L	98
13) Freon 113	2.019	101	166739	45.68	ug/L	96
14) Carbon Disulfide	2.003	76	423955	43.20	ug/L	98
15) Iodomethane	2.061	142	105167	41.76	ug/L	97
16) Acrolein	2.160	56	362462	240.28	ug/L	99
17) Allyl chloride	2.249	41	168963	41.68	ug/L	95
18) Methylene Chloride	2.306	49	246698	41.76	ug/L	97
19) Acetone	2.322	43	588407	218.37	ug/L	99
20) Methyl acetate	2.401	43	1335245	242.06	ug/L	99
21) trans-1,2-Dichloroethene	2.406	61	261685	45.84	ug/L	94
22) Hexane	2.468	56	137948	46.80	ug/L	98
23) Methyl Tert Butyl Ether	2.474	73	603117	46.35	ug/L	90
24) Tert Butyl Alcohol	2.510	59	742456	461.36	ug/L	99
25) Acetonitrile	2.557	41	364034	398.79	ug/L	99
26) Di-isopropyl ether	2.688	45	569799	47.16	ug/L	97
27) Chloroprene	2.730	53	763083	44.34	ug/L	99
28) 1,1-Dichloroethane	2.730	63	344469	45.89	ug/L	98
29) Acrylonitrile	2.730	52	603983	221.97	ug/L	99
30) ETBE	2.887	59	661565	46.74	ug/L	98
31) Vinyl acetate	2.861	43	2151981	221.04	ug/L	99
32) cis-1,2-Dichloroethene	3.023	96	203215	45.39	ug/L	99
33) 2,2-Dichloropropane	3.085	77	272070	44.61	ug/L	100
34) Bromochloromethane	3.127	128	91733	45.32	ug/L	96
35) Cyclohexane	3.164	56	336817	46.26	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:43:20 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.169	83	352198	46.75	ug/L		96
37) Ethyl acetate	3.227	43	1668115	226.53	ug/L		99
38) Tetrahydrofuran	3.258	42	133458	47.47	ug/L		95
40) Carbon Tetrachloride	3.268	117	218696m	45.08	ug/L		
41) 1,1,1-Trichloroethane	3.295	97	303973	45.46	ug/L		99
42) 2-Butanone	3.315	43	1006551	220.12	ug/L		98
43) 1,1-Dichloropropene	3.368	75	263737	46.65	ug/L		96
44) tert-Butyl formate	3.410	59	775480	227.96	ug/L		98
45) Propionitrile	3.462	54	642009	442.98	ug/L		99
46) Methacrylonitrile	3.483	41	1727009	446.09	ug/L		98
47) Benzene	3.498	78	834080	46.22	ug/L		83
48) TAME	3.566	73	608442	47.28	ug/L		99
50) Isobutyl alcohol	3.587	43	709989m	957.60	ug/L		
51) 1,2-Dichloroethane	3.592	62	288808	44.71	ug/L		98
52) Tert Amyl Alcohol	3.650	59	622859	453.85	ug/L		99
53) Trichloroethene	3.828	95	207074	44.59	ug/L		98
54) Methylcyclohexane	3.849	83	303746	46.92	ug/L		97
55) Dibromomethane	4.053	93	118371	46.40	ug/L		90
56) 1,2-Dichloropropane	4.110	63	204250	46.59	ug/L		99
57) Bromodichloromethane	4.147	83	223487	44.85	ug/L		99
58) Methyl methacrylate	4.236	41	217776	43.02	ug/L		96
59) 1,4-Dioxane	4.256	88	129822	942.41	ug/L		98
60) 2-Chloroethyl vinyl ether	4.481	63	808540	221.72	ug/L		98
61) cis-1,3-Dichloropropene	4.523	75	289684	44.98	ug/L		100
64) Toluene	4.680	91	895181	42.24	ug/L		99
65) 2-Nitropropane	4.779	41	366909	208.44	ug/L		98
66) 4-Methyl-2-pentanone	4.889	43	1711854	209.39	ug/L		99
67) trans-1,3-Dichloropropene	4.920	75	266469	42.35	ug/L		86
68) Tetrachloroethene	4.936	166	199013	44.22	ug/L		98
69) Ethyl methacrylate	5.030	69	308474	40.28	ug/L		97
70) 1,1,2-Trichloroethane	5.020	83	156700	43.22	ug/L		97
71) Dibromochloromethane	5.145	129	171123	43.58	ug/L		96
72) 1,3-Dichloropropane	5.197	76	342300	42.47	ug/L		97
73) 1,2-Dibromoethane	5.297	107	193772	44.22	ug/L		92
74) 3,3-dimethyl-1-butanol	5.417	57	3977572	2176.94	ug/L		99
75) 2-hexanone	5.433	43	1992965	217.13	ug/L	#	77
76) 1-Chlorohexane	5.652	91	273596m	40.48	ug/L		
77) Ethylbenzene	5.684	91	1013902	43.63	ug/L		99
78) Chlorobenzene	5.658	112	546856	43.09	ug/L		95
79) 1,1,1,2-Tetrachloroethane	5.699	131	176720	43.04	ug/L		97
80) m,p-Xylene	5.783	91	1592453	86.64	ug/L		100
81) o-Xylene	6.081	91	783430	43.31	ug/L		99
82) Styrene	6.112	104	619859	44.80	ug/L		97
83) Bromoform	6.118	173	94076	43.57	ug/L		97
84) Isopropylbenzene	6.311	105	925284	44.33	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.525	53	95556	37.91	ug/L		93
88) n-Propylbenzene	6.609	91	1089131	41.01	ug/L		100
89) Bromobenzene	6.572	156	225969	42.09	ug/L		88
90) 1,1,2,2-Tetrachloroethane	6.630	83	299642	41.82	ug/L		97
91) 1,3,5-Trimethylbenzene	6.755	105	772463	41.78	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:43:20 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

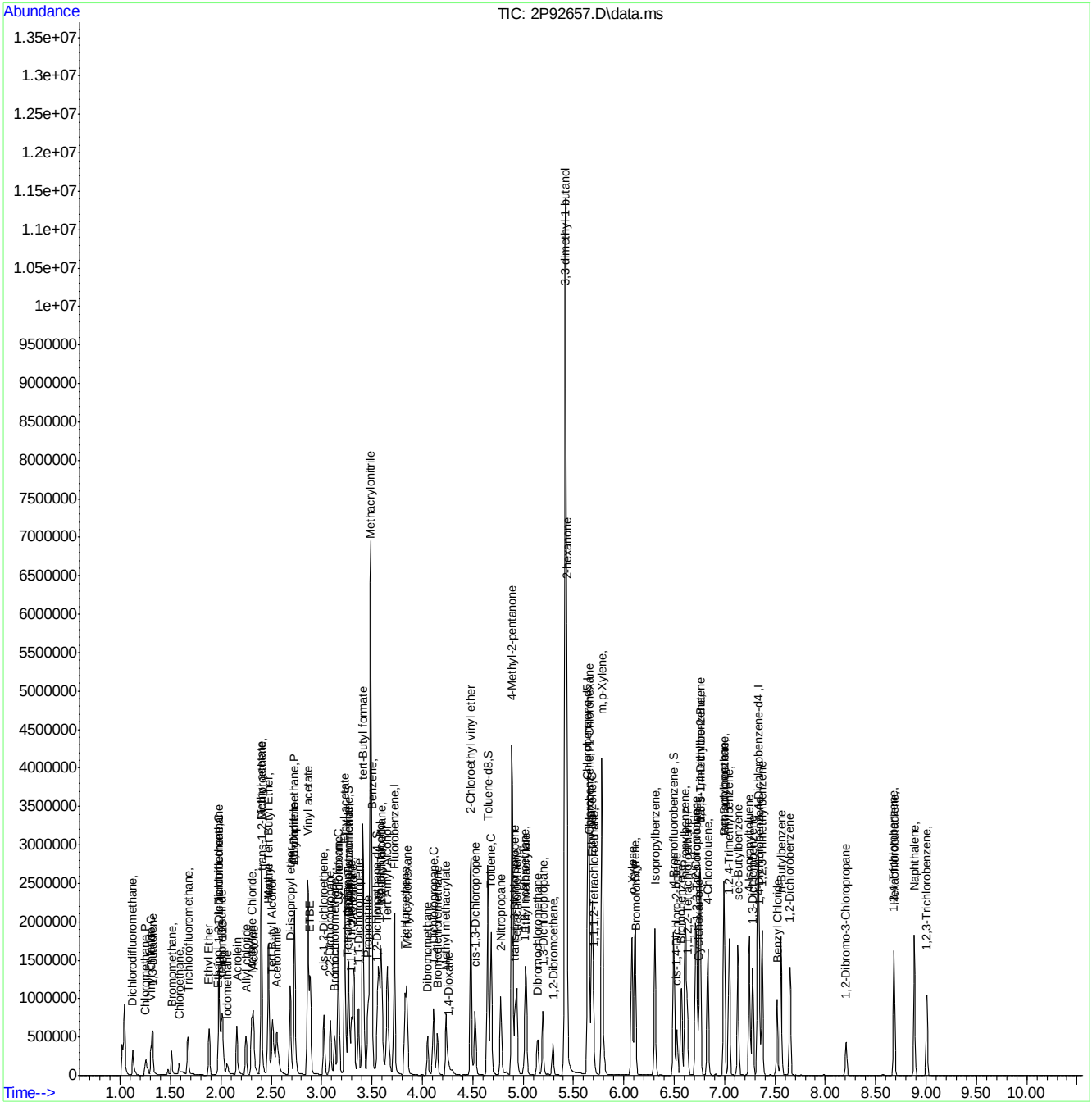
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.714	91	650682	40.60	ug/L		100
93)	trans-1,4-Dichloro-2-B...	6.755	53	124738	40.63	ug/L		97
94)	1,2,3-Trichloropropane	6.724	110	109330	40.92	ug/L		97
95)	Cyclohexanone	6.745	55	120020	214.52	ug/L		97
96)	4-Chlorotoluene	6.834	91	682230	40.39	ug/L		98
97)	tert-Butylbenzene	6.996	91	420010	41.37	ug/L		97
99)	1,2,4-Trimethylbenzene	7.043	105	748659	41.51	ug/L		99
100)	Pentachloroethane	6.996	167	98420	41.71	ug/L		96
101)	sec-Butylbenzene	7.132	105	832050	42.32	ug/L		99
102)	4-Isopropyltoluene	7.247	119	744478	41.58	ug/L		99
103)	1,3-Dichlorobenzene	7.278	146	405632	42.05	ug/L		99
104)	1,2,3-Trimethylbenzene	7.372	105	749712	41.44	ug/L		100
105)	1,4-Dichlorobenzene	7.346	146	414612	41.14	ug/L		93
106)	n-Butylbenzene	7.561	92	366438	41.75	ug/L		97
107)	Benzyl Chloride	7.524	126	93109	40.48	ug/L	#	90
108)	1,2-Dichlorobenzene	7.649	146	375301	41.45	ug/L		99
109)	1,2-Dibromo-3-Chloropr...	8.204	75	71348	41.44	ug/L		93
110)	Hexachlorobutadiene	8.685	225	73837	43.37	ug/L		95
111)	1,2,4-Trichlorobenzene	8.679	180	208621	43.32	ug/L		98
112)	Naphthalene	8.883	128	852504	41.38	ug/L		99
113)	1,2,3-Trichlorobenzene	9.009	180	196735	43.52	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:43:20 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

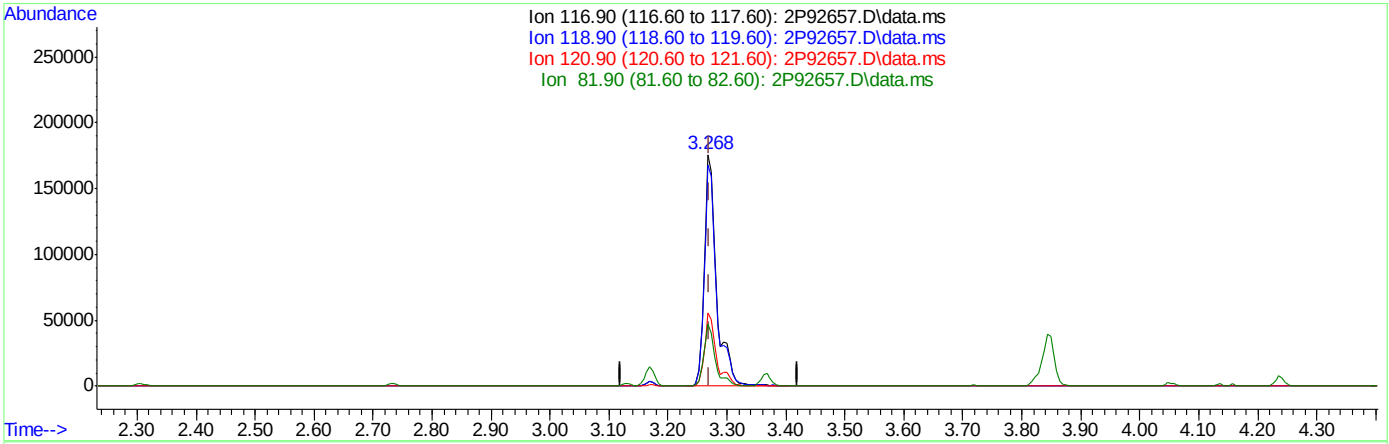
Sample Number: V2P3568-CC3560 **Method:** SW846 8260D
Lab FileID: 2P92657.D **Analyst approved:** 09/06/22 11:48 Courtney Failla
Injection Time: 09/06/22 11:31 **Supervisor approved:** 09/07/22 12:11 Karen Watson

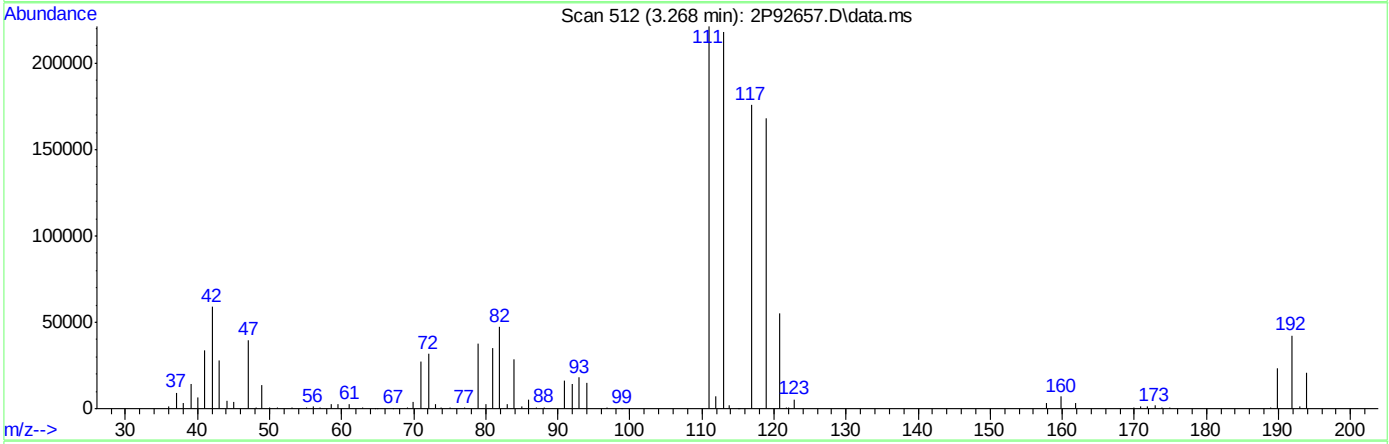
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (-0.002) 51.64ug/L

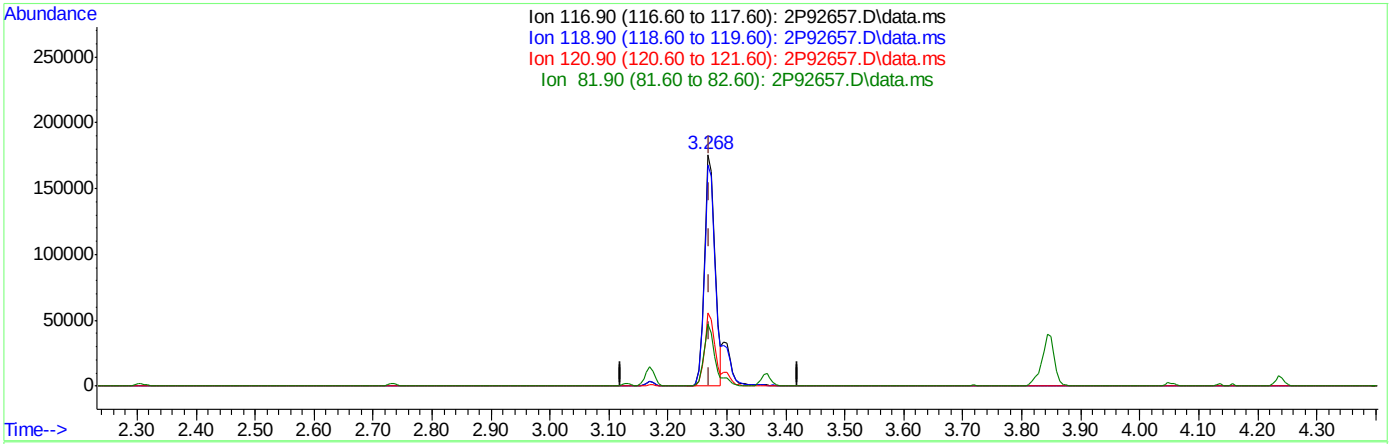
response 255656

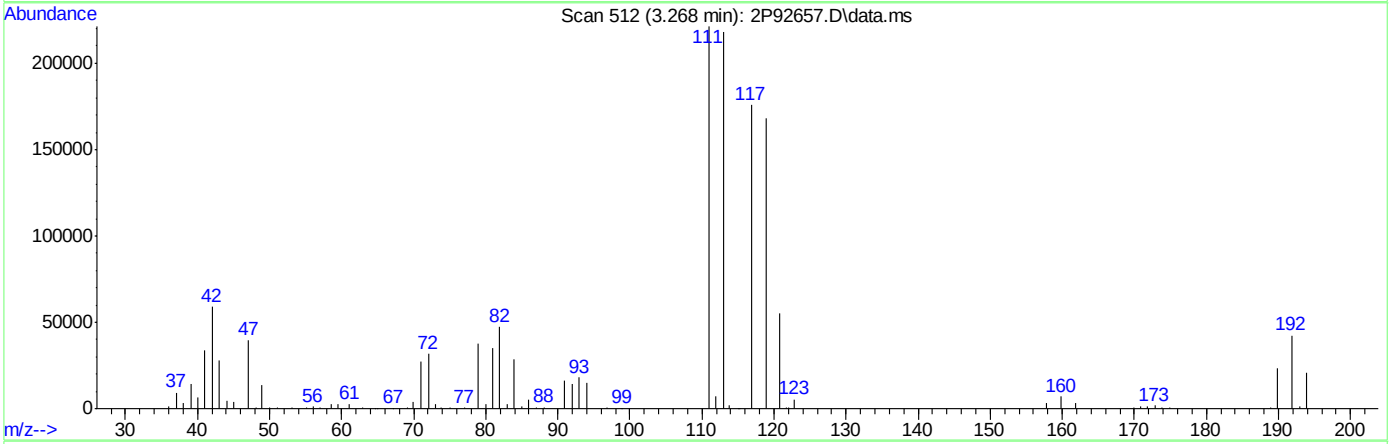
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	95.49
120.90	29.50	31.45
81.90	28.30	26.68

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (-0.002) 45.08ug/L m

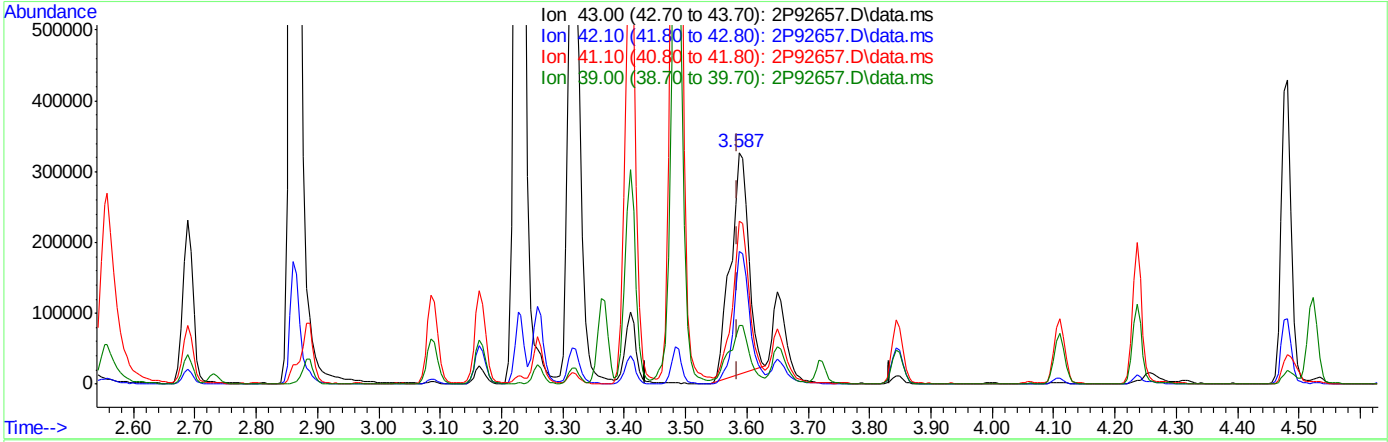
response 218696

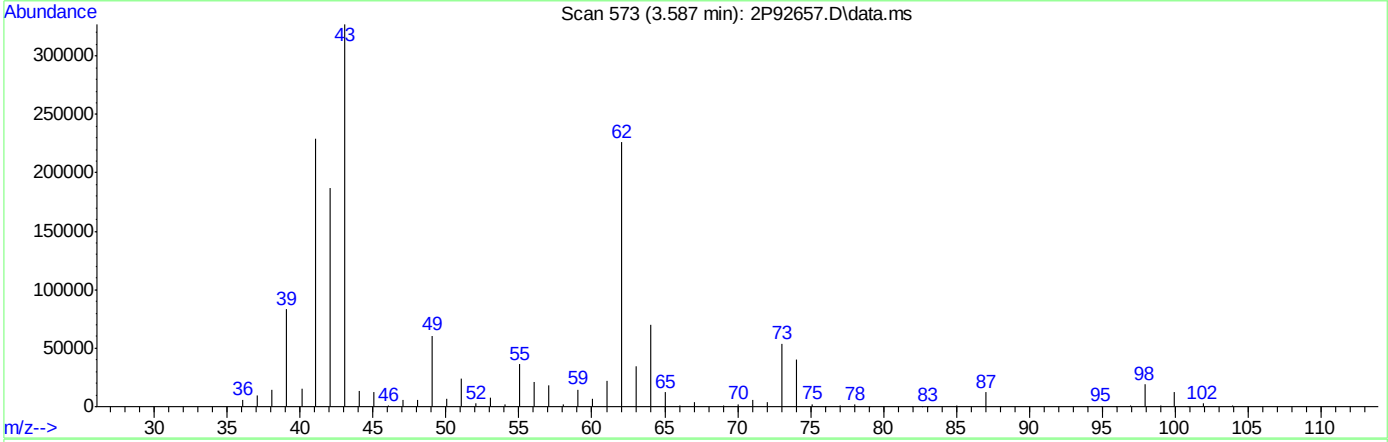
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	95.49
120.90	29.50	31.45
81.90	28.30	26.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(50) Isobutyl alcohol

3.587min (+0.003) 862.67ug/L

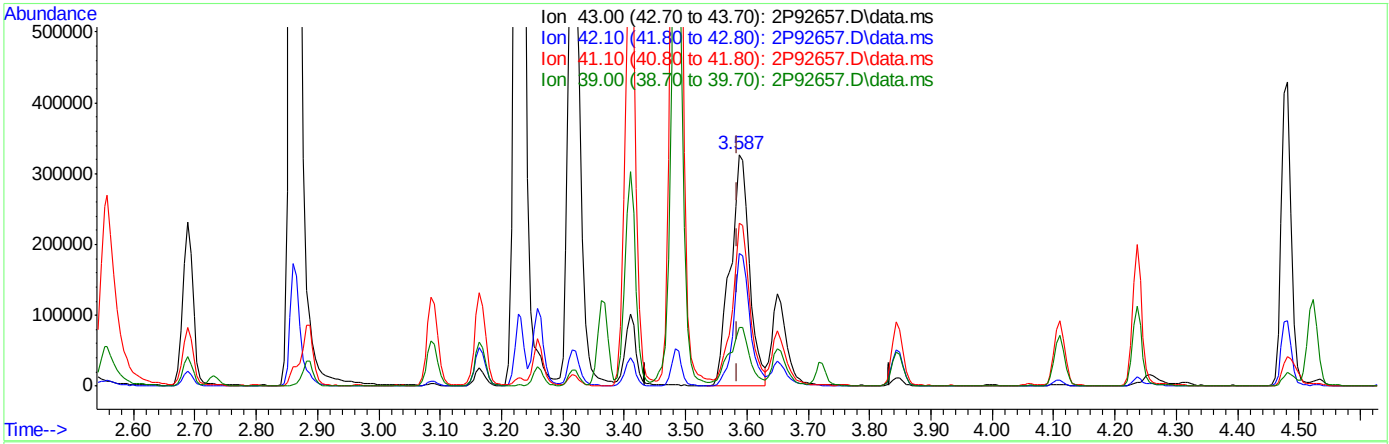
response 639605

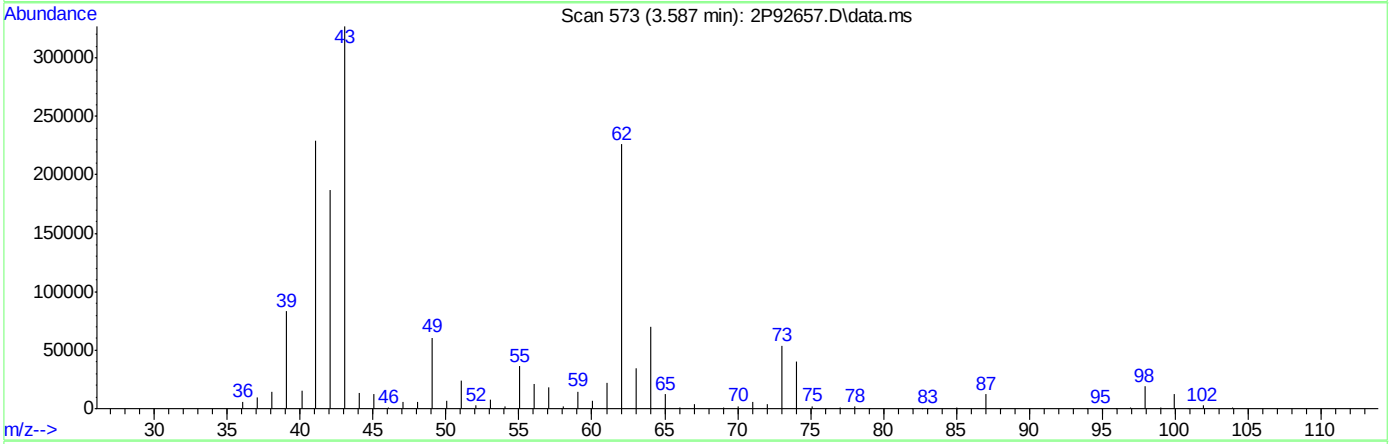
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.18
41.10	70.00	67.34
39.00	27.50	23.68

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(50) Isobutyl alcohol

3.587min (+0.003) 957.60ug/L m

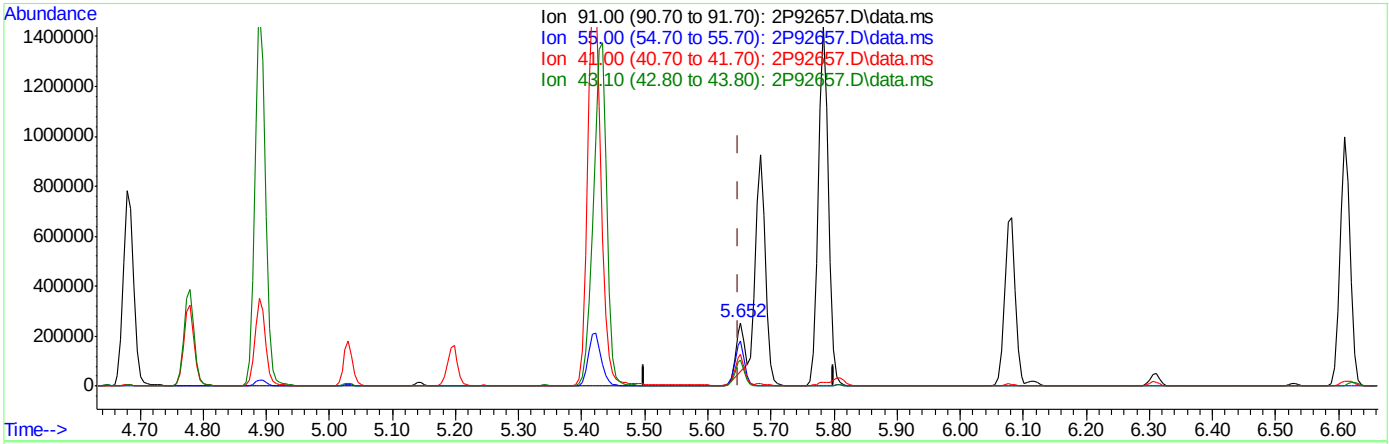
response 709989

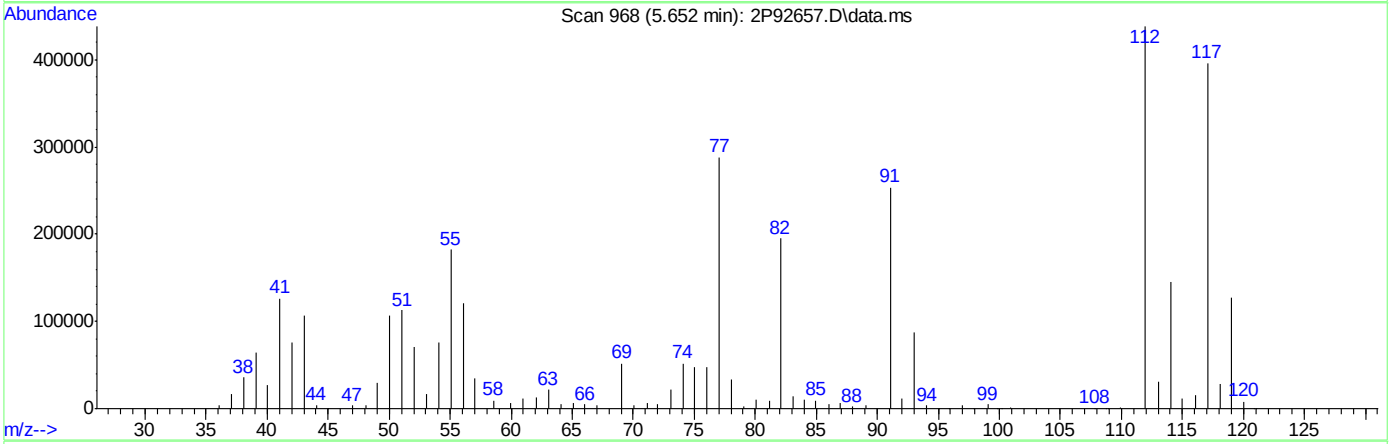
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.28
41.10	70.00	70.16
39.00	27.50	25.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(76) 1-Chlorohexane

5.652min (+0.003) 27.78ug/L

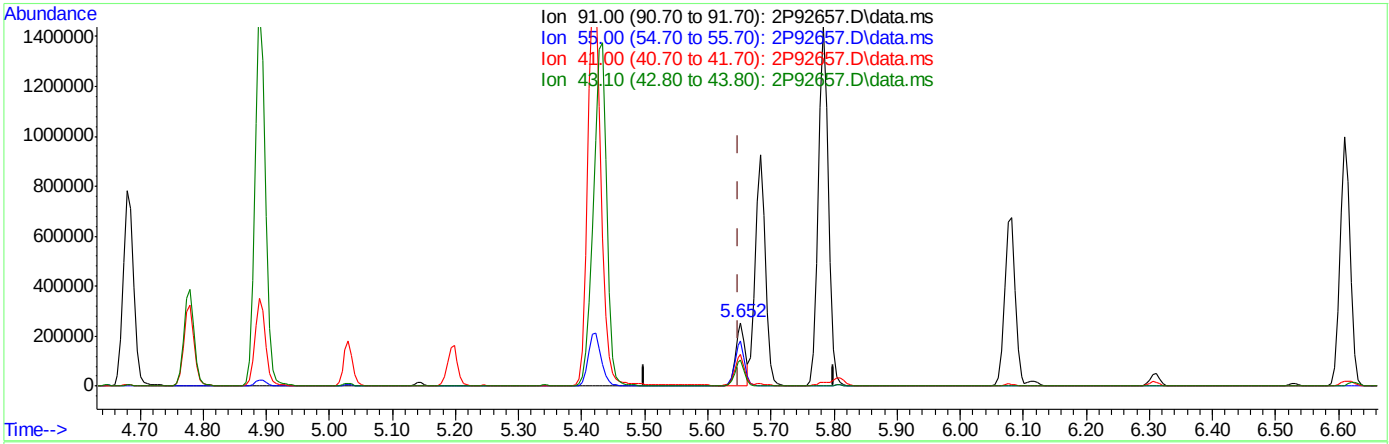
response 187758

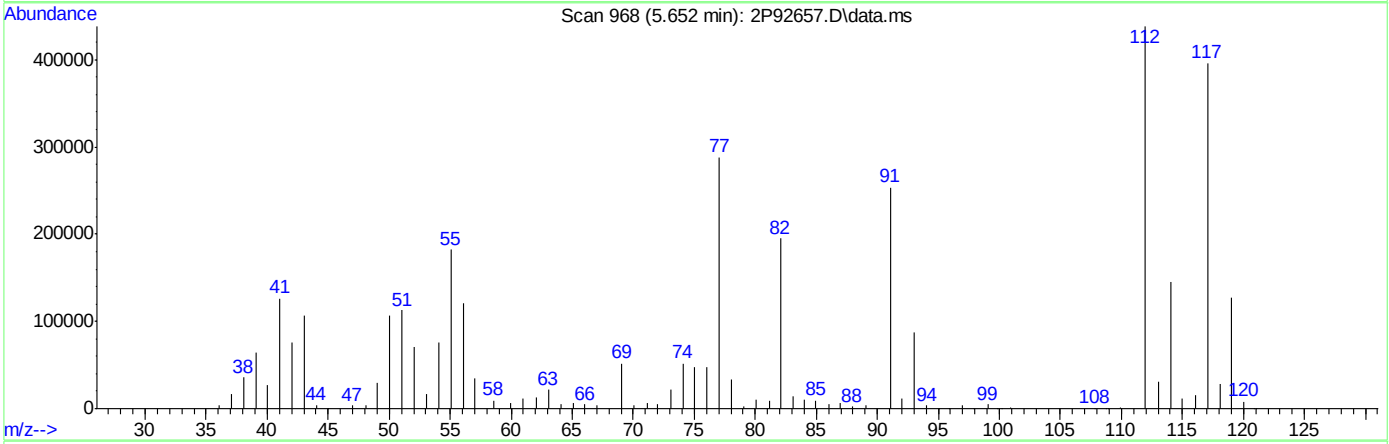
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	69.72
41.00	53.40	47.68
43.10	41.30	41.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(76) 1-Chlorohexane

5.652min (+0.003) 40.48ug/L m

response 273596

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	71.81
41.00	53.40	49.81
43.10	41.30	42.26

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 02:20:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.721	96	1158151	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.645	117	926208	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	451879	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.266	113	252908	51.38	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.76%			
49) 1,2-Dichloroethane-d4	3.553	65	354300	51.82	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.64%			
63) Toluene-d8	4.651	98	1172100	45.99	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 91.98%			
86) 4-Bromofluorobenzene	6.497	174	345356	49.00	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.122	85	198639	62.13	ug/L	99
3) Chloromethane	1.248	50	189837	53.74	ug/L	97
4) 1,3-butadiene	1.316	39	141859	43.21	ug/L	97
5) Vinyl Chloride	1.300	62	236243	54.88	ug/L	98
6) Bromomethane	1.504	94	114366	42.92	ug/L	96
7) Chloroethane	1.583	64	64224	47.02	ug/L	97
8) Trichlorofluoromethane	1.666	101	241156	77.46	ug/L	97
9) Ethyl Ether	1.881	59	184086	45.69	ug/L	97
10) Ethanol	1.969	45	113331	1011.84	ug/L	99
11) 1,2-Dichlorotrifluoroe...	1.975	67	177742	47.15	ug/L	99
12) 1,1-Dichloroethene	1.980	61	254026	46.14	ug/L	98
13) Freon 113	2.011	101	161963	45.44	ug/L	97
14) Carbon Disulfide	2.001	76	379641	40.07	ug/L	96
15) Iodomethane	2.058	142	143548	55.27	ug/L	96
16) Acrolein	2.152	56	310368	210.61	ug/L	100
17) Allyl chloride	2.246	41	162829	41.12	ug/L	95
18) Methylene Chloride	2.299	49	246008	42.72	ug/L	97
19) Acetone	2.320	43	579125	220.06	ug/L	100
20) Methyl acetate	2.398	43	1320805	245.11	ug/L	100
21) trans-1,2-Dichloroethene	2.403	61	254298	45.60	ug/L	96
22) Hexane	2.466	56	123208	43.32	ug/L	99
23) Methyl Tert Butyl Ether	2.471	73	588980	46.34	ug/L	87
24) Tert Butyl Alcohol	2.508	59	701259	446.07	ug/L	97
25) Acetonitrile	2.555	41	380838	427.06	ug/L	98
26) Di-isopropyl ether	2.686	45	557885	47.27	ug/L	98
27) Chloroprene	2.727	53	766350	45.59	ug/L	99
28) 1,1-Dichloroethane	2.727	63	337219	45.98	ug/L	99
29) Acrylonitrile	2.727	52	602724	226.74	ug/L	99
30) ETBE	2.884	59	646893	46.78	ug/L	98
31) Vinyl acetate	2.858	43	2077018	218.38	ug/L	99
32) cis-1,2-Dichloroethene	3.020	96	196611	44.95	ug/L	96
33) 2,2-Dichloropropane	3.088	77	205033	35.41	ug/L	99
34) Bromochloromethane	3.130	128	87130	44.07	ug/L	93
35) Cyclohexane	3.161	56	327916	46.12	ug/L	96
36) Chloroform	3.167	83	343208	46.63	ug/L	98
37) Ethyl acetate	3.229	43	1667254	231.76	ug/L	99
38) Tetrahydrofuran	3.255	42	129613	47.19	ug/L	97
40) Carbon Tetrachloride	3.271	117	202657m	43.04	ug/L	
41) 1,1,1-Trichloroethane	3.297	97	291367	44.68	ug/L	97
42) 2-Butanone	3.318	43	986028	220.73	ug/L	100
43) 1,1-Dichloropropene	3.365	75	254107	46.01	ug/L	97
44) tert-Butyl formate	3.407	59	718844	218.03	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 02:20:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.459	54	654547	462.31	ug/L		98
46)	Methacrylonitrile	3.486	41	1803673	476.91	ug/L		98
47)	Benzene	3.496	78	814195	46.19	ug/L		90
48)	TAME	3.569	73	596771	47.47	ug/L		100
50)	Isobutyl alcohol	3.590	43	713786m	985.49	ug/L		
51)	1,2-Dichloroethane	3.590	62	285229	45.20	ug/L		99
52)	Tert Amyl Alcohol	3.653	59	571679	427.24	ug/L		96
53)	Trichloroethene	3.825	95	201477	44.41	ug/L		98
54)	Methylcyclohexane	3.846	83	289215	45.88	ug/L		99
55)	Dibromomethane	4.050	93	114680	46.01	ug/L		95
56)	1,2-Dichloropropane	4.108	63	202242	47.23	ug/L		98
57)	Bromodichloromethane	4.144	83	207504	42.92	ug/L		99
58)	Methyl methacrylate	4.233	41	228293	45.84	ug/L		93
59)	1,4-Dioxane	4.259	88	120312	894.02	ug/L		97
60)	2-Chloroethyl vinyl ether	4.479	63	784146	220.11	ug/L		98
61)	cis-1,3-Dichloropropene	4.521	75	265609	42.55	ug/L		98
64)	Toluene	4.683	91	873021	39.92	ug/L		100
65)	2-Nitropropane	4.777	41	285318	164.46	ug/L		97
66)	4-Methyl-2-pentanone	4.892	43	1725666	204.57	ug/L		99
67)	trans-1,3-Dichloropropene	4.918	75	242958	37.87	ug/L		85
68)	Tetrachloroethene	4.939	166	221463	47.68	ug/L		97
69)	Ethyl methacrylate	5.033	69	332682	41.95	ug/L		96
70)	1,1,2-Trichloroethane	5.017	83	154144	41.21	ug/L		94
71)	Dibromochloromethane	5.143	129	155692	39.05	ug/L		98
72)	1,3-Dichloropropane	5.195	76	337308	40.56	ug/L		97
73)	1,2-Dibromoethane	5.294	107	192042	42.47	ug/L		97
74)	3,3-dimethyl-1-butanol	5.420	57	3752663	1991.88	ug/L		99
75)	2-hexanone	5.430	43	1949445	205.83	ug/L		90
76)	1-Chlorohexane	5.650	91	279574m	40.09	ug/L		
77)	Ethylbenzene	5.681	91	963135	40.16	ug/L		98
78)	Chlorobenzene	5.655	112	528435	40.36	ug/L		97
79)	1,1,1,2-Tetrachloroethane	5.697	131	170881	40.58	ug/L		97
80)	m,p-Xylene	5.781	91	1533297	80.85	ug/L		100
81)	o-Xylene	6.079	91	761366	40.79	ug/L		99
82)	Styrene	6.110	104	605955	42.44	ug/L		97
83)	Bromoform	6.120	173	78745	36.56	ug/L		98
84)	Isopropylbenzene	6.309	105	898904	41.74	ug/L		99
87)	cis-1,4-Dichloro-2-butene	6.528	53	55671	22.50	ug/L		95
88)	n-Propylbenzene	6.612	91	1055863	38.08	ug/L		98
89)	Bromobenzene	6.570	156	217692	38.84	ug/L		98
90)	1,1,2,2-Tetrachloroethane	6.628	83	291570	38.98	ug/L		99
91)	1,3,5-Trimethylbenzene	6.758	105	743013	38.49	ug/L		98
92)	2-Chlorotoluene	6.711	91	634415	37.92	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.758	53	83171	25.95	ug/L		91
94)	1,2,3-Trichloropropane	6.727	110	108506	38.90	ug/L		96
95)	Cyclohexanone	6.743	55	116689	199.78	ug/L		96
96)	4-Chlorotoluene	6.837	91	659021	37.37	ug/L		100
97)	tert-Butylbenzene	6.994	91	409327	38.62	ug/L		98
99)	1,2,4-Trimethylbenzene	7.046	105	727112	38.62	ug/L		99
100)	Pentachloroethane	6.999	167	76023	32.11	ug/L	#	57
101)	sec-Butylbenzene	7.135	105	805152	39.22	ug/L		99
102)	4-Isopropyltoluene	7.244	119	717866	38.68	ug/L		99
103)	1,3-Dichlorobenzene	7.276	146	385203	38.25	ug/L		97
104)	1,2,3-Trimethylbenzene	7.375	105	727943	38.54	ug/L		99
105)	1,4-Dichlorobenzene	7.344	146	397717	37.80	ug/L		99
106)	n-Butylbenzene	7.563	92	337167	37.20	ug/L		98
107)	Benzyl Chloride	7.522	126	54307	25.20	ug/L	#	87
108)	1,2-Dichlorobenzene	7.652	146	366685	38.79	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 02:20:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

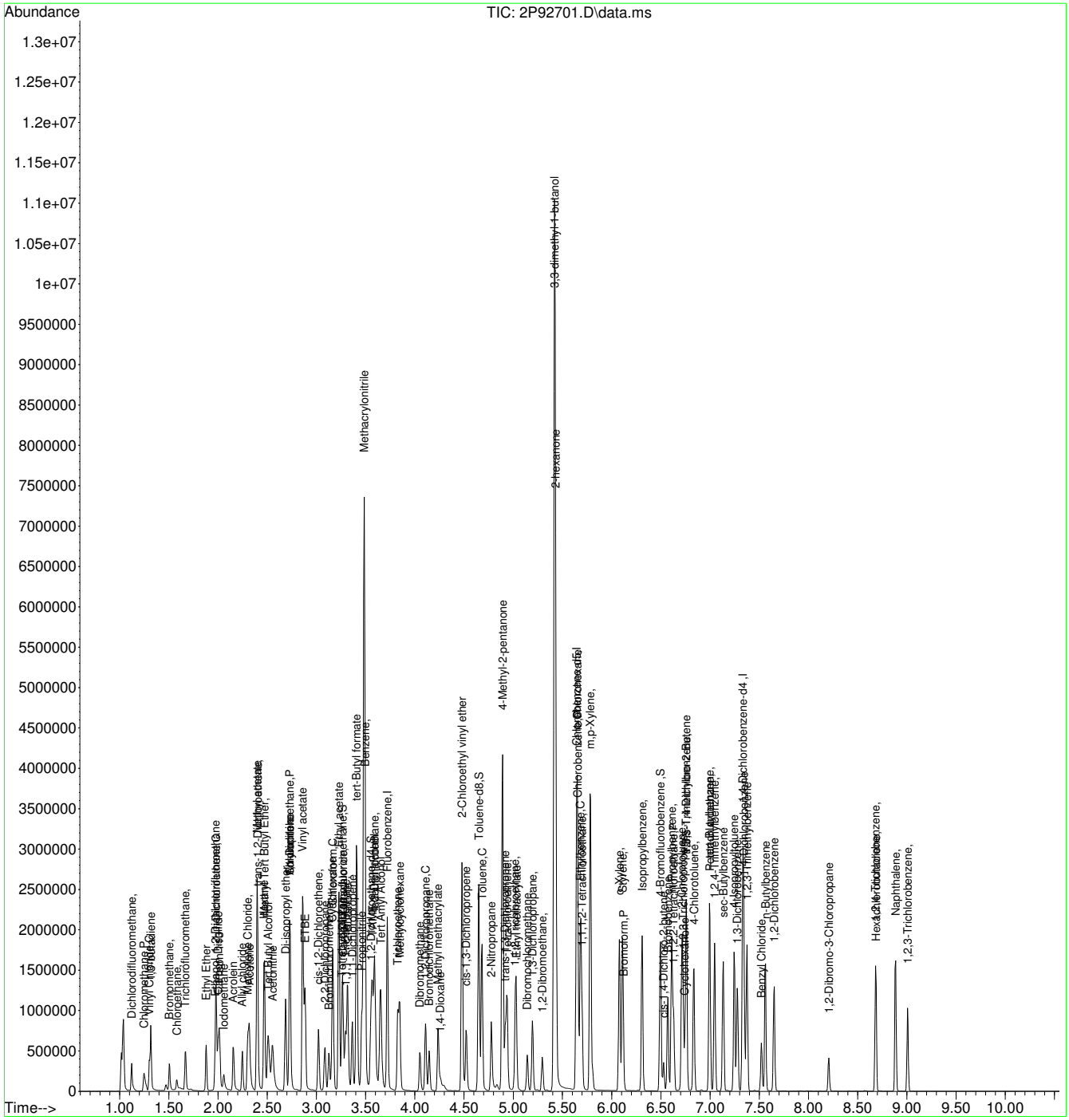
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.206	75	63377	36.01	ug/L	94
110) Hexachlorobutadiene	8.687	225	67404	38.42	ug/L	98
111) 1,2,4-Trichlorobenzene	8.682	180	196414	39.06	ug/L	98
112) Naphthalene	8.886	128	824198	38.57	ug/L	99
113) 1,2,3-Trichlorobenzene	9.006	180	189125	40.07	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 02:20:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

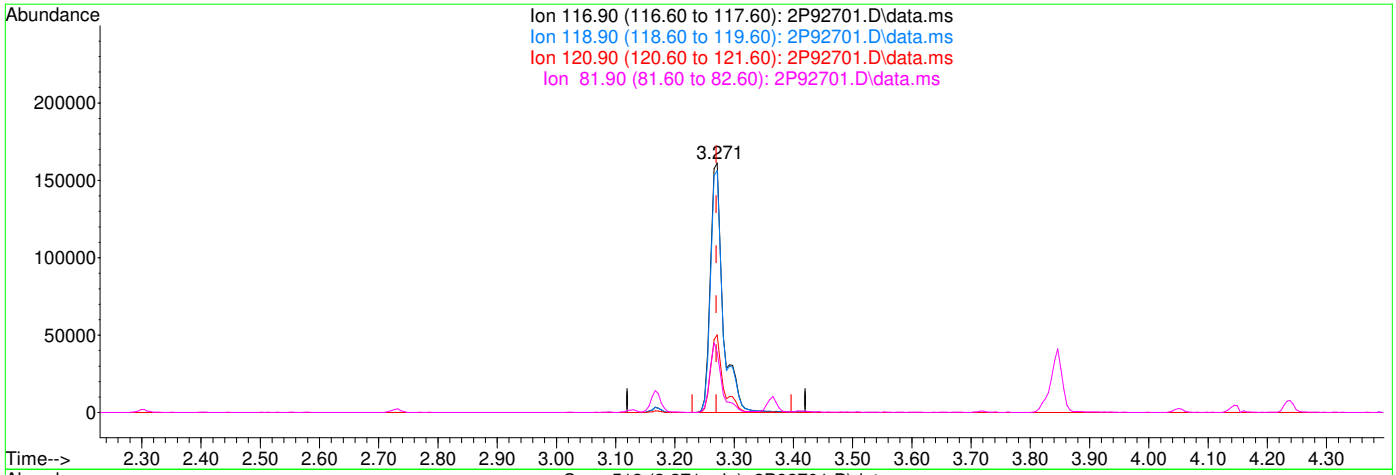
Sample Number: V2P3568-ECC3560 **Method:** SW846 8260D
Lab FileID: 2P92701.D **Analyst approved:** 09/07/22 09:26 Courtney Failla
Injection Time: 09/06/22 23:22 **Supervisor approved:** 09/07/22 12:11 Karen Watson

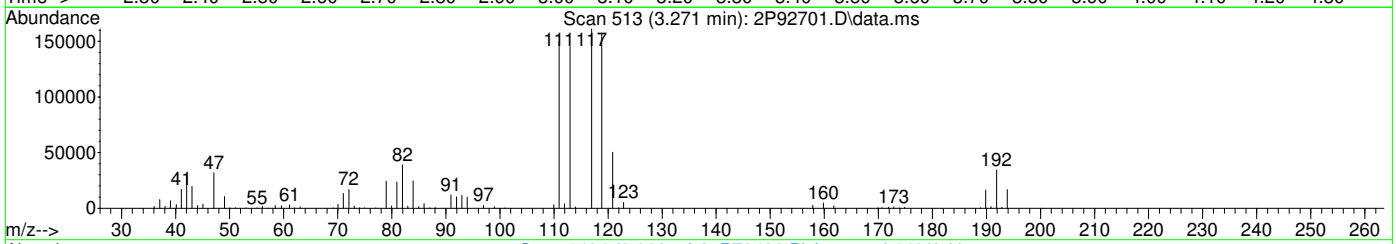
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

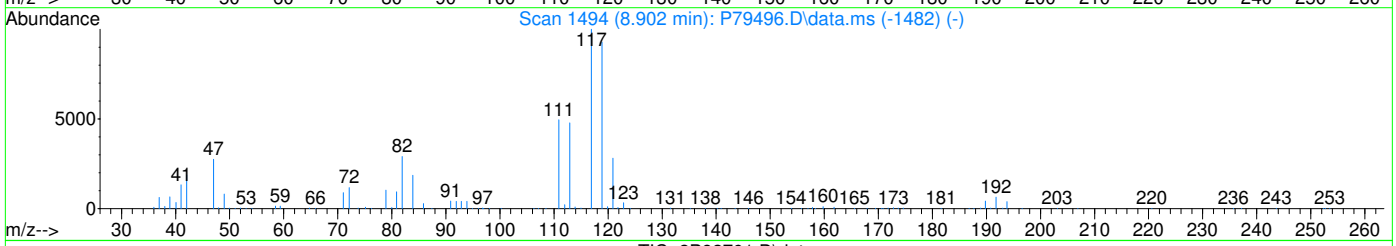
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 01:48:12 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92701.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (+0.001) 49.73ug/L

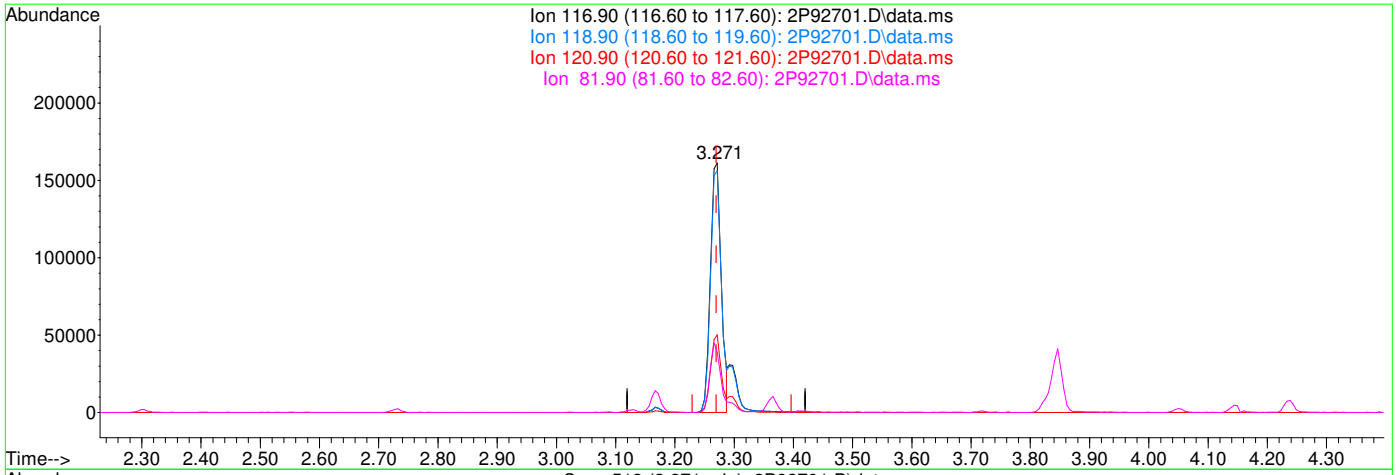
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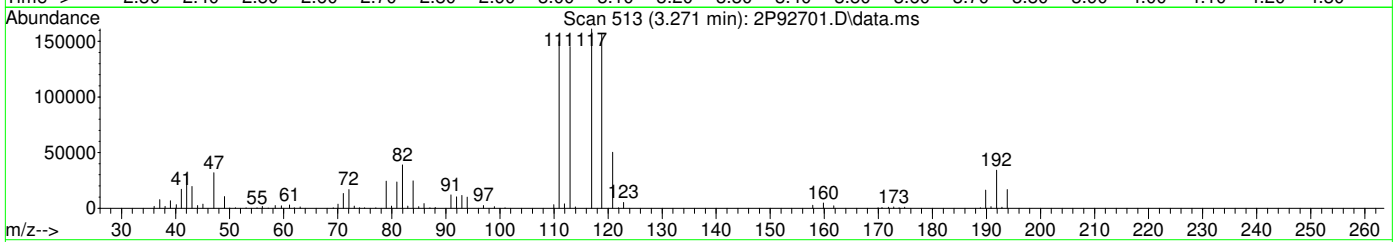
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	96.94
120.90	29.50	31.12
81.90	28.30	23.98

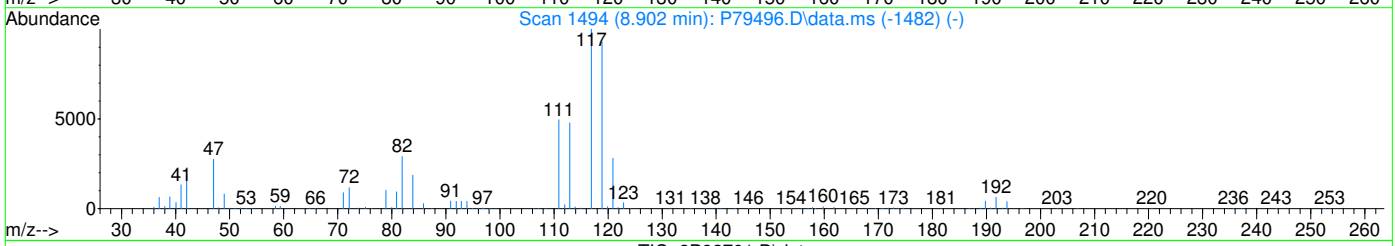
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 01:48:12 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92701.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (+0.001) 43.04ug/L m

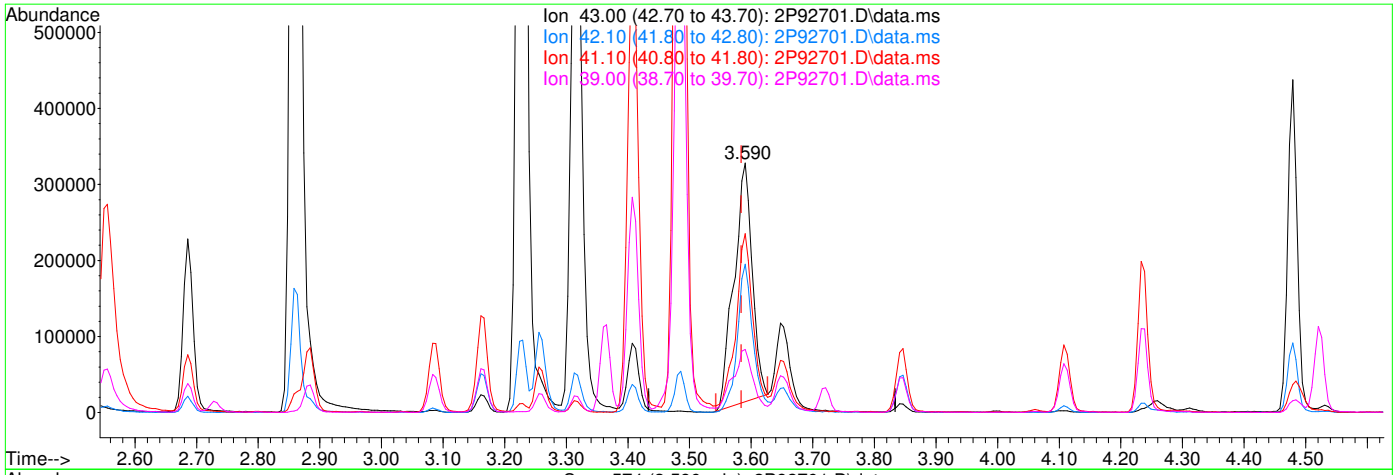
response 202657

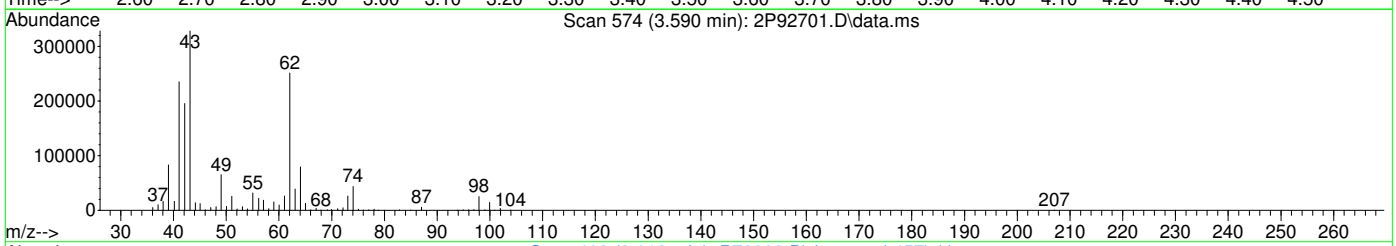
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	96.94
120.90	29.50	31.12
81.90	28.30	24.13

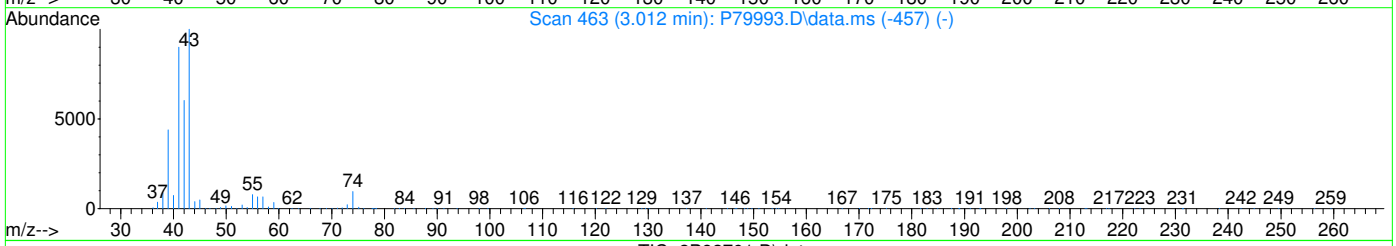
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 01:48:12 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92701.D\data.ms

(50) Isobutyl alcohol

3.590min (+0.006) 898.36ug/L

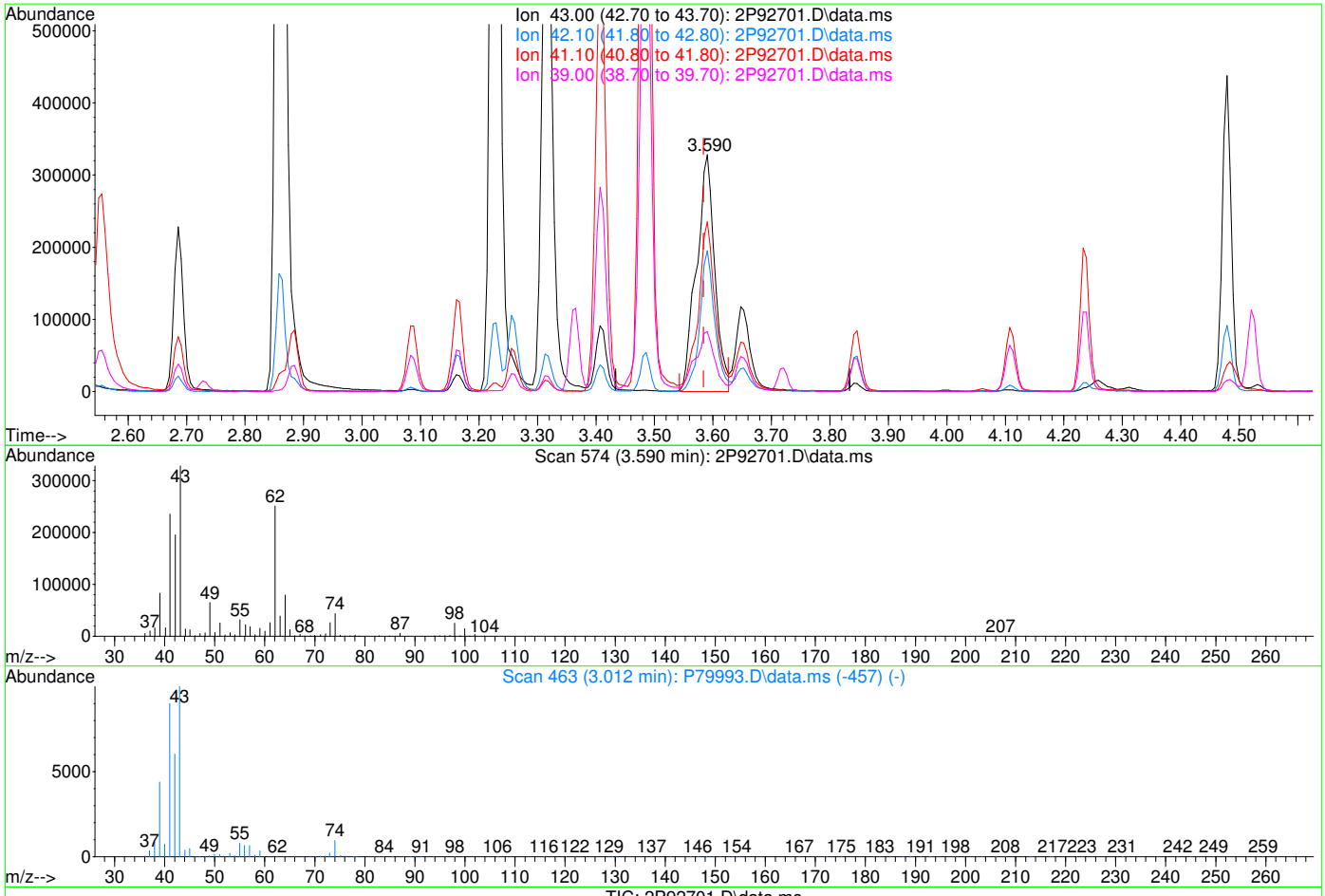
response 650684

Ion	Exp%	Act%
43.00	100	100
42.10	55.40	59.48
41.10	70.00	69.18
39.00	27.50	23.64

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 01:48:12 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



TIC: 2P92701.D\data.ms

(50) Isobutyl alcohol

3.590min (+0.006) 985.49ug/L m

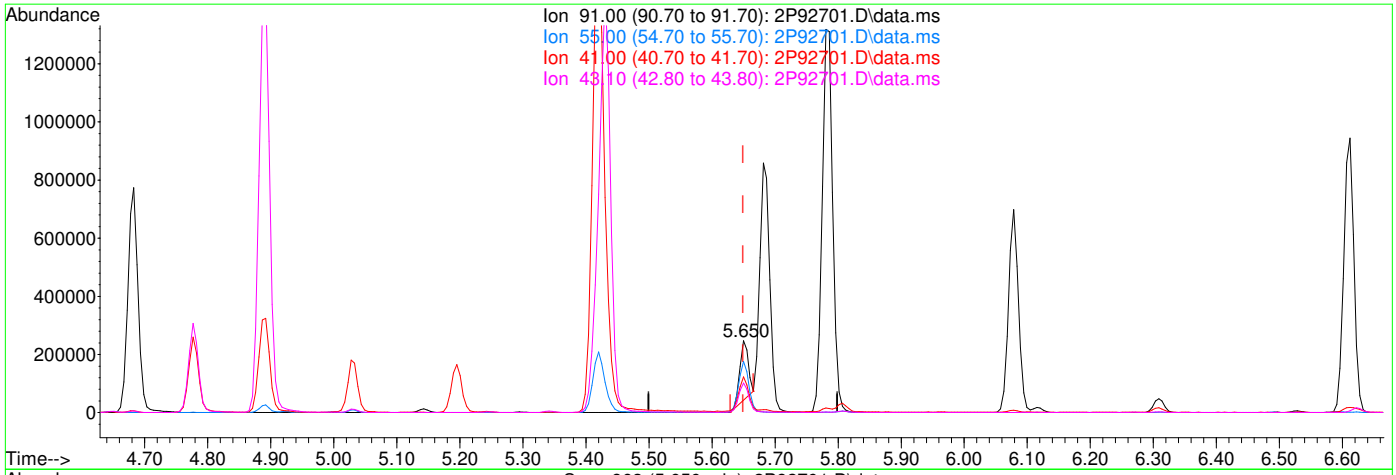
response 713786

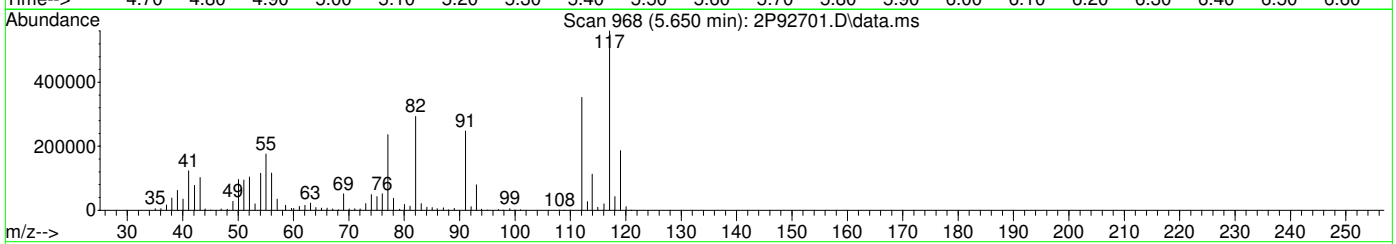
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	59.47
41.10	70.00	71.64
39.00	27.50	25.29

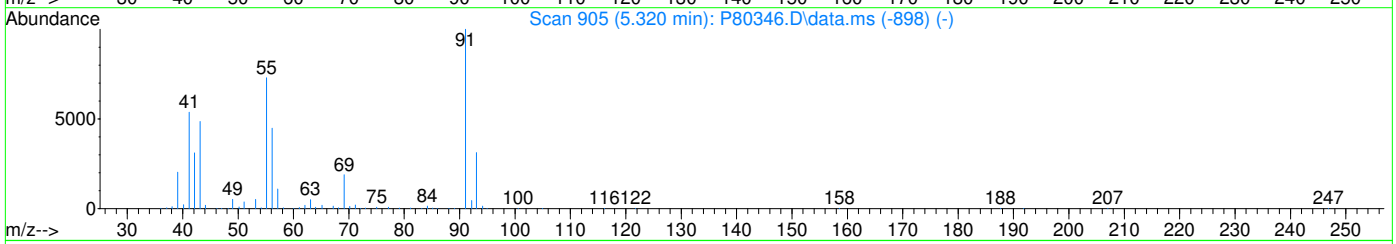
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 01:48:12 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92701.D\data.ms

(76) 1-Chlorohexane

5.650min (+0.001) 28.18ug/L

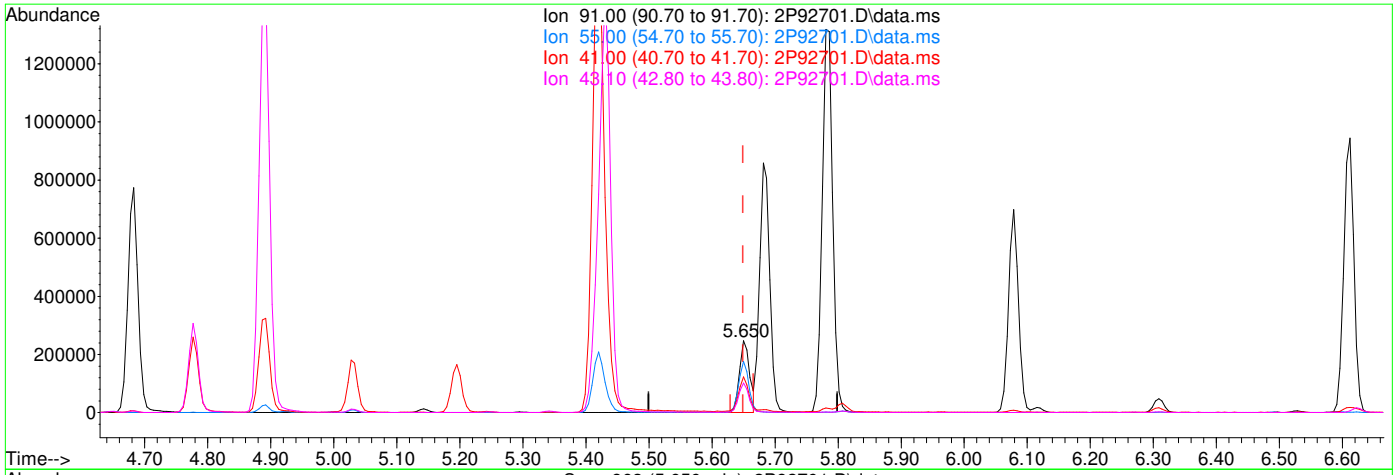
response 196494

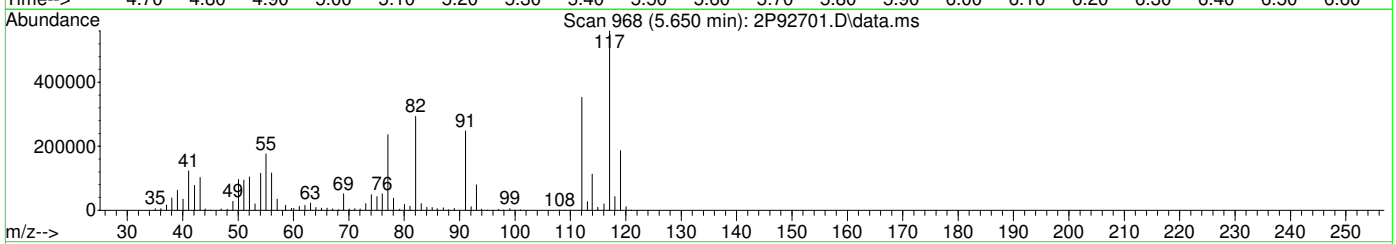
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	70.09
41.00	53.40	47.74
43.10	41.30	40.58

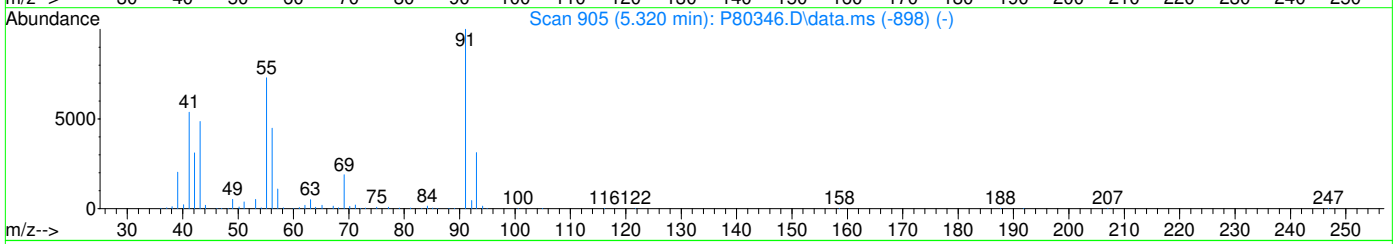
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 01:48:12 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92701.D\data.ms

(76) 1-Chlorohexane

5.650min (+0.001) 40.09ug/L m

response 279574

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	71.16
41.00	53.40	49.81
43.10	41.30	41.27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33982.D
Acq On : 6 Sep 2022 2:17 pm
Operator : courtnef
Sample : IC1549-1
Misc : MS52257,V5E1549,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 06 14:43:33 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.951	96	329844	50.00	ug/L		0.00
61) Chlorobenzene-d5	12.115	117	246994	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	118238	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.079	113	95239	51.64	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.28%				
49) 1,2-Dichloroethane-d4	8.665	65	99345	42.12	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 84.24%				
62) Toluene-d8	10.542	98	314870	49.70	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.40%				
86) 4-Bromofluorobenzene	13.328	95	110176	49.11	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.22%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.849	85	1374	0.85	ug/L		89
3) Chloromethane	3.220	50	1970	0.65	ug/L		86
4) Vinyl Chloride	3.373	62	1771	0.76	ug/L		91
5) 1,3-Butadiene	3.403	39	11922	5.02	ug/L	#	73
6) Bromomethane	3.940	94	505	0.98	ug/L		78
7) Chloroethane	4.153	64	1478	1.20	ug/L		94
8) Trichlorofluoromethane	4.385	101	2133	0.95	ug/L		89
9) Ethyl Ether	4.873	59	1533	0.77	ug/L		89
11) 1,2-Dichlorotrifluoroe...	5.153	67	1922	1.08	ug/L		92
12) 1,1-Dichloroethene	5.159	61	2536	0.76	ug/L		93
13) Freon 113	5.220	101	1362	0.93	ug/L	#	81
14) Carbon Disulfide	5.214	76	5449	1.18	ug/L		69
16) Acrolein	5.641	56	3647	6.42	ug/L		85
17) Allyl chloride	5.818	41	3243	0.94	ug/L		83
18) Methylene Chloride	5.958	49	12858	2.58	ug/L		69
19) Acetone	6.031	43	6293	6.64	ug/L		93
20) Methyl acetate	6.183	43	7064	2.98	ug/L		84
21) trans-1,2-Dichloroethene	6.177	61	2530	0.79	ug/L		88
22) Hexane	6.263	56	2394	1.21	ug/L	#	62
23) Methyl Tert Butyl Ether	6.299	73	3873	0.82	ug/L		86
24) Acetonitrile	6.641	41	3643	8.88	ug/L		90
25) Di-isopropyl ether	6.756	45	5469	0.65	ug/L		93
27) 1,1-Dichloroethane	6.939	63	3088	0.81	ug/L		89
28) Acrylonitrile	7.012	53	4138	3.66	ug/L		95
29) ETBE	7.195	59	5165	0.67	ug/L		82
30) Tert Butyl Alcohol	6.397	59	3118	7.59	ug/L		76
31) Vinyl acetate	7.226	43	16791	2.98	ug/L		85
32) cis-1,2-Dichloroethene	7.585	96	1675	1.00	ug/L	#	77
33) 2,2-Dichloropropane	7.701	77	2065	0.81	ug/L		87
34) Bromochloromethane	7.811	128	819	0.98	ug/L	#	67
35) Cyclohexane	7.823	56	3459	0.82	ug/L		84
36) Chloroform	7.878	83	2843	0.97	ug/L		96
37) Ethyl acetate	7.988	43	9633	3.05	ug/L		90
38) Tetrahydrofuran	8.079	42	1288	1.09	ug/L	#	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33982.D
Acq On : 6 Sep 2022 2:17 pm
Operator : courtnef
Sample : IC1549-1
Misc : MS52257,V5E1549,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 06 14:43:33 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) Carbon Tetrachloride	8.055	117	2072	0.90	ug/L		91
41) 1,1,1-Trichloroethane	8.122	97	2331	0.87	ug/L		90
42) 2-Butanone	8.213	43	5831	3.53	ug/L		75
43) 1,1-Dichloropropene	8.256	75	2022	0.93	ug/L		95
44) tert-Butyl formate	8.360	59	7304	5.81	ug/L	#	61
45) Propionitrile	8.543	54	4769	9.05	ug/L		97
46) Methacrylonitrile	8.561	41	19103	9.22	ug/L		92
47) Benzene	8.530	78	6276	1.00	ug/L		93
48) TAME	8.610	73	3835	0.80	ug/L	#	80
50) 1,2-Dichloroethane	8.738	62	2346	0.79	ug/L		96
51) tert Amyl alcohol	8.793	59	2358	7.06	ug/L	#	75
52) Trichloroethene	9.134	95	1778	1.04	ug/L		93
53) Methylcyclohexane	9.134	83	2471	1.03	ug/L	#	66
54) Dibromomethane	9.585	93	855	0.79	ug/L		87
55) 1,2-Dichloropropane	9.670	63	1804	0.82	ug/L		81
56) Bromodichloromethane	9.725	83	2023	0.94	ug/L		89
57) Methyl methacrylate	9.847	41	2499	0.95	ug/L		84
58) 1,4-Dioxane	9.927	88	288	11.33	ug/L	#	50
59) 2-Chloroethyl vinyl ether	10.262	63	8402	6.56	ug/L		84
60) cis-1,3-Dichloropropene	10.359	75	1964	0.79	ug/L		83
63) Toluene	10.597	91	7245	1.17	ug/L		96
64) Isobutyl alcohol	8.677	43	2927	18.06	ug/L	#	62
65) 2-Nitropropane	10.835	41	3339	4.09	ug/L	#	80
66) 4-Methyl-2-pentanone	10.945	43	16117	5.34	ug/L		96
67) trans-1,3-Dichloropropene	11.006	75	1403	0.69	ug/L		80
68) Tetrachloroethene	11.006	166	1610	0.98	ug/L		93
69) Ethyl methacrylate	11.109	69	2365	1.18	ug/L	#	68
70) 1,1,2-Trichloroethane	11.170	83	1263	1.08	ug/L		84
71) Dibromochloromethane	11.365	129	1751	1.08	ug/L		98
72) 1,3-Dichloropropane	11.457	76	2180	0.91	ug/L	#	74
73) 1,2-Dibromoethane	11.627	107	1362	0.93	ug/L		83
74) 3,3-Dimethyl-1-butanol	11.707	57	27825	78.77	ug/L		90
75) 2-hexanone	11.774	43	8536	4.05	ug/L		80
76) 1-Chlorohexane	12.060	91	2136	1.22	ug/L	#	53
77) Ethylbenzene	12.127	91	8257	1.20	ug/L		95
78) Chlorobenzene	12.133	112	4435	1.12	ug/L		96
79) 1,1,1,2-Tetrachloroethane	12.182	131	1415	0.93	ug/L	#	70
80) m,p-Xylene	12.261	91	11778	2.22	ug/L		95
81) o-Xylene	12.706	91	5914	1.12	ug/L		98
82) Styrene	12.761	104	3857	0.97	ug/L		93
83) Bromoform	12.822	173	885	0.80	ug/L		88
84) Isopropylbenzene	13.011	105	6875	1.08	ug/L		97
87) cis-1,4-Dichloro-2-butene	13.694	53	312	0.36	ug/L	#	76
88) n-Propylbenzene	13.432	91	8471	1.25	ug/L		99
89) Bromobenzene	13.456	156	1665	1.07	ug/L		94
90) 1,1,2,2-Tetrachloroethane	13.499	83	2214	1.18	ug/L		88
91) 1,3,5-Trimethylbenzene	13.609	105	5815	1.21	ug/L		98
92) 2-Chlorotoluene	13.627	91	5583	1.23	ug/L		89
93) trans-1,4-Dichloro-2-B...	13.694	53	312	0.36	ug/L	#	71
94) 1,2,3-Trichloropropane	13.664	110	505	0.86	ug/L		79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33982.D
Acq On : 6 Sep 2022 2:17 pm
Operator : courtnef
Sample : IC1549-1
Misc : MS52257,V5E1549,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 06 14:43:33 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

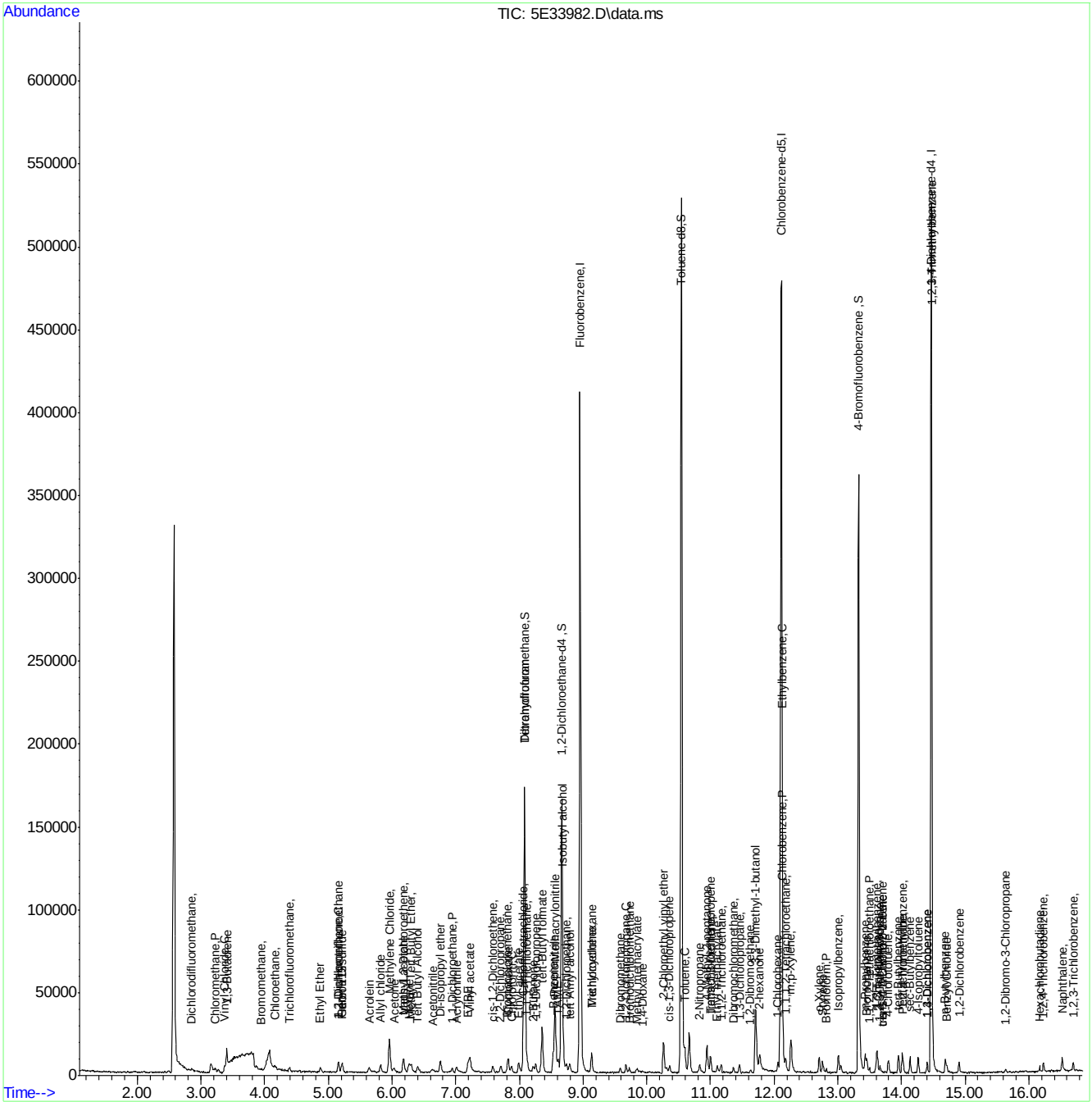
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96)	4-Chlorotoluene	13.792	91	5304	1.27	ug/L		99
98)	tert-Butylbenzene	13.950	91	3626	1.32	ug/L		90
99)	1,2,4-Trimethylbenzene	14.023	105	5506	1.15	ug/L		92
100)	Pentachloroethane	14.011	167	991	1.15	ug/L		96
101)	sec-Butylbenzene	14.133	105	6606	1.19	ug/L		96
102)	4-Isopropyltoluene	14.267	119	5606	1.17	ug/L		95
103)	1,3-Dichlorobenzene	14.401	146	2993	1.09	ug/L		97
104)	1,2,3-Trimethylbenzene	14.474	105	5896	1.24	ug/L	#	65
105)	1,4-Dichlorobenzene	14.401	146	2993	1.04	ug/L		98
106)	n-Butylbenzene	14.688	92	2743	1.04	ug/L		92
107)	Benzyl Chloride	14.712	126	437	0.64	ug/L	#	91
108)	1,2-Dichlorobenzene	14.907	146	2942	1.12	ug/L		95
109)	1,2-Dibromo-3-Chloropr...	15.633	75	194	0.47	ug/L	#	84
110)	Hexachlorobutadiene	16.169	225	571	0.85	ug/L		76
111)	1,2,4-Trichlorobenzene	16.230	180	1775	1.06	ug/L		96
112)	Naphthalene	16.523	128	7103	1.39	ug/L		98
113)	1,2,3-Trichlorobenzene	16.700	180	1765	1.09	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33982.D
Acq On : 6 Sep 2022 2:17 pm
Operator : courtnef
Sample : IC1549-1
Misc : MS52257,V5E1549,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 06 14:43:33 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33983.D
Acq On : 6 Sep 2022 3:04 pm
Operator : courtnef
Sample : IC1549-2
Misc : MS52257,V5E1549,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 06 15:21:22 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.951	96	340220	50.00	ug/L		0.00
61) Chlorobenzene-d5	12.115	117	245623	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	117499	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.079	113	98089	51.56	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.12%				
49) 1,2-Dichloroethane-d4	8.664	65	100015	41.11	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 82.22%				
62) Toluene-d8	10.542	98	321734	51.07	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 102.14%				
86) 4-Bromofluorobenzene	13.328	95	111127	49.85	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.849	85	7367	4.41	ug/L		89
3) Chloromethane	3.214	50	9309	2.97	ug/L		99
4) Vinyl Chloride	3.367	62	9599	4.01	ug/L		91
5) 1,3-Butadiene	3.403	39	14037	5.73	ug/L		87
6) Bromomethane	3.940	94	2919	5.50	ug/L		93
7) Chloroethane	4.153	64	6276	4.97	ug/L		87
8) Trichlorofluoromethane	4.391	101	10855	4.69	ug/L		97
9) Ethyl Ether	4.866	59	7583	3.68	ug/L		90
11) 1,2-Dichlorotrifluoroe...	5.153	67	8137	4.45	ug/L		95
12) 1,1-Dichloroethene	5.159	61	12849	3.73	ug/L		89
13) Freon 113	5.220	101	6552	4.32	ug/L		95
14) Carbon Disulfide	5.208	76	23471	4.94	ug/L		92
15) Iodomethane	5.366	142	2775	3.22	ug/L		95
16) Acrolein	5.635	56	10634	18.16	ug/L		99
17) Allyl chloride	5.817	41	11050	3.12	ug/L		79
18) Methylene Chloride	5.958	49	24641	4.82	ug/L		75
19) Acetone	6.019	43	15115	15.48	ug/L		95
20) Methyl acetate	6.177	43	35305	14.42	ug/L		86
21) trans-1,2-Dichloroethene	6.171	61	12588	3.80	ug/L		86
22) Hexane	6.269	56	7330	3.60	ug/L		96
23) Methyl Tert Butyl Ether	6.299	73	19361	3.98	ug/L		85
24) Acetonitrile	6.616	41	11987	28.30	ug/L		94
25) Di-isopropyl ether	6.756	45	26503	3.07	ug/L		90
26) Chloroprene	6.915	53	2660	0.68	ug/L		83
27) 1,1-Dichloroethane	6.945	63	15432	3.91	ug/L		95
28) Acrylonitrile	7.000	53	22238	19.09	ug/L		98
29) ETBE	7.195	59	25649	3.21	ug/L		88
30) Tert Butyl Alcohol	6.391	59	12938	30.54	ug/L		95
31) Vinyl acetate	7.220	43	100714	17.34	ug/L		94
32) cis-1,2-Dichloroethene	7.585	96	8281	4.79	ug/L	#	74
33) 2,2-Dichloropropane	7.707	77	10196	3.86	ug/L		97
34) Bromochloromethane	7.811	128	4293	4.99	ug/L	#	64
35) Cyclohexane	7.823	56	14016	3.21	ug/L		85
36) Chloroform	7.878	83	13318	4.40	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33983.D
Acq On : 6 Sep 2022 3:04 pm
Operator : courtnef
Sample : IC1549-2
Misc : MS52257,V5E1549,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 06 15:21:22 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Ethyl acetate	7.982	43	54194	16.66	ug/L		95
38) Tetrahydrofuran	8.073	42	4311	3.53	ug/L		90
40) Carbon Tetrachloride	8.049	117	10486	4.44	ug/L		96
41) 1,1,1-Trichloroethane	8.122	97	11440	4.16	ug/L		92
42) 2-Butanone	8.207	43	23220	13.63	ug/L		83
43) 1,1-Dichloropropene	8.256	75	9581	4.27	ug/L		89
44) tert-Butyl formate	8.354	59	21506	16.60	ug/L	#	67
45) Propionitrile	8.536	54	15542	28.61	ug/L		94
46) Methacrylonitrile	8.561	41	63988	29.95	ug/L		98
47) Benzene	8.524	78	29979	4.64	ug/L		84
48) TAME	8.610	73	19003	3.86	ug/L		84
50) 1,2-Dichloroethane	8.738	62	11826	3.84	ug/L		95
51) tert Amyl alcohol	8.786	59	9068	26.34	ug/L	#	73
52) Trichloroethene	9.134	95	8306	4.71	ug/L		92
53) Methylcyclohexane	9.134	83	10298	4.16	ug/L	#	72
54) Dibromomethane	9.579	93	5237	4.69	ug/L		94
55) 1,2-Dichloropropane	9.670	63	8997	3.98	ug/L		87
56) Bromodichloromethane	9.719	83	9838	4.42	ug/L		98
57) Methyl methacrylate	9.841	41	6965	2.56	ug/L	#	79
58) 1,4-Dioxane	9.926	88	1940	73.83	ug/L	#	66
59) 2-Chloroethyl vinyl ether	10.262	63	25128	19.02	ug/L		82
60) cis-1,3-Dichloropropene	10.359	75	10532	4.08	ug/L		86
63) Toluene	10.597	91	32939	5.33	ug/L		97
64) Isobutyl alcohol	8.677	43	8328	51.66	ug/L		89
65) 2-Nitropropane	10.829	41	13820	17.01	ug/L		87
66) 4-Methyl-2-pentanone	10.945	43	50781	16.91	ug/L		94
67) trans-1,3-Dichloropropene	10.999	75	8334	4.09	ug/L		84
68) Tetrachloroethene	10.999	166	8289	5.06	ug/L		92
69) Ethyl methacrylate	11.109	69	9230	4.62	ug/L	#	74
70) 1,1,2-Trichloroethane	11.164	83	6287	5.42	ug/L		88
71) Dibromochloromethane	11.359	129	8749	5.42	ug/L		94
72) 1,3-Dichloropropane	11.451	76	11725	4.93	ug/L		81
73) 1,2-Dibromoethane	11.627	107	7859	5.42	ug/L		99
74) 3,3-Dimethyl-1-butanol	11.707	57	50352	143.34	ug/L		89
75) 2-hexanone	11.768	43	34773	16.57	ug/L		90
76) 1-Chlorohexane	12.060	91	9497	5.44	ug/L	#	66
77) Ethylbenzene	12.127	91	36651	5.36	ug/L		93
78) Chlorobenzene	12.133	112	20663	5.26	ug/L		92
79) 1,1,1,2-Tetrachloroethane	12.182	131	7722	5.13	ug/L		95
80) m,p-Xylene	12.261	91	53884	10.21	ug/L		98
81) o-Xylene	12.706	91	26715	5.08	ug/L		96
82) Styrene	12.761	104	20458	5.17	ug/L		88
83) Bromoform	12.822	173	5363	4.85	ug/L		92
84) Isopropylbenzene	13.011	105	31538	4.99	ug/L		95
87) cis-1,4-Dichloro-2-butene	13.682	53	2496	2.91	ug/L	#	74
88) n-Propylbenzene	13.432	91	37356	5.55	ug/L		99
89) Bromobenzene	13.456	156	8397	5.42	ug/L		92
90) 1,1,2,2-Tetrachloroethane	13.499	83	10675	5.75	ug/L		96
91) 1,3,5-Trimethylbenzene	13.609	105	26612	5.58	ug/L		93
92) 2-Chlorotoluene	13.621	91	26343	5.83	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33983.D
Acq On : 6 Sep 2022 3:04 pm
Operator : courtnef
Sample : IC1549-2
Misc : MS52257,V5E1549,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 06 15:21:22 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

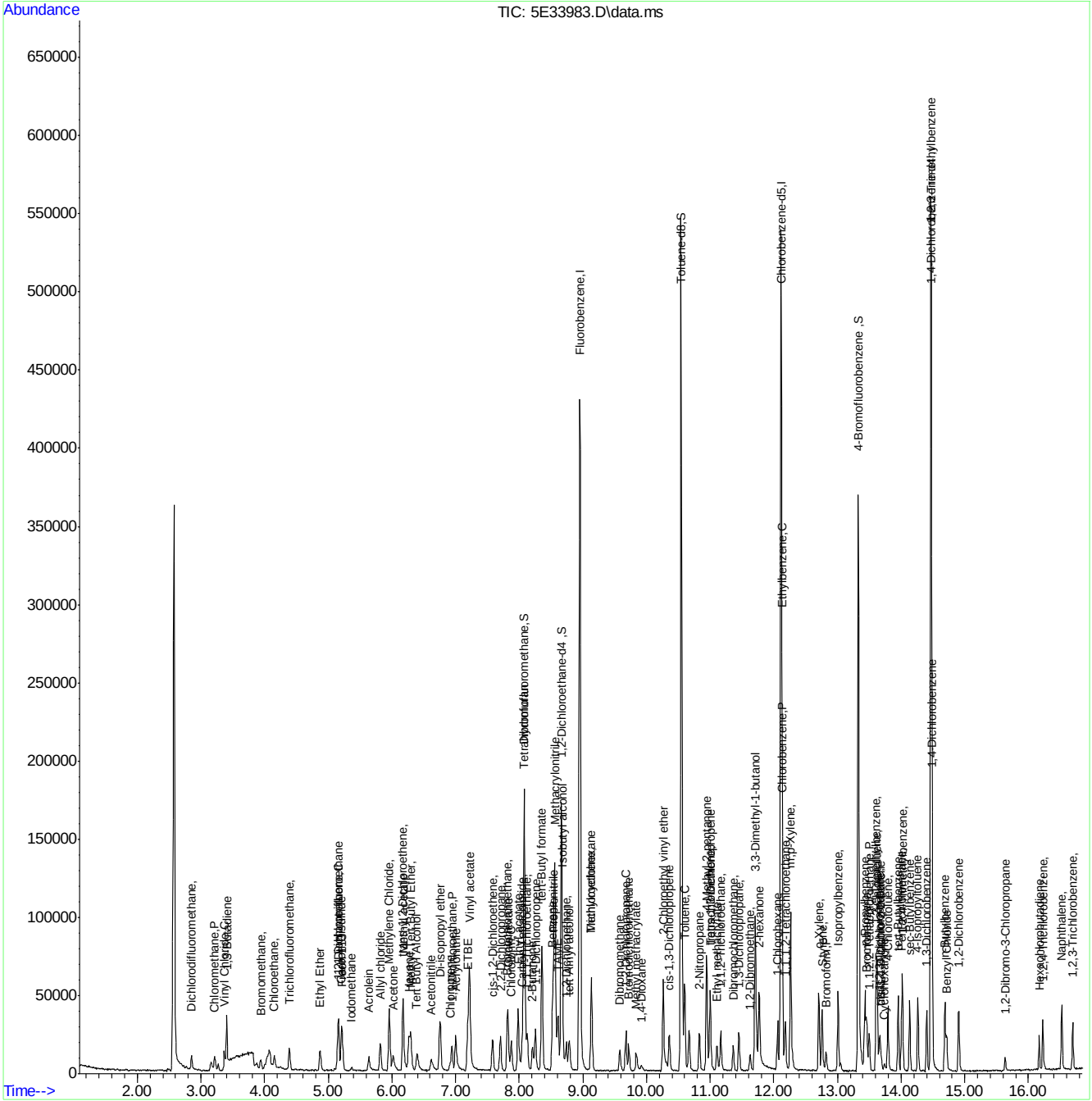
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) trans-1,4-Dichloro-2-B...	13.682	53	2496	2.91	ug/L	#	80
94) 1,2,3-Trichloropropane	13.663	110	3095	5.28	ug/L		82
95) Cyclohexanone	13.737	55	3267	24.01	ug/L	#	68
96) 4-Chlorotoluene	13.792	91	22678	5.46	ug/L		95
98) tert-Butylbenzene	13.956	91	14337	5.27	ug/L		94
99) 1,2,4-Trimethylbenzene	14.023	105	25703	5.41	ug/L		94
100) Pentachloroethane	14.011	167	4175	4.87	ug/L		96
101) sec-Butylbenzene	14.133	105	29775	5.40	ug/L		97
102) 4-Isopropyltoluene	14.261	119	25839	5.42	ug/L		96
103) 1,3-Dichlorobenzene	14.401	146	14681	5.36	ug/L		97
104) 1,2,3-Trimethylbenzene	14.474	105	25884	5.46	ug/L		94
105) 1,4-Dichlorobenzene	14.486	146	15779	5.54	ug/L		91
106) n-Butylbenzene	14.688	92	12767	4.87	ug/L		92
107) Benzyl Chloride	14.718	126	2774	4.03	ug/L	#	83
108) 1,2-Dichlorobenzene	14.907	146	15000	5.72	ug/L		92
109) 1,2-Dibromo-3-Chloropr...	15.639	75	1634	4.01	ug/L		86
110) Hexachlorobutadiene	16.169	225	2953	4.41	ug/L		94
111) 1,2,4-Trichlorobenzene	16.230	180	8880	5.36	ug/L		93
112) Naphthalene	16.523	128	29667	5.84	ug/L		100
113) 1,2,3-Trichlorobenzene	16.693	180	8486	5.28	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33983.D
Acq On : 6 Sep 2022 3:04 pm
Operator : courtnef
Sample : IC1549-2
Misc : MS52257,V5E1549,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 06 15:21:22 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner
09/07/22 11:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33984.D
Acq On : 6 Sep 2022 3:28 pm
Operator : courtnef
Sample : IC1549-3
Misc : MS52257,V5E1549,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 08:08:32 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.957	96	326738	50.00	ug/L		0.00
61) Chlorobenzene-d5	12.115	117	236614	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	113341	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.079	113	93119	50.97	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.94%				
49) 1,2-Dichloroethane-d4	8.664	65	93551	40.04	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 80.08%				
62) Toluene-d8	10.548	98	315194	51.94	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 103.88%				
86) 4-Bromofluorobenzene	13.328	95	104675	48.68	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.36%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.849	85	13587	8.47	ug/L		95
3) Chloromethane	3.220	50	17652	5.87	ug/L		100
4) Vinyl Chloride	3.373	62	17558	7.63	ug/L		99
5) 1,3-Butadiene	3.403	39	26700	11.34	ug/L		99
6) Bromomethane	3.940	94	5151	10.10	ug/L		90
7) Chloroethane	4.153	64	10822	9.03	ug/L		92
8) Trichlorofluoromethane	4.385	101	19810	8.91	ug/L		98
9) Ethyl Ether	4.873	59	13840	7.00	ug/L		83
10) Ethanol	5.092	45	5689	132.06	ug/L		93
11) 1,2-Dichlorotrifluoroe...	5.153	67	15375	8.76	ug/L		93
12) 1,1-Dichloroethene	5.159	61	24736	7.48	ug/L		91
13) Freon 113	5.220	101	13331	9.16	ug/L		98
14) Carbon Disulfide	5.208	76	42065	9.22	ug/L		95
15) Iodomethane	5.366	142	5433	6.45	ug/L		96
16) Acrolein	5.635	56	21620	38.44	ug/L		96
17) Allyl chloride	5.817	41	19728	5.80	ug/L		85
18) Methylene Chloride	5.958	49	31132	6.38	ug/L		75
19) Acetone	6.019	43	30223	32.29	ug/L		97
20) Methyl acetate	6.177	43	72492	30.83	ug/L		86
21) trans-1,2-Dichloroethene	6.177	61	23713	7.45	ug/L		85
22) Hexane	6.269	56	11380m	5.82	ug/L		
23) Methyl Tert Butyl Ether	6.299	73	36727	7.87	ug/L		83
24) Acetonitrile	6.616	41	24164	59.33	ug/L		94
25) Di-isopropyl ether	6.756	45	51325	6.18	ug/L		92
26) Chloroprene	6.915	53	4990	1.34	ug/L		78
27) 1,1-Dichloroethane	6.945	63	29517	7.79	ug/L		94
28) Acrylonitrile	7.000	53	40955	36.60	ug/L		99
29) ETBE	7.195	59	49717	6.49	ug/L		92
30) Tert Butyl Alcohol	6.397	59	28880	70.98	ug/L		97
31) Vinyl acetate	7.220	43	174215	31.24	ug/L		93
32) cis-1,2-Dichloroethene	7.585	96	15586	9.39	ug/L	#	81
33) 2,2-Dichloropropane	7.707	77	18986	7.48	ug/L		96
34) Bromochloromethane	7.811	128	8597	10.40	ug/L	#	60
35) Cyclohexane	7.823	56	27874	6.65	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33984.D
Acq On : 6 Sep 2022 3:28 pm
Operator : courtnef
Sample : IC1549-3
Misc : MS52257,V5E1549,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 08:08:32 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	7.878	83	25608	8.82	ug/L		91
37) Ethyl acetate	7.982	43	103048	32.98	ug/L		96
38) Tetrahydrofuran	8.079	42	7080	6.03	ug/L		92
40) Carbon Tetrachloride	8.055	117	19453	8.58	ug/L		92
41) 1,1,1-Trichloroethane	8.128	97	21407	8.11	ug/L		94
42) 2-Butanone	8.207	43	49926	30.51	ug/L		82
43) 1,1-Dichloropropene	8.256	75	18310	8.50	ug/L		91
44) tert-Butyl formate	8.360	59	45341	36.43	ug/L	#	72
45) Propionitrile	8.536	54	34705	66.52	ug/L		95
46) Methacrylonitrile	8.561	41	127309	62.05	ug/L		96
47) Benzene	8.524	78	56450	9.09	ug/L		84
48) TAME	8.610	73	36753	7.77	ug/L		84
50) 1,2-Dichloroethane	8.738	62	22038	7.45	ug/L		96
51) tert Amyl alcohol	8.786	59	21566	65.23	ug/L	#	82
52) Trichloroethene	9.134	95	15752	9.31	ug/L		96
53) Methylcyclohexane	9.134	83	20804	8.74	ug/L	#	76
54) Dibromomethane	9.585	93	9884	9.23	ug/L		97
55) 1,2-Dichloropropane	9.676	63	17473	8.04	ug/L		93
56) Bromodichloromethane	9.725	83	18254	8.53	ug/L		92
57) Methyl methacrylate	9.835	41	15583	5.96	ug/L		79
58) 1,4-Dioxane	9.920	88	4823	190.34	ug/L		76
59) 2-Chloroethyl vinyl ether	10.262	63	54978	43.33	ug/L		80
60) cis-1,3-Dichloropropene	10.359	75	20868	8.43	ug/L		84
63) Toluene	10.597	91	61909	10.40	ug/L		95
64) Isobutyl alcohol	8.683	43	20609	132.72	ug/L		96
65) 2-Nitropropane	10.829	41	29711	37.97	ug/L		91
66) 4-Methyl-2-pentanone	10.945	43	105640	36.52	ug/L		96
67) trans-1,3-Dichloropropene	10.999	75	16649	8.45	ug/L		85
68) Tetrachloroethene	10.999	166	15381	9.75	ug/L		96
69) Ethyl methacrylate	11.103	69	18583	9.61	ug/L	#	76
70) 1,1,2-Trichloroethane	11.164	83	11437	10.23	ug/L		91
71) Dibromochloromethane	11.359	129	16471	10.59	ug/L		98
72) 1,3-Dichloropropane	11.451	76	21847	9.54	ug/L		84
73) 1,2-Dibromoethane	11.627	107	14520	10.39	ug/L		95
74) 3,3-Dimethyl-1-butanol	11.707	57	133991	395.96	ug/L		86
75) 2-hexanone	11.768	43	75783	37.49	ug/L		94
76) 1-Chlorohexane	12.060	91	17384	10.33	ug/L	#	69
77) Ethylbenzene	12.127	91	65174	9.89	ug/L		93
78) Chlorobenzene	12.133	112	39742	10.50	ug/L		90
79) 1,1,1,2-Tetrachloroethane	12.182	131	14544	10.02	ug/L		94
80) m,p-Xylene	12.261	91	101162	19.90	ug/L		97
81) o-Xylene	12.706	91	49743	9.82	ug/L		93
82) Styrene	12.755	104	37972	9.97	ug/L		91
83) Bromoform	12.822	173	10315	9.68	ug/L		95
84) Isopropylbenzene	13.011	105	60646	9.95	ug/L		97
87) cis-1,4-Dichloro-2-butene	13.682	53	5918	7.12	ug/L	#	87
88) n-Propylbenzene	13.432	91	69706	10.74	ug/L		99
89) Bromobenzene	13.456	156	16037	10.73	ug/L		88
90) 1,1,2,2-Tetrachloroethane	13.499	83	20887	11.66	ug/L		97
91) 1,3,5-Trimethylbenzene	13.609	105	49777	10.83	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33984.D
Acq On : 6 Sep 2022 3:28 pm
Operator : courtnef
Sample : IC1549-3
Misc : MS52257,V5E1549,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 08:08:32 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

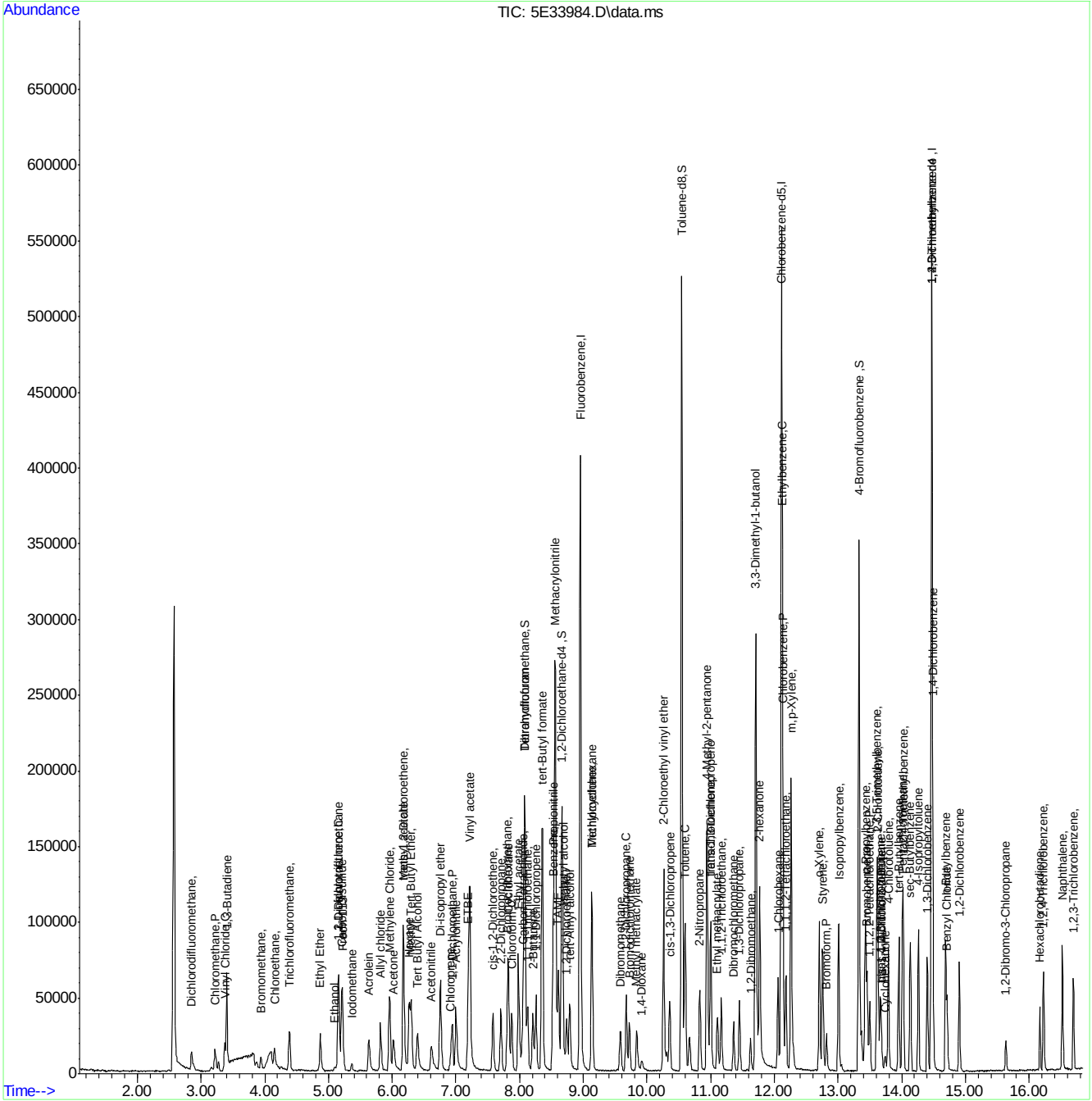
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.621	91	46264	10.62	ug/L		93
93) trans-1,4-Dichloro-2-B...	13.682	53	5918	7.12	ug/L	#	83
94) 1,2,3-Trichloropropane	13.664	110	5991	10.59	ug/L		95
95) Cyclohexanone	13.737	55	7647	58.27	ug/L		96
96) 4-Chlorotoluene	13.792	91	43243	10.80	ug/L		98
98) tert-Butylbenzene	13.950	91	27033	10.30	ug/L		93
99) 1,2,4-Trimethylbenzene	14.023	105	48229	10.52	ug/L		96
100) Pentachloroethane	14.011	167	8161	9.87	ug/L		95
101) sec-Butylbenzene	14.133	105	54490	10.22	ug/L		97
102) 4-Isopropyltoluene	14.261	119	47961	10.42	ug/L		98
103) 1,3-Dichlorobenzene	14.401	146	28220	10.68	ug/L		97
104) 1,2,3-Trimethylbenzene	14.474	105	49407	10.81	ug/L		95
105) 1,4-Dichlorobenzene	14.487	146	29435	10.71	ug/L		97
106) n-Butylbenzene	14.688	92	25062	9.92	ug/L		98
107) Benzyl Chloride	14.712	126	6235	9.28	ug/L		97
108) 1,2-Dichlorobenzene	14.901	146	27189	10.75	ug/L		97
109) 1,2-Dibromo-3-Chloropr...	15.633	75	3492	8.88	ug/L		90
110) Hexachlorobutadiene	16.169	225	5854	9.07	ug/L		91
111) 1,2,4-Trichlorobenzene	16.224	180	16381	10.24	ug/L		96
112) Naphthalene	16.523	128	57528	11.75	ug/L		97
113) 1,2,3-Trichlorobenzene	16.693	180	16361	10.55	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33984.D
Acq On : 6 Sep 2022 3:28 pm
Operator : courtnef
Sample : IC1549-3
Misc : MS52257,V5E1549,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 08:08:32 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V5E1549-IC1549
Lab FileID: 5E33984.D
Injection Time: 09/06/22 15:28

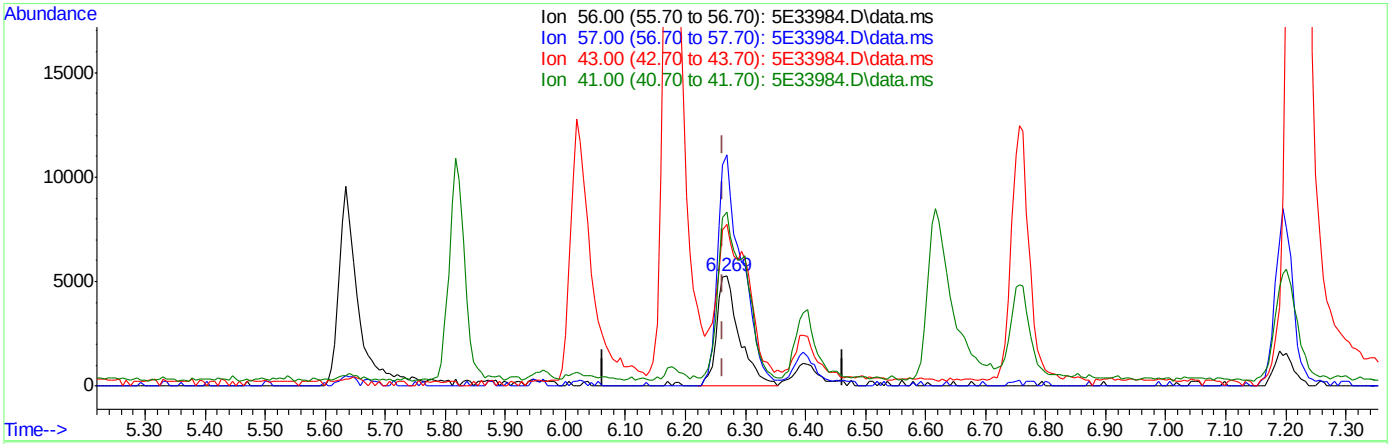
Method: SW846 8260D
Analyst approved: 09/07/22 08:31 Courtney Failla
Supervisor approved: 09/07/22 11:45 Lindsay Ritner

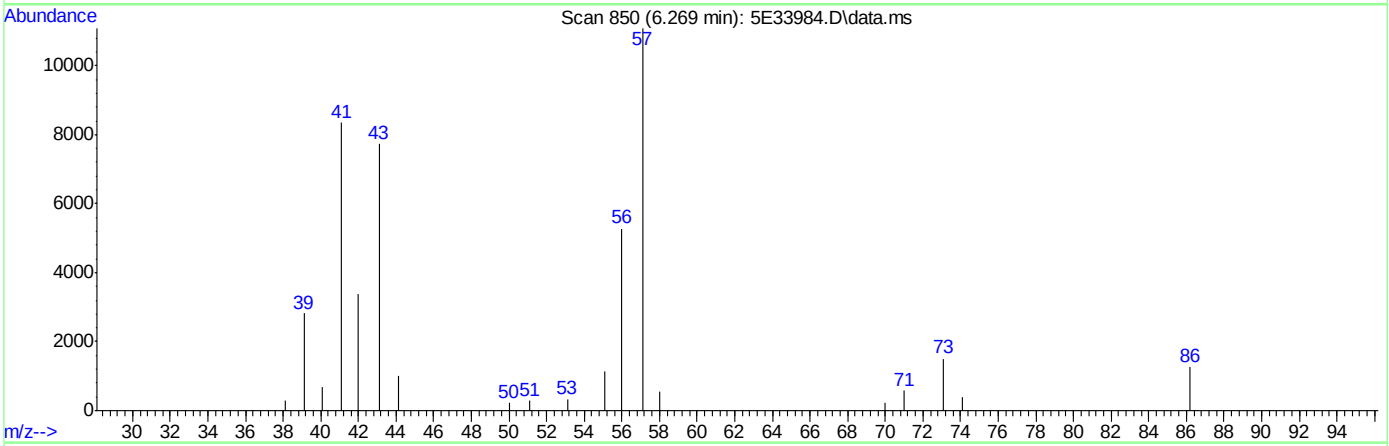
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.27	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33984.D
Acq On : 6 Sep 2022 3:28 pm
Operator : courtnef
Sample : IC1549-3
Misc : MS52257,V5E1549,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 06 15:46:48 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration





TIC: 5E33984.D\data.ms

(22) Hexane

6.269min (+0.006) 7.10ug/L

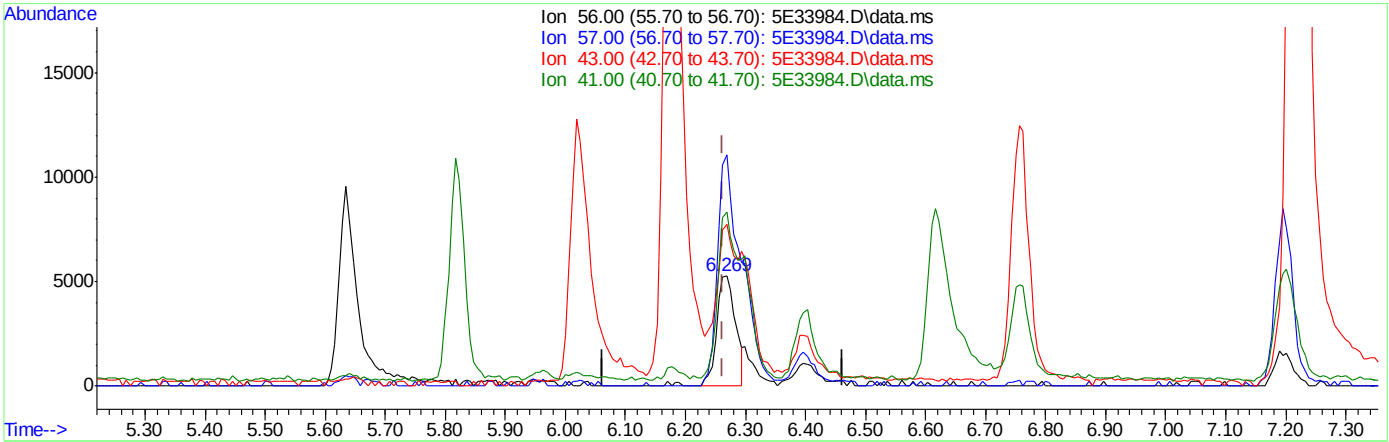
response 13888

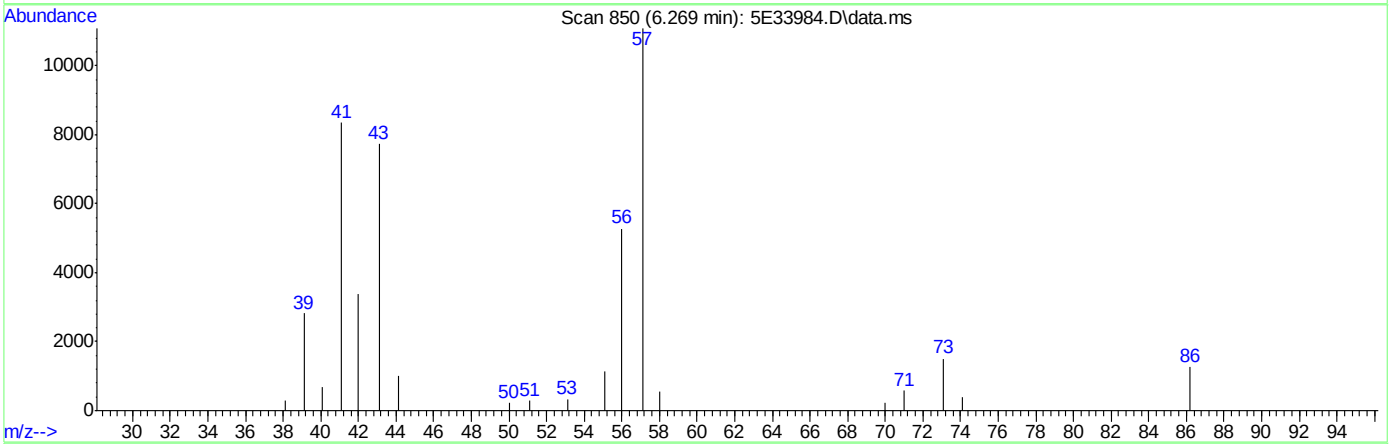
Ion	Exp%	Act%
56.00	100	100
57.00	193.50	210.24
43.00	131.90	132.48
41.00	139.10	150.58

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33984.D
Acq On : 6 Sep 2022 3:28 pm
Operator : courtnef
Sample : IC1549-3
Misc : MS52257,V5E1549,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 06 15:46:48 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration





TIC: 5E33984.D\data.ms

(22) Hexane

6.269min (+0.006) 5.82ug/L m

response 11380

Ion	Exp%	Act%
56.00	100	100
57.00	193.50	210.24
43.00	131.90	146.59
41.00	139.10	158.19

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner
09/07/22 11:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33985.D
Acq On : 6 Sep 2022 3:52 pm
Operator : courtnef
Sample : IC1549-4
Misc : MS52257,V5E1549,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 08:08:18 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.957	96	329763	50.00	ug/L		0.00
61) Chlorobenzene-d5	12.115	117	243514	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	116690	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.079	113	94377	51.19	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.38%				
49) 1,2-Dichloroethane-d4	8.665	65	95522	40.51	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 81.02%				
62) Toluene-d8	10.542	98	317495	50.83	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.66%				
86) 4-Bromofluorobenzene	13.328	95	109384	49.41	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.82%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.849	85	36140	22.33	ug/L		98
3) Chloromethane	3.220	50	46568	15.34	ug/L		99
4) Vinyl Chloride	3.367	62	46869	20.18	ug/L		99
5) 1,3-Butadiene	3.403	39	47992	20.20	ug/L		94
6) Bromomethane	3.940	94	13851	26.92	ug/L		99
7) Chloroethane	4.147	64	28355	24.51	ug/L		95
8) Trichlorofluoromethane	4.385	101	54623	24.35	ug/L		99
9) Ethyl Ether	4.873	59	36223	18.15	ug/L		81
10) Ethanol	5.104	45	14050	323.15	ug/L		91
11) 1,2-Dichlorotrifluoroe...	5.153	67	40285	22.73	ug/L		98
12) 1,1-Dichloroethene	5.159	61	62583	18.76	ug/L		90
13) Freon 113	5.220	101	32381	22.05	ug/L		97
14) Carbon Disulfide	5.208	76	106206	23.07	ug/L		95
15) Iodomethane	5.366	142	21735	23.46	ug/L		95
16) Acrolein	5.635	56	51260	90.29	ug/L		100
17) Allyl chloride	5.817	41	48797	14.21	ug/L		83
18) Methylene Chloride	5.958	49	63297	13.12	ug/L		73
19) Acetone	6.019	43	78652	83.69	ug/L		97
20) Methyl acetate	6.177	43	193814	81.68	ug/L		89
21) trans-1,2-Dichloroethene	6.171	61	61455	19.13	ug/L		88
22) Hexane	6.269	56	27394m	13.87	ug/L		
23) Methyl Tert Butyl Ether	6.299	73	94694	20.13	ug/L		77
24) Acetonitrile	6.616	41	60675	147.04	ug/L		96
25) Di-isopropyl ether	6.756	45	130849	15.62	ug/L		90
26) Chloroprene	6.915	53	12226	3.24	ug/L		84
27) 1,1-Dichloroethane	6.945	63	76154	19.92	ug/L		96
28) Acrylonitrile	7.000	53	100114	88.65	ug/L		99
29) ETBE	7.195	59	132847	17.17	ug/L		93
30) Tert Butyl Alcohol	6.397	59	70981	172.86	ug/L		98
31) Vinyl acetate	7.220	43	453181	80.51	ug/L		94
32) cis-1,2-Dichloroethene	7.585	96	40573	24.23	ug/L	#	79
33) 2,2-Dichloropropane	7.707	77	49239	19.22	ug/L		97
34) Bromochloromethane	7.811	128	21784	26.12	ug/L	#	63
35) Cyclohexane	7.829	56	68496	16.18	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33985.D
Acq On : 6 Sep 2022 3:52 pm
Operator : courtnef
Sample : IC1549-4
Misc : MS52257,V5E1549,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 08:08:18 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	7.878	83	66074	22.54	ug/L		91
37) Ethyl acetate	7.982	43	264105	83.76	ug/L		95
38) Tetrahydrofuran	8.073	42	16944	14.30	ug/L		79
40) Carbon Tetrachloride	8.055	117	51005	22.28	ug/L		98
41) 1,1,1-Trichloroethane	8.128	97	54929	20.61	ug/L		98
42) 2-Butanone	8.207	43	127919	77.45	ug/L		82
43) 1,1-Dichloropropene	8.256	75	47152	21.68	ug/L		90
44) tert-Butyl formate	8.354	59	119673	95.27	ug/L	#	72
45) Propionitrile	8.536	54	86020	163.37	ug/L		98
46) Methacrylonitrile	8.561	41	321910	155.46	ug/L		96
47) Benzene	8.524	78	145361	23.19	ug/L		85
48) TAME	8.610	73	98266	20.57	ug/L		86
50) 1,2-Dichloroethane	8.738	62	57447	19.25	ug/L		95
51) tert Amyl alcohol	8.786	59	55946	167.66	ug/L		84
52) Trichloroethene	9.134	95	39935	23.38	ug/L		95
53) Methylcyclohexane	9.134	83	50112	20.87	ug/L	#	76
54) Dibromomethane	9.579	93	26572	24.57	ug/L		99
55) 1,2-Dichloropropane	9.677	63	44905	20.49	ug/L		93
56) Bromodichloromethane	9.725	83	48767	22.59	ug/L		95
57) Methyl methacrylate	9.835	41	42052	15.94	ug/L		79
58) 1,4-Dioxane	9.920	88	12395	479.87	ug/L		80
59) 2-Chloroethyl vinyl ether	10.262	63	135313	105.66	ug/L		80
60) cis-1,3-Dichloropropene	10.359	75	55825	22.34	ug/L		88
63) Toluene	10.597	91	158972	25.96	ug/L		98
64) Isobutyl alcohol	8.677	43	52201	326.64	ug/L		94
65) 2-Nitropropane	10.829	41	80342	99.76	ug/L		94
66) 4-Methyl-2-pentanone	10.945	43	277461	93.19	ug/L		95
67) trans-1,3-Dichloropropene	10.999	75	46425	22.70	ug/L		89
68) Tetrachloroethene	10.999	166	41628	25.64	ug/L		95
69) Ethyl methacrylate	11.103	69	49033	24.31	ug/L	#	83
70) 1,1,2-Trichloroethane	11.164	83	29905	25.99	ug/L		92
71) Dibromochloromethane	11.359	129	43471	27.15	ug/L		98
72) 1,3-Dichloropropane	11.451	76	57659	24.47	ug/L		84
73) 1,2-Dibromoethane	11.627	107	38438	26.71	ug/L		93
74) 3,3-Dimethyl-1-butanol	11.707	57	341226	979.78	ug/L		87
75) 2-hexanone	11.768	43	203416	97.78	ug/L		95
76) 1-Chlorohexane	12.060	91	45063	26.01	ug/L	#	71
77) Ethylbenzene	12.127	91	169588	25.01	ug/L		92
78) Chlorobenzene	12.133	112	103475	26.57	ug/L		90
79) 1,1,1,2-Tetrachloroethane	12.182	131	39201	26.25	ug/L		95
80) m,p-Xylene	12.261	91	260573	49.81	ug/L		98
81) o-Xylene	12.706	91	131243	25.19	ug/L		96
82) Styrene	12.755	104	103178	26.32	ug/L		91
83) Bromoform	12.822	173	28563	26.05	ug/L		97
84) Isopropylbenzene	13.011	105	159713	25.47	ug/L		98
87) cis-1,4-Dichloro-2-butene	13.682	53	16114	18.59	ug/L	#	80
88) n-Propylbenzene	13.432	91	183943	27.52	ug/L		99
89) Bromobenzene	13.456	156	43004	27.96	ug/L		88
90) 1,1,2,2-Tetrachloroethane	13.499	83	54521	29.56	ug/L		94
91) 1,3,5-Trimethylbenzene	13.609	105	132446	27.99	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33985.D
Acq On : 6 Sep 2022 3:52 pm
Operator : courtnef
Sample : IC1549-4
Misc : MS52257,V5E1549,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 08:08:18 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

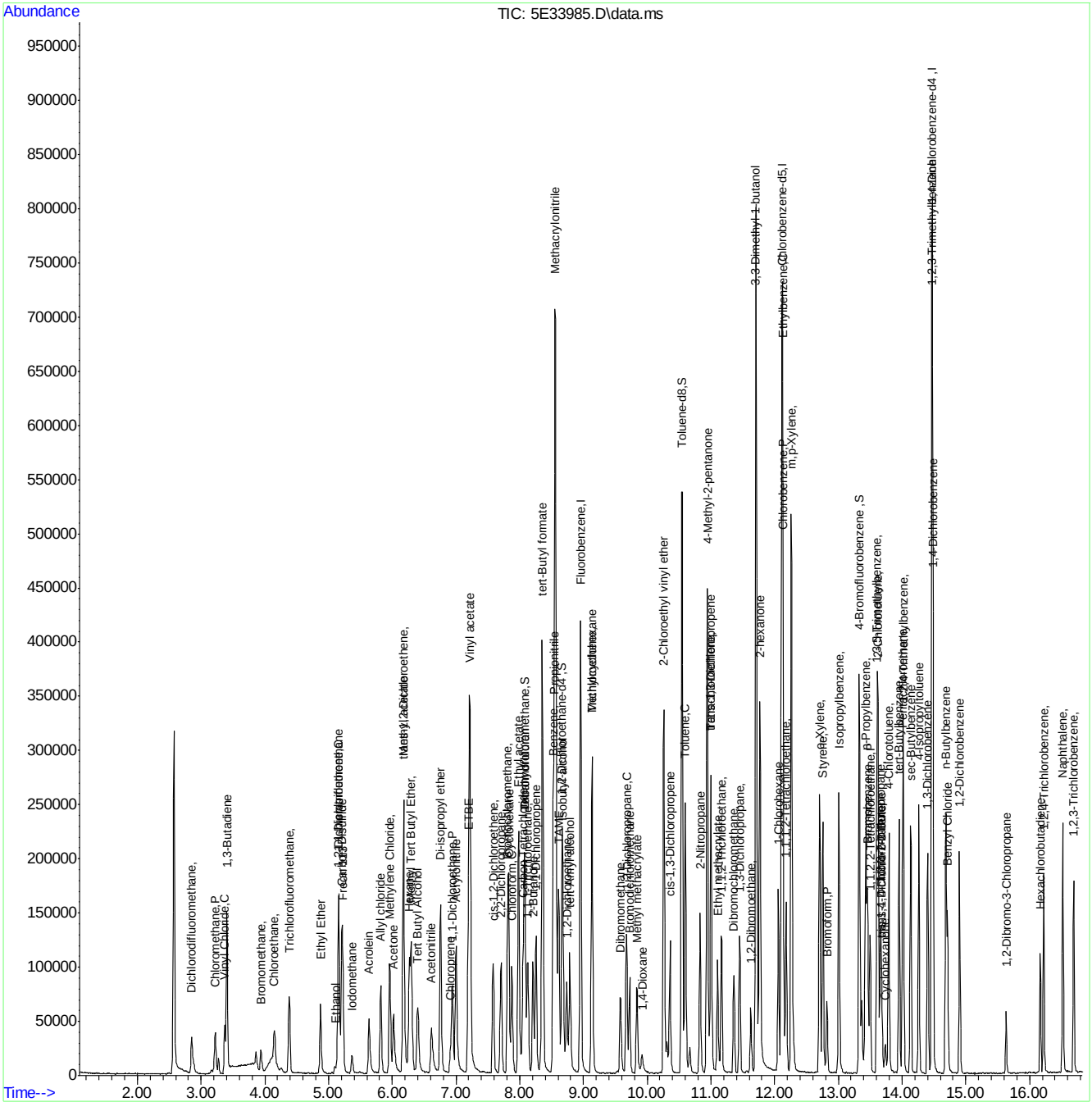
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.621	91	123250	27.48	ug/L		94
93) trans-1,4-Dichloro-2-B...	13.682	53	16114	18.59	ug/L	#	76
94) 1,2,3-Trichloropropane	13.664	110	15562	26.73	ug/L		89
95) Cyclohexanone	13.737	55	13076	96.77	ug/L		84
96) 4-Chlorotoluene	13.792	91	111430	27.03	ug/L		95
98) tert-Butylbenzene	13.956	91	68424	25.31	ug/L		90
99) 1,2,4-Trimethylbenzene	14.023	105	128823	27.29	ug/L		98
100) Pentachloroethane	14.011	167	22304	26.21	ug/L		98
101) sec-Butylbenzene	14.133	105	144879	26.20	ug/L		97
102) 4-Isopropyltoluene	14.261	119	127484	26.91	ug/L		97
103) 1,3-Dichlorobenzene	14.401	146	75041	27.58	ug/L		98
104) 1,2,3-Trimethylbenzene	14.474	105	130674	27.77	ug/L		98
105) 1,4-Dichlorobenzene	14.487	146	79357	28.05	ug/L		98
106) n-Butylbenzene	14.688	92	66934	25.73	ug/L		99
107) Benzyl Chloride	14.712	126	18750	26.16	ug/L	#	90
108) 1,2-Dichlorobenzene	14.901	146	72953	28.02	ug/L		97
109) 1,2-Dibromo-3-Chloropr...	15.633	75	9690	23.93	ug/L		91
110) Hexachlorobutadiene	16.169	225	15095	22.71	ug/L		94
111) 1,2,4-Trichlorobenzene	16.224	180	46009	27.94	ug/L		98
112) Naphthalene	16.523	128	158217	31.37	ug/L		99
113) 1,2,3-Trichlorobenzene	16.693	180	44078	27.61	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33985.D
Acq On : 6 Sep 2022 3:52 pm
Operator : courtnef
Sample : IC1549-4
Misc : MS52257,V5E1549,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 08:08:18 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V5E1549-IC1549
Lab FileID: 5E33985.D
Injection Time: 09/06/22 15:52

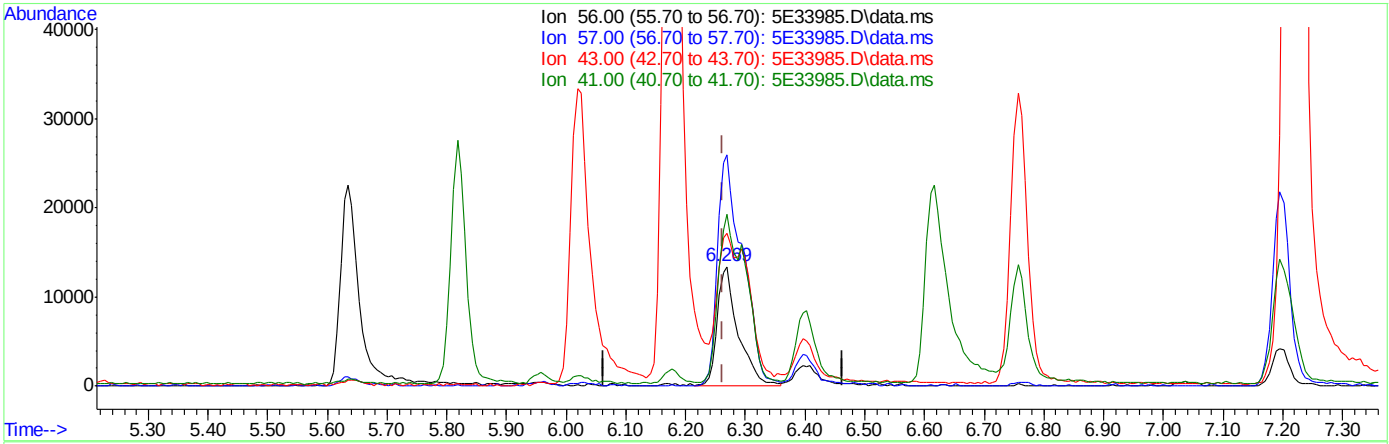
Method: SW846 8260D
Analyst approved: 09/07/22 08:31 Courtney Failla
Supervisor approved: 09/07/22 11:45 Lindsay Ritner

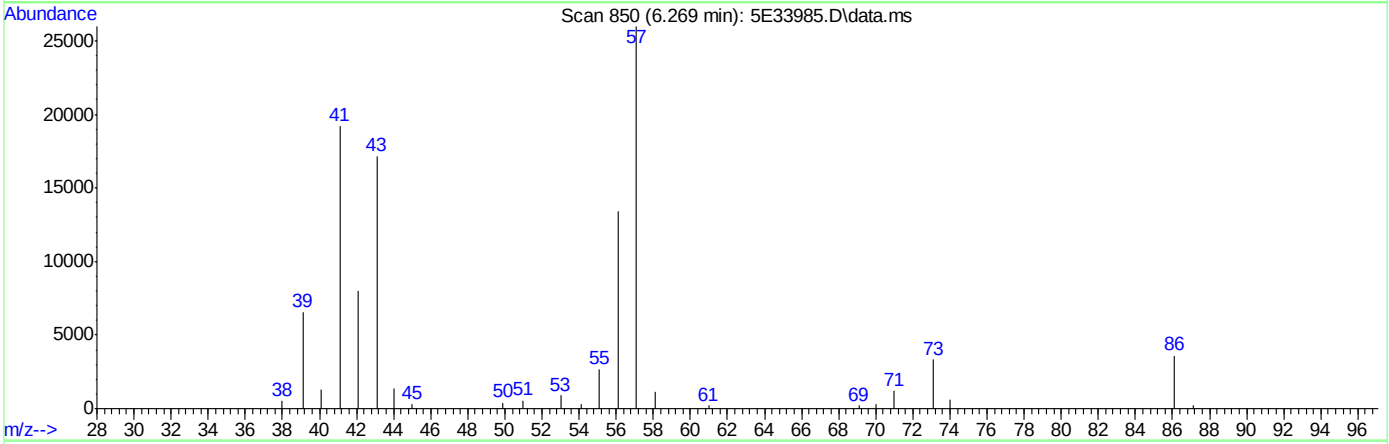
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.27	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33985.D
Acq On : 6 Sep 2022 3:52 pm
Operator : courtnef
Sample : IC1549-4
Misc : MS52257,V5E1549,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 06 16:15:47 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration





TIC: 5E33985.D\data.ms

(22) Hexane

6.269min (+0.006) 16.61ug/L

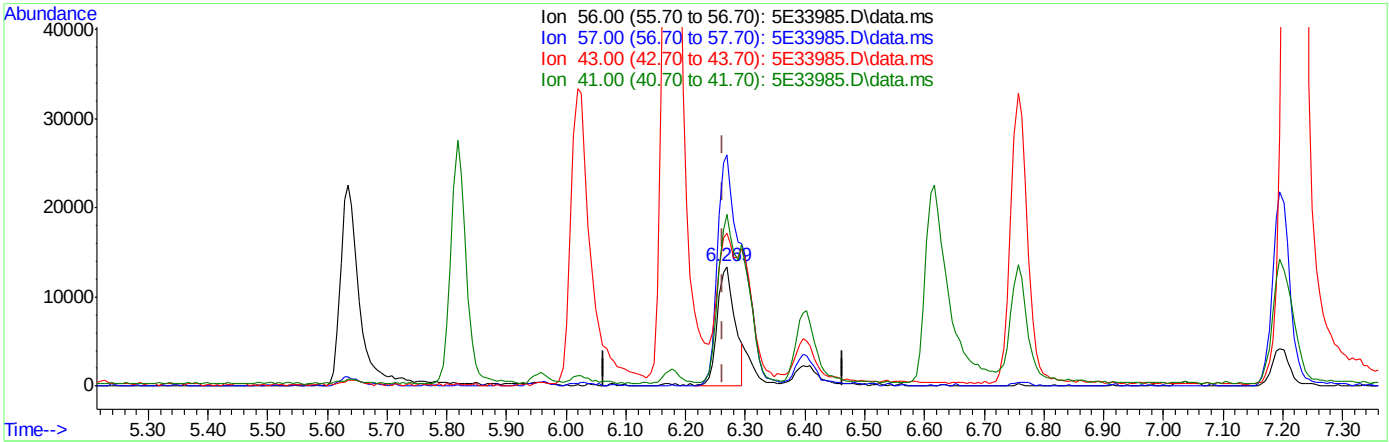
response 32789

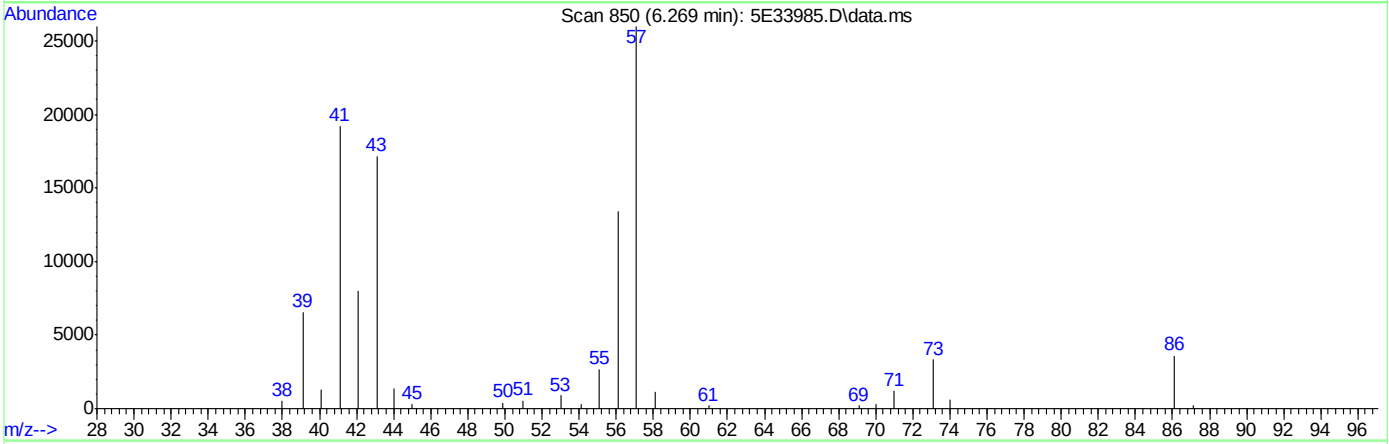
Ion	Exp%	Act%
56.00	100	100
57.00	193.50	193.55
43.00	131.90	117.72
41.00	139.10	139.92

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33985.D
Acq On : 6 Sep 2022 3:52 pm
Operator : courtnef
Sample : IC1549-4
Misc : MS52257,V5E1549,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 06 16:15:47 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration





TIC: 5E33985.D\data.ms

(22) Hexane

6.269min (+0.006) 13.87ug/L m

response 27394

Ion	Exp%	Act%
56.00	100	100
57.00	193.50	193.55
43.00	131.90	127.88
41.00	139.10	143.31

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner
09/07/22 11:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33986.D
Acq On : 6 Sep 2022 4:16 pm
Operator : courtnef
Sample : ICC1549-5
Misc : MS52257,V5E1549,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 08:07:54 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.951	96	336048	50.00	ug/L	0.00
61) Chlorobenzene-d5	12.115	117	248956	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	123418	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.079	113	95516	50.83	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.66%			
49) 1,2-Dichloroethane-d4	8.665	65	95939	39.93	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 79.86%			
62) Toluene-d8	10.548	98	323833	50.71	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.42%			
86) 4-Bromofluorobenzene	13.328	95	113531	48.48	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	57463	34.84	ug/L	96
3) Chloromethane	3.227	50	74523	24.08	ug/L	97
4) Vinyl Chloride	3.367	62	76793	32.44	ug/L	97
5) 1,3-Butadiene	3.403	39	71213	29.41	ug/L	98
6) Bromomethane	3.940	94	22863	43.60	ug/L	94
7) Chloroethane	4.147	64	41113	36.10	ug/L	97
8) Trichlorofluoromethane	4.379	101	87916	38.46	ug/L	100
9) Ethyl Ether	4.879	59	59303	29.16	ug/L	80
10) Ethanol	5.104	45	23551	531.54	ug/L	93
11) 1,2-Dichlorotrifluoroe...	5.153	67	67081	37.14	ug/L	94
12) 1,1-Dichloroethene	5.159	61	105105	30.92	ug/L	87
13) Freon 113	5.220	101	56964	38.06	ug/L	97
14) Carbon Disulfide	5.208	76	175125	37.33	ug/L	94
15) Iodomethane	5.366	142	40702	39.96	ug/L	95
16) Acrolein	5.635	56	83861	144.96	ug/L	98
17) Allyl chloride	5.817	41	79427	22.70	ug/L	79
18) Methylene Chloride	5.958	49	99423	20.71	ug/L	75
19) Acetone	6.019	43	129911	136.39	ug/L	93
20) Methyl acetate	6.177	43	325773	134.72	ug/L	86
21) trans-1,2-Dichloroethene	6.171	61	101859	31.11	ug/L	88
22) Hexane	6.263	56	45933m	22.83	ug/L	
23) Methyl Tert Butyl Ether	6.299	73	155017	32.37	ug/L	86
24) Acetonitrile	6.616	41	102459	242.65	ug/L	97
25) Di-isopropyl ether	6.756	45	211928	24.82	ug/L	89
26) Chloroprene	6.915	53	19863	5.17	ug/L	83
27) 1,1-Dichloroethane	6.945	63	122914	31.54	ug/L	98
28) Acrylonitrile	7.000	53	166628	144.79	ug/L	99
29) ETBE	7.195	59	216449	27.45	ug/L	92
30) Tert Butyl Alcohol	6.403	59	120901	288.93	ug/L	98
31) Vinyl acetate	7.220	43	731809	127.58	ug/L	93
32) cis-1,2-Dichloroethene	7.579	96	64950	38.06	ug/L	85
33) 2,2-Dichloropropane	7.707	77	81364	31.16	ug/L	98
34) Bromochloromethane	7.811	128	34990	41.16	ug/L #	62
35) Cyclohexane	7.823	56	116704	27.06	ug/L	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33986.D
Acq On : 6 Sep 2022 4:16 pm
Operator : courtnef
Sample : ICC1549-5
Misc : MS52257,V5E1549,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 08:07:54 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	7.878	83	107394	35.96	ug/L		92
37) Ethyl acetate	7.982	43	431369	134.24	ug/L		96
38) Tetrahydrofuran	8.067	42	27947	23.14	ug/L		90
40) Carbon Tetrachloride	8.055	117	84519	36.23	ug/L		98
41) 1,1,1-Trichloroethane	8.128	97	92332	34.00	ug/L		94
42) 2-Butanone	8.207	43	212269	126.12	ug/L		83
43) 1,1-Dichloropropene	8.256	75	79660	35.94	ug/L		88
44) tert-Butyl formate	8.360	59	200072	156.30	ug/L	#	77
45) Propionitrile	8.536	54	143920	268.22	ug/L		100
46) Methacrylonitrile	8.561	41	536815	254.39	ug/L		95
47) Benzene	8.524	78	236116	36.96	ug/L		85
48) TAME	8.610	73	159983	32.87	ug/L		87
50) 1,2-Dichloroethane	8.738	62	94500	31.07	ug/L		96
51) tert Amyl alcohol	8.786	59	99379	292.25	ug/L		86
52) Trichloroethene	9.134	95	65589	37.69	ug/L		92
53) Methylcyclohexane	9.134	83	87738	35.86	ug/L	#	75
54) Dibromomethane	9.579	93	41733	37.87	ug/L		95
55) 1,2-Dichloropropane	9.677	63	72635	32.52	ug/L		94
56) Bromodichloromethane	9.725	83	79657	36.21	ug/L		96
57) Methyl methacrylate	9.835	41	67845	25.24	ug/L		80
58) 1,4-Dioxane	9.920	88	21672	814.00	ug/L		79
59) 2-Chloroethyl vinyl ether	10.262	63	219202	167.97	ug/L		82
60) cis-1,3-Dichloropropene	10.359	75	91484	35.92	ug/L		87
63) Toluene	10.597	91	260852	41.66	ug/L		96
64) Isobutyl alcohol	8.677	43	92407	565.58	ug/L		94
65) 2-Nitropropane	10.829	41	138330	168.01	ug/L		94
66) 4-Methyl-2-pentanone	10.938	43	458672	150.69	ug/L		96
67) trans-1,3-Dichloropropene	10.999	75	77121	36.58	ug/L		92
68) Tetrachloroethene	10.999	166	68883	41.50	ug/L		98
69) Ethyl methacrylate	11.103	69	81689	39.10	ug/L	#	81
70) 1,1,2-Trichloroethane	11.164	83	48970	41.63	ug/L		91
71) Dibromochloromethane	11.359	129	72107	44.05	ug/L		96
72) 1,3-Dichloropropane	11.451	76	94053	39.04	ug/L		83
73) 1,2-Dibromoethane	11.627	107	63713	43.31	ug/L		97
74) 3,3-Dimethyl-1-butanol	11.707	57	595609	1672.82	ug/L		88
75) 2-hexanone	11.768	43	337269	158.58	ug/L		94
76) 1-Chlorohexane	12.060	91	77844	43.96	ug/L	#	70
77) Ethylbenzene	12.127	91	278432	40.17	ug/L		92
78) Chlorobenzene	12.133	112	171078	42.97	ug/L		88
79) 1,1,1,2-Tetrachloroethane	12.182	131	65359	42.81	ug/L		97
80) m,p-Xylene	12.261	91	435656	81.45	ug/L		99
81) o-Xylene	12.706	91	217587	40.85	ug/L		97
82) Styrene	12.755	104	173900	43.39	ug/L		90
83) Bromoform	12.822	173	47784	42.63	ug/L		98
84) Isopropylbenzene	13.011	105	268124	41.83	ug/L		97
87) cis-1,4-Dichloro-2-butene	13.682	53	28231	30.41	ug/L	#	78
88) n-Propylbenzene	13.426	91	308053	43.58	ug/L		100
89) Bromobenzene	13.456	156	71180	43.75	ug/L		88
90) 1,1,2,2-Tetrachloroethane	13.499	83	91097	46.70	ug/L		97
91) 1,3,5-Trimethylbenzene	13.609	105	222939	44.54	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33986.D
Acq On : 6 Sep 2022 4:16 pm
Operator : courtnef
Sample : ICC1549-5
Misc : MS52257,V5E1549,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 08:07:54 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.621	91	203296	42.86	ug/L		94
93) trans-1,4-Dichloro-2-B...	13.682	53	28231	30.41	ug/L	#	75
94) 1,2,3-Trichloropropane	13.664	110	26149	42.46	ug/L		93
95) Cyclohexanone	13.737	55	24010	168.01	ug/L		86
96) 4-Chlorotoluene	13.792	91	184860	42.39	ug/L		96
98) tert-Butylbenzene	13.950	91	116713	40.82	ug/L		94
99) 1,2,4-Trimethylbenzene	14.023	105	218719	43.80	ug/L		98
100) Pentachloroethane	14.011	167	37308	41.45	ug/L		92
101) sec-Butylbenzene	14.133	105	251268	42.64	ug/L		97
102) 4-Isopropyltoluene	14.261	119	218582	43.63	ug/L		99
103) 1,3-Dichlorobenzene	14.401	146	126327	43.90	ug/L		97
104) 1,2,3-Trimethylbenzene	14.474	105	218224	43.85	ug/L		97
105) 1,4-Dichlorobenzene	14.487	146	131128	43.83	ug/L		98
106) n-Butylbenzene	14.688	92	118314	43.01	ug/L		98
107) Benzyl Chloride	14.712	126	33892	43.19	ug/L	#	88
108) 1,2-Dichlorobenzene	14.901	146	120504	43.76	ug/L		97
109) 1,2-Dibromo-3-Chloropr...	15.633	75	16562	38.67	ug/L		88
110) Hexachlorobutadiene	16.169	225	26224	37.30	ug/L		94
111) 1,2,4-Trichlorobenzene	16.224	180	79748	45.79	ug/L		98
112) Naphthalene	16.523	128	271919	50.98	ug/L		99
113) 1,2,3-Trichlorobenzene	16.693	180	76000	45.02	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

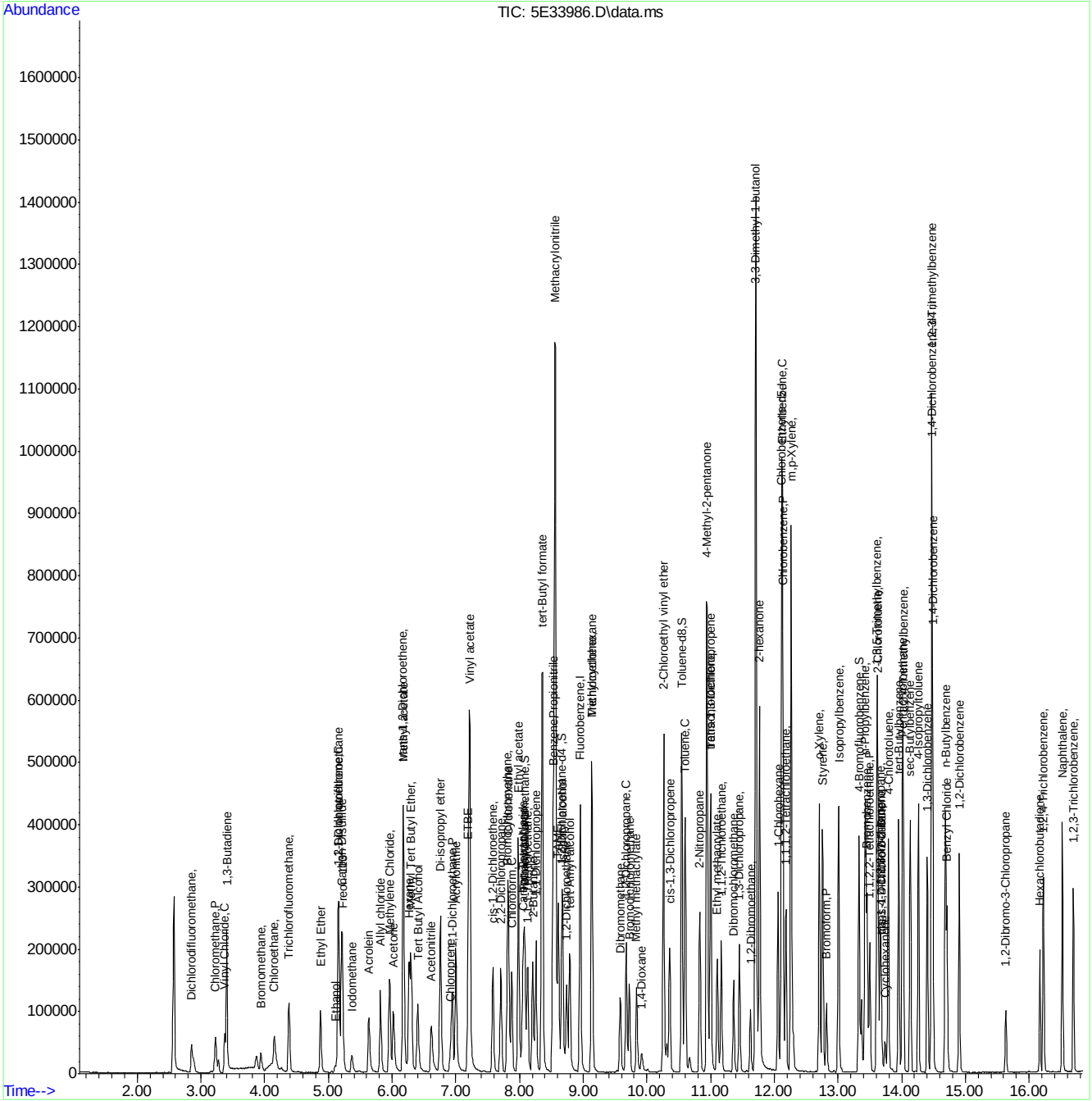
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33986.D
Acq On : 6 Sep 2022 4:16 pm
Operator : courtnef
Sample : ICC1549-5
Misc : MS52257,V5E1549,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 08:07:54 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V5E1549-ICC1549
Lab FileID: 5E33986.D
Injection Time: 09/06/22 16:16

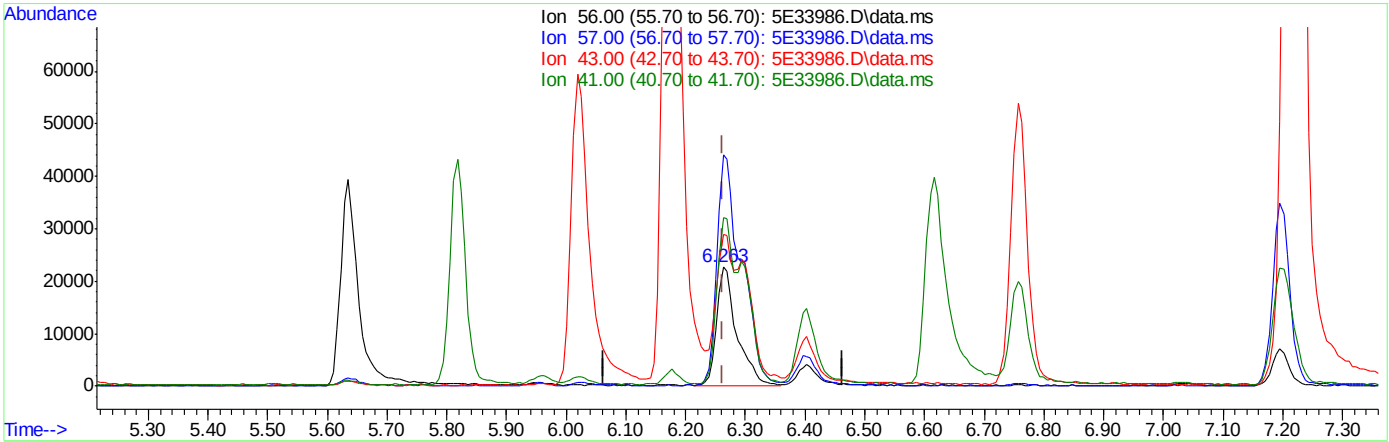
Method: SW846 8260D
Analyst approved: 09/07/22 08:31 Courtney Failla
Supervisor approved: 09/07/22 11:45 Lindsay Ritner

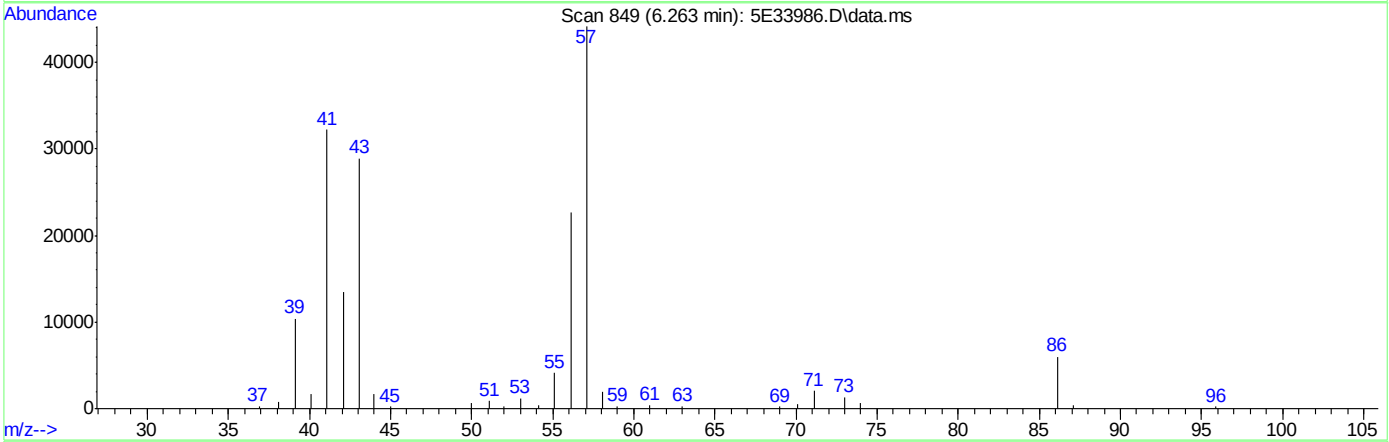
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.26	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33986.D
Acq On : 6 Sep 2022 4:16 pm
Operator : courtnef
Sample : ICC1549-5
Misc : MS52257,V5E1549,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 08:05:34 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration





TIC: 5E33986.D\data.ms

(22) Hexane

6.263min (-0.000) 26.90ug/L

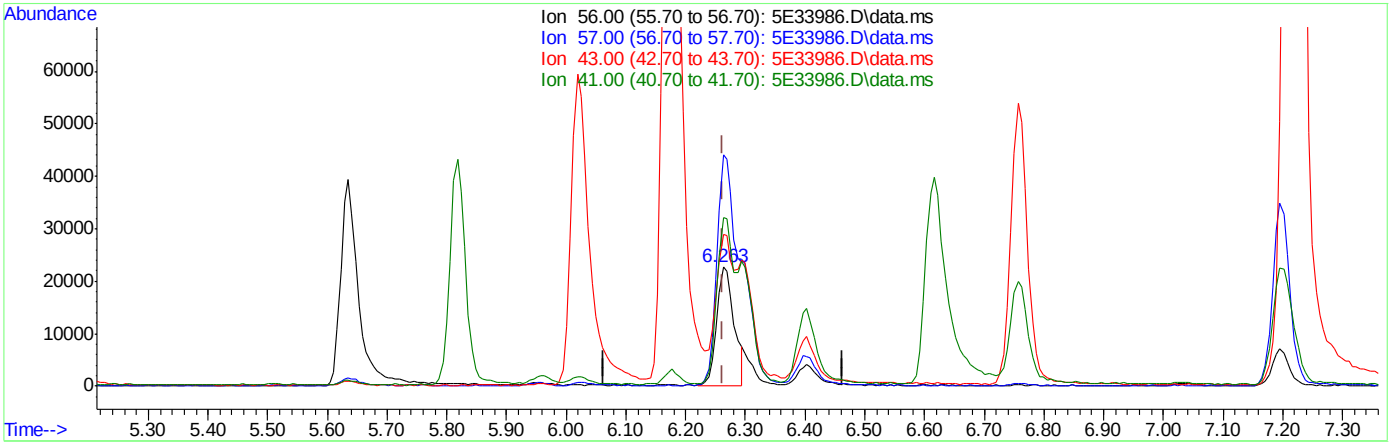
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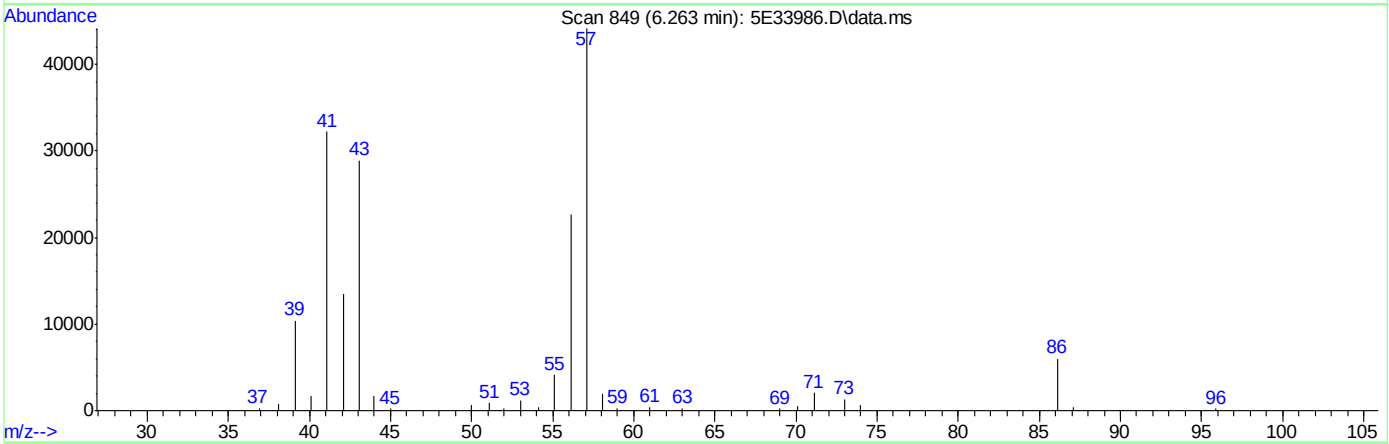
Ion	Exp%	Act%
56.00	100	100
57.00	193.50	195.02
43.00	131.90	120.60
41.00	139.10	140.13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33986.D
Acq On : 6 Sep 2022 4:16 pm
Operator : courtnef
Sample : ICC1549-5
Misc : MS52257,V5E1549,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 08:05:34 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration





TIC: 5E33986.D\data.ms

(22) Hexane

6.263min (-0.000) 22.83ug/L m

response 45933

Ion	Exp%	Act%
56.00	100	100
57.00	193.50	195.02
43.00	131.90	127.81
41.00	139.10	142.26

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 09/07/22 11:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33987.D
Acq On : 6 Sep 2022 4:40 pm
Operator : courtnef
Sample : IC1549-6
Misc : MS52257,V5E1549,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 08:07:36 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.957	96	363723	50.00	ug/L	0.00
61) Chlorobenzene-d5	12.115	117	273242	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	137325	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.079	113	104585	51.43	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.86%			
49) 1,2-Dichloroethane-d4	8.665	65	107864	41.48	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 82.96%			
62) Toluene-d8	10.542	98	348739	49.76	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.52%			
86) 4-Bromofluorobenzene	13.328	95	122934	47.18	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	106871	59.86	ug/L	97
3) Chloromethane	3.221	50	137022	40.91	ug/L	99
4) Vinyl Chloride	3.367	62	142464	55.60	ug/L	97
5) 1,3-Butadiene	3.403	39	124609	47.54	ug/L	96
6) Bromomethane	3.940	94	45608	80.36	ug/L	95
7) Chloroethane	4.147	64	74288	66.35	ug/L	97
8) Trichlorofluoromethane	4.373	101	167831	67.83	ug/L	99
9) Ethyl Ether	4.879	59	111271	50.54	ug/L	82
10) Ethanol	5.117	45	41461	864.56	ug/L	92
11) 1,2-Dichlorotrifluoroe...	5.153	67	125184	64.04	ug/L	96
12) 1,1-Dichloroethene	5.159	61	195426	53.11	ug/L	87
13) Freon 113	5.214	101	108970	67.27	ug/L	99
14) Carbon Disulfide	5.202	76	322543	63.52	ug/L	95
15) Iodomethane	5.366	142	93460	73.73	ug/L	95
16) Acrolein	5.635	56	149406	238.61	ug/L	99
17) Allyl chloride	5.818	41	147259	38.88	ug/L	80
18) Methylene Chloride	5.958	49	176721	35.75	ug/L	76
19) Acetone	6.019	43	230822	226.00	ug/L	97
20) Methyl acetate	6.177	43	586269	224.00	ug/L	87
21) trans-1,2-Dichloroethene	6.171	61	188605	53.22	ug/L	86
22) Hexane	6.263	56	86562m	39.75	ug/L	
23) Methyl Tert Butyl Ether	6.299	73	289658	56.04	ug/L	88
24) Acetonitrile	6.616	41	182613	396.90	ug/L	96
25) Di-isopropyl ether	6.756	45	393715	42.60	ug/L	90
26) Chloroprene	6.909	53	37475	9.01	ug/L	86
27) 1,1-Dichloroethane	6.945	63	231157	54.81	ug/L	97
28) Acrylonitrile	7.000	53	298690	239.80	ug/L	99
29) ETBE	7.195	59	407947	47.80	ug/L	92
30) Tert Butyl Alcohol	6.409	59	213069	470.45	ug/L	98
31) Vinyl acetate	7.220	43	1383875	222.90	ug/L	94
32) cis-1,2-Dichloroethene	7.579	96	120867	65.44	ug/L	86
33) 2,2-Dichloropropane	7.707	77	154199	54.56	ug/L	97
34) Bromochloromethane	7.811	128	64296	69.89	ug/L #	62
35) Cyclohexane	7.823	56	221071	47.36	ug/L	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33987.D
Acq On : 6 Sep 2022 4:40 pm
Operator : courtnef
Sample : IC1549-6
Misc : MS52257,V5E1549,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 08:07:36 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	7.878	83	197543	61.11	ug/L		92
37) Ethyl acetate	7.982	43	788080	226.59	ug/L		95
38) Tetrahydrofuran	8.067	42	50391	38.55	ug/L		85
40) Carbon Tetrachloride	8.055	117	161826	64.09	ug/L		97
41) 1,1,1-Trichloroethane	8.122	97	172226	58.59	ug/L		97
42) 2-Butanone	8.207	43	382285	209.85	ug/L		83
43) 1,1-Dichloropropene	8.256	75	150115	62.58	ug/L		92
44) tert-Butyl formate	8.360	59	395035	285.13	ug/L	#	82
45) Propionitrile	8.537	54	254942	438.98	ug/L		95
46) Methacrylonitrile	8.561	41	987651	432.42	ug/L		95
47) Benzene	8.524	78	443254	64.10	ug/L		85
48) TAME	8.610	73	307692	58.41	ug/L		85
50) 1,2-Dichloroethane	8.738	62	176649	53.66	ug/L		94
51) tert Amyl alcohol	8.787	59	177572	482.47	ug/L		89
52) Trichloroethene	9.134	95	121973	64.76	ug/L		95
53) Methylcyclohexane	9.134	83	172000	64.95	ug/L	#	74
54) Dibromomethane	9.579	93	78827	66.09	ug/L		97
55) 1,2-Dichloropropane	9.677	63	135724	56.13	ug/L		94
56) Bromodichloromethane	9.725	83	149966	62.98	ug/L		97
57) Methyl methacrylate	9.835	41	125553	43.16	ug/L	#	79
58) 1,4-Dioxane	9.914	88	38289	1306.84	ug/L		80
59) 2-Chloroethyl vinyl ether	10.262	63	398077	281.83	ug/L		82
60) cis-1,3-Dichloropropene	10.359	75	175861	63.79	ug/L		86
63) Toluene	10.597	91	481409	70.06	ug/L		98
64) Isobutyl alcohol	8.677	43	168948	942.14	ug/L		94
65) 2-Nitropropane	10.829	41	251082	277.85	ug/L		95
66) 4-Methyl-2-pentanone	10.939	43	829432	248.27	ug/L		95
67) trans-1,3-Dichloropropene	10.999	75	149308	63.51	ug/L		84
68) Tetrachloroethene	10.999	166	128563	70.58	ug/L		98
69) Ethyl methacrylate	11.103	69	153143	65.28	ug/L	#	81
70) 1,1,2-Trichloroethane	11.164	83	91655	70.99	ug/L		94
71) Dibromochloromethane	11.359	129	136108	75.76	ug/L		96
72) 1,3-Dichloropropane	11.451	76	176819	66.87	ug/L		82
73) 1,2-Dibromoethane	11.627	107	119110	73.77	ug/L		93
74) 3,3-Dimethyl-1-butanol	11.707	57	1090411	2790.32	ug/L		88
75) 2-hexanone	11.768	43	610199	261.41	ug/L		95
76) 1-Chlorohexane	12.060	91	151131	77.75	ug/L	#	70
77) Ethylbenzene	12.127	91	522828	68.72	ug/L		92
78) Chlorobenzene	12.133	112	317844	72.74	ug/L		89
79) 1,1,1,2-Tetrachloroethane	12.182	131	122155	72.90	ug/L		96
80) m,p-Xylene	12.261	91	816701	139.12	ug/L		97
81) o-Xylene	12.706	91	404869	69.25	ug/L		96
82) Styrene	12.755	104	322688	73.36	ug/L		90
83) Bromoform	12.822	173	90808	73.82	ug/L		98
84) Isopropylbenzene	13.005	105	495341	70.41	ug/L		99
87) cis-1,4-Dichloro-2-butene	13.682	53	50541	48.03	ug/L	#	78
88) n-Propylbenzene	13.426	91	583276	74.16	ug/L		99
89) Bromobenzene	13.456	156	131692	72.75	ug/L		88
90) 1,1,2,2-Tetrachloroethane	13.499	83	166291	76.61	ug/L		97
91) 1,3,5-Trimethylbenzene	13.609	105	416248	74.74	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33987.D
Acq On : 6 Sep 2022 4:40 pm
Operator : courtnef
Sample : IC1549-6
Misc : MS52257,V5E1549,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 08:07:36 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.621	91	379982	72.00	ug/L		94
93) trans-1,4-Dichloro-2-B...	13.682	53	50541	48.03	ug/L	#	72
94) 1,2,3-Trichloropropane	13.664	110	48195	70.34	ug/L		89
95) Cyclohexanone	13.737	55	42024	264.28	ug/L		89
96) 4-Chlorotoluene	13.792	91	347346	71.59	ug/L		96
98) tert-Butylbenzene	13.950	91	216833	68.16	ug/L		94
99) 1,2,4-Trimethylbenzene	14.023	105	409099	73.63	ug/L		98
100) Pentachloroethane	14.011	167	71885	71.77	ug/L		92
101) sec-Butylbenzene	14.133	105	472882	71.17	ug/L		97
102) 4-Isopropyltoluene	14.261	119	417796	74.95	ug/L		98
103) 1,3-Dichlorobenzene	14.401	146	239100	74.68	ug/L		98
104) 1,2,3-Trimethylbenzene	14.474	105	411214	74.26	ug/L		97
105) 1,4-Dichlorobenzene	14.487	146	248542	74.66	ug/L		97
106) n-Butylbenzene	14.688	92	226062	73.85	ug/L		97
107) Benzyl Chloride	14.712	126	69653	74.98	ug/L	#	78
108) 1,2-Dichlorobenzene	14.901	146	231858	75.67	ug/L		97
109) 1,2-Dibromo-3-Chloropr...	15.633	75	30719	64.47	ug/L		84
110) Hexachlorobutadiene	16.169	225	49754	63.60	ug/L		95
111) 1,2,4-Trichlorobenzene	16.224	180	151904	78.39	ug/L		97
112) Naphthalene	16.523	128	508503	85.69	ug/L		100
113) 1,2,3-Trichlorobenzene	16.694	180	146470	77.97	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

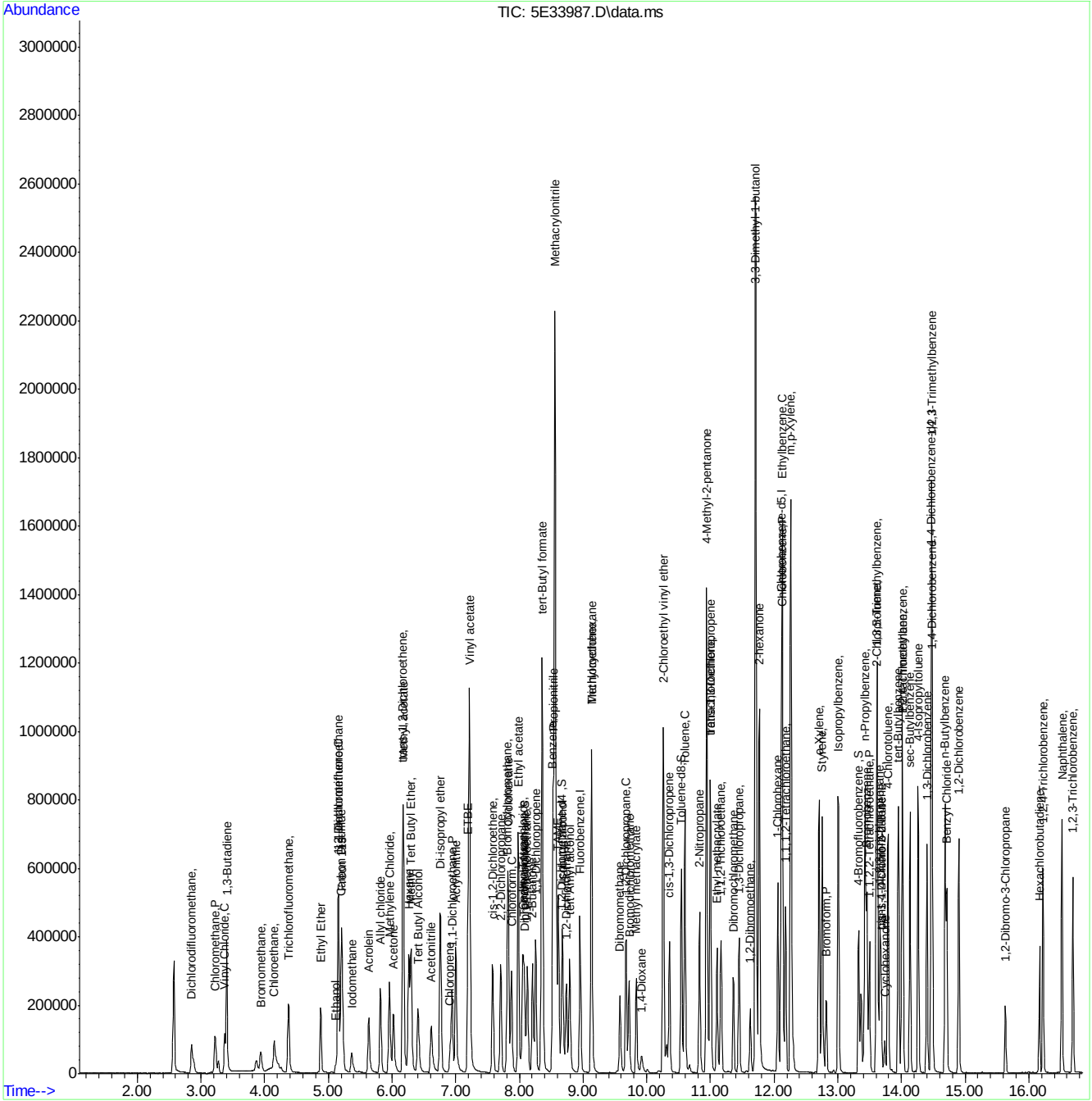
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7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33987.D
Acq On : 6 Sep 2022 4:40 pm
Operator : courtnef
Sample : IC1549-6
Misc : MS52257,V5E1549,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 08:07:36 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V5E1549-IC1549
Lab FileID: 5E33987.D
Injection Time: 09/06/22 16:40

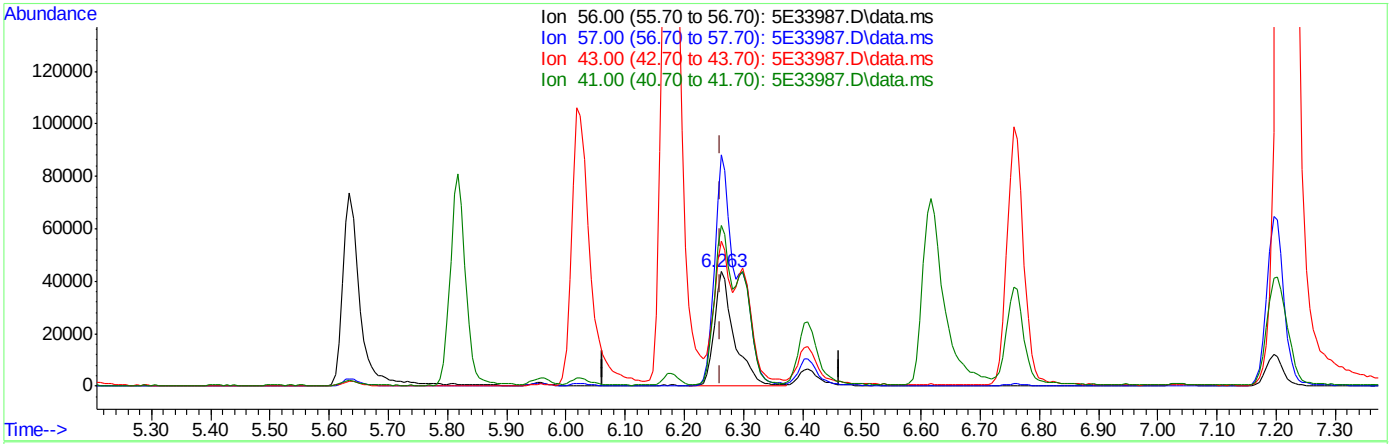
Method: SW846 8260D
Analyst approved: 09/07/22 08:31 Courtney Failla
Supervisor approved: 09/07/22 11:45 Lindsay Ritner

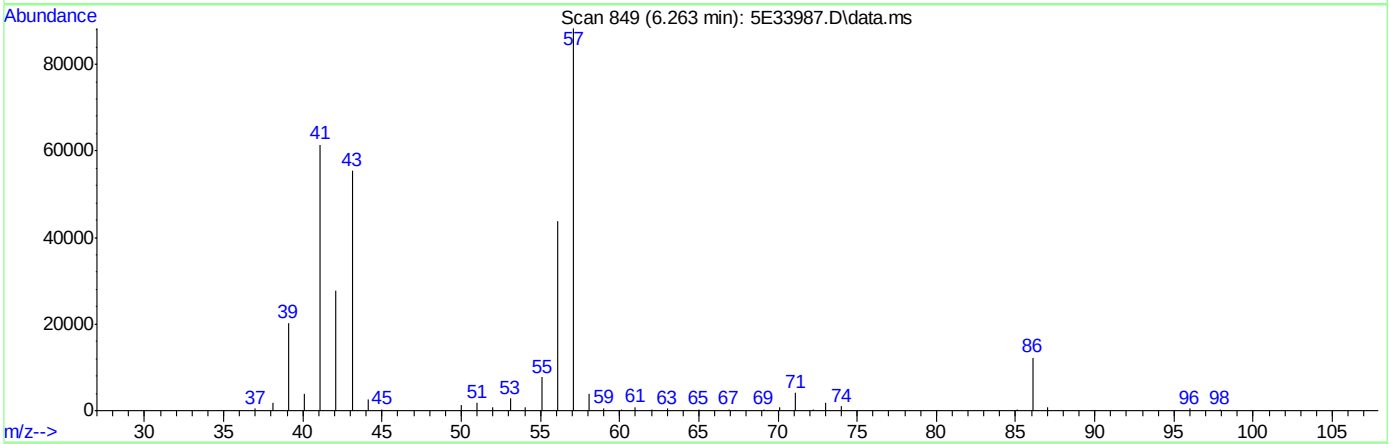
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.26	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33987.D
Acq On : 6 Sep 2022 4:40 pm
Operator : courtnef
Sample : IC1549-6
Misc : MS52257,V5E1549,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 08:05:37 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration





TIC: 5E33987.D\data.ms

(22) Hexane

6.263min (+0.000) 47.02ug/L

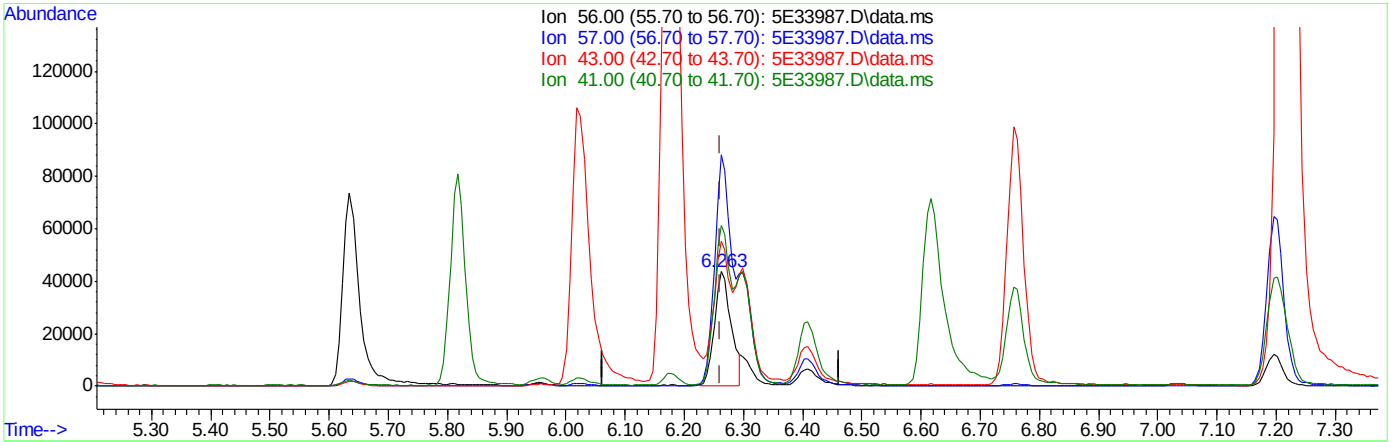
response 102401

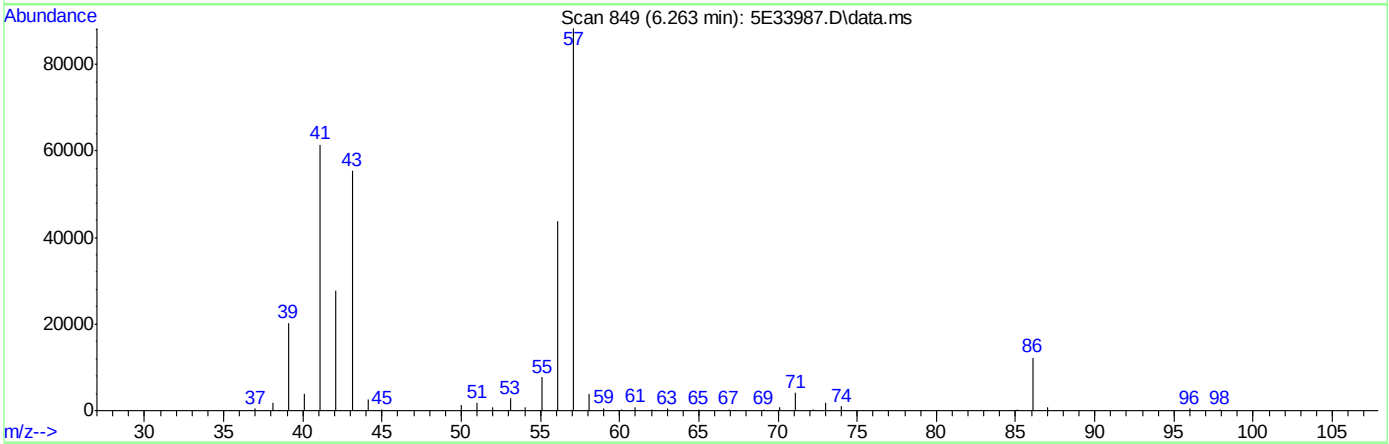
Ion	Exp%	Act%
56.00	100	100
57.00	193.50	202.03
43.00	131.90	121.20
41.00	139.10	139.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33987.D
Acq On : 6 Sep 2022 4:40 pm
Operator : courtnef
Sample : IC1549-6
Misc : MS52257,V5E1549,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 08:05:37 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration





TIC: 5E33987.D\data.ms

(22) Hexane

6.263min (+0.000) 39.75ug/L m

response 86562

Ion	Exp%	Act%
56.00	100	100
57.00	193.50	202.03
43.00	131.90	126.65
41.00	139.10	140.63

5E33988.D

Manual Integrations APPROVED (compounds with "m" flag)

Lindsay Ritner 09/07/22 11:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33988.D
Acq On : 6 Sep 2022 5:04 pm
Operator : courtnef
Sample : IC1549-7
Misc : MS52257,V5E1549,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 08:06:44 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.951	96	367031	50.00	ug/L		0.00
61) Chlorobenzene-d5	12.115	117	277979	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	138937	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.079	113	105821	51.56	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.12%				
49) 1,2-Dichloroethane-d4	8.665	65	110917	42.27	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 84.54%				
62) Toluene-d8	10.548	98	354173	49.68	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.36%				
86) 4-Bromofluorobenzene	13.328	95	125856	47.74	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.48%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.849	85	158873	88.19	ug/L		99
3) Chloromethane	3.227	50	202550	59.93	ug/L		96
4) Vinyl Chloride	3.367	62	213394	82.53	ug/L		97
5) 1,3-Butadiene	3.403	39	175878	66.50	ug/L		98
6) Bromomethane	3.940	94	68828	120.18	ug/L		96
7) Chloroethane	4.147	64	108345	114.07	ug/L		97
8) Trichlorofluoromethane	4.367	101	248721	99.62	ug/L		100
9) Ethyl Ether	4.885	59	162802	73.28	ug/L		83
10) Ethanol	5.123	45	61464	1270.12	ug/L		89
11) 1,2-Dichlorotrifluoroe...	5.153	67	184256	93.41	ug/L		95
12) 1,1-Dichloroethene	5.159	61	287472	77.43	ug/L		87
13) Freon 113	5.214	101	161517	98.81	ug/L		98
14) Carbon Disulfide	5.202	76	476021	92.90	ug/L		95
15) Iodomethane	5.366	142	141891	100.52	ug/L		96
16) Acrolein	5.635	56	229556	363.31	ug/L		98
17) Allyl chloride	5.818	41	215133	56.29	ug/L		80
18) Methylene Chloride	5.958	49	254282	54.43	ug/L		75
19) Acetone	6.025	43	352794	346.70	ug/L		96
20) Methyl acetate	6.177	43	894232	338.58	ug/L		88
21) trans-1,2-Dichloroethene	6.171	61	279130	78.05	ug/L		87
22) Hexane	6.263	56	120737m	54.94	ug/L		
23) Methyl Tert Butyl Ether	6.299	73	430656	82.81	ug/L		88
24) Acetonitrile	6.616	41	281105	600.17	ug/L		96
25) Di-isopropyl ether	6.762	45	578961	62.08	ug/L		89
26) Chloroprene	6.909	53	56060	13.36	ug/L		87
27) 1,1-Dichloroethane	6.939	63	340708	80.05	ug/L		97
28) Acrylonitrile	7.000	53	452356	359.90	ug/L		99
29) ETBE	7.201	59	609081	70.73	ug/L		92
30) Tert Butyl Alcohol	6.415	59	326880	715.24	ug/L		97
31) Vinyl acetate	7.220	43	2081828	332.29	ug/L		94
32) cis-1,2-Dichloroethene	7.579	96	179717	96.42	ug/L	#	83
33) 2,2-Dichloropropane	7.707	77	228576	80.15	ug/L		98
34) Bromochloromethane	7.811	128	93473	100.69	ug/L	#	62
35) Cyclohexane	7.823	56	326269	69.26	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33988.D
Acq On : 6 Sep 2022 5:04 pm
Operator : courtnef
Sample : IC1549-7
Misc : MS52257,V5E1549,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 08:06:44 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	7.878	83	290171	88.95	ug/L		94
37) Ethyl acetate	7.982	43	1149016	327.39	ug/L		95
38) Tetrahydrofuran	8.067	42	74136	56.20	ug/L		84
40) Carbon Tetrachloride	8.055	117	238439	93.58	ug/L		98
41) 1,1,1-Trichloroethane	8.122	97	254627	85.84	ug/L		97
42) 2-Butanone	8.207	43	587288	319.47	ug/L		81
43) 1,1-Dichloropropene	8.256	75	221337	91.44	ug/L		90
44) tert-Butyl formate	8.360	59	626862	448.38	ug/L	#	83
45) Propionitrile	8.537	54	394815	673.69	ug/L		93
46) Methacrylonitrile	8.561	41	1519686	659.36	ug/L		94
47) Benzene	8.524	78	653925	93.72	ug/L		83
48) TAME	8.610	73	453133	85.24	ug/L		84
50) 1,2-Dichloroethane	8.738	62	262145	78.92	ug/L		95
51) tert Amyl alcohol	8.793	59	277192	746.35	ug/L		91
52) Trichloroethene	9.134	95	183153	96.36	ug/L		96
53) Methylcyclohexane	9.134	83	251491	94.10	ug/L	#	75
54) Dibromomethane	9.579	93	118662	98.60	ug/L		97
55) 1,2-Dichloropropane	9.677	63	203090	83.24	ug/L		93
56) Bromodichloromethane	9.725	83	221465	92.17	ug/L		96
57) Methyl methacrylate	9.835	41	194111	66.12	ug/L	#	78
58) 1,4-Dioxane	9.920	88	56761	1883.56	ug/L		85
59) 2-Chloroethyl vinyl ether	10.262	63	604802	424.33	ug/L		82
60) cis-1,3-Dichloropropene	10.359	75	263400	94.68	ug/L		87
63) Toluene	10.597	91	714343	102.18	ug/L		98
64) Isobutyl alcohol	8.683	43	265689	1456.37	ug/L		95
65) 2-Nitropropane	10.829	41	385658	419.50	ug/L		94
66) 4-Methyl-2-pentanone	10.945	43	1264845	372.15	ug/L		95
67) trans-1,3-Dichloropropene	10.999	75	222593	91.56	ug/L		84
68) Tetrachloroethene	10.999	166	191544	103.36	ug/L		98
69) Ethyl methacrylate	11.103	69	232615	95.04	ug/L	#	80
70) 1,1,2-Trichloroethane	11.164	83	135745	103.35	ug/L		93
71) Dibromochloromethane	11.359	129	203653	111.43	ug/L		97
72) 1,3-Dichloropropane	11.451	76	264113	98.18	ug/L		82
73) 1,2-Dibromoethane	11.627	107	178155	108.46	ug/L		96
74) 3,3-Dimethyl-1-butanol	11.713	57	1746135	4392.15	ug/L		89
75) 2-hexanone	11.768	43	953894	401.69	ug/L		96
76) 1-Chlorohexane	12.060	91	226836	114.71	ug/L	#	69
77) Ethylbenzene	12.127	91	785046	101.43	ug/L		92
78) Chlorobenzene	12.133	112	473909	106.61	ug/L		89
79) 1,1,1,2-Tetrachloroethane	12.182	131	181919	106.72	ug/L		97
80) m,p-Xylene	12.261	91	1222892	204.77	ug/L		98
81) o-Xylene	12.706	91	605216	101.75	ug/L		97
82) Styrene	12.755	104	484608	108.29	ug/L		91
83) Bromoform	12.822	173	138593	110.74	ug/L		98
84) Isopropylbenzene	13.011	105	745447	104.15	ug/L		98
87) cis-1,4-Dichloro-2-butene	13.682	53	81772	74.71	ug/L	#	80
88) n-Propylbenzene	13.426	91	870358	109.38	ug/L		98
89) Bromobenzene	13.456	156	197742	107.97	ug/L		88
90) 1,1,2,2-Tetrachloroethane	13.499	83	256320	116.72	ug/L		95
91) 1,3,5-Trimethylbenzene	13.609	105	626170	111.12	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33988.D
Acq On : 6 Sep 2022 5:04 pm
Operator : courtnef
Sample : IC1549-7
Misc : MS52257,V5E1549,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 08:06:44 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration

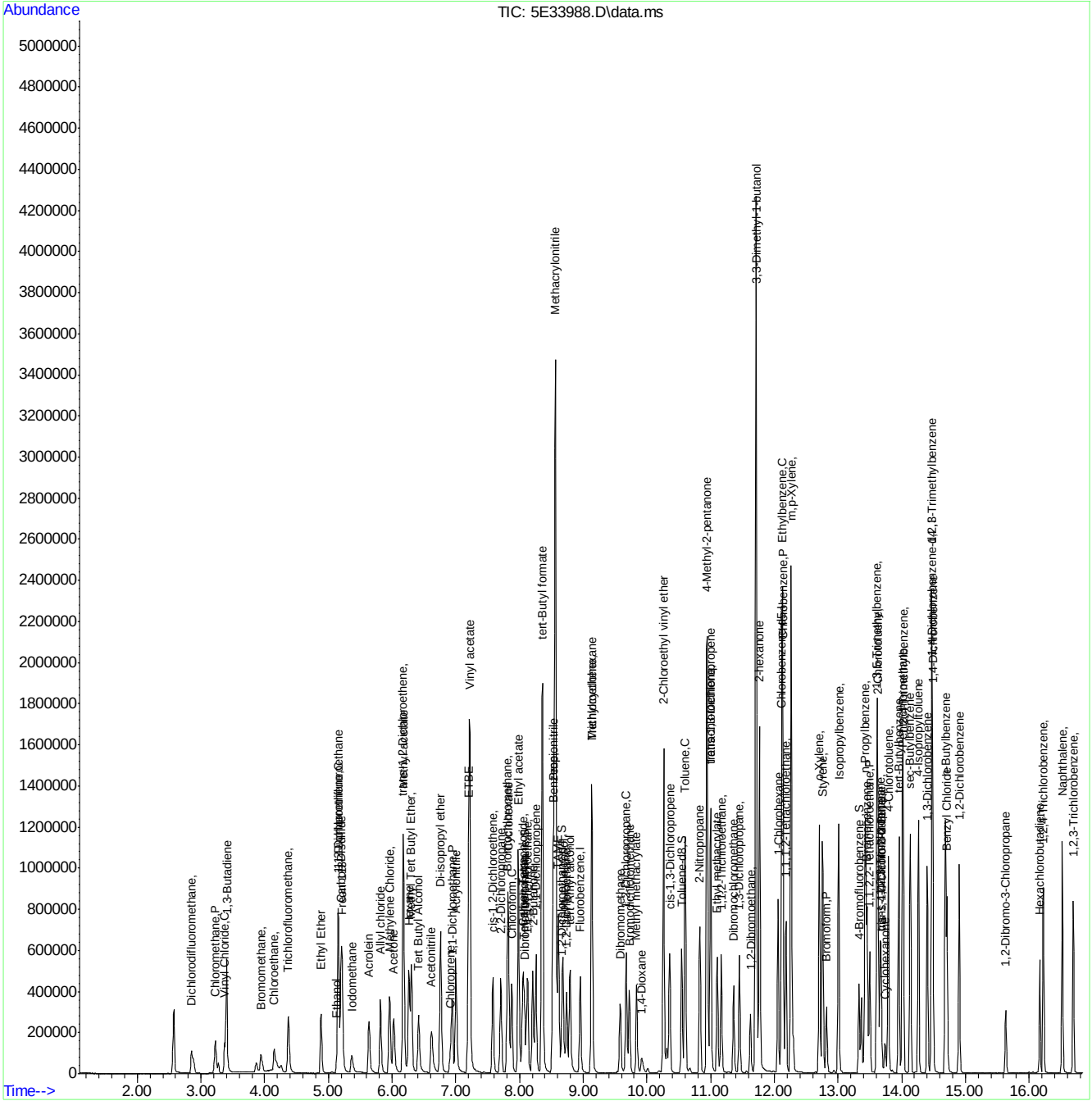
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.621	91	572044	107.14	ug/L		94
93) trans-1,4-Dichloro-2-B...	13.682	53	81772	74.71	ug/L	#	72
94) 1,2,3-Trichloropropane	13.664	110	73082	105.42	ug/L		92
95) Cyclohexanone	13.737	55	62599	389.10	ug/L		90
96) 4-Chlorotoluene	13.792	91	521988	106.34	ug/L		95
98) tert-Butylbenzene	13.956	91	328201	101.97	ug/L		91
99) 1,2,4-Trimethylbenzene	14.023	105	614045	109.24	ug/L		98
100) Pentachloroethane	14.011	167	109001	107.56	ug/L		94
101) sec-Butylbenzene	14.133	105	716345	104.94	ug/L		98
102) 4-Isopropyltoluene	14.261	119	627885	111.33	ug/L		98
103) 1,3-Dichlorobenzene	14.401	146	360053	111.15	ug/L		98
104) 1,2,3-Trimethylbenzene	14.474	105	617387	110.20	ug/L		97
105) 1,4-Dichlorobenzene	14.487	146	373228	110.82	ug/L		97
106) n-Butylbenzene	14.688	92	345735	111.64	ug/L		98
107) Benzyl Chloride	14.712	126	108794	108.80	ug/L	#	81
108) 1,2-Dichlorobenzene	14.901	146	347883	112.22	ug/L		97
109) 1,2-Dibromo-3-Chloropr...	15.633	75	48348	100.28	ug/L		85
110) Hexachlorobutadiene	16.169	225	75105	94.89	ug/L		95
111) 1,2,4-Trichlorobenzene	16.224	180	227771	116.17	ug/L		97
112) Naphthalene	16.523	128	765538	127.50	ug/L		99
113) 1,2,3-Trichlorobenzene	16.693	180	218601	115.02	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33988.D
Acq On : 6 Sep 2022 5:04 pm
Operator : courtnef
Sample : IC1549-7
Misc : MS52257,V5E1549,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 08:06:44 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V5E1549-IC1549
Lab FileID: 5E33988.D
Injection Time: 09/06/22 17:04

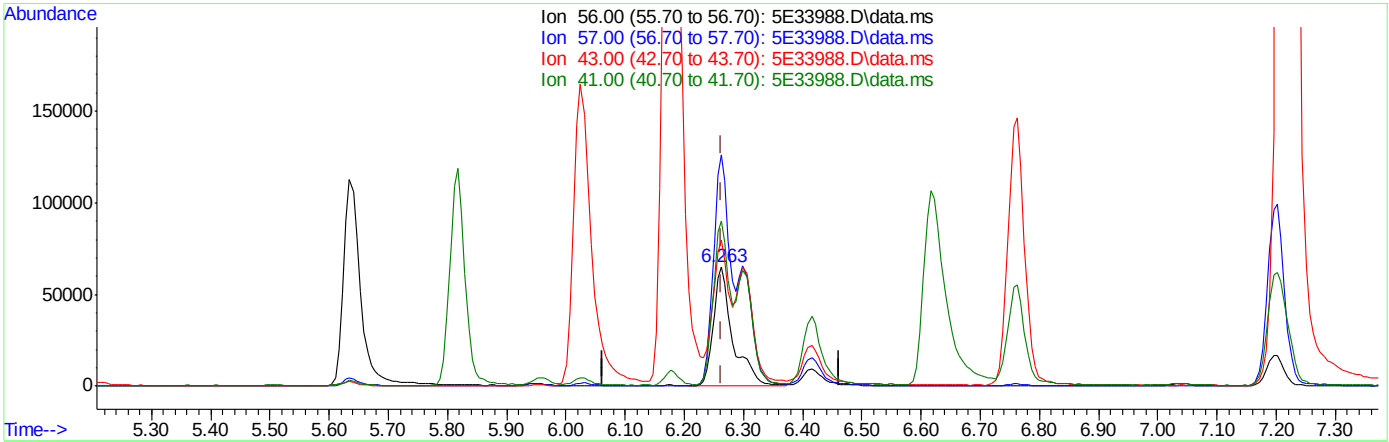
Method: SW846 8260D
Analyst approved: 09/07/22 08:31 Courtney Failla
Supervisor approved: 09/07/22 11:45 Lindsay Ritner

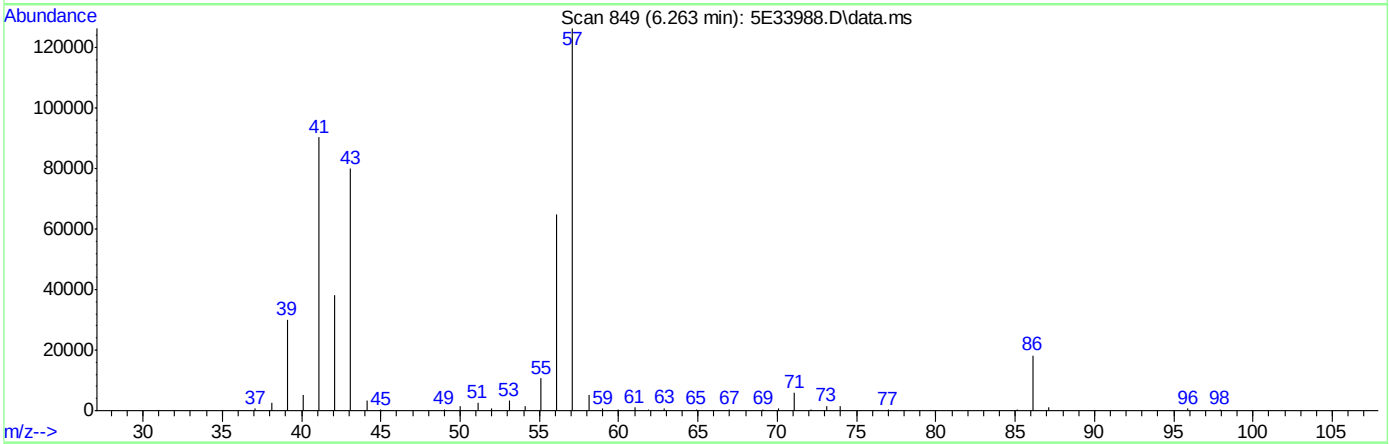
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.26	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33988.D
Acq On : 6 Sep 2022 5:04 pm
Operator : courtnef
Sample : IC1549-7
Misc : MS52257,V5E1549,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 08:05:39 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration





TIC: 5E33988.D\data.ms

(22) Hexane

6.263min (-0.000) 67.24ug/L

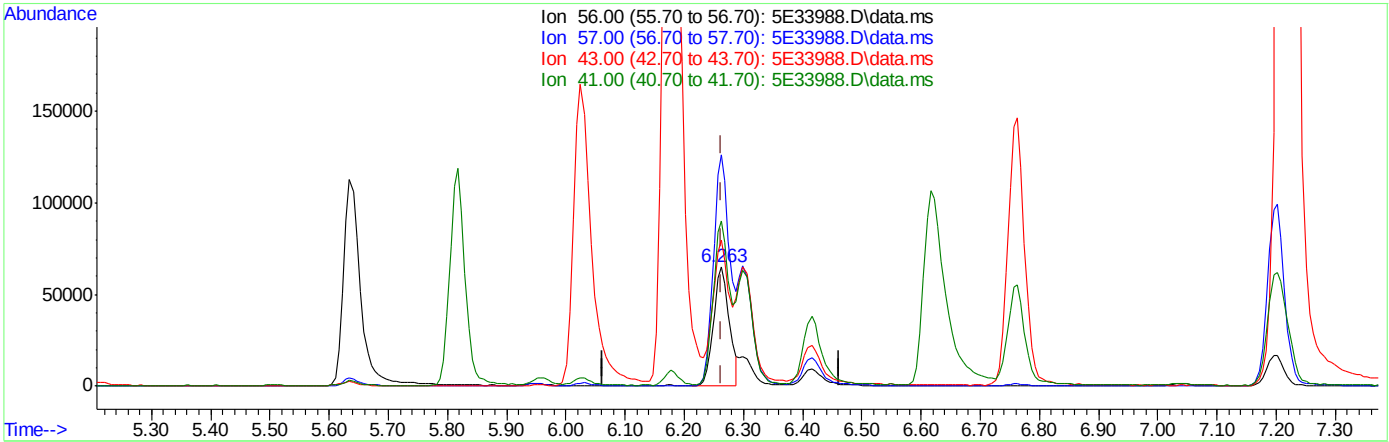
response 147757

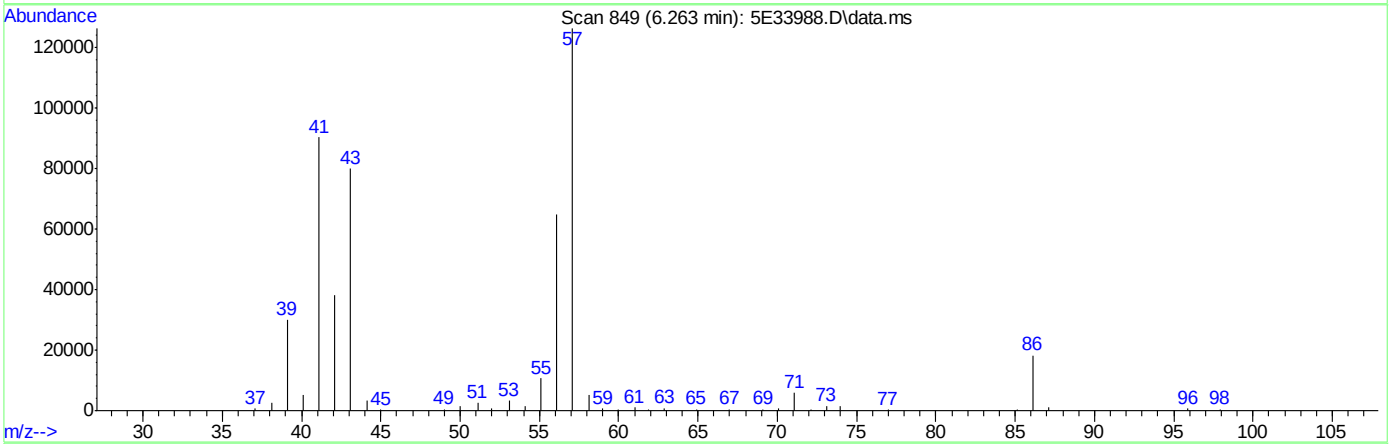
Ion	Exp%	Act%
56.00	100	100
57.00	193.50	195.18
43.00	131.90	118.96
41.00	139.10	137.72

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33988.D
Acq On : 6 Sep 2022 5:04 pm
Operator : courtnef
Sample : IC1549-7
Misc : MS52257,V5E1549,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 08:05:39 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Aug 31 10:32:41 2022
Response via : Initial Calibration





TIC: 5E33988.D\data.ms

(22) Hexane

6.263min (-0.000) 54.94ug/L m

response 120737

Ion	Exp%	Act%
56.00	100	100
57.00	193.50	194.56
43.00	131.90	123.07
41.00	139.10	139.10

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner
09/07/22 11:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33990.D
Acq On : 6 Sep 2022 5:52 pm
Operator : courtnef
Sample : ICV1549-5
Misc : MS52257,V5E1549,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 07 08:26:44 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.951	96	345469	50.00	ug/L	0.00
61) Chlorobenzene-d5	12.115	117	258961	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	125277	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.079	113	99924	50.41	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.82%			
49) 1,2-Dichloroethane-d4	8.664	65	101613	50.09	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.18%			
62) Toluene-d8	10.548	98	333789	49.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.46%			
86) 4-Bromofluorobenzene	13.328	95	117077	50.64	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	47245	32.08	ug/L	93
3) Chloromethane	3.220	50	71458	37.18	ug/L	99
4) Vinyl Chloride	3.367	62	71121	36.77	ug/L	98
5) 1,3-Butadiene	3.403	39	87597	47.44	ug/L	99
6) Bromomethane	3.940	94	24922	42.54	ug/L	98
7) Chloroethane	4.147	64	39591	35.69	ug/L	99
8) Trichlorofluoromethane	4.379	101	84697	37.76	ug/L	97
9) Ethyl Ether	4.879	59	57270	37.49	ug/L	98
10) Ethanol	5.110	45	22096	752.42	ug/L	98
11) 1,2-Dichlorotrifluoroe...	5.153	67	73572	42.44	ug/L	97
12) 1,1-Dichloroethene	5.159	61	104406	39.37	ug/L	98
13) Freon 113	5.214	101	52745	36.97	ug/L	95
15) Iodomethane	5.366	142	30713	32.40	ug/L	99
16) Acrolein	5.635	56	72787	168.56	ug/L	99
17) Allyl chloride	5.817	41	90414	43.90	ug/L	99
18) Methylene Chloride	5.958	49	98196	38.00	ug/L	99
19) Acetone	6.019	43	128839	196.33	ug/L	97
20) Methyl acetate	6.177	43	309633	196.68	ug/L	99
21) trans-1,2-Dichloroethene	6.171	61	98771	38.21	ug/L	99
22) Hexane	6.262	56	42848m	35.32	ug/L	
23) Methyl Tert Butyl Ether	6.299	73	177714	44.74	ug/L	99
24) Acetonitrile	6.616	41	95228	371.53	ug/L	100
25) Di-isopropyl ether	6.756	45	213488	39.06	ug/L	99
26) Chloroprene	6.915	53	102676	197.02	ug/L	97
27) 1,1-Dichloroethane	6.945	63	130165	41.07	ug/L	98
28) Acrylonitrile	7.000	53	157625	184.09	ug/L	99
29) ETBE	7.195	59	201553	36.86	ug/L	99
30) Tert Butyl Alcohol	6.403	59	109513	365.11	ug/L	100
31) Vinyl acetate	7.220	43	736911	194.46	ug/L	100
32) cis-1,2-Dichloroethene	7.579	96	66390	39.43	ug/L	97
33) 2,2-Dichloropropane	7.707	77	74586	35.66	ug/L	99
34) Bromochloromethane	7.811	128	33529	37.84	ug/L	95
35) Cyclohexane	7.823	56	109252	35.81	ug/L	98
36) Chloroform	7.878	83	104948	38.00	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33990.D
Acq On : 6 Sep 2022 5:52 pm
Operator : courtnef
Sample : ICV1549-5
Misc : MS52257,V5E1549,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 07 08:26:44 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Ethyl acetate	7.982	43	420893	194.72	ug/L	100
38) Tetrahydrofuran	8.073	42	26486	36.31	ug/L	92
40) Carbon Tetrachloride	8.055	117	83424	38.66	ug/L	99
41) 1,1,1-Trichloroethane	8.128	97	91346	38.90	ug/L	98
42) 2-Butanone	8.207	43	208798	194.19	ug/L	99
43) 1,1-Dichloropropene	8.256	75	75799	37.52	ug/L	98
44) tert-Butyl formate	8.354	59	163336	323.83	ug/L	98
45) Propionitrile	8.536	54	137573	382.97	ug/L	98
46) Methacrylonitrile	8.561	41	522267	383.77	ug/L	99
47) Benzene	8.524	78	233772	38.09	ug/L	99
48) TAME	8.610	73	205301	50.55	ug/L	97
50) 1,2-Dichloroethane	8.738	62	93901	38.92	ug/L	99
51) tert Amyl alcohol	8.786	59	87256	369.98	ug/L	98
52) Trichloroethene	9.134	95	64621	37.84	ug/L	95
53) Methylcyclohexane	9.134	83	86430	37.97	ug/L	99
54) Dibromomethane	9.579	93	41820	39.68	ug/L	95
55) 1,2-Dichloropropane	9.676	63	69931	37.47	ug/L	98
56) Bromodichloromethane	9.725	83	80905	39.72	ug/L	100
57) Methyl methacrylate	9.835	41	68807	40.01	ug/L	98
58) 1,4-Dioxane	9.920	88	20525	789.72	ug/L	97
59) 2-Chloroethyl vinyl ether	10.262	63	209662	186.90	ug/L	99
60) cis-1,3-Dichloropropene	10.359	75	89984	39.47	ug/L	98
63) Toluene	10.597	91	256100	37.32	ug/L	98
64) Isobutyl alcohol	8.677	43	87288	765.52	ug/L	100
65) 2-Nitropropane	10.829	41	128740	190.34	ug/L	100
66) 4-Methyl-2-pentanone	10.938	43	436272	187.11	ug/L	100
67) trans-1,3-Dichloropropene	10.999	75	82122	43.80	ug/L	86
68) Tetrachloroethene	10.999	166	69193	39.68	ug/L	98
69) Ethyl methacrylate	11.103	69	80351	37.72	ug/L	98
70) 1,1,2-Trichloroethane	11.164	83	49206	38.47	ug/L	98
71) Dibromochloromethane	11.359	129	70255	37.98	ug/L	99
72) 1,3-Dichloropropane	11.450	76	89447	37.04	ug/L	98
73) 1,2-Dibromoethane	11.627	107	63821	39.75	ug/L	98
74) 3,3-Dimethyl-1-butanol	11.707	57	496856	1683.67	ug/L	100
75) 2-hexanone	11.767	43	321668	190.35	ug/L	100
76) 1-Chlorohexane	12.060	91	76912	37.79	ug/L	98
77) Ethylbenzene	12.127	91	277517	37.10	ug/L	100
78) Chlorobenzene	12.133	112	171104	38.73	ug/L	98
79) 1,1,1,2-Tetrachloroethane	12.182	131	65903	40.40	ug/L	97
80) m,p-Xylene	12.261	91	429460	75.49	ug/L	99
81) o-Xylene	12.706	91	221676	39.15	ug/L	98
82) Styrene	12.755	104	172739	39.90	ug/L	100
83) Bromoform	12.822	173	48716	41.76	ug/L	98
84) Isopropylbenzene	13.011	105	267589	39.09	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.682	53	23008	34.42	ug/L	95
88) n-Propylbenzene	13.426	91	306696	38.47	ug/L	100
89) Bromobenzene	13.456	156	67607	37.92	ug/L	98
90) 1,1,2,2-Tetrachloroethane	13.499	83	87861	38.29	ug/L	98
91) 1,3,5-Trimethylbenzene	13.609	105	213955	37.67	ug/L	99
92) 2-Chlorotoluene	13.621	91	201383	37.89	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33990.D
Acq On : 6 Sep 2022 5:52 pm
Operator : courtnef
Sample : ICV1549-5
Misc : MS52257,V5E1549,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 07 08:26:44 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

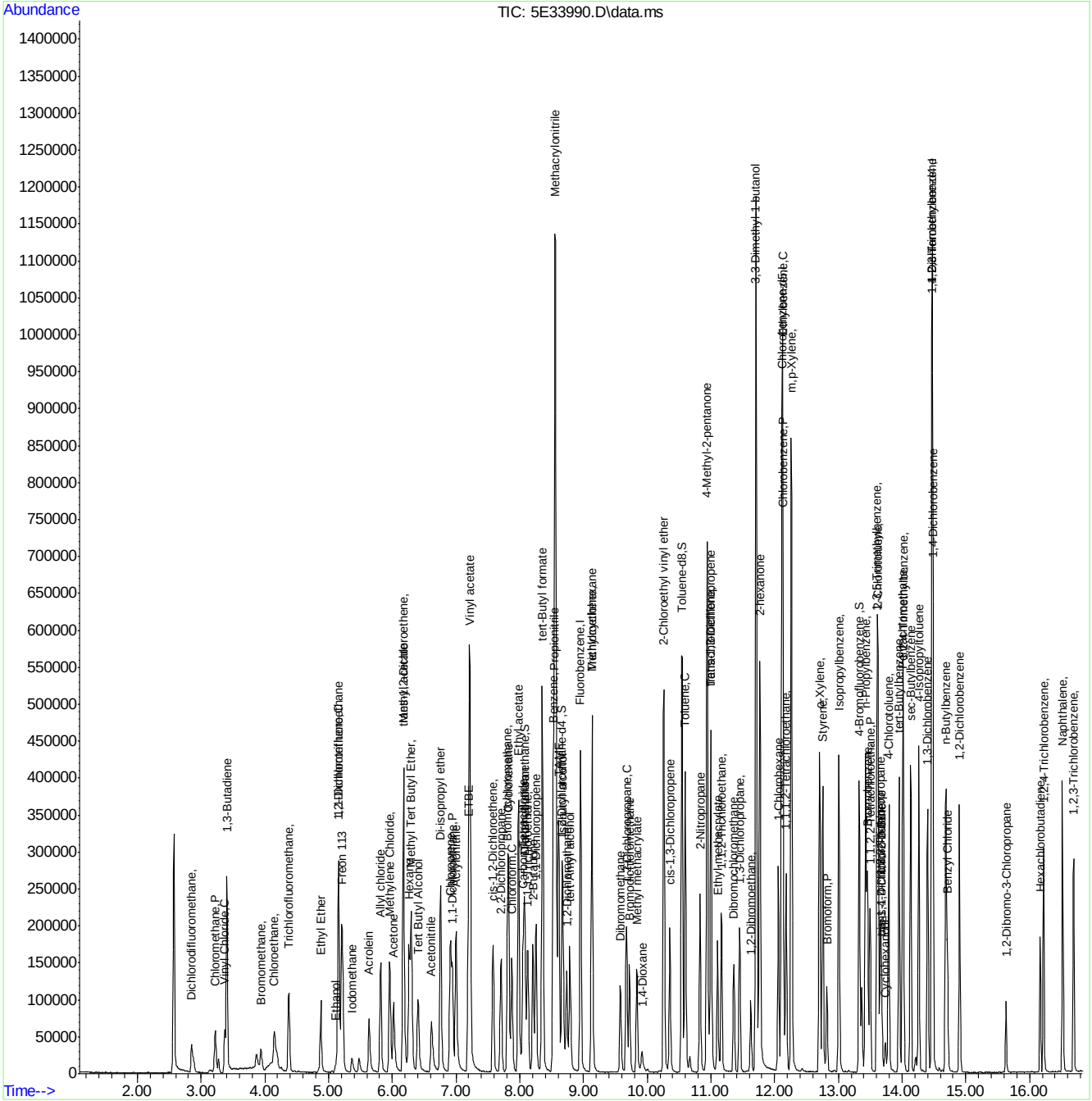
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) trans-1,4-Dichloro-2-B...	13.682	53	23008	34.42	ug/L	95
94) 1,2,3-Trichloropropane	13.663	110	24648	38.55	ug/L	97
95) Cyclohexanone	13.737	55	19154	162.93	ug/L	95
96) 4-Chlorotoluene	13.791	91	183793	37.90	ug/L	99
98) tert-Butylbenzene	13.950	91	115616	37.52	ug/L	97
99) 1,2,4-Trimethylbenzene	14.023	105	216089	39.19	ug/L	99
100) Pentachloroethane	14.011	167	38699	40.63	ug/L	95
101) sec-Butylbenzene	14.133	105	261270	41.01	ug/L	98
102) 4-Isopropyltoluene	14.261	119	221082	39.81	ug/L	99
103) 1,3-Dichlorobenzene	14.401	146	127667	40.23	ug/L	100
104) 1,2,3-Trimethylbenzene	14.474	105	227853	40.58	ug/L	100
105) 1,4-Dichlorobenzene	14.486	146	130340	39.45	ug/L	100
106) n-Butylbenzene	14.688	92	108882	37.47	ug/L	97
107) Benzyl Chloride	14.712	126	22964	28.96	ug/L	99
108) 1,2-Dichlorobenzene	14.901	146	120888	39.05	ug/L	98
109) 1,2-Dibromo-3-Chloropr...	15.633	75	15230	37.82	ug/L	97
110) Hexachlorobutadiene	16.169	225	24906	38.56	ug/L	95
111) 1,2,4-Trichlorobenzene	16.224	180	78960	40.59	ug/L	99
112) Naphthalene	16.523	128	269937	39.83	ug/L	100
113) 1,2,3-Trichlorobenzene	16.693	180	76106	40.39	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33990.D
Acq On : 6 Sep 2022 5:52 pm
Operator : courtnef
Sample : ICV1549-5
Misc : MS52257,V5E1549,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 07 08:26:44 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V5E1549-ICV1549
Lab FileID: 5E33990.D
Injection Time: 09/06/22 17:52

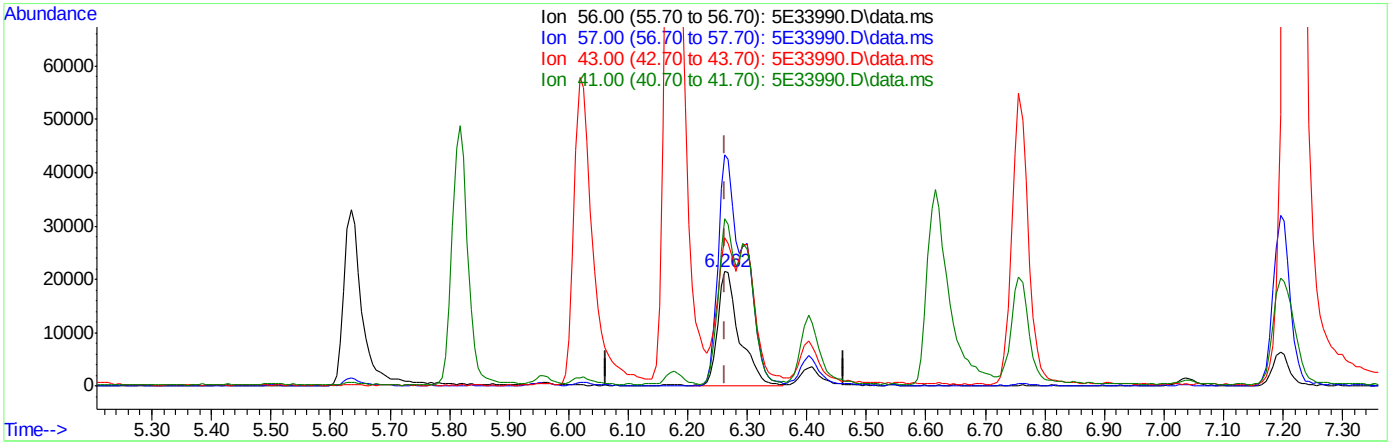
Method: SW846 8260D
Analyst approved: 09/07/22 08:31 Courtney Failla
Supervisor approved: 09/07/22 11:45 Lindsay Ritner

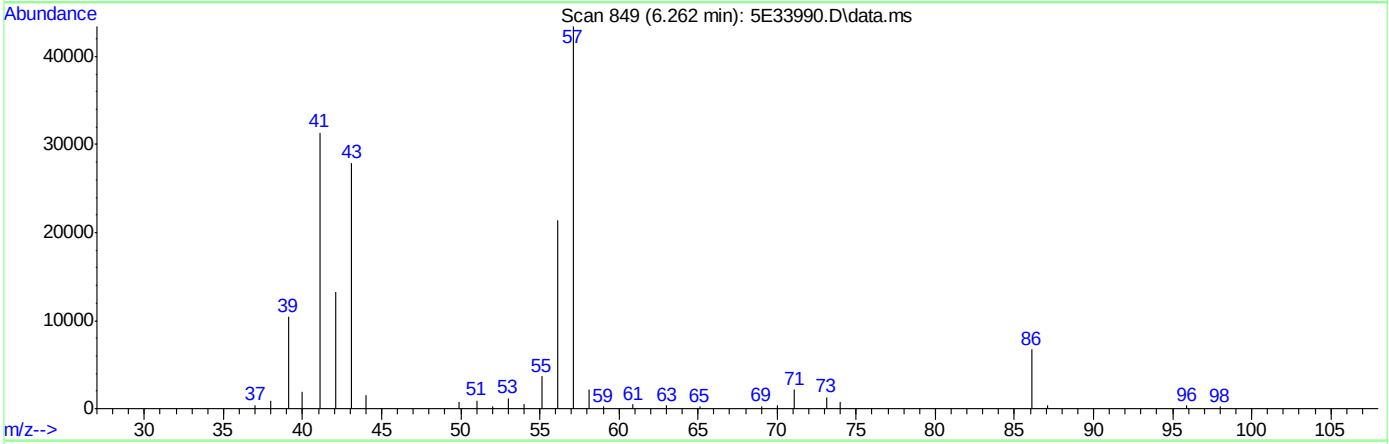
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.26	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33990.D
Acq On : 6 Sep 2022 5:52 pm
Operator : courtnef
Sample : ICV1549-5
Misc : MS52257,V5E1549,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 07 08:26:03 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration





TIC: 5E33990.D\data.ms

(22) Hexane

6.262min (-0.001) 45.57ug/L

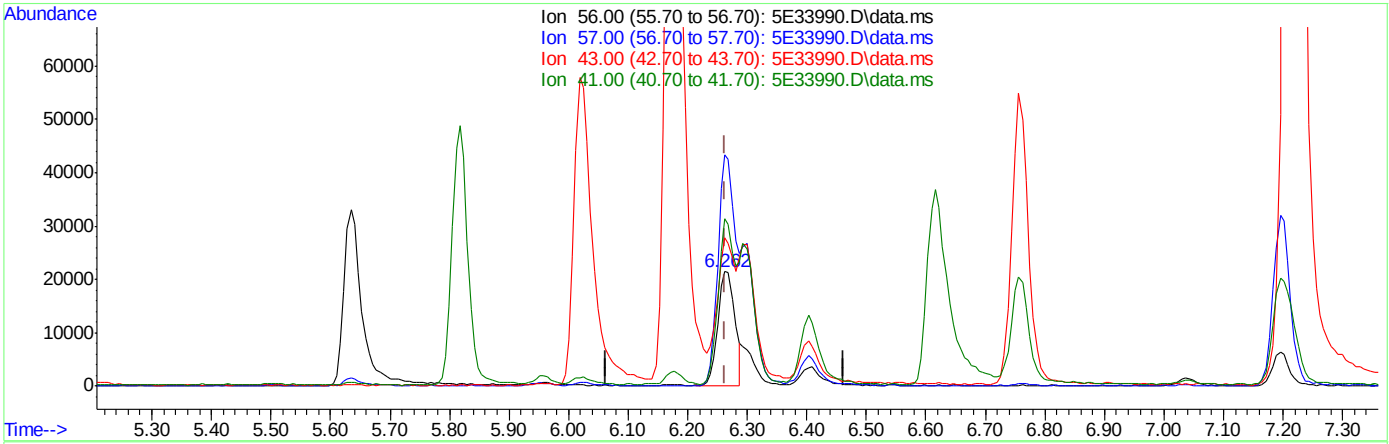
response 54686

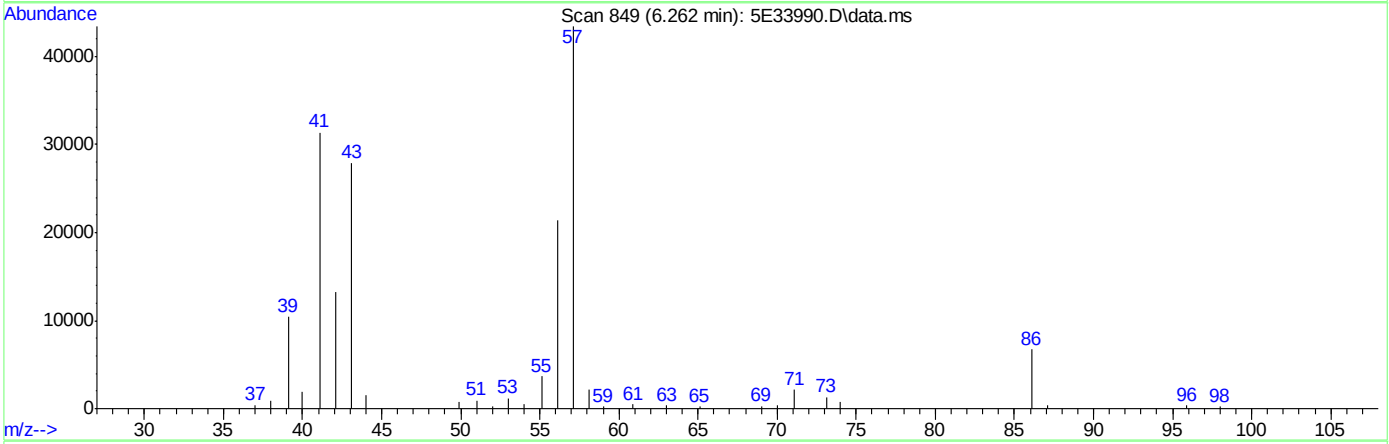
Ion	Exp%	Act%
56.00	100	100
57.00	195.00	202.35
43.00	127.80	122.69
41.00	142.30	143.24

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33990.D
Acq On : 6 Sep 2022 5:52 pm
Operator : courtnef
Sample : ICV1549-5
Misc : MS52257,V5E1549,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 07 08:26:03 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration





TIC: 5E33990.D\data.ms

(22) Hexane

6.262min (-0.001) 35.32ug/L m

response 42848

Ion	Exp%	Act%
56.00	100	100
57.00	195.00	202.35
43.00	127.80	130.08
41.00	142.30	146.07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33991.D
Acq On : 6 Sep 2022 6:16 pm
Operator : courtnef
Sample : ICV1549-4
Misc : MS52257,V5E1549,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 08:28:07 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

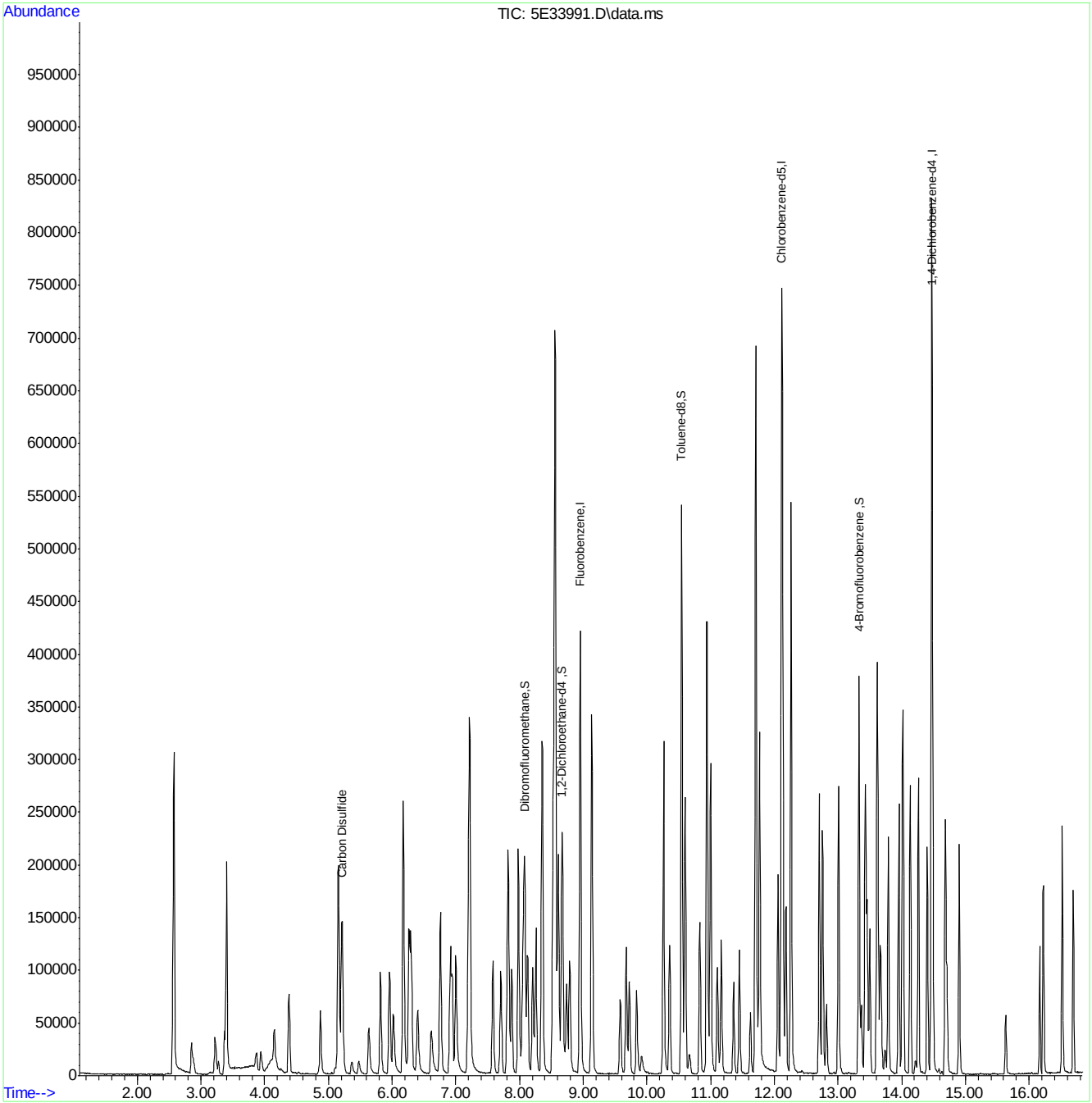
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.951	96	329121	50.00	ug/L	0.00
61) Chlorobenzene-d5	12.115	117	247454	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	120054	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.079	113	96222	50.95	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.90%			
49) 1,2-Dichloroethane-d4	8.665	65	97380	50.38	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.76%			
62) Toluene-d8	10.542	98	318496	49.66	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.32%			
86) 4-Bromofluorobenzene	13.328	95	111708	50.42	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.84%			
Target Compounds						Qvalue
14) Carbon Disulfide	5.208	76	99802	22.41	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-06-2022\
Data File : 5E33991.D
Acq On : 6 Sep 2022 6:16 pm
Operator : courtnef
Sample : ICV1549-4
Misc : MS52257,V5E1549,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 08:28:07 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/08/22 15:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-07-2022\
Data File : 5E33993.D
Acq On : 7 Sep 2022 9:23 am
Operator : courtnef
Sample : CC1549-5
Misc : MS52257,V5E1550,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 09:41:27 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.951	96	364858	50.00	ug/L	0.00
61) Chlorobenzene-d5	12.115	117	268519	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	130812	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.079	113	102817	49.11	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.22%			
49) 1,2-Dichloroethane-d4	8.665	65	100887	47.09	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 94.18%			
62) Toluene-d8	10.542	98	350499	50.36	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.72%			
86) 4-Bromofluorobenzene	13.328	95	119103	49.33	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.66%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	68938	44.32	ug/L	96
3) Chloromethane	3.214	50	84237	41.50	ug/L	99
4) Vinyl Chloride	3.373	62	91708	44.89	ug/L	98
5) 1,3-Butadiene	3.403	39	83608	42.40	ug/L	99
6) Bromomethane	3.940	94	36480	58.96	ug/L	98
7) Chloroethane	4.153	64	48449	41.76	ug/L	97
8) Trichlorofluoromethane	4.385	101	105094	44.37	ug/L	99
9) Ethyl Ether	4.873	59	62428	38.69	ug/L	97
10) Ethanol	5.092	45	21395	689.83	ug/L	94
11) 1,2-Dichlorotrifluoroe...	5.153	67	75698	41.34	ug/L	96
12) 1,1-Dichloroethene	5.165	61	119502	42.67	ug/L	99
13) Freon 113	5.220	101	69638	46.22	ug/L	97
14) Carbon Disulfide	5.208	76	202204	40.95	ug/L	100
15) Iodomethane	5.366	142	54851	49.21	ug/L	99
16) Acrolein	5.629	56	78177	171.46	ug/L	99
17) Allyl chloride	5.818	41	88550	40.65	ug/L	99
18) Methylene Chloride	5.958	49	111058	40.85	ug/L	98
19) Acetone	6.019	43	118964	171.56	ug/L	98
20) Methyl acetate	6.171	43	305855	183.96	ug/L	98
21) trans-1,2-Dichloroethene	6.171	61	113167	41.46	ug/L	98
22) Hexane	6.269	56	54079m	42.54	ug/L	
23) Methyl Tert Butyl Ether	6.299	73	167661	39.96	ug/L	99
24) Acetonitrile	6.610	41	96285	355.83	ug/L	98
25) Di-isopropyl ether	6.756	45	225003	38.98	ug/L	99
26) Chloroprene	6.915	53	22525	40.93	ug/L	93
27) 1,1-Dichloroethane	6.945	63	135210	40.40	ug/L	99
28) Acrylonitrile	7.000	53	163625	180.94	ug/L	96
29) ETBE	7.195	59	240001	41.56	ug/L	99
30) Tert Butyl Alcohol	6.397	59	107957	340.79	ug/L	97
31) Vinyl acetate	7.214	43	797360	199.23	ug/L	100
32) cis-1,2-Dichloroethene	7.579	96	71191	40.04	ug/L	100
33) 2,2-Dichloropropane	7.707	77	93737	42.44	ug/L	99
34) Bromochloromethane	7.811	128	38267	40.89	ug/L	97
35) Cyclohexane	7.823	56	141592	43.94	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-07-2022\
Data File : 5E33993.D
Acq On : 7 Sep 2022 9:23 am
Operator : courtnef
Sample : CC1549-5
Misc : MS52257,V5E1550,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 09:41:27 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.878	83	116549	39.96	ug/L	99
37) Ethyl acetate	7.976	43	428608	187.75	ug/L	99
38) Tetrahydrofuran	8.067	42	25352	32.79	ug/L	95
40) Carbon Tetrachloride	8.055	117	99397	43.61	ug/L	96
41) 1,1,1-Trichloroethane	8.128	97	104786	42.25	ug/L	99
42) 2-Butanone	8.201	43	194292	171.10	ug/L	100
43) 1,1-Dichloropropene	8.256	75	89461	41.93	ug/L	98
44) tert-Butyl formate	8.354	59	239721	438.27	ug/L	92
45) Propionitrile	8.530	54	135257	356.77	ug/L	92
46) Methacrylonitrile	8.555	41	529820	368.96	ug/L	99
47) Benzene	8.524	78	259990	40.11	ug/L	99
48) TAME	8.610	73	176590	41.17	ug/L	96
50) 1,2-Dichloroethane	8.738	62	101835	39.96	ug/L	98
51) tert Amyl alcohol	8.787	59	86626	347.79	ug/L	95
52) Trichloroethene	9.134	95	72569	40.24	ug/L	98
53) Methylcyclohexane	9.134	83	109808	45.67	ug/L	98
54) Dibromomethane	9.579	93	45586	40.96	ug/L	97
55) 1,2-Dichloropropane	9.677	63	79459	40.31	ug/L	98
56) Bromodichloromethane	9.725	83	85982	39.97	ug/L	98
57) Methyl methacrylate	9.835	41	69986	38.58	ug/L	97
58) 1,4-Dioxane	9.920	88	18698	683.06	ug/L	97
59) 2-Chloroethyl vinyl ether	10.262	63	209298	176.66	ug/L	99
60) cis-1,3-Dichloropropene	10.353	75	99759	41.43	ug/L	98
63) Toluene	10.597	91	286509	40.27	ug/L	97
64) Isobutyl alcohol	8.671	43	81059	688.81	ug/L	98
65) 2-Nitropropane	10.829	41	132614	189.08	ug/L	99
66) 4-Methyl-2-pentanone	10.939	43	429569	177.66	ug/L	99
67) trans-1,3-Dichloropropene	10.999	75	84854	43.64	ug/L	87
68) Tetrachloroethene	10.999	166	78719	43.54	ug/L	97
69) Ethyl methacrylate	11.103	69	85194	38.57	ug/L	98
70) 1,1,2-Trichloroethane	11.164	83	52125	39.31	ug/L	98
71) Dibromochloromethane	11.359	129	78576	40.97	ug/L	100
72) 1,3-Dichloropropane	11.451	76	101451	40.52	ug/L	97
73) 1,2-Dibromoethane	11.627	107	67771	40.71	ug/L	99
74) 3,3-Dimethyl-1-butanol	11.707	57	472413	1549.24	ug/L	99
75) 2-hexanone	11.768	43	308308	175.95	ug/L	99
76) 1-Chlorohexane	12.060	91	90054	42.68	ug/L	98
77) Ethylbenzene	12.127	91	309878	39.95	ug/L	99
78) Chlorobenzene	12.133	112	186633	40.74	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.182	131	70491	41.67	ug/L	98
80) m,p-Xylene	12.261	91	477570	80.96	ug/L	99
81) o-Xylene	12.706	91	239434	40.78	ug/L	99
82) Styrene	12.755	104	187606	41.79	ug/L	99
83) Bromoform	12.822	173	50354	41.63	ug/L	99
84) Isopropylbenzene	13.011	105	295674	41.66	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.682	53	27267	38.84	ug/L	95
88) n-Propylbenzene	13.426	91	340958	40.95	ug/L	98
89) Bromobenzene	13.456	156	77562	41.66	ug/L	100
90) 1,1,2,2-Tetrachloroethane	13.499	83	92635	38.66	ug/L	99
91) 1,3,5-Trimethylbenzene	13.609	105	244535	41.24	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-07-2022\
Data File : 5E33993.D
Acq On : 7 Sep 2022 9:23 am
Operator : courtnef
Sample : CC1549-5
Misc : MS52257,V5E1550,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 09:41:27 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

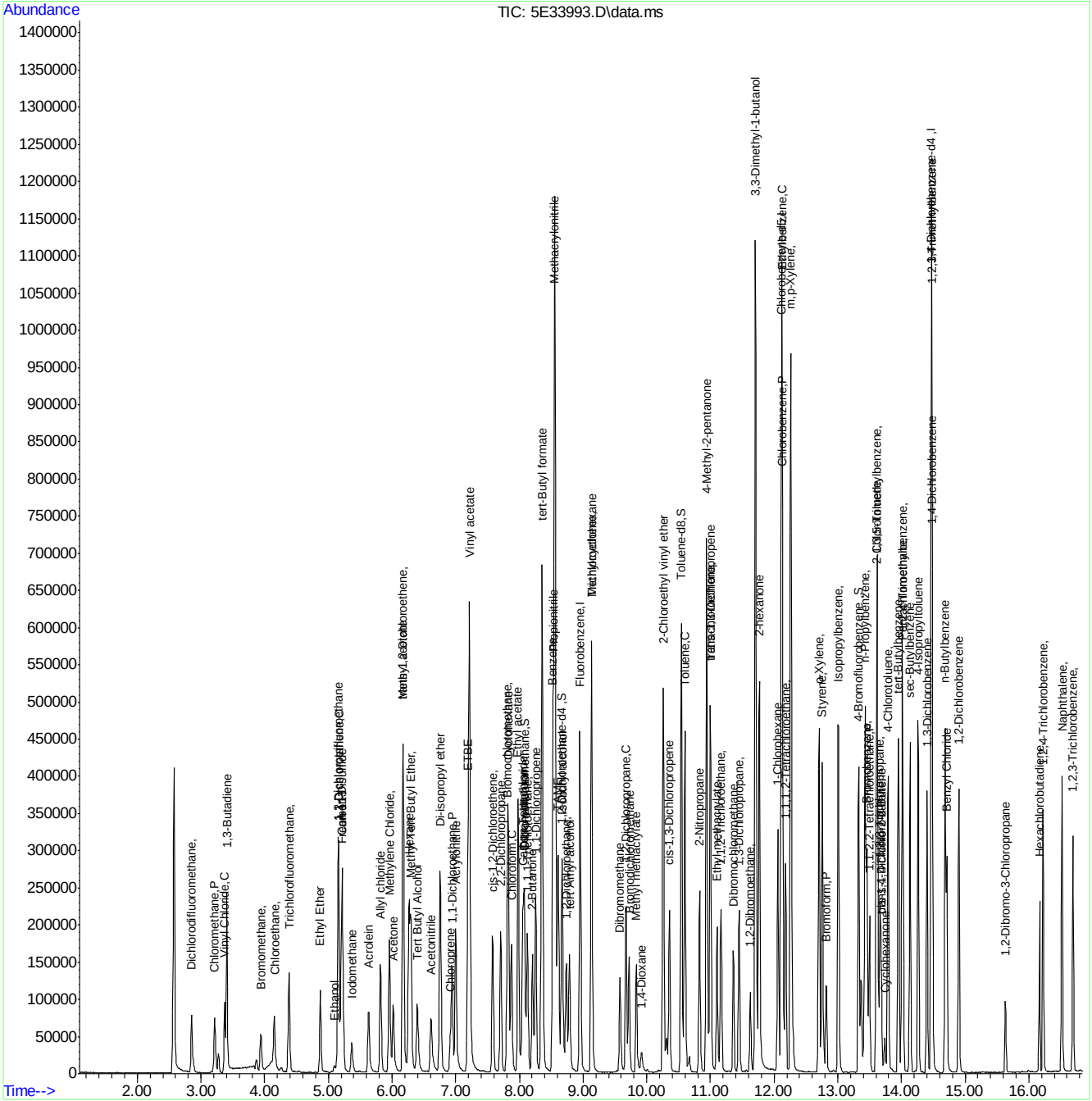
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92)	2-Chlorotoluene	13.621	91	220183	39.67	ug/L	99
93)	trans-1,4-Dichloro-2-B...	13.682	53	27267	38.84	ug/L	95
94)	1,2,3-Trichloropropane	13.664	110	26473	39.65	ug/L	95
95)	Cyclohexanone	13.737	55	21234	173.26	ug/L	99
96)	4-Chlorotoluene	13.792	91	199910	39.48	ug/L	99
98)	tert-Butylbenzene	13.950	91	128228	39.85	ug/L	99
99)	1,2,4-Trimethylbenzene	14.023	105	235342	40.88	ug/L	99
100)	Pentachloroethane	14.011	167	42294	42.53	ug/L	94
101)	sec-Butylbenzene	14.133	105	278823	41.92	ug/L	99
102)	4-Isopropyltoluene	14.261	119	244373	42.14	ug/L	98
103)	1,3-Dichlorobenzene	14.401	146	137851	41.61	ug/L	98
104)	1,2,3-Trimethylbenzene	14.474	105	235629	40.19	ug/L	100
105)	1,4-Dichlorobenzene	14.487	146	143225	41.51	ug/L	98
106)	n-Butylbenzene	14.688	92	131231	43.25	ug/L	100
107)	Benzyl Chloride	14.712	126	36392	42.05	ug/L	94
108)	1,2-Dichlorobenzene	14.901	146	133287	41.23	ug/L	99
109)	1,2-Dibromo-3-Chloropr...	15.633	75	15846	37.69	ug/L	98
110)	Hexachlorobutadiene	16.169	225	30279	44.90	ug/L	97
111)	1,2,4-Trichlorobenzene	16.224	180	86225	42.45	ug/L	98
112)	Naphthalene	16.523	128	273799	38.69	ug/L	99
113)	1,2,3-Trichlorobenzene	16.694	180	81135	41.24	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-07-2022\
Data File : 5E33993.D
Acq On : 7 Sep 2022 9:23 am
Operator : courtnef
Sample : CC1549-5
Misc : MS52257,V5E1550,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 09:41:27 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration



Manual Integration Approval Summary

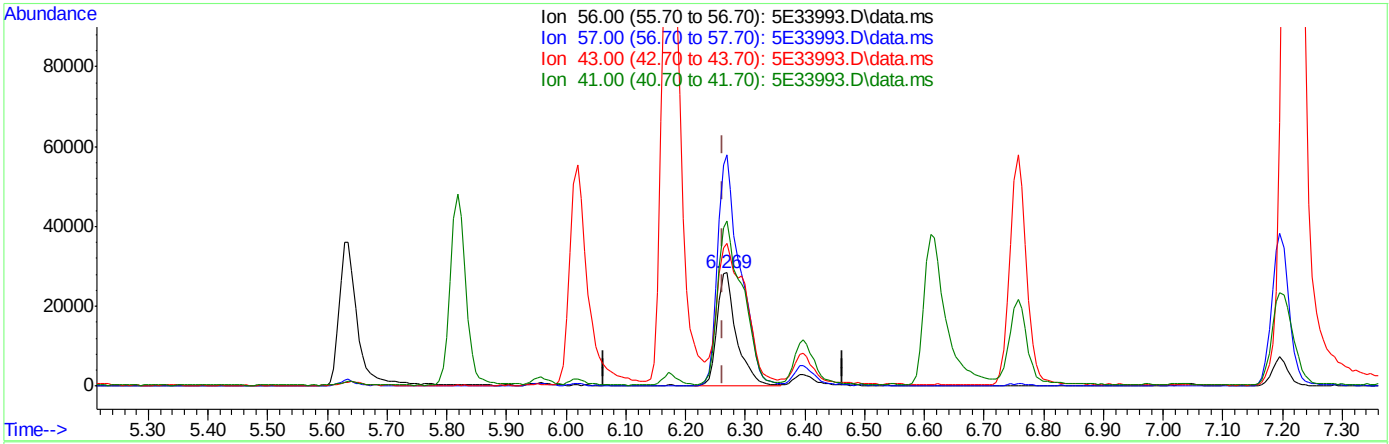
Sample Number:	V5E1550-CC1549	**Method:**	SW846 8260D
Lab FileID:	5E33993.D	**Analyst approved:**	09/07/22 09:45 Courtney Failla
Injection Time:	09/07/22 09:23	**Supervisor approved:**	09/08/22 15:01 Karen Watson

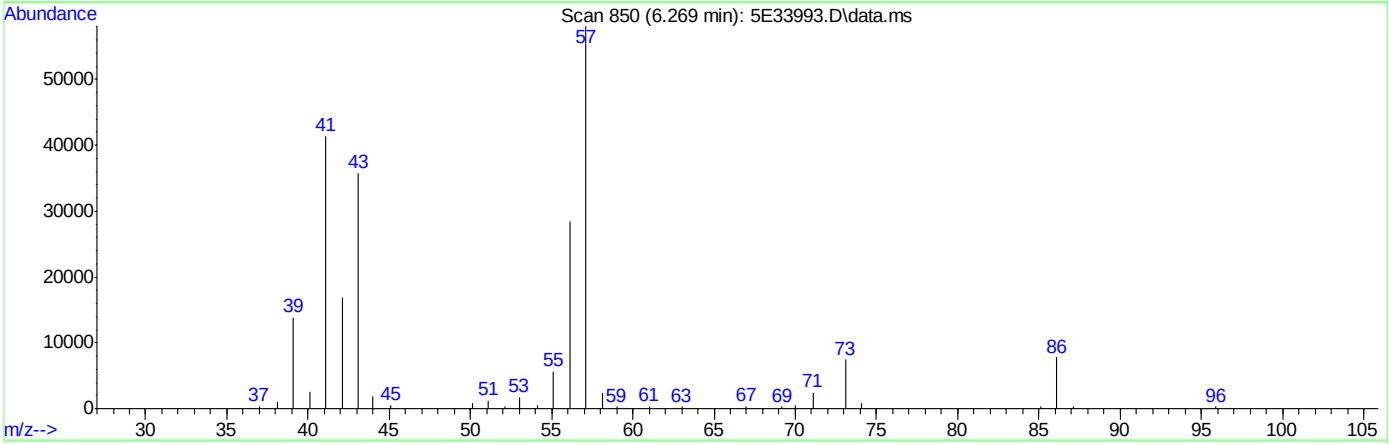
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.27	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-07-2022\
Data File : 5E33993.D
Acq On : 7 Sep 2022 9:23 am
Operator : courtnef
Sample : CC1549-5
Misc : MS52257,V5E1550,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 09:41:03 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration





TIC: 5E33993.D\data.ms

(22) Hexane

6.269min (+0.006) 51.47ug/L

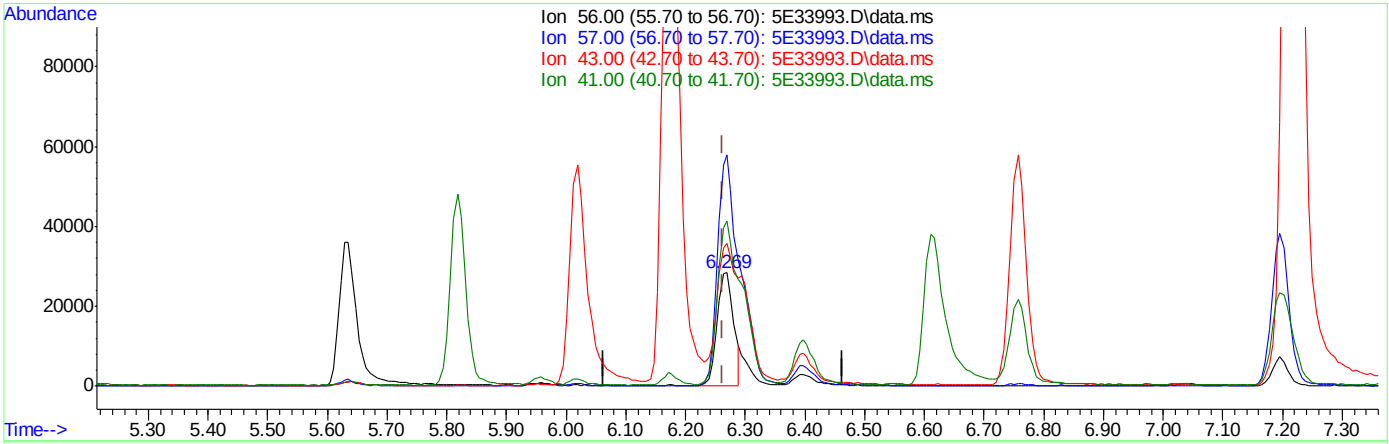
response 64816

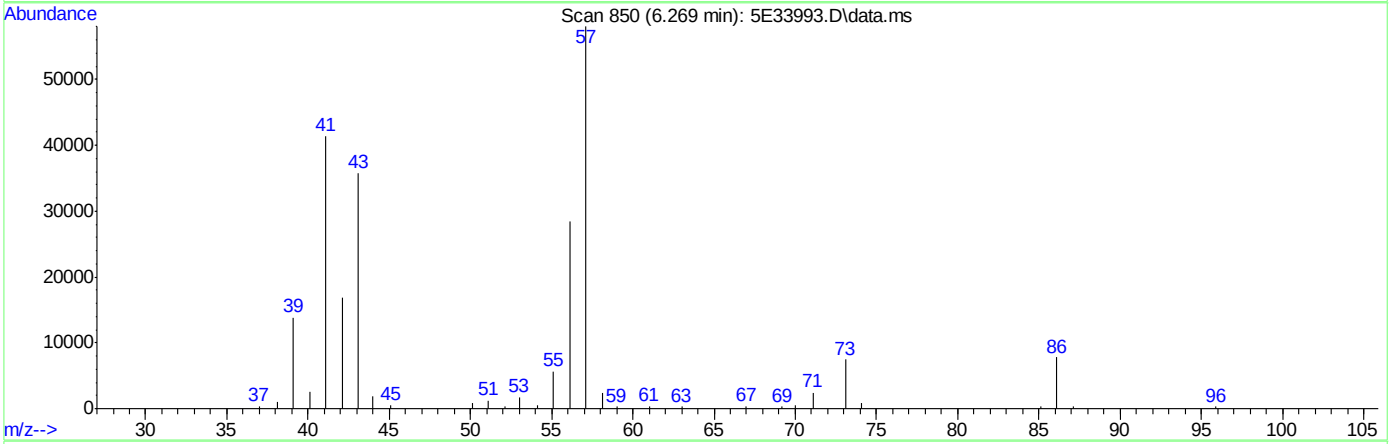
Ion	Exp%	Act%
56.00	100	100
57.00	195.00	204.08
43.00	127.80	119.69
41.00	142.30	143.88

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-07-2022\
Data File : 5E33993.D
Acq On : 7 Sep 2022 9:23 am
Operator : courtnef
Sample : CC1549-5
Misc : MS52257,V5E1550,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 09:41:03 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration





TIC: 5E33993.D\data.ms

(22) Hexane

6.269min (+0.006) 42.54ug/L m

response 54079

Ion	Exp%	Act%
56.00	100	100
57.00	195.00	204.08
43.00	127.80	125.94
41.00	142.30	145.51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34020.d
Acq On : 7 Sep 2022 7:56 pm
Operator : courtnef
Sample : ECC1549-5
Misc : MS52327,V5E1550,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 21:28:35 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.951	96	291587	50.00	ug/L	0.00
61) Chlorobenzene-d5	12.115	117	218073	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.468	152	107252	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.079	113	83593	49.96	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.92%		
49) 1,2-Dichloroethane-d4	8.665	65	82969	48.45	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	96.90%		
62) Toluene-d8	10.542	98	281452	49.79	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	99.58%		
86) 4-Bromofluorobenzene	13.328	95	96832	48.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	97.84%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	53747	43.24	ug/L	95
3) Chloromethane	3.214	50	65716	40.51	ug/L	100
4) Vinyl Chloride	3.367	62	68729	42.10	ug/L	99
5) 1,3-Butadiene	3.403	39	62262	39.24	ug/L	98
6) Bromomethane	3.940	94	25075	50.71	ug/L	96
7) Chloroethane	4.147	64	39374	42.51	ug/L	96
8) Trichlorofluoromethane	4.379	101	83150	43.92	ug/L	98
9) Ethyl Ether	4.873	59	49851	38.66	ug/L	96
10) Ethanol	5.092	45	14258	575.23	ug/L	96
11) 1,2-Dichlorotrifluoroe...	5.153	67	60839	41.58	ug/L	98
12) 1,1-Dichloroethene	5.159	61	93638	41.84	ug/L	96
13) Freon 113	5.220	101	55484	46.08	ug/L	97
14) Carbon Disulfide	5.208	76	148546	37.64	ug/L	99
15) Iodomethane	5.366	142	48270	52.98	ug/L	97
16) Acrolein	5.629	56	58287	159.83	ug/L	98
17) Allyl chloride	5.818	41	65157	37.36	ug/L	99
18) Methylene Chloride	5.958	49	91449	42.16	ug/L	98
19) Acetone	6.019	43	96641	174.40	ug/L	97
20) Methyl acetate	6.171	43	252568	190.08	ug/L	97
21) trans-1,2-Dichloroethene	6.171	61	88202	40.43	ug/L	99
22) Hexane	6.269	56	48314	47.82	ug/L	97
23) Methyl Tert Butyl Ether	6.299	73	133834	39.92	ug/L	99
24) Acetonitrile	6.610	41	74244	343.43	ug/L	99
25) Di-isopropyl ether	6.756	45	182612	39.59	ug/L	99
26) Chloroprene	6.915	53	17134	38.95	ug/L	95
27) 1,1-Dichloroethane	6.945	63	106679	39.88	ug/L	98
28) Acrylonitrile	7.000	53	133348	184.51	ug/L	97
29) ETBE	7.195	59	189461	41.05	ug/L	99
30) Tert Butyl Alcohol	6.397	59	85197	336.53	ug/L	99
31) Vinyl acetate	7.214	43	600658	187.80	ug/L	99
32) cis-1,2-Dichloroethene	7.579	96	55780	39.25	ug/L	98
33) 2,2-Dichloropropane	7.707	77	63030	35.71	ug/L	98
34) Bromochloromethane	7.811	128	30657	40.99	ug/L	98
35) Cyclohexane	7.823	56	111048	43.12	ug/L	99
36) Chloroform	7.878	83	93386	40.07	ug/L	98
37) Ethyl acetate	7.982	43	341242	187.04	ug/L	100
38) Tetrahydrofuran	8.067	42	21022	34.07	ug/L	95
40) Carbon Tetrachloride	8.055	117	80126	43.99	ug/L	99
41) 1,1,1-Trichloroethane	8.122	97	83549	42.16	ug/L	97
42) 2-Butanone	8.201	43	154935	170.72	ug/L	97
43) 1,1-Dichloropropene	8.256	75	70103	41.11	ug/L	98
44) tert-Butyl formate	8.354	59	172207	397.64	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34020.d
Acq On : 7 Sep 2022 7:56 pm
Operator : courtnef
Sample : ECC1549-5
Misc : MS52327,V5E1550,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 21:28:35 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	8.537	54	105017	346.71	ug/L		91
46)	Methacrylonitrile	8.555	41	407419	355.30	ug/L		99
47)	Benzene	8.524	78	203282	39.24	ug/L		99
48)	TAME	8.610	73	137344	40.06	ug/L		98
50)	1,2-Dichloroethane	8.738	62	82051	40.29	ug/L		98
51)	tert Amyl alcohol	8.787	59	67654	339.88	ug/L		99
52)	Trichloroethene	9.134	95	57222	39.70	ug/L		99
53)	Methylcyclohexane	9.134	83	83723	43.57	ug/L		99
54)	Dibromomethane	9.579	93	35645	40.08	ug/L		98
55)	1,2-Dichloropropane	9.671	63	61631	39.12	ug/L		98
56)	Bromodichloromethane	9.719	83	67865	39.48	ug/L		99
57)	Methyl methacrylate	9.835	41	51794	35.81	ug/L		95
58)	1,4-Dioxane	9.914	88	15127	691.32	ug/L		94
59)	2-Chloroethyl vinyl ether	10.262	63	161014	170.05	ug/L		99
60)	cis-1,3-Dichloropropene	10.359	75	74115	38.52	ug/L		98
63)	Toluene	10.597	91	222509	38.51	ug/L		98
64)	Isobutyl alcohol	8.677	43	61870	648.95	ug/L		98
65)	2-Nitropropane	10.829	41	102015	179.10	ug/L		99
66)	4-Methyl-2-pentanone	10.939	43	338272	172.26	ug/L		99
67)	trans-1,3-Dichloropropene	11.000	75	63290	40.08	ug/L		98
68)	Tetrachloroethene	11.000	166	66786	45.48	ug/L		100
69)	Ethyl methacrylate	11.103	69	63525	35.42	ug/L		98
70)	1,1,2-Trichloroethane	11.164	83	40670	37.76	ug/L		93
71)	Dibromochloromethane	11.359	129	62579	40.18	ug/L		98
72)	1,3-Dichloropropane	11.451	76	79795	39.24	ug/L		98
73)	1,2-Dibromoethane	11.627	107	53352	39.46	ug/L		99
74)	3,3-Dimethyl-1-butanol	11.707	57	373074	1508.10	ug/L		98
75)	2-hexanone	11.768	43	242203	170.19	ug/L		99
76)	1-Chlorohexane	12.060	91	68057	39.71	ug/L		98
77)	Ethylbenzene	12.127	91	239867	38.08	ug/L		99
78)	Chlorobenzene	12.133	112	147372	39.61	ug/L		98
79)	1,1,1,2-Tetrachloroethane	12.182	131	56673	41.25	ug/L		96
80)	m,p-Xylene	12.261	91	373311	77.92	ug/L		99
81)	o-Xylene	12.707	91	184572	38.71	ug/L		99
82)	Styrene	12.755	104	146172	40.09	ug/L		99
83)	Bromoform	12.816	173	39573	40.28	ug/L		98
84)	Isopropylbenzene	13.011	105	229161	39.76	ug/L		99
87)	cis-1,4-Dichloro-2-butene	13.682	53	19098	33.41	ug/L		99
88)	n-Propylbenzene	13.426	91	262465	38.45	ug/L		99
89)	Bromobenzene	13.456	156	61468	40.27	ug/L		99
90)	1,1,2,2-Tetrachloroethane	13.499	83	70619	35.95	ug/L		98
91)	1,3,5-Trimethylbenzene	13.609	105	191917	39.47	ug/L		99
92)	2-Chlorotoluene	13.621	91	173388	38.10	ug/L		98
93)	trans-1,4-Dichloro-2-B...	13.682	53	19098	33.41	ug/L		99
94)	1,2,3-Trichloropropane	13.664	110	21445	39.17	ug/L		95
95)	Cyclohexanone	13.737	55	17552	174.71	ug/L		96
96)	4-Chlorotoluene	13.792	91	152609	36.76	ug/L		98
98)	tert-Butylbenzene	13.950	91	101690	38.54	ug/L		99
99)	1,2,4-Trimethylbenzene	14.023	105	185827	39.37	ug/L		99
100)	Pentachloroethane	14.011	167	27143	33.29	ug/L		98
101)	sec-Butylbenzene	14.133	105	219198	40.19	ug/L		99
102)	4-Isopropyltoluene	14.261	119	189393	39.83	ug/L		98
103)	1,3-Dichlorobenzene	14.401	146	108163	39.82	ug/L		99
104)	1,2,3-Trimethylbenzene	14.474	105	185911	38.68	ug/L		100
105)	1,4-Dichlorobenzene	14.487	146	113945	40.28	ug/L		97
106)	n-Butylbenzene	14.688	92	95190	38.27	ug/L		99
107)	Benzyl Chloride	14.712	126	20950	30.68	ug/L	#	87
108)	1,2-Dichlorobenzene	14.901	146	105923	39.97	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34020.d
Acq On : 7 Sep 2022 7:56 pm
Operator : courtnef
Sample : ECC1549-5
Misc : MS52327,V5E1550,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 21:28:35 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration

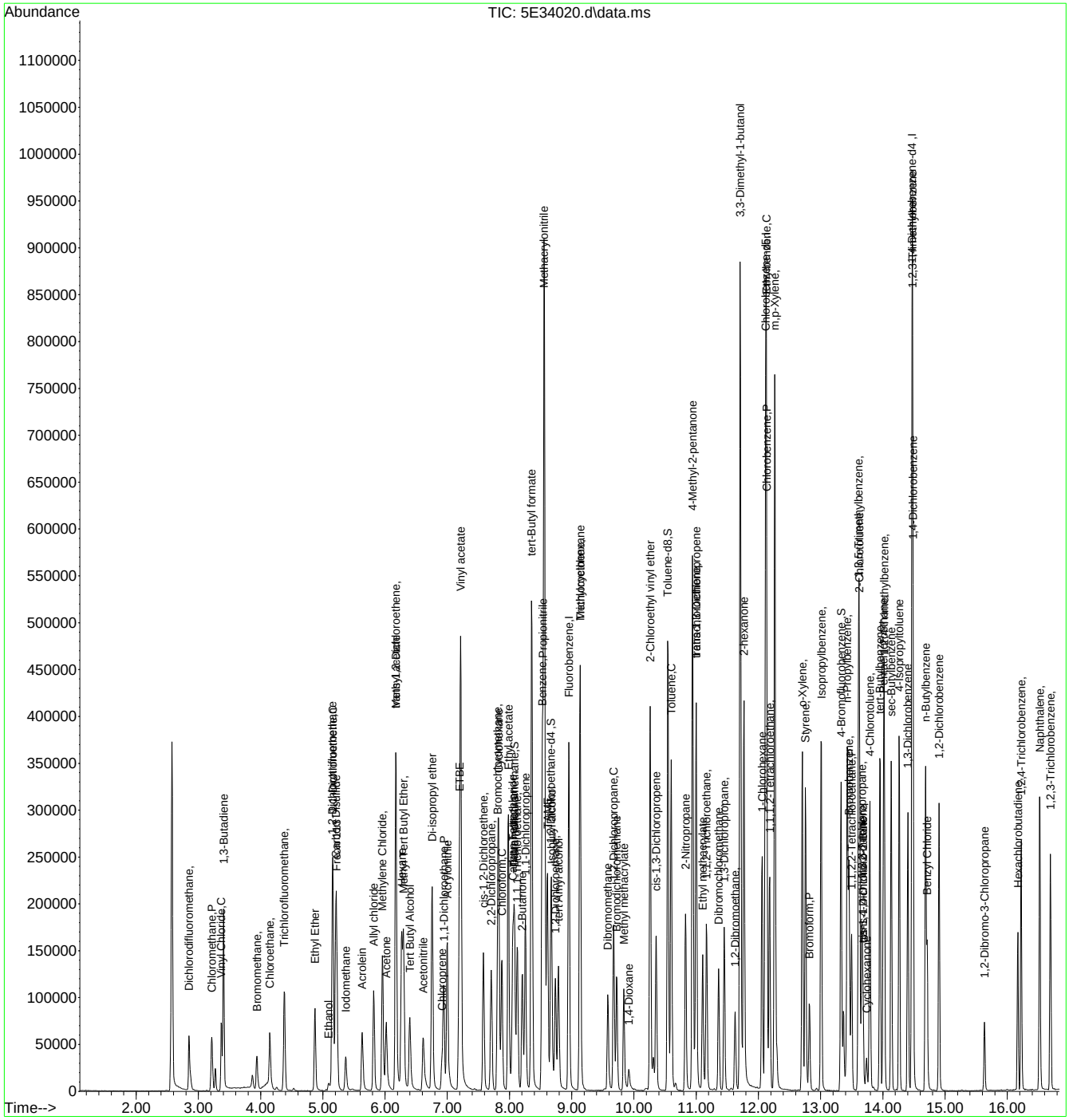
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	15.633	75	12259	35.65	ug/L	99
110) Hexachlorobutadiene	16.169	225	22970	41.54	ug/L	96
111) 1,2,4-Trichlorobenzene	16.224	180	67747	40.68	ug/L	99
112) Naphthalene	16.523	128	220832	38.06	ug/L	99
113) 1,2,3-Trichlorobenzene	16.694	180	66109	40.98	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-08-2022\V5E1550\
Data File : 5E34020.d
Acq On : 7 Sep 2022 7:56 pm
Operator : courtnef
Sample : ECC1549-5
Misc : MS52327,V5E1550,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 21:28:35 2022
Quant Method : C:\msdchem\1\methods\appIX09-06-2022_.M
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Sep 07 08:25:02 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:45:07 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	9.497	96	675482	50.00	ug/L		0.00
62) Chlorobenzene-d5	12.150	117	548327	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	262346	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.603	113	144495	47.33	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.66%				
49) 1,2-Dichloroethane-d4	9.205	65	181738	47.92	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.84%				
63) Toluene-d8	10.933	98	675098	48.48	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.96%				
86) 4-Bromofluorobenzene	13.008	174	201243	50.09	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.18%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.848	85	3808	1.35	ug/L		94
3) Acrolein	5.598	56	2593	2.40	ug/L		73
4) Chloromethane	3.171	50	4503	1.05	ug/L		87
5) 1,3-butadiene	3.341	39	3276	0.88	ug/L		100
6) Vinyl Chloride	3.304	62	5272	1.27	ug/L		94
8) Chloroethane	4.034	64	3032	2.68	ug/L		99
9) Trichlorofluoromethane	4.259	101	4770	1.02	ug/L		100
10) Ethyl Ether	4.746	59	2901	1.01	ug/L	#	84
12) 1,2-Dichlorotrifluoroe...	5.032	67	3334	1.16	ug/L	#	76
13) 1,1-Dichloroethene	5.056	61	4453	1.04	ug/L		95
14) Freon 113	5.111	101	3041	1.08	ug/L	#	83
15) Carbon Disulfide	5.111	76	8476	1.01	ug/L		93
17) Allyl chloride	5.799	41	2824	0.60	ug/L		89
18) Methylene Chloride	5.963	49	30449	6.19	ug/L		97
19) Acetone	6.060	43	14197	6.23	ug/L		91
20) Methyl acetate	6.249	43	17365	3.95	ug/L		91
21) trans-1,2-Dichloroethene	6.231	61	4208	0.96	ug/L		89
22) Hexane	6.334	56	1746m	0.62	ug/L		
23) Methyl Tert Butyl Ether	6.389	73	11726	1.37	ug/L		73
24) Tert Butyl Alcohol	6.529	59	8844	6.05	ug/L		92
25) Acetonitrile	6.821	41	4950	5.47	ug/L	#	71
26) Di-isopropyl ether	6.991	45	11043	1.03	ug/L		96
27) Chloroprene	7.338	53	3130	0.67	ug/L	#	50
28) 1,1-Dichloroethane	7.210	63	5663	1.01	ug/L		83
29) Acrylonitrile	7.338	53	3130	1.47	ug/L		91
30) ETBE	7.587	59	11130	1.10	ug/L		81
31) Vinyl acetate	7.630	43	19205m	2.25	ug/L		
32) cis-1,2-Dichloroethene	8.043	96	3906	1.13	ug/L	#	76
33) 2,2-Dichloropropane	8.171	77	4358	0.98	ug/L		79
34) Bromochloromethane	8.305	128	1981	1.26	ug/L	#	57
35) Cyclohexane	8.293	56	5800	0.91	ug/L	#	85
36) Chloroform	8.384	83	5771	1.16	ug/L		89
37) Ethyl acetate	8.530	43	23951	3.71	ug/L		96
38) Tetrahydrofuran	8.597	42	3476	1.30	ug/L	#	77
40) Carbon Tetrachloride	8.554	117	3235	0.85	ug/L		82
41) 1,1,1-Trichloroethane	8.633	97	4842	1.07	ug/L		76
42) 2-Butanone	8.761	43	21178	5.73	ug/L		92
43) 1,1-Dichloropropene	8.792	75	4057	0.96	ug/L		84
44) tert-Butyl formate	8.901	59	14184	5.21	ug/L	#	84
45) Propionitrile	9.096	54	7519	6.29	ug/L		93
46) Methacrylonitrile	9.108	41	26536	6.85	ug/L		97
47) Benzene	9.065	78	14820	1.12	ug/L		94
48) TAME	9.175	73	11585	1.36	ug/L		85
50) Isobutyl Alcohol	9.284	42	2735	8.51	ug/L		89
51) 1,2-Dichloroethane	9.284	62	4734	1.07	ug/L		85
52) Tert Amyl Alcohol	9.382	59	6675m	7.75	ug/L		
53) Trichloroethene	9.686	95	3374	1.04	ug/L		79
54) Methylcyclohexane	9.668	83	5141	0.87	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:45:07 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

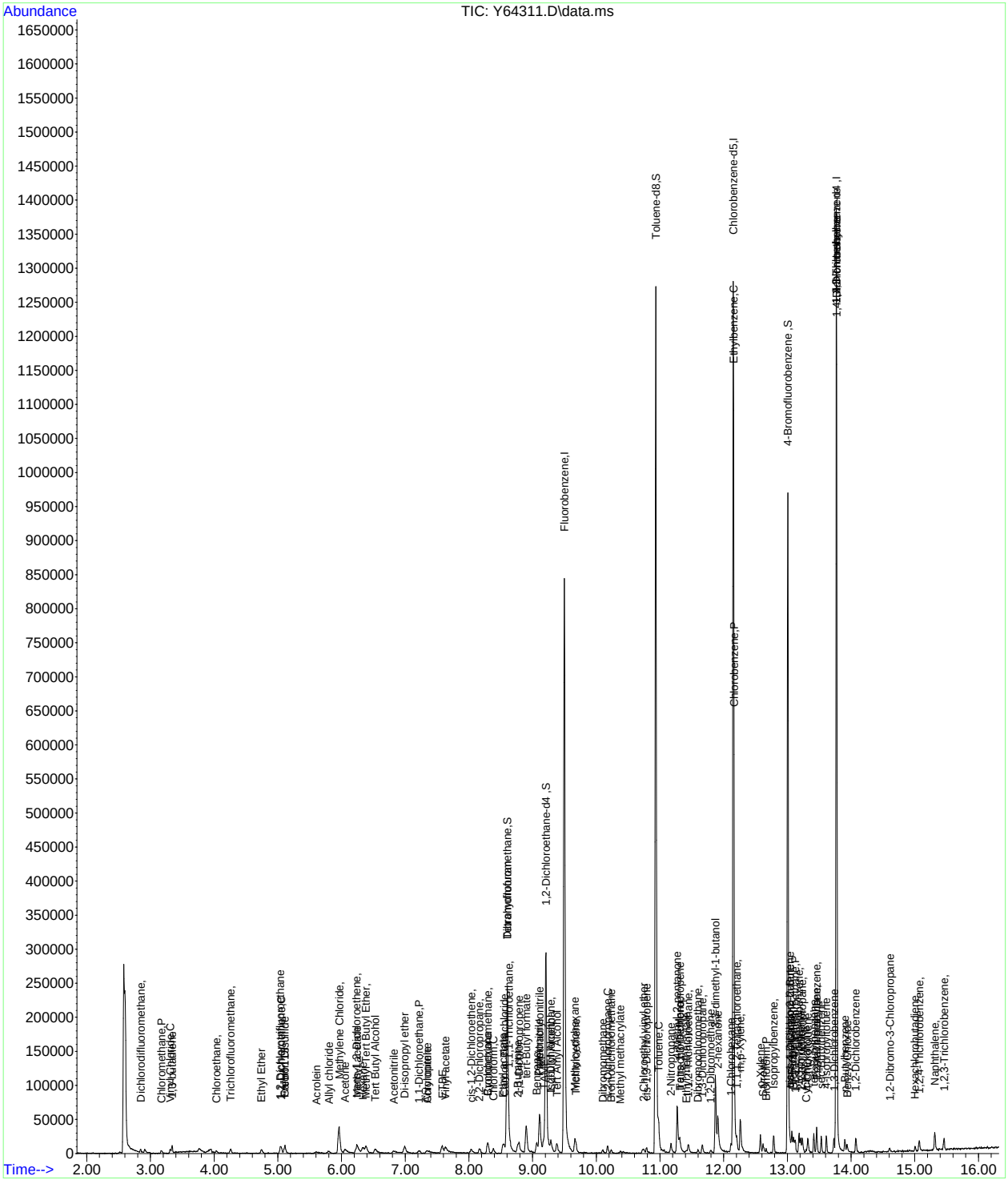
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
55) Dibromomethane	10.106	93	1951	1.03	ug/L		85
56) 1,2-Dichloropropane	10.179	63	3489	1.00	ug/L		93
57) Bromodichloromethane	10.233	83	3204	0.89	ug/L		100
58) Methyl methacrylate	10.373	41	1277	0.30	ug/L		92
60) 2-Chloroethyl vinyl ether	10.744	63	3591	6.57	ug/L		80
61) cis-1,3-Dichloropropene	10.793	75	3400	0.71	ug/L		90
64) Toluene	10.982	91	17188	1.12	ug/L		87
65) 2-Nitropropane	11.176	41	6920	3.64	ug/L	#	73
66) 4-Methyl-2-pentanone	11.268	43	47077	6.32	ug/L		94
67) trans-1,3-Dichloropropene	11.316	75	2704	0.60	ug/L		79
68) Tetrachloroethene	11.310	166	3669	0.95	ug/L		77
69) Ethyl methacrylate	11.414	69	2174	0.42	ug/L		83
70) 1,1,2-Trichloroethane	11.444	83	3062	1.21	ug/L		91
71) Dibromochloromethane	11.596	129	2704	0.83	ug/L		91
72) 1,3-Dichloropropane	11.669	76	6781	1.21	ug/L		85
73) 1,2-Dibromoethane	11.797	107	3607	1.08	ug/L	#	60
74) 3,3-dimethyl-1-butanol	11.870	57	43022	28.07	ug/L		98
75) 2-hexanone	11.906	43	32337	5.89	ug/L		89
76) 1-Chlorohexane	12.119	91	3767	0.75	ug/L	#	73
77) Ethylbenzene	12.162	91	16962	0.95	ug/L		86
78) Chlorobenzene	12.168	112	10338	1.05	ug/L		90
79) 1,1,1,2-Tetrachloroethane	12.204	131	2974	0.87	ug/L		85
80) m,p-Xylene	12.259	91	25273	1.85	ug/L		95
81) o-Xylene	12.576	91	11904	0.89	ug/L		99
82) Styrene	12.618	104	7299	0.72	ug/L		93
83) Bromoform	12.667	173	1570	0.69	ug/L		86
84) Isopropylbenzene	12.782	105	15020	0.91	ug/L		94
87) cis-1,4-Dichloro-2-butene	13.044	53	1173	0.62	ug/L	#	22
88) n-Propylbenzene	13.068	91	18157	0.97	ug/L		94
89) Bromobenzene	13.099	156	4245	1.18	ug/L		88
90) 1,1,2,2-Tetrachloroethane	13.123	83	5817	1.17	ug/L		91
91) 1,3,5-Trimethylbenzene	13.178	105	11799	0.91	ug/L		85
92) 2-Chlorotoluene	13.208	91	12923	1.05	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.044	53	1173	0.69	ug/L		88
94) 1,2,3-Trichloropropane	13.233	110	2503	1.48	ug/L		90
95) Cyclohexanone	13.293	55	1441m	2.94	ug/L		
96) 4-Chlorotoluene	13.324	91	11205	1.02	ug/L		100
97) tert-Butylbenzene	13.415	91	7069	0.97	ug/L		97
98) 1,2,4-Trimethylbenzene	13.458	105	12361	0.97	ug/L		94
99) Pentachloroethane	13.464	167	1311	0.64	ug/L	#	91
100) sec-Butylbenzene	13.531	105	13001	0.82	ug/L		97
101) 4-Isopropyltoluene	13.610	119	11228	0.81	ug/L		95
102) 1,3-Dichlorobenzene	13.731	146	7419	1.09	ug/L		85
103) 1,2,3-Trimethylbenzene	13.762	105	12576	0.99	ug/L	#	65
104) 1,4-Dichlorobenzene	13.780	146	8556m	1.19	ug/L		
105) n-Butylbenzene	13.902	92	6372	0.94	ug/L		98
106) Benzyl Chloride	13.938	126	1145m	0.53	ug/L		
107) 1,2-Dichlorobenzene	14.072	146	6788	1.02	ug/L		98
108) 1,2-Dibromo-3-Chloropr...	14.607	75	1282m	0.94	ug/L		
109) Hexachlorobutadiene	15.003	225	923m	0.59	ug/L		
110) 1,2,4-Trichlorobenzene	15.076	180	4608	1.05	ug/L		83
111) Naphthalene	15.313	128	19485	1.04	ug/L		85
112) 1,2,3-Trichlorobenzene	15.459	180	4942	1.14	ug/L		86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:45:07 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

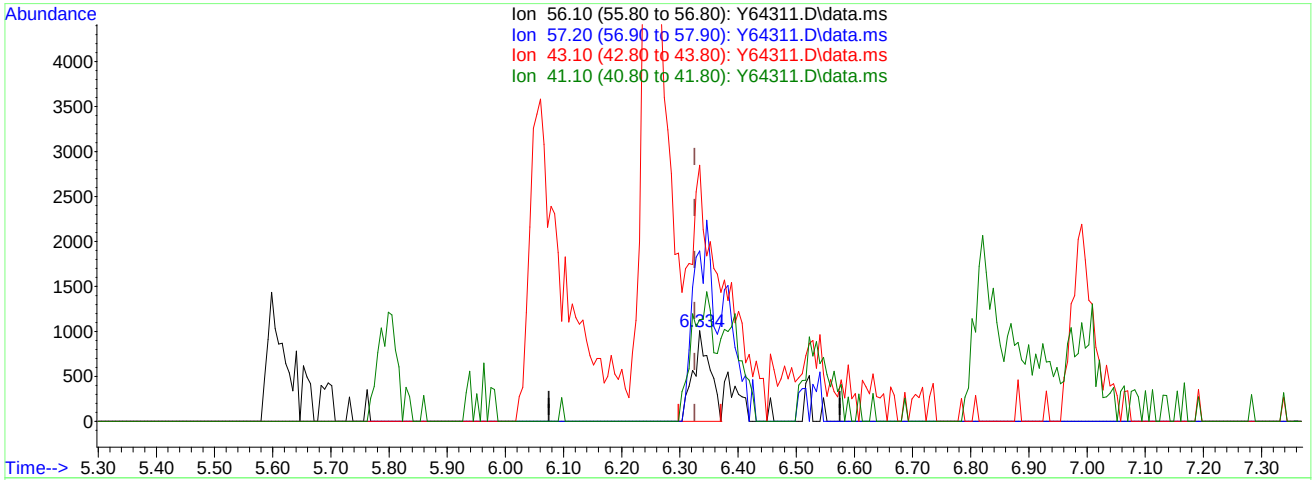
Sample Number: VY2666-IC2666
Lab FileID: Y64311.D
Injection Time: 08/29/22 13:05
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

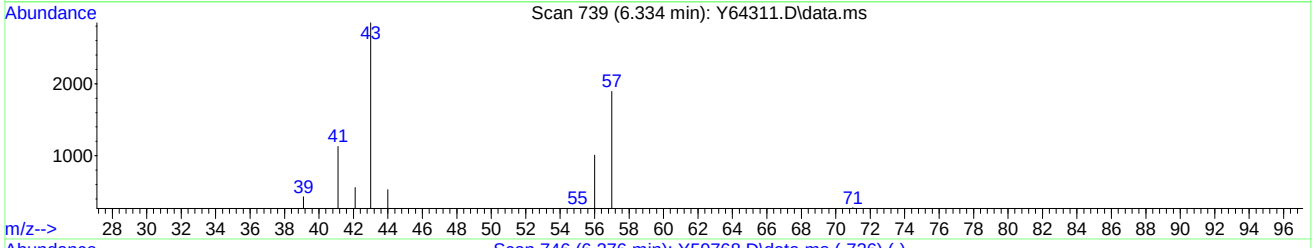
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Vinyl Acetate	108-05-4		7.63	Missed peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
Cyclohexanone	108-94-1		13.29	Poor instrument integration
1,4-Dichlorobenzene	106-46-7		13.78	Missed peak
Benzyl Chloride	100-44-7		13.94	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		14.61	Missed peak
Hexachlorobutadiene	87-68-3		15.00	Missed peak

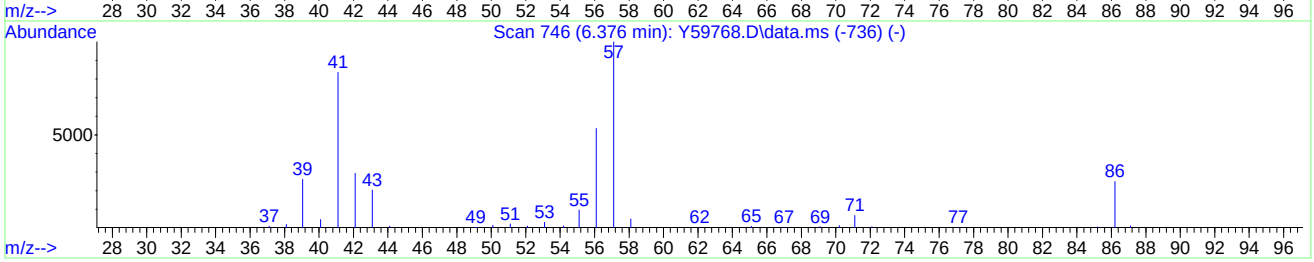
Quantitation Report (Qedit)

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Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:33:46 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(22) Hexane

6.334min (+0.009) 0.72ug/L

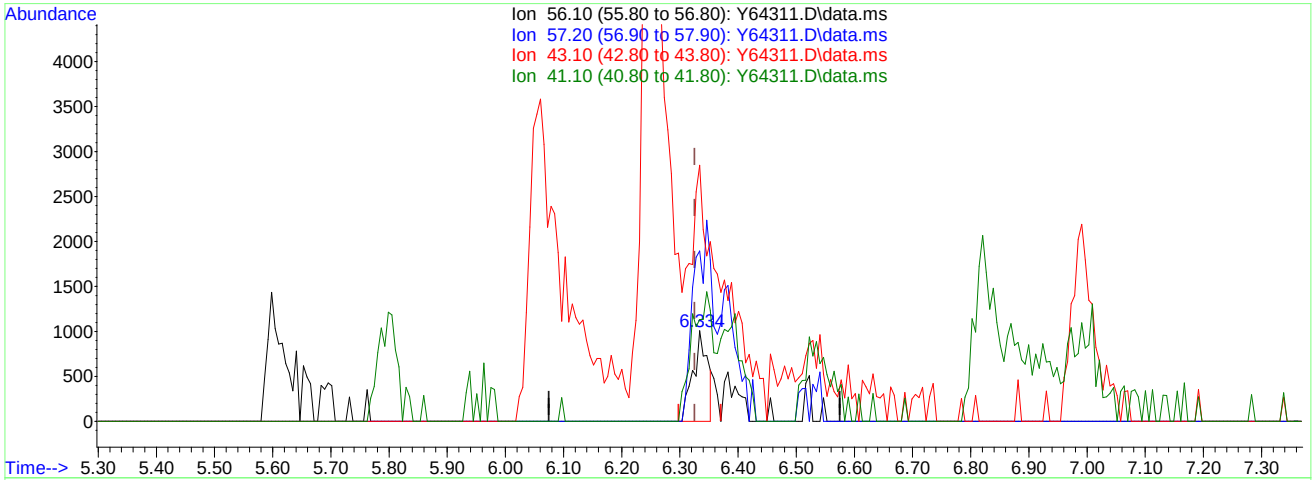
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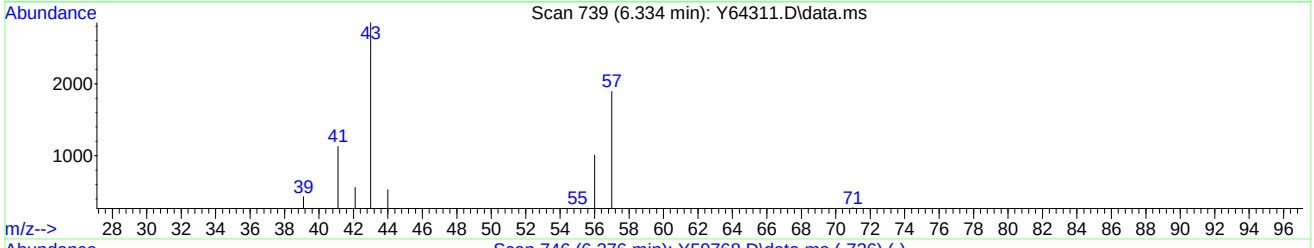
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	187.90
43.10	76.70	140.18#
41.10	144.30	112.20#

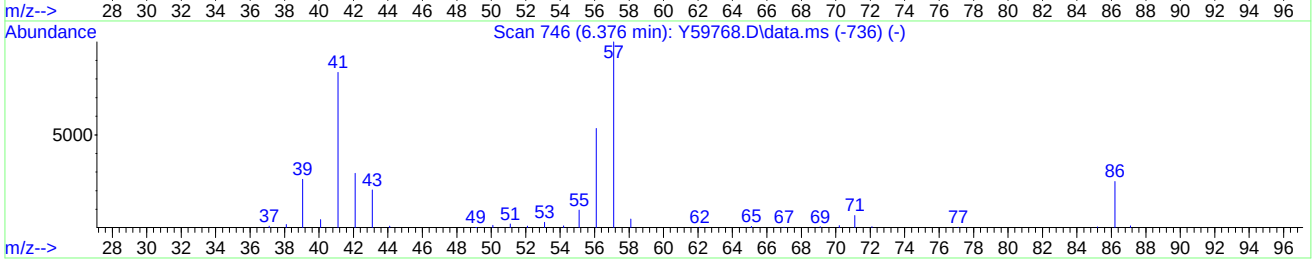
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:33:46 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
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TIC: Y64311.D\data.ms

(22) Hexane

6.334min (+0.009) 0.62ug/L m

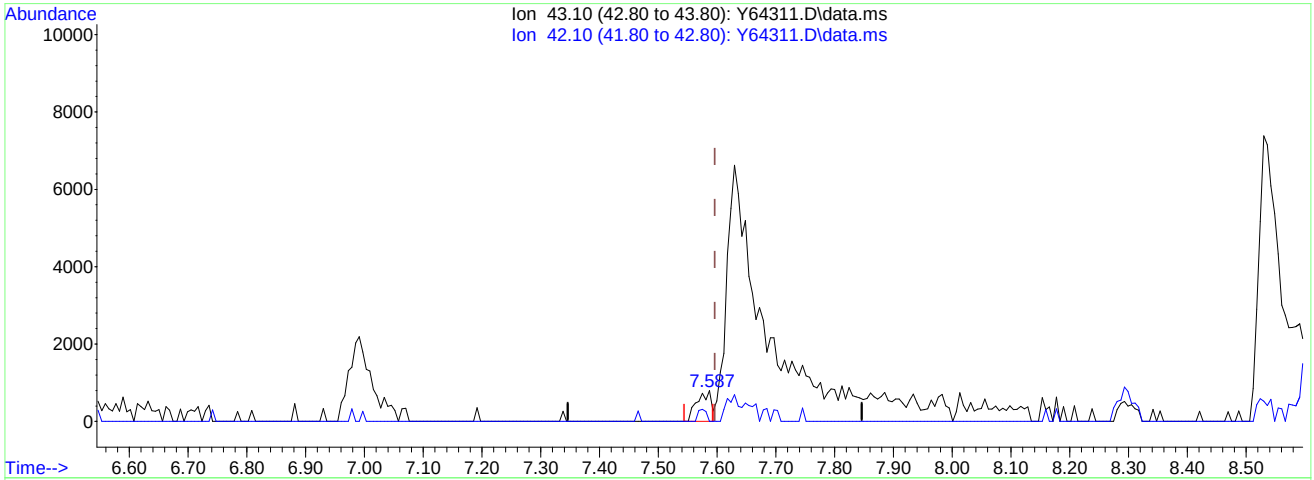
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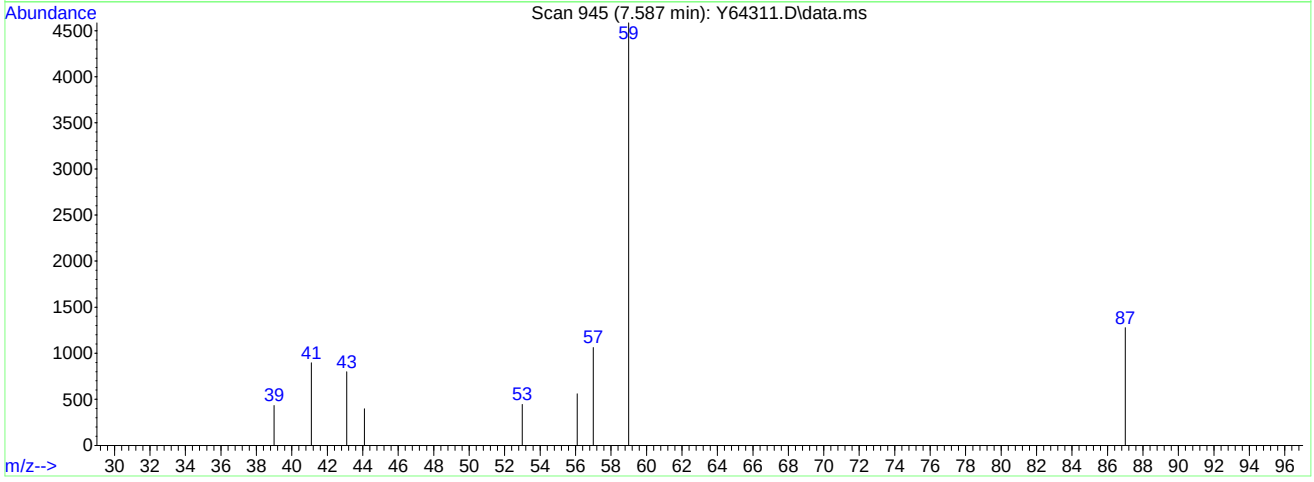
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	187.90
43.10	76.70	282.44#
41.10	144.30	112.20#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:38:06 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
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TIC: Y64311.D\data.ms

(31) Vinyl acetate

7.587min (-0.009) 0.16ug/L

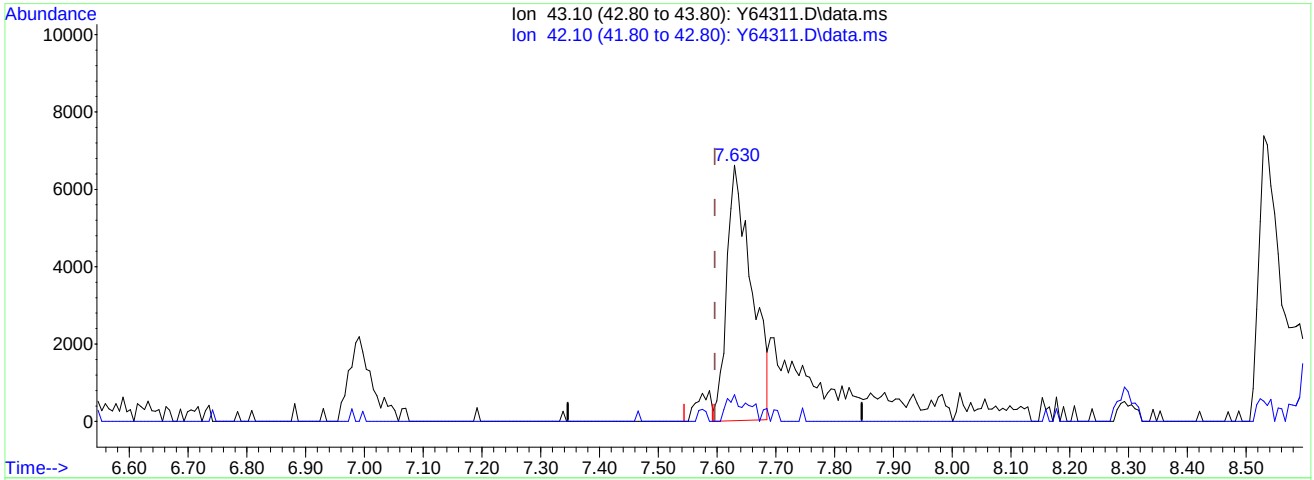
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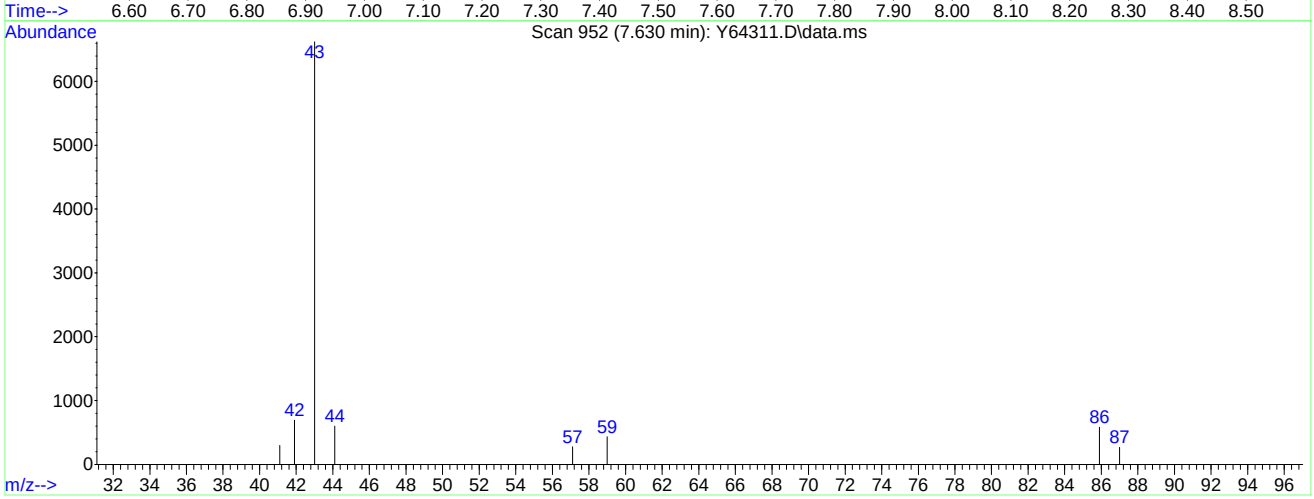
Ion	Exp%	Act%
43.10	100	100
42.10	8.40	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:38:06 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(31) Vinyl acetate

7.630min (+0.034) 2.25ug/L m

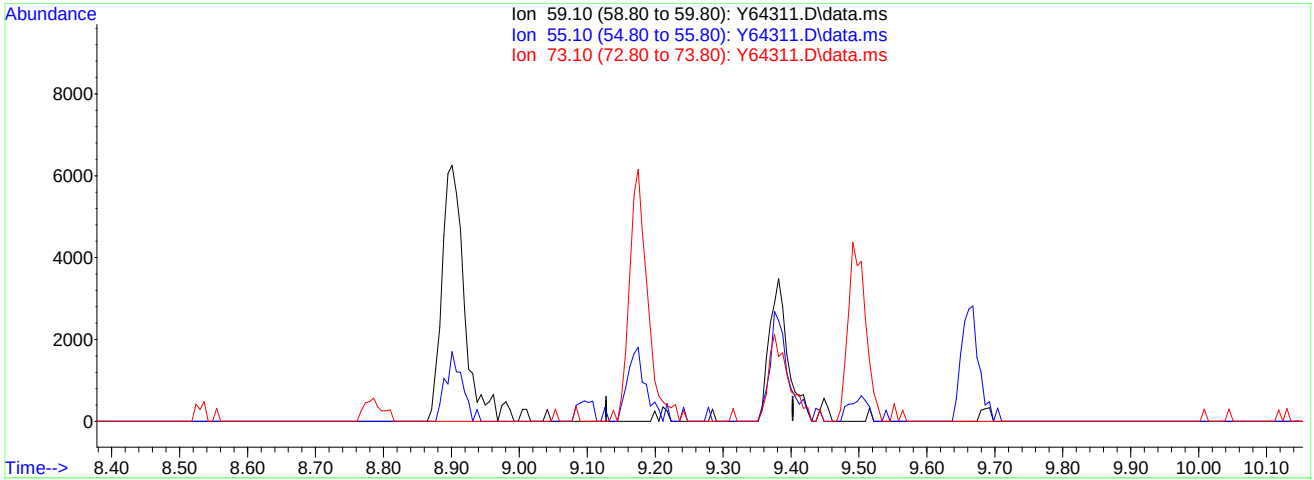
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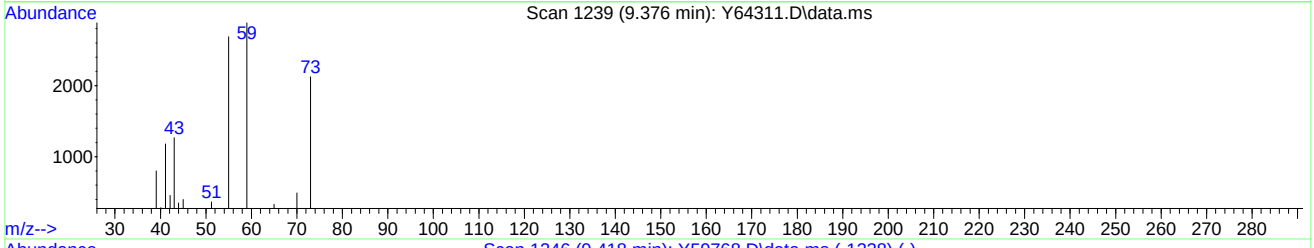
Ion	Exp%	Act%
43.10	100	100
42.10	8.40	10.48
0.00	0.00	0.00
0.00	0.00	0.00

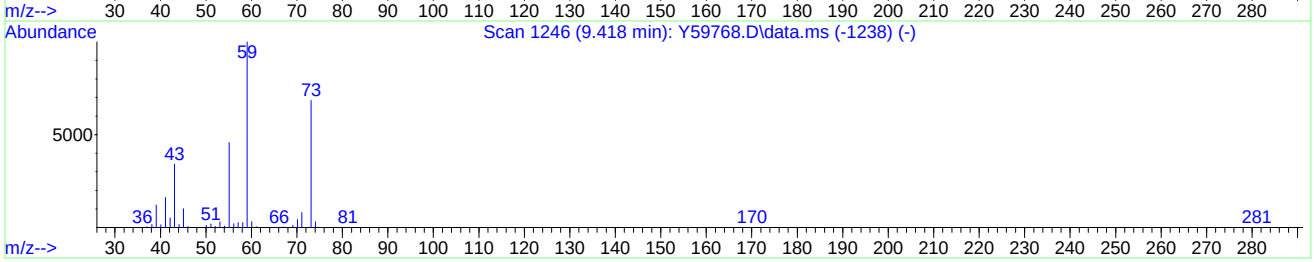
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:38:06 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(52) Tert Amyl Alcohol

9.378min (-9.378) 0.00ug/L

response 0

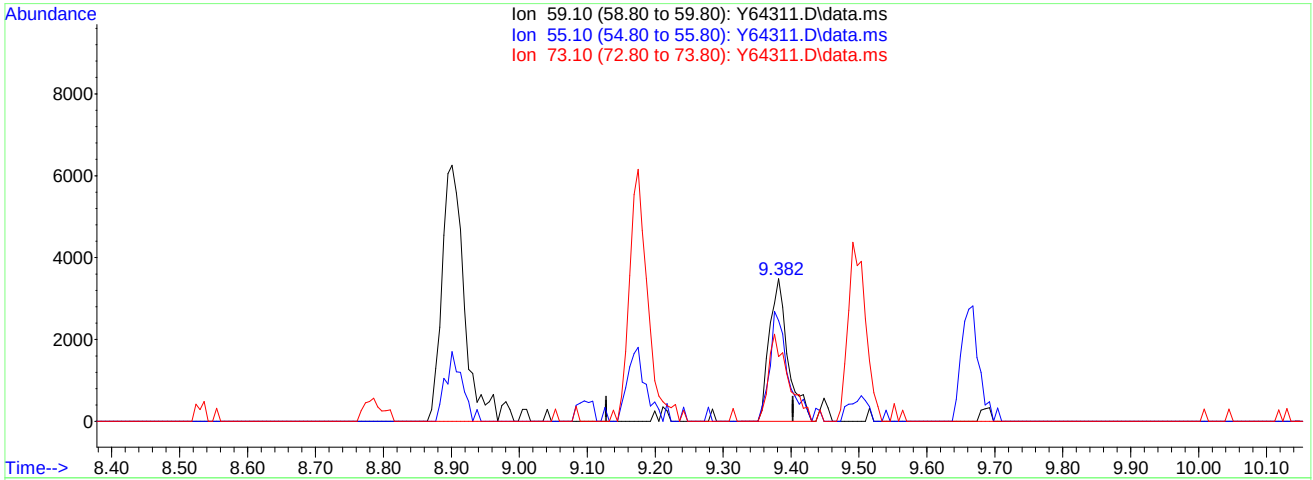
Ion	Exp%	Act%
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55.10	52.60	0.00#
73.10	53.50	0.00#
0.00	0.00	0.00

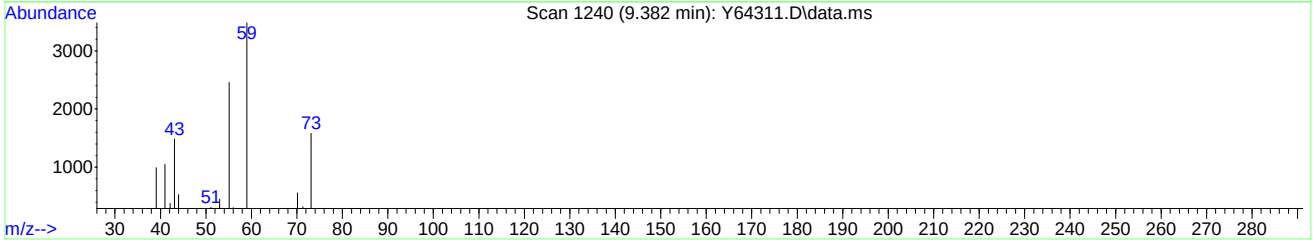
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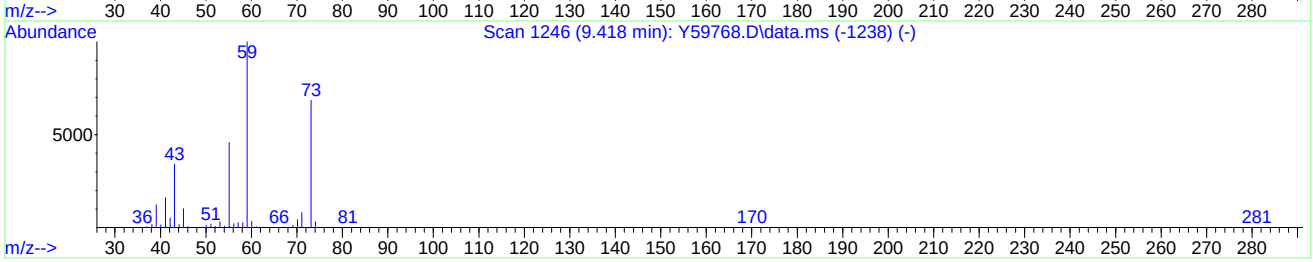
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:38:06 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(52) Tert Amyl Alcohol

9.382min (+0.004) 7.75ug/L m

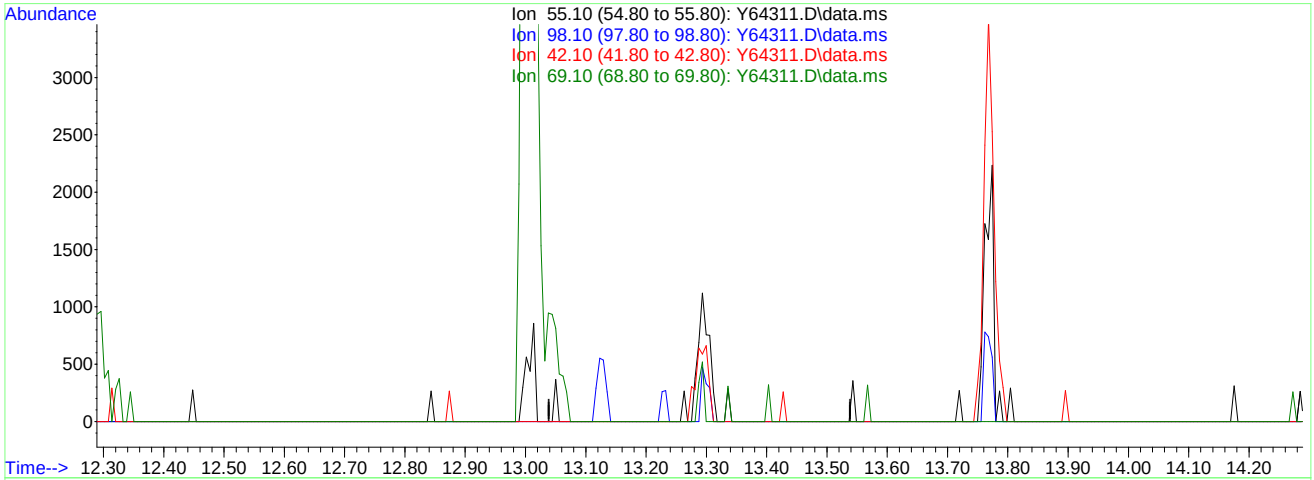
response 6675

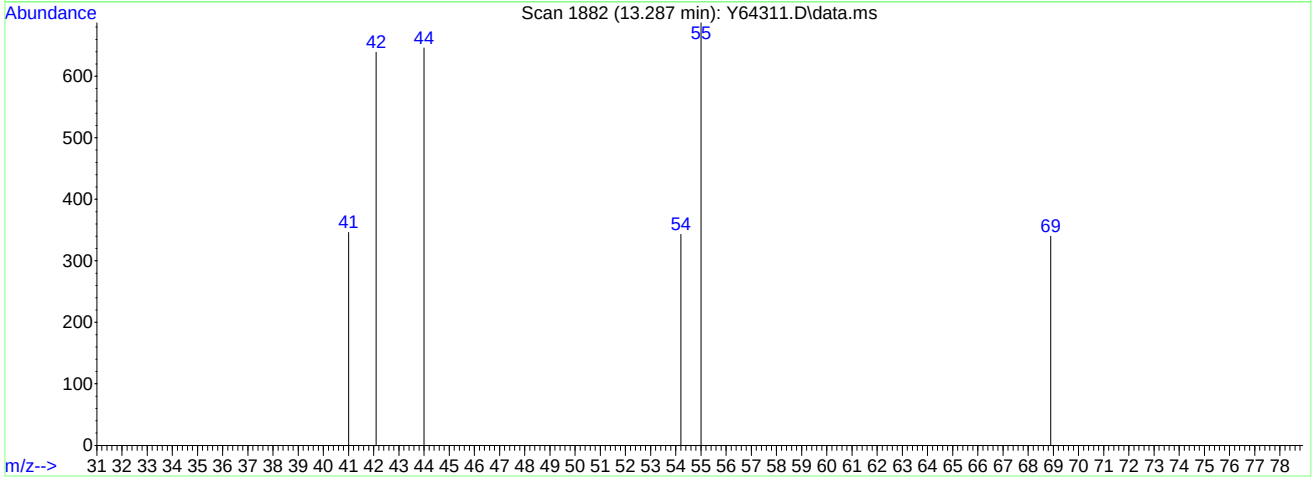
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	70.59
73.10	53.50	45.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(95) Cyclohexanone

13.289min 0.00ug/L d

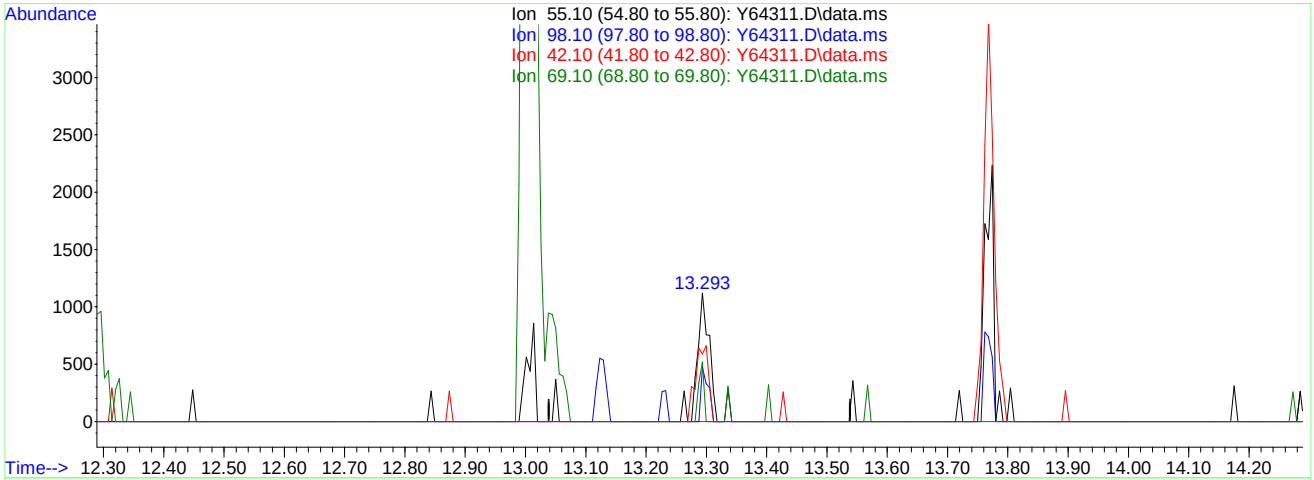
response 0

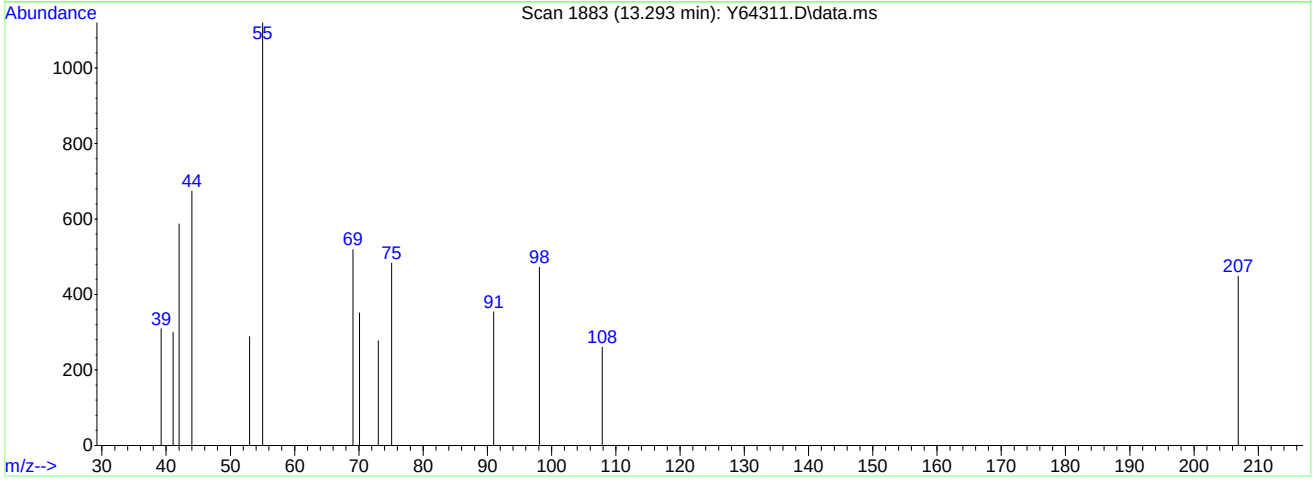
Ion	Exp%	Act%
55.10	100	0.00
98.10	46.20	0.00
42.10	72.30	0.00
69.10	28.40	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(95) Cyclohexanone

13.293min (+0.005) 2.94ug/L m

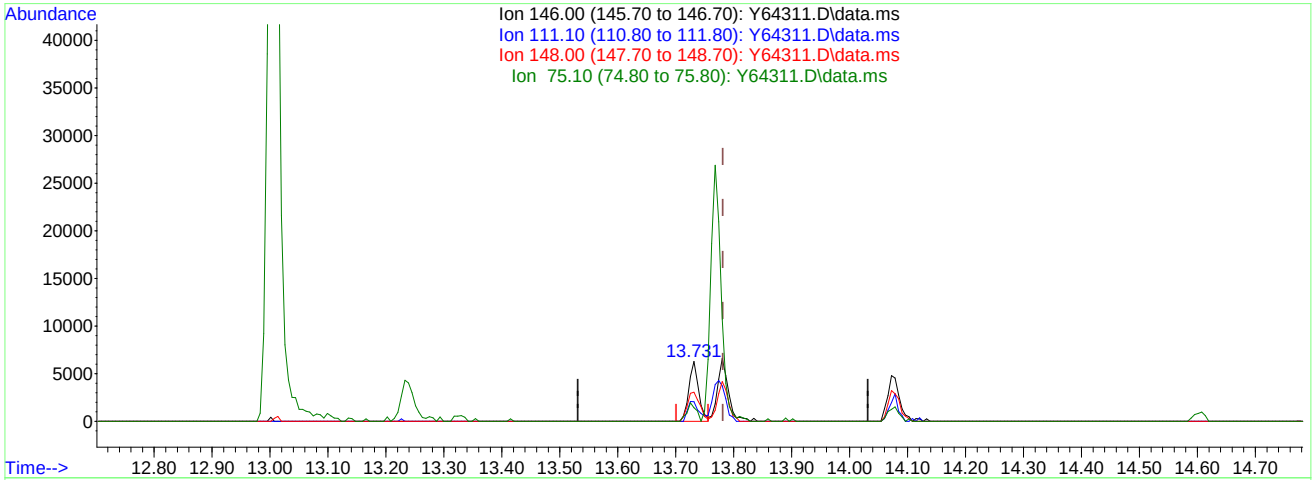
response 1441

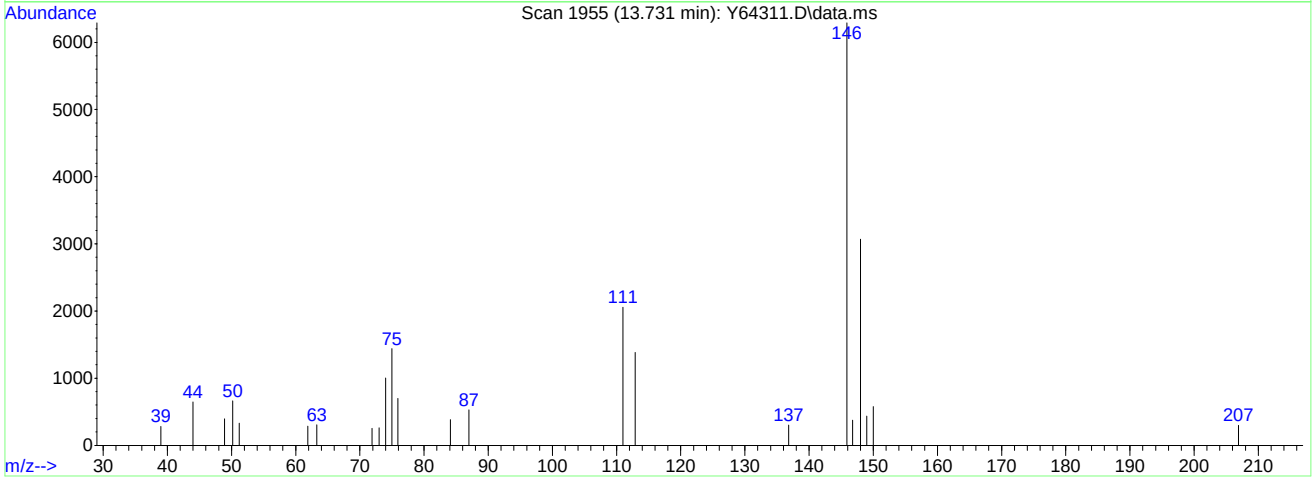
Ion	Exp%	Act%
55.10	100	100
98.10	46.20	42.14
42.10	72.30	52.41
69.10	28.40	46.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(104) 1,4-Dichlorobenzene

13.731min (-0.050) 1.03ug/L

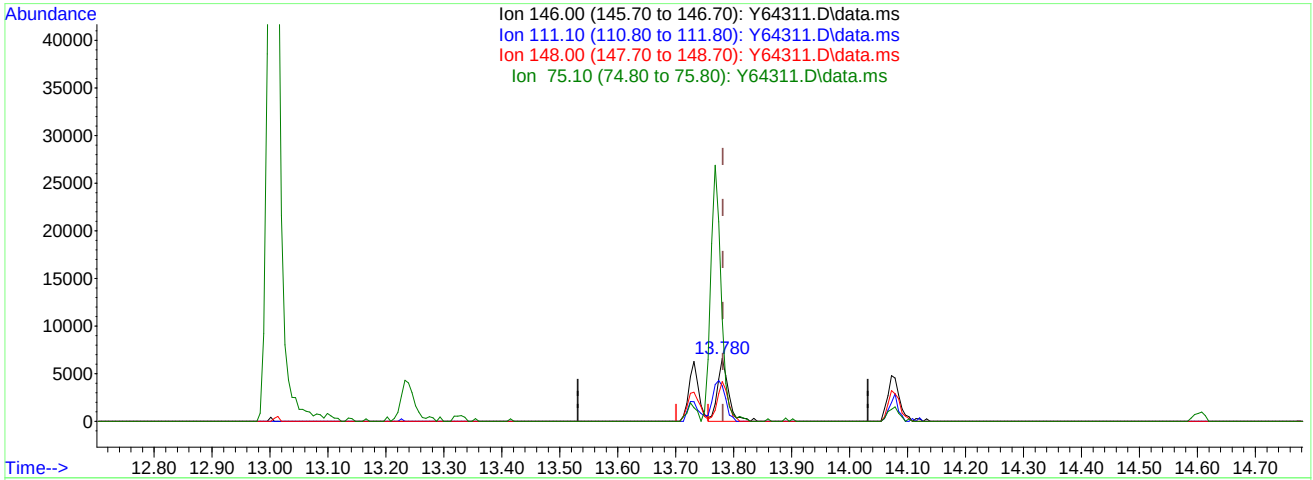
response 7419

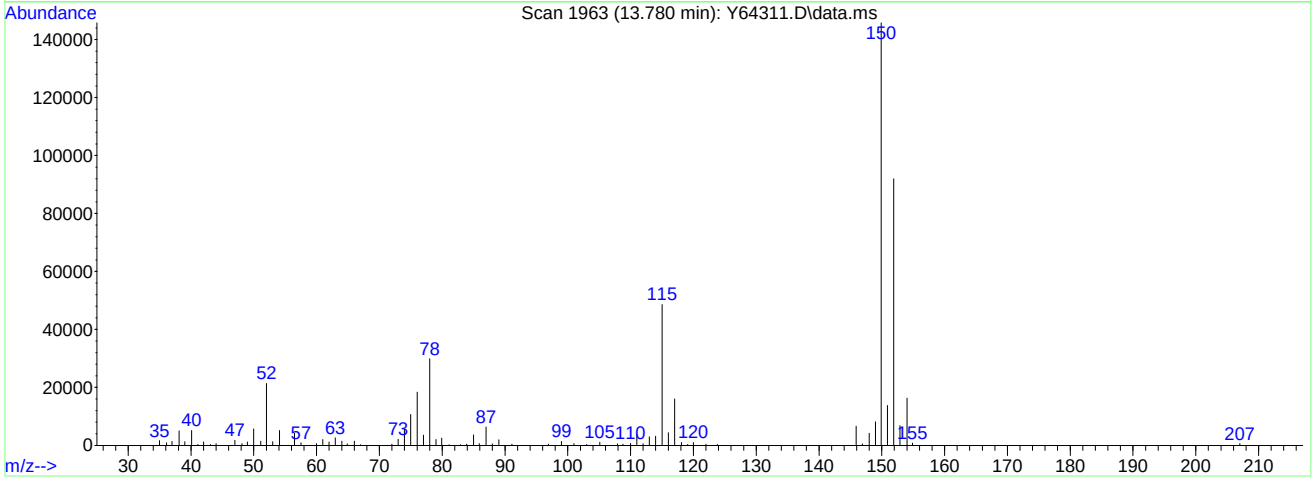
Ion	Exp%	Act%
146.00	100	100
111.10	37.80	32.68
148.00	62.10	48.76
75.10	28.90	22.87

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(104) 1,4-Dichlorobenzene

13.780min (-0.001) 1.19ug/L m

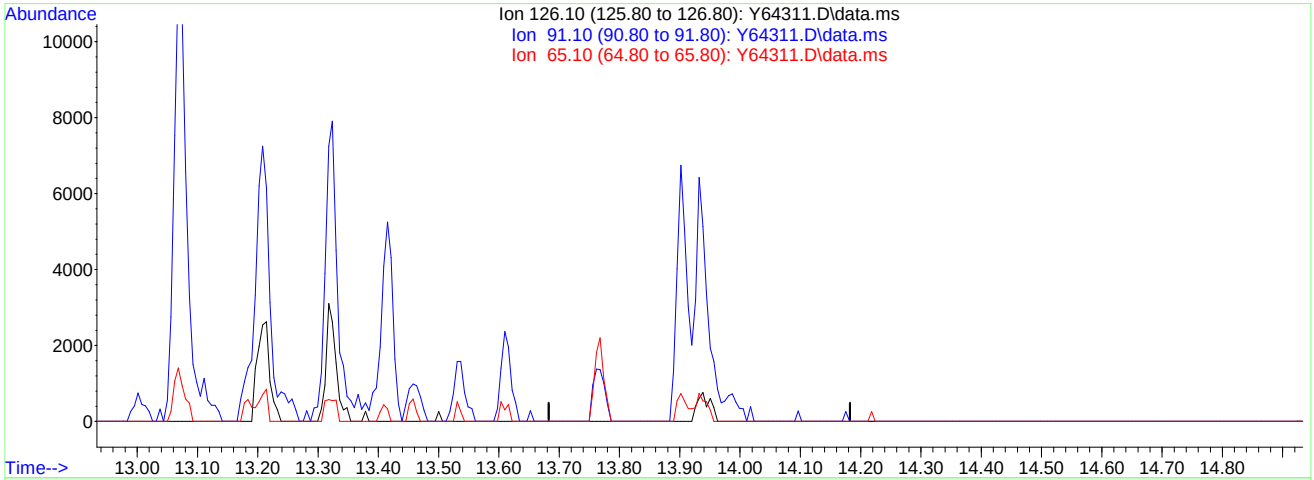
response 8556

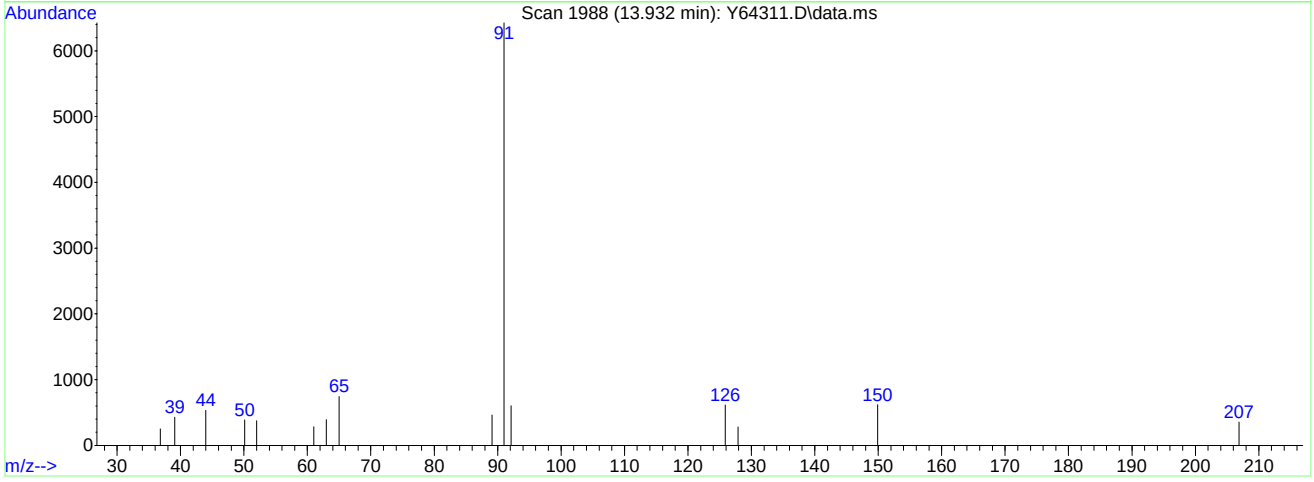
Ion	Exp%	Act%
146.00	100	100
111.10	37.80	56.58
148.00	62.10	63.26
75.10	28.90	161.78#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(106) Benzyl Chloride

13.933min (-13.933) 0.00ug/L

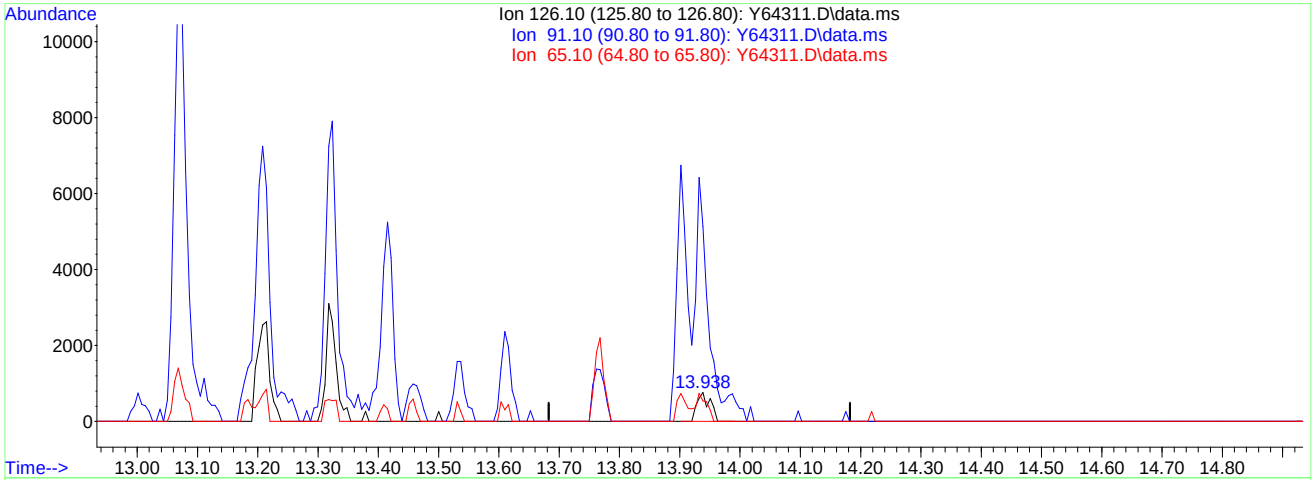
response 0

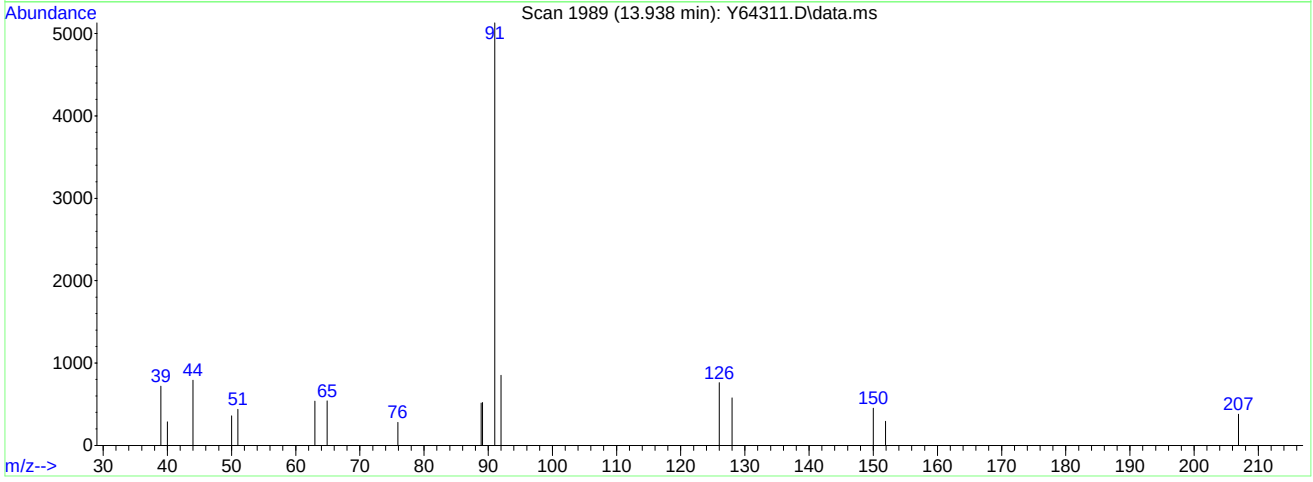
Ion	Exp%	Act%
126.10	100	0.00
91.10	447.10	0.00#
65.10	49.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(106) Benzyl Chloride

13.938min (+0.005) 0.53ug/L m

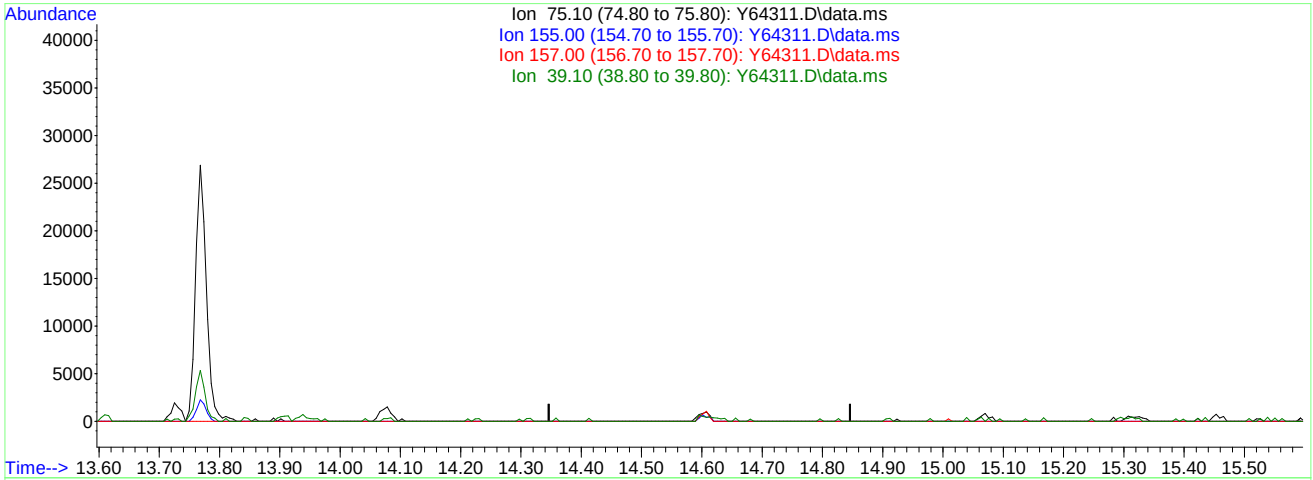
response 1145

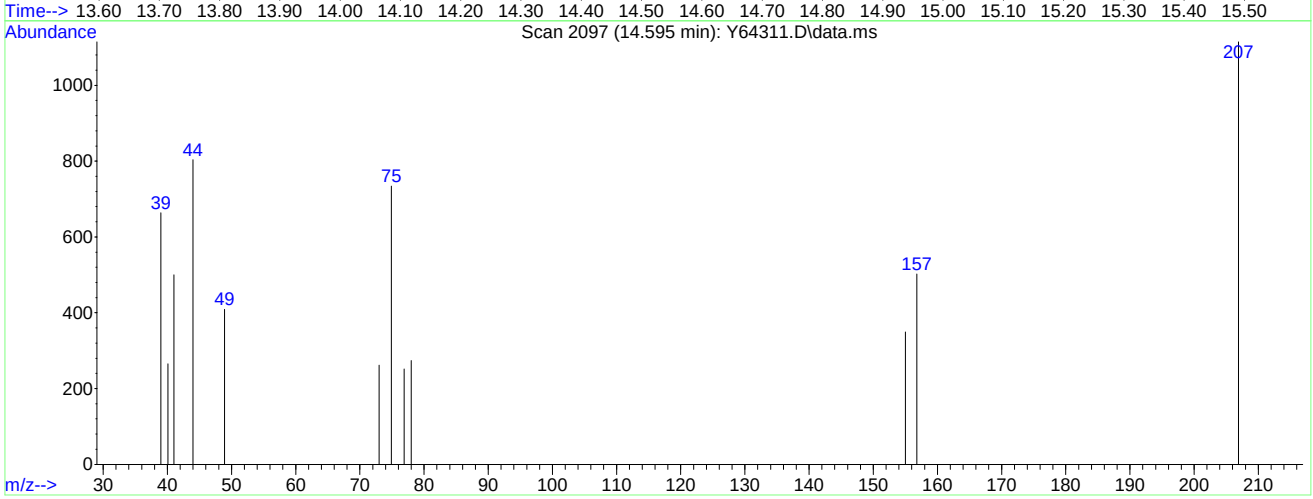
Ion	Exp%	Act%
126.10	100	100
91.10	447.10	674.24#
65.10	49.40	70.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

14.596min (-14.596) 0.00ug/L

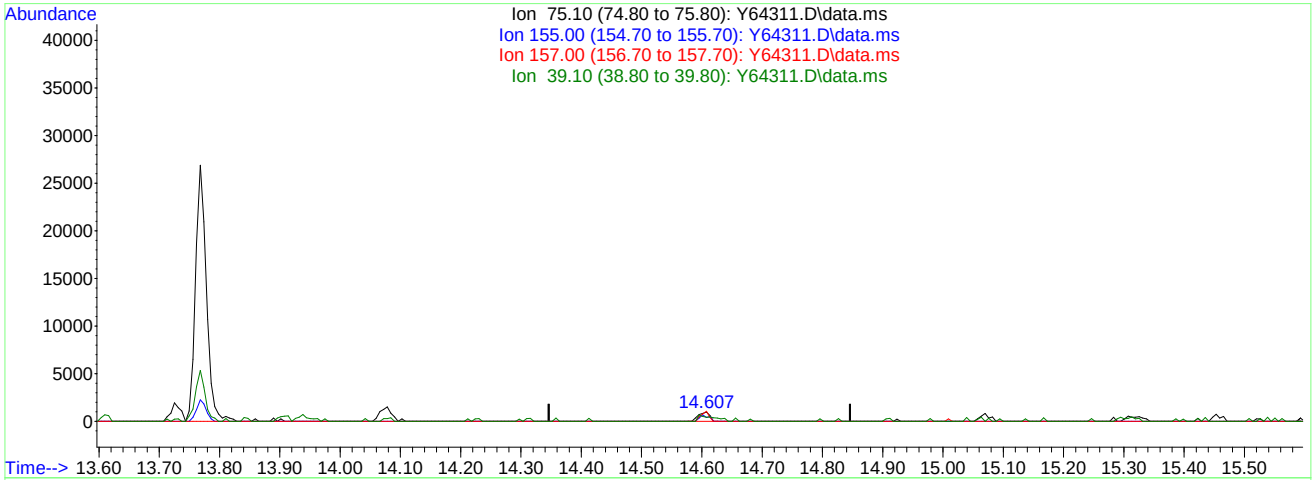
response 0

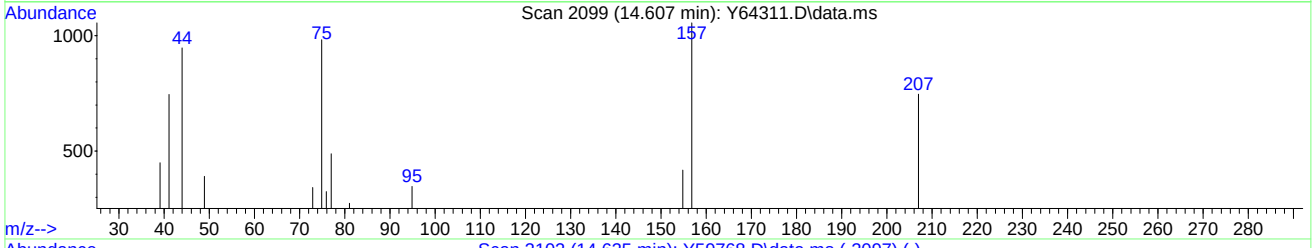
Ion	Exp%	Act%
75.10	100	0.00
155.00	84.20	0.00#
157.00	104.10	0.00#
39.10	84.70	0.00#

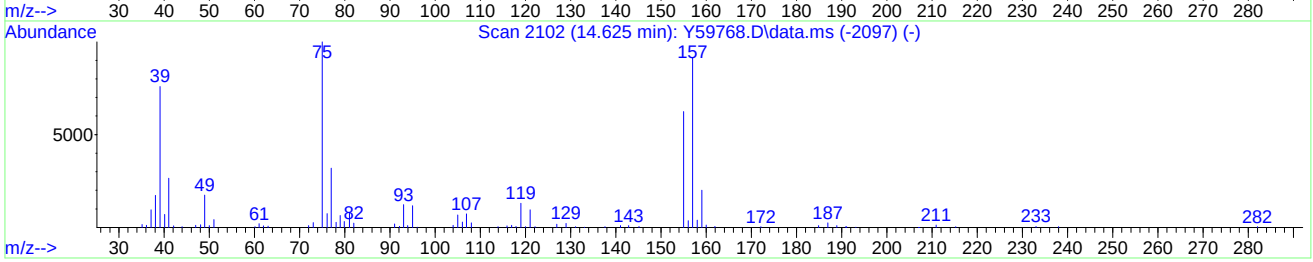
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

14.607min (+0.011) 0.94ug/L m

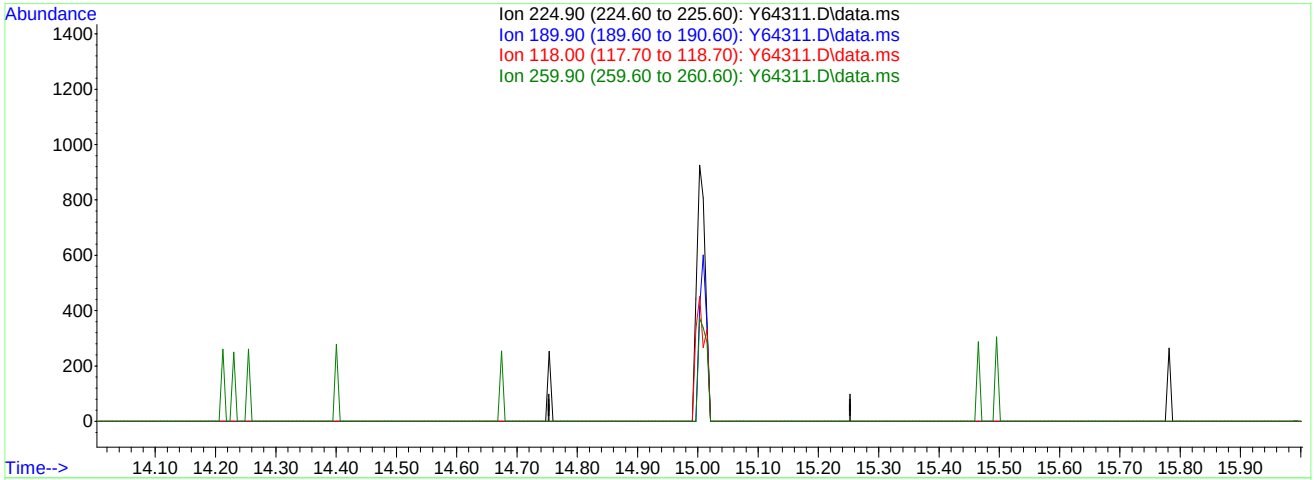
response 1282

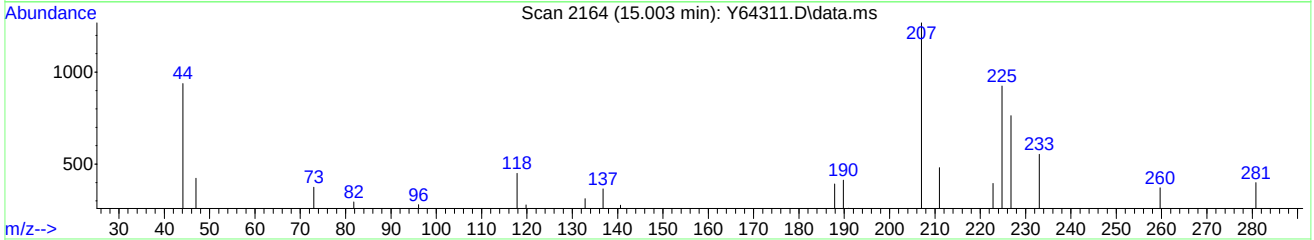
Ion	Exp%	Act%
75.10	100	100
155.00	84.20	42.57#
157.00	104.10	107.54
39.10	84.70	45.72#

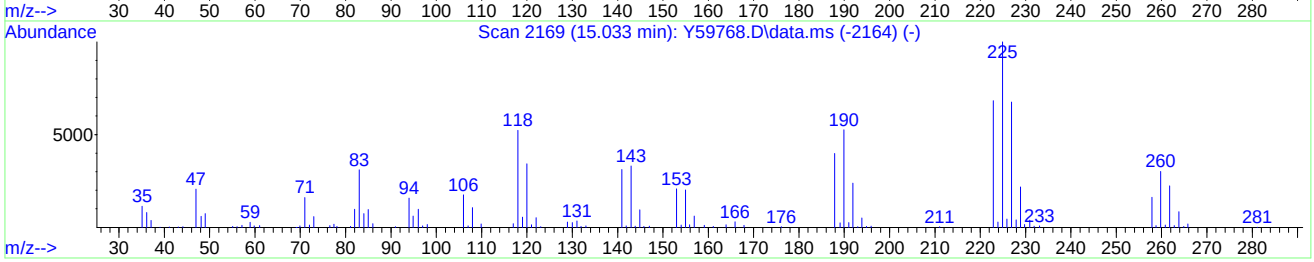
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(109) Hexachlorobutadiene ( )

15.003min (-15.003) 0.00ug/L

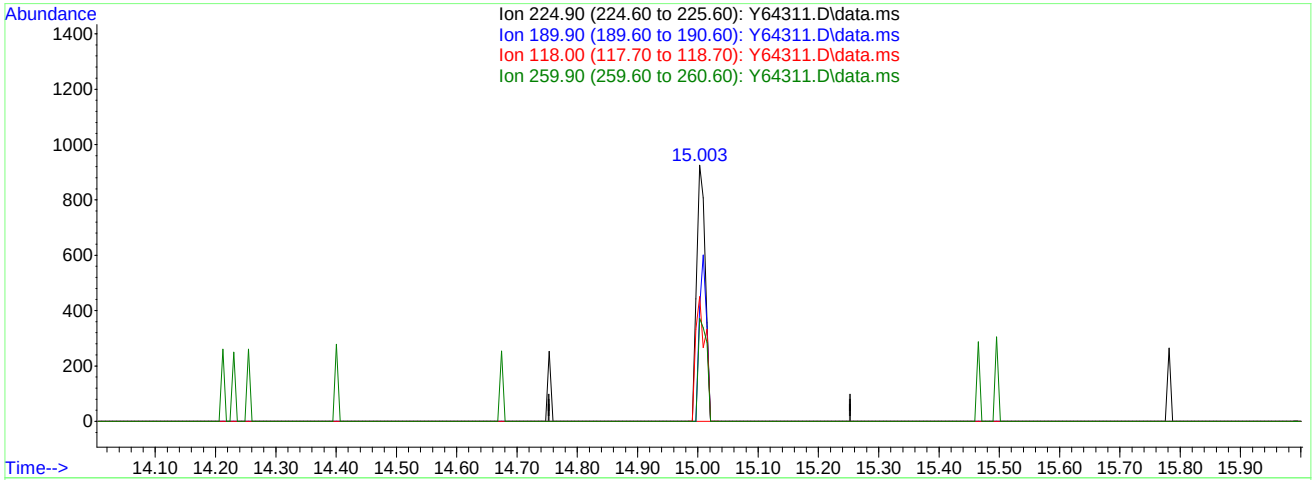
response 0

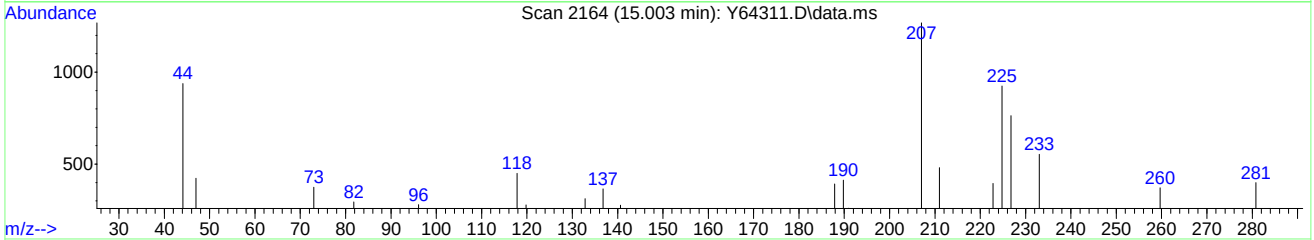
Ion	Exp%	Act%
224.90	100	0.00
189.90	48.10	0.00#
118.00	41.60	0.00#
259.90	30.70	0.00#

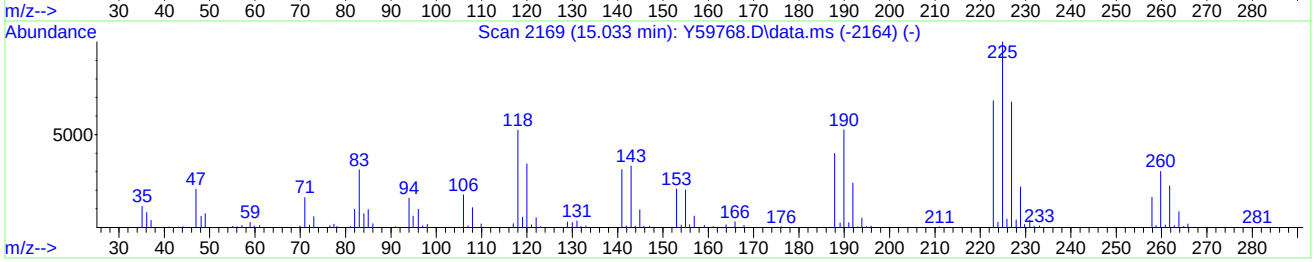
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(109) Hexachlorobutadiene ( )

15.003min (-0.000) 0.59ug/L m

response 923

Ion	Exp%	Act%
224.90	100	100
189.90	48.10	44.65
118.00	41.60	48.65
259.90	30.70	40.22

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:46:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.499	96	693582	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.151	117	561566	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.769	152	287581	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.605	113	154111	49.16	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.32%			
49) 1,2-Dichloroethane-d4	9.207	65	194474	49.94	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.88%			
63) Toluene-d8	10.935	98	704530	49.40	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.80%			
86) 4-Bromofluorobenzene	13.009	174	214453	48.69	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.38%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.844	85	20663	7.09	ug/L	96
3) Acrolein	5.581	56	21364	19.26	ug/L	94
4) Chloromethane	3.178	50	22743	5.19	ug/L	94
5) 1,3-butadiene	3.336	39	19665	5.17	ug/L	96
6) Vinyl Chloride	3.312	62	23639	5.55	ug/L	99
7) Bromomethane	3.823	94	3484	4.29	ug/L	83
8) Chloroethane	4.036	64	15294	13.15	ug/L	88
9) Trichlorofluoromethane	4.261	101	26056	5.44	ug/L	97
10) Ethyl Ether	4.748	59	18018	6.09	ug/L	95
11) Ethanol	5.009	45	4291	34.24	ug/L	89
12) 1,2-Dichlorotrifluoroe...	5.040	67	19425	6.59	ug/L	92
13) 1,1-Dichloroethene	5.052	61	24368	5.56	ug/L	94
14) Freon 113	5.113	101	17797	6.16	ug/L	88
15) Carbon Disulfide	5.107	76	44534	5.15	ug/L	93
16) Iodomethane	5.283	142	1647	1.16	ug/L	89
17) Allyl chloride	5.794	41	19772	4.10	ug/L	90
18) Methylene Chloride	5.958	49	51853	10.27	ug/L	95
19) Acetone	6.049	43	46981	20.09	ug/L	89
20) Methyl acetate	6.232	43	115706	25.51	ug/L	93
21) trans-1,2-Dichloroethene	6.226	61	24565	5.47	ug/L	91
22) Hexane	6.329	56	13106m	4.57	ug/L	
23) Methyl Tert Butyl Ether	6.378	73	56097	6.39	ug/L #	60
24) Tert Butyl Alcohol	6.524	59	53237	35.45	ug/L	96
25) Acetonitrile	6.804	41	40027	42.78	ug/L	95
26) Di-isopropyl ether	6.986	45	60479	5.51	ug/L	99
27) Chloroprene	7.193	53	4027	0.84	ug/L	91
28) 1,1-Dichloroethane	7.218	63	33341	5.82	ug/L	99
29) Acrylonitrile	7.309	53	62464	28.32	ug/L	98
30) ETBE	7.576	59	62149	5.96	ug/L	97
31) Vinyl acetate	7.607	43	232181	26.27	ug/L	97
32) cis-1,2-Dichloroethene	8.033	96	21043	5.96	ug/L	95
33) 2,2-Dichloropropane	8.167	77	27424	5.98	ug/L	98
34) Bromochloromethane	8.294	128	9942	6.19	ug/L	91
35) Cyclohexane	8.294	56	36296	5.56	ug/L	94
36) Chloroform	8.379	83	31852	6.22	ug/L	96
37) Ethyl acetate	8.519	43	196754	29.70	ug/L	98
38) Tetrahydrofuran	8.592	42	15245	5.54	ug/L	98
40) Carbon Tetrachloride	8.562	117	22828	5.87	ug/L	87
41) 1,1,1-Trichloroethane	8.635	97	29777	6.41	ug/L	98
42) 2-Butanone	8.751	43	83105	21.90	ug/L	98
43) 1,1-Dichloropropene	8.787	75	27386	6.32	ug/L	90
44) tert-Butyl formate	8.903	59	74449	26.66	ug/L	93
45) Propionitrile	9.085	54	51674	42.13	ug/L	97
46) Methacrylonitrile	9.103	41	179050	45.03	ug/L	97
47) Benzene	9.061	78	85913	6.31	ug/L	93
48) TAME	9.170	73	60882	6.90	ug/L	89
50) Isobutyl Alcohol	9.274	42	23946	71.66	ug/L	94
51) 1,2-Dichloroethane	9.286	62	27803	6.13	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:46:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

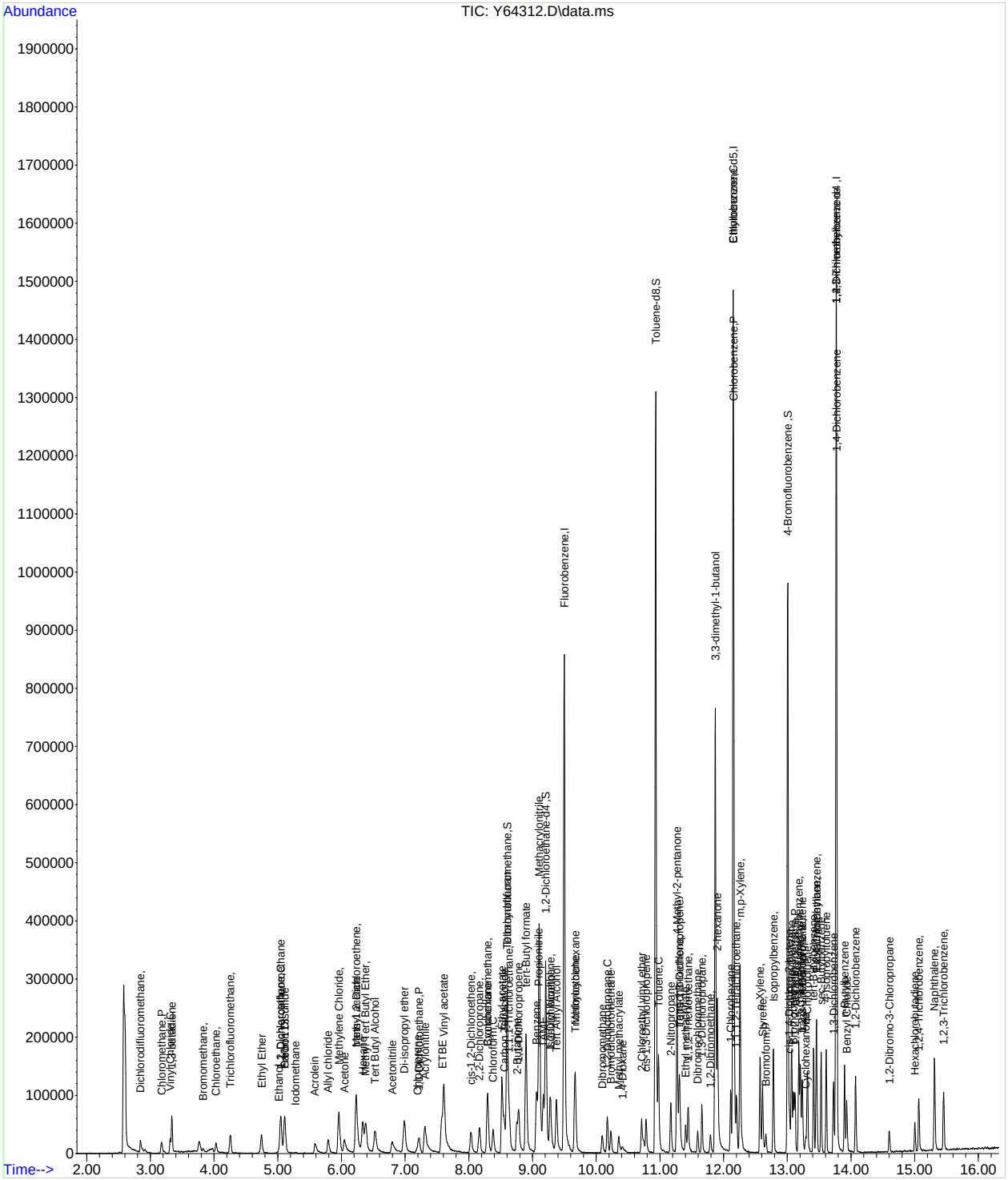
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	9.371	59	48056m	53.26	ug/L		
53) Trichloroethene	9.681	95	20757	6.22	ug/L		93
54) Methylcyclohexane	9.663	83	36399	6.01	ug/L		96
55) Dibromomethane	10.089	93	11822	6.08	ug/L		92
56) 1,2-Dichloropropane	10.180	63	21295	5.96	ug/L		82
57) Bromodichloromethane	10.229	83	22089	5.92	ug/L		95
58) Methyl methacrylate	10.357	41	16446	3.77	ug/L		93
59) 1,4-Dioxane	10.411	88	6563	61.45	ug/L		80
60) 2-Chloroethyl vinyl ether	10.716	63	24913	43.40	ug/L		94
61) cis-1,3-Dichloropropene	10.782	75	27395	5.51	ug/L		90
64) Toluene	10.977	91	95247	6.08	ug/L		98
65) 2-Nitropropane	11.172	41	42985	21.91	ug/L		95
66) 4-Methyl-2-pentanone	11.269	43	166579	21.83	ug/L		98
67) trans-1,3-Dichloropropene	11.312	75	24449	5.30	ug/L		80
68) Tetrachloroethene	11.306	166	22999	5.82	ug/L		96
69) Ethyl methacrylate	11.403	69	24101	4.52	ug/L		88
70) 1,1,2-Trichloroethane	11.446	83	16589	6.38	ug/L		94
71) Dibromochloromethane	11.592	129	16567	4.98	ug/L		96
72) 1,3-Dichloropropane	11.658	76	36728	6.39	ug/L		92
73) 1,2-Dibromoethane	11.792	107	20730	6.07	ug/L		96
74) 3,3-dimethyl-1-butanol	11.871	57	301302	191.11	ug/L		93
75) 2-hexanone	11.902	43	130711	22.72	ug/L		99
76) 1-Chlorohexane	12.115	91	27082	5.27	ug/L		84
77) Ethylbenzene	12.157	91	101304	5.54	ug/L		99
78) Chlorobenzene	12.163	112	57100	5.64	ug/L		98
79) 1,1,1,2-Tetrachloroethane	12.206	131	17197	4.92	ug/L		95
80) m,p-Xylene	12.261	91	149941	10.72	ug/L		94
81) o-Xylene	12.571	91	73469	5.36	ug/L		97
82) Styrene	12.614	104	50445	4.81	ug/L		92
83) Bromoform	12.662	173	9808	4.18	ug/L		97
84) Isopropylbenzene	12.784	105	94633	5.57	ug/L		97
87) cis-1,4-Dichloro-2-butene	13.033	53	7733	3.73	ug/L		91
88) n-Propylbenzene	13.070	91	110485	5.37	ug/L		98
89) Bromobenzene	13.100	156	22513	5.71	ug/L		87
90) 1,1,2,2-Tetrachloroethane	13.118	83	32101	5.88	ug/L		98
91) 1,3,5-Trimethylbenzene	13.179	105	73954	5.20	ug/L		96
92) 2-Chlorotoluene	13.204	91	72656	5.37	ug/L		97
93) trans-1,4-Dichloro-2-B...	13.240	53	7851	4.18	ug/L	#	62
94) 1,2,3-Trichloropropane	13.234	110	12002	6.49	ug/L		93
95) Cyclohexanone	13.289	55	9490	17.69	ug/L		88
96) 4-Chlorotoluene	13.313	91	64710	5.40	ug/L		97
97) tert-Butylbenzene	13.410	91	41792	5.25	ug/L		99
98) 1,2,4-Trimethylbenzene	13.453	105	73260	5.22	ug/L		97
99) Pentachloroethane	13.465	167	9812	4.38	ug/L		98
100) sec-Butylbenzene	13.532	105	91412	5.28	ug/L		95
101) 4-Isopropyltoluene	13.611	119	73069	4.84	ug/L		99
102) 1,3-Dichlorobenzene	13.727	146	39872	5.33	ug/L		95
103) 1,2,3-Trimethylbenzene	13.763	105	78079	5.62	ug/L		94
104) 1,4-Dichlorobenzene	13.782	146	42306	5.37	ug/L		88
105) n-Butylbenzene	13.897	92	33364	4.47	ug/L		92
106) Benzyl Chloride	13.934	126	9898	4.14	ug/L	#	54
107) 1,2-Dichlorobenzene	14.074	146	40722	5.59	ug/L		96
108) 1,2-Dibromo-3-Chloropr...	14.603	75	6283	4.20	ug/L	#	76
109) Hexachlorobutadiene	15.004	225	6772	3.94	ug/L		94
110) 1,2,4-Trichlorobenzene	15.065	180	25322	5.26	ug/L		97
111) Naphthalene	15.309	128	109740	5.32	ug/L		100
112) 1,2,3-Trichlorobenzene	15.455	180	24517	5.16	ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:46:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

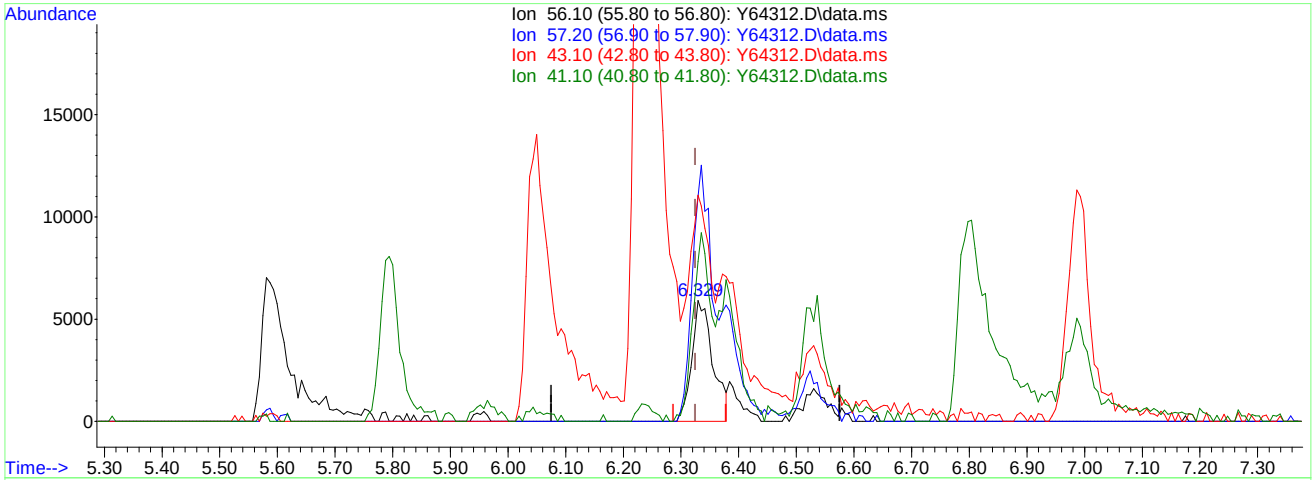
Sample Number: VY2666-IC2666
Lab FileID: Y64312.D
Injection Time: 08/29/22 13:29
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

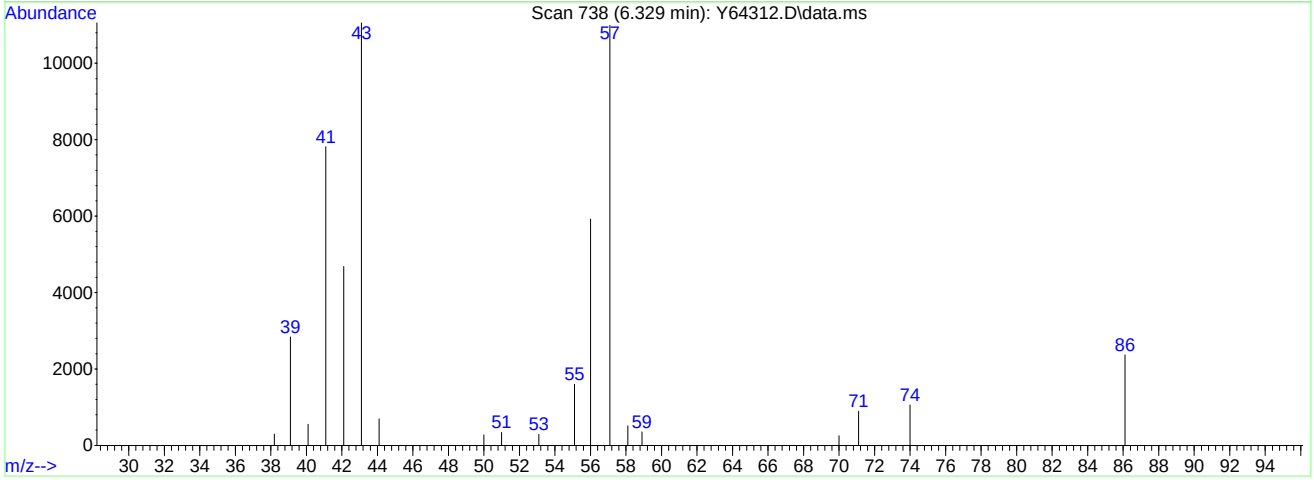
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.37	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:33:47 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64312.D\data.ms

(22) Hexane

6.329min (+0.004) 5.24ug/L

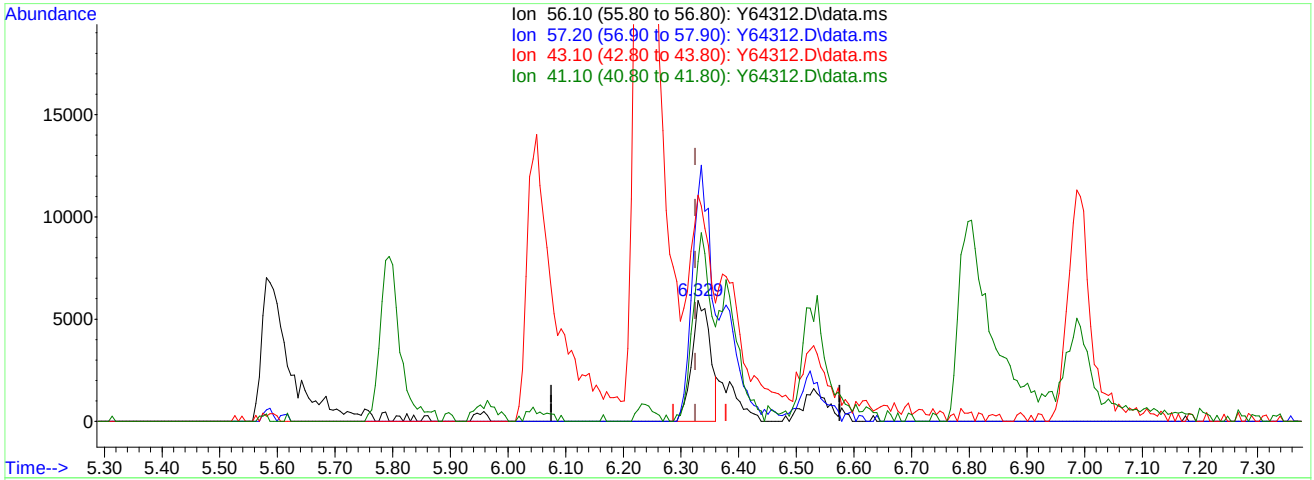
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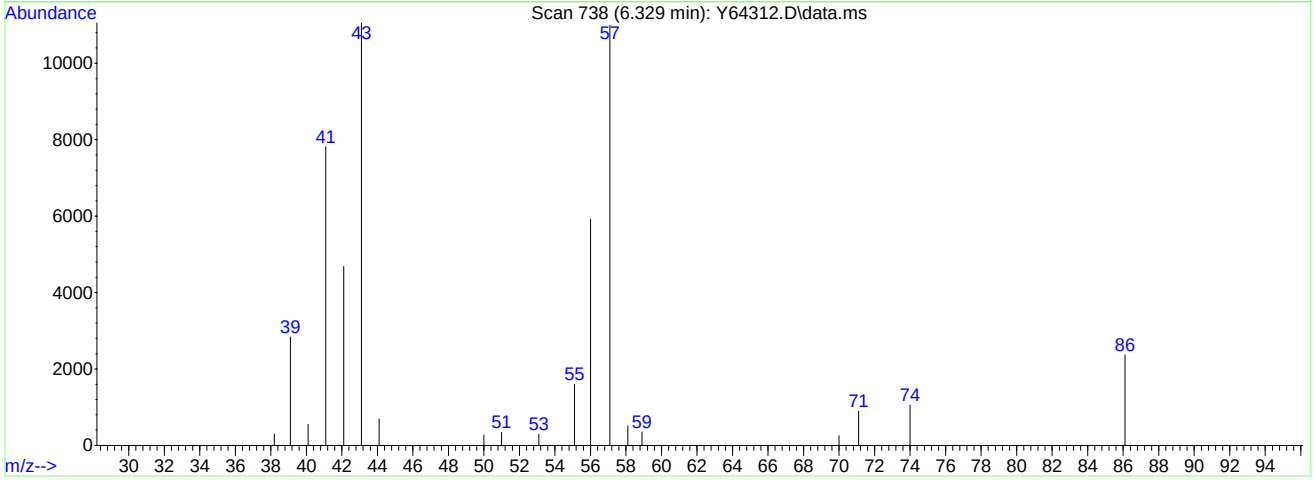
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	185.74
43.10	76.70	67.22
41.10	144.30	132.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:33:47 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64312.D\data.ms

(22) Hexane

6.329min (+0.004) 4.57ug/L m

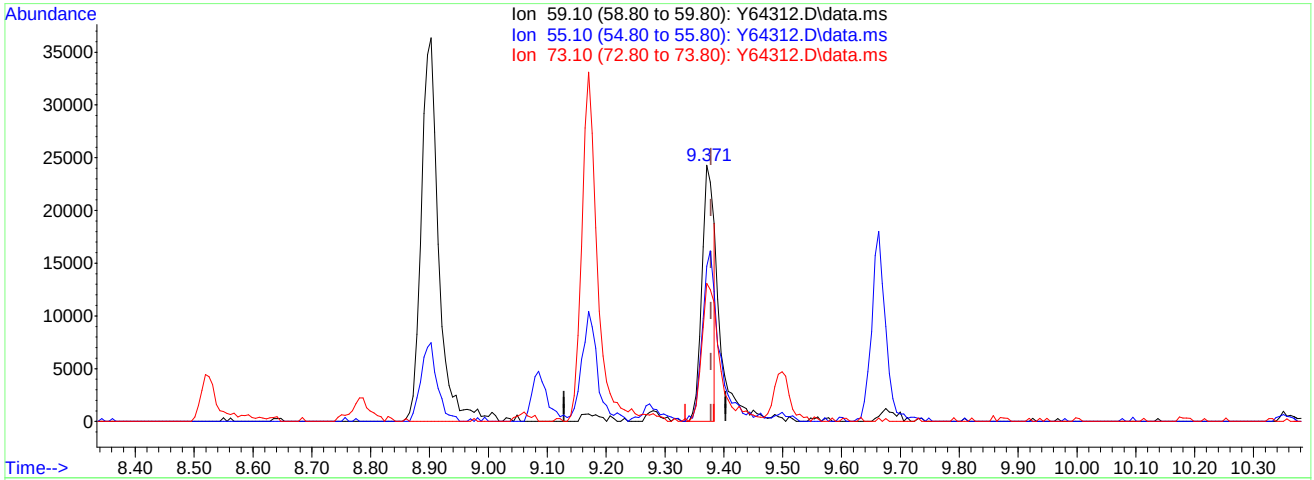
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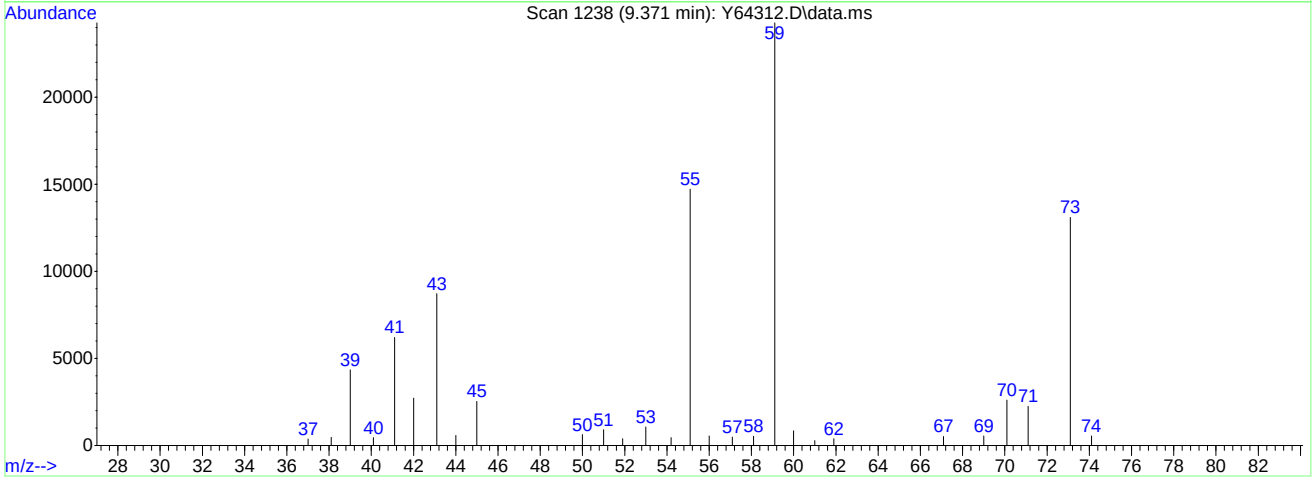
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	185.74
43.10	76.70	186.86#
41.10	144.30	132.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:33:47 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64312.D\data.ms

(52) Tert Amyl Alcohol

9.371min (-0.007) 38.13ug/L

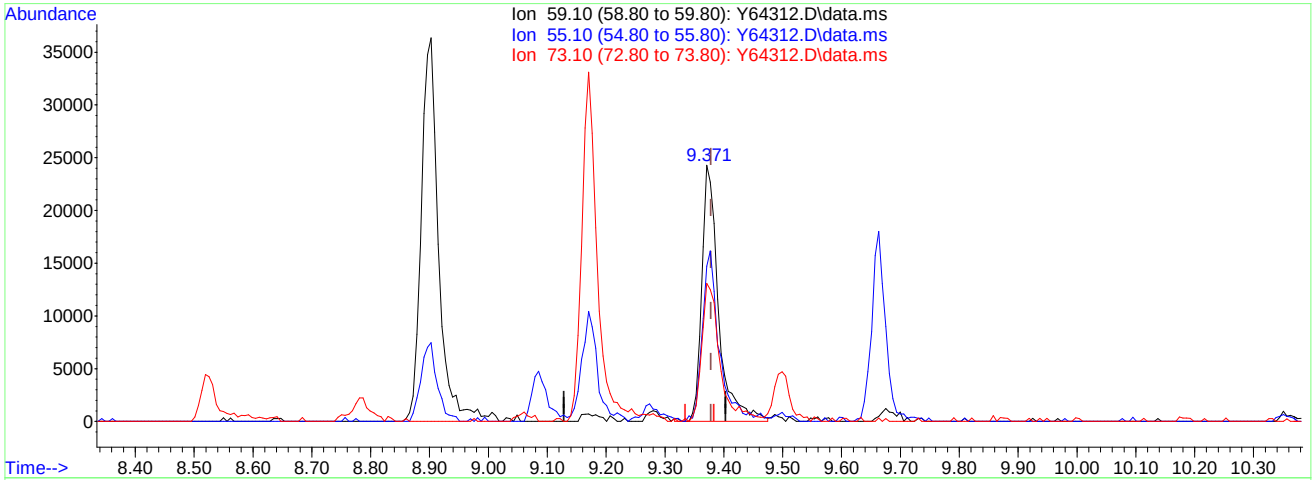
response 34173

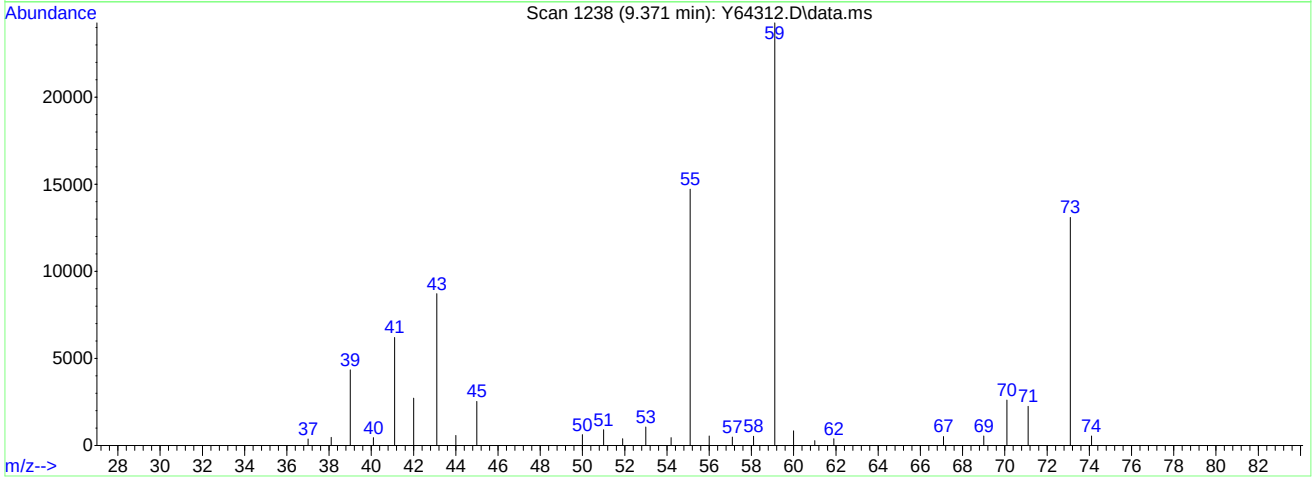
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	60.61
73.10	53.50	52.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:33:47 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64312.D\data.ms

(52) Tert Amyl Alcohol

9.371min (-0.007) 53.26ug/L m

response 48056

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	60.61
73.10	53.50	53.96
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:47:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	9.497	96	712717	50.00	ug/L		0.00
62) Chlorobenzene-d5	12.149	117	588987	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	298427	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.603	113	159459	49.50	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.00%				
49) 1,2-Dichloroethane-d4	9.205	65	202171	50.53	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.06%				
63) Toluene-d8	10.933	98	730326	48.83	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.66%				
86) 4-Bromofluorobenzene	13.007	174	226587	49.58	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.16%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.848	85	42158	14.01	ug/L		97
3) Acrolein	5.585	56	41396	36.32	ug/L		94
4) Chloromethane	3.170	50	47643	10.57	ug/L		89
5) 1,3-butadiene	3.341	39	39591	10.21	ug/L		99
6) Vinyl Chloride	3.310	62	51850	11.84	ug/L		100
7) Bromomethane	3.827	94	8373	9.91	ug/L		93
8) Chloroethane	4.034	64	33049	27.65	ug/L		93
9) Trichlorofluoromethane	4.253	101	54066	10.98	ug/L		94
10) Ethyl Ether	4.746	59	32035	10.55	ug/L		97
11) Ethanol	4.995	45	12669	97.89	ug/L		94
12) 1,2-Dichlorotrifluoroe...	5.038	67	34808	11.49	ug/L		93
13) 1,1-Dichloroethene	5.056	61	46884	10.42	ug/L		93
14) Freon 113	5.111	101	32039	10.79	ug/L		92
15) Carbon Disulfide	5.105	76	87090	9.80	ug/L		94
16) Iodomethane	5.275	142	4706	3.23	ug/L		89
17) Allyl chloride	5.786	41	40838	8.23	ug/L		90
18) Methylene Chloride	5.956	49	69504	13.40	ug/L		92
19) Acetone	6.042	43	106224	44.20	ug/L		86
20) Methyl acetate	6.230	43	228325	48.67	ug/L		95
21) trans-1,2-Dichloroethene	6.224	61	50940	11.03	ug/L		97
22) Hexane	6.334	56	25075m	8.55	ug/L		
23) Methyl Tert Butyl Ether	6.376	73	107465	11.90	ug/L		70
24) Tert Butyl Alcohol	6.522	59	107445	69.63	ug/L		99
25) Acetonitrile	6.784	41	82076	84.77	ug/L		96
26) Di-isopropyl ether	6.985	45	115318	10.22	ug/L		97
27) Chloroprene	7.179	53	7289	1.48	ug/L		85
28) 1,1-Dichloroethane	7.216	63	61562	10.45	ug/L		97
29) Acrylonitrile	7.307	53	114141	49.92	ug/L		97
30) ETBE	7.575	59	113912	10.63	ug/L		94
31) Vinyl acetate	7.605	43	435629	47.62	ug/L		97
32) cis-1,2-Dichloroethene	8.031	96	39273	10.84	ug/L		95
33) 2,2-Dichloropropane	8.171	77	51163	10.86	ug/L		96
34) Bromochloromethane	8.299	128	18264	11.09	ug/L	#	78
35) Cyclohexane	8.293	56	65330	9.75	ug/L		97
36) Chloroform	8.384	83	64298	12.21	ug/L		94
37) Ethyl acetate	8.518	43	331919	48.76	ug/L		98
38) Tetrahydrofuran	8.591	42	25414	8.99	ug/L		98
40) Carbon Tetrachloride	8.554	117	40628	10.17	ug/L		86
41) 1,1,1-Trichloroethane	8.633	97	55062	11.54	ug/L		98
42) 2-Butanone	8.749	43	185173	47.49	ug/L		94
43) 1,1-Dichloropropene	8.779	75	48500	10.87	ug/L		91
44) tert-Butyl formate	8.895	59	129903	45.26	ug/L		93
45) Propionitrile	9.083	54	110900	87.99	ug/L		94
46) Methacrylonitrile	9.102	41	356840	87.33	ug/L		98
47) Benzene	9.059	78	165330	11.82	ug/L		93
48) TAME	9.169	73	112620	12.36	ug/L		94
50) Isobutyl Alcohol	9.272	42	52555	150.65	ug/L		96
51) 1,2-Dichloroethane	9.284	62	51618	11.07	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:47:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

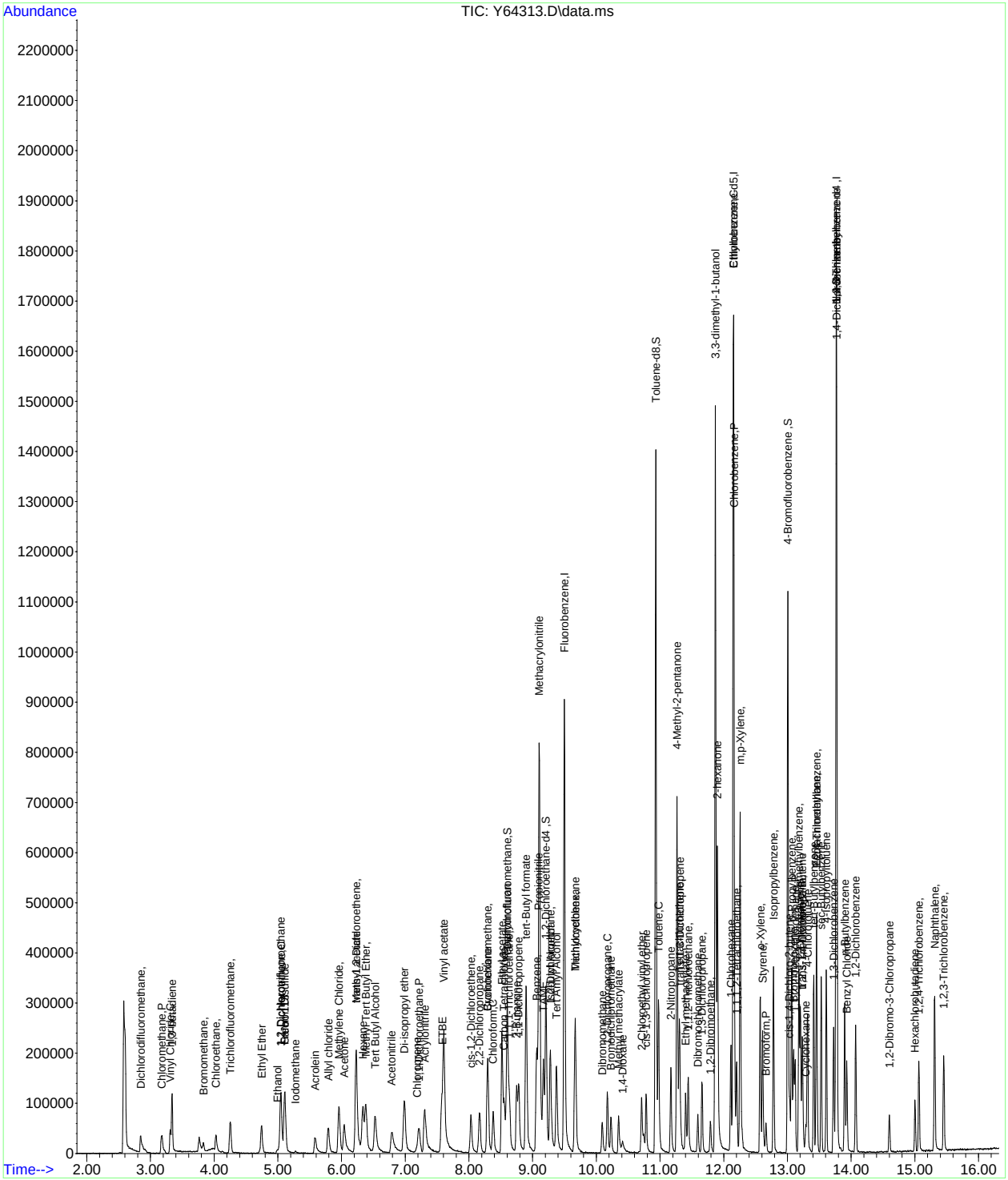
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
52) Tert Amyl Alcohol	9.375	59	90666m	96.03 ug/L	
53) Trichloroethene	9.673	95	40706	11.86 ug/L	91
54) Methylcyclohexane	9.661	83	66857	10.73 ug/L	89
55) Dibromomethane	10.093	93	23204	11.60 ug/L	94
56) 1,2-Dichloropropane	10.172	63	38724	10.54 ug/L	96
57) Bromodichloromethane	10.227	83	40368	10.49 ug/L	91
58) Methyl methacrylate	10.349	41	38109	8.42 ug/L	91
59) 1,4-Dioxane	10.416	88	15640	142.52 ug/L	86
60) 2-Chloroethyl vinyl ether	10.708	63	45155	75.08 ug/L	95
61) cis-1,3-Dichloropropene	10.781	75	52342	10.20 ug/L	89
64) Toluene	10.975	91	175737	10.70 ug/L	98
65) 2-Nitropropane	11.170	41	79658	38.47 ug/L	99
66) 4-Methyl-2-pentanone	11.267	43	370863	46.33 ug/L	98
67) trans-1,3-Dichloropropene	11.316	75	48219	9.92 ug/L	88
68) Tetrachloroethene	11.304	166	43324	10.45 ug/L	94
69) Ethyl methacrylate	11.401	69	50220	8.90 ug/L	90
70) 1,1,2-Trichloroethane	11.438	83	30971	11.36 ug/L	86
71) Dibromochloromethane	11.596	129	31619	9.05 ug/L	95
72) 1,3-Dichloropropane	11.657	76	66841	11.08 ug/L	91
73) 1,2-Dibromoethane	11.791	107	37718	10.52 ug/L	93
74) 3,3-dimethyl-1-butanol	11.870	57	562258	338.71 ug/L	97
75) 2-hexanone	11.900	43	295265	47.42 ug/L	97
76) 1-Chlorohexane	12.113	91	52260	9.67 ug/L	92
77) Ethylbenzene	12.156	91	194644	10.16 ug/L	99
78) Chlorobenzene	12.168	112	108818	10.25 ug/L	91
79) 1,1,1,2-Tetrachloroethane	12.204	131	34394	9.37 ug/L	96
80) m,p-Xylene	12.259	91	296319	20.20 ug/L	94
81) o-Xylene	12.569	91	146000	10.16 ug/L	98
82) Styrene	12.612	104	101686	9.19 ug/L	96
83) Bromoform	12.667	173	20342	8.22 ug/L	97
84) Isopropylbenzene	12.782	105	183052	10.27 ug/L	99
87) cis-1,4-Dichloro-2-butene	13.032	53	15720	7.32 ug/L	97
88) n-Propylbenzene	13.068	91	215936	10.11 ug/L	100
89) Bromobenzene	13.098	156	43120	10.54 ug/L	87
90) 1,1,2,2-Tetrachloroethane	13.123	83	61094	10.78 ug/L	96
91) 1,3,5-Trimethylbenzene	13.178	105	152478	10.32 ug/L	99
92) 2-Chlorotoluene	13.202	91	141842	10.10 ug/L	98
93) trans-1,4-Dichloro-2-B...	13.238	53	15009	7.66 ug/L #	35
94) 1,2,3-Trichloropropane	13.232	110	21202	11.05 ug/L	90
95) Cyclohexanone	13.287	55	17169	30.83 ug/L	93
96) 4-Chlorotoluene	13.317	91	128004	10.29 ug/L	97
97) tert-Butylbenzene	13.415	91	82314	9.96 ug/L	96
98) 1,2,4-Trimethylbenzene	13.457	105	142644	9.80 ug/L	96
99) Pentachloroethane	13.463	167	21079	9.07 ug/L	91
100) sec-Butylbenzene	13.530	105	179603	9.99 ug/L	98
101) 4-Isopropyltoluene	13.609	119	150524	9.60 ug/L	99
102) 1,3-Dichlorobenzene	13.725	146	77853	10.03 ug/L	98
103) 1,2,3-Trimethylbenzene	13.762	105	146400	10.15 ug/L	95
104) 1,4-Dichlorobenzene	13.780	146	81336	9.94 ug/L	92
105) n-Butylbenzene	13.902	92	68642	8.79 ug/L	97
106) Benzyl Chloride	13.932	126	20874	8.33 ug/L #	84
107) 1,2-Dichlorobenzene	14.072	146	75689	10.01 ug/L	96
108) 1,2-Dibromo-3-Chloropr...	14.601	75	12974	8.36 ug/L	92
109) Hexachlorobutadiene	15.003	225	13265	7.41 ug/L	93
110) 1,2,4-Trichlorobenzene	15.063	180	45853	9.18 ug/L	93
111) Naphthalene	15.313	128	210950	9.85 ug/L	100
112) 1,2,3-Trichlorobenzene	15.453	180	47647	9.67 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:47:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

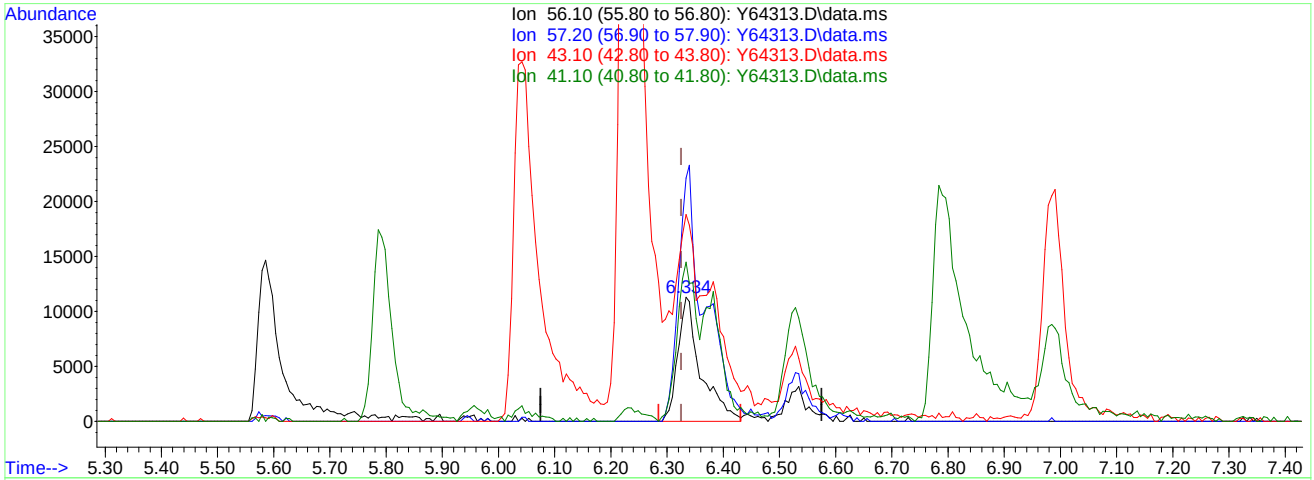
Sample Number: VY2666-IC2666
Lab FileID: Y64313.D
Injection Time: 08/29/22 13:54
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

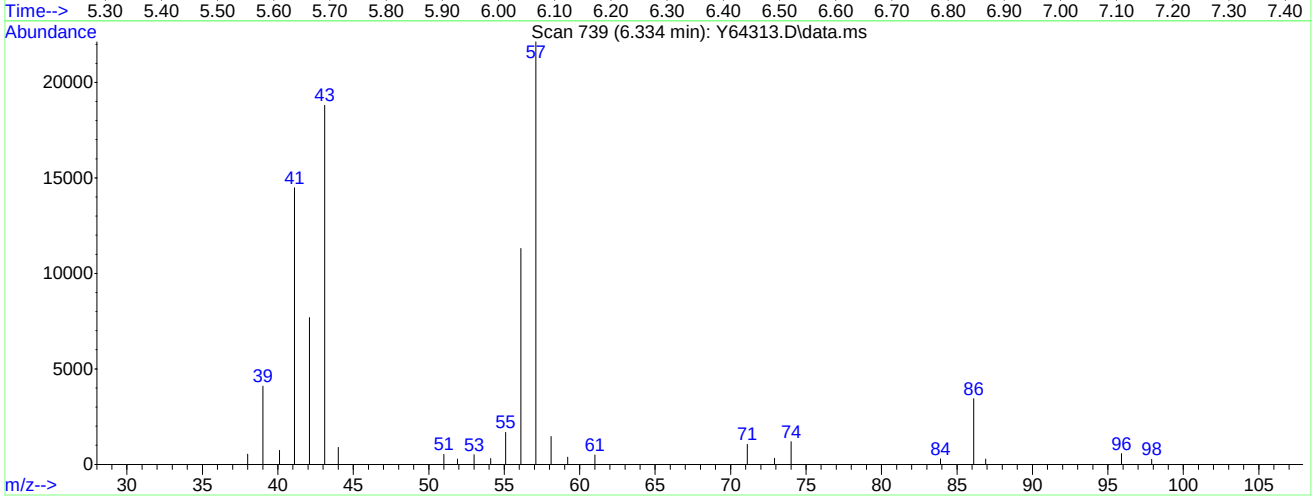
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:33:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64313.D\data.ms

(22) Hexane

6.334min (+0.009) 10.96ug/L

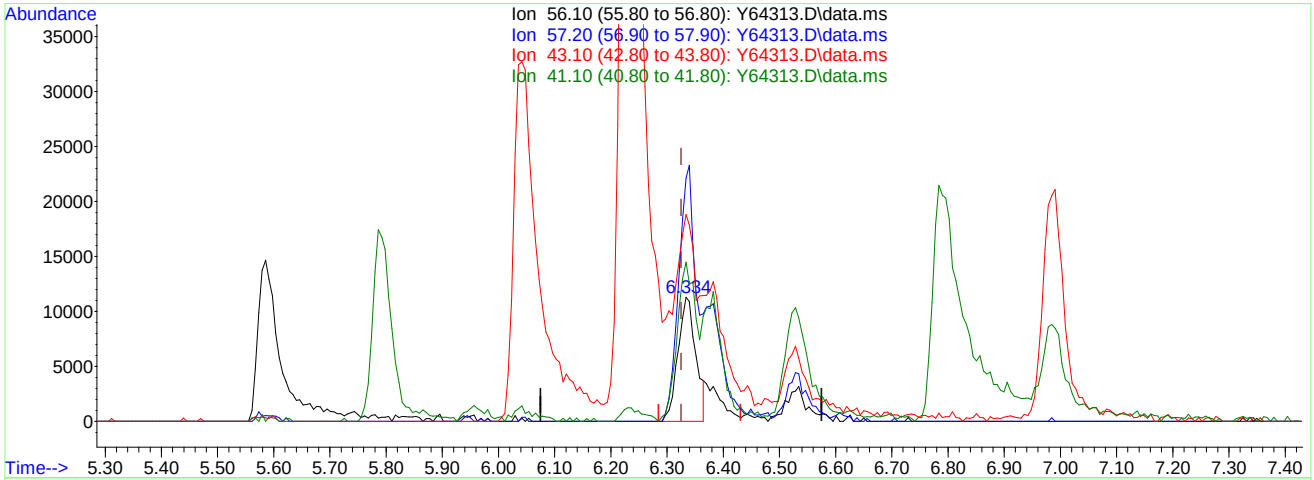
response 32024

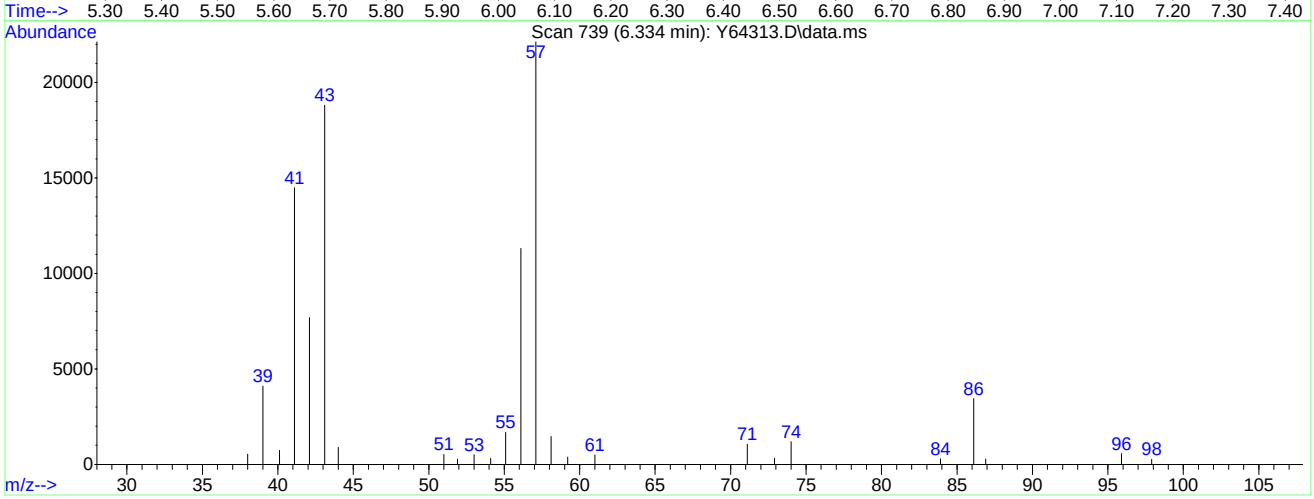
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	195.75
43.10	76.70	142.29#
41.10	144.30	128.13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:33:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64313.D\data.ms

(22) Hexane

6.334min (+0.009) 8.55ug/L m

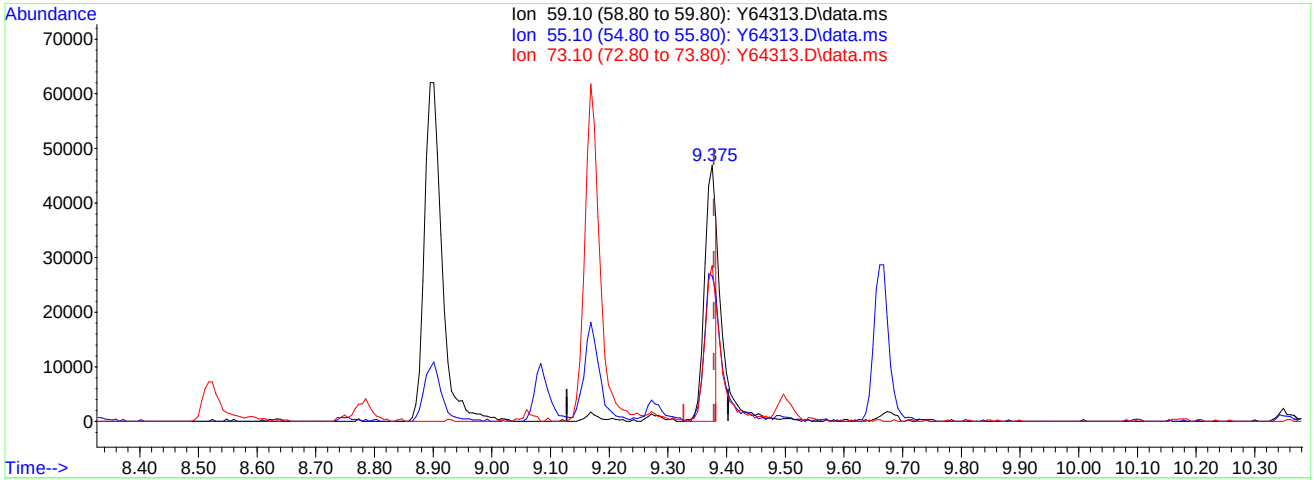
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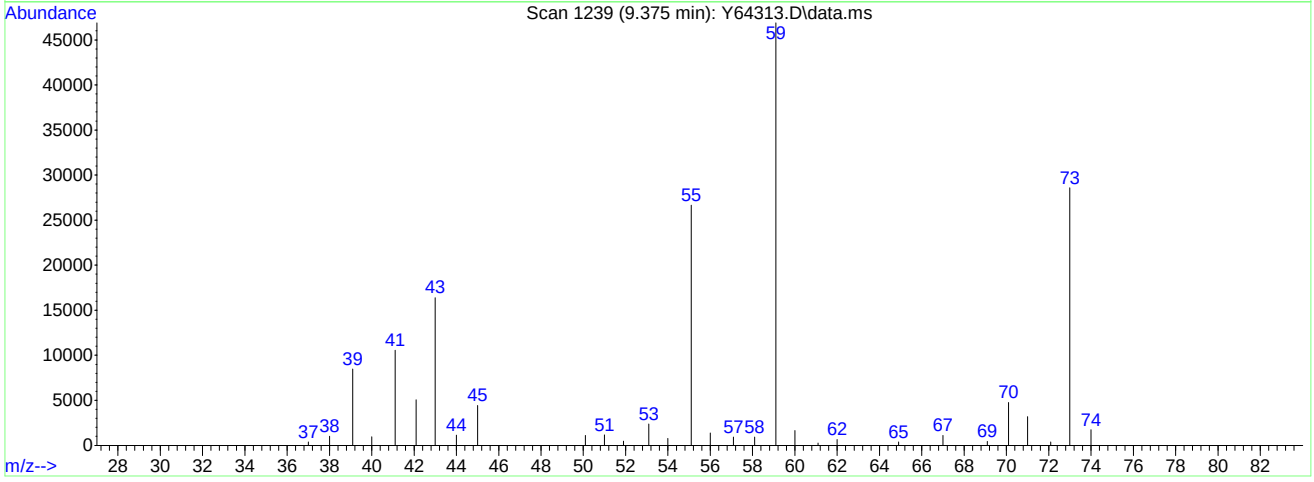
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	195.75
43.10	76.70	166.38#
41.10	144.30	128.13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:33:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64313.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 68.19ug/L

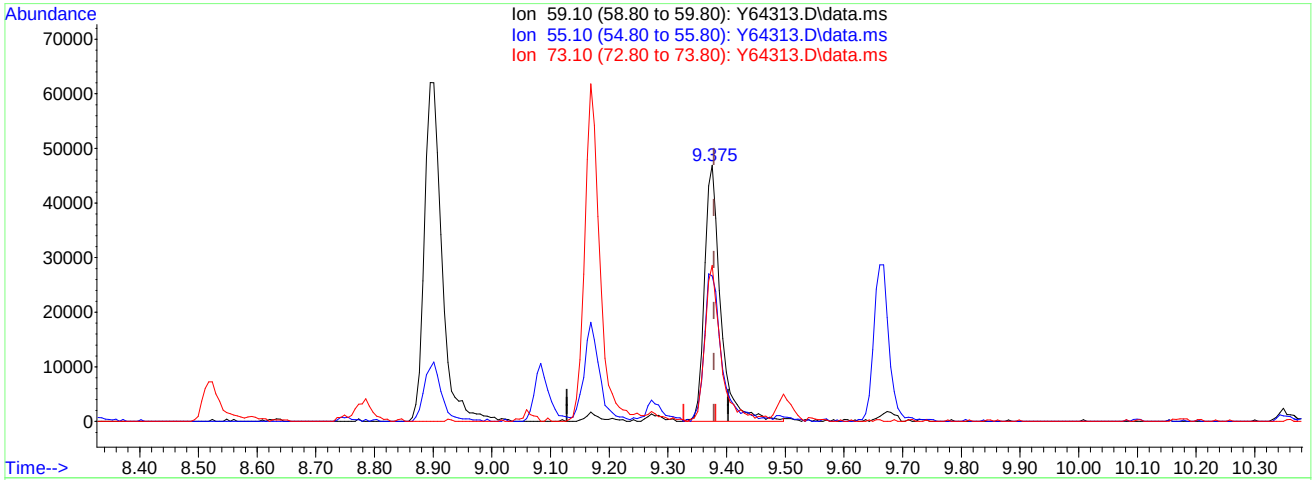
response 63629

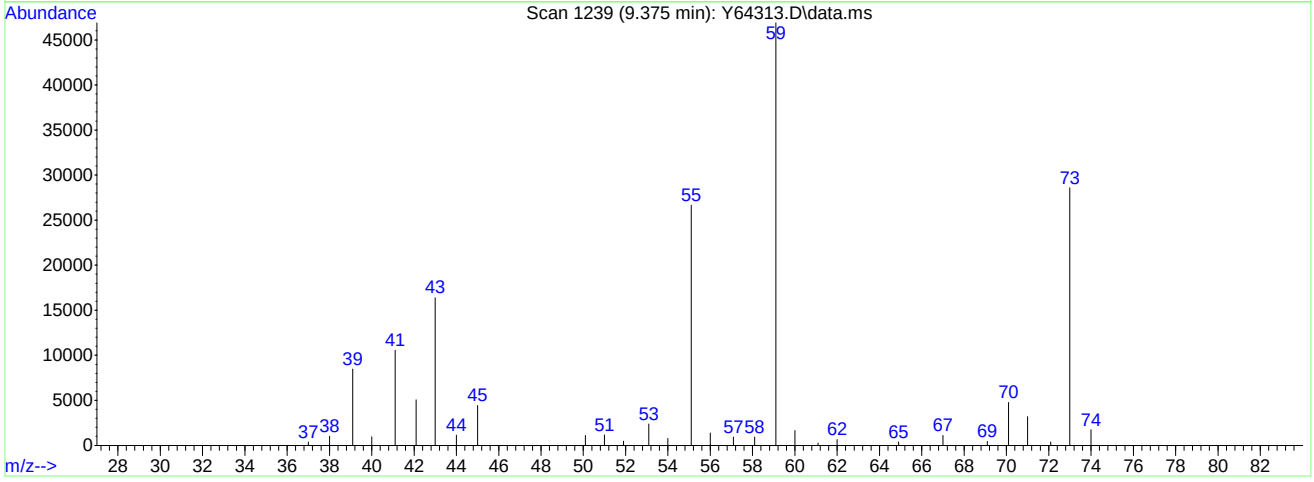
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	56.80
73.10	53.50	60.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:33:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64313.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 96.03ug/L m

response 90666

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	56.80
73.10	53.50	60.92
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:48:25 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.498	96	727825	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	595423	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	309430	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.604	113	164710	50.07	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.14%			
49) 1,2-Dichloroethane-d4	9.206	65	196823	48.17	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.34%			
63) Toluene-d8	10.934	98	734974	48.61	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.22%			
86) 4-Bromofluorobenzene	13.008	174	234972	49.58	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.842	85	102247	32.79	ug/L	98
3) Acrolein	5.580	56	120900	103.86	ug/L	98
4) Chloromethane	3.177	50	108387	23.55	ug/L	98
5) 1,3-butadiene	3.341	39	109341	28.51	ug/L	97
6) Vinyl Chloride	3.311	62	117493	26.28	ug/L	98
7) Bromomethane	3.828	94	22348	25.13	ug/L	90
8) Chloroethane	4.029	64	56026	45.89	ug/L	99
9) Trichlorofluoromethane	4.248	101	129957	25.85	ug/L	97
10) Ethyl Ether	4.747	59	77500	24.98	ug/L	99
11) Ethanol	4.990	45	40392	300.95	ug/L	94
12) 1,2-Dichlorotrifluoroe...	5.039	67	87190	28.19	ug/L	99
13) 1,1-Dichloroethene	5.051	61	120166	26.14	ug/L	99
14) Freon 113	5.112	101	82554	27.21	ug/L	93
15) Carbon Disulfide	5.099	76	224149	24.71	ug/L	94
16) Iodomethane	5.276	142	15129	10.17	ug/L	94
17) Allyl chloride	5.793	41	115547	22.81	ug/L	94
18) Methylene Chloride	5.957	49	157095	29.66	ug/L	93
19) Acetone	6.036	43	260742	106.25	ug/L	94
20) Methyl acetate	6.231	43	577243	118.24	ug/L	97
21) trans-1,2-Dichloroethene	6.219	61	119232	25.16	ug/L	97
22) Hexane	6.334	56	69113m	23.59	ug/L	
23) Methyl Tert Butyl Ether	6.377	73	265704	28.82	ug/L	66
24) Tert Butyl Alcohol	6.529	59	287108	182.19	ug/L	97
25) Acetonitrile	6.785	41	225762	223.17	ug/L	95
26) Di-isopropyl ether	6.985	45	289832	25.14	ug/L	98
27) Chloroprene	7.180	53	23073	4.59	ug/L	94
28) 1,1-Dichloroethane	7.216	63	159341	26.49	ug/L	94
29) Acrylonitrile	7.296	53	346351	142.96	ug/L	100
30) ETBE	7.575	59	286925	26.21	ug/L	98
31) Vinyl acetate	7.600	43	1274082	132.57	ug/L	100
32) cis-1,2-Dichloroethene	8.032	96	97492	26.43	ug/L	97
33) 2,2-Dichloropropane	8.166	77	130619	27.16	ug/L	98
34) Bromochloromethane	8.293	128	46127	27.67	ug/L	95
35) Cyclohexane	8.293	56	176372	25.78	ug/L	96
36) Chloroform	8.378	83	158711	29.52	ug/L	96
37) Ethyl acetate	8.512	43	965056	138.82	ug/L	99
38) Tetrahydrofuran	8.585	42	68640	23.77	ug/L	95
40) Carbon Tetrachloride	8.555	117	107811	26.42	ug/L	98
41) 1,1,1-Trichloroethane	8.634	97	134834	27.68	ug/L	98
42) 2-Butanone	8.743	43	460313	115.60	ug/L	98
43) 1,1-Dichloropropene	8.780	75	127822	27.86	ug/L	92
44) tert-Butyl formate	8.896	59	395387	134.90	ug/L	98
45) Propionitrile	9.084	54	293669	228.17	ug/L	90
46) Methacrylonitrile	9.102	41	952218	228.20	ug/L	98
47) Benzene	9.060	78	405618	28.40	ug/L	97
48) TAME	9.169	73	278382	29.42	ug/L	92
50) Isobutyl Alcohol	9.273	42	154045	411.11	ug/L	97
51) 1,2-Dichloroethane	9.285	62	125004	26.24	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:48:25 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

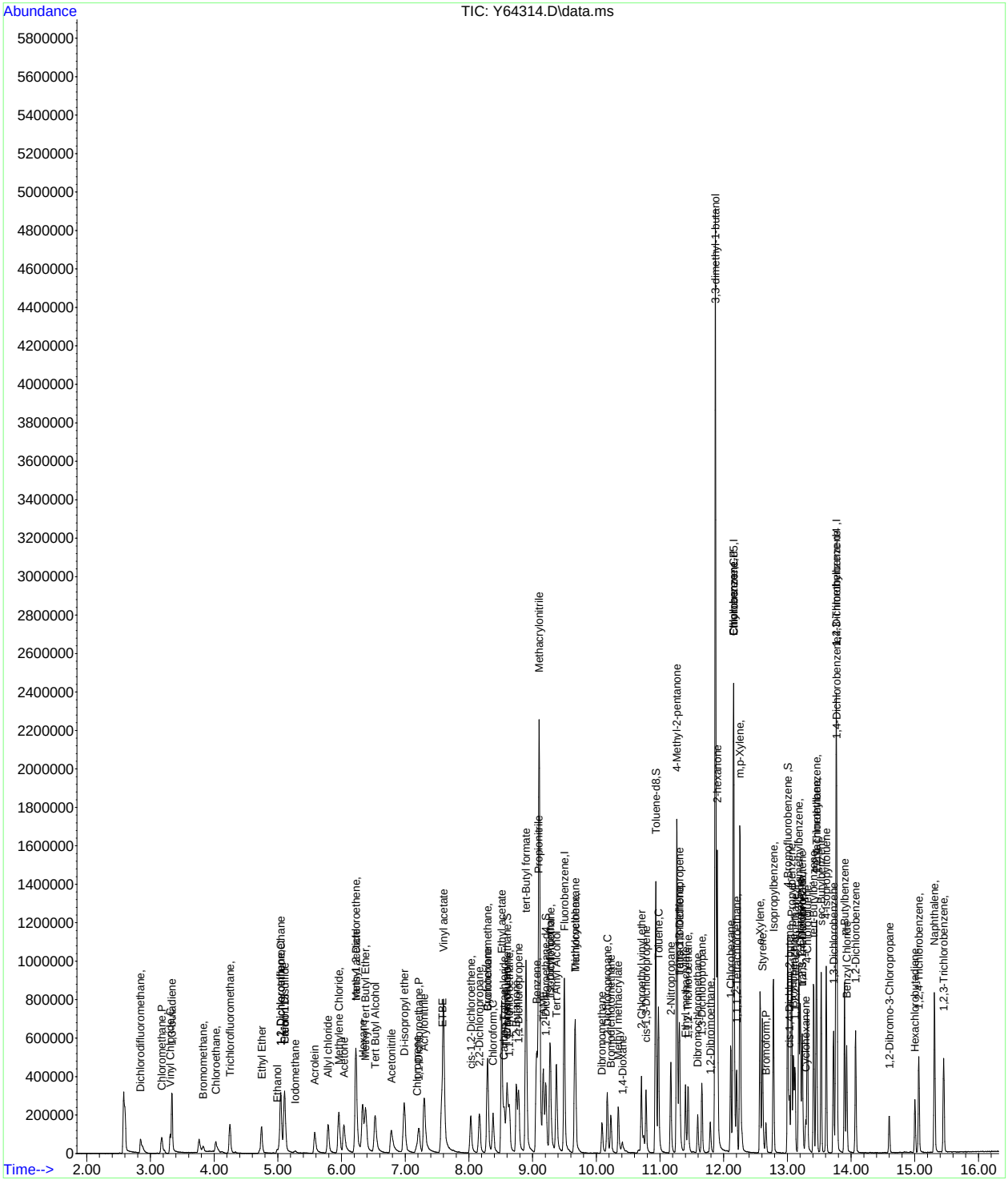
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	9.376	59	242528m	237.36	ug/L		
53) Trichloroethene	9.674	95	99247	28.32	ug/L		97
54) Methylcyclohexane	9.662	83	175344	27.47	ug/L		95
55) Dibromomethane	10.088	93	54840	26.78	ug/L		96
56) 1,2-Dichloropropane	10.173	63	97291	25.88	ug/L		93
57) Bromodichloromethane	10.228	83	103453	25.98	ug/L		96
58) Methyl methacrylate	10.343	41	110468	23.22	ug/L		95
59) 1,4-Dioxane	10.410	88	40853	364.68	ug/L		90
60) 2-Chloroethyl vinyl ether	10.708	63	138516	208.57	ug/L		97
61) cis-1,3-Dichloropropene	10.781	75	140524	26.43	ug/L		93
64) Toluene	10.976	91	437942	26.37	ug/L		97
65) 2-Nitropropane	11.171	41	217374	101.57	ug/L		98
66) 4-Methyl-2-pentanone	11.262	43	910852	112.56	ug/L		99
67) trans-1,3-Dichloropropene	11.311	75	119985	24.12	ug/L	#	74
68) Tetrachloroethene	11.305	166	108537	25.89	ug/L		96
69) Ethyl methacrylate	11.402	69	148020	25.26	ug/L		88
70) 1,1,2-Trichloroethane	11.445	83	75949	27.55	ug/L		94
71) Dibromochloromethane	11.591	129	84159	23.69	ug/L		99
72) 1,3-Dichloropropane	11.657	76	163888	26.87	ug/L		94
73) 1,2-Dibromoethane	11.791	107	92002	25.30	ug/L		99
74) 3,3-dimethyl-1-butanol	11.870	57	1728188	1011.98	ug/L		98
75) 2-hexanone	11.901	43	713486	105.58	ug/L		95
76) 1-Chlorohexane	12.114	91	137275	24.93	ug/L		87
77) Ethylbenzene	12.156	91	485801	25.08	ug/L		97
78) Chlorobenzene	12.162	112	266591	24.85	ug/L		98
79) 1,1,1,2-Tetrachloroethane	12.205	131	88350	23.69	ug/L		98
80) m,p-Xylene	12.254	91	752208	50.71	ug/L		99
81) o-Xylene	12.570	91	365669	25.16	ug/L		100
82) Styrene	12.606	104	274620	24.09	ug/L		97
83) Bromoform	12.661	173	53126	20.81	ug/L		98
84) Isopropylbenzene	12.783	105	465596	25.85	ug/L		99
87) cis-1,4-Dichloro-2-butene	13.032	53	44276	19.87	ug/L		92
88) n-Propylbenzene	13.063	91	572136	25.83	ug/L		98
89) Bromobenzene	13.099	156	108448	25.57	ug/L		85
90) 1,1,2,2-Tetrachloroethane	13.117	83	150375	25.59	ug/L		97
91) 1,3,5-Trimethylbenzene	13.178	105	394643	25.77	ug/L		97
92) 2-Chlorotoluene	13.203	91	361894	24.85	ug/L		100
93) trans-1,4-Dichloro-2-B...	13.239	53	41198	19.82	ug/L	#	58
94) 1,2,3-Trichloropropane	13.233	110	51059	25.66	ug/L		95
95) Cyclohexanone	13.288	55	53071	91.92	ug/L		96
96) 4-Chlorotoluene	13.312	91	319410	24.77	ug/L		98
97) tert-Butylbenzene	13.416	91	206747	24.12	ug/L		92
98) 1,2,4-Trimethylbenzene	13.452	105	380202	25.19	ug/L		99
99) Pentachloroethane	13.464	167	57028	23.67	ug/L		96
100) sec-Butylbenzene	13.531	105	465002	24.95	ug/L		99
101) 4-Isopropyltoluene	13.610	119	390280	24.00	ug/L		98
102) 1,3-Dichlorobenzene	13.726	146	198161	24.62	ug/L		97
103) 1,2,3-Trimethylbenzene	13.762	105	373125	24.96	ug/L		98
104) 1,4-Dichlorobenzene	13.781	146	205256	24.19	ug/L		94
105) n-Butylbenzene	13.896	92	194521	23.41	ug/L		99
106) Benzyl Chloride	13.933	126	64363	23.93	ug/L		98
107) 1,2-Dichlorobenzene	14.073	146	194306	24.79	ug/L		98
108) 1,2-Dibromo-3-Chloropr...	14.596	75	34094	21.18	ug/L		97
109) Hexachlorobutadiene	15.003	225	36393	19.39	ug/L		94
110) 1,2,4-Trichlorobenzene	15.064	180	123771	23.91	ug/L		98
111) Naphthalene	15.308	128	539708	24.32	ug/L		100
112) 1,2,3-Trichlorobenzene	15.454	180	124089	24.28	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:48:25 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

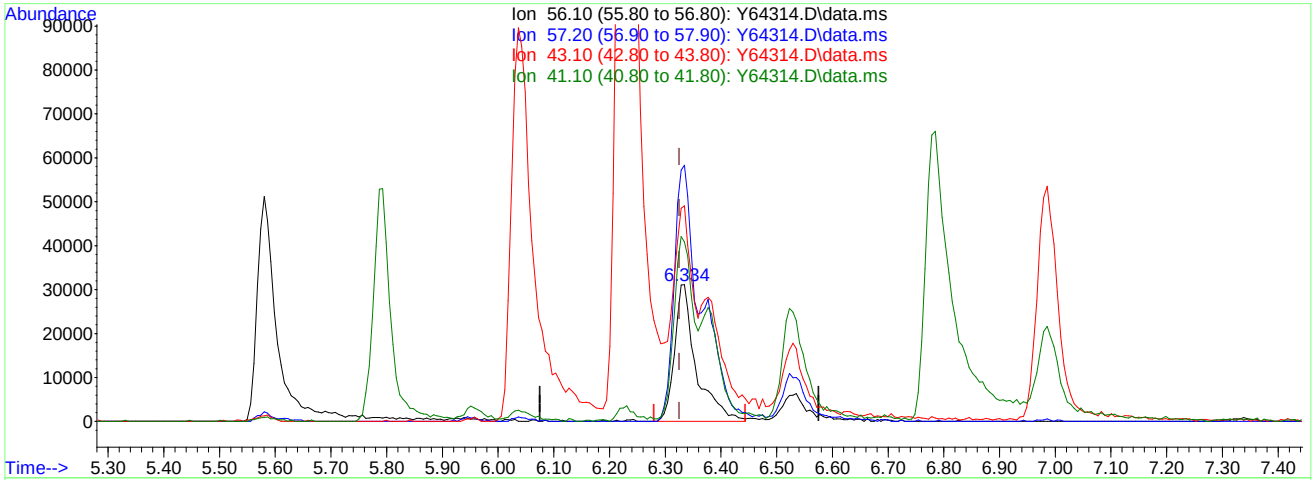
Sample Number: VY2666-IC2666
Lab FileID: Y64314.D
Injection Time: 08/29/22 14:19
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

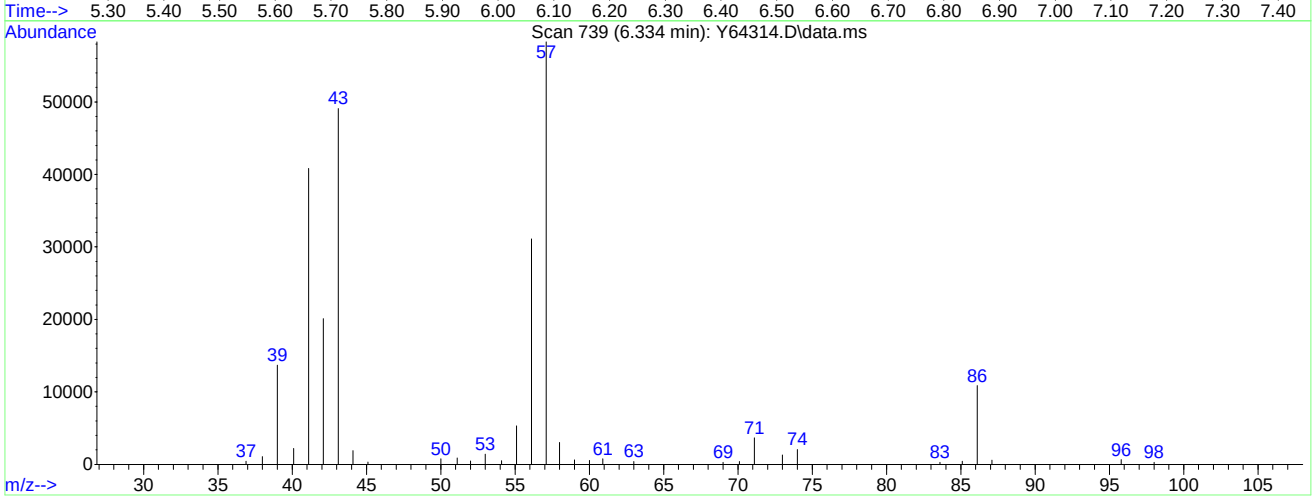
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:33:50 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64314.D\data.ms

(22) Hexane

6.334min (+0.009) 29.00ug/L

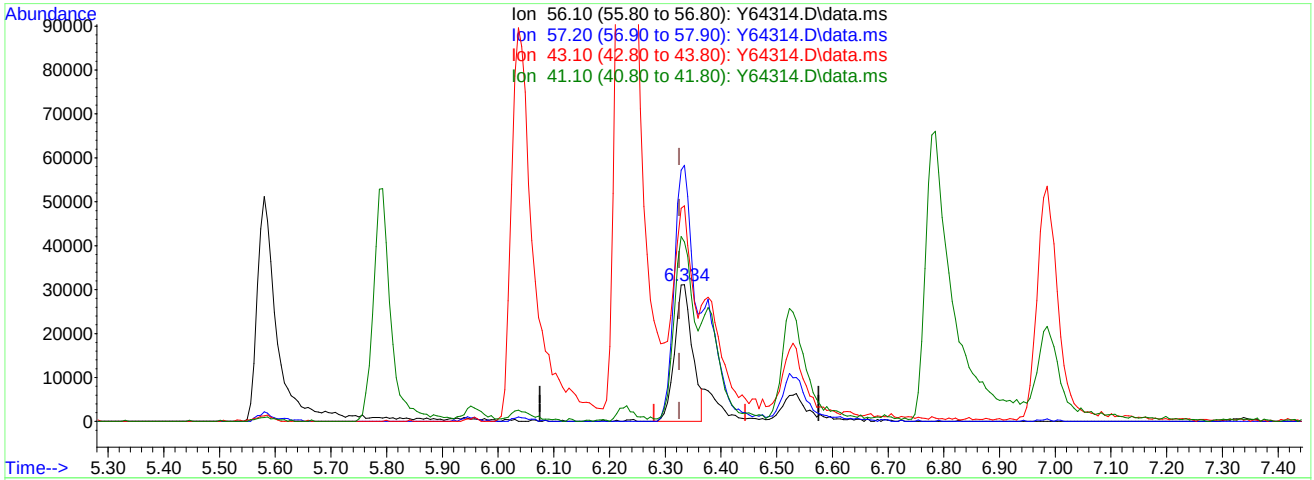
response 84302

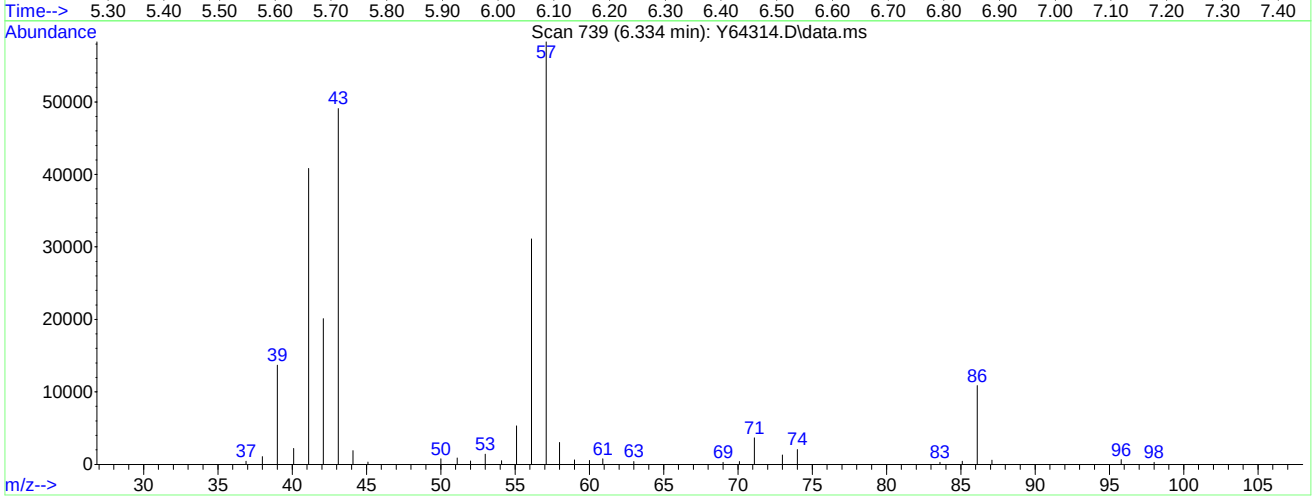
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	187.35
43.10	76.70	141.11#
41.10	144.30	129.40

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:33:50 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64314.D\data.ms

(22) Hexane

6.334min (+0.009) 23.59ug/L m

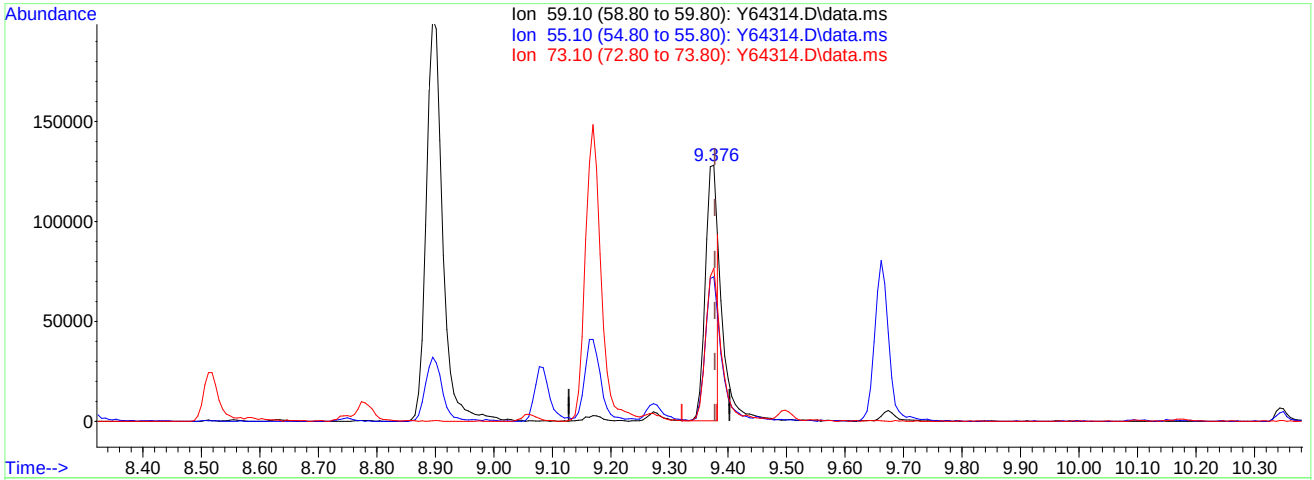
response 69113

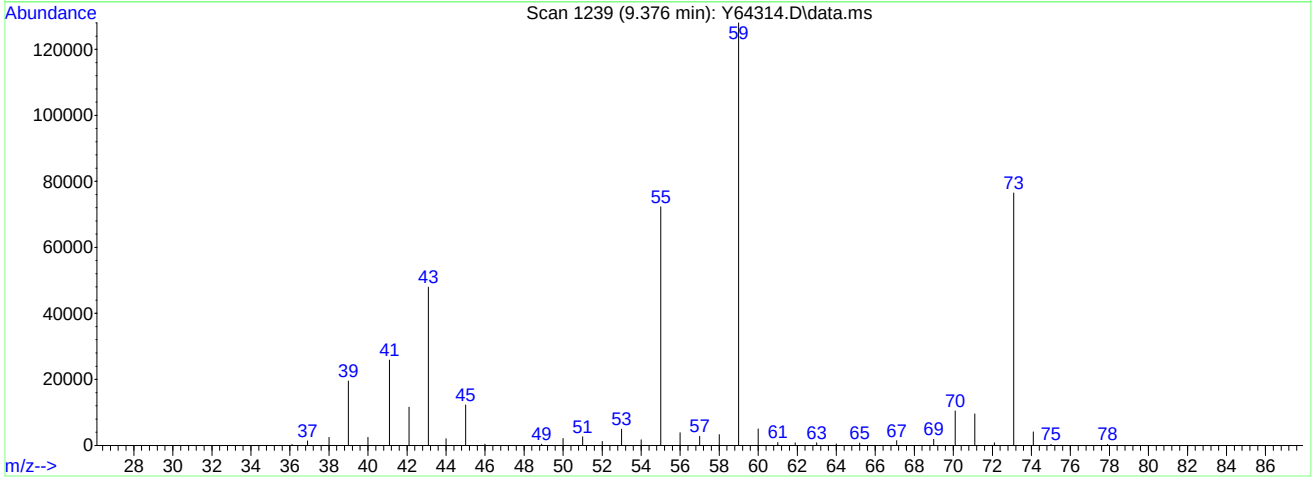
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	187.35
43.10	76.70	157.71#
41.10	144.30	131.23

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:33:50 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64314.D\data.ms

(52) Tert Amyl Alcohol

9.376min (-0.002) 182.38ug/L

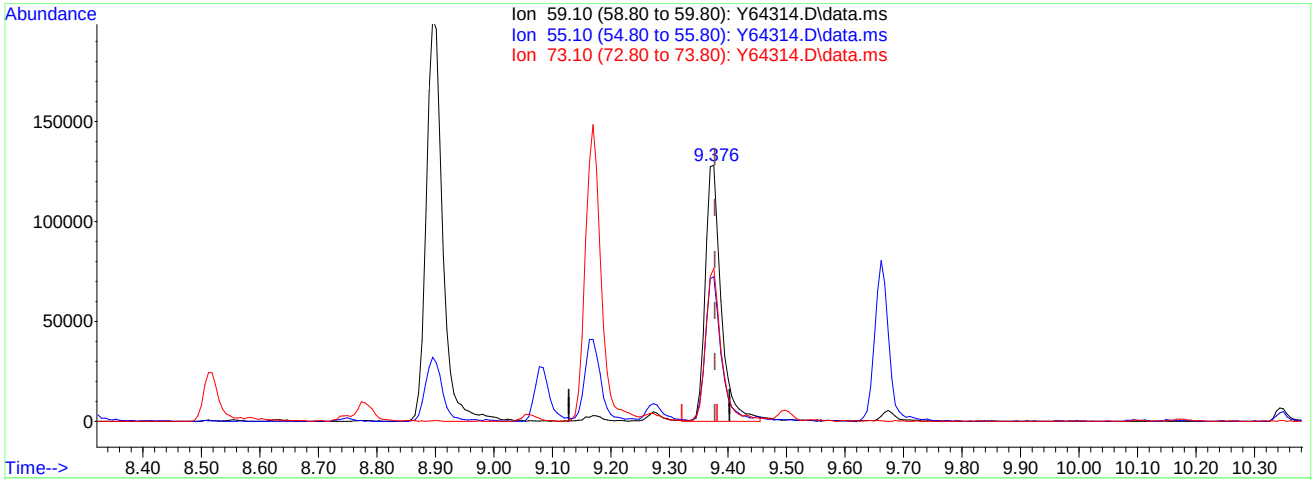
response 182260

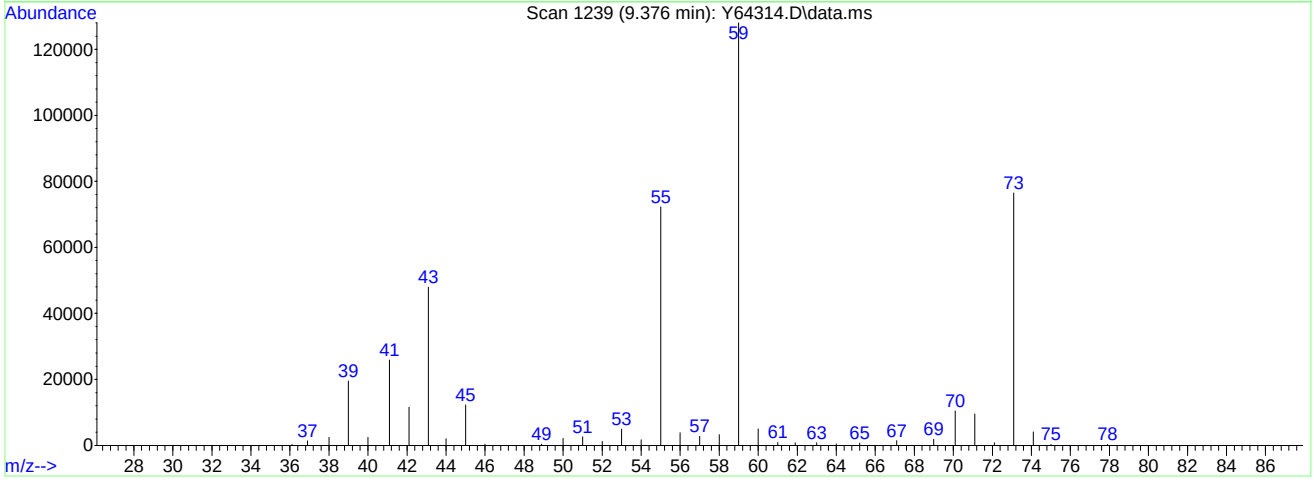
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	55.88
73.10	53.50	59.32
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:33:50 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64314.D\data.ms

(52) Tert Amyl Alcohol

9.376min (-0.002) 237.36ug/L m

response 242528

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	56.42
73.10	53.50	59.72
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:49:22 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	767973	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	617075	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	336296	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	173950	50.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.24%			
49) 1,2-Dichloroethane-d4	9.211	65	206771	47.96	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.92%			
63) Toluene-d8	10.932	98	770670	49.18	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.36%			
86) 4-Bromofluorobenzene	13.007	174	255223	49.55	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	171398	51.35	ug/L	98
3) Acrolein	5.579	56	236442	192.51	ug/L	96
4) Chloromethane	3.176	50	174411	35.92	ug/L	99
5) 1,3-butadiene	3.340	39	188315	48.22	ug/L	97
6) Vinyl Chloride	3.310	62	192998	40.92	ug/L	95
7) Bromomethane	3.827	94	47290	48.22	ug/L	99
8) Chloroethane	4.028	64	72853	56.56	ug/L	97
9) Trichlorofluoromethane	4.241	101	223298	42.09	ug/L	99
10) Ethyl Ether	4.746	59	135375	41.36	ug/L	97
11) Ethanol	5.001	45	89698	618.59	ug/L	97
12) 1,2-Dichlorotrifluoroe...	5.044	67	149324	45.76	ug/L	97
13) 1,1-Dichloroethene	5.050	61	204219	42.10	ug/L	96
14) Freon 113	5.104	101	143409	44.77	ug/L	94
15) Carbon Disulfide	5.098	76	399762	41.76	ug/L	97
16) Iodomethane	5.281	142	37319	23.77	ug/L	92
17) Allyl chloride	5.792	41	214194	40.07	ug/L	94
18) Methylene Chloride	5.956	49	245918	44.00	ug/L	90
19) Acetone	6.041	43	414543	160.09	ug/L	99
20) Methyl acetate	6.230	43	1007115	191.71	ug/L	97
21) trans-1,2-Dichloroethene	6.218	61	205080	40.81	ug/L	96
22) Hexane	6.333	56	122650m	40.70	ug/L	
23) Methyl Tert Butyl Ether	6.376	73	465899	47.89	ug/L	91
24) Tert Butyl Alcohol	6.534	59	512606	308.27	ug/L	99
25) Acetonitrile	6.784	41	418817	382.39	ug/L	99
26) Di-isopropyl ether	6.984	45	501786	41.26	ug/L	99
27) Chloroprene	7.179	53	41756	7.87	ug/L	94
28) 1,1-Dichloroethane	7.215	63	261937	41.27	ug/L	98
29) Acrylonitrile	7.301	53	503708	193.25	ug/L	99
30) ETBE	7.574	59	483002	41.82	ug/L	98
31) Vinyl acetate	7.599	43	2004703	193.79	ug/L	99
32) cis-1,2-Dichloroethene	8.031	96	166967	43.04	ug/L	95
33) 2,2-Dichloropropane	8.164	77	227473	44.83	ug/L	99
34) Bromochloromethane	8.292	128	76749	44.00	ug/L	92
35) Cyclohexane	8.292	56	306895	42.54	ug/L	95
36) Chloroform	8.377	83	265841	46.85	ug/L	96
37) Ethyl acetate	8.511	43	1432650	195.31	ug/L	99
38) Tetrahydrofuran	8.590	42	112259	36.84	ug/L	94
40) Carbon Tetrachloride	8.554	117	185038	42.97	ug/L	98
41) 1,1,1-Trichloroethane	8.633	97	230105	44.76	ug/L	99
42) 2-Butanone	8.742	43	733722	174.63	ug/L	98
43) 1,1-Dichloropropene	8.779	75	214701	44.06	ug/L	92
44) tert-Butyl formate	8.901	59	765340	247.48	ug/L	98
45) Propionitrile	9.083	54	529091	389.60	ug/L	98
46) Methacrylonitrile	9.107	41	1736773	394.46	ug/L	100
47) Benzene	9.059	78	674847	44.78	ug/L	97
48) TAME	9.168	73	470604	46.36	ug/L	92
50) Isobutyl Alcohol	9.272	42	304128	725.98	ug/L	97
51) 1,2-Dichloroethane	9.278	62	208864	41.56	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:49:22 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

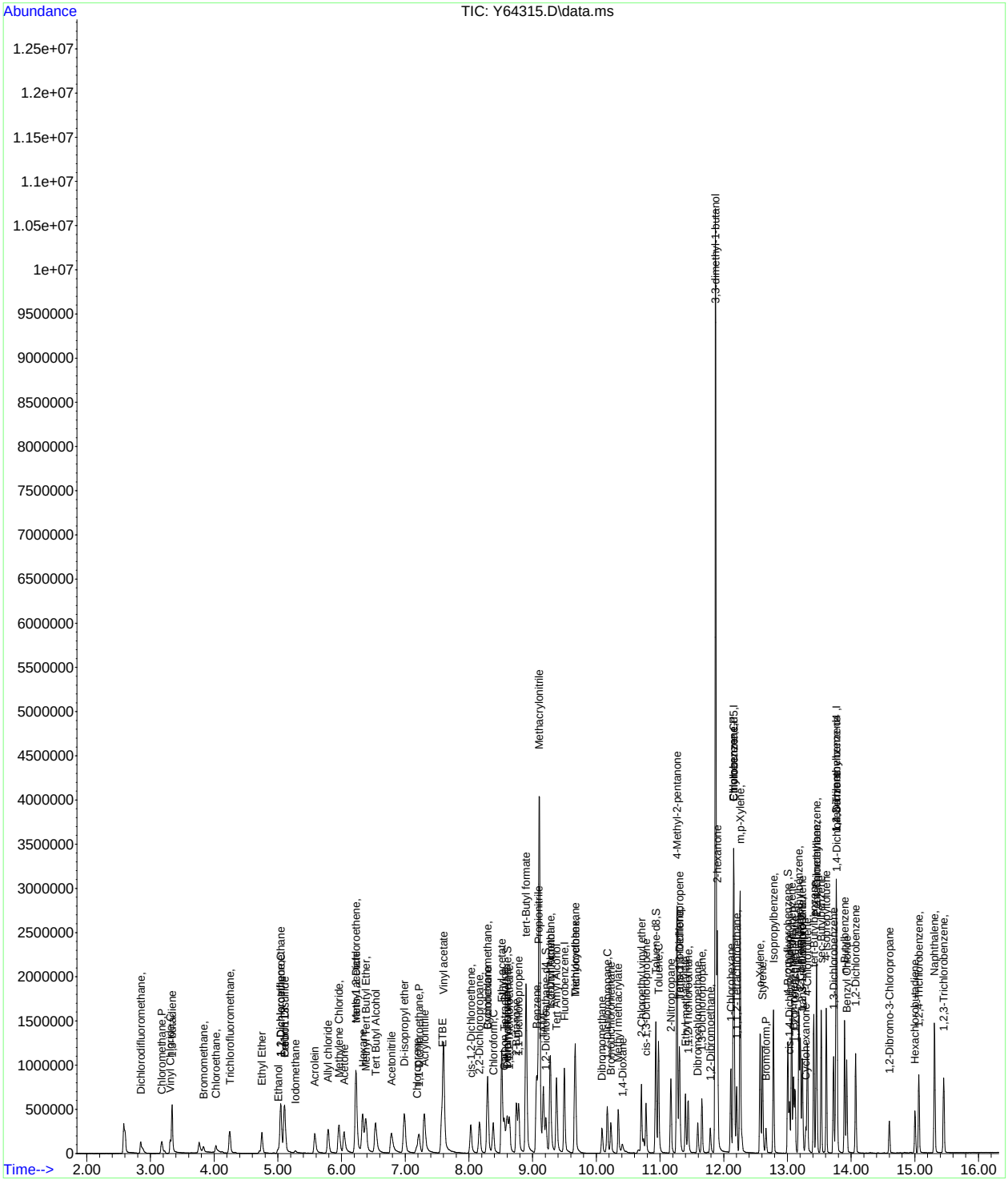
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Tert Amyl Alcohol	9.375	59	434506m	381.16 ug/L		
53) Trichloroethene	9.673	95	166907	45.13 ug/L		98
54) Methylcyclohexane	9.661	83	307047	45.43 ug/L		91
55) Dibromomethane	10.087	93	93888	43.33 ug/L		95
56) 1,2-Dichloropropane	10.172	63	164096	41.27 ug/L		96
57) Bromodichloromethane	10.227	83	182872	42.90 ug/L		96
58) Methyl methacrylate	10.342	41	211580	40.77 ug/L		96
59) 1,4-Dioxane	10.409	88	76872	650.66 ug/L		91
60) 2-Chloroethyl vinyl ether	10.707	63	260123	344.76 ug/L		96
61) cis-1,3-Dichloropropene	10.780	75	242280	42.57 ug/L		92
64) Toluene	10.975	91	727818	42.29 ug/L		99
65) 2-Nitropropane	11.170	41	383462	168.92 ug/L		99
66) 4-Methyl-2-pentanone	11.267	43	1441830	171.93 ug/L		99
67) trans-1,3-Dichloropropene	11.310	75	211479	40.45 ug/L	#	75
68) Tetrachloroethene	11.304	166	183069	42.14 ug/L		97
69) Ethyl methacrylate	11.401	69	275741	44.04 ug/L		89
70) 1,1,2-Trichloroethane	11.443	83	128472	44.97 ug/L		95
71) Dibromochloromethane	11.596	129	144814	39.10 ug/L		98
72) 1,3-Dichloropropane	11.656	76	275562	43.60 ug/L		94
73) 1,2-Dibromoethane	11.790	107	160507	42.42 ug/L		96
74) 3,3-dimethyl-1-butanol	11.869	57	3616133	1992.91 ug/L		98
75) 2-hexanone	11.900	43	1168681	157.31 ug/L		96
76) 1-Chlorohexane	12.113	91	242177	42.07 ug/L		88
77) Ethylbenzene	12.155	91	814885	40.59 ug/L		98
78) Chlorobenzene	12.161	112	454890	40.91 ug/L		97
79) 1,1,1,2-Tetrachloroethane	12.204	131	147400	37.95 ug/L		98
80) m,p-Xylene	12.259	91	1275170	82.95 ug/L		97
81) o-Xylene	12.575	91	619105	41.11 ug/L		99
82) Styrene	12.611	104	476288	39.52 ug/L		96
83) Bromoform	12.666	173	99856	36.83 ug/L		98
84) Isopropylbenzene	12.782	105	792992	42.48 ug/L		98
87) cis-1,4-Dichloro-2-butene	13.031	53	87151	35.99 ug/L		92
88) n-Propylbenzene	13.068	91	960328	39.89 ug/L		99
89) Bromobenzene	13.098	156	191372	41.52 ug/L	#	76
90) 1,1,2,2-Tetrachloroethane	13.123	83	252637	39.56 ug/L		99
91) 1,3,5-Trimethylbenzene	13.177	105	655052	39.36 ug/L		98
92) 2-Chlorotoluene	13.202	91	614419	38.82 ug/L		99
93) trans-1,4-Dichloro-2-B...	13.238	53	73557	31.84 ug/L	#	55
94) 1,2,3-Trichloropropane	13.232	110	86516	40.01 ug/L		93
95) Cyclohexanone	13.287	55	91173	145.30 ug/L		94
96) 4-Chlorotoluene	13.311	91	538383	38.41 ug/L		100
97) tert-Butylbenzene	13.415	91	362311	38.89 ug/L		96
98) 1,2,4-Trimethylbenzene	13.457	105	640763	39.07 ug/L		97
99) Pentachloroethane	13.463	167	110023	42.02 ug/L		96
100) sec-Butylbenzene	13.530	105	804215	39.70 ug/L		98
101) 4-Isopropyltoluene	13.609	119	667241	37.76 ug/L		99
102) 1,3-Dichlorobenzene	13.725	146	333905	38.17 ug/L		98
103) 1,2,3-Trimethylbenzene	13.761	105	639309	39.34 ug/L		97
104) 1,4-Dichlorobenzene	13.780	146	350296	37.99 ug/L		96
105) n-Butylbenzene	13.895	92	330382	35.83 ug/L		98
106) Benzyl Chloride	13.932	126	115817	38.40 ug/L		95
107) 1,2-Dichlorobenzene	14.072	146	327874	38.48 ug/L		97
108) 1,2-Dibromo-3-Chloropr...	14.601	75	63913	36.52 ug/L		92
109) Hexachlorobutadiene	15.008	225	66567	32.25 ug/L		93
110) 1,2,4-Trichlorobenzene	15.063	180	217463	38.65 ug/L		98
111) Naphthalene	15.306	128	938421	38.90 ug/L		99
112) 1,2,3-Trichlorobenzene	15.452	180	213445	38.44 ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:49:22 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

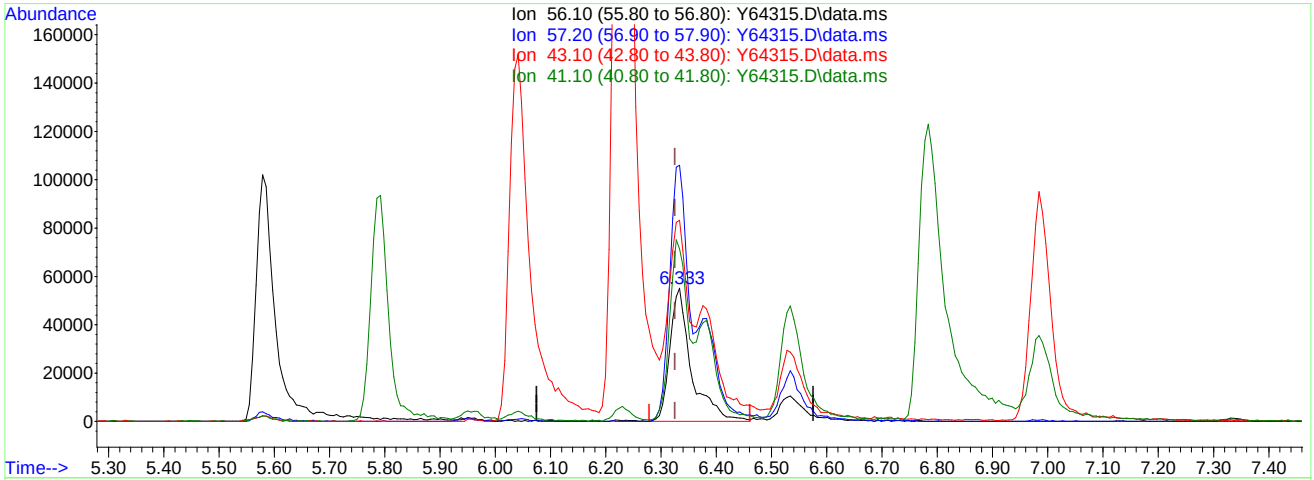
Sample Number: VY2666-ICC2666
Lab FileID: Y64315.D
Injection Time: 08/29/22 14:44
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

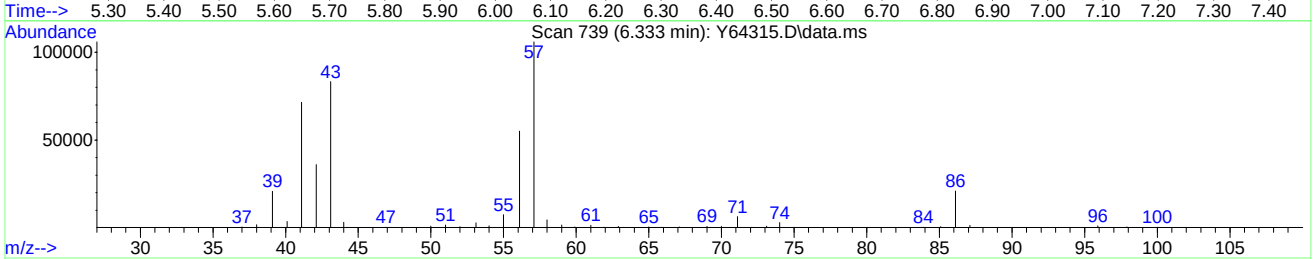
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

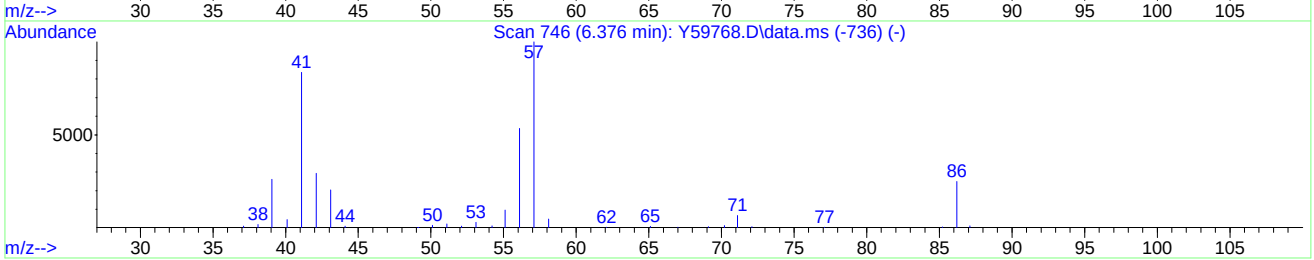
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:33:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64315.D\data.ms

(22) Hexane

6.333min (+0.008) 50.56ug/L

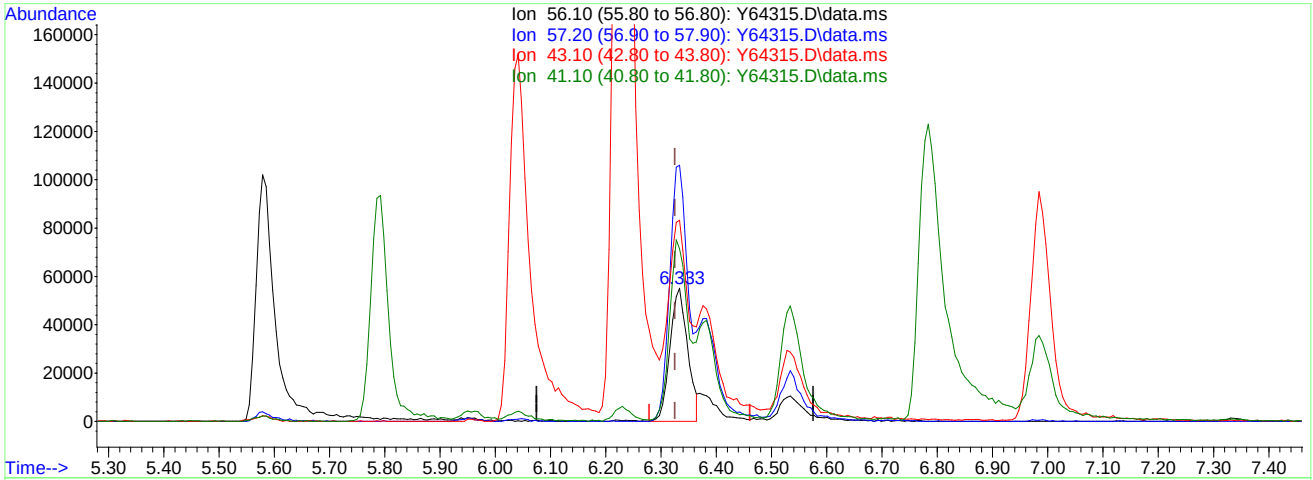
response 150108

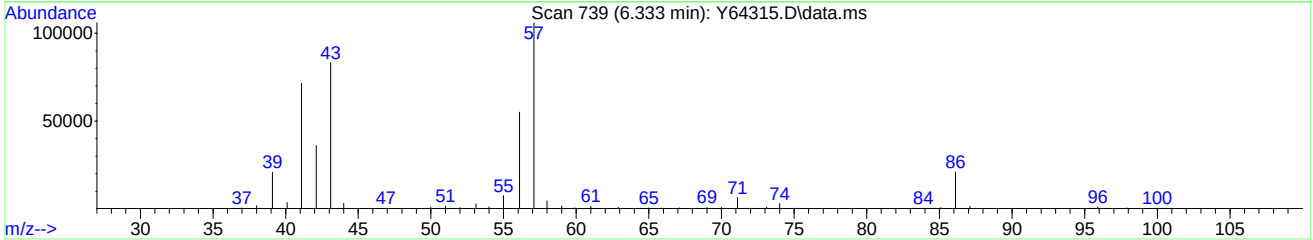
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	191.41
43.10	76.70	138.92#
41.10	144.30	128.62

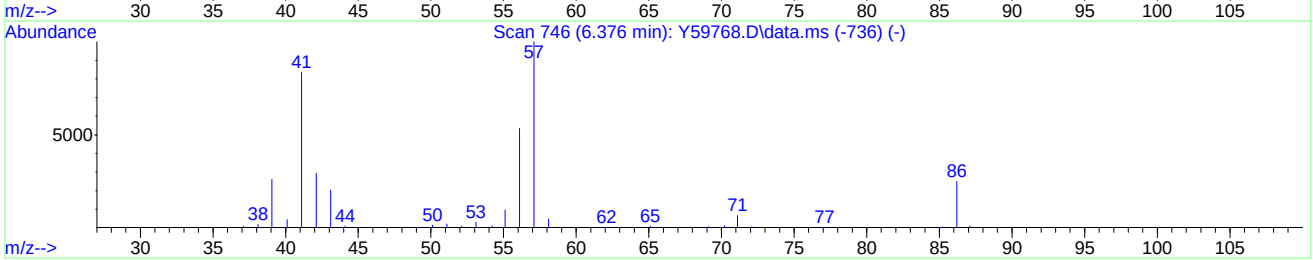
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:33:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64315.D\data.ms

(22) Hexane

6.333min (+0.008) 40.70ug/L m

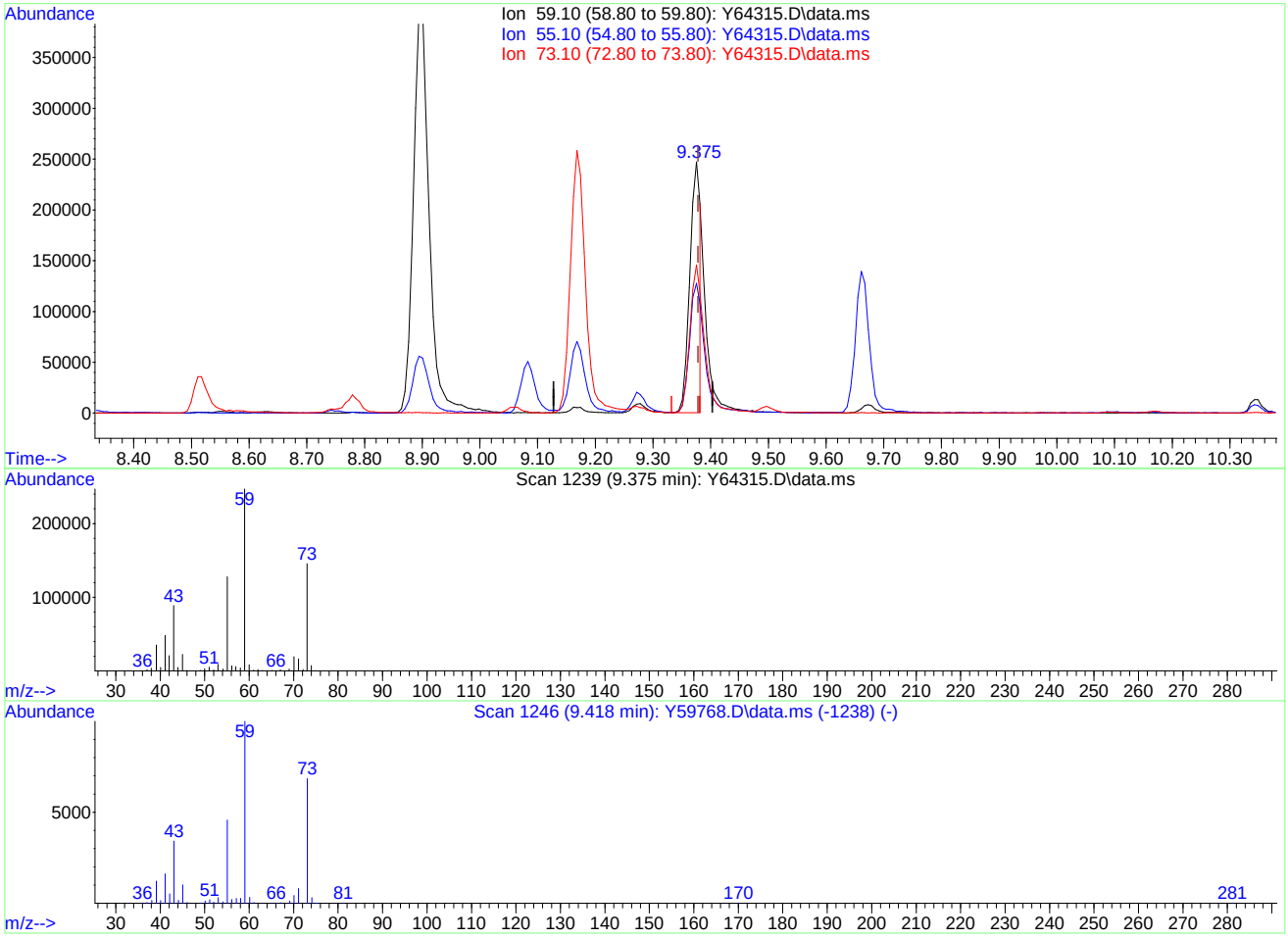
response 122650

Ion	Exp%	Act%
56.10	100	100
57.20	204.80	192.26
43.10	76.70	151.02#
41.10	144.30	129.65

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:33:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64315.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 282.27ug/L

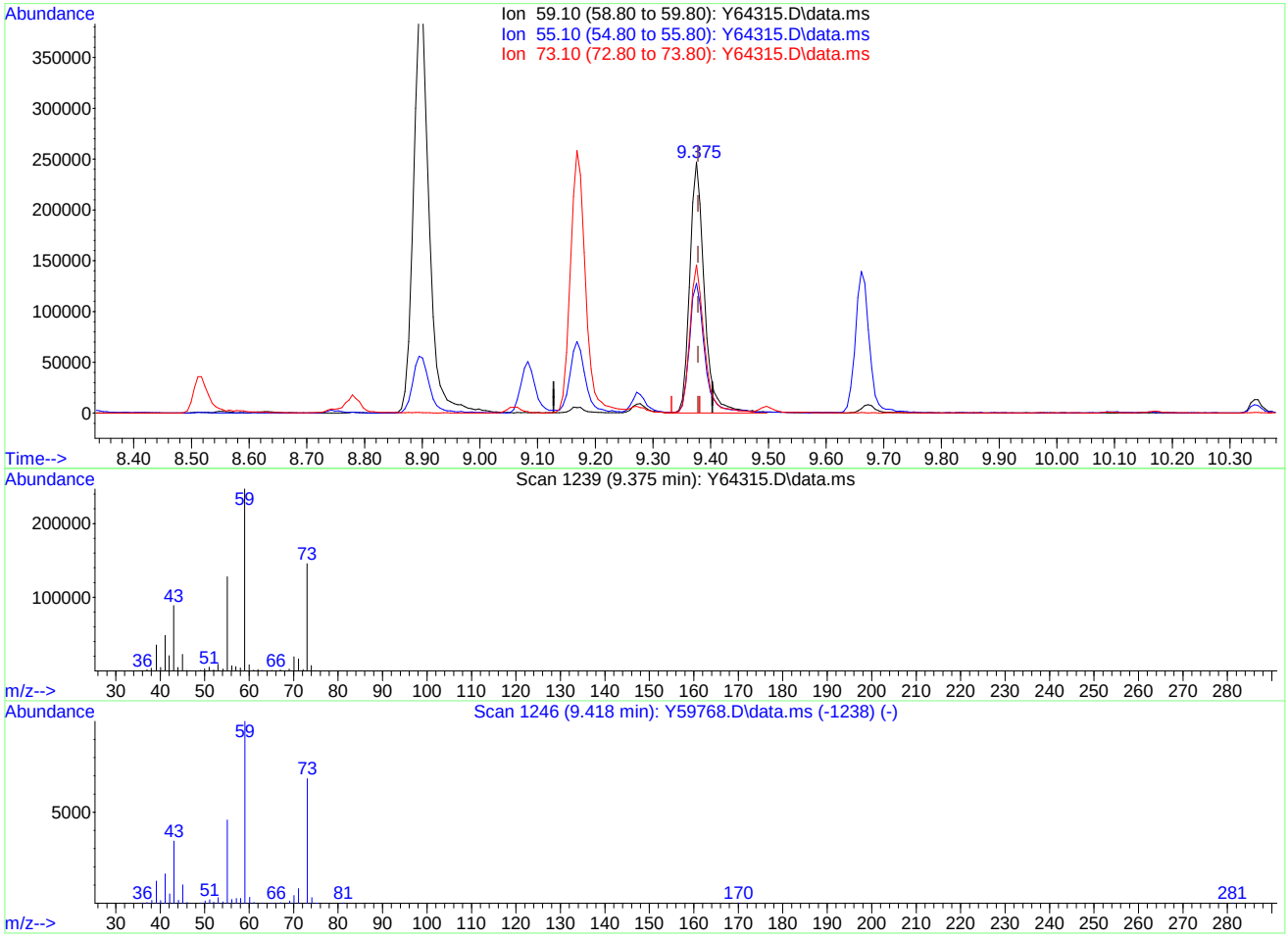
response 309773

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	51.44
73.10	53.50	58.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:33:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64315.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 381.16ug/L m

response 434506

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	51.69
73.10	53.50	58.97
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:50:12 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	797403	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	655739	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	357347	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	183087	50.80	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.60%			
49) 1,2-Dichloroethane-d4	9.211	65	214910	48.01	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.02%			
63) Toluene-d8	10.933	98	811558	48.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.46%			
86) 4-Bromofluorobenzene	13.007	174	276055	50.44	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	328553	91.94	ug/L	99
3) Acrolein	5.585	56	439661	344.75	ug/L	96
4) Chloromethane	3.176	50	337842	67.00	ug/L	98
5) 1,3-butadiene	3.335	39	320985	84.89	ug/L	99
6) Vinyl Chloride	3.310	62	392402	80.12	ug/L	96
7) Bromomethane	3.833	94	89151	82.31	ug/L	93
8) Chloroethane	4.028	64	135873	101.59	ug/L	97
9) Trichlorofluoromethane	4.235	101	499701	90.71	ug/L	98
10) Ethyl Ether	4.758	59	254716	74.94	ug/L	95
11) Ethanol	5.032	45	189559	1206.82	ug/L	97
12) 1,2-Dichlorotrifluoroe...	5.038	67	280101	82.67	ug/L	97
13) 1,1-Dichloroethene	5.044	61	394311	78.29	ug/L	96
14) Freon 113	5.105	101	279551	83.93	ug/L	95
15) Carbon Disulfide	5.093	76	767322	77.20	ug/L	97
16) Iodomethane	5.269	142	80980	49.68	ug/L	96
17) Allyl chloride	5.786	41	367949	66.29	ug/L	96
18) Methylene Chloride	5.957	49	428357	73.82	ug/L	93
19) Acetone	6.048	43	881528	327.87	ug/L	97
20) Methyl acetate	6.230	43	2003268	352.29	ug/L	99
21) trans-1,2-Dichloroethene	6.218	61	389549	73.87	ug/L	97
22) Hexane	6.328	56	222153	74.85	ug/L #	90
23) Methyl Tert Butyl Ether	6.382	73	873414	86.47	ug/L	96
24) Tert Butyl Alcohol	6.553	59	1094220	633.76	ug/L	96
25) Acetonitrile	6.790	41	801821	673.75	ug/L	97
26) Di-isopropyl ether	6.991	45	953829	75.53	ug/L	98
27) Chloroprene	7.173	53	73609	13.36	ug/L	97
28) 1,1-Dichloroethane	7.210	63	502987	76.32	ug/L	97
29) Acrylonitrile	7.301	53	1058730	366.88	ug/L	100
30) ETBE	7.581	59	948290	79.07	ug/L	96
31) Vinyl acetate	7.599	43	4129899	364.47	ug/L	100
32) cis-1,2-Dichloroethene	8.025	96	316255	79.10	ug/L	98
33) 2,2-Dichloropropane	8.165	77	426393	80.93	ug/L	97
34) Bromochloromethane	8.293	128	140803	79.18	ug/L	91
35) Cyclohexane	8.293	56	561833	75.09	ug/L	97
36) Chloroform	8.378	83	504141	85.57	ug/L	95
37) Ethyl acetate	8.512	43	2984822	391.89	ug/L	99
38) Tetrahydrofuran	8.585	42	217610	68.78	ug/L	94
40) Carbon Tetrachloride	8.554	117	346735	77.56	ug/L	95
41) 1,1,1-Trichloroethane	8.633	97	438287	82.12	ug/L	95
42) 2-Butanone	8.743	43	1565707	358.90	ug/L	98
43) 1,1-Dichloropropene	8.779	75	409338	79.74	ug/L	94
44) tert-Butyl formate	8.901	59	1375651	428.41	ug/L	96
45) Propionitrile	9.083	54	1012881	718.31	ug/L	99
46) Methacrylonitrile	9.108	41	3384282	740.28	ug/L	99
47) Benzene	9.059	78	1288627	82.35	ug/L	97
48) TAME	9.169	73	899140	82.44	ug/L	90
50) Isobutyl Alcohol	9.278	42	621514	1296.73	ug/L	99
51) 1,2-Dichloroethane	9.278	62	403401	77.30	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:50:12 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

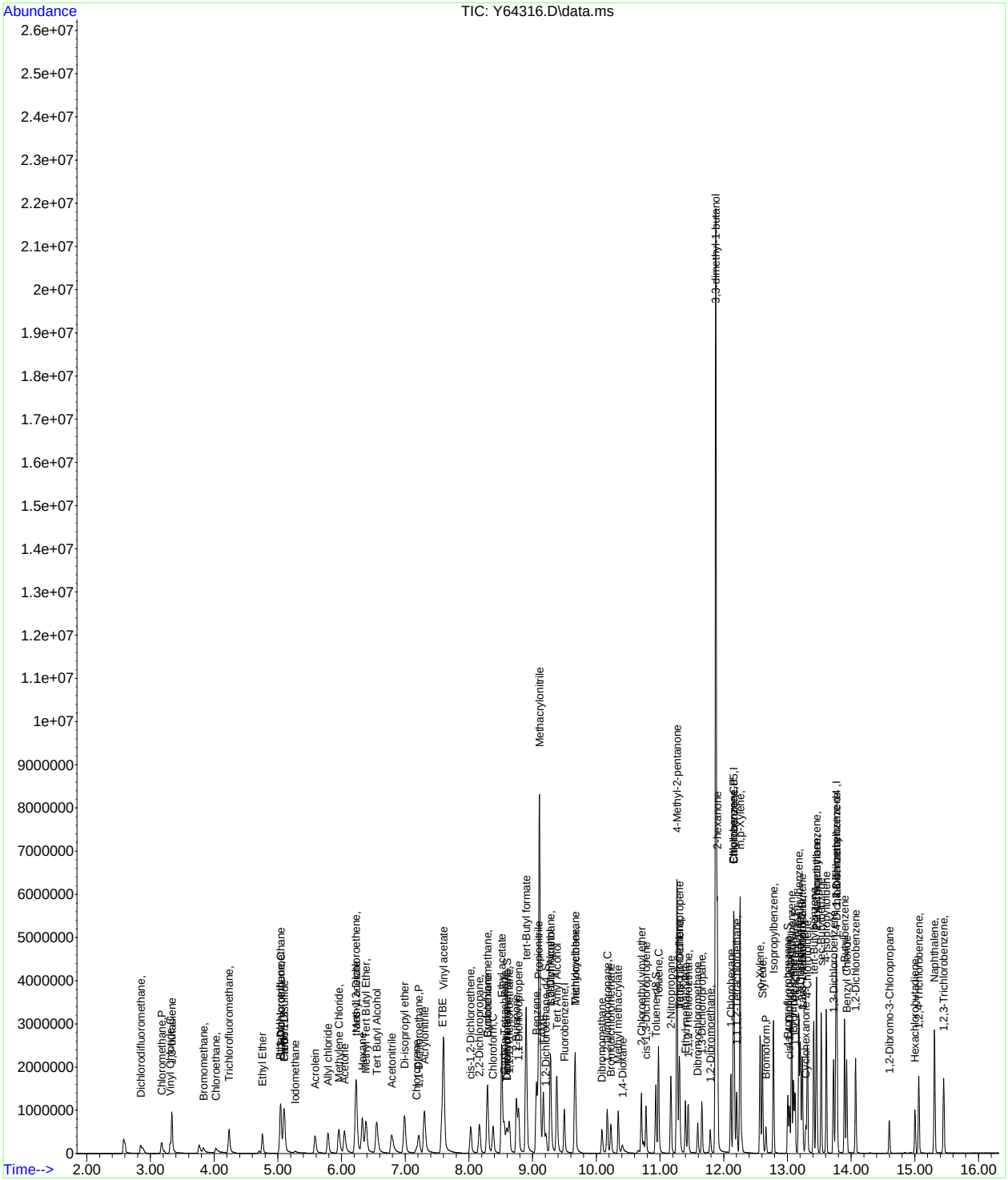
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Tert Amyl Alcohol	9.375	59	964761m	722.18 ug/L		
53) Trichloroethene	9.674	95	314201	81.83 ug/L		97
54) Methylcyclohexane	9.661	83	569850	80.64 ug/L		94
55) Dibromomethane	10.087	93	174441	77.07 ug/L		94
56) 1,2-Dichloropropane	10.172	63	307348	74.09 ug/L		95
57) Bromodichloromethane	10.227	83	348426	76.56 ug/L		98
58) Methyl methacrylate	10.343	41	392325	69.18 ug/L		96
59) 1,4-Dioxane	10.410	88	158842	1296.32 ug/L		94
60) 2-Chloroethyl vinyl ether	10.708	63	461394	535.51 ug/L		94
61) cis-1,3-Dichloropropene	10.781	75	470633	77.24 ug/L		92
64) Toluene	10.975	91	1387556	75.87 ug/L		100
65) 2-Nitropropane	11.170	41	785608	310.64 ug/L		99
66) 4-Methyl-2-pentanone	11.267	43	3179222	356.75 ug/L		99
67) trans-1,3-Dichloropropene	11.310	75	403568	70.82 ug/L	#	61
68) Tetrachloroethene	11.304	166	338903	73.42 ug/L		99
69) Ethyl methacrylate	11.401	69	502149	72.21 ug/L		89
70) 1,1,2-Trichloroethane	11.444	83	235304	77.51 ug/L		95
71) Dibromochloromethane	11.590	129	282155	70.85 ug/L		98
72) 1,3-Dichloropropane	11.657	76	515042	76.68 ug/L		96
73) 1,2-Dibromoethane	11.791	107	299166	73.88 ug/L		96
74) 3,3-dimethyl-1-butanol	11.876	57	7673262	3806.33 ug/L		97
75) 2-hexanone	11.900	43	3873240	390.00 ug/L		97
76) 1-Chlorohexane	12.113	91	461602	74.26 ug/L		88
77) Ethylbenzene	12.156	91	1595304	74.77 ug/L		97
78) Chlorobenzene	12.162	112	857844	72.61 ug/L		94
79) 1,1,1,2-Tetrachloroethane	12.204	131	284750	68.30 ug/L		99
80) m,p-Xylene	12.259	91	2529257	154.84 ug/L		99
81) o-Xylene	12.569	91	1209130	75.55 ug/L		99
82) Styrene	12.606	104	930827	70.00 ug/L		98
83) Bromoform	12.667	173	208024	68.85 ug/L		99
84) Isopropylbenzene	12.782	105	1535143	77.39 ug/L		97
87) cis-1,4-Dichloro-2-butene	13.032	53	168404	65.45 ug/L		91
88) n-Propylbenzene	13.068	91	1894656	74.07 ug/L		99
89) Bromobenzene	13.099	156	354753	72.43 ug/L		81
90) 1,1,2,2-Tetrachloroethane	13.123	83	499327	73.58 ug/L		97
91) 1,3,5-Trimethylbenzene	13.178	105	1308022	73.96 ug/L		97
92) 2-Chlorotoluene	13.202	91	1197583	71.21 ug/L		98
93) trans-1,4-Dichloro-2-B...	13.238	53	148067	57.64 ug/L	#	59
94) 1,2,3-Trichloropropane	13.232	110	168633	73.39 ug/L		97
95) Cyclohexanone	13.287	55	191055	286.54 ug/L		96
96) 4-Chlorotoluene	13.311	91	1072747	72.03 ug/L		99
97) tert-Butylbenzene	13.415	91	707383	71.45 ug/L		97
98) 1,2,4-Trimethylbenzene	13.457	105	1264207	72.54 ug/L		98
99) Pentachloroethane	13.464	167	198303	71.28 ug/L		98
100) sec-Butylbenzene	13.530	105	1581133	73.45 ug/L		98
101) 4-Isopropyltoluene	13.610	119	1360674	72.46 ug/L		98
102) 1,3-Dichlorobenzene	13.725	146	654488	70.40 ug/L		98
103) 1,2,3-Trimethylbenzene	13.762	105	1266212	73.33 ug/L		97
104) 1,4-Dichlorobenzene	13.780	146	677935	69.19 ug/L		99
105) n-Butylbenzene	13.895	92	679852	66.03 ug/L		98
106) Benzyl Chloride	13.932	126	235856	69.12 ug/L	#	89
107) 1,2-Dichlorobenzene	14.072	146	643611	71.09 ug/L		98
108) 1,2-Dibromo-3-Chloropr...	14.601	75	130152	70.00 ug/L		82
109) Hexachlorobutadiene	15.003	225	142552	63.20 ug/L		96
110) 1,2,4-Trichlorobenzene	15.064	180	436867	73.06 ug/L		99
111) Naphthalene	15.307	128	1855329	72.38 ug/L		99
112) 1,2,3-Trichlorobenzene	15.453	180	432170	73.24 ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:50:12 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

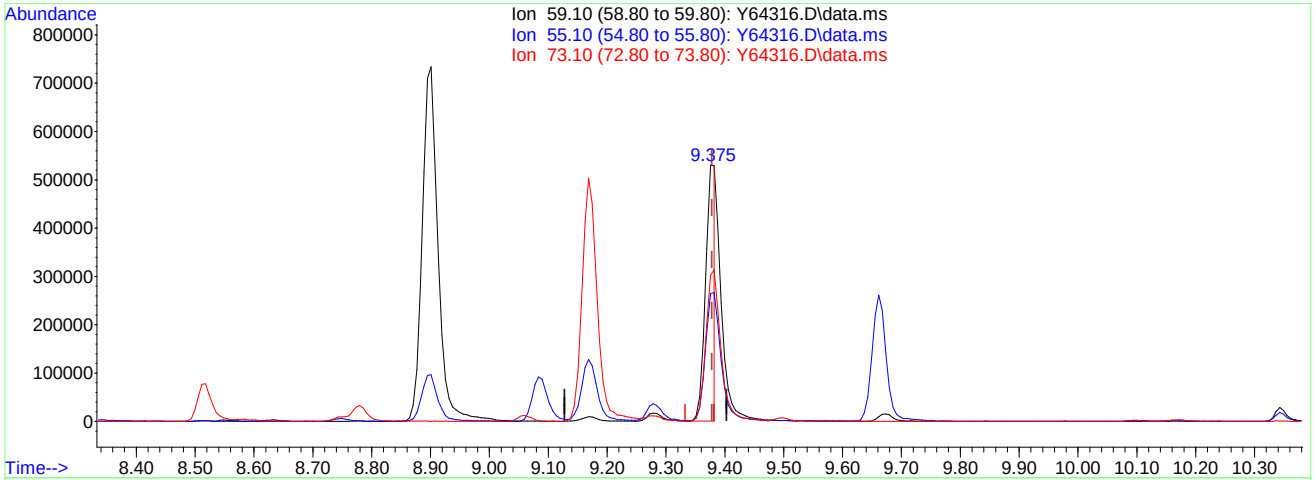
Sample Number:	VY2666-IC2666	**Method:**	SW846 8260D
Lab FileID:	Y64316.D	**Analyst approved:**	08/30/22 15:26 Jo-Ann Lugo De Jesus
Injection Time:	08/29/22 15:09	**Supervisor approved:**	08/30/22 18:34 Shanica O'Connor

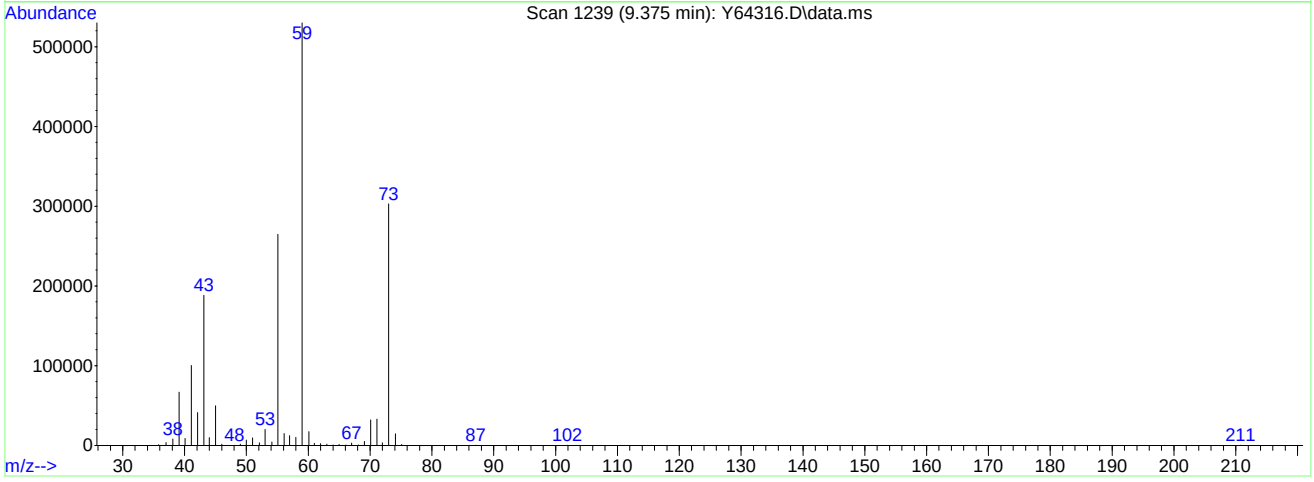
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert-Amyl Alcohol	75-85-4		9.38	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:33:52 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64316.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 486.95ug/L

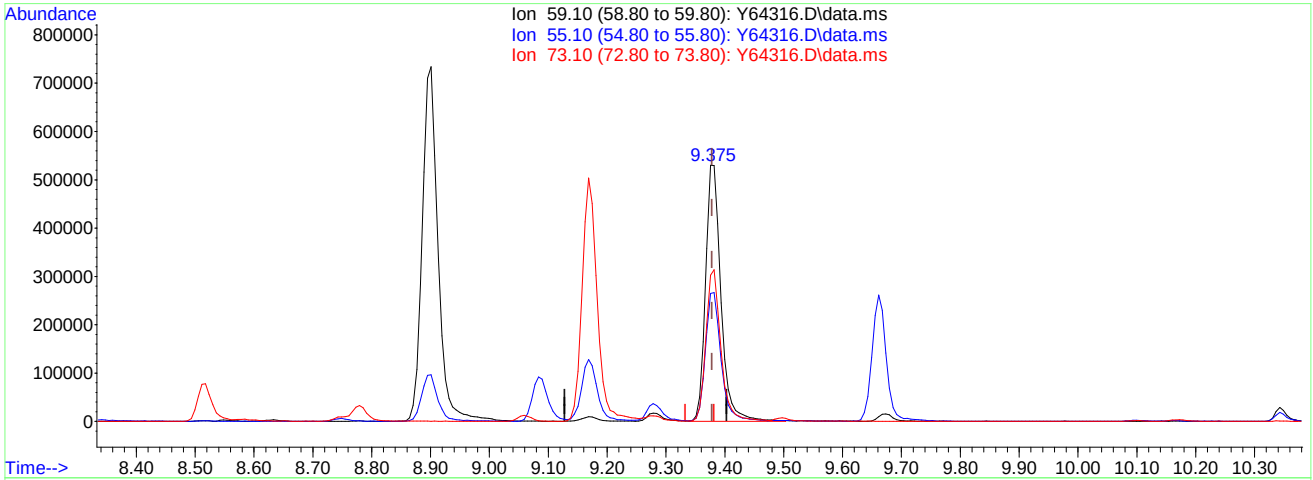
response 599379

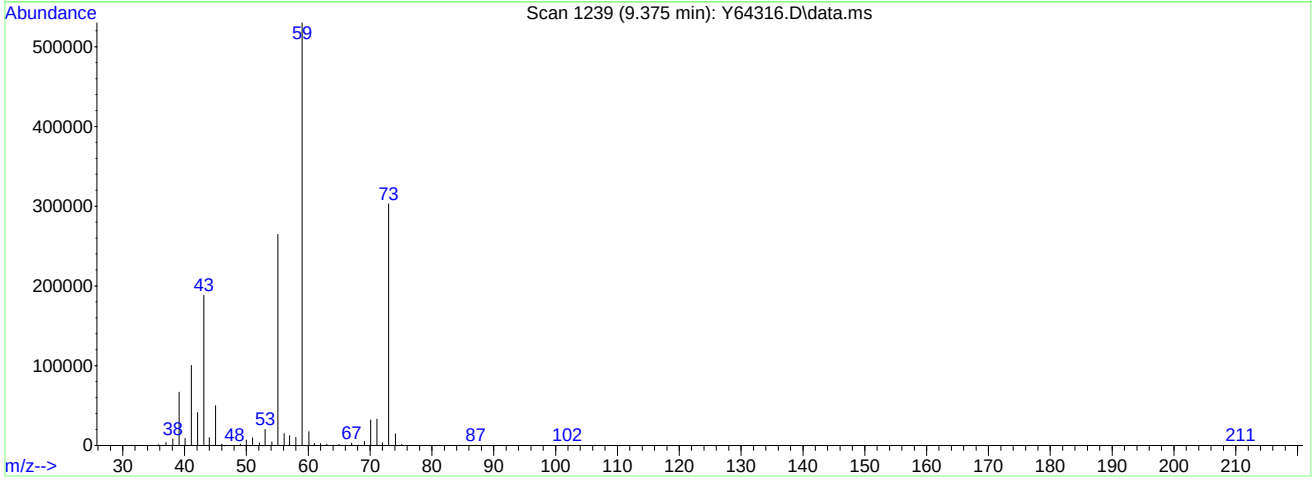
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	49.66
73.10	53.50	57.09
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:33:52 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64316.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 722.18ug/L m

response 964761

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	49.94
73.10	53.50	57.15
0.00	0.00	0.00

Y64317.D

Manual Integrations APPROVED (compounds with "m" flag)

Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:51:19 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	853192	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	714534	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	397319	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	192740	49.98	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.96%			
49) 1,2-Dichloroethane-d4	9.212	65	233054	48.66	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.32%			
63) Toluene-d8	10.933	98	864617	47.65	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.30%			
86) 4-Bromofluorobenzene	13.008	174	298226	49.01	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.842	85	515920m	131.12	ug/L	
3) Acrolein	5.586	56	695552	509.74	ug/L	98
4) Chloromethane	3.177	50	512185	94.94	ug/L	99
5) 1,3-butadiene	3.335	39	493252	135.44	ug/L	100
6) Vinyl Chloride	3.311	62	603582	115.18	ug/L	100
7) Bromomethane	3.834	94	156527	125.52	ug/L	98
8) Chloroethane	4.028	64	194959	136.23	ug/L	98
9) Trichlorofluoromethane	4.241	101	501285	85.05	ug/L	100
10) Ethyl Ether	4.765	59	397290	109.25	ug/L	95
11) Ethanol	5.057	45	308795	1767.53	ug/L	96
12) 1,2-Dichlorotrifluoroe...	5.044	67	439352	121.19	ug/L	98
13) 1,1-Dichloroethene	5.044	61	615022	114.13	ug/L	94
14) Freon 113	5.099	101	412361	115.57	ug/L	95
15) Carbon Disulfide	5.087	76	1198794	112.73	ug/L	98
16) Iodomethane	5.276	142	120351	69.01	ug/L	99
17) Allyl chloride	5.787	41	585276	98.55	ug/L	93
18) Methylene Chloride	5.957	49	637104	102.61	ug/L	91
19) Acetone	6.054	43	1342489	466.67	ug/L	94
20) Methyl acetate	6.237	43	3086586	490.16	ug/L	98
21) trans-1,2-Dichloroethene	6.212	61	590759	103.72	ug/L	97
22) Hexane	6.322	56	341341	114.80	ug/L #	87
23) Methyl Tert Butyl Ether	6.389	73	1328596	122.93	ug/L	77
24) Tert Butyl Alcohol	6.565	59	1726673	934.68	ug/L	96
25) Acetonitrile	6.790	41	1243131	938.40	ug/L	99
26) Di-isopropyl ether	6.991	45	1460216	108.06	ug/L	98
27) Chloroprene	7.174	53	120429	20.43	ug/L	93
28) 1,1-Dichloroethane	7.216	63	767646	108.86	ug/L	97
29) Acrylonitrile	7.301	53	1620746	500.87	ug/L	100
30) ETBE	7.581	59	1466677	114.30	ug/L	98
31) Vinyl acetate	7.606	43	6478653	511.41	ug/L	99
32) cis-1,2-Dichloroethene	8.025	96	480229	113.05	ug/L	98
33) 2,2-Dichloropropane	8.165	77	646123	114.62	ug/L	98
34) Bromochloromethane	8.293	128	212929	114.01	ug/L	94
35) Cyclohexane	8.293	56	877006	109.70	ug/L	95
36) Chloroform	8.378	83	734033	116.45	ug/L	97
37) Ethyl acetate	8.518	43	4363616	535.46	ug/L	99
38) Tetrahydrofuran	8.585	42	332369	98.19	ug/L	96
40) Carbon Tetrachloride	8.555	117	531855	111.18	ug/L	97
41) 1,1,1-Trichloroethane	8.634	97	664157	116.30	ug/L	99
42) 2-Butanone	8.749	43	2420969	518.66	ug/L	99
43) 1,1-Dichloropropene	8.780	75	614275	110.49	ug/L	95
44) tert-Butyl formate	8.901	59	2243981	653.14	ug/L	94
45) Propionitrile	9.090	54	1650638	1094.04	ug/L	90
46) Methacrylonitrile	9.108	41	5696706	1164.62	ug/L	99
47) Benzene	9.059	78	1952351	116.60	ug/L	96
48) TAME	9.169	73	1377145	114.58	ug/L	92
50) Isobutyl Alcohol	9.285	42	1029183	1843.56	ug/L	99
51) 1,2-Dichloroethane	9.285	62	627593	112.40	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:51:19 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

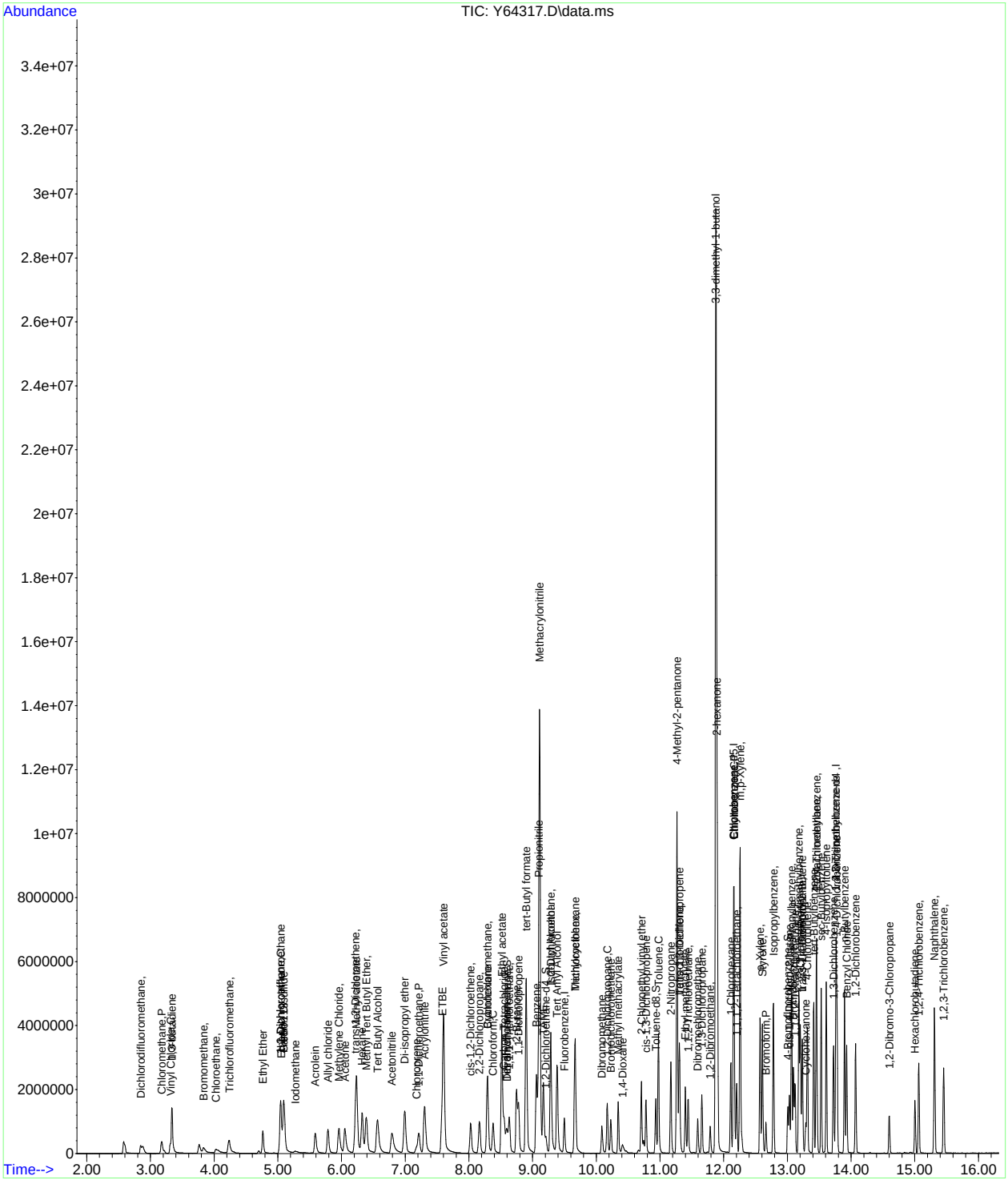
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Tert Amyl Alcohol	9.382	59	1544317m	991.27 ug/L		
53) Trichloroethene	9.674	95	475979	115.86 ug/L		98
54) Methylcyclohexane	9.662	83	889672	116.84 ug/L		95
55) Dibromomethane	10.088	93	268731	110.32 ug/L		95
56) 1,2-Dichloropropane	10.173	63	468344	105.03 ug/L		97
57) Bromodichloromethane	10.227	83	539243	107.96 ug/L		98
58) Methyl methacrylate	10.343	41	618601	97.16 ug/L		96
59) 1,4-Dioxane	10.410	88	243797	1861.39 ug/L		91
60) 2-Chloroethyl vinyl ether	10.708	63	717432	716.52 ug/L		95
61) cis-1,3-Dichloropropene	10.781	75	721957	107.88 ug/L		92
64) Toluene	10.976	91	2127221	106.74 ug/L		98
65) 2-Nitropropane	11.170	41	1258115	438.32 ug/L		98
66) 4-Methyl-2-pentanone	11.268	43	5193906	534.87 ug/L		98
67) trans-1,3-Dichloropropene	11.310	75	634386	99.77 ug/L	#	61
68) Tetrachloroethene	11.304	166	528254	105.02 ug/L		95
69) Ethyl methacrylate	11.396	69	810083	102.21 ug/L		92
70) 1,1,2-Trichloroethane	11.444	83	360198	108.88 ug/L		97
71) Dibromochloromethane	11.590	129	435129	99.23 ug/L		99
72) 1,3-Dichloropropane	11.657	76	790194	107.97 ug/L		94
73) 1,2-Dibromoethane	11.785	107	456896	102.87 ug/L		98
74) 3,3-dimethyl-1-butanol	11.876	57	11649896	5139.07 ug/L		93
75) 2-hexanone	11.900	43	6235648	517.86 ug/L		98
76) 1-Chlorohexane	12.113	91	708349	103.10 ug/L		89
77) Ethylbenzene	12.156	91	2523853	108.56 ug/L		96
78) Chlorobenzene	12.162	112	1339419	104.04 ug/L		95
79) 1,1,1,2-Tetrachloroethane	12.205	131	444535	96.95 ug/L		99
80) m,p-Xylene	12.259	91	4093944	230.00 ug/L		99
81) o-Xylene	12.570	91	1872224	107.36 ug/L		98
82) Styrene	12.606	104	1493815	99.54 ug/L		98
83) Bromoform	12.661	173	332822	97.10 ug/L		98
84) Isopropylbenzene	12.783	105	2384853	110.33 ug/L		97
87) cis-1,4-Dichloro-2-butene	13.032	53	260127	90.92 ug/L		92
88) n-Propylbenzene	13.062	91	2949571	103.70 ug/L		95
89) Bromobenzene	13.099	156	546818	100.41 ug/L		89
90) 1,1,2,2-Tetrachloroethane	13.117	83	784274	103.94 ug/L		98
91) 1,3,5-Trimethylbenzene	13.178	105	2045328	104.02 ug/L		97
92) 2-Chlorotoluene	13.202	91	1826486	97.68 ug/L		96
93) trans-1,4-Dichloro-2-B...	13.239	53	239652	80.69 ug/L	#	70
94) 1,2,3-Trichloropropane	13.233	110	260405	101.93 ug/L		96
95) Cyclohexanone	13.287	55	282071	380.48 ug/L		97
96) 4-Chlorotoluene	13.312	91	1674820	101.14 ug/L		98
97) tert-Butylbenzene	13.415	91	1107516	100.61 ug/L		96
98) 1,2,4-Trimethylbenzene	13.452	105	2040856	105.32 ug/L		95
99) Pentachloroethane	13.464	167	316869	102.44 ug/L		94
100) sec-Butylbenzene	13.531	105	2508321	104.80 ug/L		97
101) 4-Isopropyltoluene	13.610	119	2143977	102.69 ug/L		97
102) 1,3-Dichlorobenzene	13.725	146	1021522	98.83 ug/L		98
103) 1,2,3-Trimethylbenzene	13.762	105	2014191	104.91 ug/L		95
104) 1,4-Dichlorobenzene	13.780	146	1053648	96.72 ug/L		98
105) n-Butylbenzene	13.896	92	1092879	91.71 ug/L		96
106) Benzyl Chloride	13.932	126	373353	93.81 ug/L	#	93
107) 1,2-Dichlorobenzene	14.072	146	1014893	100.82 ug/L		97
108) 1,2-Dibromo-3-Chloropr...	14.595	75	211196	102.16 ug/L		97
109) Hexachlorobutadiene	15.003	225	231901	90.29 ug/L		98
110) 1,2,4-Trichlorobenzene	15.064	180	703583	105.83 ug/L		98
111) Naphthalene	15.307	128	2890912	101.44 ug/L		98
112) 1,2,3-Trichlorobenzene	15.453	180	680237	103.68 ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:51:19 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



SGS FA98468

Manual Integration Approval Summary

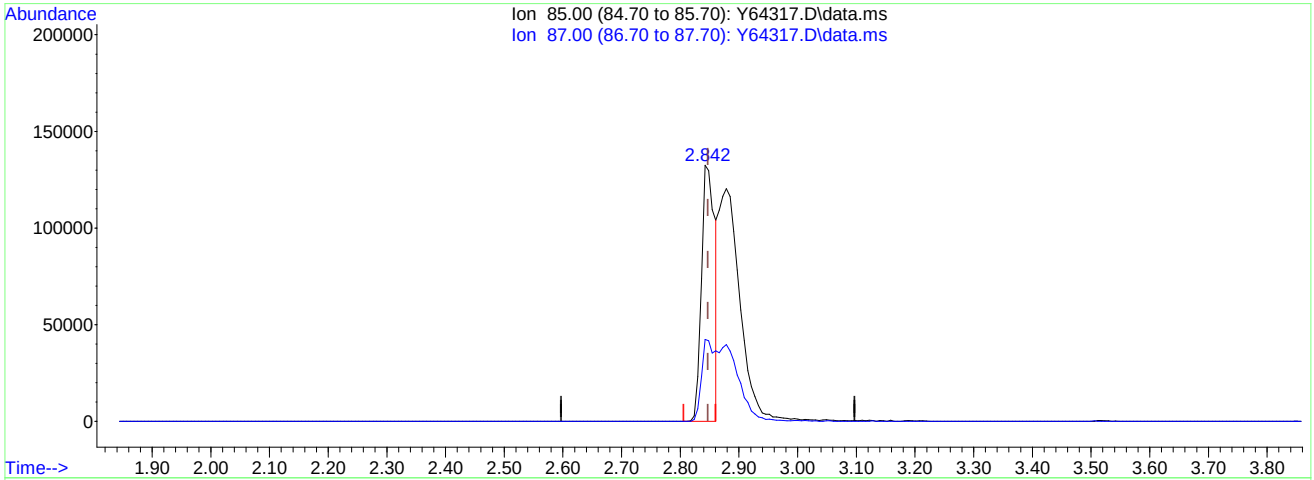
Sample Number: VY2666-IC2666
Lab FileID: Y64317.D
Injection Time: 08/29/22 15:33
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

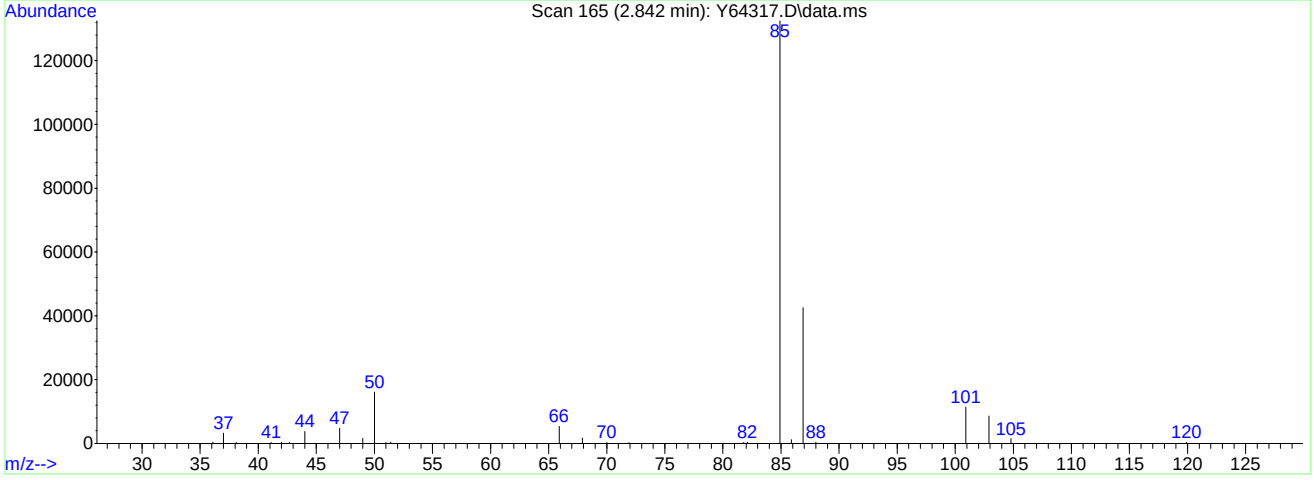
Parameter	CAS	Sig#	R.T. (min.)	Reason
Dichlorodifluoromethane	75-71-8		2.84	Split peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:33:53 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64317.D\data.ms

(2) Dichlorodifluoromethane ( )

2.842min (-0.005) 56.49ug/L

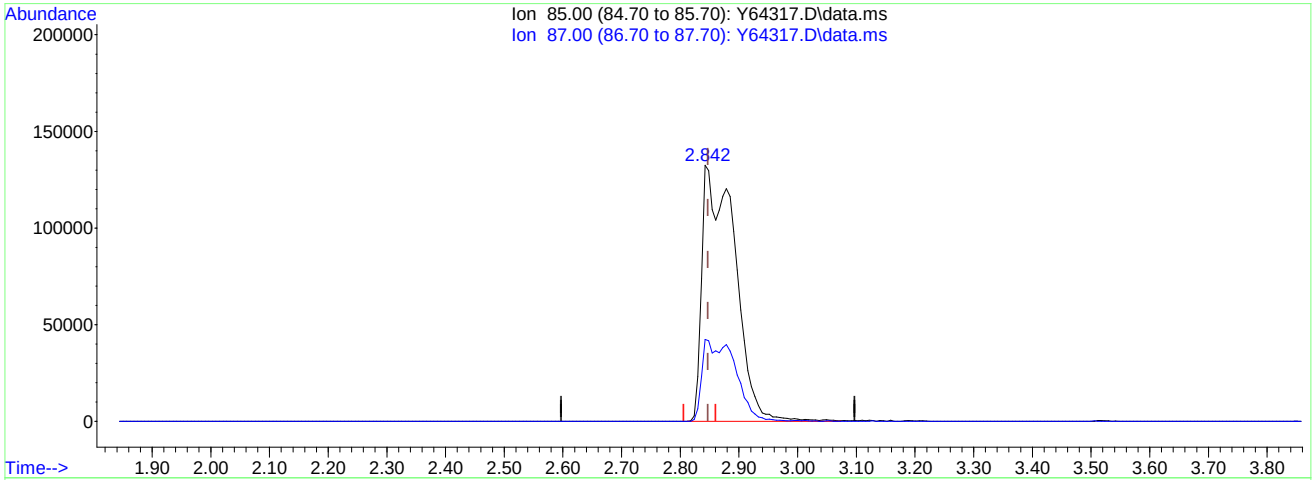
response 210284

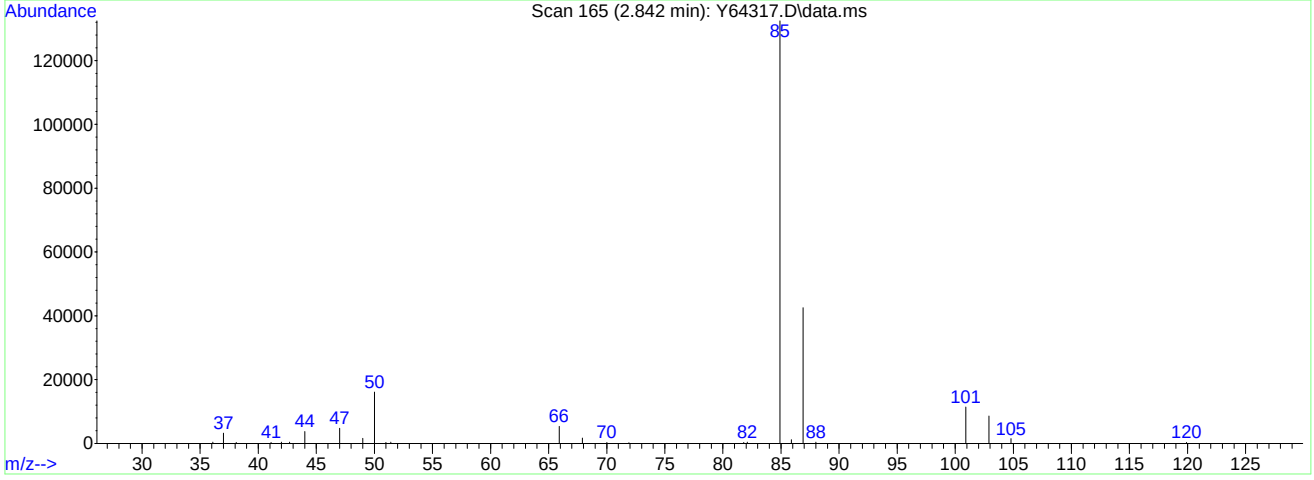
Ion	Exp%	Act%
85.00	100	100
87.00	34.10	32.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:33:53 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64317.D\data.ms

(2) Dichlorodifluoromethane ( )

2.842min (-0.005) 131.12ug/L m

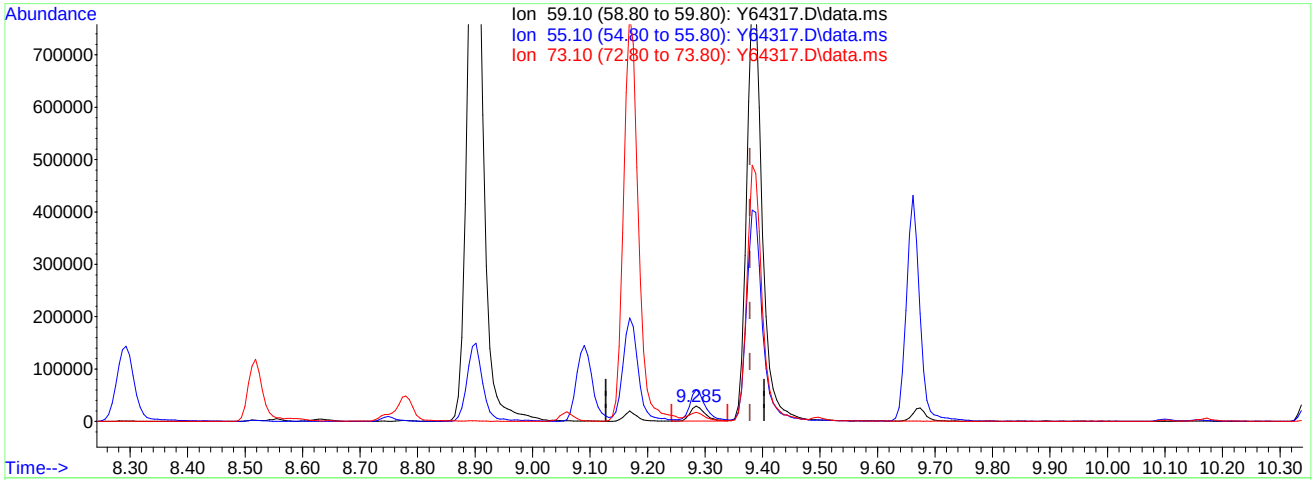
response 515920

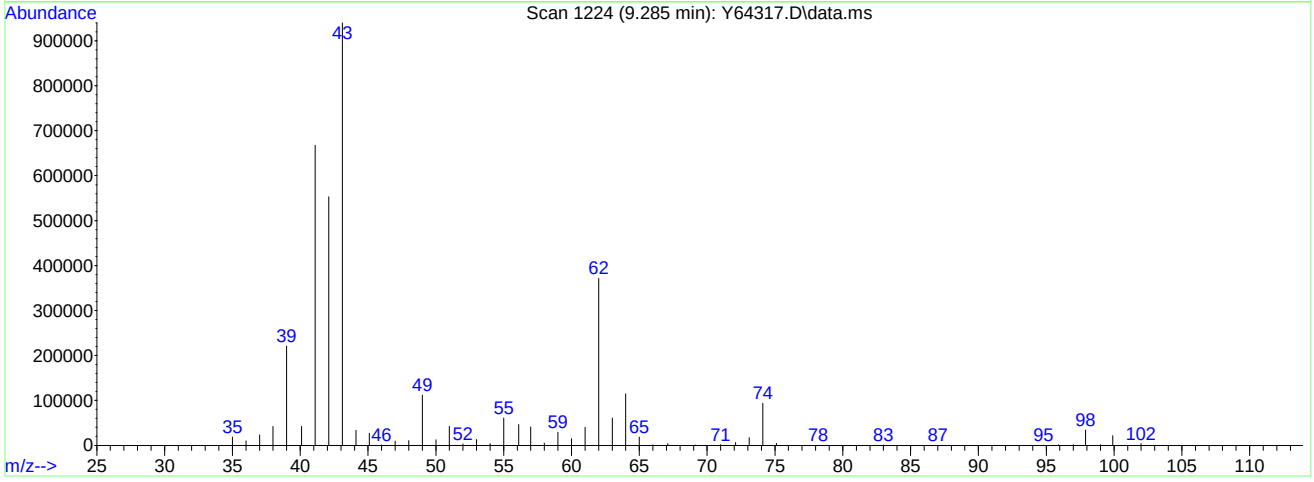
Ion	Exp%	Act%
85.00	100	100
87.00	34.10	32.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:33:53 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64317.D\data.ms

(52) Tert Amyl Alcohol

9.285min (-0.093) 47.90ug/L

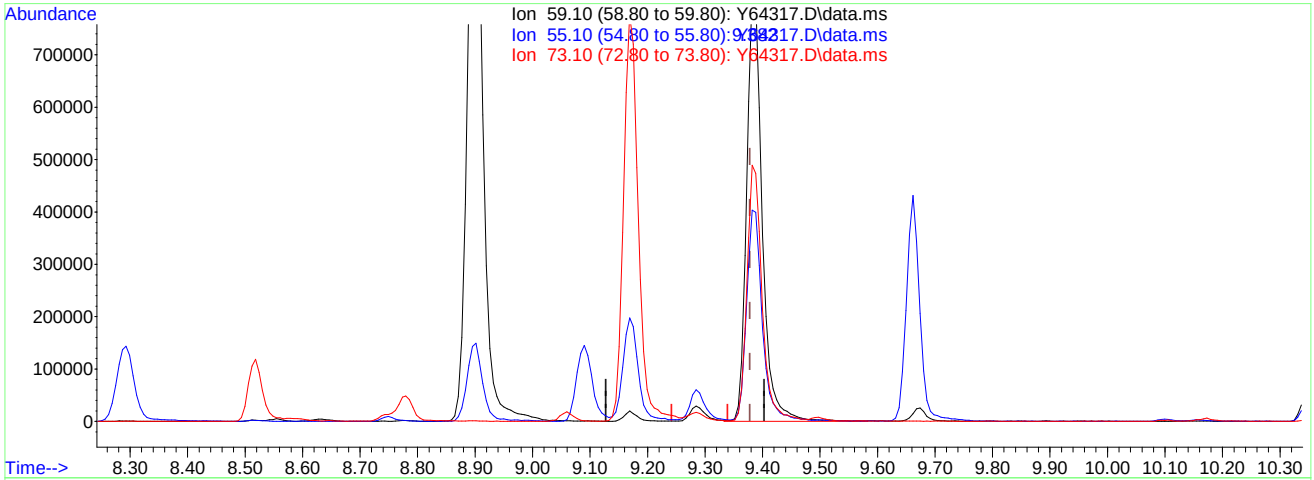
response 53043

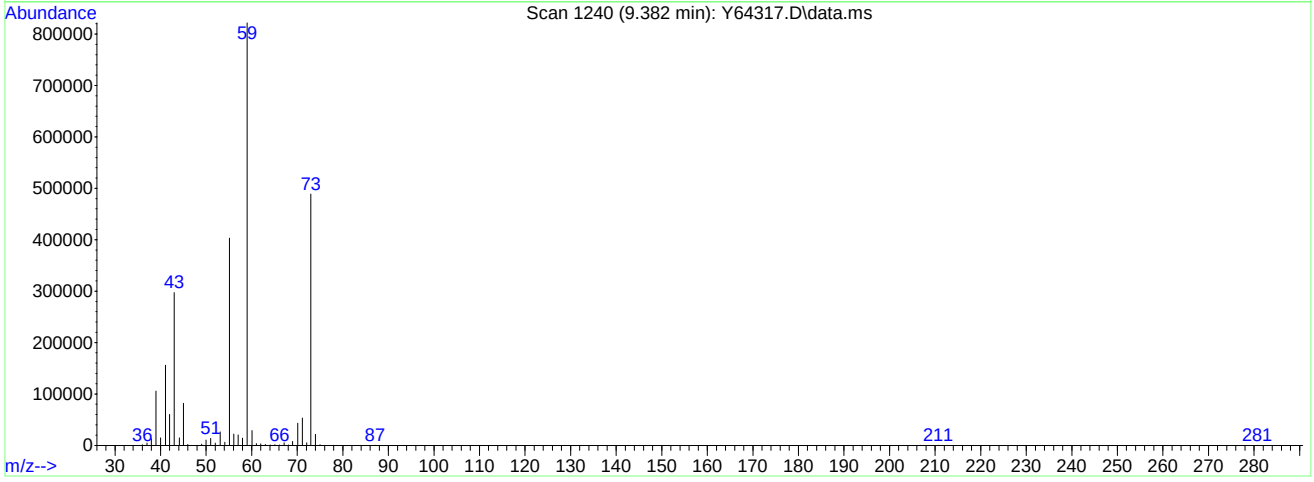
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	199.30#
73.10	53.50	54.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:33:53 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64317.D\data.ms

(52) Tert Amyl Alcohol

9.382min (+0.004) 991.27ug/L m

response 1544317

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	49.06
73.10	53.50	59.49
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:16:01 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	836695	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	687461	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	368912	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	193127	51.52	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.04%			
49) 1,2-Dichloroethane-d4	9.211	65	226133	49.39	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.78%			
63) Toluene-d8	10.933	98	850508	50.02	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.04%			
86) 4-Bromofluorobenzene	13.007	174	286479	51.15	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	162170	33.93	ug/L	98
3) Acrolein	5.585	56	233370	195.12	ug/L	100
4) Chloromethane	3.176	50	200522	38.48	ug/L	95
5) 1,3-butadiene	3.340	39	163547	34.42	ug/L	96
6) Vinyl Chloride	3.310	62	217645	37.36	ug/L	92
7) Bromomethane	3.833	94	57150	46.77	ug/L	97
8) Chloroethane	4.028	64	74597	37.44	ug/L	100
9) Trichlorofluoromethane	4.235	101	285914	46.54	ug/L	100
10) Ethyl Ether	4.758	59	150805	39.59	ug/L	97
11) Ethanol	5.038	45	102745	893.73	ug/L	100
12) 1,2-Dichlorotrifluoroe...	5.044	67	178187	42.30	ug/L	98
13) 1,1-Dichloroethene	5.044	61	232678	40.79	ug/L	98
14) Freon 113	5.105	101	142757	36.00	ug/L	97
15) Carbon Disulfide	5.093	76	373679	34.45	ug/L	98
16) Iodomethane	5.275	142	36008	36.26	ug/L	91
17) Allyl chloride	5.786	41	229974	42.32	ug/L	98
18) Methylene Chloride	5.956	49	232089	34.17	ug/L	99
19) Acetone	6.048	43	551995	224.35	ug/L	98
20) Methyl acetate	6.230	43	1247797	229.25	ug/L	99
21) trans-1,2-Dichloroethene	6.218	61	224575	39.48	ug/L	98
22) Hexane	6.327	56	126248	41.17	ug/L #	82
23) Methyl Tert Butyl Ether	6.382	73	624474	47.67	ug/L	93
24) Tert Butyl Alcohol	6.546	59	648196	447.49	ug/L	99
25) Acetonitrile	6.790	41	423588	386.61	ug/L	99
26) Di-isopropyl ether	6.984	45	553138	39.75	ug/L	96
27) Chloroprene	7.173	53	205366	159.04	ug/L	97
28) 1,1-Dichloroethane	7.216	63	301828	40.78	ug/L	97
29) Acrylonitrile	7.301	53	578907	196.10	ug/L	98
30) ETBE	7.581	59	533898	38.49	ug/L	98
31) Vinyl acetate	7.605	43	2261765	198.53	ug/L	99
32) cis-1,2-Dichloroethene	8.025	96	187139	39.69	ug/L	98
33) 2,2-Dichloropropane	8.165	77	235314	38.35	ug/L	98
34) Bromochloromethane	8.292	128	82203	37.35	ug/L	96
35) Cyclohexane	8.292	56	297624	36.49	ug/L	98
36) Chloroform	8.378	83	274034	37.12	ug/L	98
37) Ethyl acetate	8.518	43	1650735	195.44	ug/L	98
38) Tetrahydrofuran	8.584	42	142106	41.97	ug/L	97
40) Carbon Tetrachloride	8.554	117	194045	39.15	ug/L	97
41) 1,1,1-Trichloroethane	8.633	97	252297	39.08	ug/L	98
42) 2-Butanone	8.749	43	956255	214.02	ug/L	99
43) 1,1-Dichloropropene	8.779	75	222006	37.71	ug/L	96
44) tert-Butyl formate	8.895	59	732919	193.70	ug/L	98
45) Propionitrile	9.083	54	538588	383.16	ug/L	98
46) Methacrylonitrile	9.108	41	1663037	361.62	ug/L	98
47) Benzene	9.059	78	733670	38.33	ug/L	98
50) Isobutyl Alcohol	9.278	42	317873	805.55	ug/L	96
51) 1,2-Dichloroethane	9.278	62	237491	39.33	ug/L	97
52) Tert Amyl Alcohol	9.381	59	558522m	446.68	ug/L	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:16:01 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

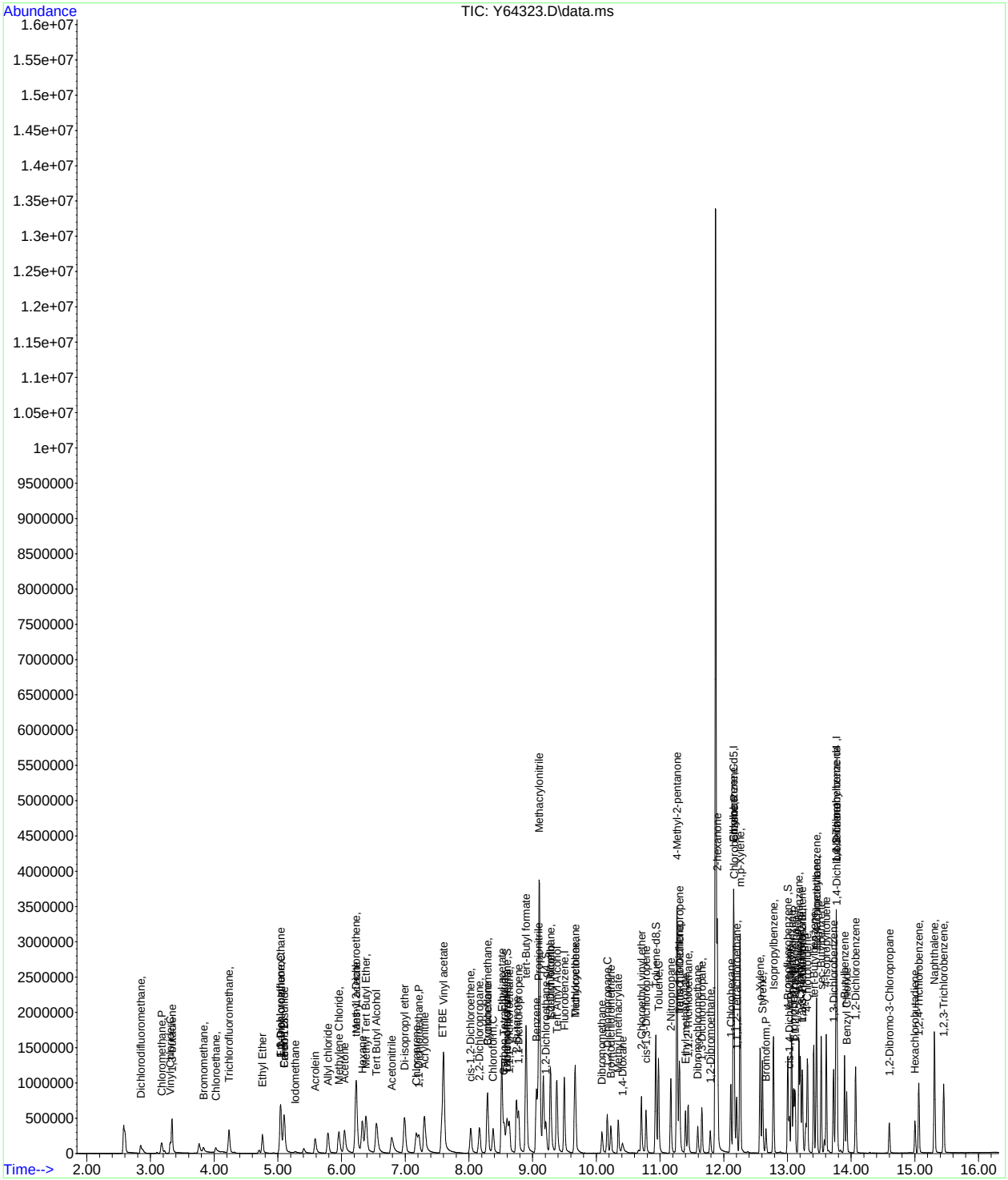
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) Trichloroethene	9.673	95	182320	39.33	ug/L		97
54) Methylcyclohexane	9.661	83	303625	37.49	ug/L		97
55) Dibromomethane	10.087	93	102448	39.14	ug/L		95
56) 1,2-Dichloropropane	10.172	63	170149	37.05	ug/L		97
57) Bromodichloromethane	10.227	83	199859	40.80	ug/L		99
58) Methyl methacrylate	10.343	41	198786	37.44	ug/L		97
59) 1,4-Dioxane	10.409	88	119122	1101.92	ug/L		99
60) 2-Chloroethyl vinyl ether	10.708	63	268772	203.98	ug/L		100
61) cis-1,3-Dichloropropene	10.781	75	265562	40.10	ug/L		97
64) Toluene	10.975	91	781191	37.17	ug/L		100
65) 2-Nitropropane	11.170	41	476692	228.28	ug/L		98
66) 4-Methyl-2-pentanone	11.267	43	1786804	205.23	ug/L		99
67) trans-1,3-Dichloropropene	11.310	75	261556	44.87	ug/L		86
68) Tetrachloroethene	11.304	166	194257	38.24	ug/L		97
69) Ethyl methacrylate	11.401	69	245923	35.07	ug/L		97
70) 1,1,2-Trichloroethane	11.444	83	143140	39.15	ug/L		95
71) Dibromochloromethane	11.590	129	159128	40.55	ug/L		98
72) 1,3-Dichloropropane	11.657	76	286859	35.95	ug/L		98
73) 1,2-Dibromoethane	11.790	107	175801	38.95	ug/L		97
75) 2-hexanone	11.900	43	1504738	199.08	ug/L		99
76) 1-Chlorohexane	12.113	91	247531	39.14	ug/L		97
77) Ethylbenzene	12.155	91	872784	37.69	ug/L		100
78) Chlorobenzene	12.168	112	482419	37.37	ug/L		86
79) 1,1,1,2-Tetrachloroethane	12.204	131	161489	39.41	ug/L		97
80) m,p-Xylene	12.259	91	1364692	76.27	ug/L		99
81) o-Xylene	12.569	91	669497	38.99	ug/L		98
82) Styrene	12.606	104	523438	41.81	ug/L		97
83) Bromoform	12.666	173	123282	44.55	ug/L		97
84) Isopropylbenzene	12.782	105	833317	38.15	ug/L		99
87) cis-1,4-Dichloro-2-butene	13.031	53	83094	38.84	ug/L	#	87
88) n-Propylbenzene	13.068	91	1002542	37.03	ug/L		100
89) Bromobenzene	13.098	156	200196	37.07	ug/L		89
90) 1,1,2,2-Tetrachloroethane	13.123	83	299546	39.78	ug/L		98
91) 1,3,5-Trimethylbenzene	13.177	105	665024	35.95	ug/L		98
92) 2-Chlorotoluene	13.202	91	636085	36.18	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.238	53	71993	36.23	ug/L	#	87
94) 1,2,3-Trichloropropane	13.232	110	93953	37.50	ug/L		96
96) 4-Chlorotoluene	13.311	91	578781	36.98	ug/L		100
97) tert-Butylbenzene	13.415	91	361833	35.50	ug/L		98
98) 1,2,4-Trimethylbenzene	13.457	105	671616	36.99	ug/L		100
99) Pentachloroethane	13.463	167	103283	36.56	ug/L		97
100) sec-Butylbenzene	13.530	105	805863	36.45	ug/L		98
101) 4-Isopropyltoluene	13.609	119	699782	37.67	ug/L		99
102) 1,3-Dichlorobenzene	13.725	146	366704	37.73	ug/L		99
103) 1,2,3-Trimethylbenzene	13.761	105	715594	38.98	ug/L		99
104) 1,4-Dichlorobenzene	13.780	146	381245	37.01	ug/L		99
105) n-Butylbenzene	13.895	92	304029	32.99	ug/L		99
106) Benzyl Chloride	13.932	126	98443	32.17	ug/L	#	92
107) 1,2-Dichlorobenzene	14.072	146	365021	38.41	ug/L		99
108) 1,2-Dibromo-3-Chloropr...	14.601	75	74185	42.30	ug/L		89
109) Hexachlorobutadiene	15.002	225	67100	36.57	ug/L		94
110) 1,2,4-Trichlorobenzene	15.063	180	247637	39.86	ug/L		96
111) Naphthalene	15.307	128	1114491	41.65	ug/L		100
112) 1,2,3-Trichlorobenzene	15.453	180	243702	39.13	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:16:01 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

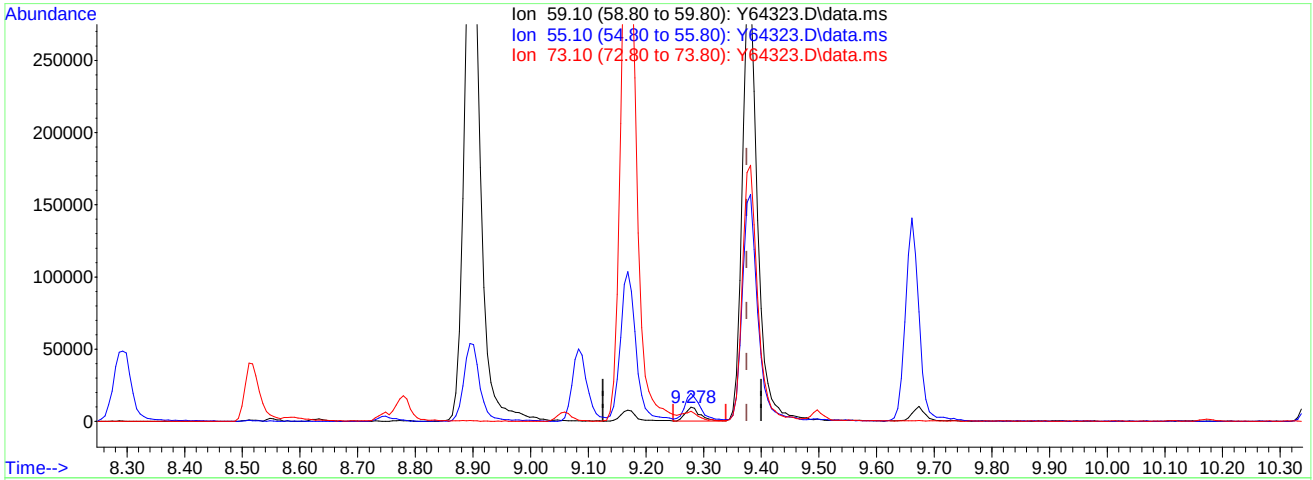
Sample Number: VY2666-ICV2666 **Method:** SW846 8260D
Lab FileID: Y64323.D **Analyst approved:** 08/30/22 15:26 Jo-Ann Lugo De Jesus
Injection Time: 08/30/22 11:36 **Supervisor approved:** 08/30/22 18:34 Shanica O'Connor

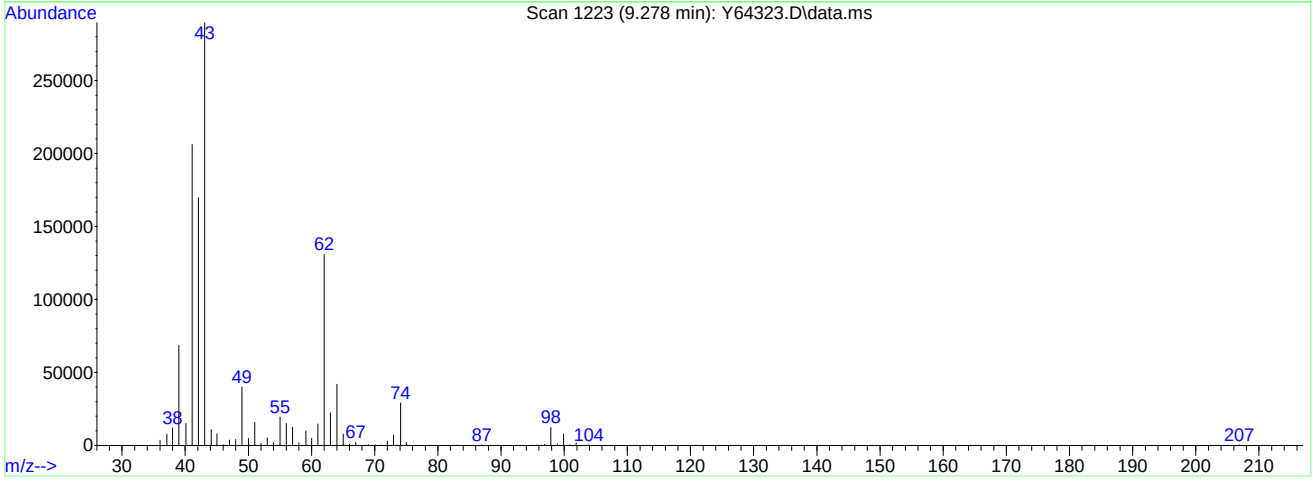
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:14:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64323.D\data.ms

(52) Tert Amyl Alcohol

9.278min (-0.097) 16.27ug/L

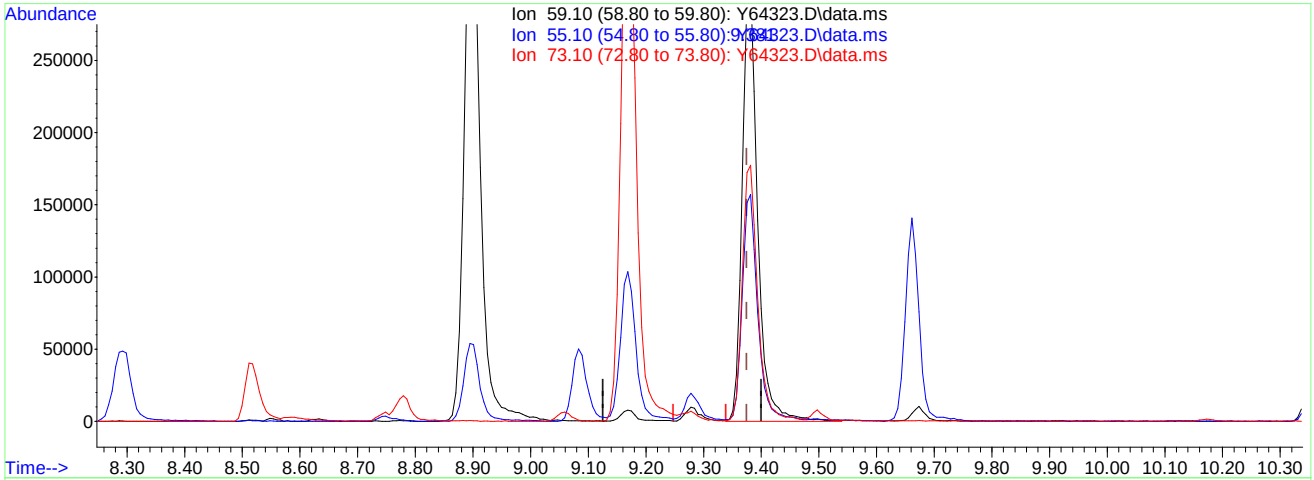
response 16712

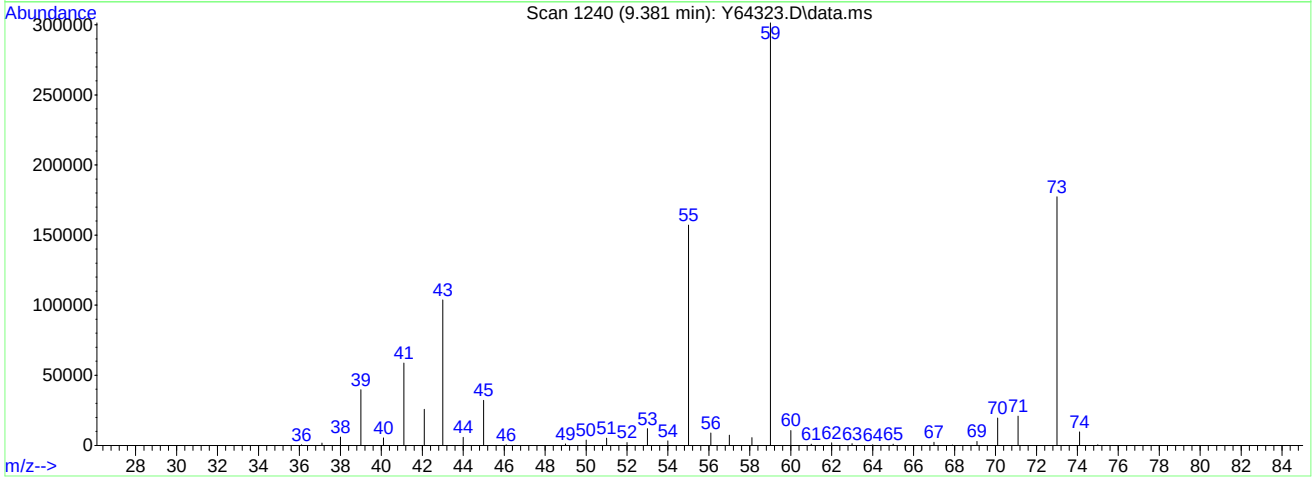
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	192.01#
73.10	59.00	66.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:14:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64323.D\data.ms

(52) Tert Amyl Alcohol

9.381min (+0.006) 446.68ug/L m

response 558522

Ion	Exp%	Act%
59.10	100	100
55.10	51.70	52.15
73.10	59.00	58.82
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64324.D
Acq On : 30 Aug 2022 12:01 pm
Operator : joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 15:17:59 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.498	96	845351	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	693443	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	364991	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	191772	50.63	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.26%			
49) 1,2-Dichloroethane-d4	9.206	65	231612	50.06	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.12%			
63) Toluene-d8	10.933	98	865691	50.47	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.94%			
86) 4-Bromofluorobenzene	13.008	174	286054	51.62	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.24%			
Target Compounds						Qvalue
48) TAME	9.169	73	403667	29.48	ug/L	99
74) 3,3-dimethyl-1-butanol	11.870	57	1958071m	1114.88	ug/L	
95) Cyclohexanone	13.288	55	64068	132.92	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

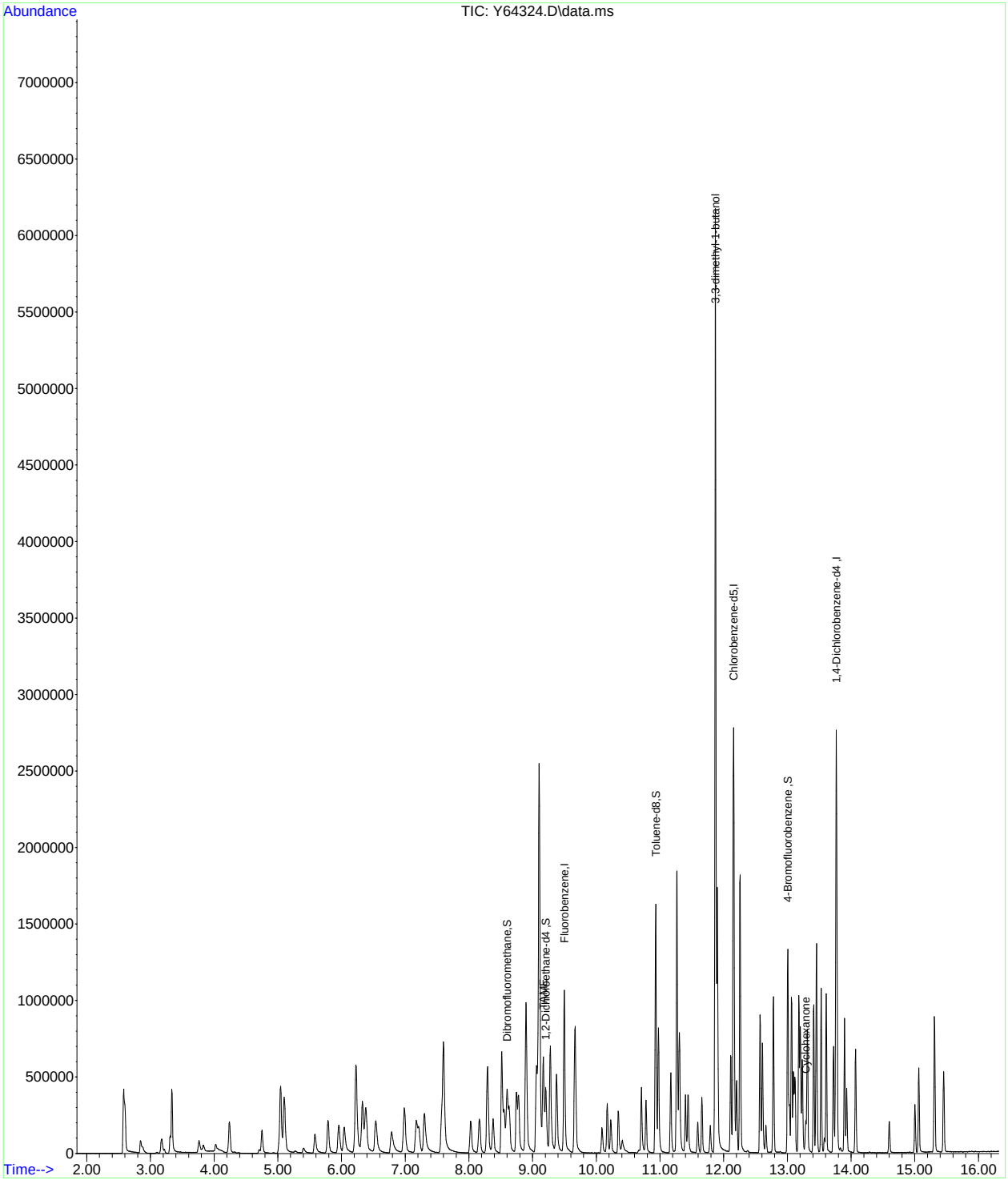
7.6.33

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64324.D
Acq On : 30 Aug 2022 12:01 pm
Operator : joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 15:17:59 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

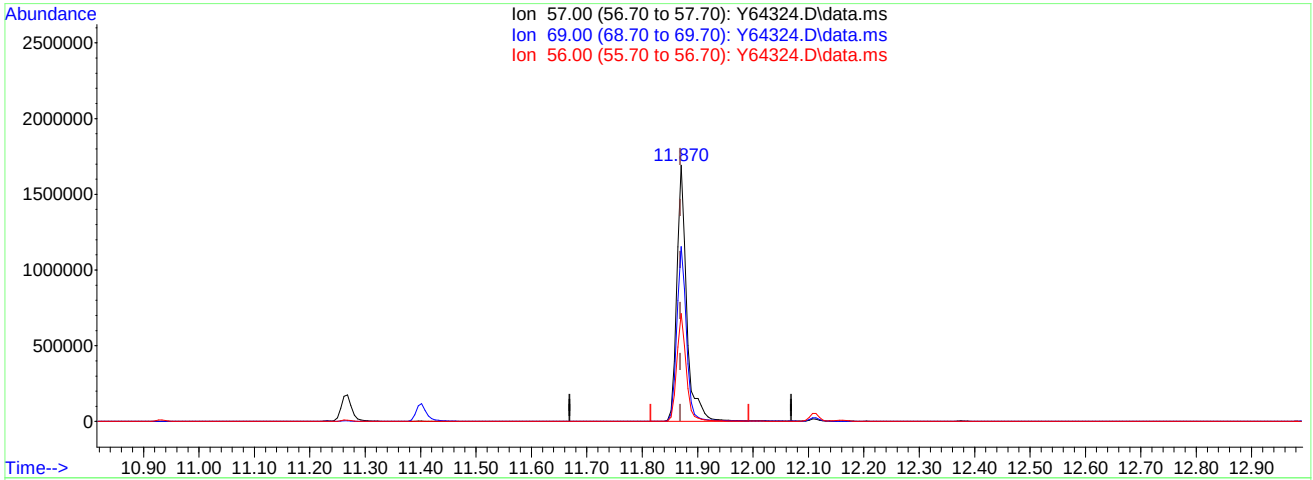
Sample Number:	VY2666-ICV2666	**Method:**	SW846 8260D
Lab FileID:	Y64324.D	**Analyst approved:**	08/30/22 15:26 Jo-Ann Lugo De Jesus
Injection Time:	08/30/22 12:01	**Supervisor approved:**	08/30/22 18:34 Shanica O'Connor

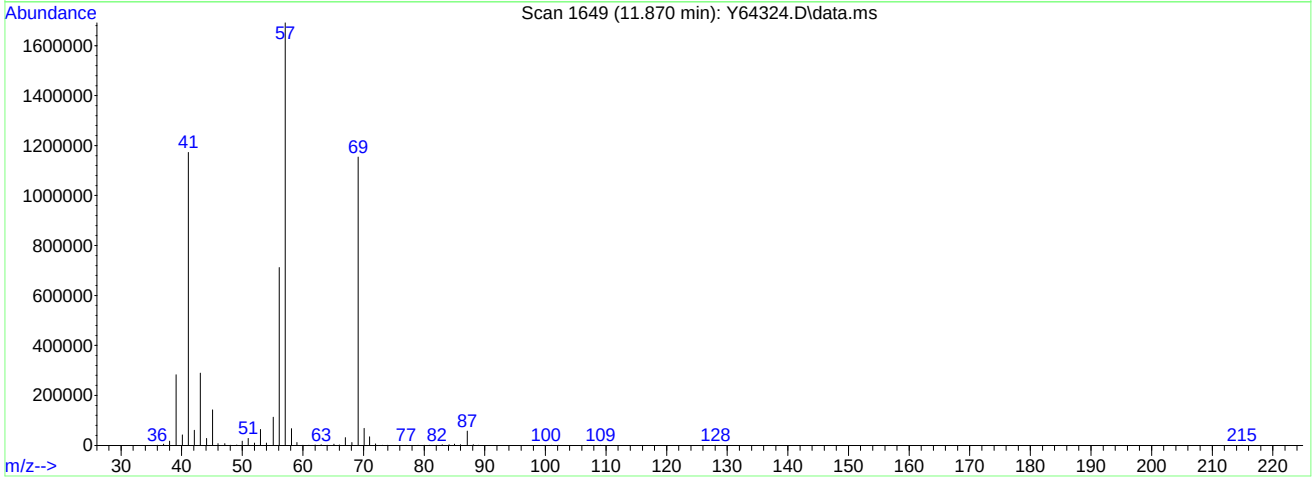
Parameter	CAS	Sig#	R.T. (min.)	Reason
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64324.D
Acq On : 30 Aug 2022 12:01 pm
Operator : joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 15:14:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64324.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (+0.001) 1197.09ug/L

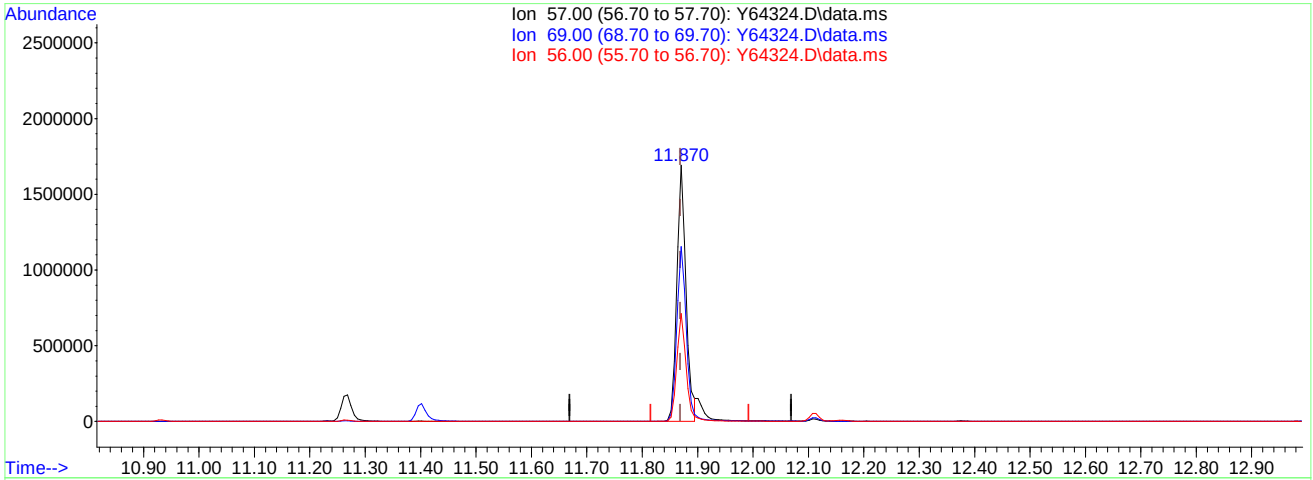
response 2117796

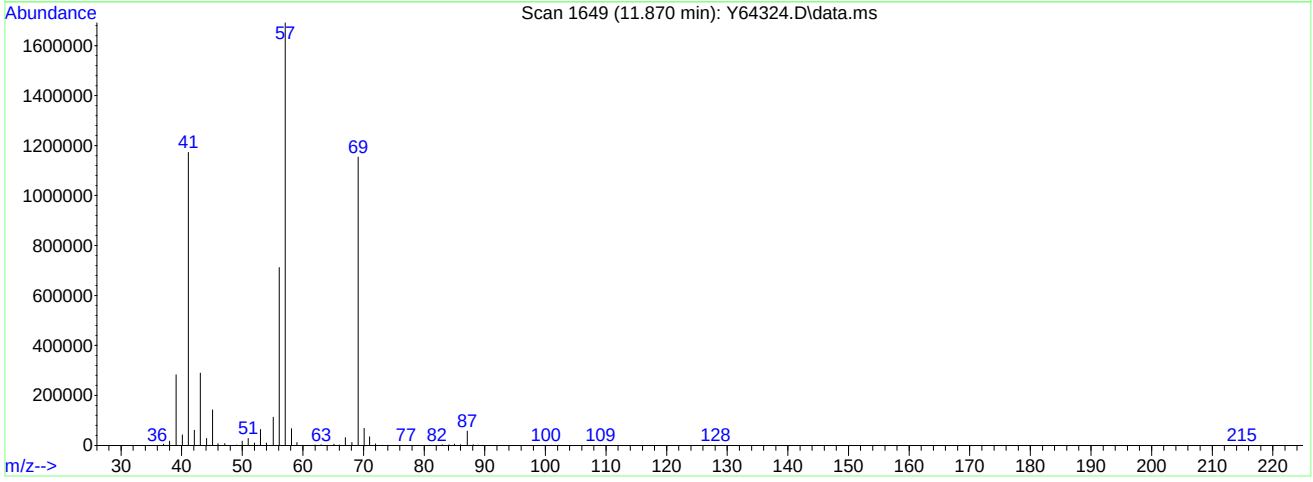
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	68.20
56.00	42.20	42.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64324.D
Acq On : 30 Aug 2022 12:01 pm
Operator : joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 15:14:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64324.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (+0.001) 1114.88ug/L m

response 1958071

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	68.22
56.00	42.20	42.10
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 16:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 02:05:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	593514	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	540662	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	277660	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.596	113	132844	49.96	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.92%			
49) 1,2-Dichloroethane-d4	9.205	65	158557	48.82	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.64%			
63) Toluene-d8	10.932	98	630830	47.17	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.34%			
86) 4-Bromofluorobenzene	13.007	174	195766	46.44	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.847	85	132127	38.82	ug/L	99
3) Acrolein	5.579	56	211872	243.56	ug/L	96
4) Chloromethane	3.176	50	161527	43.70	ug/L	96
5) 1,3-butadiene	3.340	39	129170	38.33	ug/L	92
6) Vinyl Chloride	3.310	62	175871	42.56	ug/L	94
7) Bromomethane	3.833	94	46485	52.25	ug/L	93
8) Chloroethane	4.027	64	77769	55.03	ug/L	97
9) Trichlorofluoromethane	4.247	101	193795	44.47	ug/L	97
10) Ethyl Ether	4.745	59	109281	40.44	ug/L	95
11) Ethanol	4.989	45	54886	714.75	ug/L	99
12) 1,2-Dichlorotrifluoroe...	5.037	67	135069	45.20	ug/L	96
13) 1,1-Dichloroethene	5.050	61	168558	41.66	ug/L	97
14) Freon 113	5.110	101	106296	37.79	ug/L	91
15) Carbon Disulfide	5.098	76	307515	39.97	ug/L	100
16) Iodomethane	5.275	142	37346	50.52	ug/L	78
17) Allyl chloride	5.786	41	175912	45.49	ug/L	98
18) Methylene Chloride	5.956	49	201495	41.83	ug/L	98
19) Acetone	6.035	43	380604	218.44	ug/L	95
20) Methyl acetate	6.224	43	887693	229.92	ug/L	99
21) trans-1,2-Dichloroethene	6.218	61	176357	43.70	ug/L	96
22) Hexane	6.327	56	87796m	40.36	ug/L	
23) Methyl Tert Butyl Ether	6.376	73	389537	41.92	ug/L	97
24) Tert Butyl Alcohol	6.528	59	426175	418.83	ug/L	96
25) Acetonitrile	6.777	41	355163	450.78	ug/L	96
26) Di-isopropyl ether	6.984	45	426489	43.20	ug/L	98
27) Chloroprene	7.173	53	35987	46.90	ug/L	94
28) 1,1-Dichloroethane	7.209	63	230485	43.90	ug/L	97
29) Acrylonitrile	7.294	53	462988	219.62	ug/L	96
30) ETBE	7.574	59	425254	43.22	ug/L	99
31) Vinyl acetate	7.598	43	1778221	218.27	ug/L	99
32) cis-1,2-Dichloroethene	8.030	96	145185	43.41	ug/L	98
33) 2,2-Dichloropropane	8.164	77	204874	47.07	ug/L	99
34) Bromochloromethane	8.286	128	62483	40.02	ug/L	89
35) Cyclohexane	8.292	56	248886	43.01	ug/L	98
36) Chloroform	8.377	83	228857	43.70	ug/L	98
37) Ethyl acetate	8.511	43	1303416	217.14	ug/L	99
38) Tetrahydrofuran	8.584	42	97893	40.76	ug/L	90
40) Carbon Tetrachloride	8.554	117	157116	44.69	ug/L	94
41) 1,1,1-Trichloroethane	8.633	97	203695	44.47	ug/L	97
42) 2-Butanone	8.742	43	685283	216.21	ug/L	99
43) 1,1-Dichloropropene	8.779	75	193208	46.26	ug/L	98
44) tert-Butyl formate	8.894	59	664584	247.60	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 02:05:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	9.077	54	456869	450.57	ug/L		93
46)	Methacrylonitrile	9.101	41	1533939	455.93	ug/L		100
47)	Benzene	9.059	78	601155	44.27	ug/L		98
48)	TAME	9.168	73	418290	43.51	ug/L		97
50)	Isobutyl Alcohol	9.271	42	254094	889.11	ug/L		96
51)	1,2-Dichloroethane	9.278	62	189776	44.30	ug/L		98
52)	Tert Amyl Alcohol	9.369	59	391980m	442.67	ug/L		
53)	Trichloroethene	9.673	95	148754	45.23	ug/L		96
54)	Methylcyclohexane	9.661	83	244868	42.62	ug/L		96
55)	Dibromomethane	10.087	93	84009	45.25	ug/L		84
56)	1,2-Dichloropropane	10.172	63	147105	45.15	ug/L		97
57)	Bromodichloromethane	10.227	83	162282	46.71	ug/L		97
58)	Methyl methacrylate	10.342	41	182386	47.22	ug/L		97
59)	1,4-Dioxane	10.409	88	55102	757.16	ug/L		95
60)	2-Chloroethyl vinyl ether	10.707	63	236505	249.85	ug/L		98
61)	cis-1,3-Dichloropropene	10.780	75	222415	46.92	ug/L		99
64)	Toluene	10.975	91	656156	39.70	ug/L		97
65)	2-Nitropropane	11.169	41	346920	211.24	ug/L		98
66)	4-Methyl-2-pentanone	11.261	43	1378192	201.64	ug/L		98
67)	trans-1,3-Dichloropropene	11.309	75	194549	42.53	ug/L		96
68)	Tetrachloroethene	11.303	166	141099	35.32	ug/L		93
69)	Ethyl methacrylate	11.401	69	242503	43.29	ug/L		98
70)	1,1,2-Trichloroethane	11.443	83	117630	40.91	ug/L		97
71)	Dibromochloromethane	11.589	129	123985	40.17	ug/L		98
72)	1,3-Dichloropropane	11.656	76	251257	40.04	ug/L		99
73)	1,2-Dibromoethane	11.790	107	142199	40.06	ug/L		97
74)	3,3-dimethyl-1-butanol	11.869	57	2704861m	1853.69	ug/L		
75)	2-hexanone	11.900	43	1110771	191.69	ug/L		99
76)	1-Chlorohexane	12.112	91	217952	43.82	ug/L		98
77)	Ethylbenzene	12.155	91	738016	40.52	ug/L		99
78)	Chlorobenzene	12.167	112	394522	38.86	ug/L		87
79)	1,1,1,2-Tetrachloroethane	12.204	131	126305	39.20	ug/L		96
80)	m,p-Xylene	12.258	91	1128447	80.19	ug/L		99
81)	o-Xylene	12.569	91	549399	40.68	ug/L		99
82)	Styrene	12.605	104	412579	41.91	ug/L		95
83)	Bromoform	12.666	173	78221	36.85	ug/L		95
84)	Isopropylbenzene	12.782	105	681392	39.67	ug/L		100
87)	cis-1,4-Dichloro-2-butene	13.031	53	77487	48.12	ug/L		99
88)	n-Propylbenzene	13.068	91	814413	39.97	ug/L		99
89)	Bromobenzene	13.098	156	149151	36.69	ug/L	#	81
90)	1,1,2,2-Tetrachloroethane	13.122	83	244941	43.22	ug/L		97
91)	1,3,5-Trimethylbenzene	13.177	105	548019	39.36	ug/L		99
92)	2-Chlorotoluene	13.201	91	525317	39.70	ug/L		98
93)	trans-1,4-Dichloro-2-B...	13.238	53	68014	45.48	ug/L		96
94)	1,2,3-Trichloropropane	13.232	110	79555	42.32	ug/L		97
95)	Cyclohexanone	13.287	55	71259	194.34	ug/L		96
96)	4-Chlorotoluene	13.311	91	476928	40.49	ug/L		97
97)	tert-Butylbenzene	13.414	91	295851	38.56	ug/L		98
98)	1,2,4-Trimethylbenzene	13.457	105	546230	39.97	ug/L		100
99)	Pentachloroethane	13.463	167	82140	38.57	ug/L		88
100)	sec-Butylbenzene	13.530	105	632685	38.02	ug/L		99
101)	4-Isopropyltoluene	13.609	119	533409	38.15	ug/L		97
102)	1,3-Dichlorobenzene	13.725	146	269494	36.84	ug/L		96
103)	1,2,3-Trimethylbenzene	13.761	105	563545	40.78	ug/L		99
104)	1,4-Dichlorobenzene	13.779	146	286598	36.96	ug/L		99
105)	n-Butylbenzene	13.895	92	268443	38.70	ug/L		96
106)	Benzyl Chloride	13.931	126	102056	43.19	ug/L	#	89
107)	1,2-Dichlorobenzene	14.071	146	271874	38.01	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 02:05:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

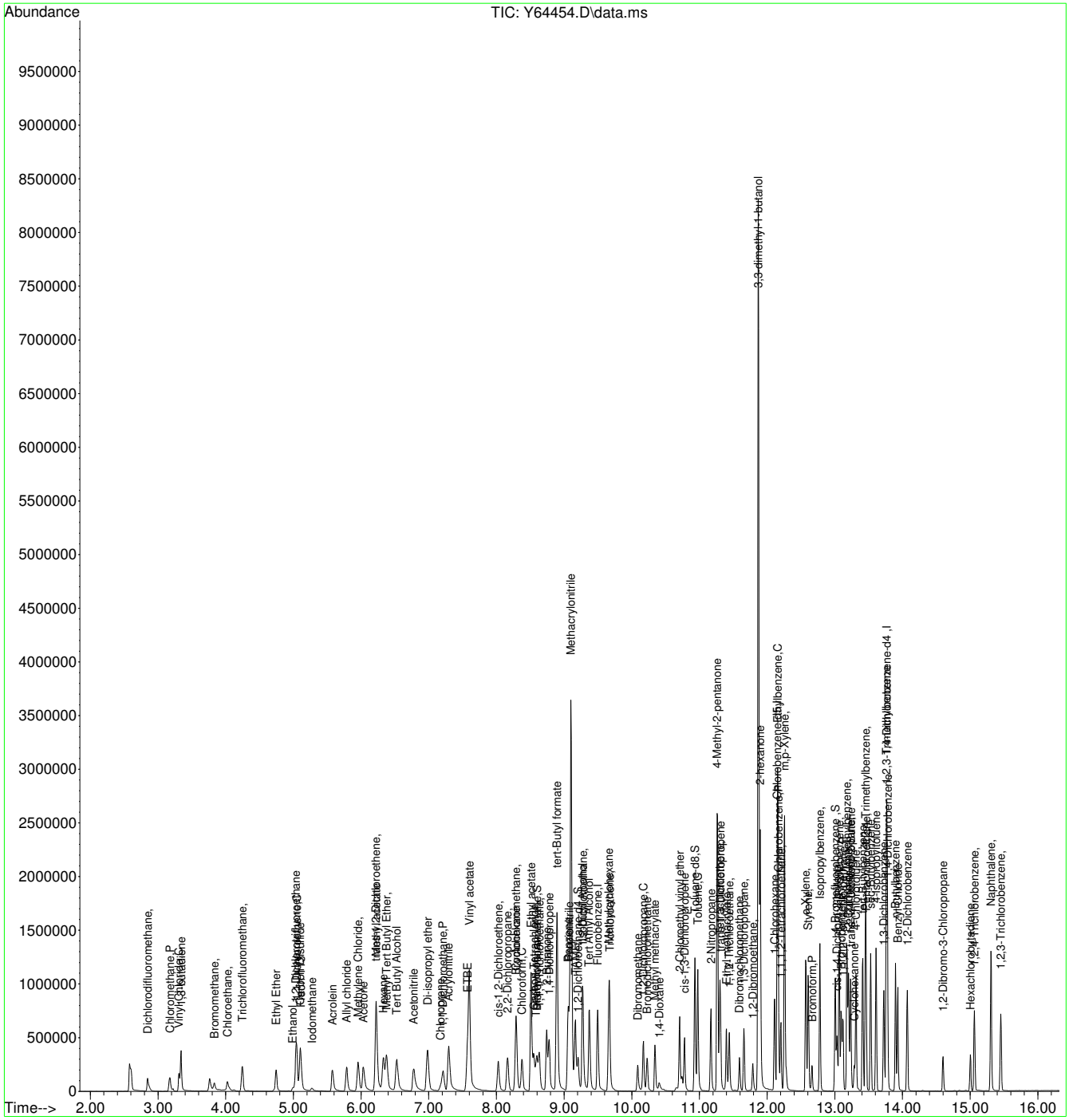
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.601	75	58965	44.67	ug/L	92
109) Hexachlorobutadiene	15.002	225	43061	31.65	ug/L	80
110) 1,2,4-Trichlorobenzene	15.063	180	166101	35.52	ug/L	94
111) Naphthalene	15.306	128	813598	40.40	ug/L	100
112) 1,2,3-Trichlorobenzene	15.452	180	164675	35.14	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 02:05:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



Manual Integration Approval Summary

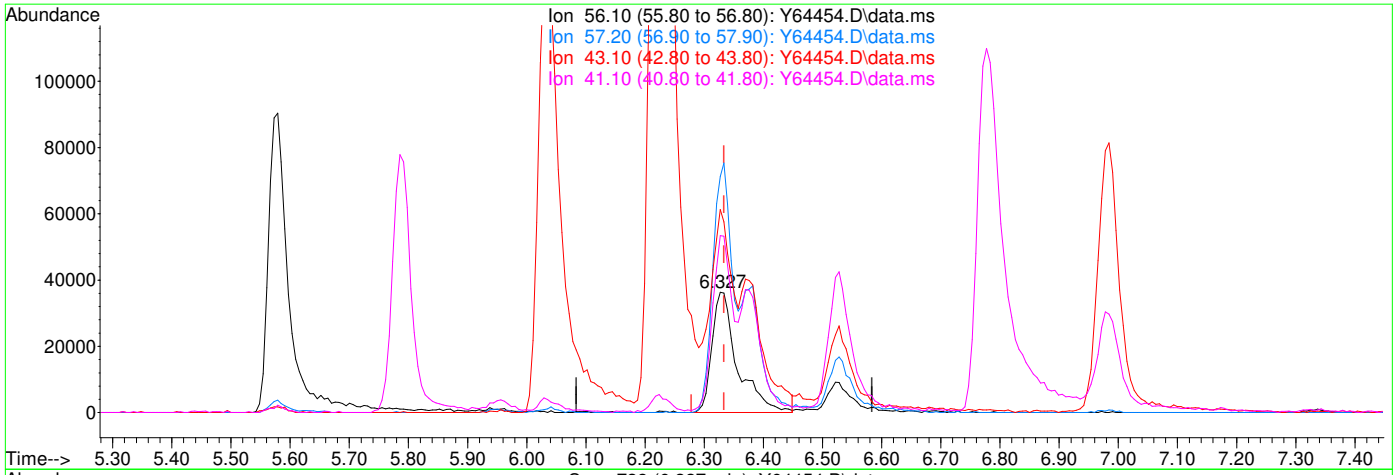
Sample Number: VY2672-CC2666
Lab FileID: Y64454.D
Injection Time: 09/03/22 10:28
Method: SW846 8260D
Analyst approved: 09/07/22 10:29 Adelard Lefebvre
Supervisor approved: 09/07/22 16:33 Karen Watson

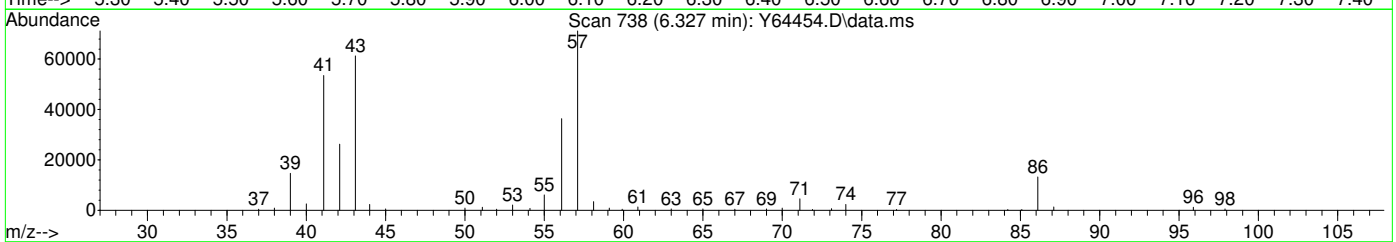
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.37	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

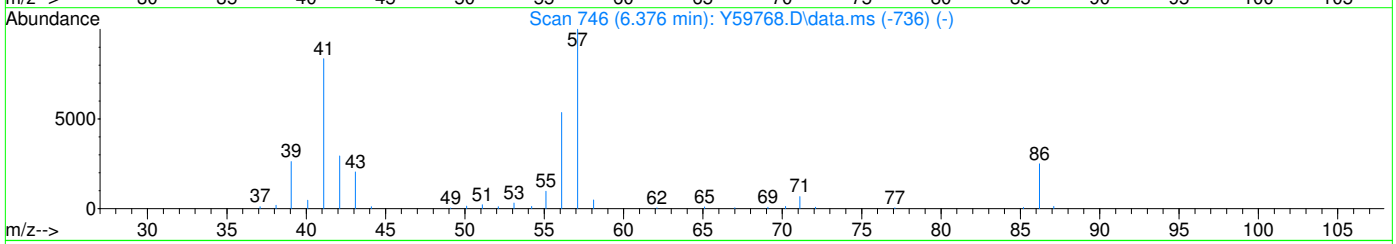
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-4
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 01:41:31 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64454.D\data.ms

(22) Hexane

6.327min (-0.006) 50.05ug/L

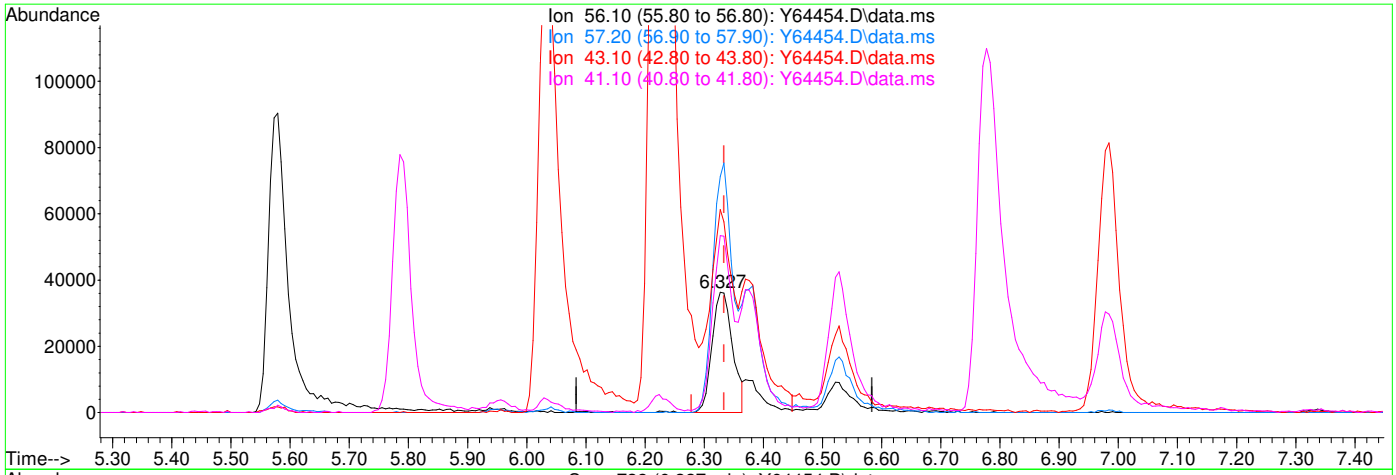
response 108870

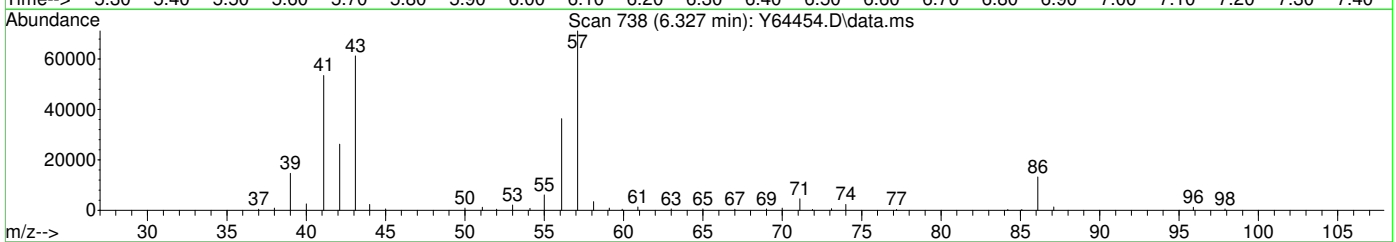
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	195.91
43.10	151.00	154.63
41.10	129.70	145.27

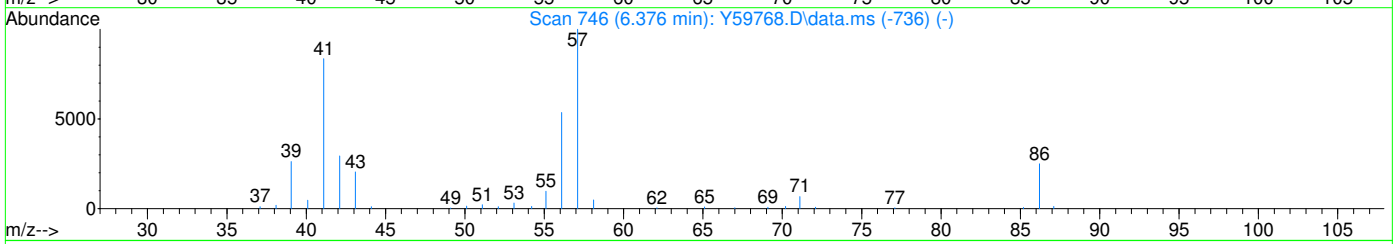
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-4
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 01:41:31 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64454.D\data.ms

(22) Hexane

6.327min (-0.006) 40.36ug/L m

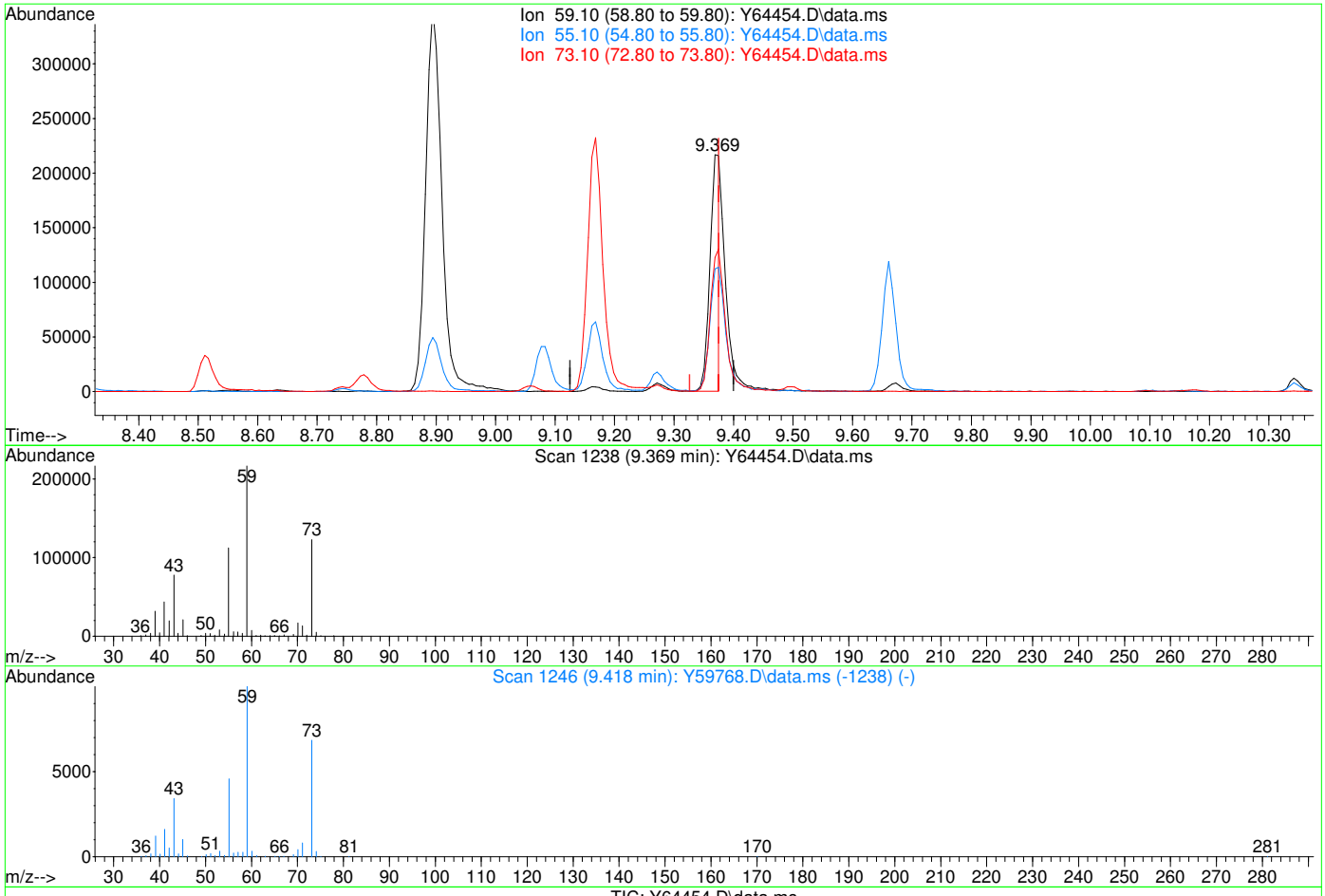
response 87796

Ion	Exp%	Act%
56.10	100	100
57.20	192.30	195.91
43.10	151.00	168.49
41.10	129.70	146.97

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-4
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 01:41:31 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



TIC: Y64454.D\data.ms

(52) Tert Amyl Alcohol

9.369min (-0.006) 296.91ug/L

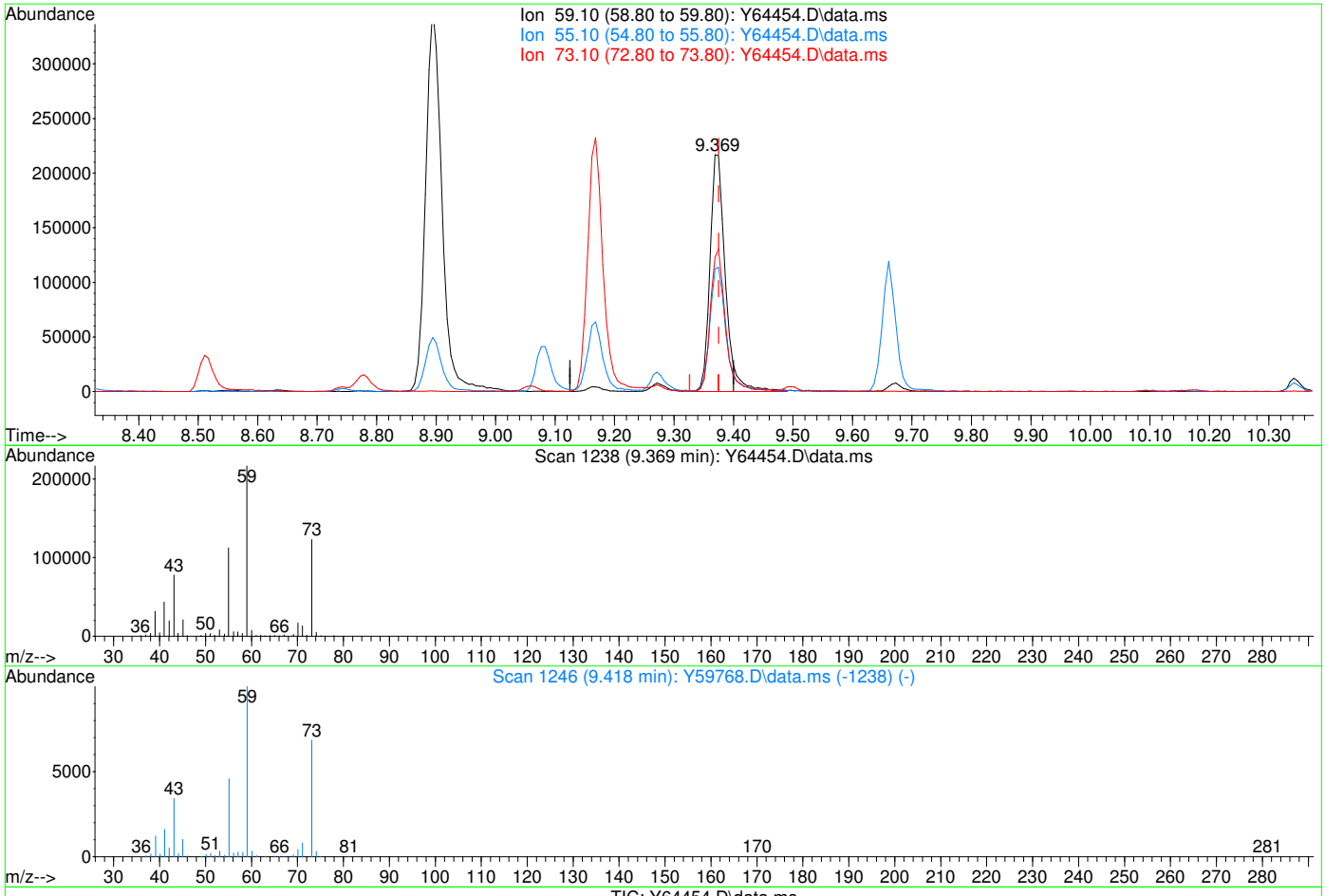
response 246986

Ion	Exp%	Act%
59.10	100	100
55.10	51.70	51.68
73.10	59.00	56.58
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-4
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 01:41:31 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



TIC: Y64454.D\data.ms

(52) Tert Amyl Alcohol

9.369min (-0.006) 442.67ug/L m

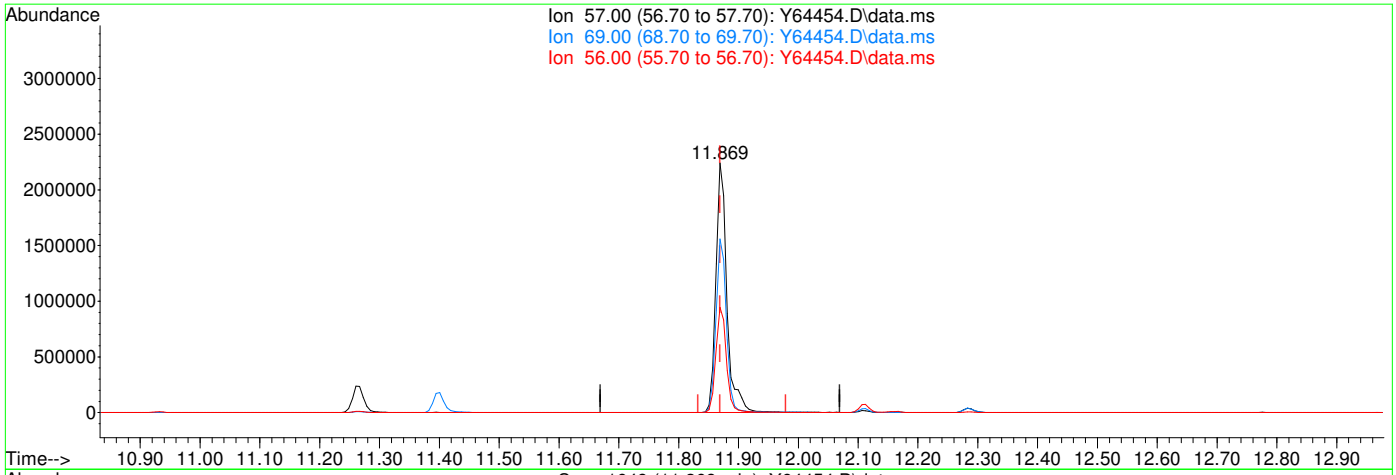
response 391980

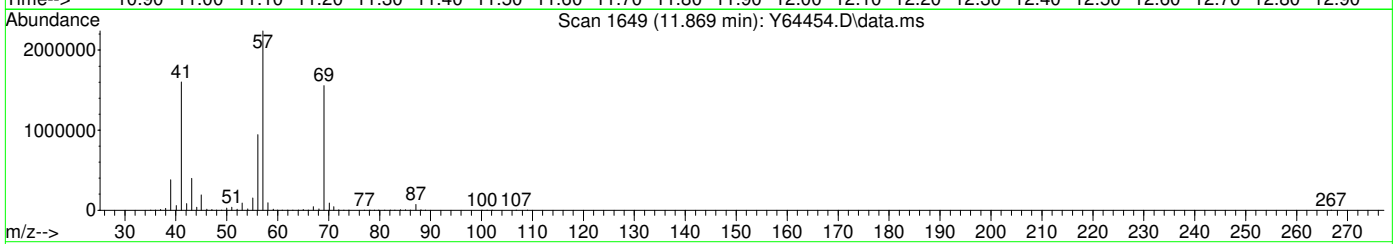
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	51.77
73.10	59.00	56.63
0.00	0.00	0.00

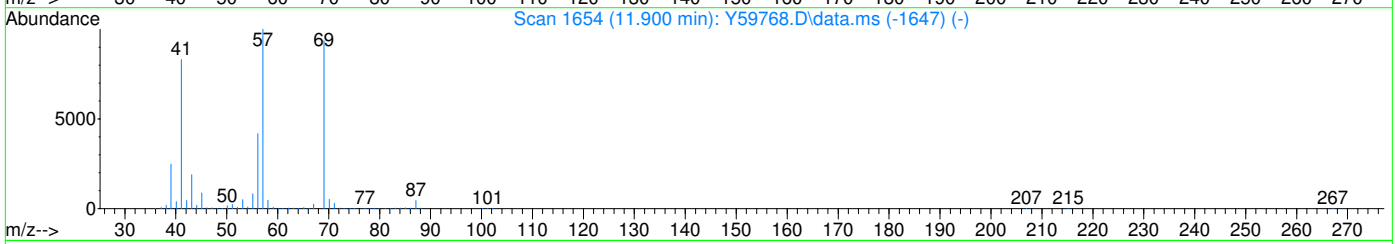
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-4
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 01:41:31 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64454.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (+0.000) 1963.91ug/L

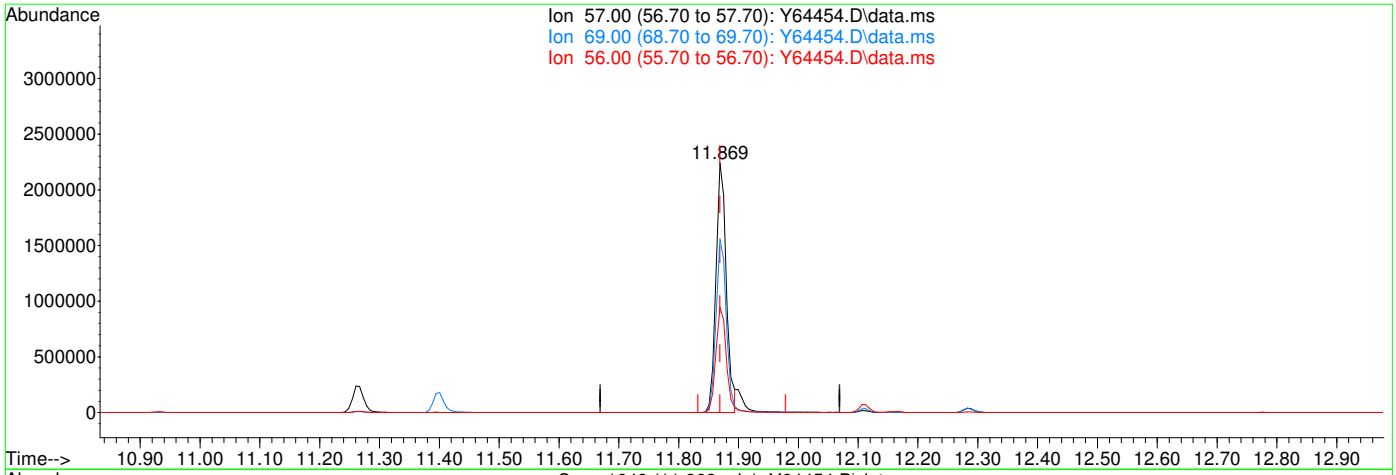
response 2892024

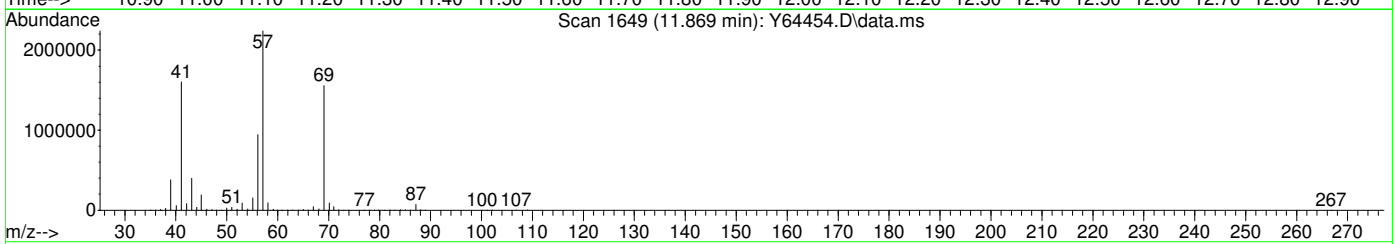
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	69.47
56.00	42.20	42.14
0.00	0.00	0.00

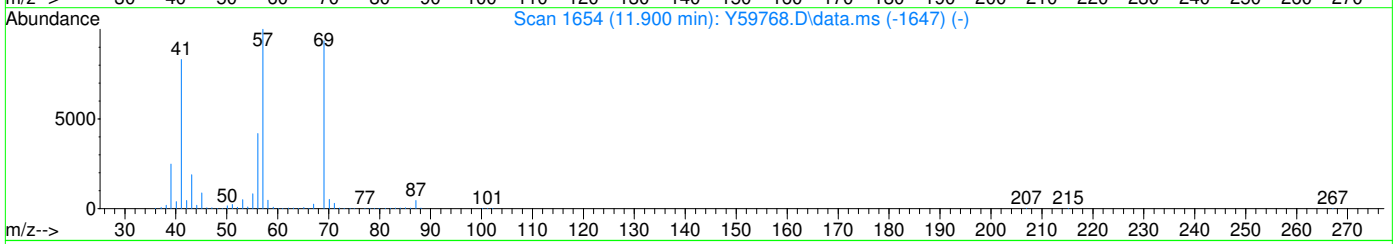
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-4
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 01:41:31 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64454.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (+0.000) 1853.69ug/L m

response 2704861

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	69.48
56.00	42.20	42.14
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 16:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64481.D
Acq On : 3 Sep 2022 9:33 pm
Operator : adelardl
Sample : ECC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 05 02:26:38 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	9.499	96	547950	50.00	ug/L		0.00
62) Chlorobenzene-d5	12.152	117	509611	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.770	152	259278	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.605	113	123660	50.37	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.74%				
49) 1,2-Dichloroethane-d4	9.207	65	151310	50.46	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.92%				
63) Toluene-d8	10.935	98	597447	47.40	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.80%				
86) 4-Bromofluorobenzene	13.009	174	177170	45.01	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 90.02%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.844	85	116934	37.26	ug/L		98
3) Acrolein	5.581	56	180047	226.19	ug/L		98
4) Chloromethane	3.178	50	153131	44.87	ug/L		96
5) 1,3-butadiene	3.337	39	154952	49.80	ug/L		95
6) Vinyl Chloride	3.312	62	154777	40.57	ug/L		93
7) Bromomethane	3.829	94	21101	28.87	ug/L		89
8) Chloroethane	4.024	64	71460	54.77	ug/L		99
9) Trichlorofluoromethane	4.237	101	179126	44.52	ug/L		96
10) Ethyl Ether	4.748	59	107145	42.95	ug/L		91
11) Ethanol	5.004	45	87508	1091.81	ug/L		97
12) 1,2-Dichlorotrifluoroe...	5.040	67	124458	45.12	ug/L		95
13) 1,1-Dichloroethene	5.046	61	157125	42.06	ug/L		97
14) Freon 113	5.107	101	91089	35.08	ug/L		93
15) Carbon Disulfide	5.101	76	277356	39.05	ug/L		98
16) Iodomethane	5.271	142	14583	23.47	ug/L		81
17) Allyl chloride	5.788	41	162418	45.49	ug/L		99
18) Methylene Chloride	5.959	49	208055	46.78	ug/L		97
19) Acetone	6.038	43	372584	230.81	ug/L		97
20) Methyl acetate	6.226	43	879076	246.62	ug/L		100
21) trans-1,2-Dichloroethene	6.214	61	167667	45.01	ug/L		95
22) Hexane	6.330	56	72269	35.99	ug/L	#	79
23) Methyl Tert Butyl Ether	6.378	73	367977	42.89	ug/L		91
24) Tert Butyl Alcohol	6.537	59	461994	481.47	ug/L		98
25) Acetonitrile	6.786	41	363654	495.29	ug/L		93
26) Di-isopropyl ether	6.987	45	420299	46.11	ug/L		97
27) Chloroprene	7.175	53	32931	46.51	ug/L		96
28) 1,1-Dichloroethane	7.212	63	223306	46.06	ug/L		99
29) Acrylonitrile	7.297	53	443207	227.23	ug/L		98
30) ETBE	7.577	59	414508	45.63	ug/L		99
31) Vinyl acetate	7.601	43	1627532	216.54	ug/L		98
32) cis-1,2-Dichloroethene	8.027	96	137426	44.50	ug/L		97
33) 2,2-Dichloropropane	8.167	77	162427	40.42	ug/L		95
34) Bromochloromethane	8.289	128	57058	39.58	ug/L	#	85
35) Cyclohexane	8.295	56	225885	42.28	ug/L		99
36) Chloroform	8.380	83	225283	46.60	ug/L		97
37) Ethyl acetate	8.514	43	1235897	222.90	ug/L		99
38) Tetrahydrofuran	8.587	42	95671	43.14	ug/L		95
40) Carbon Tetrachloride	8.556	117	133330	41.08	ug/L		97
41) 1,1,1-Trichloroethane	8.635	97	182865	43.25	ug/L		97
42) 2-Butanone	8.745	43	660514	225.73	ug/L		100
43) 1,1-Dichloropropene	8.781	75	177665	46.08	ug/L		95
44) tert-Butyl formate	8.897	59	600946	242.51	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64481.D
Acq On : 3 Sep 2022 9:33 pm
Operator : adelardl
Sample : ECC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 05 02:26:38 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	9.079	54	454809	482.09	ug/L		95
46)	Methacrylonitrile	9.104	41	1431031	460.09	ug/L		99
47)	Benzene	9.061	78	569050	45.39	ug/L		98
48)	TAME	9.171	73	397851	44.83	ug/L		98
50)	Isobutyl Alcohol	9.274	42	275346	1012.80	ug/L		97
51)	1,2-Dichloroethane	9.280	62	181838	45.98	ug/L		98
52)	Tert Amyl Alcohol	9.378	59	407845m	489.39	ug/L		
53)	Trichloroethene	9.676	95	140319	46.21	ug/L		94
54)	Methylcyclohexane	9.663	83	223861	42.21	ug/L		98
55)	Dibromomethane	10.089	93	79922	46.62	ug/L		87
56)	1,2-Dichloropropane	10.168	63	142345	47.33	ug/L		97
57)	Bromodichloromethane	10.229	83	152282	47.47	ug/L		97
58)	Methyl methacrylate	10.345	41	173230	48.43	ug/L		98
59)	1,4-Dioxane	10.406	88	77807	1099.42	ug/L		98
60)	2-Chloroethyl vinyl ether	10.710	63	231704	264.10	ug/L		99
61)	cis-1,3-Dichloropropene	10.777	75	201088	46.01	ug/L		99
64)	Toluene	10.977	91	628038	40.31	ug/L		97
65)	2-Nitropropane	11.172	41	325259	210.12	ug/L		99
66)	4-Methyl-2-pentanone	11.263	43	1318305	204.35	ug/L		97
67)	trans-1,3-Dichloropropene	11.312	75	172336	40.07	ug/L		85
68)	Tetrachloroethene	11.300	166	131147	34.83	ug/L		90
69)	Ethyl methacrylate	11.397	69	223351	42.37	ug/L		93
70)	1,1,2-Trichloroethane	11.440	83	108284	39.96	ug/L		97
71)	Dibromochloromethane	11.592	129	109830	37.76	ug/L		99
72)	1,3-Dichloropropane	11.659	76	241819	40.88	ug/L		100
73)	1,2-Dibromoethane	11.787	107	130544	39.02	ug/L		95
74)	3,3-dimethyl-1-butanol	11.872	57	2791555m	2004.48	ug/L		
75)	2-hexanone	11.896	43	1052060	192.25	ug/L		98
76)	1-Chlorohexane	12.109	91	197181	42.06	ug/L		89
77)	Ethylbenzene	12.158	91	698204	40.67	ug/L		98
78)	Chlorobenzene	12.164	112	370748	38.75	ug/L		95
79)	1,1,1,2-Tetrachloroethane	12.200	131	112623	37.08	ug/L		96
80)	m,p-Xylene	12.255	91	1077401	81.23	ug/L		100
81)	o-Xylene	12.571	91	525670	41.29	ug/L		100
82)	Styrene	12.608	104	382552	41.22	ug/L		95
83)	Bromoform	12.663	173	64164	32.54	ug/L		92
84)	Isopropylbenzene	12.778	105	653673	40.37	ug/L		97
87)	cis-1,4-Dichloro-2-butene	13.028	53	32583	21.67	ug/L	#	86
88)	n-Propylbenzene	13.064	91	818502	43.01	ug/L		93
89)	Bromobenzene	13.095	156	133014	35.04	ug/L	#	61
90)	1,1,2,2-Tetrachloroethane	13.119	83	223110	42.15	ug/L		99
91)	1,3,5-Trimethylbenzene	13.180	105	542977	41.77	ug/L		99
92)	2-Chlorotoluene	13.204	91	515236	41.69	ug/L		98
93)	trans-1,4-Dichloro-2-B...	13.234	53	32213	23.07	ug/L	#	1
94)	1,2,3-Trichloropropane	13.234	110	73509	41.86	ug/L		96
95)	Cyclohexanone	13.289	55	82377	240.58	ug/L		96
96)	4-Chlorotoluene	13.314	91	462639	42.06	ug/L		99
97)	tert-Butylbenzene	13.411	91	302367	42.21	ug/L		94
98)	1,2,4-Trimethylbenzene	13.453	105	527714	41.35	ug/L		95
99)	Pentachloroethane	13.460	167	62093	31.41	ug/L	#	60
100)	sec-Butylbenzene	13.533	105	665042	42.80	ug/L		99
101)	4-Isopropyltoluene	13.612	119	539638	41.34	ug/L		99
102)	1,3-Dichlorobenzene	13.721	146	244105	35.74	ug/L		93
103)	1,2,3-Trimethylbenzene	13.764	105	532309	41.25	ug/L		100
104)	1,4-Dichlorobenzene	13.782	146	262735	36.29	ug/L		98
105)	n-Butylbenzene	13.898	92	284259	43.88	ug/L		95
106)	Benzyl Chloride	13.934	126	69995	32.52	ug/L	#	87
107)	1,2-Dichlorobenzene	14.074	146	242414	36.29	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64481.D
Acq On : 3 Sep 2022 9:33 pm
Operator : adelardl
Sample : ECC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 05 02:26:38 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

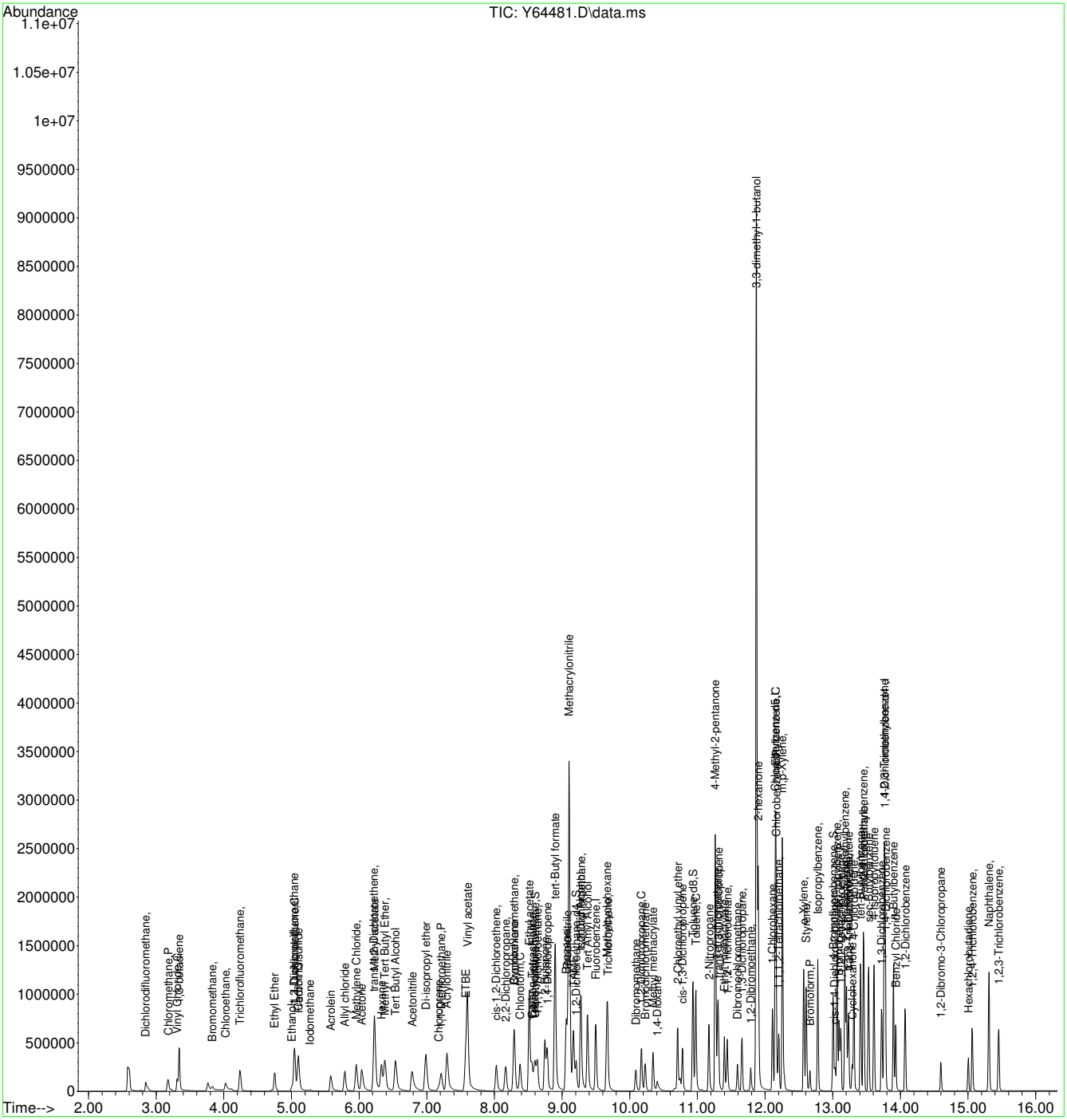
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.597	75	54836	44.48	ug/L	81
109) Hexachlorobutadiene	15.005	225	40258	31.69	ug/L	88
110) 1,2,4-Trichlorobenzene	15.066	180	142078	32.54	ug/L	98
111) Naphthalene	15.309	128	746082	39.67	ug/L	100
112) 1,2,3-Trichlorobenzene	15.455	180	146491	33.47	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64481.D
Acq On : 3 Sep 2022 9:33 pm
Operator : adelardl
Sample : ECC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 05 02:26:38 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



Manual Integration Approval Summary

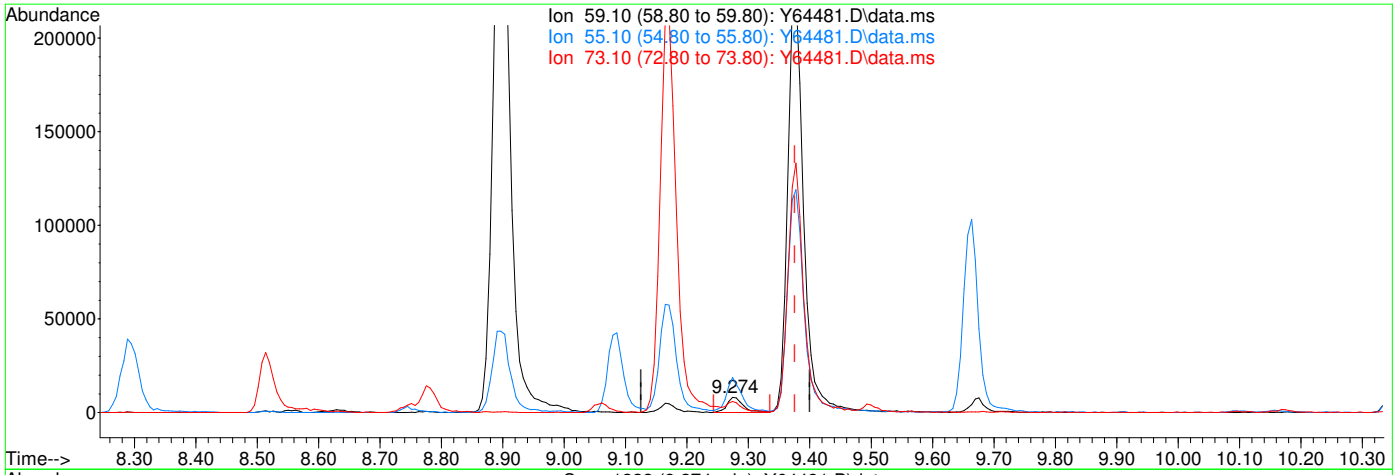
Sample Number: VY2672-ECC2666
Lab FileID: Y64481.D
Injection Time: 09/03/22 21:33
Method: SW846 8260D
Analyst approved: 09/07/22 10:29 Adelard Lefebvre
Supervisor approved: 09/07/22 16:33 Karen Watson

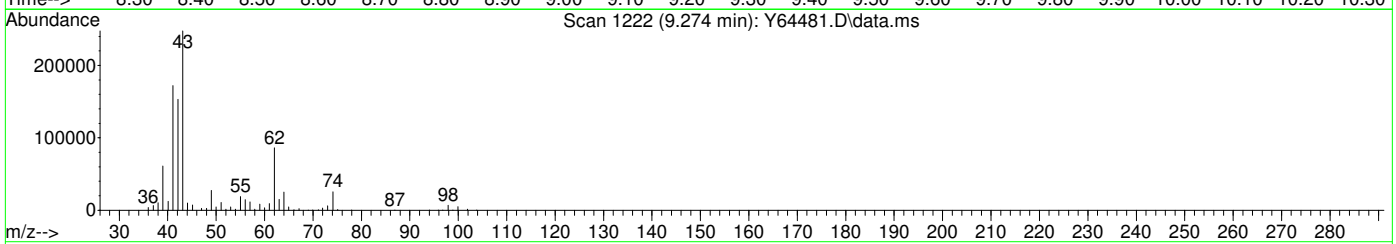
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

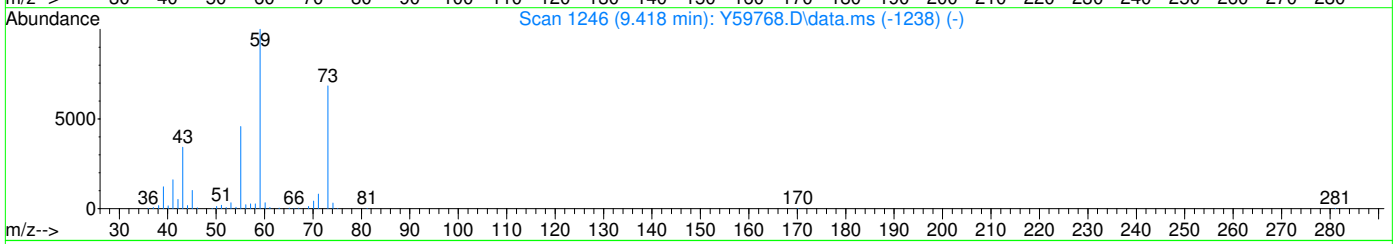
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64481.D
Acq On : 3 Sep 2022 9:33 pm
Operator : adelardl
Sample : ECC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 05 01:43:20 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64481.D\data.ms

(52) Tert Amyl Alcohol

9.274min (-0.101) 22.50ug/L

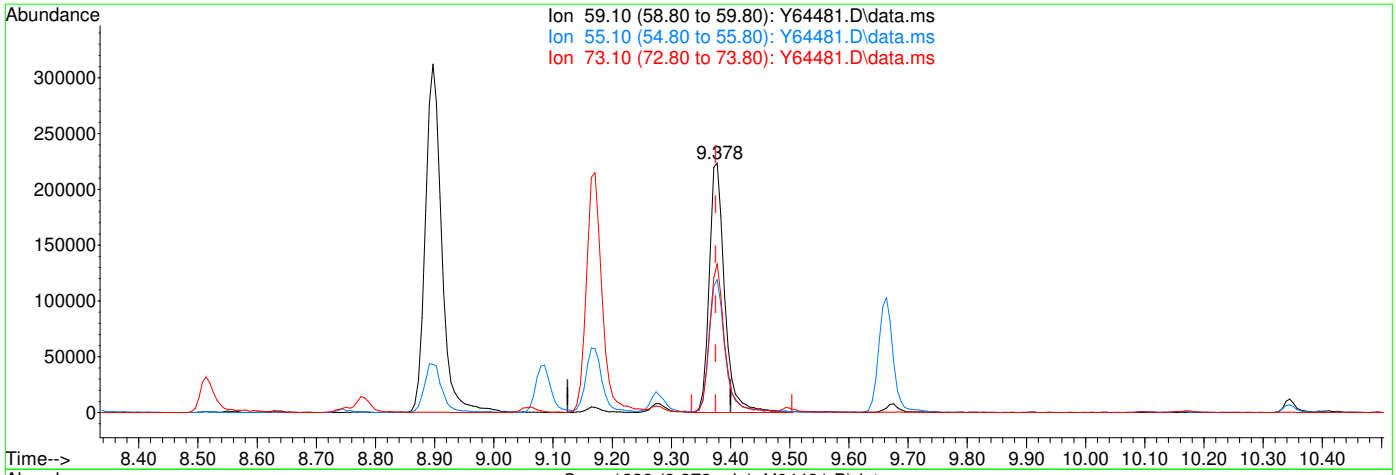
response 15183

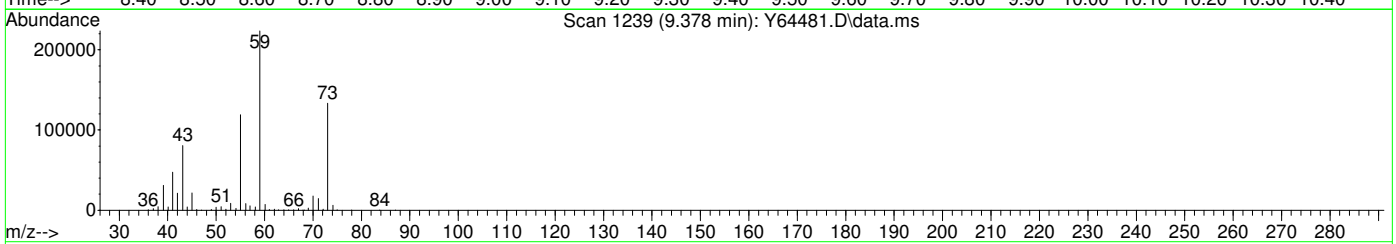
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	219.32#
73.10	59.00	66.33
0.00	0.00	0.00

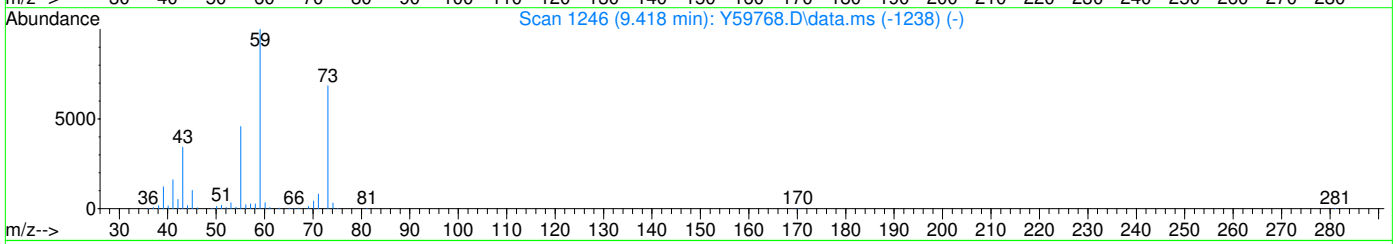
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64481.D
Acq On : 3 Sep 2022 9:33 pm
Operator : adelardl
Sample : ECC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 05 01:43:20 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64481.D\data.ms

(52) Tert Amyl Alcohol

9.378min (+0.003) 489.39ug/L m

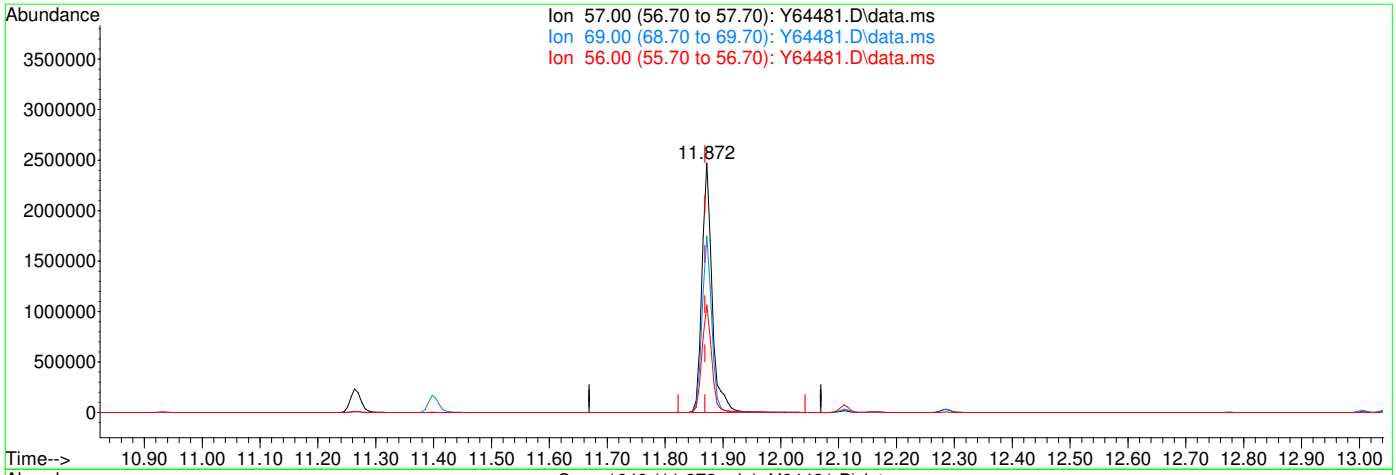
response 407845

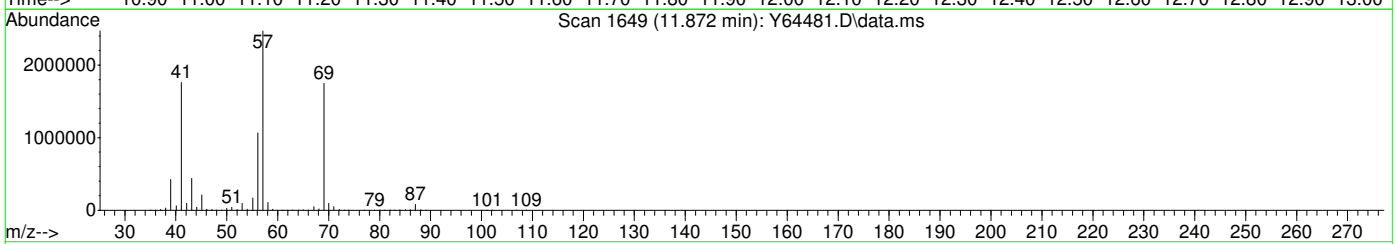
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	53.25
73.10	59.00	59.63
0.00	0.00	0.00

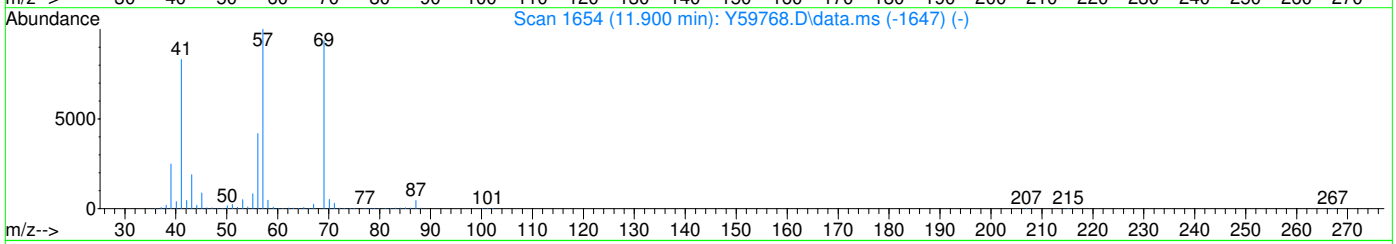
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64481.D
Acq On : 3 Sep 2022 9:33 pm
Operator : adelardl
Sample : ECC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 05 01:43:20 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64481.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.872min (+0.003) 2157.11ug/L

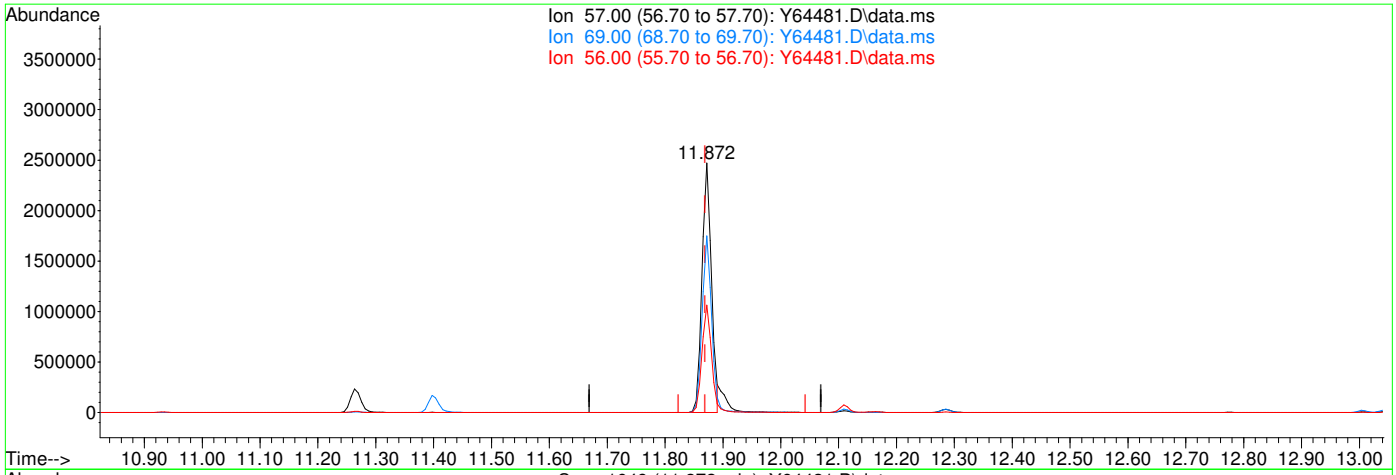
response 3041859

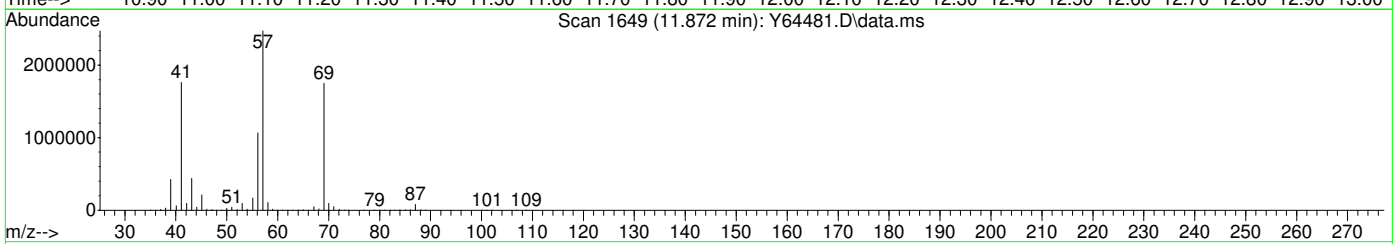
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	70.70
56.00	42.20	43.04
0.00	0.00	0.00

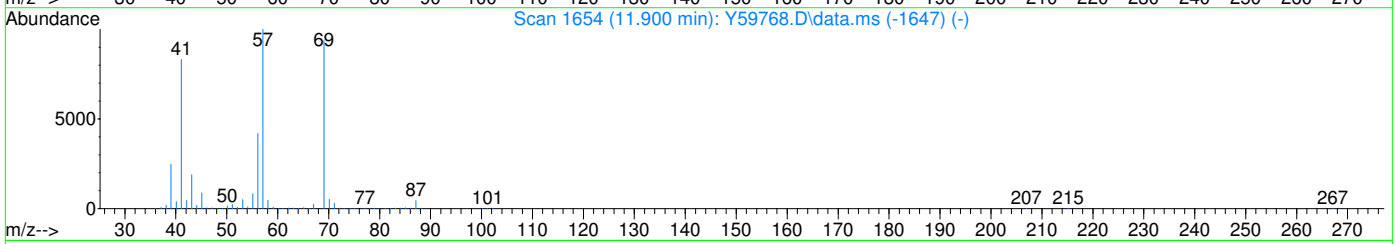
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64481.D
Acq On : 3 Sep 2022 9:33 pm
Operator : adelardl
Sample : ECC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 05 01:43:20 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64481.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.872min (+0.003) 2004.48ug/L m

response 2791555

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	70.74
56.00	42.20	43.05
0.00	0.00	0.00

SGS -ORLANDO

MSVOA13-P-ANALYSIS LOG

DATE:	8/24/2022
COLUMN TYPE:	RTXVMS
DETECTOR:	5973MSD
INSTRUMENT:	MSVOA13-P
PURGE PRESSURE:	1.4PSI
PURGE VOLUME:	5mL
ANALYST: Courtney F	

METHODS:	8260
METHOD FILE:	V2P_2022-08-24.M
CALIB. DATE:	8/24/2022
EM VOLTAGE:	1529V
ACQ. METHOD:	RTXFAST
BFB RESPONSE:	2016445
V2P3560	

BFB: VS2392
ICAL/CC: VS2375, VS2376, VS2387
VS2386, VS2383, VS2393
ISTD/SUR: VS2392
ICV/QC: VS2349, VS2350, VS2394,
VS2389, VS2388, VS2385, VS2397
DATA REVIEWED BY: Courtney F / Antonette C

PH LOT: 1-12pH 212820
0-3pH 230320
KI PAPER LOT: 022018
AFA: VS2248B
SAMPLE ID VERIFIED BY:
Courtney F
Date: 8/24/2022

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
2P92261	BLANK	-	-	W	51	8260		-	-	-	Passed autofind ✓
2P92263	BFB/IC3560-1	-	-	W	52	8260		-	-	-	Passed autofind; 1uL→ 100mL ✓
2P92265	IC3560-2	-	-	W	53	8260		-	-	-	5uL→ 100mL ✓
2P92267	IC3560-3	-	-	W	54	8260		-	-	-	10uL→ 100mL ✓
2P92269	IC3560-4	-	-	W	55	8260		-	-	-	25uL→ 100mL ✓
2P92271	IC3560-5	-	-	W	56	8260		-	-	-	40uL→ 100mL ✓
2P92273	IC3560-6	-	-	W	57	8260		-	-	-	70uL→ 100mL ✓
2P92275	IC3560-7	-	-	W	58	8260		-	-	-	100uL→ 100mL ✓
2P92277	BLANK	-	-	W	59	8260		-	-	-	✓
2P92279A	ICV3560-5/CC3560-5	-	-	W	60	8260		-	-	-	50uL→ 100mL ✓
2P92281A	ICV3560-4/BS	-	-	W	61	8260		-	-	-	12.5uL→ 100mL ✓
2P92283	CC3560-1	-	-	W	62	8260	all low peaks present	-	-	-	1uL→ 100mL ✓
2P92285	MB	-	-	W	63	8260		-	-	-	ND ✓
2P92287	**FA98234-4**	1x	5	W	64	8260		1	N	1x	**MTBE hit (BS ↑)**
2P92289	FA98234-5	1x	5	W	65	8260		1	N	-	ND ✓
2P92291	**FA98234-6**	1x	5	W	66	8260		1	N	1x	**TAME and MTBE hits (ICV, CCV, BS ↑)**
2P92293	FA98234-7	20x	5	W	67	8260	2.5mL(-)50mL	1	N	-	✓
2P92295	**FA98234-8**	100x	5	W	68	8260	500uL(-)50mL	1	N	100x	**MTBE hit (BS ↑)**
2P92297	**FA98234-9**	20x	5	W	69	8260	2.5mL(-)50mL	1	N	20x	**MTBE hit (BS ↑)**
2P92299	FA98234-10	1x	5	W	70	8260		1	N	-	ND ✓
2P92301	**FA98254-8**	1x	5	W	71	8260		1	N	1x	**MTBE hit (BS ↑)**
2P92303	FA98254-9	5x	5	W	72	8260	10mL(-)50mL	1	N	-	✓
2P92305	FA98254-10	1x	5	W	73	8260		1	N	-	✓
2P92307	FA98254-9MS	5x	5	W	74	8260	20mL(-)100mL	1	N	-	12.5uL→ 100mL ✓
2P92309	FA98254-9MSD	5x	5	W	75	8260	20mL(-)100mL	1	N	-	12.5uL→ 100mL ✓
2P92311	ECC3560-5	-	-	W	76	8260		-	-	-	40uL→ 100mL ✓

CG 8/25/22

* For NELAC purposes, Method 8260 includes anlytes by SOP MS005 Matrix. Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate

Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor

Analyst's Signature: CG

SGS -ORLANDO

MSVOA13-P-ANALYSIS LOG

DATE:	9/1/2022
COLUMN TYPE:	RTXVMS
DETECTOR:	5973MSD
INSTRUMENT:	MSVOA13-P
PURGE PRESSURE:	1.4PSI
PURGE VOLUME:	5mL
ANALYST: Courtney F	

METHODS:	8260
METHOD FILE:	V2P_2022-08-24.M
CALIB. DATE:	8/24/2022
EM VOLTAGE:	1529V
ACQ. METHOD:	RTXFAST
BFB RESPONSE:	2125416
V2P3567	

BFB: VS2392
ICAL/CC: VS2375, VS2376, VS2387
VS2386, VS2383, VS2407
ISTD/SUR: VS2392
ICV/QC: VS2349, VS2350, VS2394,
VS2389, VS2388, VS2385, VS2408
DATA REVIEWED BY: Courtney F / Antonette C

PH LOT: 1-12pH 212820
0-3pH 230320
KI PAPER LOT: 022018
AFA: VS2248B
SAMPLE ID VERIFIED BY:
Courtney F
Date: 9/01/2022

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
2P92599	BLANK	-	-	W	51	8260		-	-	-	Passed autofind ✓
2P92601	BFB/CC3560-5	-	-	W	52	8260		-	-	-	Passed autofind; 40uL→ 100mL ✓
2P92603	BS	-	-	W	53	8260		-	-	-	12.5uL→ 100mL ✓
2P92605	CC3560-1	-	-	W	54	8260		-	-	-	1uL→ 100mL ✓
2P92607	MB	-	-	W	55	8260		-	-	-	2-But hit (j-value) ✓
2P92609	FA98474-1	1x	1	W	56	8260		1	N	-	ND ✓
2P92611	FA98474-2	1x	15	W	57	8260		1	N	2x	VC ↑ (CCV hit)
2P92613	FA98474-3	1x	9	W	58	8260	bubble > 6mm	1	N	1x	VC carryover (CCV hit)
2P92615	FA98474-4	1x	2	W	59	8260		1	N	2.5x	VC ↑ (CCV hit)
2P92617	FA98474-5	1x	2	W	60	8260		1	N	1x	VC carryover (CCV hit)
2P92619	FA98431-8	1x	4	W	61	8260	bubble > 6mm	1	N	-	ND ✓
2P92621	FA98431-9	1x	5	W	62	8260		1	N	1x	VC hit (CCV), 2-But hit (MB)
2P92623	FA98431-11	1x	9	W	63	8260	bubble > 6mm	1	N	1x	VC hit (CCV)
2P92625	FA98468-1	10x	4	W	64	8260	bubble > 6mm ,5mL(-)50mL	1	N	5x	Cis-1,2-DCE low
2P92627	FA98473-16	10x	2	W	65	8260	5mL(-)50mL	1	N	-	✓
2P92629	FA98473-17	10x	2	W	66	8260	5mL(-)50mL	1	N	-	✓
2P92631	FA98473-18	5x	3	W	67	8260	10mL(-)50mL	1	N	-	✓
2P92633	FA98473-19	25x	3	W	68	8260	2mL(-)50mL	1	N	25x	VC hit (CCV)
2P92635	FA98473-20	50x	3	W	69	8260	1mL(-)50mL	1	N	-	✓
2P92637	FA98473-21	50x	3	W	70	8260	1mL(-)50mL	1	N	25x	TCE low/potential carryover
2P92639	FA98473-22	5x	2	W	71	8260	10mL(-)50mL	1	N	5x	TCE carryover
2P92641	FA98474-2MS	1x	18	W	72	8260		1	N	-	12.5uL→ 100mL ✓
2P92643	FA98474-2MSD	1x	19	W	73	8260		1	N	-	12.5uL→ 100mL ✓
2P92645	ECC3560-5	-	-	W	74	8260		-	-	-	40uL→ 100mL ✓

CJ 9/7/22

* For NELAC purposes, Method 8260 includes anlytes by SOP MS005 Matrix Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor

Analyst's Signature: CJ

SGS -ORLANDO

MSVOA13-P-ANALYSIS LOG

DATE:	9/6/2022
COLUMN TYPE:	RTXVMS
DETECTOR:	5973MSD
INSTRUMENT:	MSVOA13-P
PURGE PRESSURE:	1.4PSI
PURGE VOLUME:	5mL
ANALYST: Courtney F	

METHODS:	8260
METHOD FILE:	V2P_2022-08-24.M
CALIB. DATE:	8/24/2022
EM VOLTAGE:	1529V
ACQ. METHOD:	RTXFAST
BFB RESPONSE:	2117134
V2P3568	

BFB: VS2392
ICAL/CC: VS2375, VS2376, VS2387
VS2386, VS2383, VS2430
ISTD/SUR: VS2392
ICV/QC: VS2349, VS2350, VS2394,
VS2389, VS2388, VS2385, VS2431
DATA REVIEWED BY: Courtney F

PH LOT: 1-12pH 212820
0-3pH 230320
KI PAPER LOT: 022018
AFA: VS2248B
SAMPLE ID VERIFIED BY:
Courtney F
Date: 9/06/2022

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
2P92655	BLANK	-	-	W	51	8260		-	-	-	Passed autofind ✓
2P92657	BFB/CC3560-5	-	-	W	52	8260		-	-	-	Passed autofind; 40uL→ 100mL ✓
2P92659	BS	-	-	W	53	8260		-	-	-	12.5uL→ 100mL ✓
2P92661	CC3560-1	-	-	W	54	8260		-	-	-	1uL→ 100mL ✓
2P92663	BLANK	-	-	W	55	8260		-	-	-	✓
2P92665	MB	-	-	W	56	8260		-	-	-	2-But hit (j-value) ✓
2P92667	FA98431-10	1x	1	W	57	8260	bubble > 6mm	1	N	-	
2P92669	FA98446-23	1x	1	W	58	8260		1	N	-	
2P92671	**FA98592-4**	1x	1	W	59	8260		7	N	1x	**2-But hit (MB)**
2P92673	FA98431-6	1x	22	W	60	8260		1	N	-	
2P92675	FA98468-2	1x	9	W	61	8260		1	N	-	
2P92677	FA98468-3	1x	5	W	62	8260		1	N	-	
2P92679	**FA98468-4**	1x	9	W	63	8260	bubble > 6mm	1	N	1x	**VC hit (CCV)**
2P92681	**FA98468-5**	1x	5	W	64	8260		1	N	1x	**VC hit (CCV)**
2P92683	FA98468-6	1x	6	W	65	8260		1	N	-	
2P92685	**FA98592-5**	1x	1	W	66	8260		7	N	1x	**2-But hit (MB)**
2P92687	**FA98592-6**	1x	2	W	67	8260		7	N	1x	**2-But hit (MB)**
2P92689	**FA98468-7**	5x	8	W	68	8260	bubble > 6mm, 10mL(-)50mL	1	N	2x	**Target compounds ↓**
2P92691	**FA98592-1**	25x	1	W	69	8260	2mL(-)50mL	7	N	25x	**2-But hit (MB), VC hit (CCV)**
2P92693	**FA98592-2**	50x	2	W	70	8260	1mL(-)50mL	7	N	50x	**2-But hit (MB), VC hit (CCV)**
2P92695	**FA98592-3**	50x	2	W	71	8260	1mL(-)50mL	7	N	50x	**2-But hit (MB), VC hit (CCV)**
2P92697	FA98431-6MS	1x	16	W	72	8260		1	N	-	12.5uL→ 100mL ✓
2P92699	FA98431-6MSD	1x	17	W	73	8260		1	N	-	12.5uL→ 100mL ✓
2P92701	ECC3560-5	-	-	W	74	8260		-	-	-	40uL→ 100mL ✓

* For NELAC purposes, Method 8260 includes anlytes by SOP MS005 Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rational SOP QA029 MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PI Poor

Analyst's Signature: CF

SGS -ORLANDO

MSVOA20-5E-ANALYSIS LOG

DATE:	9/6/2022
COLUMN TYPE:	RTXVMS
DETECTOR:	5975 MSD
INSTRUMENT:	MSVOA20-5E
PURGE PRESSURE:	11 PSI
PURGE VOLUME:	5 mL
ANALYST:	Courtney F

METHODS:*	8260
METHOD FILE:	applX09-06-2022.M
CALIB. DATE:	9/6/2022
EM VOLTAGE:	1365V
ACQ. METHOD:	8260VMSVI
BFB RESPONSE:	620445
Run ID:	V5E1549

BFB:	VS2410
ICAL/CC:	VS2375, VS2376, VS2420, VS2418, VS2415, VS2430
ISTD/SUR:	VS2410
ICV/QC:	VS2425, VS2426, VS2424, VS2422, VS2421, VS2419, VS2431
AFA:	VS2248B

pH LOT:	230320, 230418
KI PAPER LOT:	07062021
Data Processed By:	
Courtney F	
Sample ID Verified By:	
Courtney F	
Date verfied:	09/6/2022

Data File	Sample ID	Dil.	Vial #	Matrix	ALS Pos.	Sample Method	Manually Integrated Peaks Rationale, Peak#	pH	CI ?	RR	Comments
5E33981	BFB	-	-	W	1	8260		-	-	-	Passed autofind ✓
5E33982	IC1549-1	-	-	W	2	8260		-	-	-	1uL→ 100mL ✓
5E33983	IC1549-2	-	-	W	3	8260		-	-	-	5uL→ 100mL ✓
5E33984	IC1549-3	-	-	W	4	8260		-	-	-	5uL→ 50mL ✓
5E33985	IC1549-4	-	-	W	5	8260		-	-	-	12.5uL→ 50mL ✓
5E33986	ICC1549-5	-	-	W	6	8260		-	-	-	20uL→ 50mL ✓
5E33987	IC1549-6	-	-	W	7	8260		-	-	-	35uL→ 50mL ✓
5E33988	IC1549-7	-	-	W	8	8260		-	-	-	50uL→ 50mL ✓
5E33989	BLANK	-	-	W	9	8260		-	-	-	✓
5E33990	ICV1549-5	-	-	W	10	8260		-	-	-	25uL→ 50mL ✓
5E33991	ICV1549-4	-	-	W	11	8260	CDS only	-	-	-	12.5uL→ 50mL ✓

9/7/22

* For NELAC purposes, Method 8260 includes anlytes by SOP MS005 Matrix: Designaate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

Analyst's Signature: _____

SGS -ORLANDO

MSVOA20-5E-ANALYSIS LOG

DATE:	9/7/2022
COLUMN TYPE:	RTXVMS
DETECTOR:	5975 MSD
INSTRUMENT:	MSVOA20-5E
PURGE PRESSURE:	11 PSI
PURGE VOLUME:	5 mL
ANALYST:	Courtney F

METHODS:*	8260
METHOD FILE:	appiX09-06-2022.M
CALIB. DATE:	9/6/2022
EM VOLTAGE:	1365V
ACQ. METHOD:	8260VMSVI
BFB RESPONSE:	612999
Run ID:	V5E1550

BFB:	VS2410
ICAL/CC:	VS2375, VS2376, VS2420, VS2418, VS2415, VS2430
ISTD/SUR:	VS2410
ICV/QC:	VS2425, VS2426, VS2424, VS2422, VS2421, VS2419, VS2431
AFA:	VS2248B

pH LOT:	230320, 230418
KI PAPER LOT:	07062021
Data Processed By:	
	Courtney F / Antonette C
Sample ID Verified By:	
	Courtney F
Date verfied:	09/7/2022

Data File	Sample ID	Dil.	Vial #	Matrix	ALS Pos.	Sample Method	Manually Integrated Peaks Rationale, Peak#	pH	CI ?	RR	Comments
5E33992	BLANK	-	-	W	1	8260		-	-	-	Passed autofind ✓
5E33993	BFB/CC1549-5	-	-	W	2	8260		-	-	-	Passed autofind; 20uL→ 50mL ✓
5E33994	BS	-	-	W	3	8260		-	-	-	12.5uL→ 50mL ✓
5E33995	CC1549-1	-	-	W	4	8260	3,3DMB peak present	-	-	-	1uL→ 100mL ✓
5E33996	BLANK	-	-	W	5	8260		-	-	-	✓
5E33997	MB	-	-	W	6	8260		-	-	-	ND ✓
5E33998	FA98592-4	1x	2	W	7	8260		7	N	-	ND ✓
5E33999	FA98468-10	1x	2	W	8	8260		1	N	-	ND ✓
5E34000	FA98592-5	1x	3	W	9	8260		7	N	-	✓
5E34001	FA98592-6	1x	3	W	10	8260		7	N	-	✓
5E34002	FA98468-4	1x	5	W	11	8260	bubbe > 6mm	1	N	-	VC only ✓
5E34003	FA98468-5	1x	7	W	12	8260	bubbe > 6mm	1	N	-	VC only ✓
5E34004	FA98468-7	2x	6	W	13	8260	25mL(-)50mL	1	N	-	✓
5E34005	BLANK	-	-	W	14	8260		-	-	-	✓
5E34006	FA98592-1	10x	3	W	15	8260	5mL(-)50mL	7	N	-	✓
5E34007	BLANK	-	-	W	16	8260		-	-	-	✓
5E34008	FA98592-2	25x	3	W	17	8260	2mL(-)50mL	7	N	-	✓
5E34009	BLANK	-	-	W	18	8260		-	-	-	✓
5E34010	FA98592-3	25x	1	W	19	8260	2mL(-)50mL	7	N	-	✓
5E34011	BLANK	-	-	W	20	8260		-	-	-	✓
5E34012	FA98494-10	1x	2	W	21	8260		1	N	-	✓
5E34013	FA98494-11	1x	2	W	22	8260		1	N	-	✓
5E34014	FA98494-7	1x	2	W	23	8260		1	N	-	✓
5E34015	FA98494-3	1x	2	W	24	8260		1	N	-	✓
5E34016	FA98468-8	1x	7	W	25	8260		1	N	-	✓
5E34017	FA98468-9	1x	4	W	26	8260	bubbe > 6mm	1	N	-	✓
5E34018	FA98592-1MS	10x	3	W	27	8260	10mL(-)100mL	7	N	-	12.5uL→ 50mL ✓
5E34019	FA98592-1MSD	10x	3	W	28	8260	10mL(-)100mL	7	N	-	12.5uL→ 50mL ✓
5E34020	ECC1549-5	-	-	W	29	8260		-	-	-	20uL→ 50mL ✓

CF 9/8/22

* For NELAC purposes, Method 8260 includes anlytes by SOP MS005 Matrix Designaate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: CF

SGS -ORLANDO

MSVOA14-Y-ANALYSIS LOG

DATE: 08/29/2022	
COLUMN TYPE: RTX-VMS	
DETECTOR: 5973 MSD	
INSTRUMENT: MSVOA14-Y	
PURGE PRESSURE: 9.0 psi	
PURGE VOLUME: 5 mL	
ANALYST: JoAnn L	

METHODS:	8260
METHOD FILE: APIX_08-29-2022_Y.M	
CALIB. DATE:	8/29/2022
EM VOLTAGE:	1165V
BFB RESPONSE:	1219829
RUN ID:	**VY2666**

BFB:	VS2377
ICAL/CC:	VS2375, VS2376, VS2387,
VS2386, VS2383, VS2407	
ISTD/SURR:	VS2377
ICV/QC:	VS2349, VS2350, VS2394
VS2389, VS2388, VS2385, VS2414	
DATA PROCESSED BY: JoAnn L	

0 to 12 pH lot#
0 to 3 pH lot#: 220416
KI PAPER LOT: 102916
AFA: N/A
SAMPLE ID VERIFIED BY: JoAnn L
DATE: 08/29/2022

DATA FILE	SAMPLE ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONALE & PEAK #	pH	CI ?	RR	COMMENTS
Y64309	BLANK	-	-	W	1	8260		-	-	-	Passed Autofind ✓
Y64310	BFB	-	-	W	2	8260		-	-	-	Passed autofind ✓
Y64311	IC2666-1	-	-	W	3	8260		-	-	-	1uL → 100mL ✓
Y64312	IC2666-2	-	-	W	4	8260		-	-	-	5uL → 100mL ✓
Y64313	IC2666-3	-	-	W	5	8260		-	-	-	5uL → 50mL ✓
Y64314	IC2666-4	-	-	W	6	8260		-	-	-	12.5uL → 50mL ✓
Y64315	ICC2666-5	-	-	W	7	8260		-	-	-	40uL → 100mL ✓
Y64316	IC2666-6	-	-	W	8	8260		-	-	-	35uL → 50mL ✓
Y64317	IC2666-7	-	-	W	9	8260		-	-	-	50uL → 50mL ✓
Y64318	BLANK	-	-	W	10	8260		-	-	-	✓
Y64319	ICV2666-5	-	-	W	11	8260	Not used-bad prep; re ran on VY2667	-	-	Y	25uL → 50mL ✓
Y64320	ICV2666-4	-	-	W	12	8260	Not used-bad prep; re ran on VY2667	-	-	Y	12.5uL → 40mL ✓
Y64323	ICV2666-5	-	-	W	3	8260	VY2666	-	-	-	25uL → 50mL ✓
Y64324	ICV2666-4	-	-	W	4	8260	TAME/CHO/33DM only; VY2666	-	-	-	12.5uL → 40mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rationale SOP QA029 MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration.

Analyst's Signature: _____

SGS -ORLANDO

MSVOA14-Y-ANALYSIS LOG

DATE: 09/03/2022	METHODS: 8260	BFB: VS2377	0 to 12 pH lot#
COLUMN TYPE: RTX-VMS	METHOD FILE: APIX_08-29-2022_Y.M	ICAL/CC: VS2375, VS2376, VS2387,	0 to 3 pH lot#: 220416
DETECTOR: 5973 MSD	CALIB. DATE: 8/29/2022	VS2386, VS2383, VS2407	KI PAPER LOT: 102916
INSTRUMENT: MSVOA14-Y	EM VOLTAGE: 1165V	ISTD/SURR VS2377	AFA: N/A
PURGE PRESSURE: 9.0 psi	BFB RESPONSE: 1038000	ICV/QC: VS2349, VS2350, VS2394	SAMPLE ID VERIFIED BY: Adelard L
PURGE VOLUME: 5 mL	RUN ID: VY2672	VS2389, VS2388, VS2385, VS2414	
ANALYST: Adelard L		DATA PROCESSED BY: Adelard L	DATE: 09/03/2022

DATA FILE	SAMPLE ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONALE & PEAK #	pH	CI ?	RR	COMMENTS
Y64453	BFB	-	-	W	1	8260		-	-	-	Passed autofind ✓
Y64454	CC2666-5	-	-	W	2	8260	#22,74(OP) #52(MP)	-	-	-	12.5uL → 40mL ✓
Y64455	BS	-	-	W	3	8260	#22,74(OP) #52(MP)	-	-	-	12.5uL → 40mL ✓
Y64456	CC2666-1	-	-	W	4	8260	All CCV low peaks present	-	-	-	1uL → 100mL ✓
Y64457	BLANK	-	-	W	5	8260		-	-	-	
Y64458	MB (AFA)	-	-	W	6	8260		-	-	-	ND ✓
Y64459	FA98439-4	1X	2	W	7	8260	lot#	1	N	-	ND ✓
Y64460	FA98439-5	1X	2	W	8	8260	lot#	1	N	-	ND ✓
Y64461	FA98439-6	1X	4	W	9	8260	lot#	1	N	-	ND ✓
Y64462	FA98431-9	1X	9	W	10	8260		1	N	-	2-But and VC only ✓
Y64463	FA98431-11	1X	7	W	11	8260		1	N	-	VC only ✓
Y64464	FA98439-1	1X	7	W	12	8260		1	N	-	✓
Y64465	FA98439-2	1X	7	W	13	8260		1	N	-	ND ✓
Y64466	FA98439-3	1X	7	W	14	8260		1	N	-	ND ✓
Y64467	FA98484-7	1X	3	W	15	8260		1	N	-	ND ✓
Y64468	FA98484-8	1X	2	W	16	8260		1	N	-	✓
Y64469	FA98512-1	1X	7	W	17	8260	AFA	1	N	-	(HCB from 1st run) ND✓
Y64470	FA98512-2	1X	7	W	18	8260	AFA	1	N	-	(HCB from 1st run) ✓
Y64471	FA98512-3	1X	7	W	19	8260	AFA	1	N		(HCB from 1st run) ND✓
Y64472	FA98512-4	1X	7	W	20	8260	AFA; Bubble < 6mm	1	N		(HCB from 1st run) ND✓
Y64473	FA98512-5	1X	7	W	21	8260	AFA	1	N		(HCB from 1st run) ✓
Y64474	FA98458-1 10X	10x	2	W	22	8260	5mL(-)50mL	1	N		✓
Y64475	FA98468-1 5X	5x	6	W	23	8260	10mL(-)50mL	1	N		(HCB from 1st run) ✓
Y64476	FA98473-19 25X	25x	2	W	24	8260	2mL(-)50mL	1	N		Comparing vials
Y64477	FA98473-21 25X	25x	2	W	25	8260	2mL(-)50mL	1	N		E-combine ✓
Y64478	FA98473-22 5X	5x	3	W	26	8260	10mL(-)50mL	1	N		xNot used, not needed
Y64479	FA98458-1MS 20X	20x	2	W	27	8260	**#22,74(OP) #52(MP); 5mL (-) 100mL**	1	N	-	12.5uL → 40mL ✓
Y64480	FA98458-1MSD 20X	20x	2	W	28	8260	**#22,74(OP) #52(MP); 5mL (-) 100mL**	1	N	-	12.5uL → 40mL ✓
Y64481	ECC2666-5	-	-	W	29	8260	**#22,74(OP) #52(MP)**	-	-	-	40uL(-)50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration.

Analyst's Signature: Adelard L

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
G1R345-MB	1R9224.D	1	08/30/22	TD	n/a	n/a	G1R345

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98468-1, FA98468-3

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.50	0.16	ug/l	
74-84-0	Ethane	ND	1.0	0.32	ug/l	
74-85-1	Ethene	ND	1.0	0.43	ug/l	

Method Blank Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
G1R346-MB	1R9251.D	1	08/31/22	TD	n/a	n/a	G1R346

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98468-2, FA98468-4, FA98468-5, FA98468-6, FA98468-7, FA98468-8, FA98468-9

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.50	0.16	ug/l	
74-84-0	Ethane	ND	1.0	0.32	ug/l	
74-85-1	Ethene	ND	1.0	0.43	ug/l	

Blank Spike/Blank Spike Duplicate Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
G1R345-BS	1R9216.D	1	08/30/22	TD	n/a	n/a	G1R345
G1R345-BSD	1R9217.D	1	08/30/22	TD	n/a	n/a	G1R345

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98468-1, FA98468-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
74-82-8	Methane	108	118	109	115	106	3	62-139/30
74-84-0	Ethane	219	245	112	248	113	1	67-141/30
74-85-1	Ethene	290	331	114	335	116	1	68-141/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
G1R346-BS	1R9248.D	1	08/31/22	TD	n/a	n/a	G1R346
G1R346-BSD	1R9249.D	1	08/31/22	TD	n/a	n/a	G1R346

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98468-2, FA98468-4, FA98468-5, FA98468-6, FA98468-7, FA98468-8, FA98468-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
74-82-8	Methane	108	97.8	91	94.5	88	3	62-139/30
74-84-0	Ethane	219	195	89	190	87	3	67-141/30
74-85-1	Ethene	290	257	89	252	87	2	68-141/30

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98473-11MS	1R9243.D	10	08/30/22	TD	n/a	n/a	G1R345
FA98473-11	1R9220.D	1	08/30/22	TD	n/a	n/a	G1R345
FA98473-11	1R9226.D	10	08/30/22	TD	n/a	n/a	G1R345

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98468-1

CAS No.	Compound	FA98473-11 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
74-82-8	Methane	4100 [b]		1080	2900	-84* [a]	62-139

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Result is from Run #2.

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98485-4MS	1R9273.D	1	08/31/22	TD	n/a	n/a	G1R346
FA98485-4	1R9261.D	1	08/31/22	TD	n/a	n/a	G1R346

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98468-2, FA98468-4, FA98468-5, FA98468-6, FA98468-7, FA98468-8, FA98468-9

CAS No.	Compound	FA98485-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
74-82-8	Methane	91.2		108	188	90	62-139
74-84-0	Ethane	1.0 U		219	205	94	67-141
74-85-1	Ethene	1.0 U		290	272	94	68-141

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98473-11DUP	1R9227.D	10	08/30/22	TD	n/a	n/a	G1R345
FA98473-11	1R9220.D	1	08/30/22	TD	n/a	n/a	G1R345
FA98473-11	1R9226.D	10	08/30/22	TD	n/a	n/a	G1R345

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98468-1, FA98468-3

CAS No.	Compound	FA98473-11 ug/l	Q	DUP ug/l	Q	RPD	Limits
74-82-8	Methane	4100 [a]		3790		1	30
74-84-0	Ethane	3.5		ND		200*	30
74-85-1	Ethene	278		199		33*	30

(a) Result is from Run #2.

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98485-9DUP	1R9274.D	1	08/31/22	TD	n/a	n/a	G1R346
FA98485-9	1R9266.D	1	08/31/22	TD	n/a	n/a	G1R346

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98468-2, FA98468-4, FA98468-5, FA98468-6, FA98468-7, FA98468-8, FA98468-9

CAS No.	Compound	FA98485-9 ug/l	Q	DUP ug/l	Q	RPD	Limits
74-82-8	Methane	109		105		4	30
74-84-0	Ethane	1.0 U		ND		nc	30
74-85-1	Ethene	1.0 U		ND		nc	30

* = Outside of Control Limits.

Initial Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: G1R343-ICC343
Lab FileID: 1R9189.D

Response Factor Report VOA12

Method : C:\msdchem\1\METHODS\RSK8-23-22.M (ChemStation Integrator)
Title : Dissolved Gases in Water
Last Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration

Calibration Files
1 =1R9185.D 2 =1R9186.D 3 =1R9187.D 4 =1R9188.D
5 =1R9189.D 6 =1R9190.D 7 =1R9191.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) Methane	6.779	7.109	4.989	4.690	6.022	5.473	5.702	5.824 E5	15.24

---- Linear regr., Force(0,0) ---- Coefficient = 0.9995
Response Ratio = 0.00000 + 565740.14944 *A

2) Acetylene	1.129	1.165	0.819	0.849	1.165	1.157	1.362	1.092 E6	17.65

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998
Response Ratio = 0.00000 + 970320.11781 *A + 39.11268 *A^2

3) Ethylene	1.032	1.030	0.849	0.841	1.054	0.944	1.030	0.969 E6	9.44

---- Linear regr., Force(0,0) ---- Coefficient = 0.9984
Response Ratio = 0.00000 + 1012501.28927 *A

4) Ethane	1.132	1.017	0.824	0.846	1.031	0.961	1.026	0.977 E6	11.19

---- Linear regr., Force(0,0) ---- Coefficient = 0.9991
Response Ratio = 0.00000 + 1012570.12291 *A

5) Propane	2.119	1.361	1.022	1.085	1.242	1.191	1.337	1.337 E6	27.39

---- Linear regr., Force(0,0) ---- Coefficient = 0.9974
Response Ratio = 0.00000 + 1307086.61892 *A

(#) = Out of Range

RSK8-23-22.M Wed Aug 24 13:20:55 2022

8.5.1

Initial Calibration Verification

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: G1R343-ICV343
Lab FileID: 1R9192.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\08-23-22\1R9192.D Vial: 10
Acq On : 23-Aug-22, 16:24:24 Operator: TRANGD
Sample : icv343-5 Inst : VOA12
Misc : gc23837,G1R343,38,20,500,5,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\METHODS\RSK8-23-22.M (ChemStation Integrator)
Title : Dissolved Gases in Water
Last Update : Wed Aug 24 09:01:53 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	1000.000	1049.521	-5.0	99	0.00	0.22- 0.72
2	Acetylene	1000.000	951.068	4.9	82	0.00	0.77- 1.17
3	Ethylene	1000.000	957.927	4.2	92	0.00	0.88- 1.68
4	Ethane	1000.000	981.110	1.9	96	0.00	1.25- 2.05
5	Propane	1000.000	966.863	3.3	102	0.00	3.79- 4.59

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1R9189.D RSK8-23-22.M Tue Aug 30 09:14:01 2022

8.5.2

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: G1R345-CC343
Lab FileID: 1R9214.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\08-30-22\1R9214.D Vial: 4
Acq On : 30-Aug-22, 09:12:10 Operator: TRANGD
Sample : cc343-5 Inst : VOA12
Misc : gc23880,G1R345,38,20,500,5,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\METHODS\RSK8-23-22.M (ChemStation Integrator)
Title : Dissolved Gases in Water
Last Update : Wed Aug 24 09:01:53 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	1000.000	1052.724	-5.3	99	0.00	0.22- 0.72
2	Acetylene	1000.000	1238.197	-23.8#	108	0.01	0.77- 1.17
3	Ethylene	1000.000	1074.487	-7.4	103	0.00	0.88- 1.68
4	Ethane	1000.000	1055.107	-5.5	104	0.00	1.25- 2.05
5	Propane	1000.000	1061.477	-6.1	112	0.00	3.79- 4.59

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1R9189.D RSK8-23-22.M Wed Aug 31 11:29:56 2022

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: G1R345-CC343
Lab FileID: 1R9225.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\08-30-22\1R9225.D Vial: 15
Acq On : 30-Aug-22, 12:45:20 Operator: TRANGD
Sample : cc343-5 Inst : VOA12
Misc : gc23880,G1R345,38,20,500,5,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\METHODS\RSK8-23-22.M (ChemStation Integrator)
Title : Dissolved Gases in Water
Last Update : Wed Aug 24 09:01:53 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
		Amount	Calc.	%Drift			
1	Methane	1000.000	1070.445	-7.0	101	0.00	0.22- 0.72
2	Acetylene	1000.000	1268.987	-26.9#	111	0.02	0.77- 1.17
3	Ethylene	1000.000	1094.492	-9.4	105	0.01	0.88- 1.68
4	Ethane	1000.000	1071.006	-7.1	105	0.01	1.25- 2.05
5	Propane	1000.000	1118.375	-11.8	118	0.01	3.79- 4.59

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1R9189.D RSK8-23-22.M Wed Aug 31 11:29:58 2022

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: G1R345-CC343
Lab FileID: 1R9236.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\08-30-22\1R9236.D Vial: 26
Acq On : 30-Aug-22, 14:41:36 Operator: TRANGD
Sample : cc343-5 Inst : VOA12
Misc : gc23880,G1R345,38,20,500,5,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\METHODS\RSK8-23-22.M (ChemStation Integrator)
Title : Dissolved Gases in Water
Last Update : Wed Aug 24 09:01:53 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	1000.000	1017.738	-1.8	96	0.01	0.22- 0.72
2	Acetylene	1000.000	1211.491	-21.1#	106	0.02	0.77- 1.17
3	Ethylene	1000.000	1039.769	-4.0	100	0.02	0.88- 1.68
4	Ethane	1000.000	1022.026	-2.2	100	0.02	1.25- 2.05
5	Propane	1000.000	1028.299	-2.8	108	0.02	3.79- 4.59

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1R9189.D RSK8-23-22.M Wed Aug 31 11:30:00 2022

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: G1R345-ECC343
Lab FileID: 1R9245.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\08-30-22\1R9245.D Vial: 35
Acq On : 30-Aug-22, 16:00:03 Operator: TRANGD
Sample : ecc343-4 Inst : VOA12
Misc : gc23880,G1R345,38,20,500,5,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\METHODS\RSK8-23-22.M (ChemStation Integrator)
Title : Dissolved Gases in Water
Last Update : Wed Aug 24 09:01:53 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	500.000	478.800	4.2	116	0.01	0.22- 0.72
2	Acetylene	500.000	578.591	-15.7#	135	0.03	0.77- 1.17
3	Ethylene	500.000	490.192	2.0	118	0.02	0.88- 1.68
4	Ethane	500.000	481.673	3.7	115	0.02	1.25- 2.05
5	Propane	500.000	480.851	3.8	116	0.03	3.79- 4.59

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1R9188.D RSK8-23-22.M Wed Aug 31 11:40:42 2022

8.5.6

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: G1R346-CC343
Lab FileID: 1R9247.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\08-31-22\1R9247.D Vial: 2
Acq On : 31-Aug-22, 10:50:31 Operator: TRANGD
Sample : cc343-5 Inst : VOA12
Misc : gc23880,G1R346,38,20,500,5,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\METHODS\RSK8-23-22.M (ChemStation Integrator)
Title : Dissolved Gases in Water
Last Update : Wed Aug 24 09:01:53 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	1000.000	898.059	10.2	84	0.01	0.22- 0.72
2	Acetylene	1000.000	1050.087	-5.0	91	0.02	0.77- 1.17
3	Ethylene	1000.000	937.427	6.3	90	0.02	0.88- 1.68
4	Ethane	1000.000	924.751	7.5	91	0.02	1.25- 2.05
5	Propane	1000.000	902.420	9.8	95	0.03	3.79- 4.59

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1R9189.D RSK8-23-22.M Thu Sep 01 14:47:07 2022

8.5.7

8

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: G1R346-CC343
Lab FileID: 1R9258.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\08-31-22\1R9258.D Vial: 13
Acq On : 31-Aug-22, 14:12:12 Operator: TRANGD
Sample : cc343-5 Inst : VOA12
Misc : gc23880,G1R346,38,20,500,5,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\METHODS\RSK8-23-22.M (ChemStation Integrator)
Title : Dissolved Gases in Water
Last Update : Wed Aug 24 09:01:53 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	1000.000	1004.470	-0.4	94	0.01	0.22- 0.72
2	Acetylene	1000.000	1190.350	-19.0#	104	0.03	0.77- 1.17
3	Ethylene	1000.000	1028.070	-2.8	99	0.03	0.88- 1.68
4	Ethane	1000.000	1008.429	-0.8	99	0.03	1.25- 2.05
5	Propane	1000.000	1022.322	-2.2	108	0.03	3.79- 4.59

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1R9189.D RSK8-23-22.M Thu Sep 01 14:47:09 2022

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: G1R346-CC343
Lab FileID: 1R9269.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\08-31-22\1R9269.D Vial: 24
Acq On : 31-Aug-22, 15:43:26 Operator: TRANGD
Sample : cc343-5 Inst : VOA12
Misc : gc23880,G1R346,38,20,500,5,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\METHODS\RSK8-23-22.M (ChemStation Integrator)
Title : Dissolved Gases in Water
Last Update : Wed Aug 24 09:01:53 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	1000.000	980.323	2.0	92	0.01	0.22- 0.72
2	Acetylene	1000.000	1166.856	-16.7#	102	0.03	0.77- 1.17
3	Ethylene	1000.000	1002.790	-0.3	96	0.03	0.88- 1.68
4	Ethane	1000.000	981.793	1.8	96	0.03	1.25- 2.05
5	Propane	1000.000	989.409	1.1	104	0.03	3.79- 4.59

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1R9189.D RSK8-23-22.M Thu Sep 01 14:47:11 2022

8.5.9

Continuing Calibration Summary

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: G1R346-ECC343
Lab FileID: 1R9275.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\08-31-22\1R9275.D Vial: 30
Acq On : 31-Aug-22, 16:36:58 Operator: TRANGD
Sample : ecc343-4 Inst : VOA12
Misc : gc23880,G1R346,38,20,500,5,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\METHODS\RSK8-23-22.M (ChemStation Integrator)
Title : Dissolved Gases in Water
Last Update : Wed Aug 24 09:01:53 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	500.000	474.915	5.0	115	0.01	0.22- 0.72
2	Acetylene	500.000	569.190	-13.8	133	0.03	0.77- 1.17
3	Ethylene	500.000	487.205	2.6	117	0.03	0.88- 1.68
4	Ethane	500.000	479.748	4.1	115	0.03	1.25- 2.05
5	Propane	500.000	478.465	4.3	115	0.04	3.79- 4.59

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1R9188.D RSK8-23-22.M Thu Sep 01 14:47:39 2022

Run Sequence Report

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: G1R343	**Method:** SW846 8015C	**Instrument ID:** GC1R

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G1R343-IC343	1R9185.D	08/23/22 15:27	n/a	Initial cal 1
G1R343-IC343	1R9186.D	08/23/22 15:35	n/a	Initial cal 2
G1R343-IC343	1R9187.D	08/23/22 15:42	n/a	Initial cal 3
G1R343-IC343	1R9188.D	08/23/22 15:50	n/a	Initial cal 4
G1R343-ICC343	1R9189.D	08/23/22 15:58	n/a	Initial cal 5
G1R343-IC343	1R9190.D	08/23/22 16:06	n/a	Initial cal 6
G1R343-IC343	1R9191.D	08/23/22 16:15	n/a	Initial cal 7
G1R343-ICV343	1R9192.D	08/23/22 16:24	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: G1R345 **Method:** RSKSOP-147/175 **Instrument ID:** GC1R

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G1R345-CC343	1R9214.D	08/30/22 09:12	n/a	Continuing cal 5
G1R345-BS	1R9216.D	08/30/22 09:41	n/a	Blank Spike
G1R345-BSD	1R9217.D	08/30/22 10:08	n/a	Blank Spike Duplicate
FA98473-11	1R9220.D	08/30/22 10:50	n/a	(used for QC only; not part of job FA98468)
ZZZZZZ	1R9221.D	08/30/22 10:58	n/a	(unrelated sample)
FA98474-2	1R9222.D	08/30/22 11:07	n/a	(used for QC only; not part of job FA98468)
ZZZZZZ	1R9223.D	08/30/22 11:15	n/a	(unrelated sample)
G1R345-MB	1R9224.D	08/30/22 11:31	n/a	Method Blank
G1R345-CC343	1R9225.D	08/30/22 12:45	n/a	Continuing cal 5
FA98473-11	1R9226.D	08/30/22 13:04	n/a	(used for QC only; not part of job FA98468)
FA98473-11DUP	1R9227.D	08/30/22 13:13	n/a	Duplicate
FA98474-2	1R9228.D	08/30/22 13:22	n/a	(used for QC only; not part of job FA98468)
FA98474-2DUP	1R9229.D	08/30/22 13:33	n/a	Duplicate
ZZZZZZ	1R9230.D	08/30/22 13:44	n/a	(unrelated sample)
ZZZZZZ	1R9231.D	08/30/22 13:53	n/a	(unrelated sample)
FA98474-2MS	1R9233.D	08/30/22 14:15	n/a	Matrix Spike
FA98468-1	1R9235.D	08/30/22 14:34	n/a	LF6MW-12-0822
G1R345-CC343	1R9236.D	08/30/22 14:41	n/a	Continuing cal 5
FA98468-1	1R9238.D	08/30/22 15:04	n/a	LF6MW-12-0822
FA98468-3	1R9240.D	08/30/22 15:20	n/a	LF6SW-1PM-0822
FA98473-11MS	1R9243.D	08/30/22 15:44	n/a	Matrix Spike
G1R345-ECC343	1R9245.D	08/30/22 16:00	n/a	Ending cal 4

Run Sequence Report

Job Number: FA98468
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: G1R346 **Method:** RSKSOP-147/175 **Instrument ID:** GC1R

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G1R346-CC343	1R9247.D	08/31/22 10:50	n/a	Continuing cal 5
G1R346-BS	1R9248.D	08/31/22 11:03	n/a	Blank Spike
G1R346-BSD	1R9249.D	08/31/22 11:21	n/a	Blank Spike Duplicate
G1R346-MB	1R9251.D	08/31/22 11:40	n/a	Method Blank
FA98468-2	1R9252.D	08/31/22 12:37	n/a	LF6MW-39-0822
FA98468-4	1R9253.D	08/31/22 12:50	n/a	LF6VMW-13R-0822
FA98468-6	1R9254.D	08/31/22 12:58	n/a	WL-LF6TW-35-0822
FA98468-5	1R9255.D	08/31/22 13:05	n/a	LF6VMW-13RD-0822
FA98468-7	1R9256.D	08/31/22 13:54	n/a	WL-LF6TW-36-0822
FA98468-8	1R9257.D	08/31/22 14:02	n/a	WL-LF6TW-38-0822
G1R346-CC343	1R9258.D	08/31/22 14:12	n/a	Continuing cal 5
FA98468-9	1R9260.D	08/31/22 14:26	n/a	WL-LF6VMW-26-0822
FA98485-4	1R9261.D	08/31/22 14:33	n/a	(used for QC only; not part of job FA98468)
FA98485-9	1R9266.D	08/31/22 15:17	n/a	(used for QC only; not part of job FA98468)
ZZZZZZ	1R9267.D	08/31/22 15:28	n/a	(unrelated sample)
ZZZZZZ	1R9268.D	08/31/22 15:35	n/a	(unrelated sample)
G1R346-CC343	1R9269.D	08/31/22 15:43	n/a	Continuing cal 5
ZZZZZZ	1R9271.D	08/31/22 16:04	n/a	(unrelated sample)
ZZZZZZ	1R9272.D	08/31/22 16:11	n/a	(unrelated sample)
FA98485-4MS	1R9273.D	08/31/22 16:19	n/a	Matrix Spike
FA98485-9DUP	1R9274.D	08/31/22 16:29	n/a	Duplicate
G1R346-ECC343	1R9275.D	08/31/22 16:36	n/a	Ending cal 4

GC Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9235.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 14:34:03
Operator : TRANGD
Sample : FA98468-1, HS
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 11:12:48 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.407	66460104683	117474.612	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv d
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv d

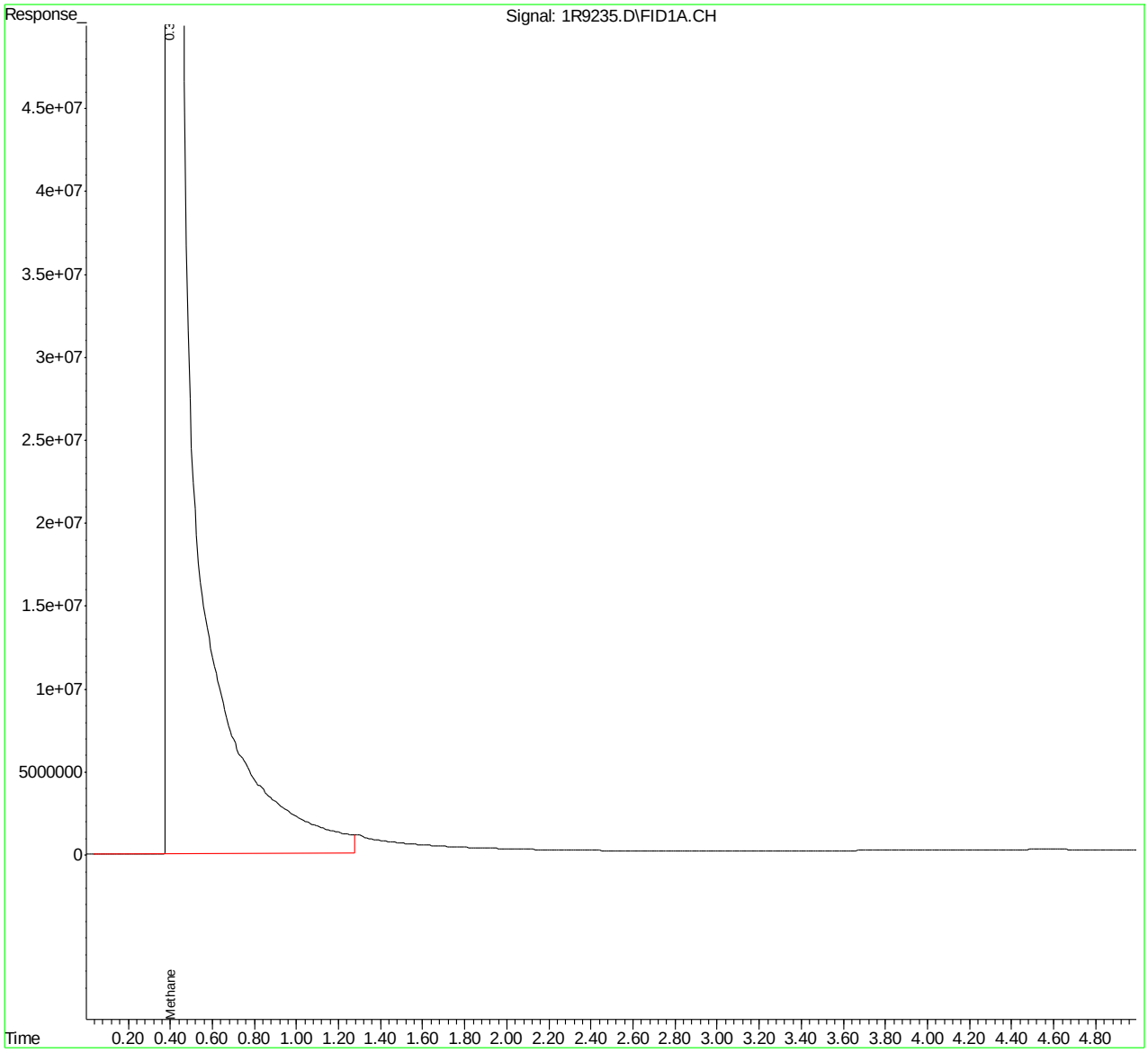
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9235.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 14:34:03
Operator : TRANGD
Sample : FA98468-1, HS
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 11:12:48 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98468-1	**Sample Volume:**	38.0 ml
Lab FileID:	1R9235.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 14:34	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	117474.61	37600	13100	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9238.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 15:04:42
Operator : TRANGD
Sample : FA98468-1,20X
Misc : gc23880,G1R345,38,20,500,5,20
ALS Vial : 28 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 11:13:59 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.427	4641888687	8204.984	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv d
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv

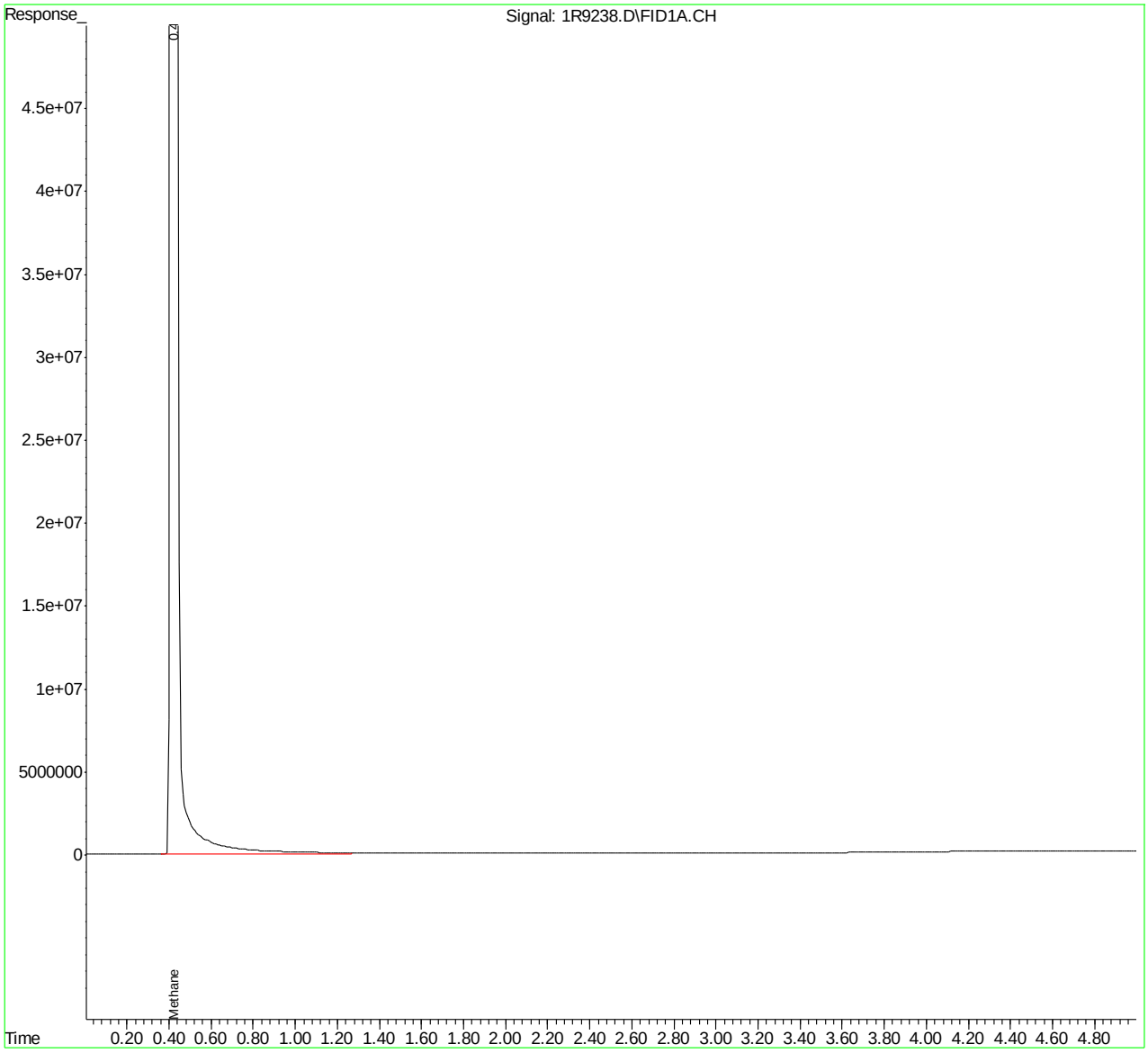
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9238.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 15:04:42
Operator : TRANGD
Sample : FA98468-1,20X
Misc : gc23880,G1R345,38,20,500,5,20
ALS Vial : 28 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 11:13:59 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Wed Aug 31 13:07:10 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	FA98468-1	**Sample Volume:**	38.0 ml
Lab FileID:	1R9238.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 15:04	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	8204.98	37600	18200	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9252.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 12:37:16
Operator : TRANGD
Sample : FA98468-2
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:21:42 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.000	0	N.D.	ppmv d
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv
4)	Ethane	0.000	0	N.D.	ppmv
5)	Propane	0.000	0	N.D.	ppmv

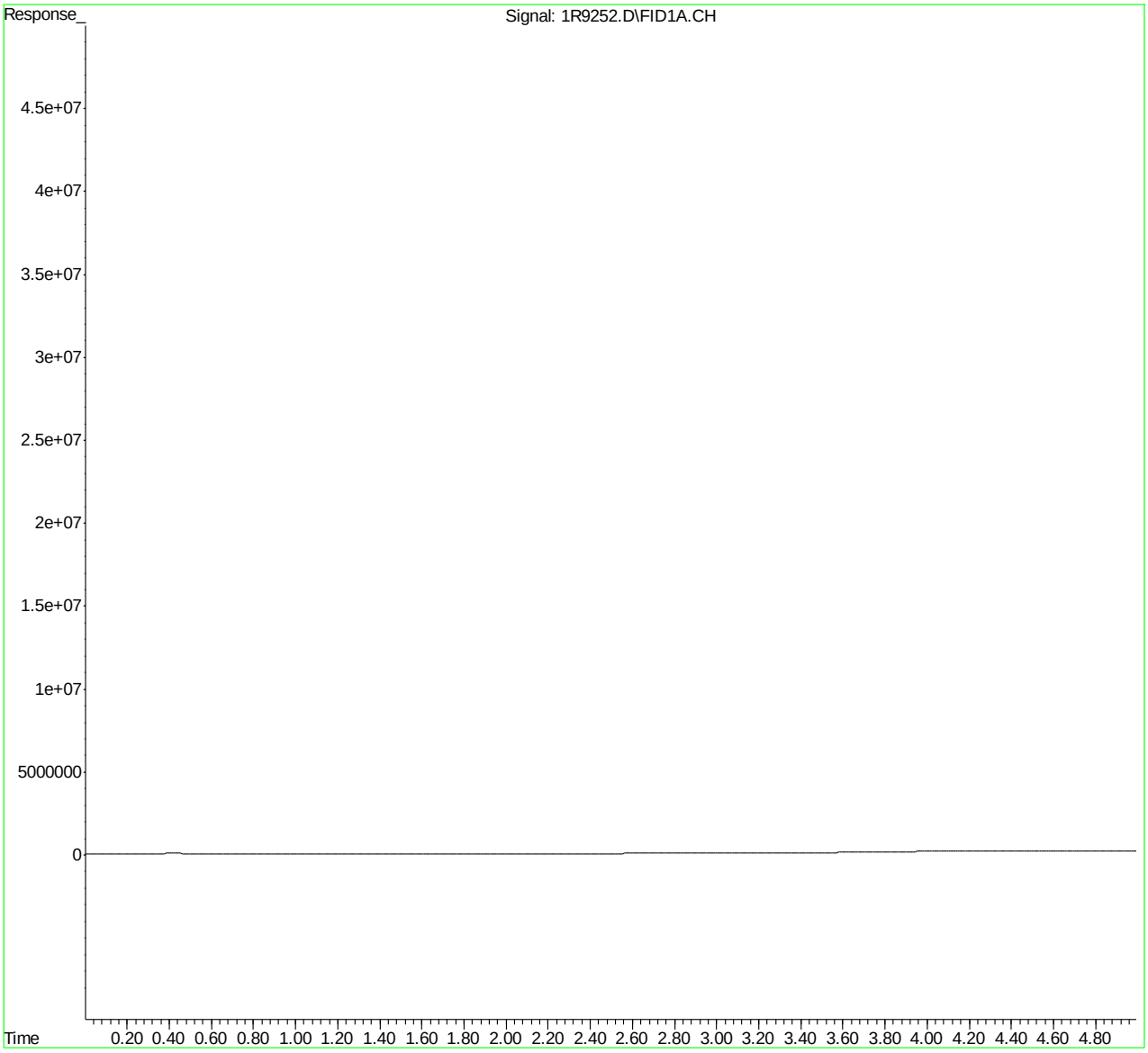
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9252.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 12:37:16
Operator : TRANGD
Sample : FA98468-2
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:21:42 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98468-2	**Sample Volume:**	38.0 ml
Lab FileID:	1R9252.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 12:37	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	0	37600	0.0	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9240.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 15:20:15
Operator : TRANGD
Sample : FA98468-3
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 11:15:53 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.430	189245103	334.509	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv d
3)	Ethylene	0.000	0	N.D.	ppmv d
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv

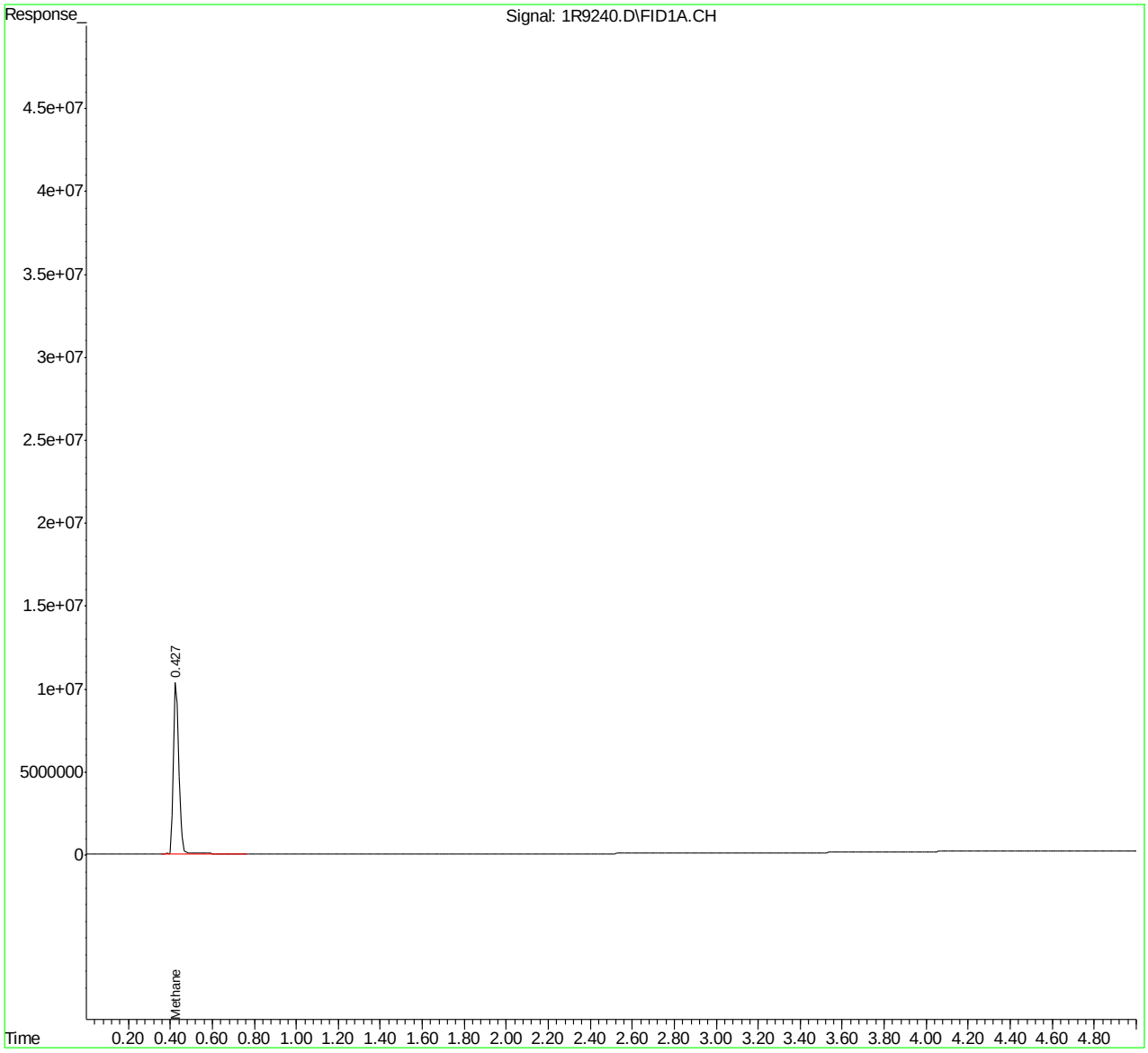
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9240.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 15:20:15
Operator : TRANGD
Sample : FA98468-3
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 11:15:53 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Wed Aug 31 12:06:16 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	FA98468-3	**Sample Volume:**	38.0 ml
Lab FileID:	1R9240.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 15:20	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	334.51	37600	37.2	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9253.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 12:50:59
Operator : TRANGD
Sample : FA98468-4
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:21:59 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.441	4104340	7.255	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv d

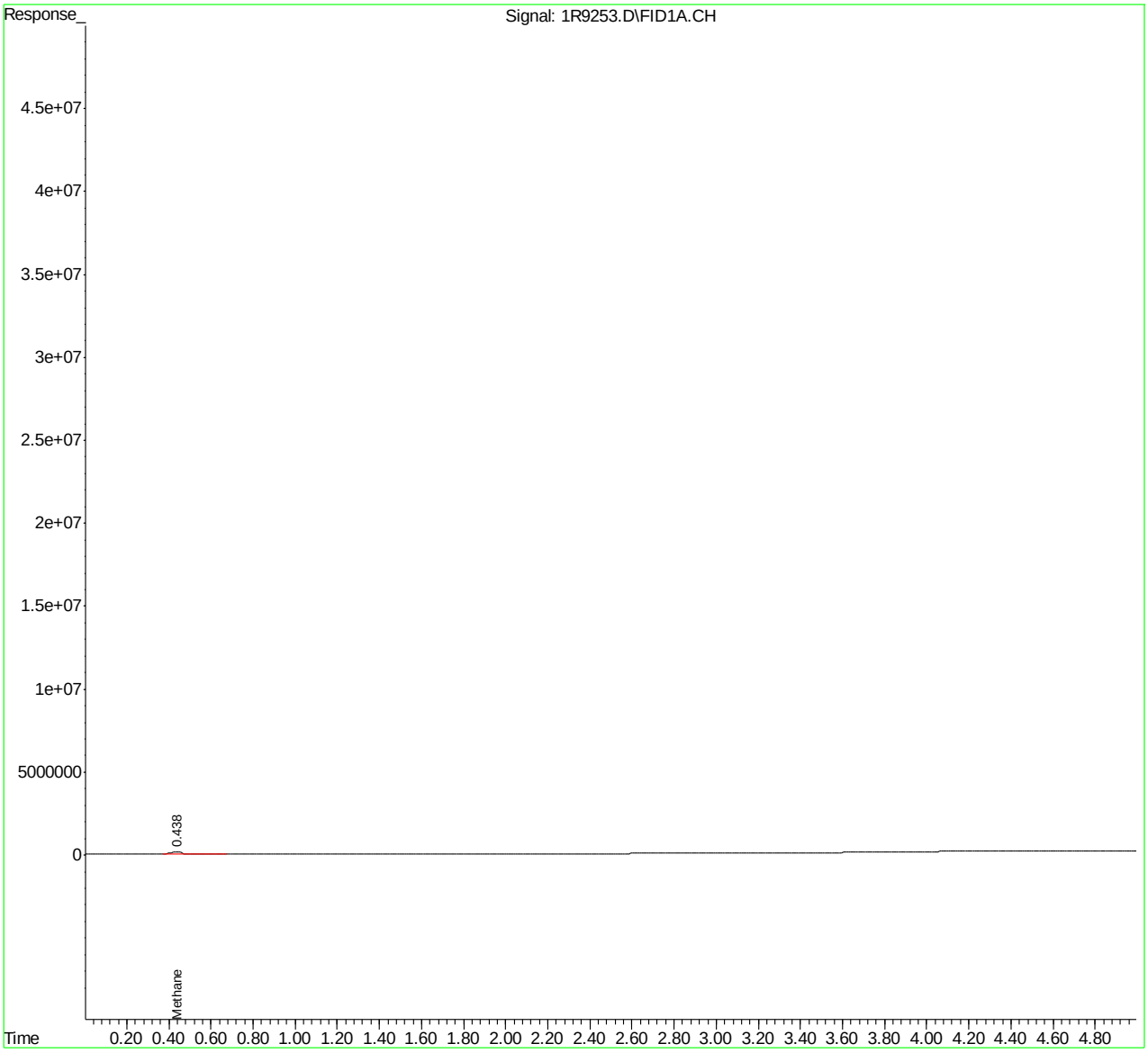
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9253.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 12:50:59
Operator : TRANGD
Sample : FA98468-4
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:21:59 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Thu Sep 01 14:49:13 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	FA98468-4	**Sample Volume:**	38.0 ml
Lab FileID:	1R9253.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 12:50	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	7.25	37600	0.81	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9255.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 13:05:37
Operator : TRANGD
Sample : FA98468-5
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:22:34 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.430	12691473	22.433	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv d

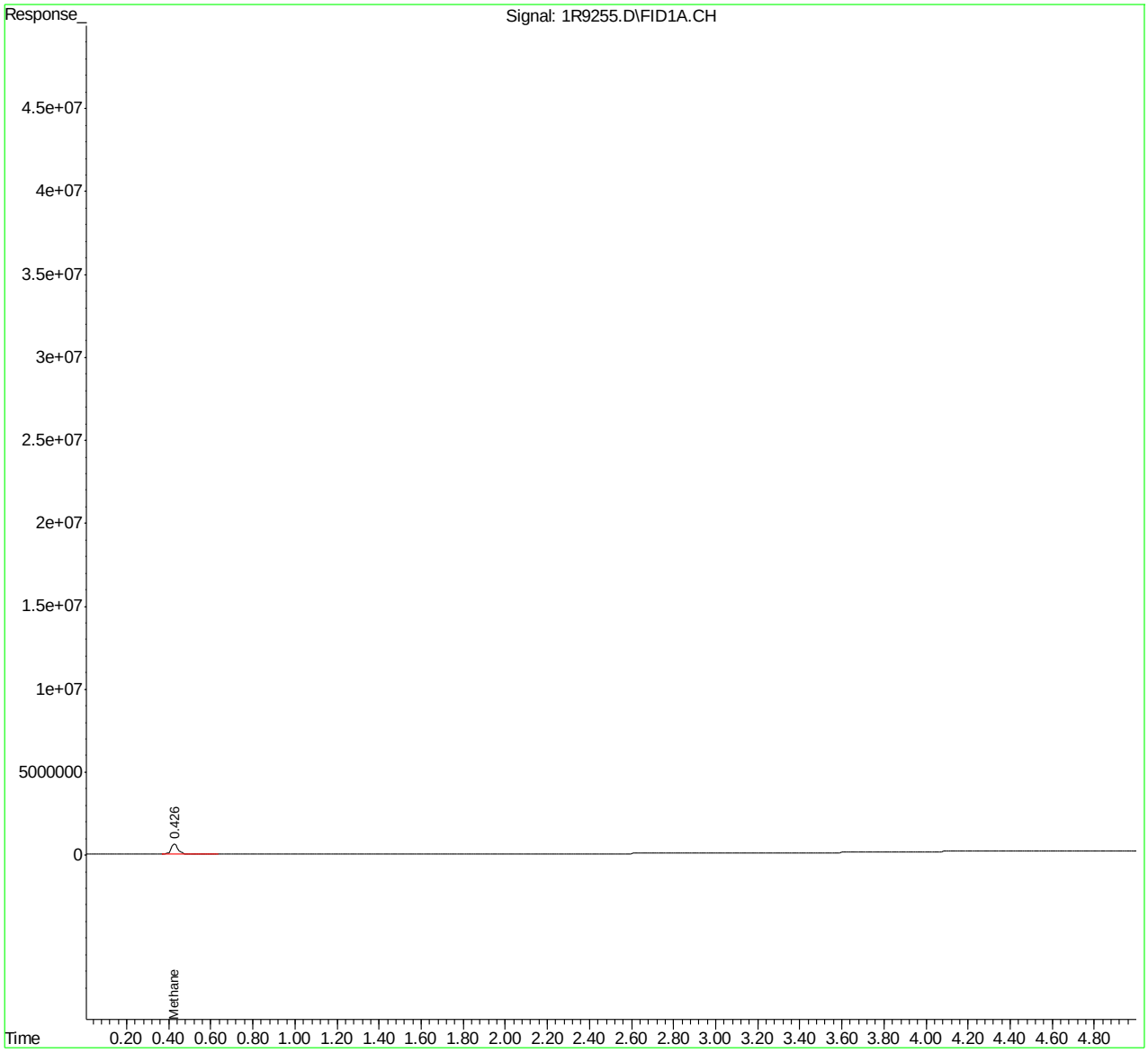
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9255.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 13:05:37
Operator : TRANGD
Sample : FA98468-5
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:22:34 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Thu Sep 01 14:49:17 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	FA98468-5	**Sample Volume:**	38.0 ml
Lab FileID:	1R9255.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 13:05	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	22.43	37600	2.5	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9254.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 12:58:25
Operator : TRANGD
Sample : FA98468-6
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:22:17 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.430	18005131	31.826	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv d
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv d

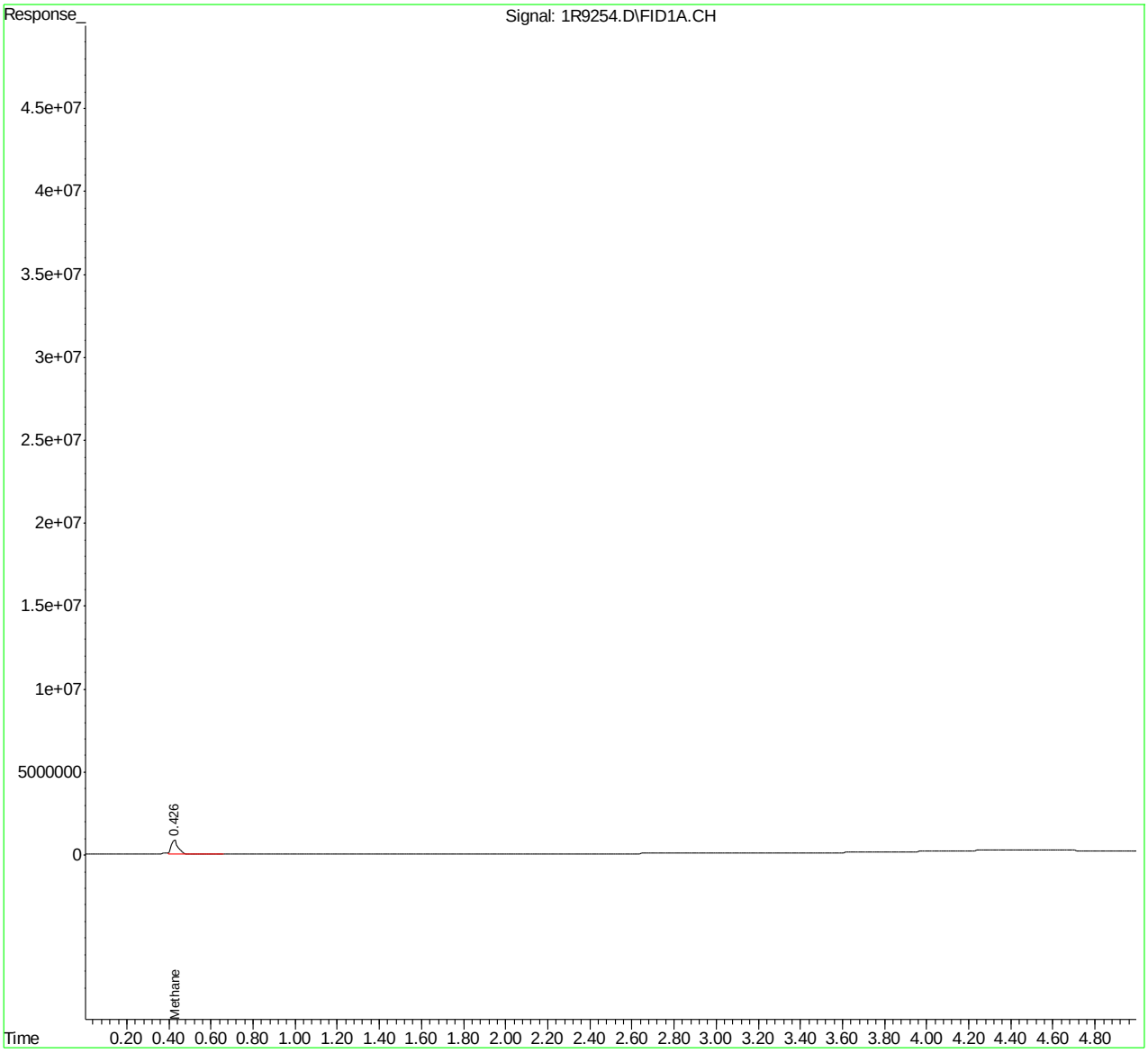
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9254.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 12:58:25
Operator : TRANGD
Sample : FA98468-6
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:22:17 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Wed Sep 07 08:42:36 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	FA98468-6	**Sample Volume:**	38.0 ml
Lab FileID:	1R9254.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 12:58	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	31.83	37600	3.5	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9256.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 13:54:19
Operator : TRANGD
Sample : FA98468-7
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:22:51 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.431	2504126	4.426	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv d

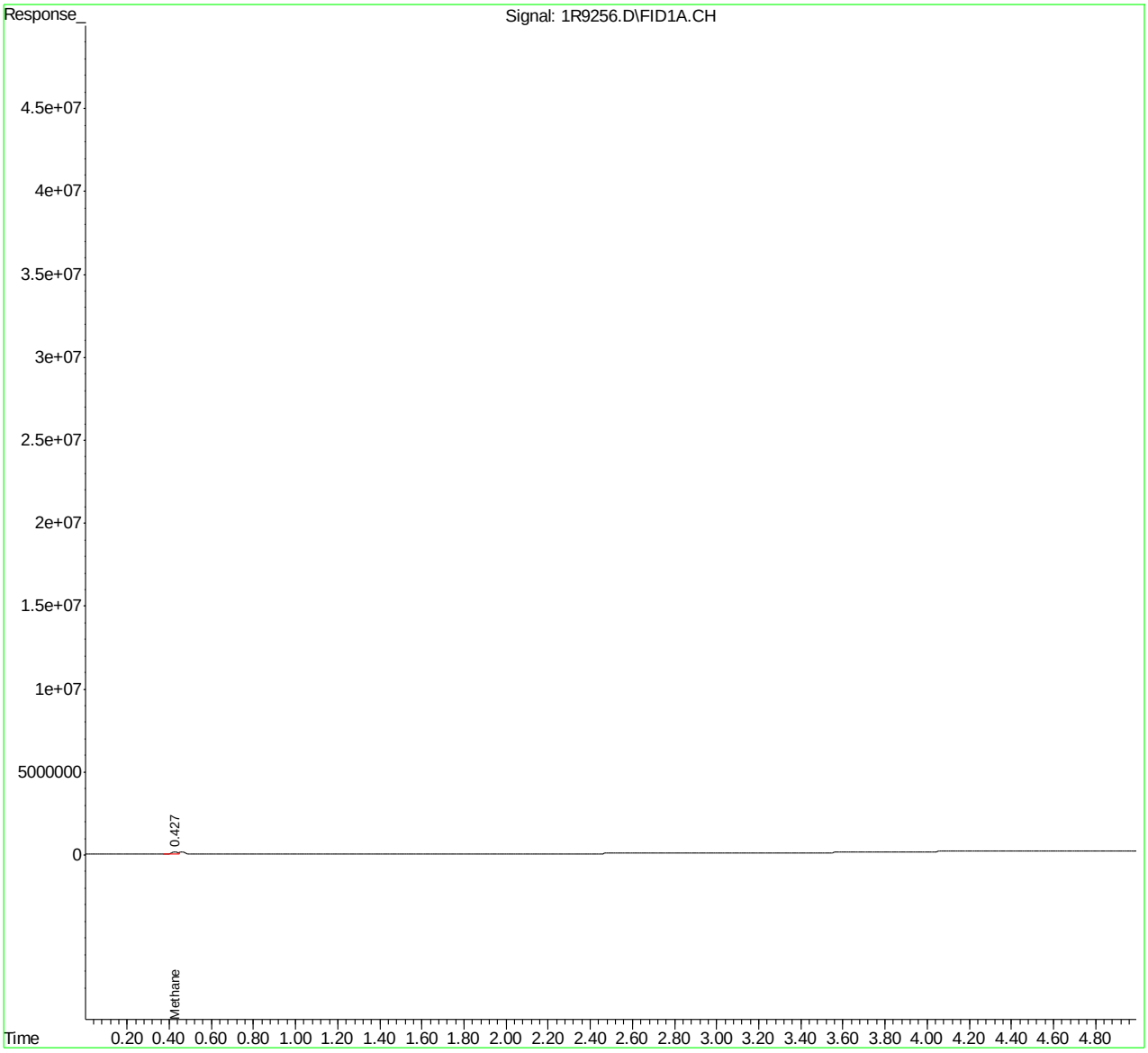
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9256.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 13:54:19
Operator : TRANGD
Sample : FA98468-7
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:22:51 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Thu Sep 01 14:49:19 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	FA98468-7	**Sample Volume:**	38.0 ml
Lab FileID:	1R9256.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 13:54	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	4.43	37600	0.49	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9257.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 14:02:42
Operator : TRANGD
Sample : FA98468-8
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:23:07 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.443	2179029	3.852	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv
4)	Ethane	0.000	0	N.D.	ppmv
5)	Propane	0.000	0	N.D.	ppmv d

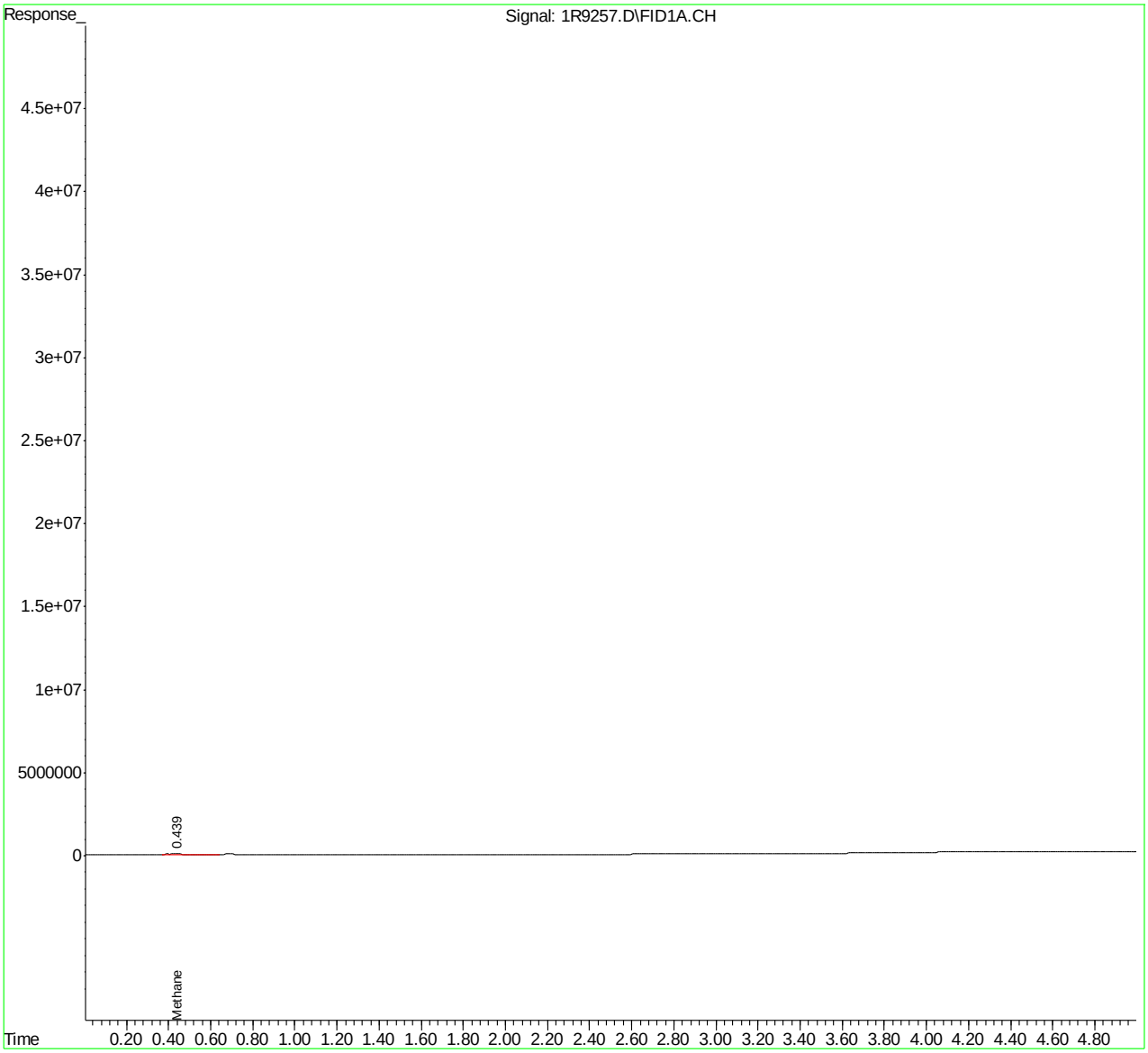
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9257.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 14:02:42
Operator : TRANGD
Sample : FA98468-8
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:23:07 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Thu Sep 01 14:49:21 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	FA98468-8	**Sample Volume:**	38.0 ml
Lab FileID:	1R9257.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 14:02	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	3.85	37600	0.43	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9260.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 14:26:24
Operator : TRANGD
Sample : FA98468-9
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:24:01 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.442	2048522	3.621	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv d

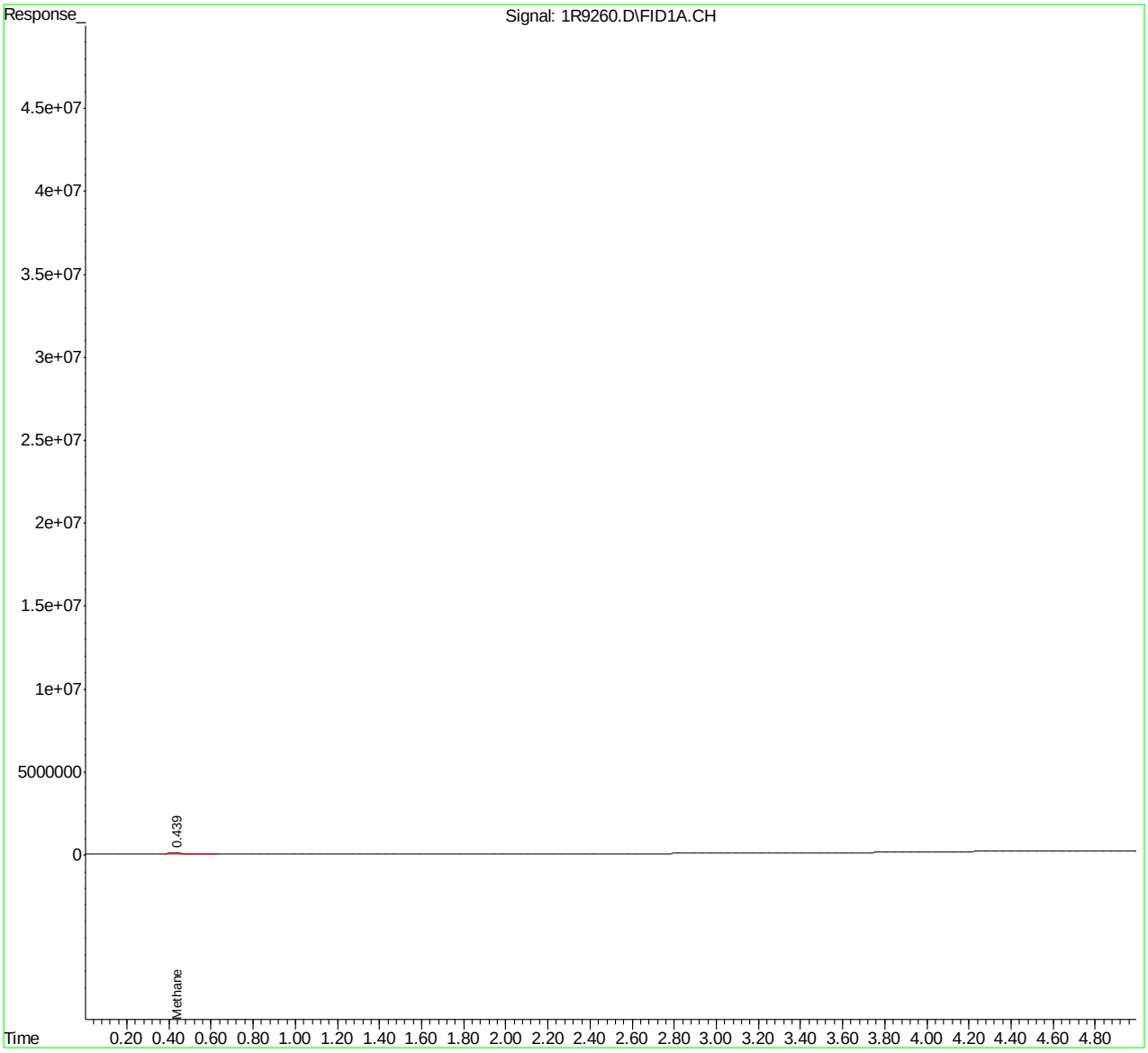
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9260.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 14:26:24
Operator : TRANGD
Sample : FA98468-9
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:24:01 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Thu Sep 01 14:49:27 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	FA98468-9	**Sample Volume:**	38.0 ml
Lab FileID:	1R9260.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 14:26	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	3.62	37600	0.40	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/31/22 17:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9224.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 11:31:15
Operator : TRANGD
Sample : mb
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 11:06:07 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.391	262725	0.464	ppmv	m
2)	Acetylene	0.000	0	N.D.	ppmv	
3)	Ethylene	1.299	159020	<MDL	ppmv	
4)	Ethane	0.000	0	N.D.	ppmv	d
5)	Propane	0.000	0	N.D.	ppmv	

(f)=RT Delta > 1/2 Window (m)=manual int.

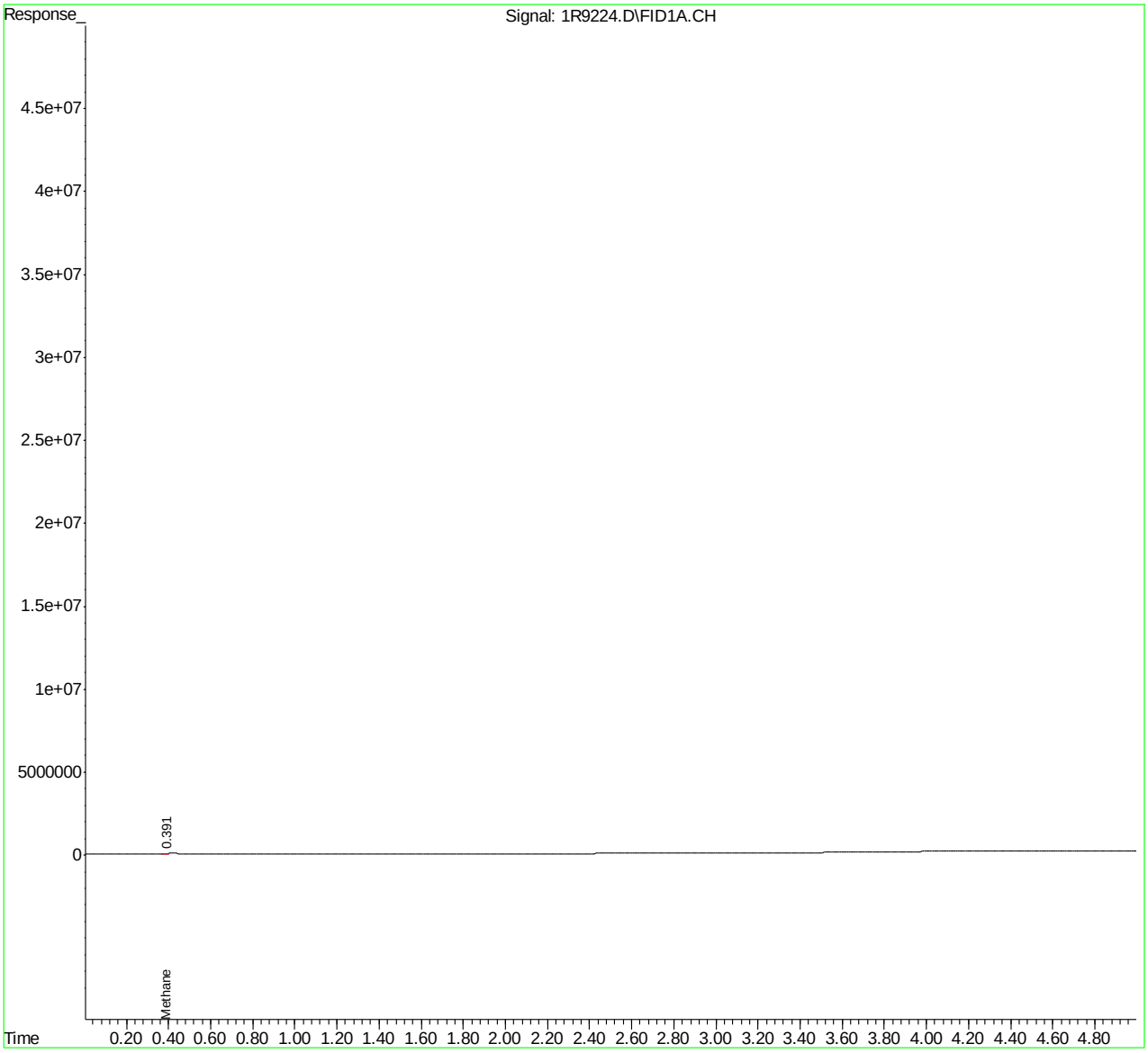
9.2.1
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9224.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 11:31:15
Operator : TRANGD
Sample : mb
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 11:06:07 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Wed Aug 31 12:05:44 2022 Page: 2

Manual Integration Approval Summary

Sample Number: G1R345-MB
Lab FileID: 1R9224.D
Injection Time: 08/30/22 11:31
Method: RSKSOP-147/175
Analyst approved: 08/31/22 11:58 Trang Diep
Supervisor approved: 08/31/22 17:51 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Methane	74-82-8	1	0.39	Poor instrument integration

Dissolved Gases Raw Data Summary

Sample Number:	G1R345-MB	**Sample Volume:**	38.0 ml
Lab FileID:	1R9224.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 11:31	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	0.46	37600	0.0	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9251.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 11:40:08
Operator : TRANGD
Sample : mb
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:19:13 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.000	0	N.D.	ppmv d
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv
4)	Ethane	1.967f	139569	<MDL	ppmv
5)	Propane	0.000	0	N.D.	ppmv

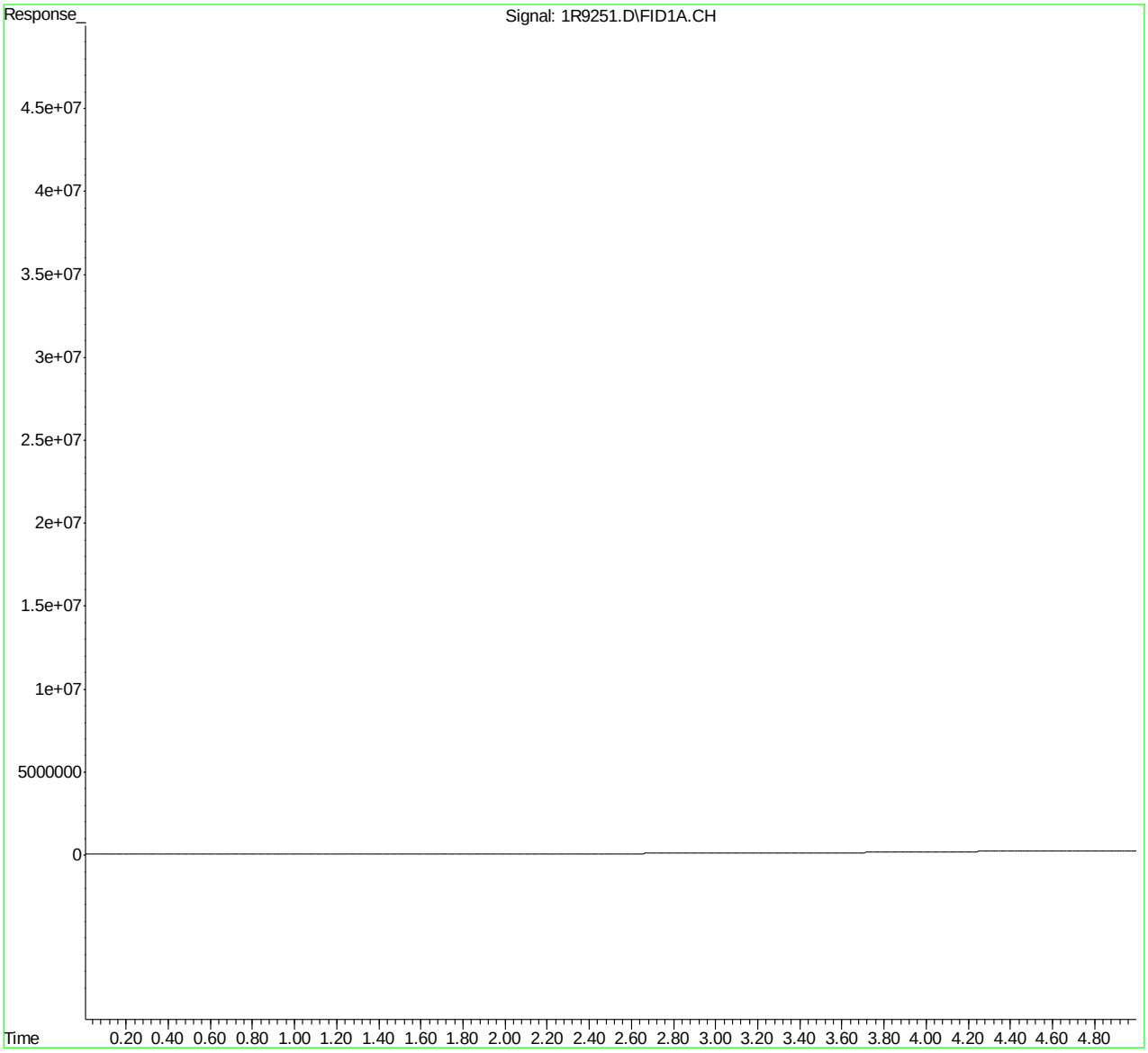
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9251.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 11:40:08
Operator : TRANGD
Sample : mb
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:19:13 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Thu Sep 01 14:49:09 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	G1R346-MB	**Sample Volume:**	38.0 ml
Lab FileID:	1R9251.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 11:40	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	0	37600	0.0	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9216.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 09:41:52
Operator : TRANGD
Sample : bs
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 10:17:28 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.423	598734945	1058.321	ppmv
2)	Acetylene	0.972	1348016811	1319.110	ppmv
3)	Ethylene	1.284	1095355673	1081.831	ppmv
4)	Ethane	1.653	1090463931	1076.927	ppmv
5)	Propane	4.197	1444300794	1104.977	ppmv

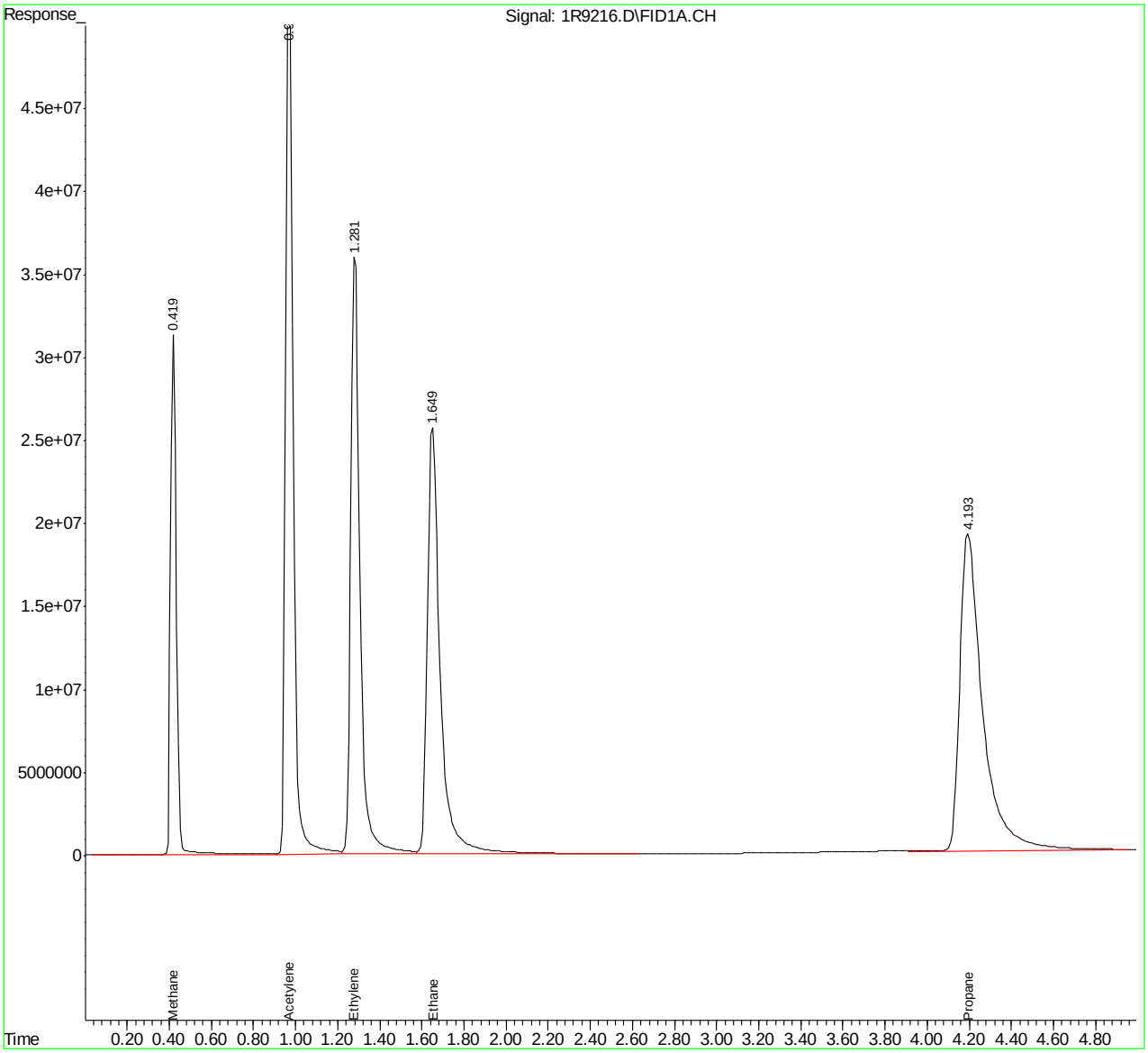
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9216.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 09:41:52
Operator : TRANGD
Sample : bs
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 10:17:28 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	G1R345-BS	**Sample Volume:**	38.0 ml
Lab FileID:	1R9216.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 09:41	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	1058.32	37600	118	ug/l
Ethane	74-84-0	30	1076.93	26300	245	ug/l
Ethene	74-85-1	28	1081.83	10200	331	ug/l
Acetylene	74-86-2	26	1319.11	11940	347	ug/l
Propane	74-98-6	44	1104.98	31474	352	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9217.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 10:08:31
Operator : TRANGD
Sample : bsd
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 10:17:30 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.421	584190364	1032.613	ppmv
2)	Acetylene	0.973	1359751587	1330.037	ppmv
3)	Ethylene	1.285	1110884240	1097.168	ppmv
4)	Ethane	1.653	1104831390	1091.116	ppmv
5)	Propane	4.197	1473311354	1127.172	ppmv

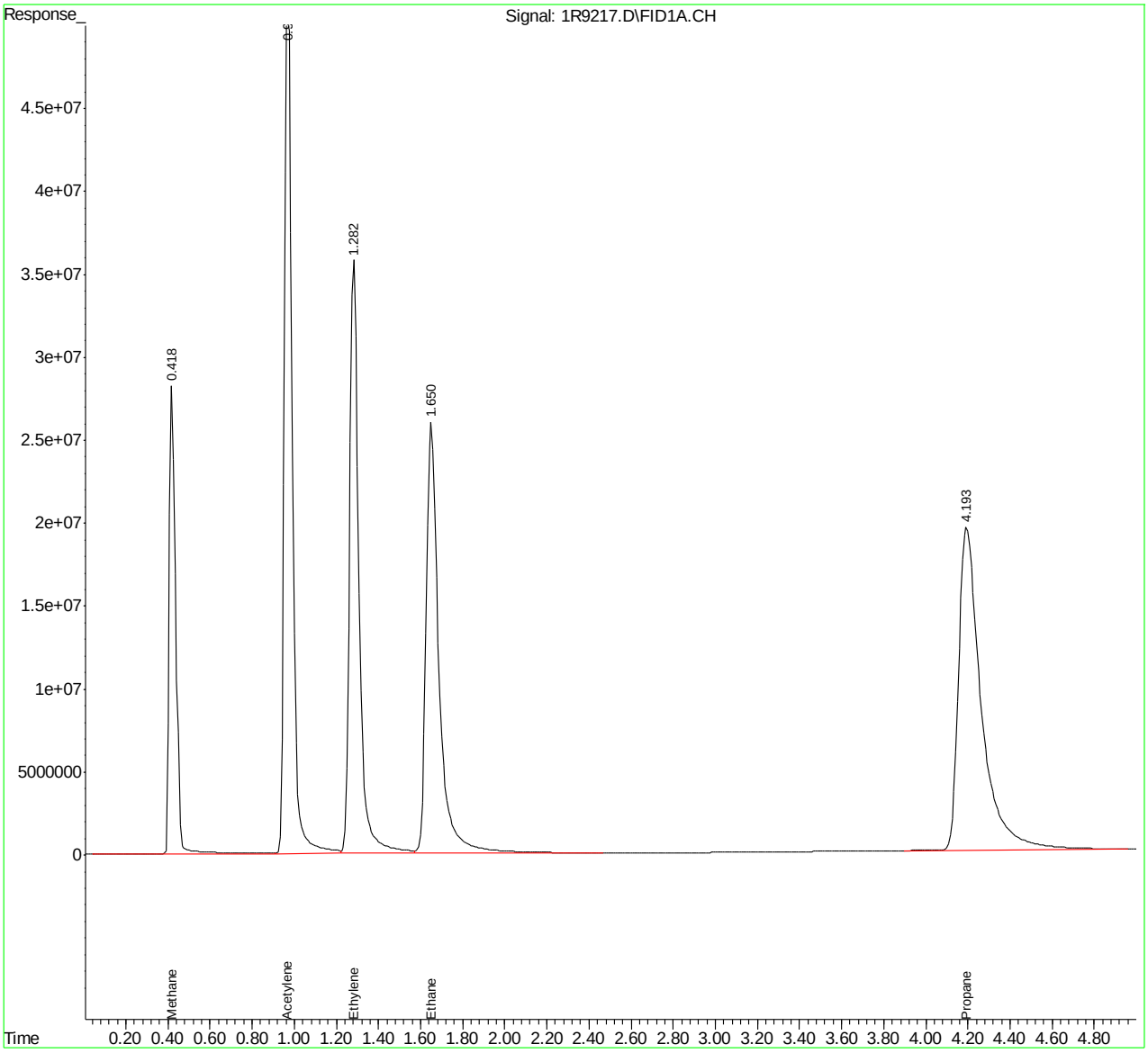
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9217.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 10:08:31
Operator : TRANGD
Sample : bsd
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 10:17:30 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	G1R345-BSD	**Sample Volume:**	38.0 ml
Lab FileID:	1R9217.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 10:08	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	1032.61	37600	115	ug/l
Ethane	74-84-0	30	1091.12	26300	248	ug/l
Ethene	74-85-1	28	1097.17	10200	335	ug/l
Acetylene	74-86-2	26	1330.04	11940	350	ug/l
Propane	74-98-6	44	1127.17	31474	359	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9248.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 11:03:36
Operator : TRANGD
Sample : bs
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:17:06 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.429	497837642	879.976	ppmv
2)	Acetylene	0.985	876690615	872.800	ppmv
3)	Ethylene	1.299	849912321	839.419	ppmv
4)	Ethane	1.670	869071301	858.283	ppmv
5)	Propane	4.222	1099597579	841.258	ppmv

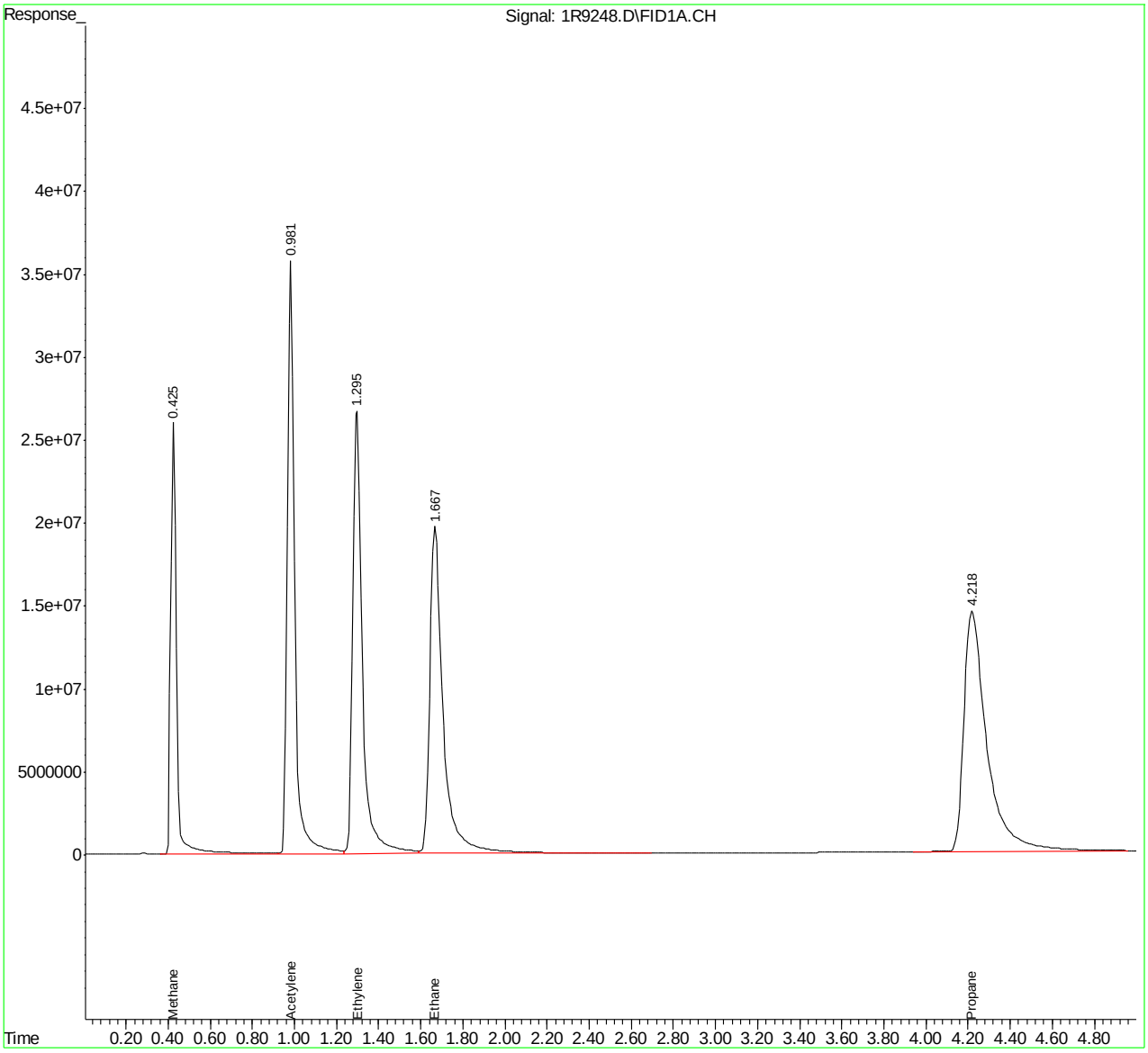
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9248.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 11:03:36
Operator : TRANGD
Sample : bs
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:17:06 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	G1R346-BS	**Sample Volume:**	38.0 ml
Lab FileID:	1R9248.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 11:03	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	879.98	37600	97.8	ug/l
Ethane	74-84-0	30	858.28	26300	195	ug/l
Ethene	74-85-1	28	839.42	10200	257	ug/l
Acetylene	74-86-2	26	872.8	11940	230	ug/l
Propane	74-98-6	44	841.26	31474	268	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9249.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 11:21:55
Operator : TRANGD
Sample : bsd
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:17:08 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.430	480954759	850.134	ppmv
2)	Acetylene	0.986	905967721	900.959	ppmv
3)	Ethylene	1.301	833699365	823.406	ppmv
4)	Ethane	1.673	843832306	833.357	ppmv
5)	Propane	4.225	1075878468	823.112	ppmv

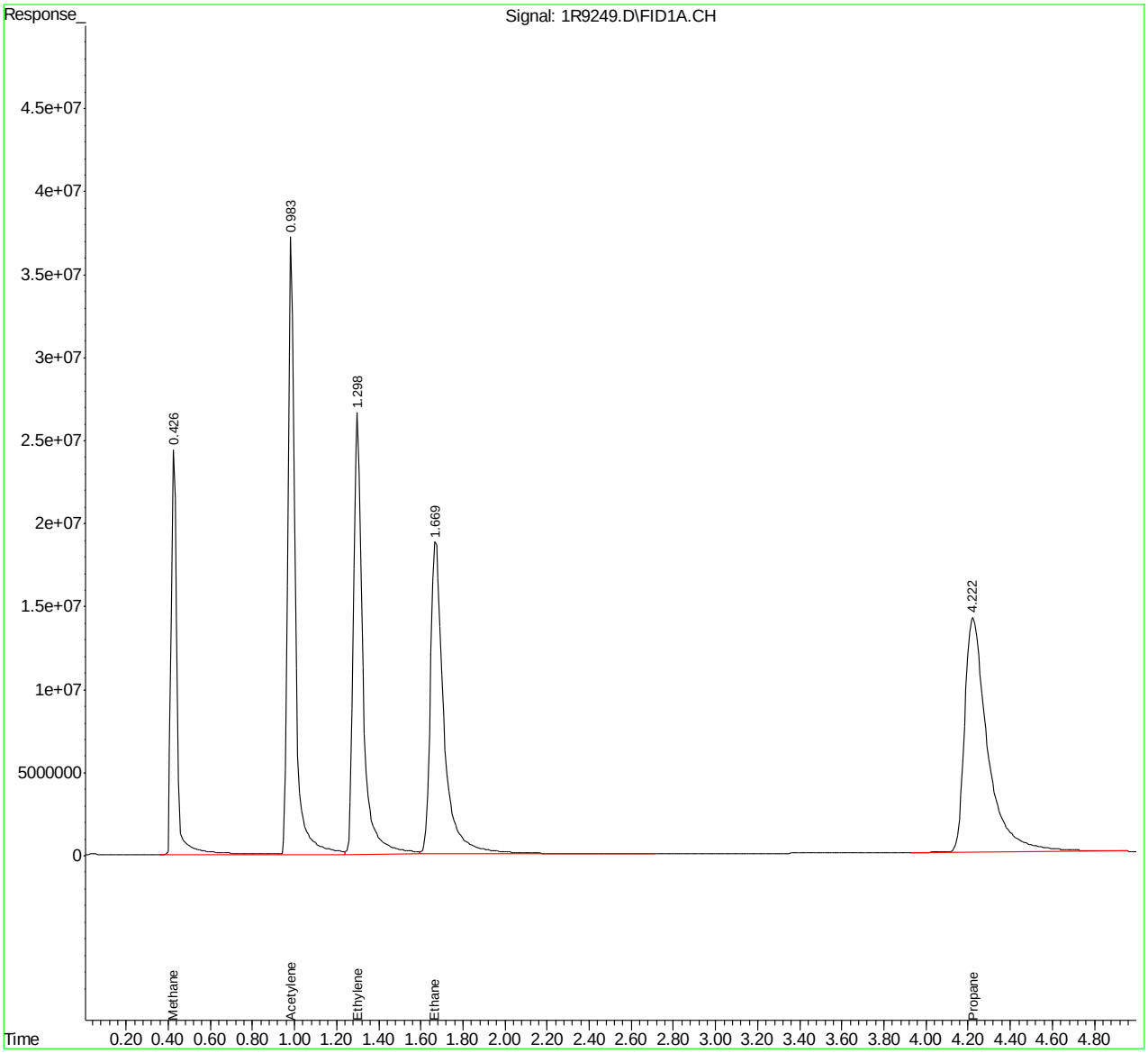
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9249.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 11:21:55
Operator : TRANGD
Sample : bsd
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:17:08 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	G1R346-BSD	**Sample Volume:**	38.0 ml
Lab FileID:	1R9249.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 11:21	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	850.13	37600	94.5	ug/l
Ethane	74-84-0	30	833.36	26300	190	ug/l
Ethene	74-85-1	28	823.41	10200	252	ug/l
Acetylene	74-86-2	26	900.96	11940	237	ug/l
Propane	74-98-6	44	823.11	31474	262	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9243.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 15:44:02
Operator : TRANGD
Sample : FA98473-11ms,10x
Misc : gc23880,G1R345,38,20,500,5,10
ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 10:18:22 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.429	1473678456	2604.868	ppmv
2)	Acetylene	0.984	1185564023	1166.937	ppmv
3)	Ethylene	1.299	1079412285	1066.085	ppmv
4)	Ethane	1.670	1014892431	1002.293	ppmv
5)	Propane	4.218	1322436749	1011.744	ppmv

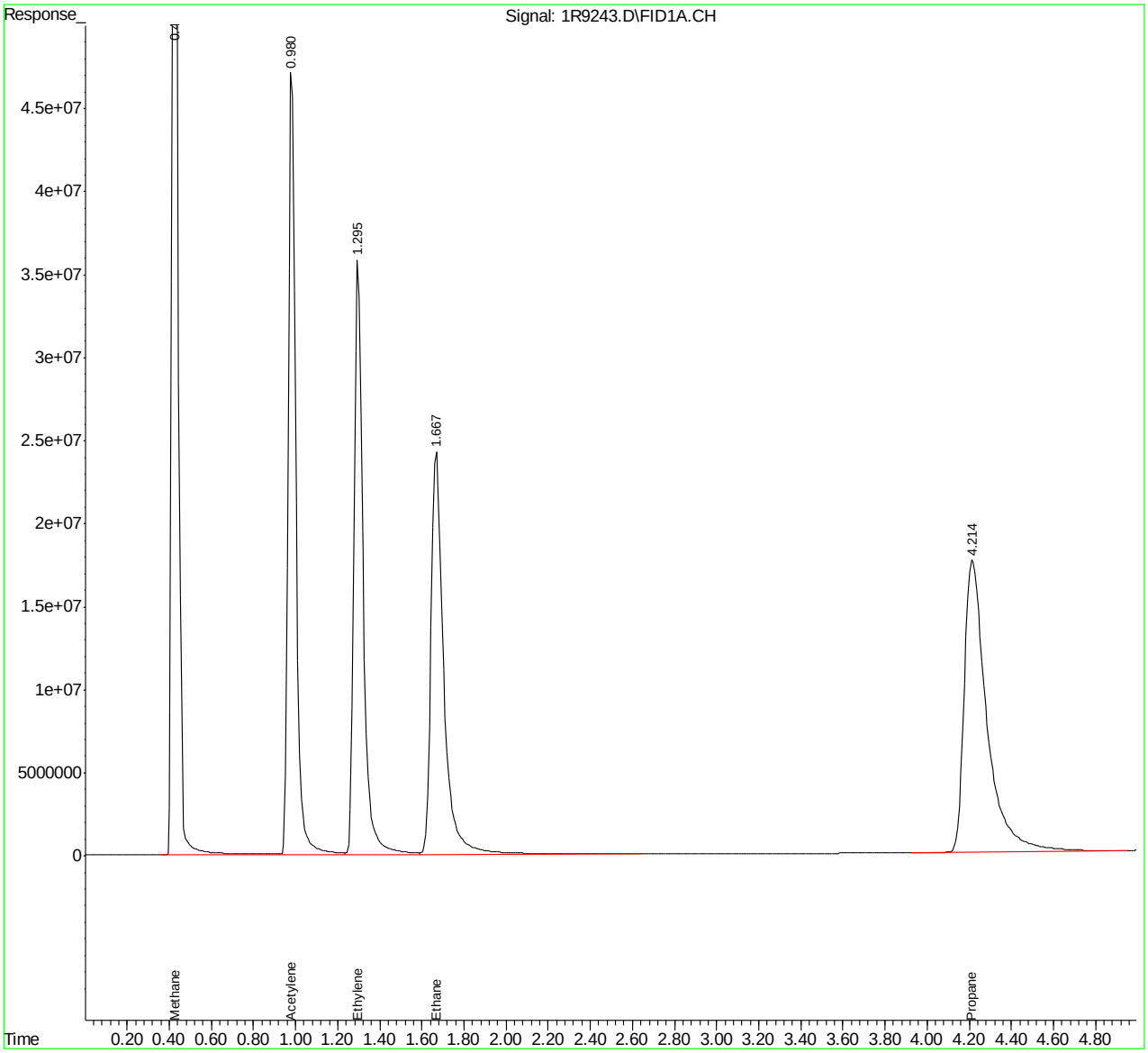
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9243.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 15:44:02
Operator : TRANGD
Sample : FA98473-11ms,10x
Misc : gc23880,G1R345,38,20,500,5,10
ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 10:18:22 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98473-11MS	**Sample Volume:**	38.0 ml
Lab FileID:	1R9243.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 15:44	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	2604.87	37600	2900	ug/l
Ethane	74-84-0	30	1002.29	26300	2280	ug/l
Ethene	74-85-1	28	1066.08	10200	3260	ug/l
Acetylene	74-86-2	26	1166.94	11940	3070	ug/l
Propane	74-98-6	44	1011.74	31474	3220	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 09/01/22 17:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9273.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 16:19:08
Operator : TRANGD
Sample : FA98485-4MS
Misc : gc23883,G1R346,38,20,500,5,1
ALS Vial : 28 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:30:39 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.431	955805538	1689.478	ppmv	
2)	Acetylene	0.991	969285289	961.656	ppmv	
3)	Ethylene	1.309	901577875	890.446	ppmv	
4)	Ethane	1.681	912048158	900.726	ppmv	
5)	Propane	4.228	1167953083	893.554	ppmv	m

(f)=RT Delta > 1/2 Window (m)=manual int.

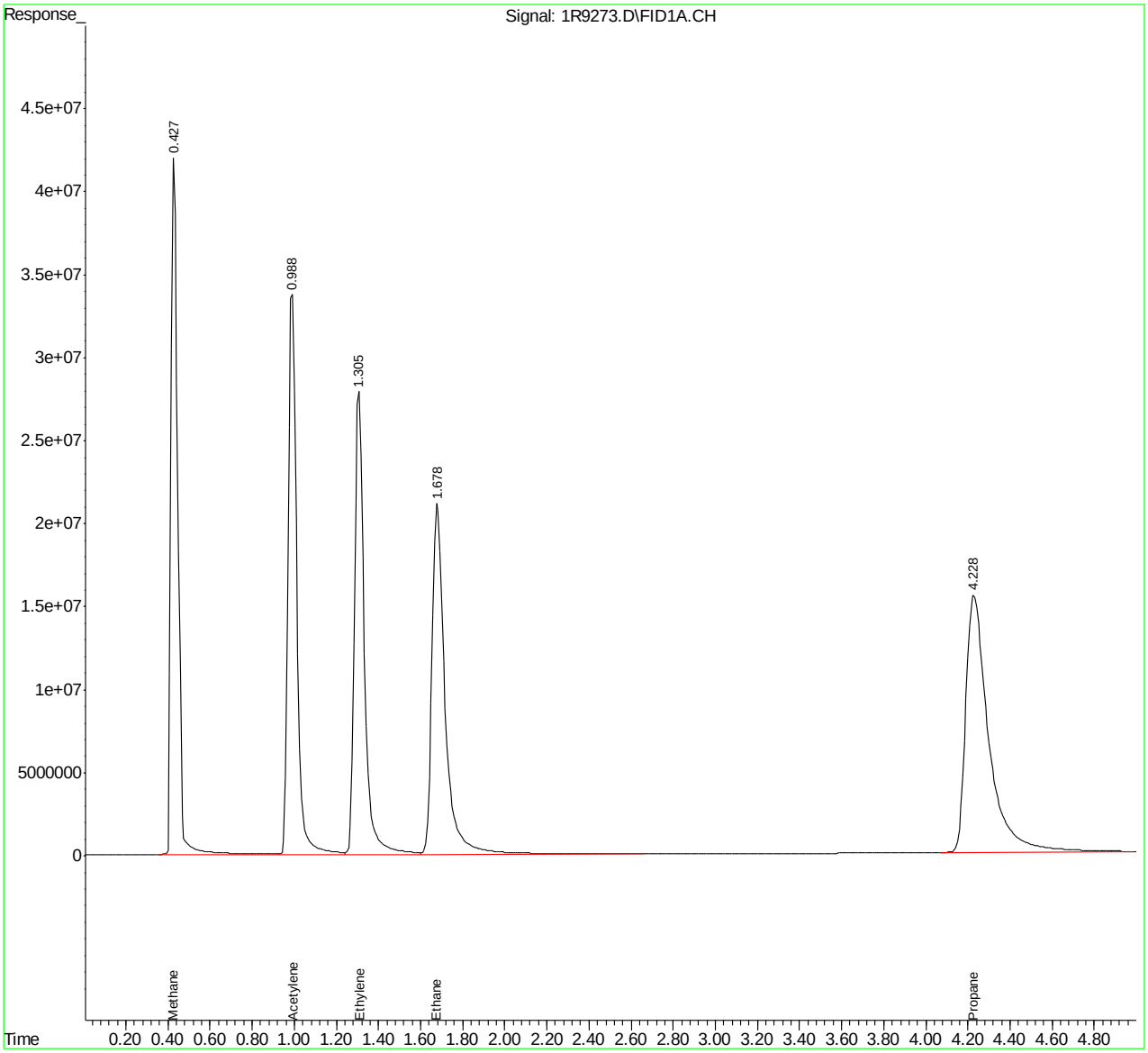
9.4.2
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9273.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 16:19:08
Operator : TRANGD
Sample : FA98485-4MS
Misc : gc23883,G1R346,38,20,500,5,1
ALS Vial : 28 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:30:39 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: FA98485-4MS
Lab FileID: 1R9273.D
Injection Time: 08/31/22 16:19
Method: RSKSOP-147/175
Analyst approved: 09/01/22 14:51 Trang Diep
Supervisor approved: 09/01/22 17:42 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	4.23	Poor instrument integration

Dissolved Gases Raw Data Summary

Sample Number:	FA98485-4MS	**Sample Volume:**	38.0 ml
Lab FileID:	1R9273.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 16:19	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	1689.48	37600	188	ug/l
Ethane	74-84-0	30	900.73	26300	205	ug/l
Ethene	74-85-1	28	890.45	10200	272	ug/l
Acetylene	74-86-2	26	961.66	11940	253	ug/l
Propane	74-98-6	44	893.55	31474	285	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/31/22 17:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9227.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 13:13:22
Operator : TRANGD
Sample : FA98473-11dup,10x
Misc : gc23880,G1R345,38,20,500,5,10
ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 10:55:27 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.428	1929065251	3409.808	ppmv	
2)	Acetylene	0.000	0	N.D.	ppmv	
3)	Ethylene	1.302	65806443	64.994	ppmv	
4)	Ethane	1.670	1203081	1.188	ppmv	m
5)	Propane	0.000	0	N.D.	ppmv	d

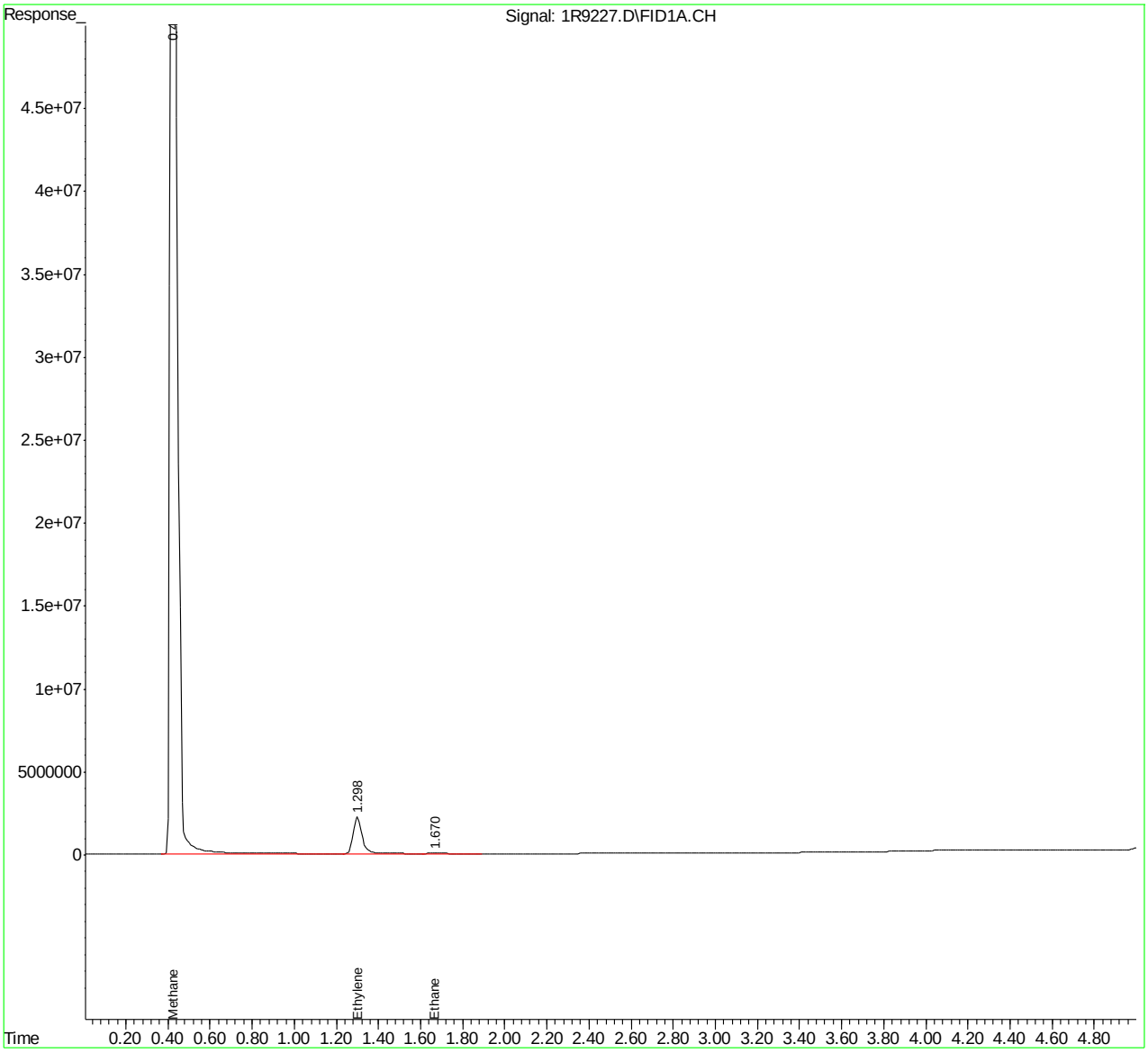
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9227.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 13:13:22
Operator : TRANGD
Sample : FA98473-11dup,10x
Misc : gc23880,G1R345,38,20,500,5,10
ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 10:55:27 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: FA98473-11DUP
Lab FileID: 1R9227.D
Injection Time: 08/30/22 13:13
Method: RSKSOP-147/175
Analyst approved: 08/31/22 11:58 Trang Diep
Supervisor approved: 08/31/22 17:51 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethane	74-84-0	1	1.67	Poor instrument integration

Dissolved Gases Raw Data Summary

Sample Number:	FA98473-11DUP	**Sample Volume:**	38.0 ml
Lab FileID:	1R9227.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 13:13	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	3409.81	37600	3790	ug/l
Ethane	74-84-0	30	1.19	26300	0.0	ug/l
Ethene	74-85-1	28	64.99	10200	199	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9274.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 16:29:12
Operator : TRANGD
Sample : FA98485-9dup
Misc : gc23883,G1R346,38,20,500,5,1
ALS Vial : 29 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:31:03 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.431	533566520	943.130	ppmv	
2)	Acetylene	0.000	0	N.D.	ppmv	d
3)	Ethylene	1.313	197228	<MDL	ppmv	
4)	Ethane	0.000	0	N.D.	ppmv	d
5)	Propane	0.000	0	N.D.	ppmv	d

(f)=RT Delta > 1/2 Window (m)=manual int.

9.5.2

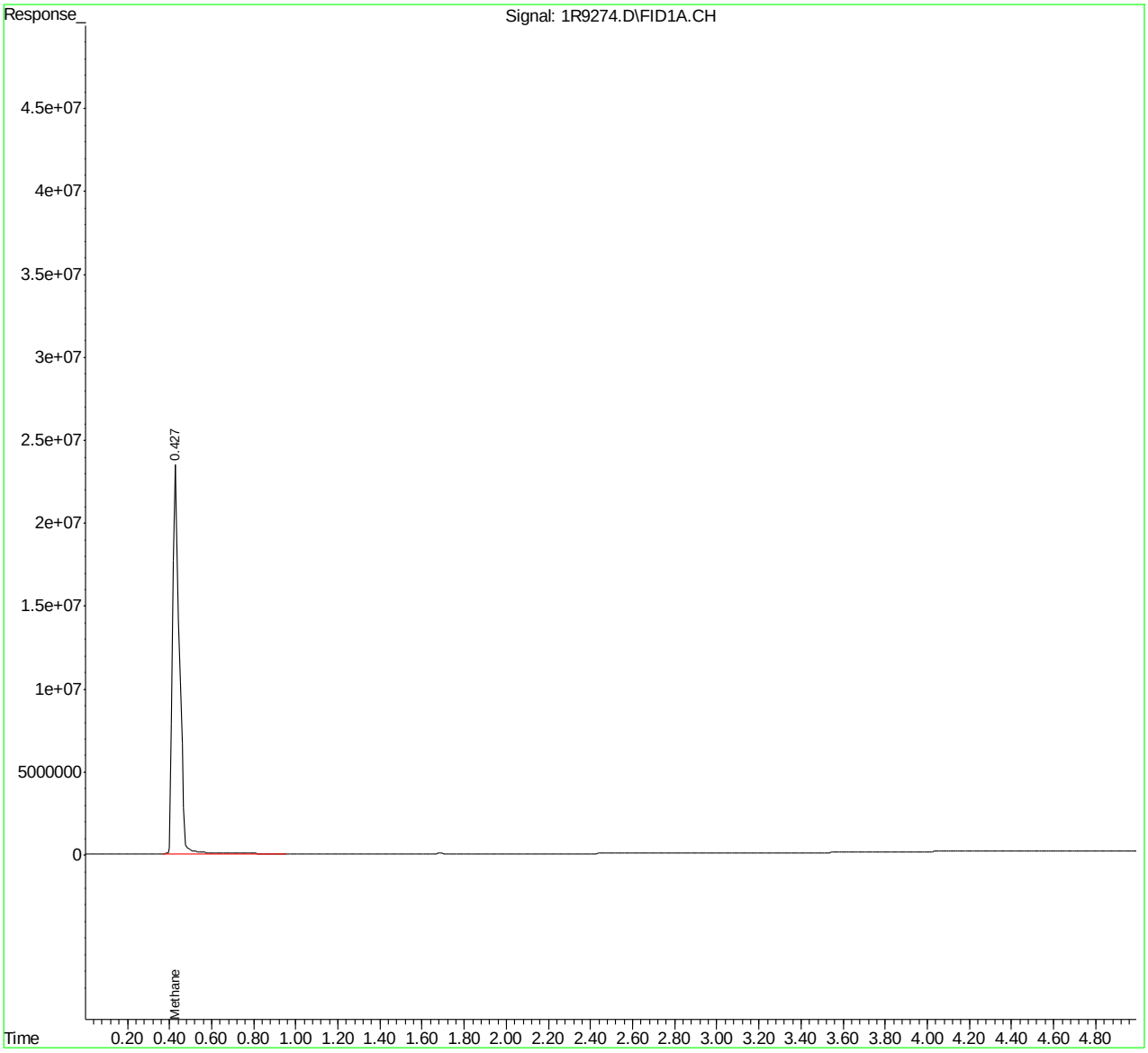
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9274.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 16:29:12
Operator : TRANGD
Sample : FA98485-9dup
Misc : gc23883,G1R346,38,20,500,5,1
ALS Vial : 29 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:31:03 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98485-9DUP	**Sample Volume:**	38.0 ml
Lab FileID:	1R9274.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 16:29	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	943.13	37600	105	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9185.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:27:38
Operator : TRANGD
Sample : ic343-1
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 15:45:27 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 14:24:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	0.421	1016905	2.094 ppmv m
2)	Acetylene	0.981	1692888	1.705 ppmv m
3)	Ethylene	1.297	1548608	1.979 ppmv m
4)	Ethane	1.669	1697734	2.164 ppmv m
5)	Propane	4.226	3178105	3.249 ppmv m

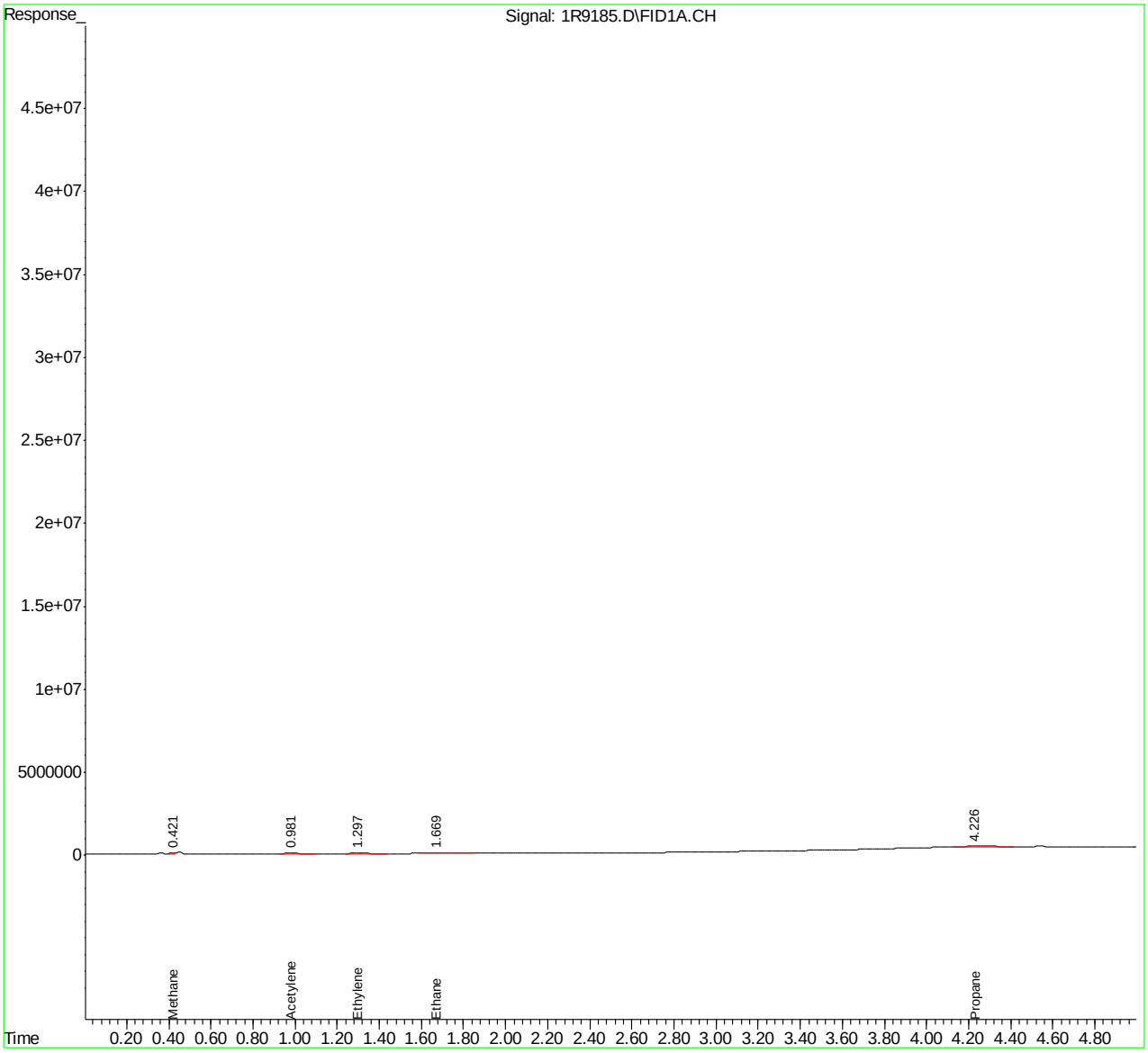
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9185.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:27:38
Operator : TRANGD
Sample : ic343-1
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 15:45:27 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 14:24:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9186.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:35:16
Operator : TRANGD
Sample : ic343-2
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 15:46:03 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 14:24:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.425	10663423	21.960	ppmv	
2)	Acetylene	0.977	17469100	17.594	ppmv	m
3)	Ethylene	1.294	15452527	19.745	ppmv	
4)	Ethane	1.661	15257897	19.447	ppmv	m
5)	Propane	4.211	20412236	20.864	ppmv	m

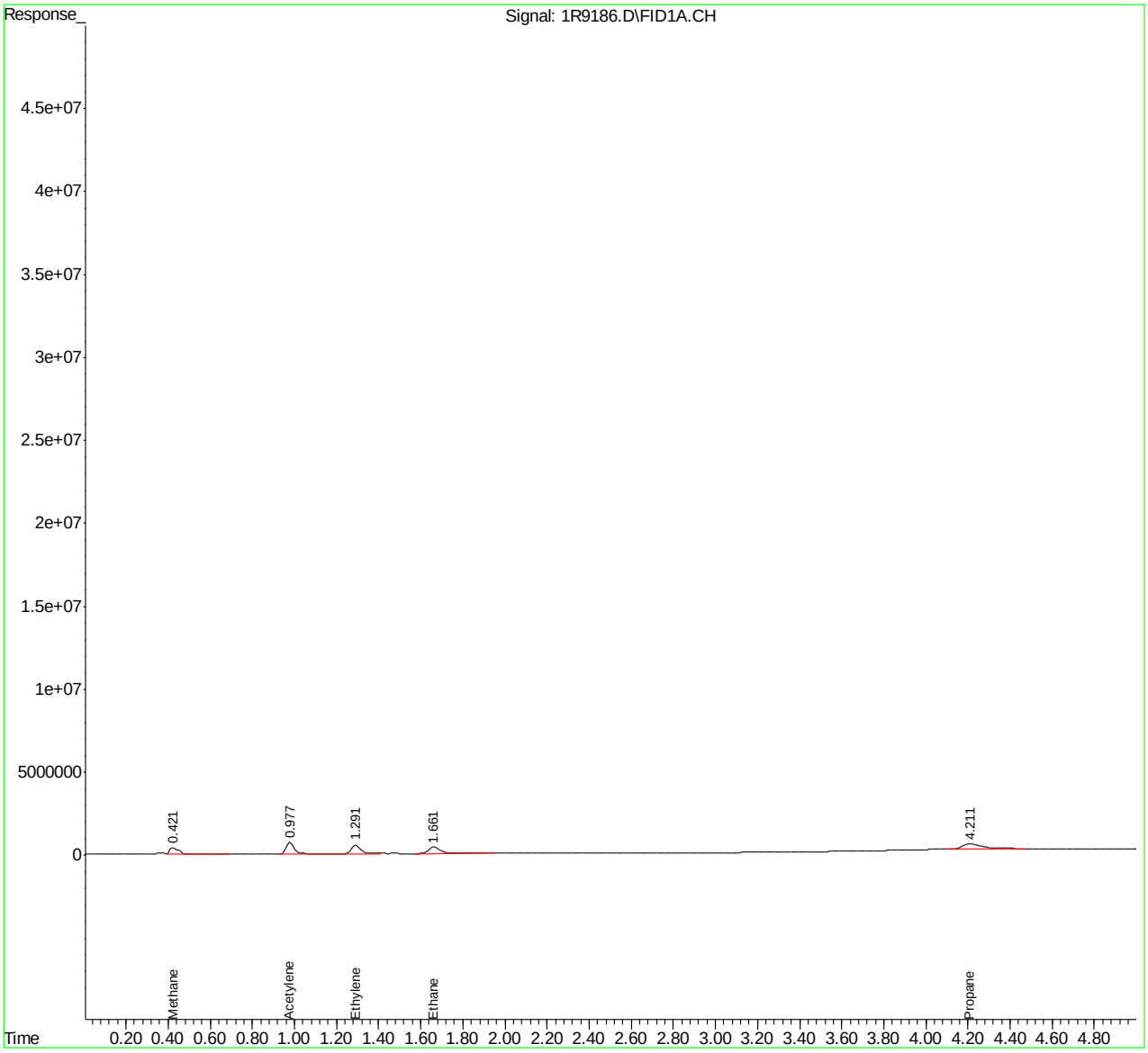
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9186.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:35:16
Operator : TRANGD
Sample : ic343-2
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 15:46:03 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 14:24:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9187.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:42:38
Operator : TRANGD
Sample : ic343-3
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 15:48:07 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 14:24:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.425	49893912	102.750	ppmv	
2)	Acetylene	0.979	81902309	82.486	ppmv	
3)	Ethylene	1.294	84911843	108.497	ppmv	
4)	Ethane	1.664	82412666	105.040	ppmv	
5)	Propane	4.210	102247534	104.513	ppmv	m

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.3

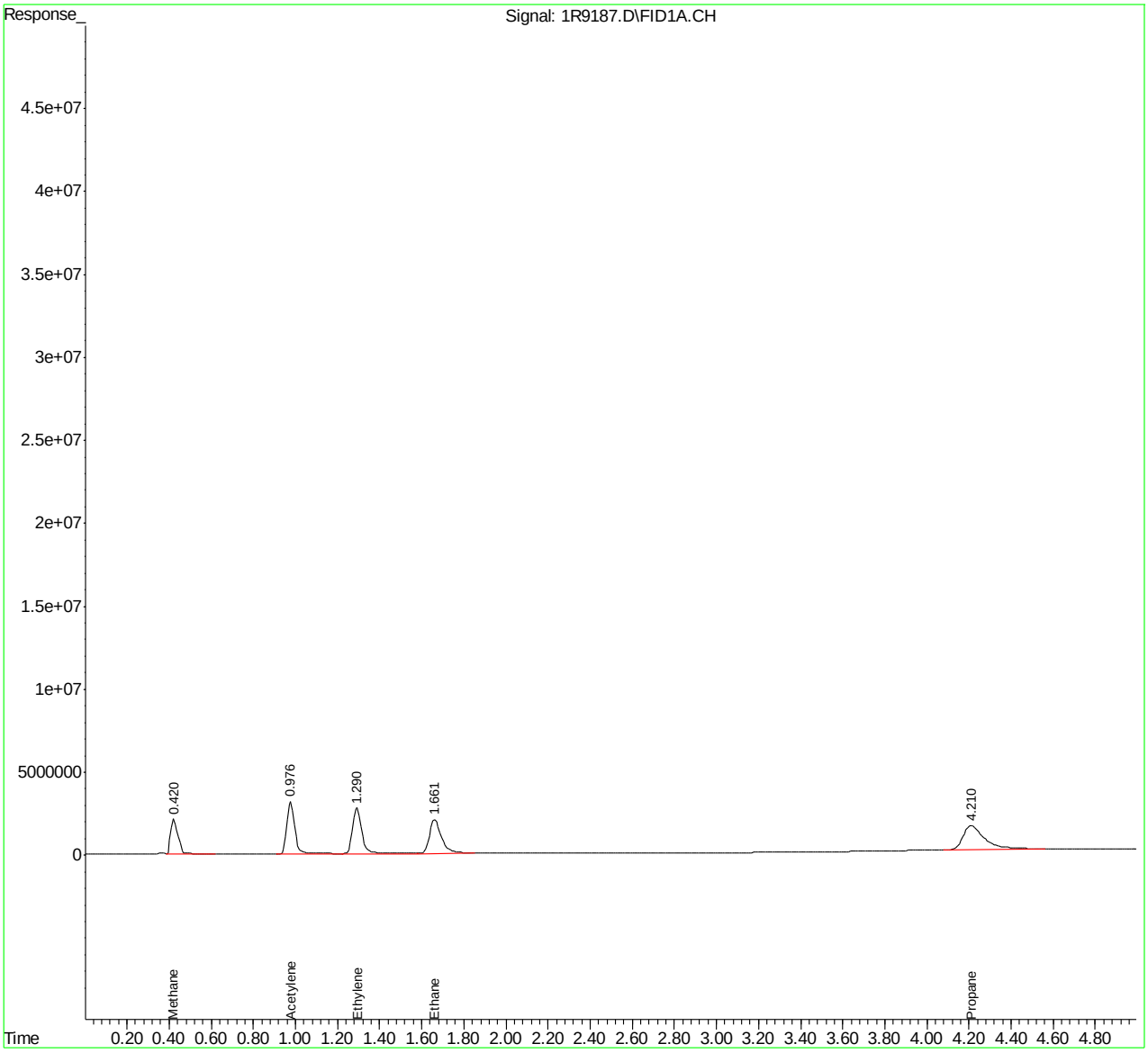
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9187.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:42:38
Operator : TRANGD
Sample : ic343-3
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 15:48:07 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 14:24:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9188.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:50:35
Operator : TRANGD
Sample : ic343-4
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 15:56:12 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 15:54:30 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.426	234500270	418.992	ppmv	
2)	Acetylene	0.977	424449645	401.926	ppmv	
3)	Ethylene	1.290	420303324	458.967	ppmv	
4)	Ethane	1.660	423057319	458.383	ppmv	
5)	Propane	4.204	542733298	421.338	ppmv	m

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.4

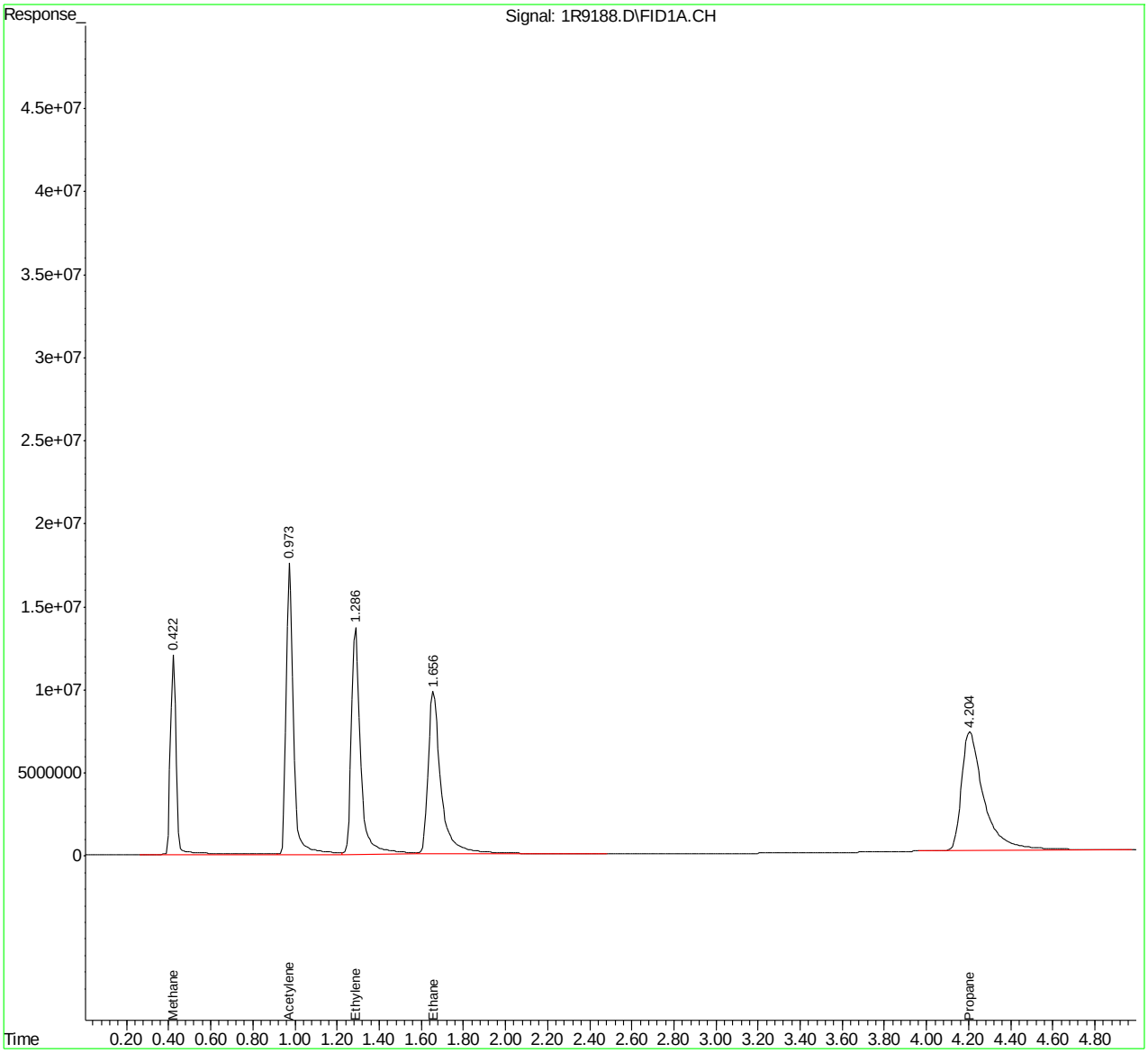
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9188.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:50:35
Operator : TRANGD
Sample : ic343-4
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 15:56:12 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 15:54:30 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9189.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:58:22
Operator : TRANGD
Sample : icc343-5
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 16:03:54 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 15:56:19 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.424	602227778	1090.582	ppmv	
2)	Acetylene	0.977	1165083268	1143.838	ppmv	
3)	Ethylene	1.289	1054031977	1167.222	ppmv	
4)	Ethane	1.657	1031441309	1131.343	ppmv	
5)	Propane	4.195	1242227752	983.515	ppmv	m

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.5

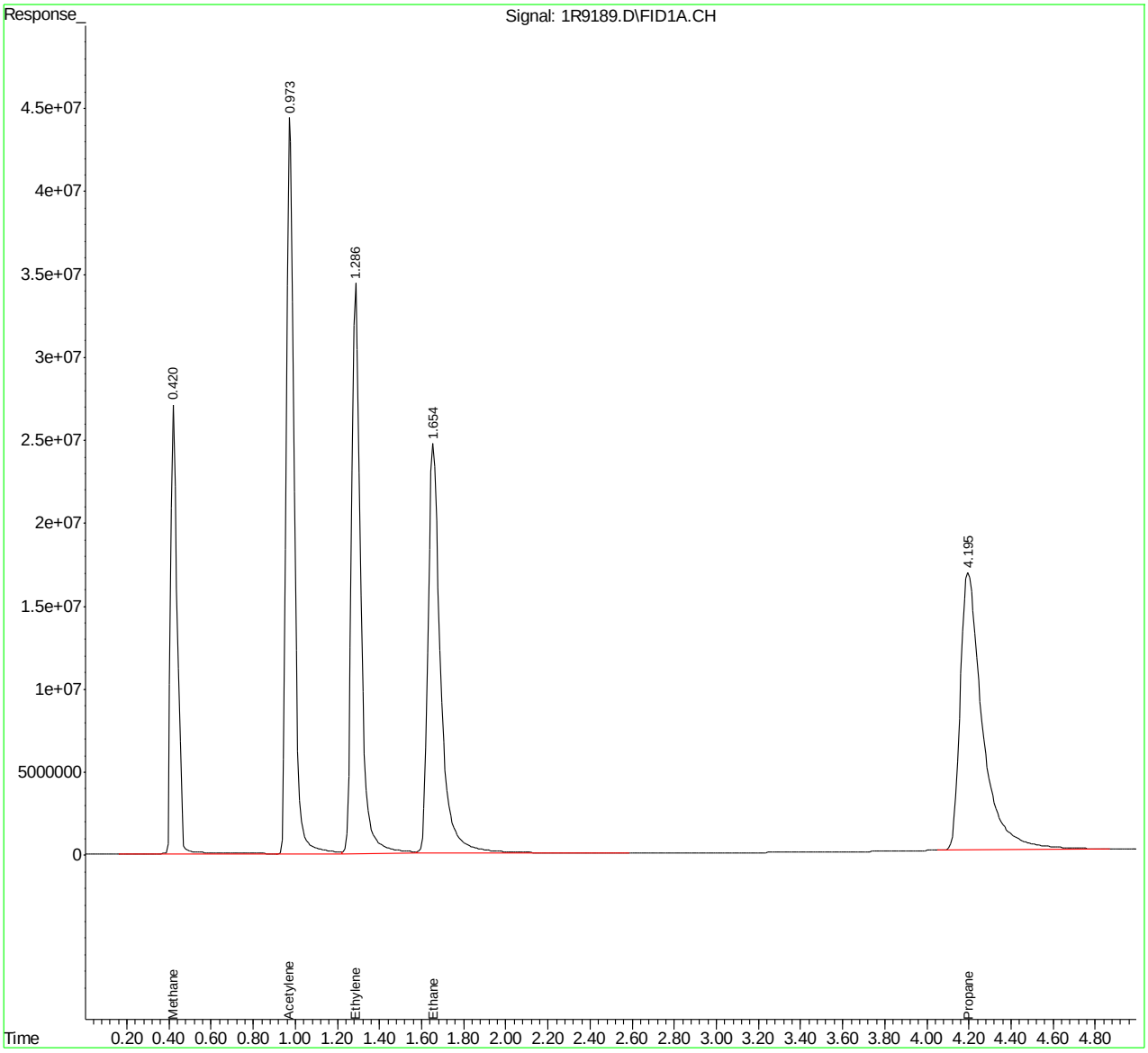
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9189.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:58:22
Operator : TRANGD
Sample : icc343-5
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 16:03:54 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 15:56:19 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9190.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 16:06:19
Operator : TRANGD
Sample : ic343-6
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 16:13:29 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 16:04:01 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.424	2736255124	4851.651	ppmv
2)	Acetylene	0.969	5787373212	5641.337	ppmv
3)	Ethylene	1.270	4721902025	5143.260	ppmv
4)	Ethane	1.632	4803187401	5185.223	ppmv
5)	Propane	4.157	5953414650	4695.825	ppmv

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.6

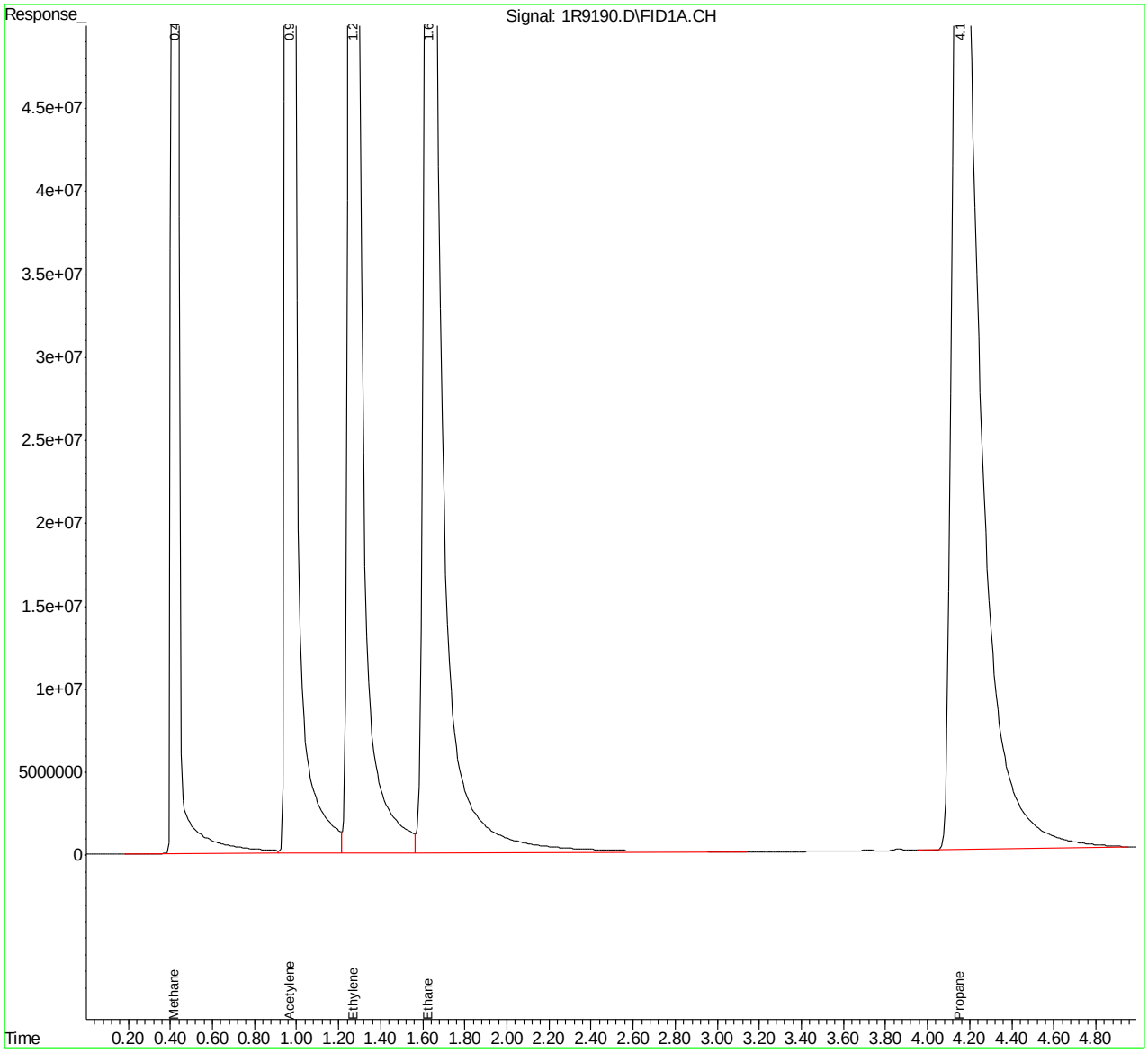
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9190.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 16:06:19
Operator : TRANGD
Sample : ic343-6
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 16:13:29 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 16:04:01 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9191.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 16:15:41
Operator : TRANGD
Sample : ic343-7
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 16:23:17 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 16:04:01 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.422	5702457543	10111.021	ppmv
2)	Acetylene	0.957	13623601056	13279.829	ppmv
3)	Ethylene	1.252	10295622382	11214.349	ppmv
4)	Ethane	1.607	10257995417	11073.895	ppmv
5)	Propane	4.108	13374185018	10549.045	ppmv

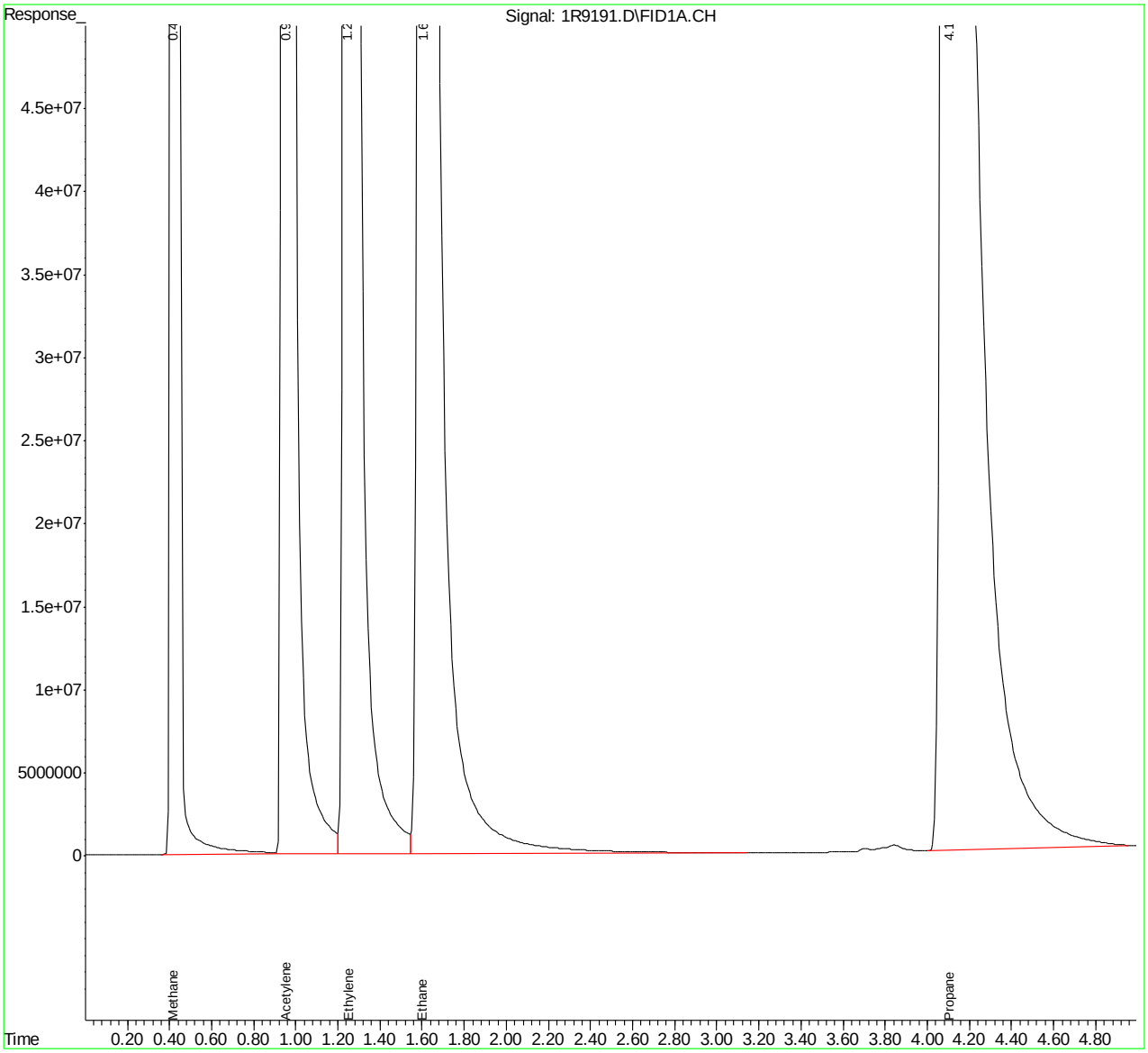
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9191.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 16:15:41
Operator : TRANGD
Sample : ic343-7
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 16:23:17 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 16:04:01 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9192.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 16:24:24
Operator : TRANGD
Sample : icv343-5
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 30 09:06:00 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.420	593756393	1049.521	ppmv
2)	Acetylene	0.969	958218591	951.068	ppmv
3)	Ethylene	1.284	969902545	957.927	ppmv
4)	Ethane	1.653	993442312	981.110	ppmv
5)	Propane	4.198	1263774272	966.863	ppmv

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.8

9

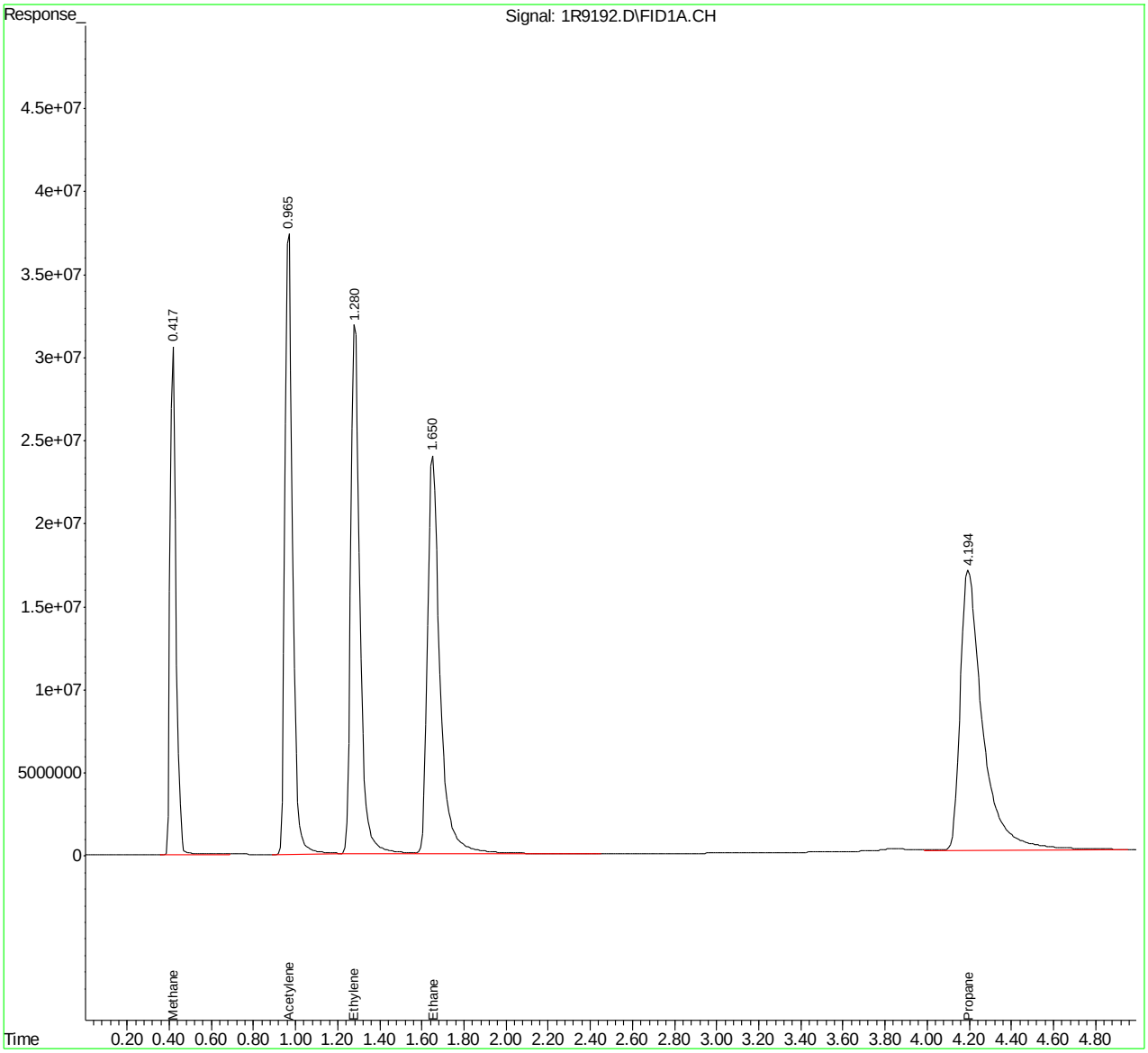
SGS FA98468

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9192.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 16:24:24
Operator : TRANGD
Sample : icv343-5
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 30 09:06:00 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/31/22 17:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9214.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 09:12:10
Operator : TRANGD
Sample : cc343-5
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 10:25:22 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.423	595568060	1052.724	ppmv	
2)	Acetylene	0.978	1261412010	1238.197	ppmv	
3)	Ethylene	1.286	1087919397	1074.487	ppmv	
4)	Ethane	1.654	1068370016	1055.107	ppmv	
5)	Propane	4.193	1387442114	1061.477	ppmv	m

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.9

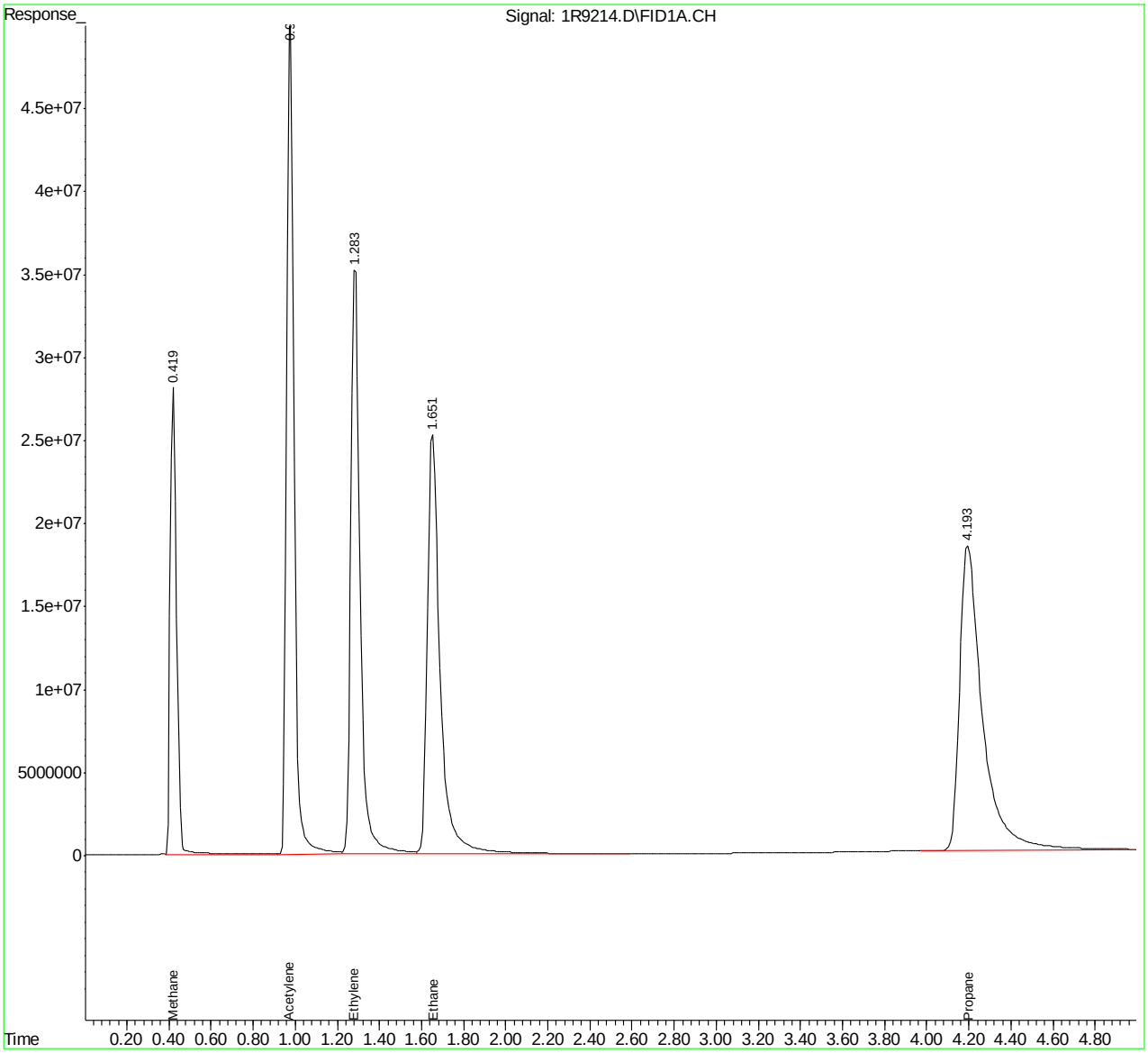
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9214.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 09:12:10
Operator : TRANGD
Sample : cc343-5
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 10:25:22 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: G1R345-CC343
Lab FileID: 1R9214.D
Injection Time: 08/30/22 09:12
Method: RSKSOP-147/175
Analyst approved: 08/31/22 11:58 Trang Diep
Supervisor approved: 08/31/22 17:51 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	4.19	Poor instrument integration

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9225.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 12:45:20
Operator : TRANGD
Sample : cc343-5
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 10:17:46 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.426	605593591	1070.445	ppmv
2)	Acetylene	0.982	1294308184	1268.987	ppmv
3)	Ethylene	1.292	1108174479	1094.492	ppmv
4)	Ethane	1.661	1084469028	1071.006	ppmv
5)	Propane	4.209	1461813306	1118.375	ppmv

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.10

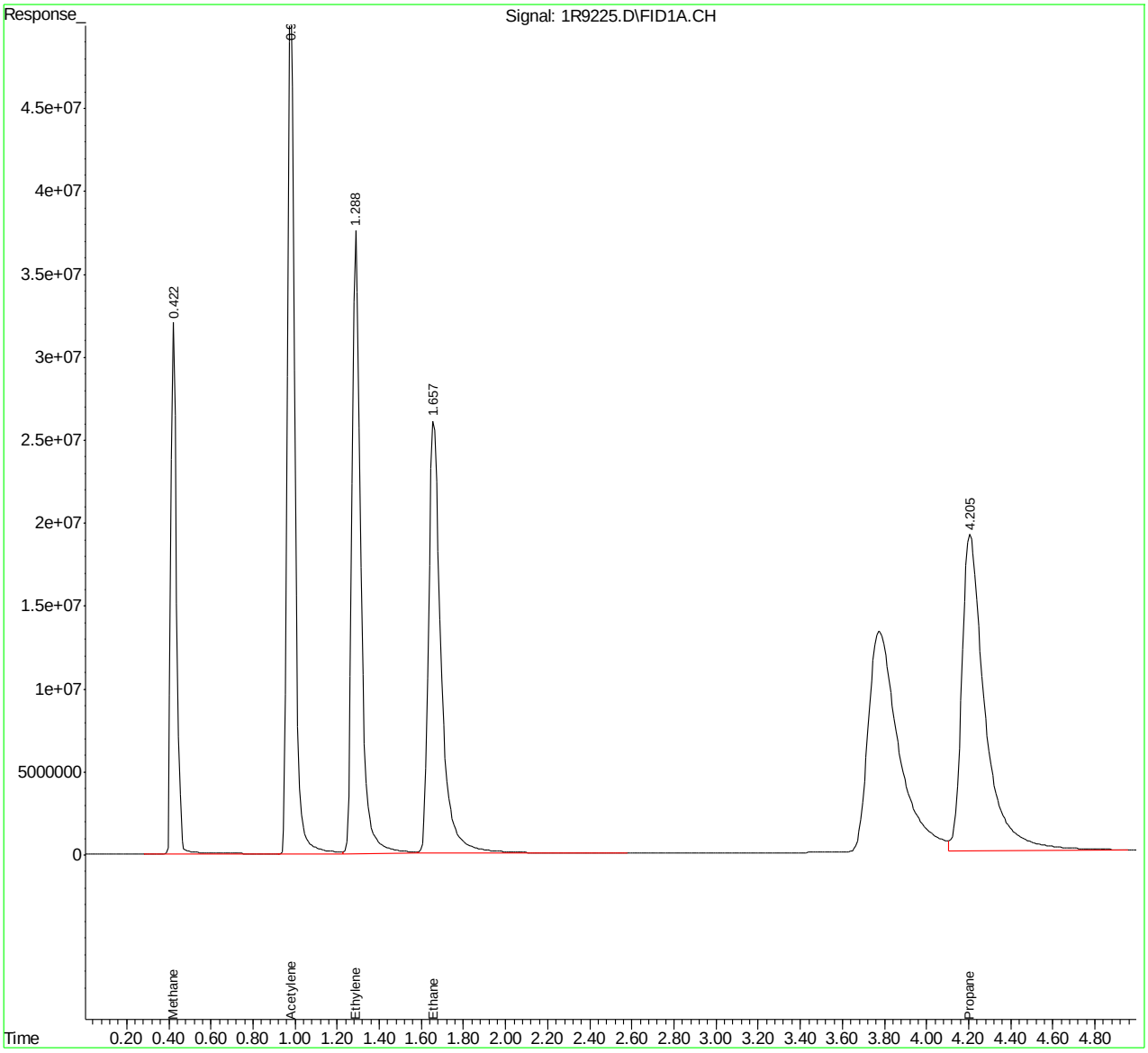
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9225.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 12:45:20
Operator : TRANGD
Sample : cc343-5
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 10:17:46 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/31/22 17:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9236.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 14:41:36
Operator : TRANGD
Sample : cc343-5
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 11:13:14 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.428	575775100	1017.738	ppmv	
2)	Acetylene	0.987	1232940496	1211.491	ppmv	
3)	Ethylene	1.298	1052767780	1039.769	ppmv	
4)	Ethane	1.668	1034872675	1022.026	ppmv	
5)	Propane	4.210	1344076235	1028.299	ppmv	m

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.11

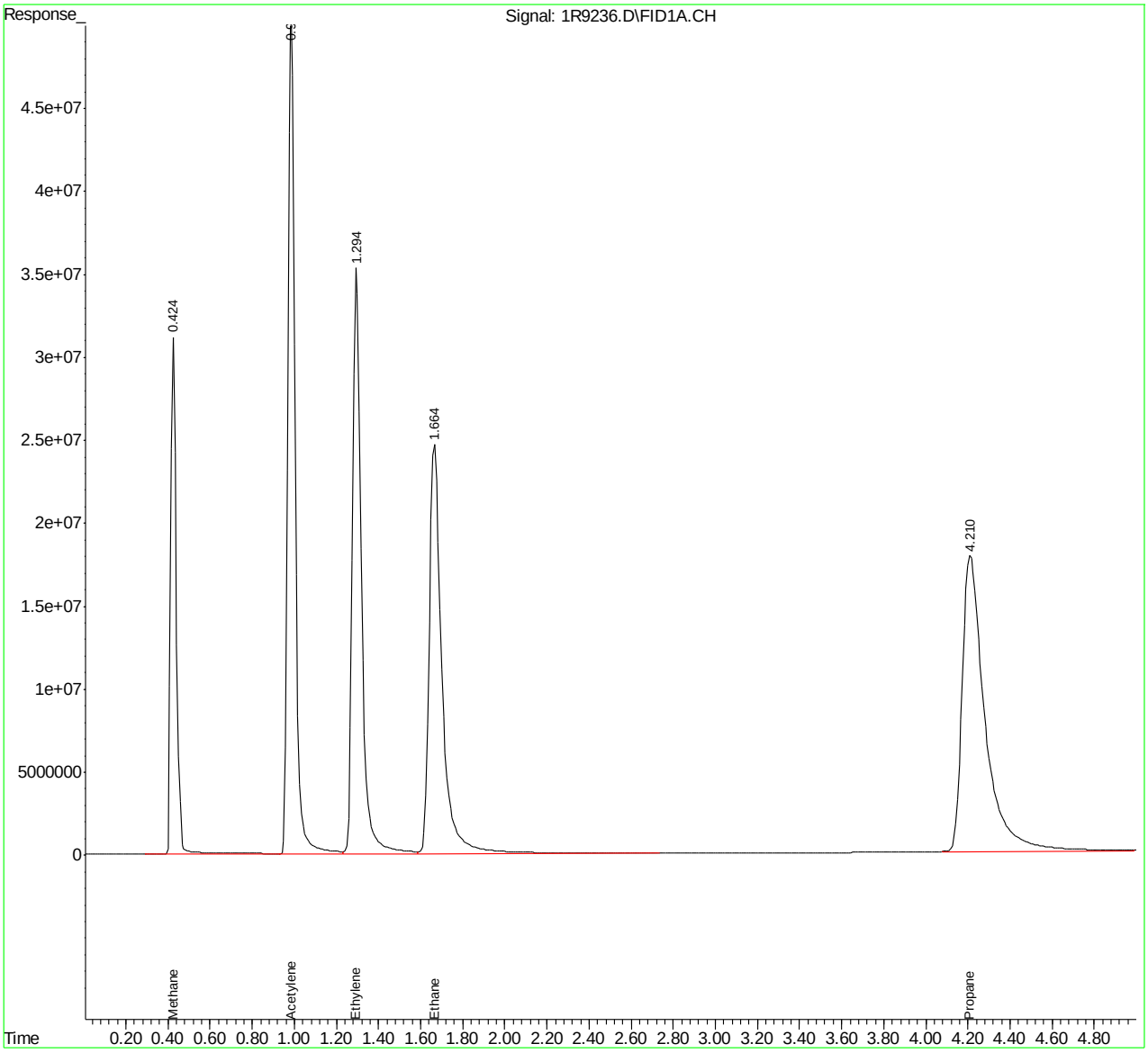
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9236.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 14:41:36
Operator : TRANGD
Sample : cc343-5
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 11:13:14 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: G1R345-CC343
Lab FileID: 1R9236.D
Injection Time: 08/30/22 14:41
Method: RSKSOP-147/175
Analyst approved: 08/31/22 11:58 Trang Diep
Supervisor approved: 08/31/22 17:51 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	4.21	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/31/22 17:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9245.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 16:00:03
Operator : TRANGD
Sample : ecc343-4
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 35 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 11:18:23 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.430	270876103	478.800	ppmv	
2)	Acetylene	0.990	574511995	578.591	ppmv	
3)	Ethylene	1.302	496319853	490.192	ppmv	
4)	Ethane	1.674	487727722	481.673	ppmv	
5)	Propane	4.223	628513643	480.851	ppmv	m

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.12

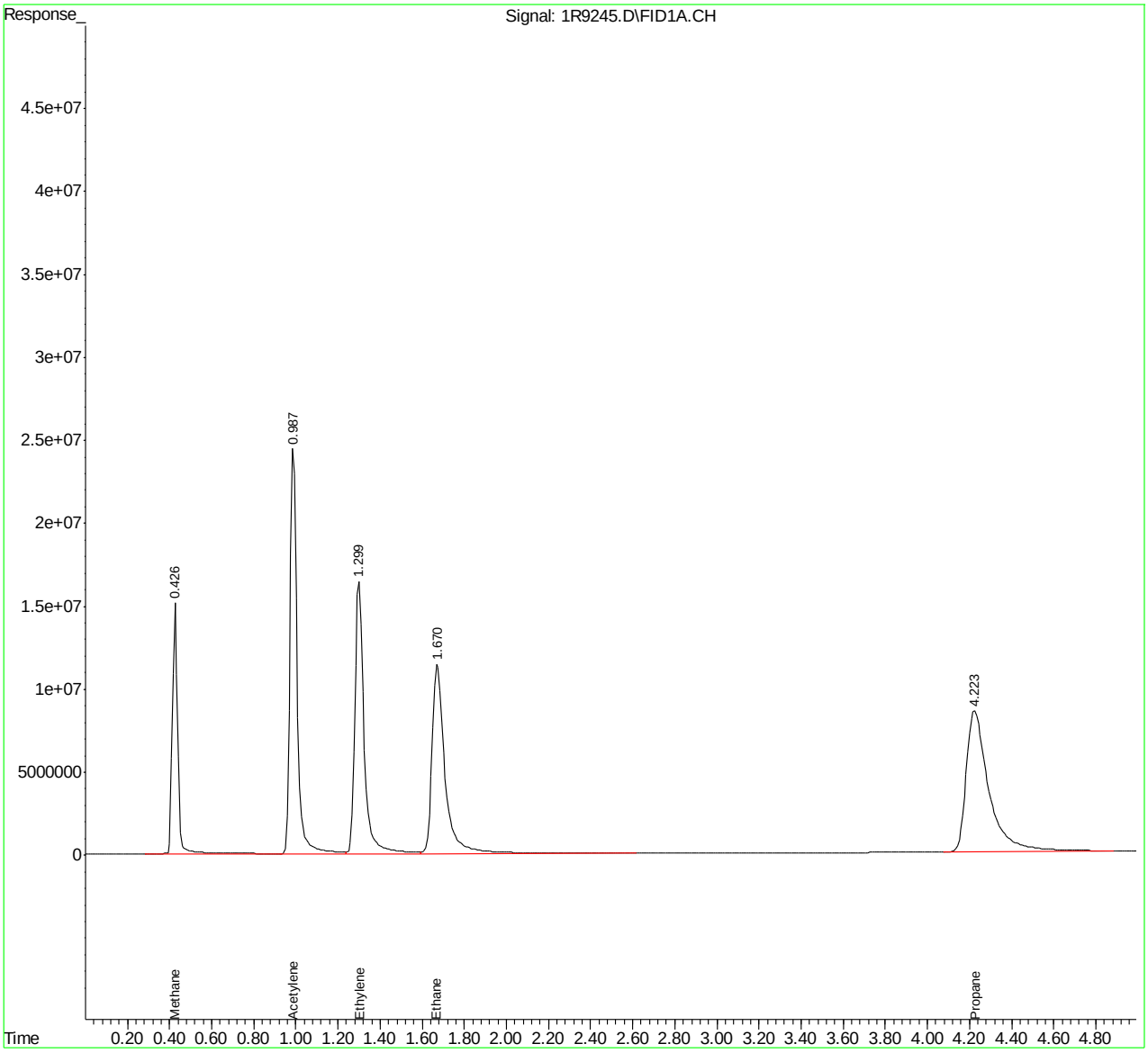
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-30-22\
Data File : 1R9245.D
Signal(s) : FID1A.CH
Acq On : 30-Aug-22, 16:00:03
Operator : TRANGD
Sample : ecc343-4
Misc : gc23880,G1R345,38,20,500,5,1
ALS Vial : 35 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 31 11:18:23 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: G1R345-ECC343
Lab FileID: 1R9245.D
Injection Time: 08/30/22 16:00
Method: RSKSOP-147/175
Analyst approved: 08/31/22 11:58 Trang Diep
Supervisor approved: 08/31/22 17:51 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	4.22	Poor instrument integration

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9247.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 10:50:31
Operator : TRANGD
Sample : cc343-5
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:17:04 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.429	508068262	898.059	ppmv
2)	Acetylene	0.985	1062049095	1050.087	ppmv
3)	Ethylene	1.298	949146215	937.427	ppmv
4)	Ethane	1.669	936375579	924.751	ppmv
5)	Propane	4.221	1179540982	902.420	ppmv

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.13

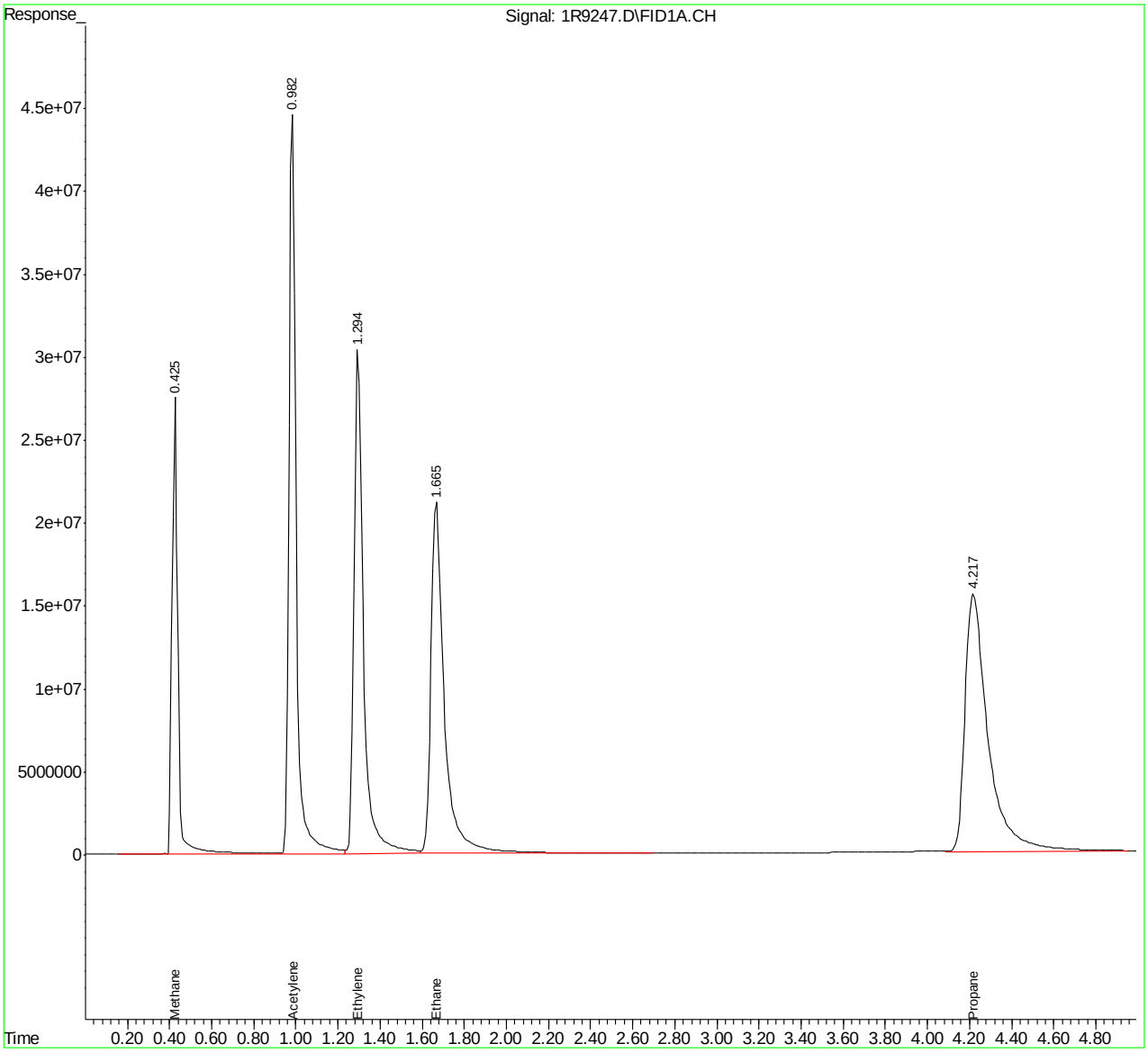
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9247.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 10:50:31
Operator : TRANGD
Sample : cc343-5
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:17:04 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 09/01/22 17:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9258.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 14:12:12
Operator : TRANGD
Sample : cc343-5
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:23:28 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.431	568269205	1004.470	ppmv	
2)	Acetylene	0.995	1210440515	1190.350	ppmv	
3)	Ethylene	1.307	1040921715	1028.070	ppmv	
4)	Ethane	1.678	1021105333	1008.429	ppmv	
5)	Propane	4.224	1336263544	1022.322	ppmv	m

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.14

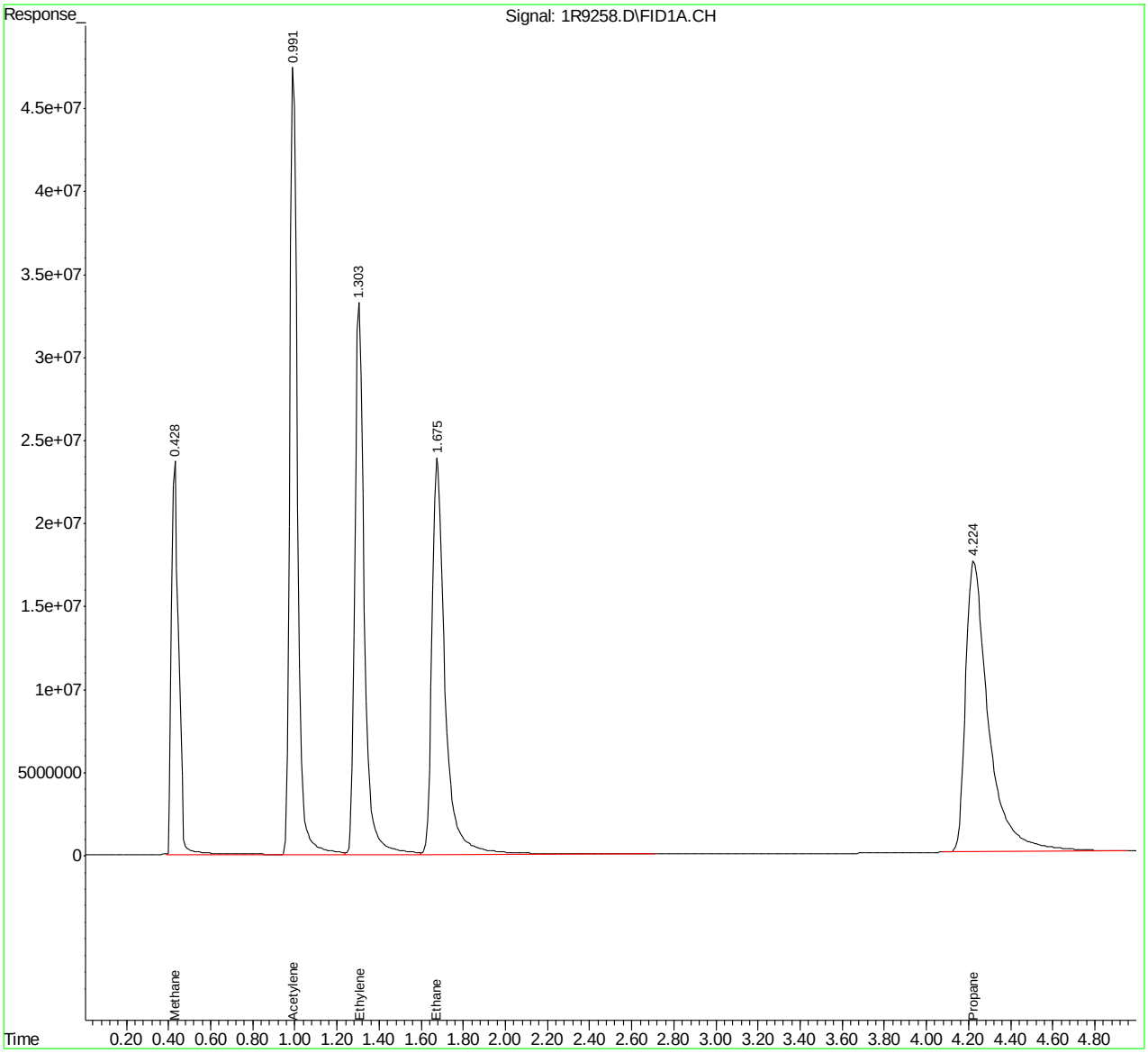
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9258.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 14:12:12
Operator : TRANGD
Sample : cc343-5
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:23:28 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: G1R346-CC343
Lab FileID: 1R9258.D
Injection Time: 08/31/22 14:12
Method: RSKSOP-147/175
Analyst approved: 09/01/22 14:51 Trang Diep
Supervisor approved: 09/01/22 17:42 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	4.22	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 09/01/22 17:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9269.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 15:43:26
Operator : TRANGD
Sample : cc343-5
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:27:29 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.430	554608187	980.323	ppmv	
2)	Acetylene	0.996	1185478238	1166.856	ppmv	
3)	Ethylene	1.308	1015326086	1002.790	ppmv	
4)	Ethane	1.680	994134452	981.793	ppmv	
5)	Propane	4.226	1293243093	989.409	ppmv	m

(f)=RT Delta > 1/2 Window (m)=manual int.

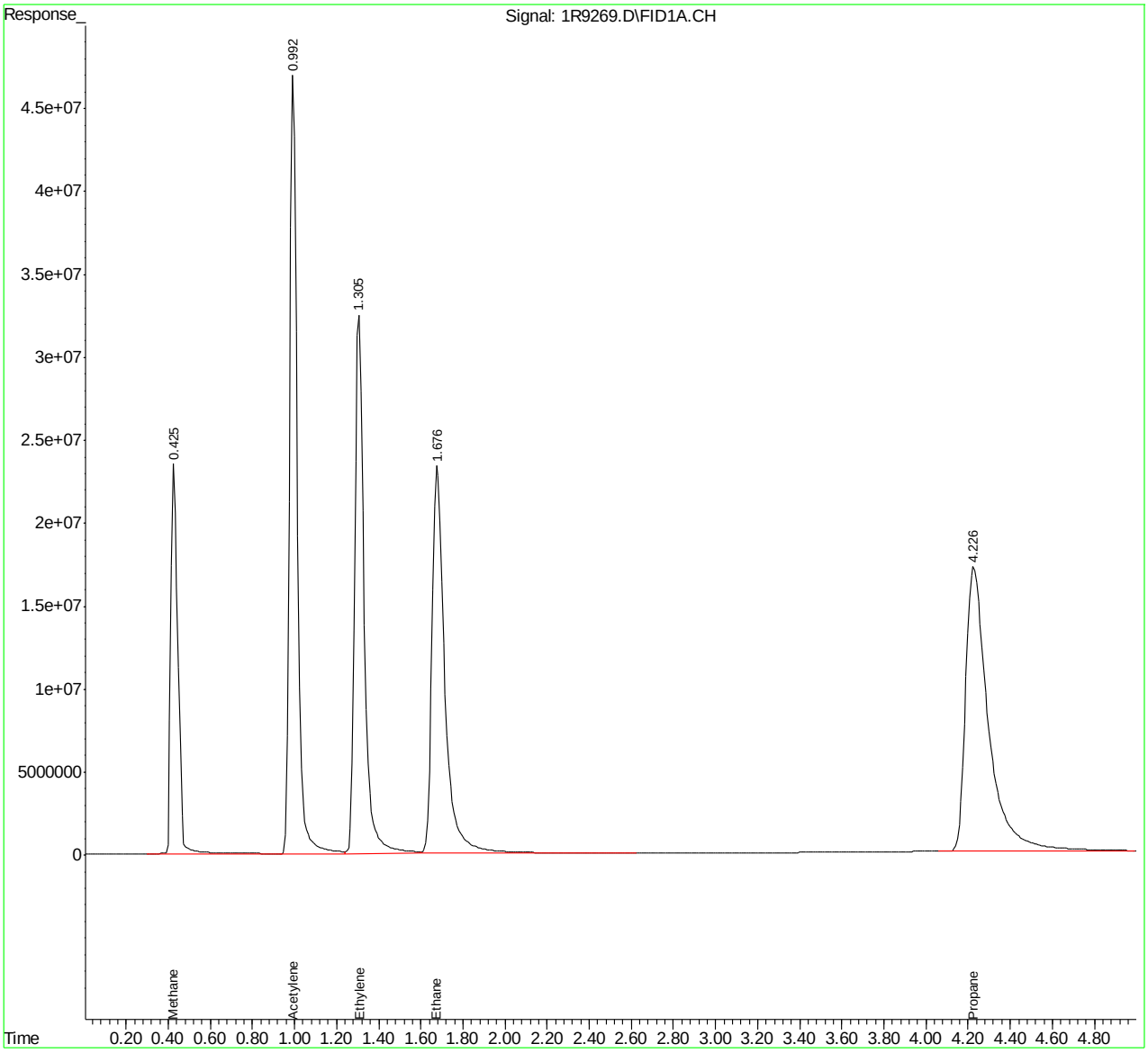
9.6.15
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9269.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 15:43:26
Operator : TRANGD
Sample : cc343-5
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:27:29 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: G1R346-CC343
Lab FileID: 1R9269.D
Injection Time: 08/31/22 15:43
Method: RSKSOP-147/175
Analyst approved: 09/01/22 14:51 Trang Diep
Supervisor approved: 09/01/22 17:42 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	4.23	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 09/01/22 17:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9275.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 16:36:58
Operator : TRANGD
Sample : ecc343-4
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:31:26 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.431	268678393	474.915	ppmv	
2)	Acetylene	0.994	564967926	569.190	ppmv	
3)	Ethylene	1.309	493296079	487.205	ppmv	
4)	Ethane	1.682	485778878	479.748	ppmv	
5)	Propane	4.235	625395430	478.465	ppmv	m

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.16

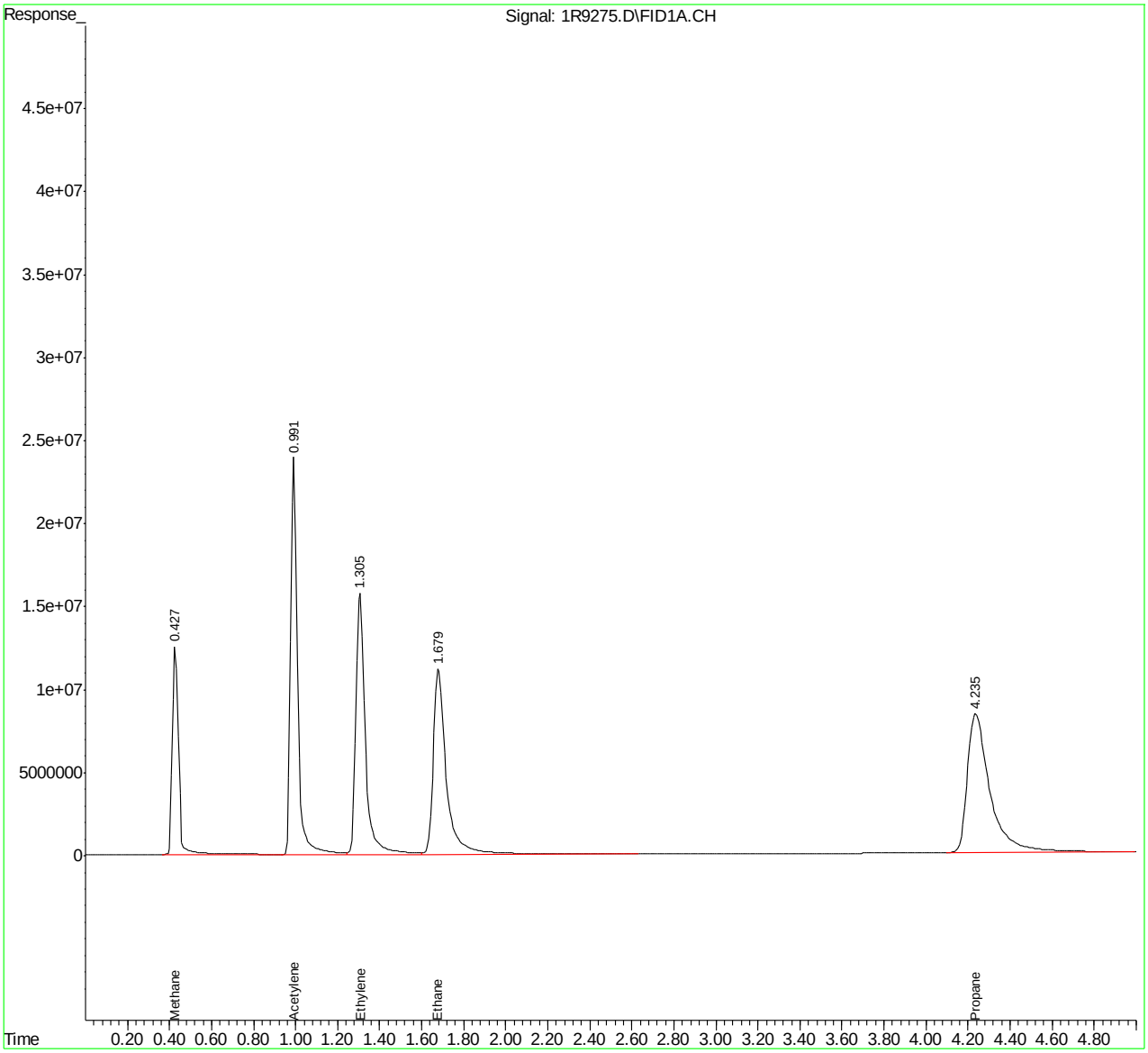
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-31-22\
Data File : 1R9275.D
Signal(s) : FID1A.CH
Acq On : 31-Aug-22, 16:36:58
Operator : TRANGD
Sample : ecc343-4
Misc : gc23880,G1R346,38,20,500,5,1
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:31:26 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Thu Sep 01 14:49:57 2022 Page: 2

Manual Integration Approval Summary

Sample Number: G1R346-ECC343
Lab FileID: 1R9275.D
Injection Time: 08/31/22 16:36
Method: RSKSOP-147/175
Analyst approved: 09/01/22 14:51 Trang Diep
Supervisor approved: 09/01/22 17:42 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	4.24	Poor instrument integration

SGS -ORLANDO

GC VOA12-1R ANALYSIS LOG

DATE: 8/23/22	METHODS: NEWRSK 147/175	STANDARDS:	PH LOT: 230320, 225320
COLUMN TYPE: C1006	METHOD FILE: RSK8-23-22.M	ICAL/CCV: 10973A,10447A, 11171A	KI PAPER LOT: 011819
DETECTOR: FID	CALIB. DATE: 8/23/22		AMBIENT TEMP. : 20C
INSTRUMENT: FID4-LL	DataAqcMeth: DGMEE2.M	ISTD/SURR: NA	THERM ID: 170563327
ANALYST : trangd			Sample ID Verified:TRANGD
	RUN ID: G1R343	ICV/QC: 9513	Reviewed: 8/23/22

DATA FILE	SAMPLE ID	DIL.	Vial #	MATRIX	FINAL VOLUME uL	STD CONC. PPM	MANUALLY INTEGRATED PEAKS, RATIONAL, PEAK #	PH	CL	RR	COMMENTS
1R9183	mb, helium	-	-	-	500	-		NA	NA	-	
1R9184	mb	-	-	-	500	-		NA	NA	-	
1R9185	ic342-1	-	-	W	500	15		NA	NA	-	500uL/5mL
1R9186	ic342-2	-	-	-	500	15		NA	NA	-	
1R9187	ic342-3	-	-	W	500	1000		NA	NA	-	500uL/5mL
1R9188	ic342-4	-	-	-	250	1000		NA	NA	-	
1R9189	icc342-5	-	-	-	500	1000		NA	NA	-	
1R9190	ic342-6	-	-	-	250	10000		NA	NA	-	
1R9191	ic342-7	-	-	-	500	10000		NA	NA	-	
1R9192	icv342-5	-	-	W	500	10000		NA	NA	-	passed
					70						
					6/23/22						

Analyst's Signature:

Trainee :

SGS -ORLANDO

GC VOA12-1R ANALYSIS LOG

DATE: 8/30/22	METHODS: NEWRSK 147/175	STANDARDS:	PH LOT: 230320, 225320
COLUMN TYPE: C1006	METHOD FILE: RSK8-23-22.M	ICAL/CCV: 10973A,10447A, 11171A	KI PAPER LOT: 011819
DETECTOR: FID	CALIB. DATE: 8/23/22		AMBIENT TEMP. : 20C
INSTRUMENT: FID4-LL	DataAqcMeth: DGMEE2.M	ISTD/SURR: NA	THERM ID: 170563327
ANALYST : trangd			Sample ID Verified:TRANGD/ Jennifer
	RUN ID: G1R345	ICV/QC: 9513	Reviewed: 8/30/22

DATA FILE	SAMPLE ID	DIL.	Vial #	MATRIX	FINAL VOLUME uL	STD CONC. PPM	MANUALLY INTEGRATED PEAKS, RATIONAL, PEAK #	PH	CL	RR	COMMENTS
1R9211	mb, helium	-	-	-	-	-		NA	NA	-	
1R9212	cc343-5	-	-	-	500	1000		NA	NA	-	low; change the plugger, not used
1R9213	cc343-5	-	-	W	500	1000		NA	NA	-	acetylene is high
1R9214	cc343-5	-	-	W	500	1000		NA	NA	-	acetylene is high
1R9215	bs	-	-	-	-	10000		NA	NA	-	low; not use
1R9216	bs	-	-	W	500	10000		NA	NA	-	passed
1R9217	bsd	-	-	W	500	10000		NA	NA	-	passed
1R9218	mb, helium	-	-	-	-	-		NA	NA	-	
1R9219	mb	-	-	W	500	-		NA	NA	-	methane
1R9220	FA98473-11	1X	11	W	500	-		1	N	10x	methane is high
1R9221	FA98473-12	1X	5	W	500	-		1	N	20x	methane is high
1R9222	FA98474-2	1X	9	W	500	-		1	N	20x	methane is high
1R9223	FA98474-3	1X	4	W	500	-		1	N	20x	methane is high
1R9224	mb	-	-	W	500	-		NA	NA	-	ND
1R9225	cc343-5	-	-	-	500	1000		NA	NA	-	acetylene is high
1R9226	FA98473-11	10x	12	W	500	-		1	N	-	500uL/5mL
1R9227	FA98473-11dup	10x	13	W	500	-		1	N	-	500uL/5mL
1R9228	FA98474-2	20x	10	W	250	-		1	N	-	500uL/5mL
1R9229	FA98474-2dup	20x	11	W	250	-		1	N	-	500uL/5mL
1R9230	FA98474-3	20x	5	W	250	-		1	N	-	500uL/5mL
1R9231	FA98473-12	20X	6	W	250	-		1	N	-	500uL/5mL
1R9232	FA98473-11ms	10X	13	W	500	10000		1	N	-	low; not used; 500uL/5mL

Analyst's Signature:

SGS -ORLANDO

GC VOA12-1R ANALYSIS LOG

DATE: 8/30/22			METHODS: NEWRSK 147/175			STANDARDS:			PH LOT: 230320, 225320			
COLUMN TYPE: C1006			METHOD FILE: RSK8-23-22.M			ICAL/CCV: 10973A,10447A, 11171A			KI PAPER LOT: 011819			
DETECTOR: FID			CALIB. DATE: 8/23/22						AMBIENT TEMP. : 20C			
INSTRUMENT: FID4-LL			DataAqcMeth: DGMEE2.M			ISTD/SURR: NA			THERM ID: 170563327			
ANALYST : trangd									Sample ID Verified:TRANGD/ Jennifer			
			RUN ID: G1R345			ICV/QC: 9513			Reviewed: 8/30/22			
					FINAL	STD CONC.						
			Vial		VOLUME	PPM	MANUALLY INTEGRATED					
	SAMPLE ID	DIL.	#	MATRIX	uL							
1R9233	FA98474-2ms	20x	11	W	250	10000		1	N	-	500uL/5mL	
1R9234	blk	-	-	W	500			NA	NA	-	test syringe	
1R9235	FA98468-1	1X	7	W	500		headspace	1	N	20x	methane is high	
1R9236	cc343-5	-	-	W	500	1000		NA	NA	-	acetylene is high	
1R9237	mb, helium	-	-	W	500			NA	NA	-		
1R9238	FA98468-1	20X	8	W	250			1	N	-	500uL/5mL	
1R9239	FA98468-2	1X	7	W	500			1	N	-		
1R9240	FA98468-3	1X	7	W	500			1	N	-		
1R9241	FA98468-8	1X	4	W	500			1	N	-		
1R9242	FA98468-9	1X	7	W	500			1	N	-		
1R9243	FA98468-3ms	1x	7	W	500	10000		1	N	-		
1R9244	ecc343-4	-	-	W	250	1000		NA	NA	-	acetylene is high	

8/31/22

Analyst's Signature:

SGS -ORLANDO

GC VOA12-1R ANALYSIS LOG

DATE: 8/31/22	METHODS: NEWRSK 147/175	STANDARDS:	PH LOT: 230320, 225320
COLUMN TYPE: C1006	METHOD FILE: RSK8-23-22.M	ICAL/CCV: 10973A,10447A, 11171A	KI PAPER LOT: 011819
DETECTOR: FID	CALIB. DATE: 8/23/22		AMBIENT TEMP. : 20C
INSTRUMENT: FID4-LL	DataAqcMeth: DGMEE2.M	ISTD/SURR: NA	THERM ID: 170563327
ANALYST : trangd			Sample ID Verified:TRANGD/ Jennifer
	RUN ID: G1R346	ICV/QC: 9513	Reviewed: 8/31/22

DATA FILE	SAMPLE ID	DIL.	Vial #	MATRIX	FINAL VOLUME uL	STD CONC. PPM	MANUALLY INTEGRATED PEAKS, RATIONAL, PEAK #	PH	CL	RR	COMMENTS
1R9246	mb, helium	-	-	-	-	-		NA	NA	-	
1R9247	cc343-5	-	-	-	500	1000		NA	NA	-	passed
1R9248	bs	-	-	W	500	10000		NA	NA	-	passed
1R9249	bsd	-	-	W	500	10000		NA	NA	-	passed
1R9250	mb, helium	-	-	-	-	-		NA	NA	-	
1R9251	mb	-	-	W	500	-		NA	NA	-	
1R9252	FA98468-2	1x	8	W	500	-		1	N	-	
1R9253	FA98468-4	1x	4	W	500	-		1	N	-	
1R9254	FA98468-6	1x	7	W	500	-		1	N	-	
1R9255	FA98468-5	1x	6	W	500	-		1	N	-	
1R9256	FA98468-7	1x	7	W	500	-		1	N	-	
1R9257	FA98468-8	1x	5	W	500	-		1	N	-	
1R9258	cc343-5	-	-	W	500	1000		NA	NA	-	acetylene is high
1R9259	mb, helium	-	-	-	-	-		NA	NA	-	
1R9260	FA98468-9	1X	8	W	500	-		1	N	-	
1R9261	FA98485-4	1X	2	W	500	-		1	N	-	
1R9262	FA98485-5	10X	4	W	500	-		1	N	2x	500uL/5mL; low not used
1R9263	FA98485-6	10X	4	W	500	-		1	N	1x	Foamy, low not used; 500uL/5mL
1R9264	FA98485-7	1X	4	W	500	-		1	N	10x	methane is high
1R9265	FA98485-8	10X	4	W	500	-		1	N	1x	Foamy; low not used;500uL/5mL
1R9266	FA98485-9	1X	4	W	500	-		1	N	-	
1R9267	FA98485-5	2X	5	W	250	-		1	N	-	

Analyst's Signature:

SGS -ORLANDO

GC VOA12-1R ANALYSIS LOG

DATE: 8/31/22			METHODS: NEWRSK 147/175			STANDARDS:		PH LOT: 230320, 225320			
COLUMN TYPE: C1006			METHOD FILE: RSK8-23-22.M			ICAL/CCV: 10973A,10447A, 11171A		KI PAPER LOT: 011819			
DETECTOR: FID			CALIB. DATE: 8/23/22					AMBIENT TEMP. : 20C			
INSTRUMENT: FID4-LL			DataAqcMeth: DGMEE2.M			ISTD/SURR: NA		THERM ID: 170563327			
ANALYST : trangd								Sample ID Verified:TRANGD/ Jennifer			
			RUN ID: G1R346			ICV/QC: 9513		Reviewed: 8/31/22			
					FINAL	STD CONC.					
			Vial		VOLUME	PPM	MANUALLY INTEGRATED				
	SAMPLE ID	DIL.	#	MATRIX	uL						
1R9268	FA98485-6	1X	5	W	500			1	N	-	
1R9269	cc343-5	-	-	W	500	1000		NA	NA	-	acetylene is high
1R9270	mb, helium	-	-	-	-			NA	NA	-	
1R9271	FA98485-7	10x	5	W	500			1	N	-	500uL/5mL
1R9272	FA98485-8	1x	5	W	500			1	N	-	
1R9273	FA98485-4MS	1x	3	W	500	10000		1	N	-	
1R9274	FA98485-9dup	1x	5	W	500			1	N	-	
1R9275	ecc343-4	-	-	W	250	1000		NA	NA	-	passed

8/31/22

Analyst's Signature:

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA98468
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Dissolved Organic Carbon	GP38003/GN92230	1.0	0.0	mg/l	15	16.4	109.3	90-110%
Dissolved Organic Carbon	GP38003/GN92230			mg/l	15	16.5	110.0	90-110%
Fluoride	GP38013/GN92241	0.20	0.0	mg/l	2.5	2.75	110.0	90-110%
Sulfate	GP38012/GN92241	2.0	0.0	mg/l	50	50.3	100.6	90-110%
Sulfate	GP38013/GN92241	2.0	0.0	mg/l	50	49.6	99.2	90-110%
Total Organic Carbon	GP37991/GN92193	2.0	0.0	mg/l	15	15.1	100.7	90-110%

Associated Samples:
Batch GP37991: FA98468-1, FA98468-2, FA98468-3, FA98468-4, FA98468-5, FA98468-6, FA98468-7, FA98468-8, FA98468-9
Batch GP38003: FA98468-1F, FA98468-2F, FA98468-3F, FA98468-4F, FA98468-5F, FA98468-6F, FA98468-7F, FA98468-8F, FA98468-9F
Batch GP38012: FA98468-1, FA98468-2, FA98468-3, FA98468-4, FA98468-5, FA98468-6, FA98468-7
Batch GP38013: FA98468-8, FA98468-9
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA98468
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Fluoride	GP38013/GN92241	FA98468-8	mg/l	0.30 U	2.5	2.5	100.0	90-110%
Sulfate	GP38012/GN92241	FA98468-1	mg/l	19.0	50	60.1	82.2N(a)	90-110%
Sulfate	GP38013/GN92241	FA98468-8	mg/l	29.3	50	69.3	80.0N(a)	90-110%
Total Organic Carbon	GP37991/GN92193	FA98473-11	mg/l	4.4	15	19.8(b)	102.7	90-110%

Associated Samples:
Batch GP37991: FA98468-1, FA98468-2, FA98468-3, FA98468-4, FA98468-5, FA98468-6, FA98468-7, FA98468-8, FA98468-9
Batch GP38012: FA98468-1, FA98468-2, FA98468-3, FA98468-4, FA98468-5, FA98468-6, FA98468-7
Batch GP38013: FA98468-8, FA98468-9
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.
(b) Sample was not preserved to a pH < 2.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA98468
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Fluoride	GP38013/GN92241	FA98468-8	mg/l	0.30 U	2.5	2.5	0.0	15%
Sulfate	GP38012/GN92241	FA98468-1	mg/l	19.0	50	59.4	1.2	15%
Sulfate	GP38013/GN92241	FA98468-8	mg/l	29.3	50	69.7	0.6	15%
Total Organic Carbon	GP37991/GN92193	FA98473-11	mg/l	4.4	15	19.7(a)	0.5(a)	20%

Associated Samples:
Batch GP37991: FA98468-1, FA98468-2, FA98468-3, FA98468-4, FA98468-5, FA98468-6, FA98468-7, FA98468-8, FA98468-9
Batch GP38012: FA98468-1, FA98468-2, FA98468-3, FA98468-4, FA98468-5, FA98468-6, FA98468-7
Batch GP38013: FA98468-8, FA98468-9
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Sample was not preserved to a pH < 2.

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98468
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: B20829W1.TXT Date Analyzed: 08/29/22 Methods: SM5310 B-11/SW9060A
Analyst: FN Run ID: GN92193
Parameters: Total Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:16	GN92193-CCV1	1		
17:39	GP37990-MB1	1		
18:02	GP37990-B1	1		
18:25	ZZZZZZ	1		
18:48	ZZZZZZ	1		
19:11	ZZZZZZ	1		
19:34	ZZZZZZ	1		
19:56	ZZZZZZ	1		
20:19	FA98431-6	1		(sample used for QC only; not part of login FA98468)
20:42	GP37990-S1	1		
21:05	GP37990-S2	1		
21:28	GN92193-CCV2	1		
21:51	GN92193-CCB1	1		
22:14	ZZZZZZ	1		
22:37	ZZZZZZ	1		
23:00	ZZZZZZ	1		
23:22	ZZZZZZ	1		
23:45	ZZZZZZ	1		
00:08	ZZZZZZ	1		
00:31	ZZZZZZ	1		
00:54	ZZZZZZ	1		
01:16	FA98468-1	1		
01:39	FA98468-2	1		
02:02	GN92193-CCV3	1		
02:25	GP37991-MB1	1		
02:48	GP37991-B1	1		
03:12	FA98468-3	1		
03:35	FA98468-7	1		
03:57	FA98468-4	1		
04:20	FA98468-5	1		
04:43	FA98468-6	1		
05:06	FA98468-8	1		
05:29	FA98468-9	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98468
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: B20829W1.TXT Date Analyzed: 08/29/22 Methods: SM5310 B-11/SW9060A
Analyst: FN Run ID: GN92193
Parameters: Total Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
05:52	GN92193-CCV4	1		
06:15	GN92193-CCB2	1		
06:38	FA98473-11	1		(sample used for QC only; not part of login FA98468)
07:01	GP37991-S1	1		
07:24	GP37991-S2	1		
07:47	ZZZZZZ	1		
08:10	FA98474-2	1		(sample used for QC only; not part of login FA98468)
08:33	GP37991-S3	1		
08:57	GP37991-S4	1		
09:20	ZZZZZZ	1		
10:29	GN92193-CCV5	1		
10:52	GN92193-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA98468
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: B20829W1.TXT Date Analyzed: 08/29/22 Methods: SM5310 B-11/SW9060A
Run ID: GN92193 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN92193-CCV1	Total Organic Carbon	15.9	2.0	0.54	15	106.0	90-110
GN92193-CCV2	Total Organic Carbon	16.1	2.0	0.54	15	107.3	90-110
GN92193-CCB1	Total Organic Carbon	0.54 U	2.0	0.54			
GN92193-CCV3	Total Organic Carbon	16.3	2.0	0.54	15	108.7	90-110
GN92193-CCV4	Total Organic Carbon	16.1	2.0	0.54	15	107.3	90-110
GN92193-CCB2	Total Organic Carbon	0.54 U	2.0	0.54			
GN92193-CCV5	Total Organic Carbon	15.0	2.0	0.54	15	100.0	90-110
GN92193-CCB3	Total Organic Carbon	0.54 U	2.0	0.54			

(!) Outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98468
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: B20902W1.TXT Date Analyzed: 09/02/22 Methods: SM5310 B-11/SW9060A
Analyst: FN Run ID: GN92230
Parameters: Dissolved Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:40	GN92230-CCV1	1		
18:03	GP38003-MB1	1		
18:26	GP38003-B1	1		
18:49	FA98468-1F	1		
19:12	FA98468-2F	1		
19:35	FA98468-3F	1		
19:58	FA98468-4F	1		
20:21	FA98468-5F	1		
20:44	GN92230-CCV2	1		
21:08	GN92230-CCB1	1		
21:30	FA98468-6F	1		
21:53	FA98468-7F	1		
22:16	FA98468-8F	1		
22:39	FA98468-9F	1		
23:02	GP38003-B2	1		
23:25	GN92230-CCV3	1		
23:48	GN92230-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA98468
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: B20902W1.TXT Date Analyzed: 09/02/22 Methods: SM5310 B-11/SW9060A
Run ID: GN92230 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN92230-CCV1	Dissolved Organic Carbon	16.4	1.0	0.27	15	109.3	90-110
GN92230-CCV2	Dissolved Organic Carbon	16.5	1.0	0.27	15	110.0	90-110
GN92230-CCB1	Dissolved Organic Carbon	0.27 U	1.0	0.27			
GN92230-CCV3	Dissolved Organic Carbon	16.5	1.0	0.27	15	110.0	90-110
GN92230-CCB2	Dissolved Organic Carbon	0.27 U	1.0	0.27			

(!) Outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98468
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: 42022090301.CSV Date Analyzed: 09/03/22 Methods: EPA 300/SW846 9056A
Analyst: JB Run ID: GN92241
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:41	GN92241-STD1	1		STDA
12:27	GN92241-STD2	1		STDB
12:48	GN92241-STD3	1		STDC
13:09	GN92241-STD4	1		STDD
13:33	GN92241-STD5	1		STDE
13:54	GN92241-STD6	1		STDF
14:15	GN92241-STD7	1		STDG
14:36	GN92241-STD8	1		STDH
14:57	GN92241-STD9	1		STDI
15:18	GN92241-STD10	1		STDJ
15:39	GN92241-STD11	1		STDK
16:08	GN92241-ICV1	1		
16:29	GN92241-ICB1	1		
16:50	GN92241-CRI1	1		
17:11	GN92241-CCV1	1		
17:32	GN92241-CCB1	1		
17:53	GN92241-CCV2	1		
18:14	GN92241-CCB2	1		
18:35	GP38012-MB1	1		
18:57	GP38012-B1	1		
19:18	ZZZZZZ	1		
19:39	ZZZZZZ	1		
20:00	FA98438-1	100		(sample used for QC only; not part of login FA98468)
20:21	GP38012-S1	100		
20:42	GP38012-S2	100		
21:02	ZZZZZZ	100		
22:05	GN92241-CCV3	1		
22:26	GN92241-CCB3	1		
01:13	FA98468-1	5		
01:34	GP38012-S3	5		
01:55	GP38012-S4	5		
02:15	GN92241-CCV4	1		
02:37	GN92241-CCB4	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98468
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: 42022090301.CSV Date Analyzed: 09/03/22 Methods: EPA 300/SW846 9056A
Analyst: JB Run ID: GN92241
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:58	FA98468-2	1		
03:19	FA98468-3	10		
03:40	FA98468-4	5		
04:00	FA98468-5	5		
04:21	FA98468-6	5		
04:42	FA98468-7	5		
05:03	GP38013-MB1	1		
05:24	GP38013-B1	1		
05:45	FA98468-8	5		
06:06	GP38013-S1	5		
06:27	GN92241-CCV5	1		
06:48	GN92241-CCB5	1		
07:09	GP38013-S2	5		
07:30	FA98468-9	1		
07:51	ZZZZZZ	1		
08:12	ZZZZZZ	1		
08:33	ZZZZZZ	1		
08:54	ZZZZZZ	1		
09:15	ZZZZZZ	1		
09:36	ZZZZZZ	1		
09:57	ZZZZZZ	1		
10:19	ZZZZZZ	1		
10:40	GN92241-CCV6	1		
11:01	GN92241-CCB6	1		
11:22	ZZZZZZ	1		
11:43	ZZZZZZ	5		
12:04	ZZZZZZ	5		
12:25	ZZZZZZ	5		
12:46	FA98517-4	5		(sample used for QC only; not part of login FA98468)
13:06	GP38013-S3	5		
13:27	GP38013-S4	5		
13:48	ZZZZZZ	5		
14:09	ZZZZZZ	5		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98468
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: 42022090301.CSV Date Analyzed: 09/03/22 Methods: EPA 300/SW846 9056A
Analyst: JB Run ID: GN92241
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:30	ZZZZZZ	1		
14:51	GN92241-CCV7	1		
15:12	GN92241-CCB7	1		
15:33	ZZZZZZ	1		
15:54	ZZZZZZ	1		
16:15	GP38014-MB1F	1		
16:36	GP38014-B1F	1		
16:57	FA98447-1	5		(sample used for QC only; not part of login FA98468)
17:18	GP38014-S1	5		
17:39	GP38014-S2	5		
18:01	ZZZZZZ	5		
18:22	GN92241-CCV8	1		
18:43	GN92241-CCB8	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA98468
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: 42022090301.CSV Date Analyzed: 09/03/22 Methods: EPA 300/SW846 9056A
Run ID: GN92241 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN92241-ICV1	Sulfate	49.2	2.0	0.60	50	98.4	90-110
GN92241-ICB1	Sulfate	0.60 U	2.0	0.60			
GN92241-CRI1	Sulfate	0.778	2.0	0.60	1	77.8	50-150
GN92241-CCV1	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN92241-CCB1	Sulfate	0.60 U	2.0	0.60			
GN92241-CCV2	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN92241-CCB2	Sulfate	0.60 U	2.0	0.60			
GN92241-CCV3	Sulfate	49.1	2.0	0.60	50	98.2	90-110
GN92241-CCB3	Sulfate	0.60 U	2.0	0.60			
GN92241-CCV4	Sulfate	49.3	2.0	0.60	50	98.6	90-110
GN92241-CCB4	Sulfate	0.60 U	2.0	0.60			
GN92241-CCV5	Sulfate	49.1	2.0	0.60	50	98.2	90-110
GN92241-CCB5	Sulfate	0.60 U	2.0	0.60			
GN92241-CCV6	Sulfate	49.5	2.0	0.60	50	99.0	90-110
GN92241-CCB6	Sulfate	0.60 U	2.0	0.60			
GN92241-CCV7	Sulfate	49.5	2.0	0.60	50	99.0	90-110
GN92241-CCB7	Sulfate	0.60 U	2.0	0.60			
GN92241-CCV8	Sulfate	49.6	2.0	0.60	50	99.2	90-110
GN92241-CCB8	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

General Chemistry

Raw Data

TOC ANALYSIS LOG, Aqueous

DATE:	08-29-2022
ANALYST:	F.N.
INSTRUMENT:	TOC2
INST. FILE NAME:	220829w1.txt
Filter Lot#:	—

METHODS:	SM5310B SW846 9060A
METHOD FILE:	NPOC-MET
CALIB. DATE:	07-13-2022
GN BATCH:	GN92193

pH paper lot#	230320
pipette ID#	TU11245
pipette ID#	PU13805
pipette ID#	—

STANDARDS	
ICAL:	LIST INDIVIDUALLY IN COMMENTS
ICV:	TOC 4026
CCV:	TOC 4025
QC:	WC1799

Autosampler position	Sample ID	Bottle #	pH, su	Injected Volume, ml	Manual Dilution	Instrument Dilution	GP BATCH	COMMENTS
1	BLANK	—	—	50uL	1x	1x		
2	CCV	—	1.5					
3	MB1	—	—				37990	
4	B1	—	1.5					
5	FA98431-1	1	1.5					
6	-2	1	1.5					
7	-3	1	1.5					
8	-4	1	1.5					
9	-5	1	1.5					
10	-6	1	1.5					
11	S1(FA98431-6)	2	1.0					
12	S2(FA98431-6)	3	1.0					
13	CCV	—	1.5					
14	CCB	—	—					
15	FA98431-7	1	1.5				37990	
16	-8	1	1.5					
17	-9	1	1.5					
18	-11	1	1.5					
19	FA98427-1	1	1.5				37991	
20	-2	1	1.5					
21	-3	1	1.5					
22	-4	1	1.5					
23	FA98468-1	1	1.5					
24	-2	1	1.5					
25	CCV	—	1.5					
26	MB1	—	—				37991	

Notes (1 of 2)

Analyst Signature Frida N.

TOC ANALYSIS LOG, Aqueous

DATE:	08-29-2022
ANALYST:	F.N.
INSTRUMENT:	TOC2
INST. FILE NAME:	220829w1.tst
Filter Lot#:	—

METHODS:	SM5310B SW846 9060A
METHOD FILE:	NPOC-MET
CALIB. DATE:	07-13-2022
GN BATCH:	GN92193

pH paper lot#	230320
pipette ID#	TU11245
pipette ID#	PU13805
pipette ID#	—

STANDARDS	
ICAL:	LIST INDIVIDUALLY IN COMMENTS
ICV:	TOC 4026
CCV:	TOC 4025
QC:	WCM799

Autosampler position	Sample ID	Bottle #	pH, su	Injected Volume, ml	Manual Dilution	Instrument Dilution	GP BATCH	COMMENTS
27	B1	—	1.5	50 mL	1x	1x	37991	
28	FA98468-(*)F3	1	1.5					
29	-(*)F4	1	1.5					
30	-(*)F5	1	1.5					
31	-(*)F5	1	1.5					
32	- 6	1	1.0*					* ⇒ INITIAL PH>2, ADDED
33	- 8	1	1.5					DROPS CONC. HCL TO ACIDIFY
34	- 9	1	1.5					
35	CCV	—	1.5					
36	CCB	—	—					
37	FA98473-11	1	1.0*				37991	
38	S1(FA98473-11)	2	1.0*					
39	S2(FA98473-11)	3	1.0*					
40	FA98473-12	1	1.0*					
41	FA98(*)474-2	1	1.0*					
42	S3(FA98474-2)	2	1.0*					
43	S4(FA98474-2)	3	1.0*					
44	FA98474-3	1	1.0*					
45	FA98241-1	3	1.0*					} DNR ⇒ JOB CANCELLED.
46	-2	3	1.0*					
47	CCV	—	—					
48	CCB	—	—					

F.N. 08/30/22

Notes: (2 of 2) (*) F.N. 08/30/22 ACID LOT ID# 4121040 (CONC. HCL)

Analyst Signature F.N.

SGS Accutest - Orlando Organic Carbon Standards Preparation Log

SGS Std. #	Name Description	Parent Std. #	Parent Name	Parent Vendor	Parent Exp. Date	Parent Conc(mg/l)	Weight(g) / Vol.(ml) used	Bal.ID**/ pipette ID	Final Vol.(ml)	Final Conc(mg/l)	pH paper lot#	Prep. Date	Exp. Date	Initials
TOC 4014	MDL-6 1PPM	WC 1908	TOC KHP-1	INORG. VENTUR.	02/15/23	1000	ml 0.04	NU 04977	40	1.0	230 320	07/19/22	08/31/22	F.N.
TOC 4015	MDL-7 1PPM	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
TOC 4016	CCV-STD 15 PPM	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 x3 mL	TU11245	40	15.0	230320	07/22/22	08/22/22	ST
TOC 4017	CCV-STD 15 PPM	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 x2 mL	KU15244	40	15.0	230320	07/25/22	08/25/22	ST
TOC 4018	MDL-1 (L) 1PPM	WC 1908	TOC KHP-1	INORGANIC VENTURES	02/15/23	1000	0.1	NU 04977	100	1.0	230 320	07/19/22	08/19/22	F.N.
TOC 4019	MDL-2 (L) 1PPM	↓	↓	↓	↓	1000	↓	↓	100	↓	↓	↓	↓	↓
TOC 4020	MDL-3 (L) 1PPM	↓	↓	↓	↓	1000	↓	↓	100	↓	↓	↓	↓	↓
TOC 4021	MDL-4 (L) 1PPM	WC 1908	TOC KHP-1	INORG. VENTUR.	02/15/23	1000	0.1	NU 04977	100	1.0	230320	07/26/22	08/26/22	F.N.
TOC 4022	MDL-5 (L) 1PPM	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
TOC 4023	BSP (F)	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 mL	TU11245	40	15.0	230320	08/01/22	08/07/22	ST
TOC 4024	BSP	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 mL	TU11245	40	15.0	230320	08/03/22	08/10/22	ST
TOC 4025	CCV - STD 15 PPM	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	ml 3.75	PU 13805	250	15.0	230 320	08/16/22	09/16/22	F.N.
TOC 4026	ICV - STD 15 PPM	WC 1799	↓	↓	↓	↓	ml 3.75	↓	250	15.0	↓	08/16/22	09/16/22	F.N.

:)=TOC3

** Record ANALYTICAL balance sequential number

C:\TOC3201\Data\toc 2 aq 08-29-2022.t32

	Type	Analysis	Sample Name	Origin	Manual Dilutio	Result	Comment	Status	Date / Time	Vial
1	Unknow	NPOC	BLANK	NPOC.me	1.000	NPOC:-0.1465mg/L	SM5310B SW846 9060A	Completed	8/29/2022 5:00:15 PM	1
2	Unknow	NPOC	CCV	NPOC.me	1.000	NPOC:15.90mg/L	SM5310B SW846 9060A	Completed	8/29/2022 5:23:13 PM	2
3	Unknow	NPOC	GP37990-MB1	NPOC.me	1.000	NPOC:-0.1095mg/L	SM5310B SW846 9060A	Completed	8/29/2022 5:46:01 PM	3
4	Unknow	NPOC	GP37990-B1	NPOC.me	1.000	NPOC:14.89mg/L	SM5310B SW846 9060A	Completed	8/29/2022 6:08:56 PM	4
5	Unknow	NPOC	FA98431-1	NPOC.me	1.000	NPOC:0.8214mg/L	SM5310B SW846 9060A	Completed	8/29/2022 6:31:44 PM	5
6	Unknow	NPOC	FA98431-2	NPOC.me	1.000	NPOC:0.4700mg/L	SM5310B SW846 9060A	Completed	8/29/2022 6:54:32 PM	6
7	Unknow	NPOC	FA98431-3	NPOC.me	1.000	NPOC:0.8317mg/L	SM5310B SW846 9060A	Completed	8/29/2022 7:17:24 PM	7
8	Unknow	NPOC	FA98431-4	NPOC.me	1.000	NPOC:0.5310mg/L	SM5310B SW846 9060A	Completed	8/29/2022 7:40:12 PM	8
9	Unknow	NPOC	FA98431-5	NPOC.me	1.000	NPOC:0.6935mg/L	SM5310B SW846 9060A	Completed	8/29/2022 8:03:00 PM	9
10	Unknow	NPOC	FA98431-6	NPOC.me	1.000	NPOC:0.3173mg/L	SM5310B SW846 9060A	Completed	8/29/2022 8:25:48 PM	10
11	Unknow	NPOC	GP37990-S1	NPOC.me	1.000	NPOC:14.82mg/L	SM5310B SW846 9060A	Completed	8/29/2022 8:48:49 PM	11
12	Unknow	NPOC	GP37990-S2	NPOC.me	1.000	NPOC:15.29mg/L	SM5310B SW846 9060A	Completed	8/29/2022 9:11:45 PM	12
13	Unknow	NPOC	CCV	NPOC.me	1.000	NPOC:16.10mg/L	SM5310B SW846 9060A	Completed	8/29/2022 9:35:01 PM	13
14	Unknow	NPOC	CCB	NPOC.me	1.000	NPOC:-0.08122mg/L	SM5310B SW846 9060A	Completed	8/29/2022 9:57:48 PM	14
15	Unknow	NPOC	FA98431-7	NPOC.me	1.000	NPOC:0.3202mg/L	SM5310B SW846 9060A	Completed	8/29/2022 10:20:36 P	15
16	Unknow	NPOC	FA98431-8	NPOC.me	1.000	NPOC:1.243mg/L	SM5310B SW846 9060A	Completed	8/29/2022 10:43:25 P	16
17	Unknow	NPOC	FA98431-9	NPOC.me	1.000	NPOC:0.7250mg/L	SM5310B SW846 9060A	Completed	8/29/2022 11:06:12 P	17
18	Unknow	NPOC	FA98431-11	NPOC.me	1.000	NPOC:0.8374mg/L	SM5310B SW846 9060A	Completed	8/29/2022 11:29:00 P	18
19	Unknow	NPOC	FA98427-1	NPOC.me	1.000	NPOC:0.04257mg/L	SM5310B SW846 9060A	Completed	8/29/2022 11:51:49 P	19
20	Unknow	NPOC	FA98427-2	NPOC.me	1.000	NPOC:-0.04113mg/L	SM5310B SW846 9060A	Completed	8/30/2022 12:14:36 A	20
21	Unknow	NPOC	FA98427-3	NPOC.me	1.000	NPOC:-0.02811mg/L	SM5310B SW846 9060A	Completed	8/30/2022 12:37:24 A	21
22	Unknow	NPOC	FA98427-4	NPOC.me	1.000	NPOC:0.09578mg/L	SM5310B SW846 9060A	Completed	8/30/2022 1:00:12 AM	22
23	Unknow	NPOC	FA98468-1	NPOC.me	1.000	NPOC:1.527mg/L	SM5310B SW846 9060A	Completed	8/30/2022 1:23:00 AM	23
24	Unknow	NPOC	FA98468-2	NPOC.me	1.000	NPOC:0.3860mg/L	SM5310B SW846 9060A	Completed	8/30/2022 1:45:48 AM	24
25	Unknow	NPOC	CCV	NPOC.me	1.000	NPOC:16.33mg/L	SM5310B SW846 9060A	Completed	8/30/2022 2:09:02 AM	25
26	Unknow	NPOC	GP37991-MB1	NPOC.me	1.000	NPOC:-0.07610mg/L	SM5310B SW846 9060A	Completed	8/30/2022 2:31:50 AM	26
27	Unknow	NPOC	GP37991-B1	NPOC.me	1.000	NPOC:15.11mg/L	SM5310B SW846 9060A	Completed	8/30/2022 2:55:28 AM	27
28	Unknow	NPOC	FA98468-3	NPOC.me	1.000	NPOC:7.680mg/L	SM5310B SW846 9060A	Completed	8/30/2022 3:18:24 AM	28
29	Unknow	NPOC	FA98468-7	NPOC.me	1.000	NPOC:0.6367mg/L	SM5310B SW846 9060A	Completed	8/30/2022 3:41:13 AM	29
30	Unknow	NPOC	FA98468-4	NPOC.me	1.000	NPOC:0.4278mg/L	SM5310B SW846 9060A	Completed	8/30/2022 4:04:03 AM	30
31	Unknow	NPOC	FA98468-5	NPOC.me	1.000	NPOC:0.7771mg/L	SM5310B SW846 9060A	Completed	8/30/2022 4:26:52 AM	31
32	Unknow	NPOC	FA98468-6	NPOC.me	1.000	NPOC:1.468mg/L	SM5310B SW846 9060A	Completed	8/30/2022 4:49:41 AM	32
33	Unknow	NPOC	FA98468-8	NPOC.me	1.000	NPOC:0.5120mg/L	SM5310B SW846 9060A	Completed	8/30/2022 5:12:30 AM	33
34	Unknow	NPOC	FA98468-9	NPOC.me	1.000	NPOC:1.069mg/L	SM5310B SW846 9060A	Completed	8/30/2022 5:35:19 AM	34
35	Unknow	NPOC	CCV	NPOC.me	1.000	NPOC:16.06mg/L	SM5310B SW846 9060A	Completed	8/30/2022 5:58:31 AM	35
36	Unknow	NPOC	CCB	NPOC.me	1.000	NPOC:-0.00331mg/L	SM5310B SW846 9060A	Completed	8/30/2022 6:21:20 AM	36
37	Unknow	NPOC	FA98473-11	NPOC.me	1.000	NPOC:4.419mg/L	SM5310B SW846 9060A	Completed	8/30/2022 6:44:09 AM	37
38	Unknow	NPOC	GP37991-S1	NPOC.me	1.000	NPOC:19.80mg/L	SM5310B SW846 9060A	Completed	8/30/2022 7:07:36 AM	38

8/30/2022 12:12:17 PM

C:\TOC3201\Data\toc 2 aq 08-29-2022.t32

	Type	Analysis	Sample Name	Origin	Manual Dilutio	Result	Comment	Status	Date / Time	Vial
39	Unknow	NPOC	GP37991-S2	NPOC.me	1.000	NPOC:19.74mg/L	SM5310B SW846 9060A	Completed	8/30/2022 7:30:56 AM	39
40	Unknow	NPOC	FA98473-12	NPOC.me	1.000	NPOC:4.469mg/L	SM5310B SW846 9060A	Completed	8/30/2022 7:53:52 AM	40
41	Unknow	NPOC	FA98474-2	NPOC.me	1.000	NPOC:6.455mg/L	SM5310B SW846 9060A	Completed	8/30/2022 8:16:41 AM	41
42	Unknow	NPOC	GP37991-S3	NPOC.me	1.000	NPOC:22.03mg/L	SM5310B SW846 9060A	Completed	8/30/2022 8:40:05 AM	42
43	Unknow	NPOC	GP37991-S4	NPOC.me	1.000	NPOC:21.68mg/L	SM5310B SW846 9060A	Completed	8/30/2022 9:03:50 AM	43
44	Unknow	NPOC	FA98474-3	NPOC.me	1.000	NPOC:6.379mg/L	SM5310B SW846 9060A	Completed	8/30/2022 9:26:39 AM	44
45	Unknow	NPOC	FA98241-1	NPOC.me	1.000	NPOC:13.22mg/L	SM5310B SW846 9060A	Completed	8/30/2022 9:49:52 AM	45
46	Unknow	NPOC	FA98241-2	NPOC.me	1.000	NPOC:21.96mg/L	SM5310B SW846 9060A	Completed	8/30/2022 10:12:53 A	46
47	Unknow	NPOC	CCV	NPOC.me	1.000	NPOC:14.95mg/L	SM5310B SW846 9060A	Completed	8/30/2022 10:36:16 A	47
48	Unknow	NPOC	CCB	NPOC.me	1.000	NPOC:-0.00427mg/L	SM5310B SW846 9060A	Completed	8/30/2022 10:59:07 A	48

Instr.Information

System	TOC-2
Instrument Options	TOC/ASI/
Catalyst	Regular Sensitivity

Sample

Sample Name:	BLANK
Sample ID:	Untitled
Origin:	NPOC.met
Status	Completed
Chk. Result	

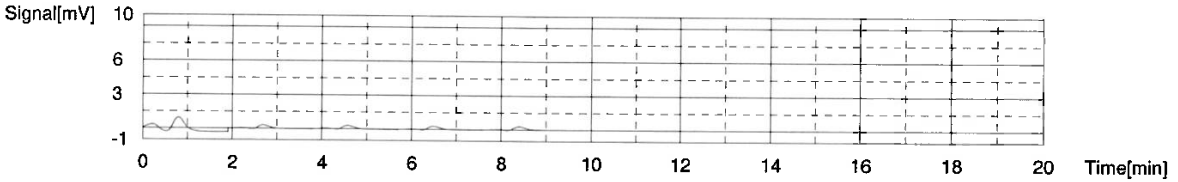
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.1465mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.360	0.08982mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 4:52:04 PM
2	0.5411	-0.1513mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 4:54:07 PM
3	0.5339	-0.1534mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 4:56:10 PM
4	0.5962	-0.1350mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 4:58:12 PM
5	0.5584	-0.1462mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:00:15 PM

Mean Area	0.5574
Mean Conc.	-0.1465mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

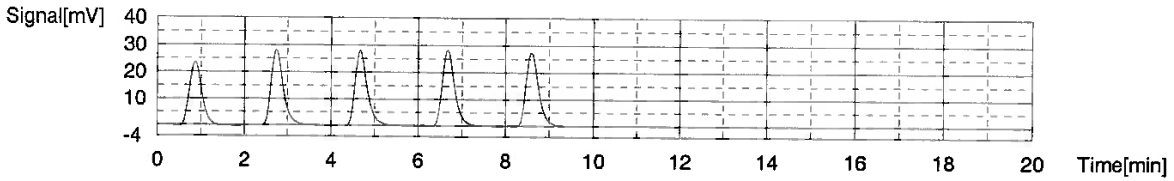
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.90mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	46.33	13.33mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:14:53 PM
2	55.18	15.93mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:16:59 PM
3	54.90	15.85mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:19:07 PM
4	55.45	16.01mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:21:11 PM
5	54.72	15.80mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:23:13 PM

Mean Area 55.06
Mean Conc. 15.90mg/L



Sample

Sample Name: GP37990-MB1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

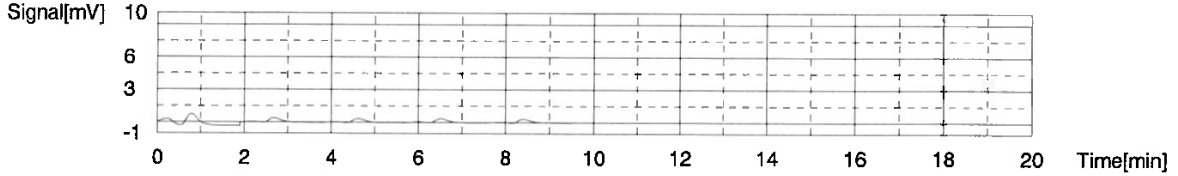
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.1095mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.136	0.02388mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:37:50 PM
2	0.7060	-0.1027mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:39:53 PM
3	0.7012	-0.1041mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:41:56 PM
4	0.6848	-0.1090mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:43:58 PM
5	0.6399	-0.1222mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:46:01 PM

Mean Area 0.6830
Mean Conc. -0.1095mg/L



Sample

Sample Name: GP37990-B1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

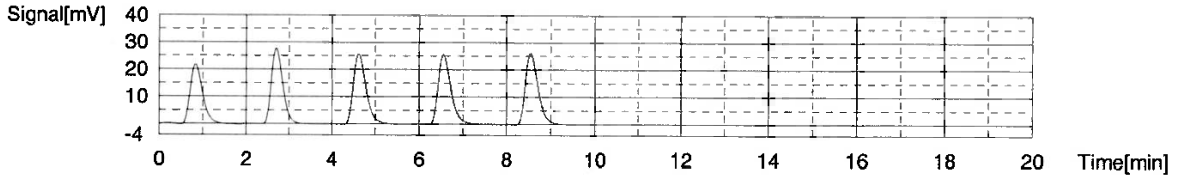
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.89mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.93	12.33mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:00:38 PM
2	51.24	14.77mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:02:41 PM
3	51.76	14.93mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:04:45 PM
4	52.03	15.01mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:06:53 PM
5	51.46	14.84mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:08:56 PM

Mean Area 51.62
Mean Conc. 14.89mg/L



Sample

Sample Name: FA98431-1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

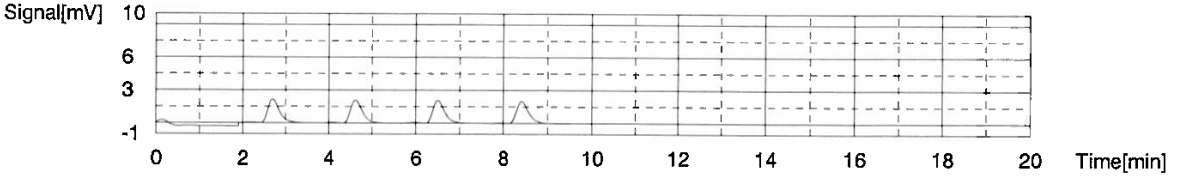
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.8214mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.3106mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:23:33 PM
2	3.890	0.8347mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:25:36 PM
3	3.806	0.8099mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:27:39 PM
4	3.874	0.8299mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:29:41 PM
5	3.810	0.8111mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:31:44 PM

Mean Area 3.845
Mean Conc. 0.8214mg/L



Sample

Sample Name: FA98431-2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

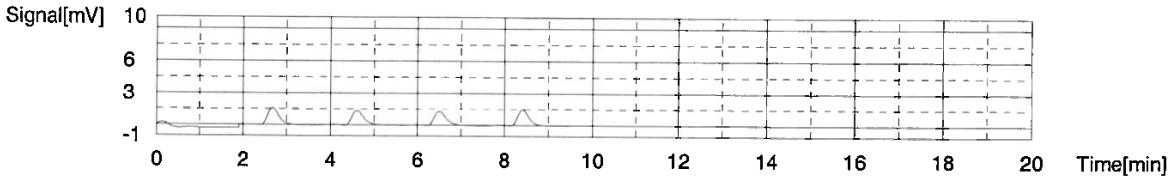
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4700mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1002	-0.2811mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:46:20 PM
2	2.825	0.5211mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:48:23 PM
3	2.576	0.4478mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:50:26 PM
4	2.544	0.4384mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:52:29 PM
5	2.661	0.4728mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:54:32 PM

Mean Area 2.652
Mean Conc. 0.4700mg/L



Sample

Sample Name: FA98431-3
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.8317mg/L

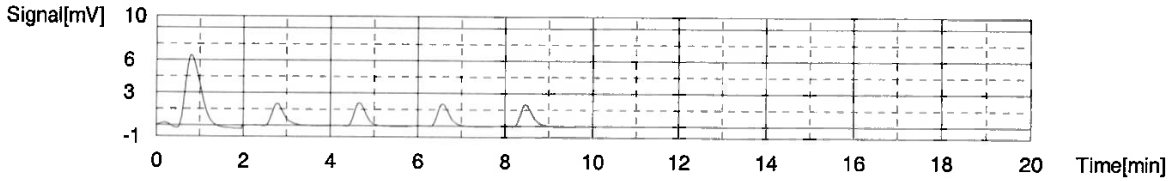
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.25	4.473mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:09:12 PM
2	3.926	0.8453mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:11:15 PM
3	3.903	0.8385mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:13:18 PM
4	3.871	0.8291mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:15:21 PM
5	3.820	0.8140mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:17:24 PM

Mean Area 3.880
Mean Conc. 0.8317mg/L



Sample

Sample Name: FA98431-4
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5310mg/L

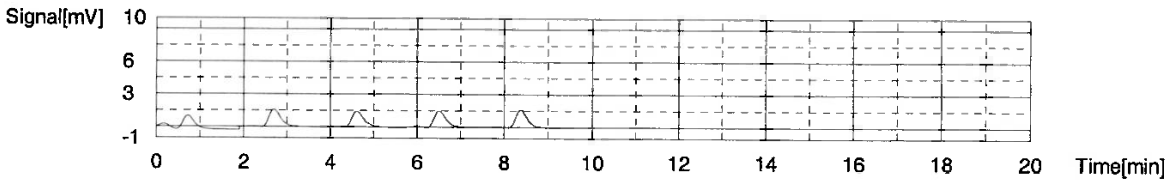
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.118	0.3130mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:32:00 PM
2	2.944	0.5562mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:34:03 PM
3	2.830	0.5226mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:36:06 PM
4	2.816	0.5185mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:38:09 PM
5	2.844	0.5267mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:40:12 PM

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Mean Area 2.859
Mean Conc. 0.5310mg/L



Sample

Sample Name: FA98431-5
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

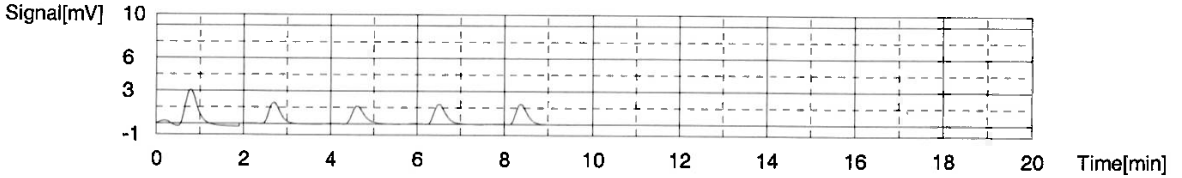
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6935mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.419	1.579mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:54:48 PM
2	3.491	0.7172mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:56:51 PM
3	3.337	0.6718mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:58:54 PM
4	3.457	0.7072mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:00:57 PM
5	3.357	0.6777mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:03:00 PM

Mean Area 3.410
Mean Conc. 0.6935mg/L



Sample

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Sample Name: FA98431-6
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

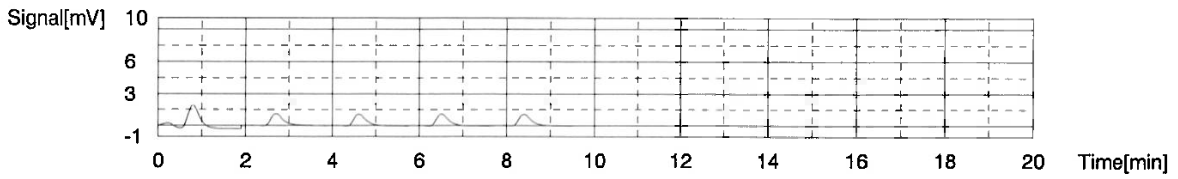
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3173mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.368	0.6810mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:17:36 PM
2	2.237	0.3480mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:19:39 PM
3	2.112	0.3112mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:21:42 PM
4	2.141	0.3197mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:23:45 PM
5	2.041	0.2903mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:25:48 PM

Mean Area 2.133
Mean Conc. 0.3173mg/L



Sample

Sample Name: GP37990-S1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.82mg/L

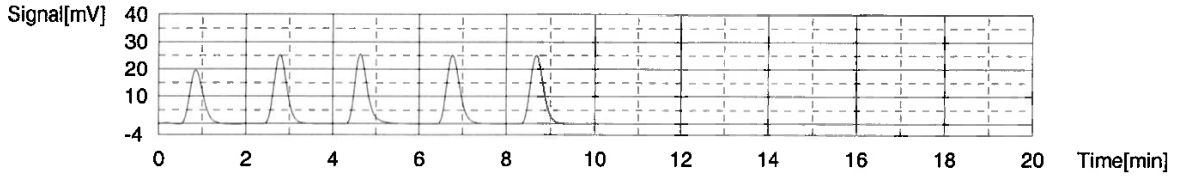
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.27	12.13mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:40:24 PM
2	51.41	14.82mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:42:27 PM
3	51.53	14.86mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:44:43 PM
4	51.64	14.89mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:46:46 PM
5	51.03	14.71mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:48:49 PM

Mean Area 51.40
Mean Conc. 14.82mg/L



Sample

Sample Name: GP37990-S2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

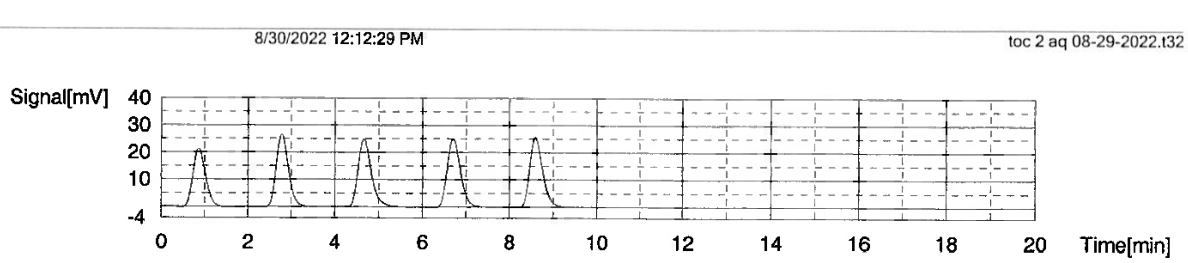
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.29mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	44.05	12.66mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:03:25 PM
2	52.45	15.13mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:05:28 PM
3	53.14	15.33mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:07:39 PM
4	52.94	15.27mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:09:42 PM
5	53.46	15.43mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:11:45 PM

Mean Area 53.00
Mean Conc. 15.29mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

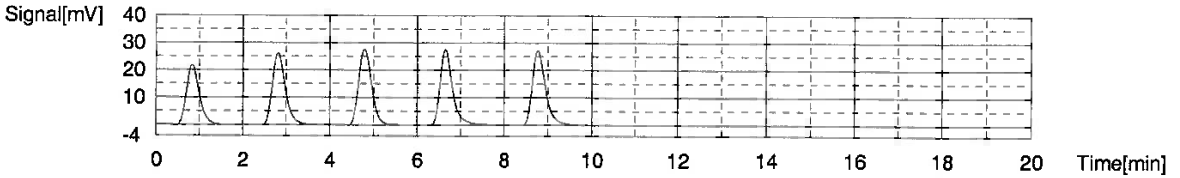
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:16.10mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	46.01	13.23mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:26:25 PM
2	54.69	15.79mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:28:32 PM
3	56.85	16.43mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:30:35 PM
4	55.33	15.98mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:32:49 PM
5	56.11	16.21mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:35:01 PM

Mean Area 55.75
Mean Conc. 16.10mg/L



Sample

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Sample Name: CCB
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

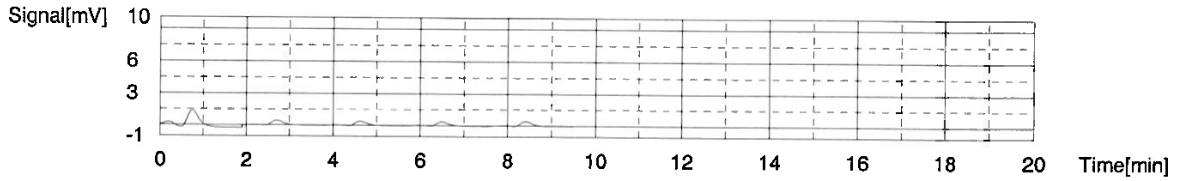
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.08122mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.206	0.3389mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:49:37 PM
2	0.8262	-0.06733mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:51:40 PM
3	0.7472	-0.09059mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:53:43 PM
4	0.7324	-0.09494mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:55:46 PM
5	0.8102	-0.07204mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:57:48 PM

Mean Area 0.7790
Mean Conc. -0.08122mg/L



Sample

Sample Name: FA98431-7
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

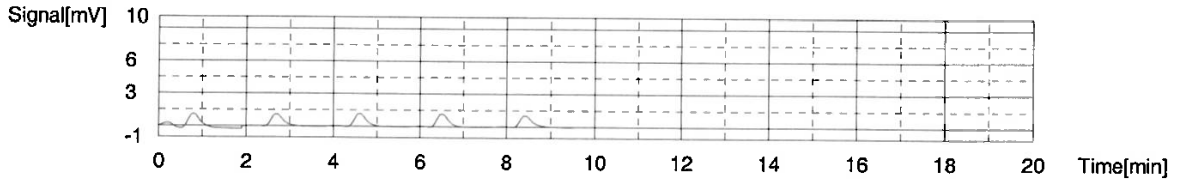
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3202mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.943	0.2615mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:12:25 PM
2	2.126	0.3153mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:14:28 PM
3	2.179	0.3309mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:16:31 PM
4	2.182	0.3318mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:18:34 PM
5	2.083	0.3027mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:20:36 PM

Mean Area 2.143
Mean Conc. 0.3202mg/L



Sample

Sample Name: FA98431-8
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.243mg/L

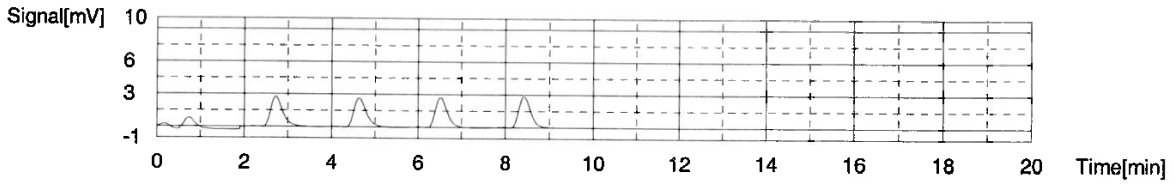
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.763	0.2085mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:35:13 PM
2	5.284	1.245mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:37:16 PM
3	5.252	1.236mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:39:19 PM
4	5.202	1.221mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:41:22 PM
5	5.367	1.269mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:43:25 PM

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Mean Area 5.276
Mean Conc. 1.243mg/L



Sample

Sample Name: FA98431-9
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

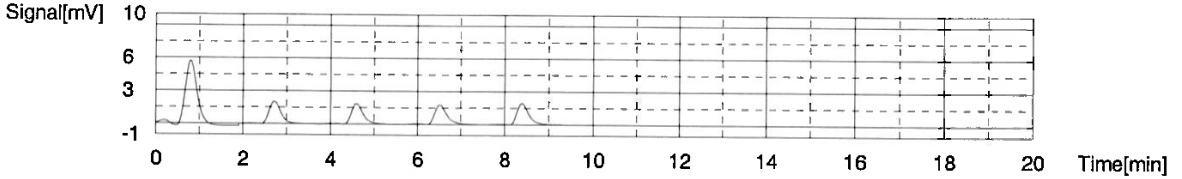
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.7250mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.97	2.919mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:58:01 PM
2	3.682	0.7734mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:00:04 PM
3	3.414	0.6945mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:02:07 PM
4	3.423	0.6972mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:04:10 PM
5	3.551	0.7349mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:06:12 PM

Mean Area 3.518
Mean Conc. 0.7250mg/L



Sample

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Sample Name: FA98431-11
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

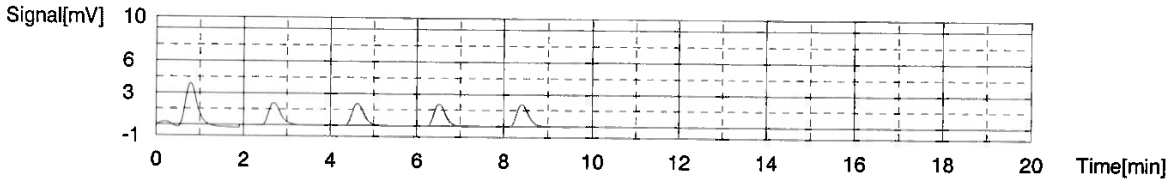
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.8374mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.110	1.783mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:20:49 PM
2	3.968	0.8576mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:22:52 PM
3	3.949	0.8520mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:24:55 PM
4	3.809	0.8108mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:26:58 PM
5	3.871	0.8291mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:29:00 PM

Mean Area 3.899
Mean Conc. 0.8374mg/L



Sample

Sample Name: FA98427-1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.04257mg/L

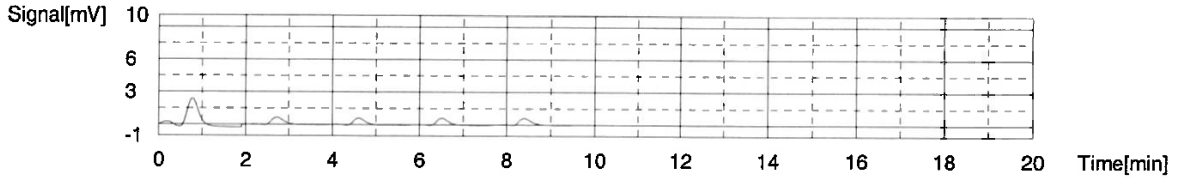
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.543	1.027mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:43:37 PM
2	1.299	0.07186mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:45:40 PM
3	1.127	0.02123mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:47:43 PM
4	1.167	0.03300mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:49:46 PM
5	1.205	0.04419mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:51:49 PM

Mean Area 1.200
Mean Conc. 0.04257mg/L



Sample

Sample Name: FA98427-2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.04113mg/L

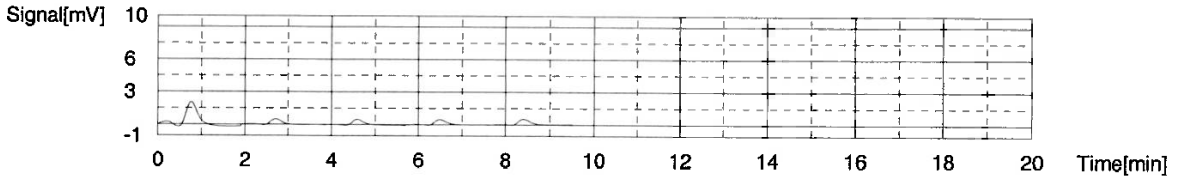
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.492	0.7175mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:06:25 AM
2	0.8825	-0.05075mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:08:28 AM
3	0.9039	-0.04445mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:10:31 AM
4	0.8921	-0.04793mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:12:34 AM
5	0.9823	-0.02137mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:14:36 AM

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Mean Area 0.9152
Mean Conc. -0.04113mg/L



Sample

Sample Name: FA98427-3
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

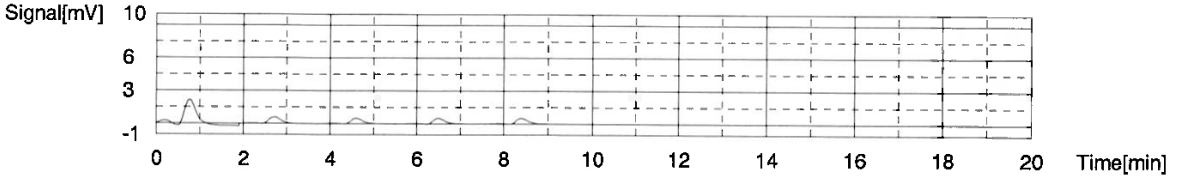
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.02811mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.699	0.7784mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:29:13 AM
2	1.054	-0.00026mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:31:16 AM
3	0.9462	-0.03200mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:33:19 AM
4	0.9054	-0.04401mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:35:22 AM
5	0.9320	-0.03618mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:37:24 AM

Mean Area 0.9594
Mean Conc. -0.02811mg/L



Sample

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Sample Name: FA98427-4
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

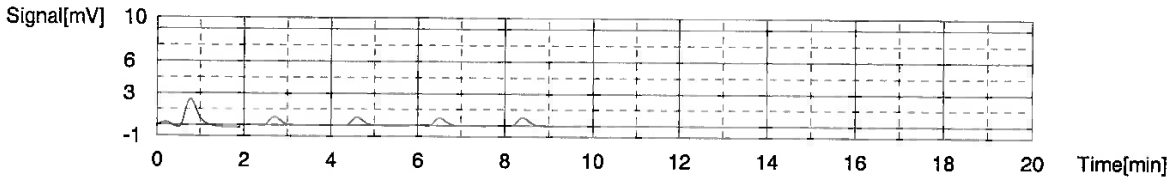
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.09578mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.592	1.041mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:52:01 AM
2	1.423	0.1084mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:54:04 AM
3	1.374	0.09394mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:56:07 AM
4	1.326	0.07981mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:58:10 AM
5	1.398	0.1010mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:00:12 AM

Mean Area 1.380
Mean Conc. 0.09578mg/L



Sample

Sample Name: FA98468-1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.527mg/L

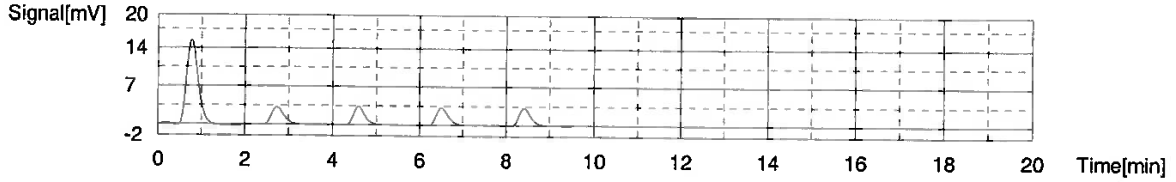
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	28.94	8.209mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:14:49 AM
2	6.369	1.564mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:16:52 AM
3	6.212	1.518mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:18:55 AM
4	6.273	1.536mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:20:58 AM
5	6.118	1.491mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:23:00 AM

Mean Area 6.243
Mean Conc. 1.527mg/L



Sample

Sample Name: FA98468-2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

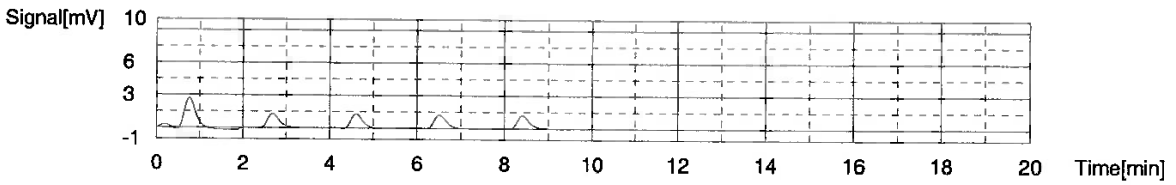
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3860mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.762	1.091mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:37:37 AM
2	2.412	0.3995mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:39:40 AM
3	2.391	0.3933mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:41:42 AM
4	2.304	0.3677mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:43:45 AM
5	2.357	0.3833mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:45:48 AM

Mean Area 2.366
Mean Conc. 0.3860mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

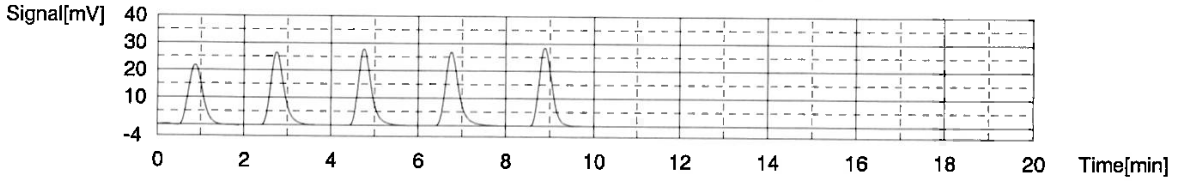
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:16.33mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	49.03	14.12mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:00:25 AM
2	55.89	16.14mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:02:35 AM
3	57.23	16.54mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:04:42 AM
4	56.96	16.46mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:06:59 AM
5	56.07	16.20mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:09:02 AM

Mean Area 56.54
Mean Conc. 16.33mg/L



Sample

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Sample Name: GP37991-MB1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

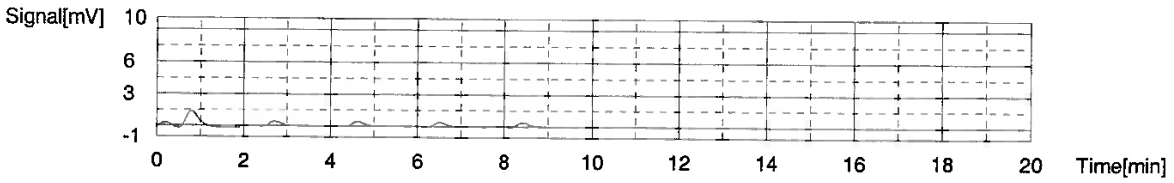
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.07610mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.472	0.4172mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:23:39 AM
2	0.8275	-0.06695mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:25:42 AM
3	0.8135	-0.07107mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:27:45 AM
4	0.7575	-0.08755mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:29:47 AM
5	0.7871	-0.07884mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:31:50 AM

Mean Area 0.7964
Mean Conc. -0.07610mg/L



Sample

Sample Name: GP37991-B1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.11mg/L

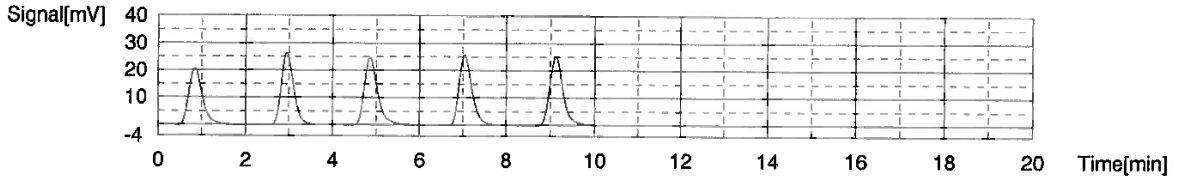
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	44.28	12.73mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:46:39 AM
2	51.85	14.95mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:48:42 AM
3	52.78	15.23mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:51:02 AM
4	52.60	15.17mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:53:13 AM
5	52.26	15.07mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:55:28 AM

Mean Area 52.37
Mean Conc. 15.11mg/L



Sample

Sample Name: FA98468-3
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

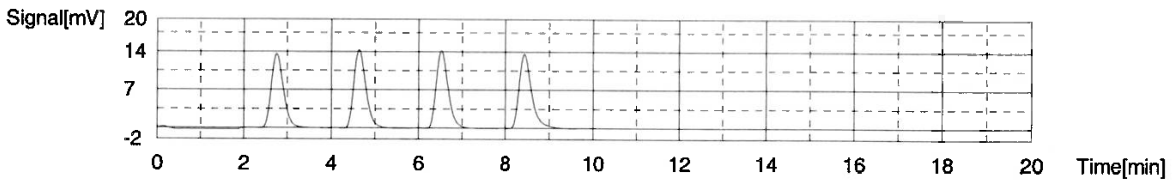
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:7.680mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.3106mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:10:06 AM
2	26.46	7.479mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:12:09 AM
3	27.62	7.821mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:14:11 AM
4	27.10	7.668mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:16:14 AM
5	27.39	7.753mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:18:24 AM

Mean Area 27.14
Mean Conc. 7.680mg/L



Sample

Sample Name: FA98468-7
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

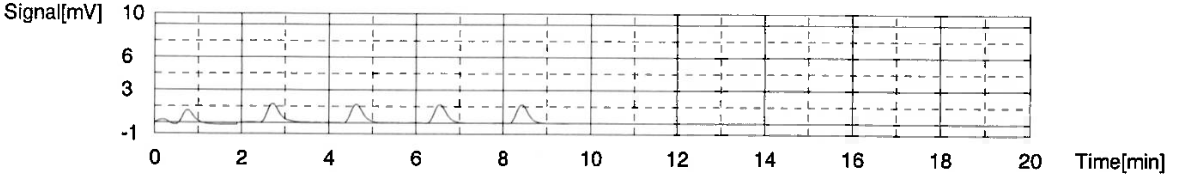
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6367mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.387	0.3922mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:33:02 AM
2	3.266	0.6509mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:35:05 AM
3	3.215	0.6359mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:37:07 AM
4	3.250	0.6462mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:39:10 AM
5	3.139	0.6136mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:41:13 AM

Mean Area 3.218
Mean Conc. 0.6367mg/L



Sample

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Sample Name: FA98468-4
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

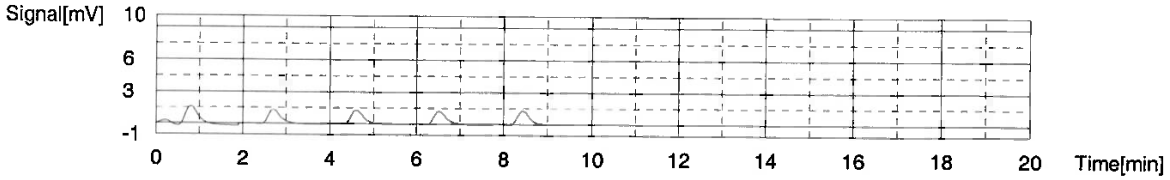
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4278mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.017	0.5776mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:55:51 AM
2	2.571	0.4463mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:57:54 AM
3	2.532	0.4349mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:59:57 AM
4	2.459	0.4134mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:02:00 AM
5	2.470	0.4166mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:04:03 AM

Mean Area 2.508
Mean Conc. 0.4278mg/L



Sample

Sample Name: FA98468-5
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.7771mg/L

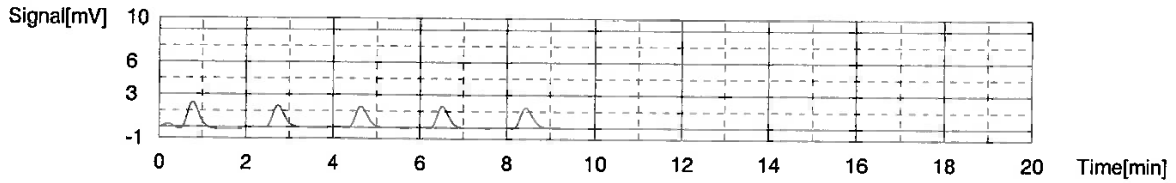
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.087	0.8926mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:18:40 AM
2	3.666	0.7687mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:20:43 AM
3	3.754	0.7946mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:22:46 AM
4	3.658	0.7664mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:24:49 AM
5	3.700	0.7787mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:26:52 AM

Mean Area 3.694
Mean Conc. 0.7771mg/L



Sample

Sample Name: FA98468-6
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

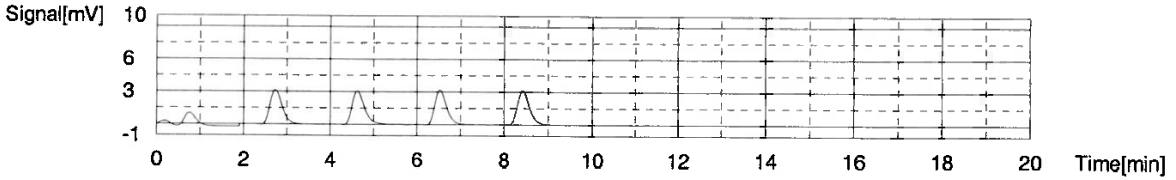
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.468mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.131	0.3168mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:41:29 AM
2	6.030	1.465mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:43:32 AM
3	6.055	1.472mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:45:35 AM
4	6.064	1.475mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:47:38 AM
5	6.013	1.460mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:49:41 AM

Mean Area 6.040
Mean Conc. 1.468mg/L



Sample

Sample Name: FA98468-8
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

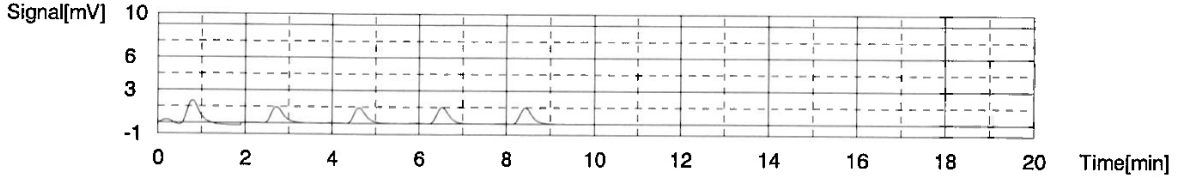
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5120mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.891	0.8349mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:04:18 AM
2	2.796	0.5126mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:06:21 AM
3	2.718	0.4896mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:08:24 AM
4	2.866	0.5332mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:10:27 AM
5	2.796	0.5126mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:12:30 AM

Mean Area 2.794
Mean Conc. 0.5120mg/L



Sample

Sample Name: FA98468-9
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

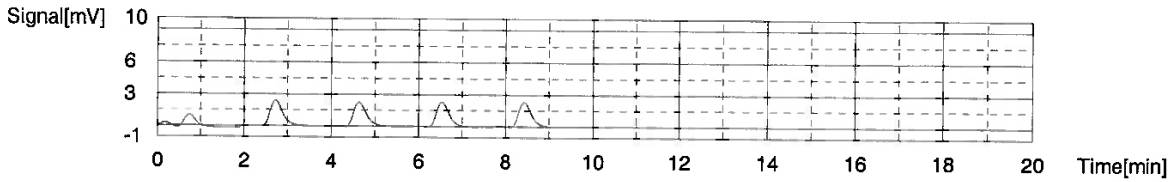
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.069mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.129	0.3162mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:27:07 AM
2	4.775	1.095mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:29:10 AM
3	4.676	1.066mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:31:13 AM
4	4.630	1.053mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:33:16 AM
5	4.667	1.063mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:35:19 AM

Mean Area 4.687
Mean Conc. 1.069mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:16.06mg/L

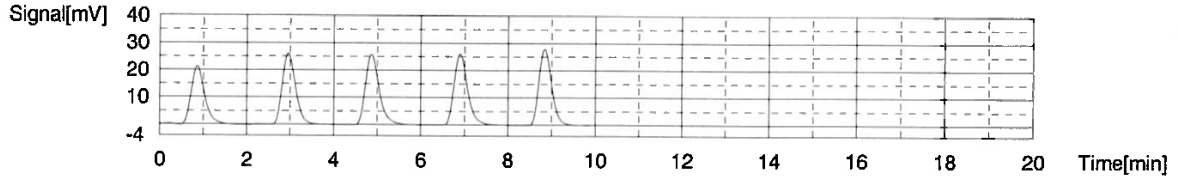
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	46.31	13.32mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:50:08 AM
2	55.05	15.90mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:52:11 AM
3	56.14	16.22mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:54:22 AM
4	55.32	15.98mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:56:28 AM
5	55.92	16.15mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:58:31 AM

Mean Area 55.61
Mean Conc. 16.06mg/L



Sample

Sample Name: CCB
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.00331mg/L

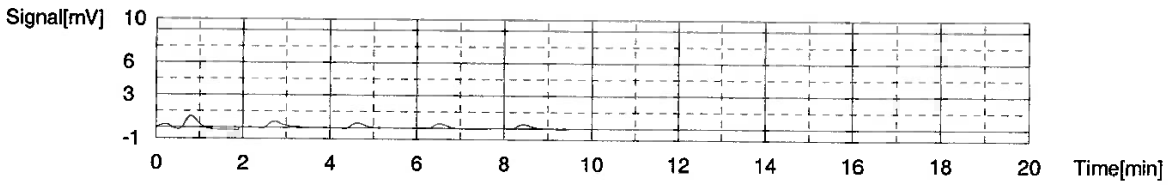
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.935	0.2591mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:13:08 AM
2	1.374	0.09394mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:15:11 AM
3	1.001	-0.01587mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:17:14 AM
4	0.9570	-0.02882mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:19:17 AM
5	0.8426	-0.06250mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:21:20 AM

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Mean Area 1.044
Mean Conc. -0.00331mg/L



Sample

Sample Name: FA98473-11
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

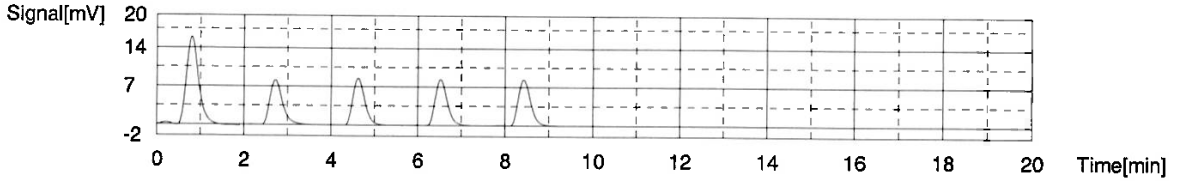
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.419mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	30.68	8.722mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:35:57 AM
2	16.04	4.412mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:38:00 AM
3	16.16	4.447mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:40:03 AM
4	16.05	4.415mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:42:06 AM
5	16.01	4.403mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:44:09 AM

Mean Area 16.07
Mean Conc. 4.419mg/L



Sample

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Sample Name: GP37991-S1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

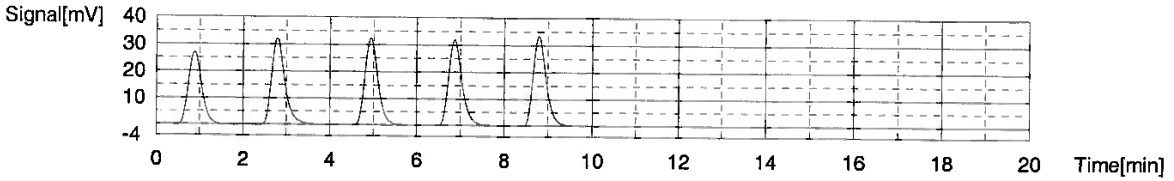
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:19.80mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	57.64	16.66mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:58:48 AM
2	68.19	19.76mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:01:05 AM
3	68.18	19.76mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:03:09 AM
4	68.06	19.73mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:05:15 AM
5	68.81	19.95mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:07:36 AM

Mean Area 68.31
Mean Conc. 19.80mg/L



Sample

Sample Name: GP37991-S2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:19.74mg/L

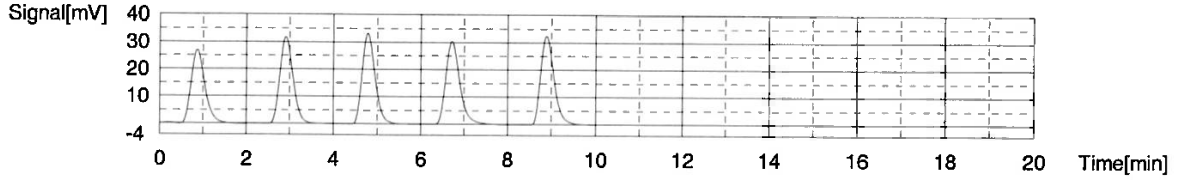
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	59.60	17.24mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:22:21 AM
2	67.28	19.50mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:24:24 AM
3	68.51	19.86mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:26:27 AM
4	69.03	20.01mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:28:49 AM
5	67.64	19.60mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:30:56 AM

Mean Area 68.12
Mean Conc. 19.74mg/L



Sample

Sample Name: FA98473-12
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.469mg/L

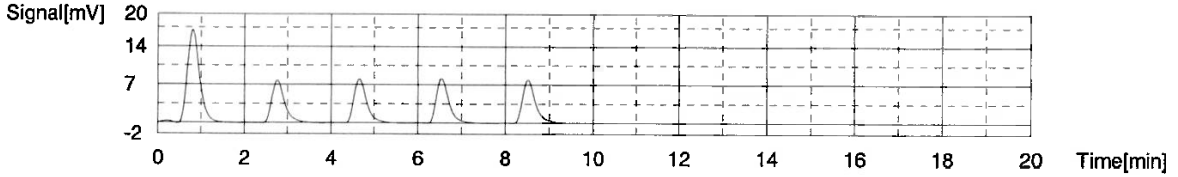
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.43	9.531mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:45:36 AM
2	16.07	4.420mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:47:39 AM
3	16.26	4.476mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:49:42 AM
4	16.16	4.447mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:51:49 AM
5	16.45	4.532mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:53:52 AM

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Mean Area 16.23
Mean Conc. 4.469mg/L



Sample

Sample Name: FA98474-2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

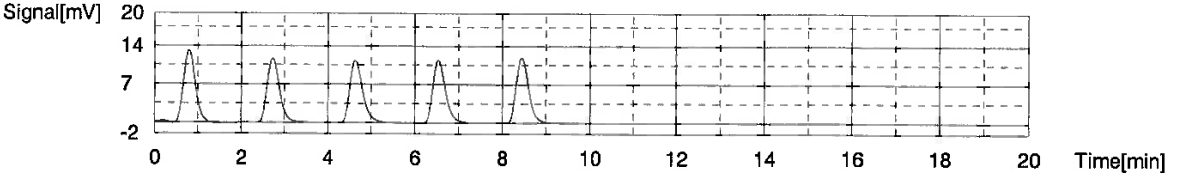
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:6.455mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	25.19	7.105mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:08:30 AM
2	23.00	6.461mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:10:33 AM
3	23.02	6.467mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:12:36 AM
4	22.72	6.378mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:14:39 AM
5	23.19	6.517mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:16:41 AM

Mean Area 22.98
Mean Conc. 6.455mg/L



Sample

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Sample Name: GP37991-S3
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

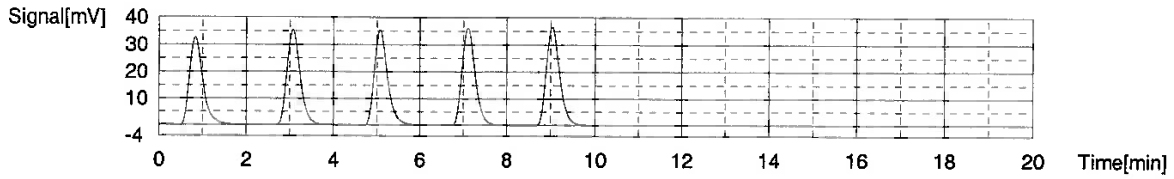
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:22.03mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	69.27	20.08mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:31:36 AM
2	74.38	21.59mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:33:46 AM
3	75.99	22.06mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:35:56 AM
4	76.43	22.19mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:38:01 AM
5	76.77	22.29mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:40:05 AM

Mean Area 75.89
Mean Conc. 22.03mg/L



Sample

Sample Name: GP37991-S4
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:21.68mg/L

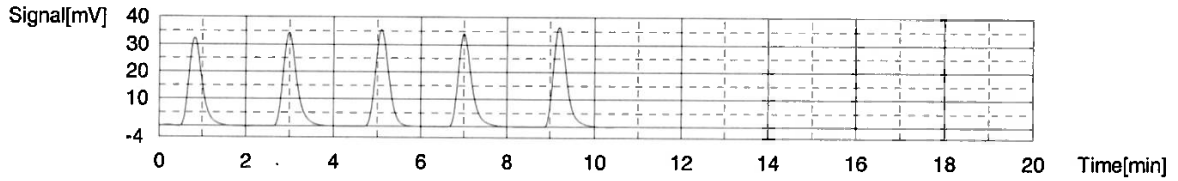
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	68.01	19.71mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:54:57 AM
2	73.68	21.38mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:57:10 AM
3	76.02	22.07mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:59:15 AM
4	73.72	21.39mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:01:37 AM
5	75.41	21.89mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:03:50 AM

Mean Area 74.71
Mean Conc. 21.68mg/L



Sample

Sample Name: FA98474-3
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

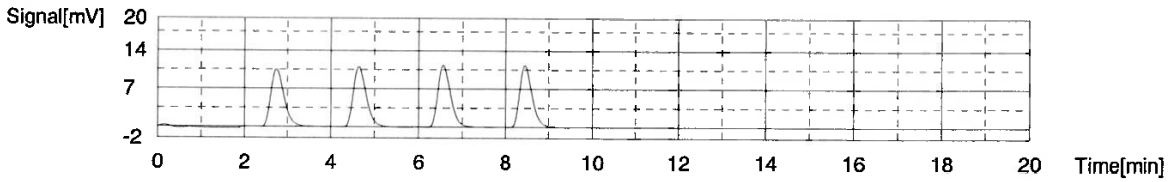
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:6.379mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.2085	-0.2492mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:18:28 AM
2	22.14	6.207mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:20:31 AM
3	22.81	6.405mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:22:34 AM
4	23.03	6.469mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:24:37 AM
5	22.91	6.434mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:26:39 AM

Mean Area 22.72
Mean Conc. 6.379mg/L



Sample

Sample Name: FA98241-1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

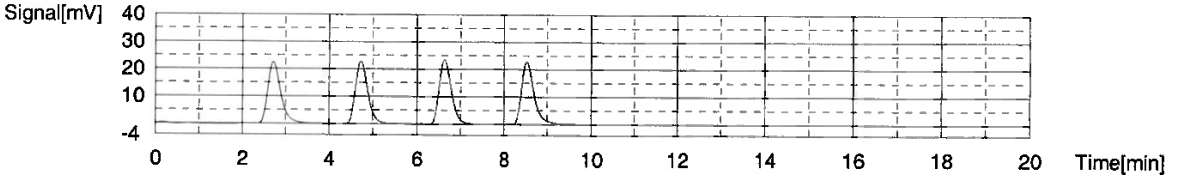
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:13.22mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.2830	-0.2272mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:41:17 AM
2	46.42	13.36mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:43:25 AM
3	44.76	12.87mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:45:28 AM
4	46.01	13.23mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:47:30 AM
5	46.64	13.42mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:49:52 AM

Mean Area 45.96
Mean Conc. 13.22mg/L



Sample

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FA98468

Sample Name: FA98241-2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

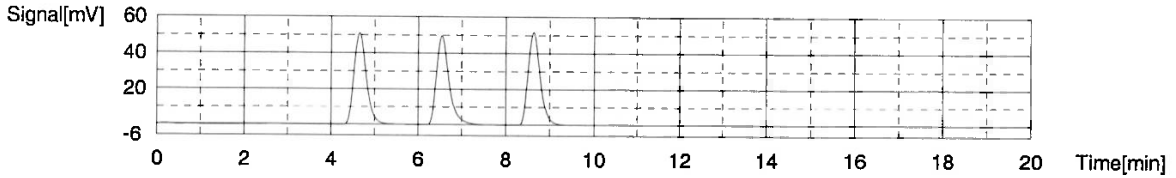
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:21.96mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.3766	-0.1997mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:04:30 AM
2	0.2917	-0.2247mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:06:33 AM
3	100.9	29.39mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:08:37 AM
4	101.9	29.69mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:10:50 AM
5	99.41	28.96mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:12:53 AM

Mean Area 75.65
Mean Conc. 21.96mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.95mg/L

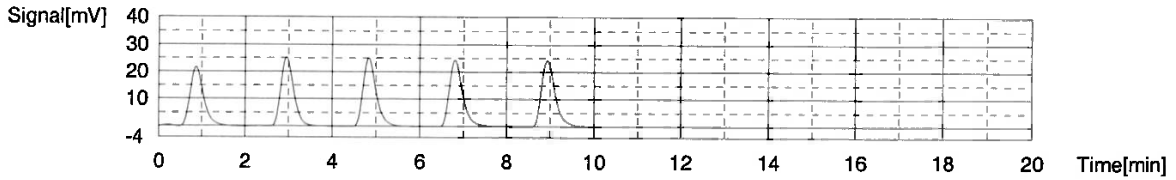
1. Det

Anal.: NPOC

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QC Reports: GN92193
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FA98468

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	47.15	13.57mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:27:42 AM
2	51.88	14.96mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:29:45 AM
3	52.44	15.13mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:31:52 AM
4	51.35	14.81mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:34:07 AM
5	51.71	14.91mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:36:16 AM

Mean Area 51.85
Mean Conc. 14.95mg/L



Sample

Sample Name: CCB
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.00427mg/L

1. Det

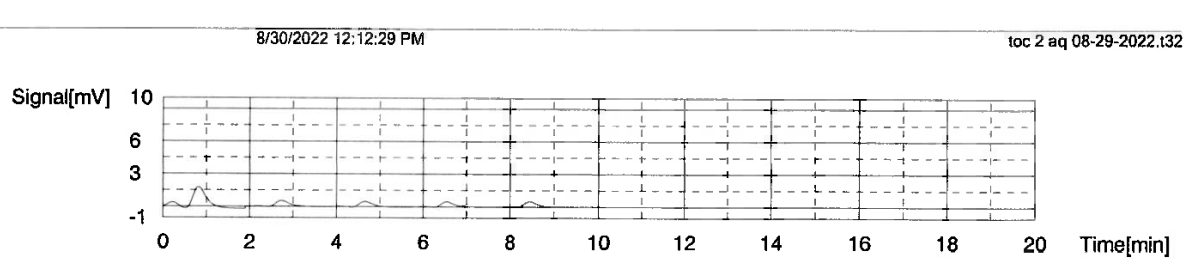
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.672	0.7705mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:50:55 AM
2	1.115	0.01769mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:52:58 AM
3	1.011	-0.01292mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:55:01 AM
4	0.9916	-0.01863mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:57:04 AM
5	1.044	-0.00321mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:59:07 AM

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8/30/2022 12:12:29 PM toc 2 aq 08-29-2022.t32

Mean Area	1.040
Mean Conc.	-0.00427mg/L



Instr.Information

System	TOC-2
Instrument Options	TOC/ASI/
Catalyst	Regular Sensitivity

Cal. Curve

Sample Name:	NPOC METHOD
Sample ID:	Untitled
Cal. Curve:	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal
Status	Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.166	50uL	1	********	E	7/13/2022 5:59:44 PM
2	0.6985	50uL	1	********		7/13/2022 6:01:47 PM
3	0.6631	50uL	1	********		7/13/2022 6:03:50 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 0.6808

Signal[mV]

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.606	50uL	1	********	E	7/13/2022 6:16:52 PM
2	4.779	50uL	1	********		7/13/2022 6:18:55 PM
3	4.869	50uL	1	********		7/13/2022 6:20:58 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 4.824

Signal[mV]

Conc: 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	7.484	50uL	1	********	E	7/13/2022 6:34:00 PM
2	8.271	50uL	1	********		7/13/2022 6:36:03 PM
3	8.316	50uL	1	********		7/13/2022 6:38:06 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 8.294

Signal[mV]

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	15.19	50uL	1	********	E	7/13/2022 6:51:08 PM
2	17.47	50uL	1	********		7/13/2022 6:53:11 PM
3	17.64	50uL	1	********		7/13/2022 6:55:14 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 17.56

Signal[mV]

Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	30.73	50uL	1	********	E	7/13/2022 7:08:16 PM
2	35.29	50uL	1	********		7/13/2022 7:10:19 PM
3	35.37	50uL	1	********		7/13/2022 7:12:30 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 35.33

Signal[mV]

Conc: 20.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	57.65	50uL	1	********	E	7/13/2022 7:25:34 PM
2	68.26	50uL	1	********		7/13/2022 7:27:48 PM
3	68.50	50uL	1	********		7/13/2022 7:29:51 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 68.38

Signal[mV]

Conc: 30.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	87.35	50uL	1	********	E	7/13/2022 7:42:56 PM
2	103.2	50uL	1	********		7/13/2022 7:44:59 PM
3	103.4	50uL	1	********		7/13/2022 7:47:02 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 103.3

Signal[mV]

Slope:	3.397
Intercept	1.055
r^2	0.9999
r	0.9999
Zero Shift	No

Area 113.63

Sample

Sample Name:	ICV
Sample ID:	Untitled
Origin:	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal
Status	Completed
Chk. Result	

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.68mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	45.49	13.08mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	7/14/2022 9:46:35 AM
2	51.10	14.73mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	7/14/2022 9:48:43 AM
3	50.74	14.63mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	7/14/2022 9:50:50 AM

Mean Area	50.92
Mean Conc.	14.68mg/L

Signal[mV]

SGS Orlando, FL

WORK GROUP PRODUCT SUMMARY (wk02p)

Aug 30 2022, 12:57 pm

Work Group: GN92193 for Department: 6 General Chemistry

Created: 29-AUG-22 Due: Operator: FRIDAN Desc: b20829wl.txt

Samplenum	PREM	Acctnum	ST	Matx	Deliv	Program	Location	%Sol	TAT	Workdate H	Collected	Due Date	StatDate	Products
FA98427-1		RTILMIL	PA	GW	FULT1	DODQSM53	WI1-38,VR-31,WI3-2, SUB,WI1-17,WI3-43,M-6		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		Previous: FA98427-1FX 01-OD2-2												
FA98427-2		RTILMIL	PA	GW	FULT1	DODQSM53	WI1-38,VR-31,WI3-2, SUB,WI1-17,WI3-43,M-6		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		Previous: FA98427-2FX 01-OD2-3												
FA98427-3		RTILMIL	PA	GW	FULT1	DODQSM53	WI1-38,VR-31,WI3-2, SUB,WI1-17,WI3-43,M-6		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		Previous: FA98427-3FX 90-14												
FA98427-4		RTILMIL	PA	GW	FULT1	DODQSM53	WI1-38,VR-31,WI3-2, SUB,WI1-17,WI3-43,M-6		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		Previous: FA98427-4FX 90-16												
FA98431-1		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		ClientID: B817-MW-002-0822												
FA98431-2		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		ClientID: B817-MW-003-0822												
FA98431-3		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		ClientID: WSA-MW16-0822												
FA98431-4		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		ClientID: WSA-MW18-0822												
FA98431-5		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		ClientID: WSA-MW19-0822												
FA98431-6		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		ClientID: WSA-MW21-0822												
FA98431-7		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		ClientID: WSA-MW23-0822												
FA98431-8		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC

Requested By: _____ Date/Time: ___/___/___ ___:___ The Following samples have been depleted or broken: _____

Relinquished By (Sample Mgt.): _____ Received By (Lab): _____ Date/Time: ___/___/___ ___:___

Relinquished By (Lab): _____ Received By (Sample Mgt.): _____ Date/Time: ___/___/___ ___:___

SGS Orlando, FL

WORK GROUP PRODUCT SUMMARY (wk02p)

Aug 30 2022, 12:57 pm

Work Group: GN92193 for Department: 6 General Chemistry

Created: 29-AUG-22 Due: Operator: FRIDAN Desc: b20829wl.txt

Samplenum	PREM	Acctnum	ST	Matx	Deliv	Program	Location	%Sol	TAT	Workdate	H	Collected	Due Date	StatDate	Products
		ClientID: WSA-MW9-0822													
FA98431-9		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22		25-AUG-22	09-SEP-22		TOC
		ClientID: WSA-VMW17-0822													
FA98431-11		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22		25-AUG-22	09-SEP-22		TOC
		ClientID: WSA-MW16-0822-A													
FA98468-1		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: LF6MW-12-0822													
FA98468-2		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: LF6MW-39-0822													
FA98468-3		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: LF6SW-1PM-0822													
FA98468-4		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: LF6VMW-13R-0822													
FA98468-5		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: LF6VMW-13RD-0822													
FA98468-6		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: WL-LF6TW-35-0822													
FA98468-7		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: WL-LF6TW-36-0822													
FA98468-8		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: WL-LF6TW-38-0822													
FA98468-9		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: WL-LF6VMW-26-0822													
FA98473-11		ECCLWCO	MO	GW	FULT1	DOD-QSM5	WI1-38,VR-35		14	10-SEP-22		25-AUG-22	12-SEP-22		TOC
		ClientID: 17MW125-3Q2022													
FA98473-12		ECCLWCO	MO	GW	FULT1	DOD-QSM5	WI1-38,VR-35		14	10-SEP-22		25-AUG-22	12-SEP-22		TOC
		ClientID: 17MW125-3Q2022-DUP													
FA98474-2		ECCLWCO	MO	GW	FULT1	DOD-QSM5	WI1-38,VR-35		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC

Requested By: _____ Date/Time: ___/___/___ ___:___ The Following samples have been depleted or broken: _____

Relinquished By (Sample Mgt.): _____ Received By (Lab): _____ Date/Time: ___/___/___ ___:___

Relinquished By (Lab): _____ Received By (Sample Mgt.): _____ Date/Time: ___/___/___ ___:___

SGS Orlando, FL

WORK GROUP PRODUCT SUMMARY (wk02p)

Aug 30 2022, 12:57 pm

Work Group: GN92193 for Department: 6 General Chemistry

Created: 29-AUG-22 Due: Operator: FRIDAN Desc: b20829wl.txt

Samplenum	PREM	Acctnum	ST	Matx	Deliv	Program	Location	%Sol	TAT	Workdate	H	Collected	Due Date	StatDate	Products
		ClientID: 18MW140-3Q2022													
FA98474-3		ECCLWCO	MO	GW		FULT1	DOD-QSM5 WI1-38,VR-35		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: 18MW140-3Q2022-DUP													
GP37990-B1		NONE								30-AUG-22			09-SEP-22		TOC
GP37990-S1		NONE								30-AUG-22			09-SEP-22		TOC
												COMMENTS:	FA98431-6		
GP37990-S2		NONE								30-AUG-22			09-SEP-22		TOC
												COMMENTS:	FA98431-6		
GP37990-MB1		NONE								30-AUG-22			09-SEP-22		TOC
GP37991-B1		NONE								30-AUG-22			09-SEP-22		TOC
GP37991-S1		NONE								30-AUG-22			09-SEP-22		TOC
												COMMENTS:	FA98473-11		
GP37991-S2		NONE								30-AUG-22			09-SEP-22		TOC
												COMMENTS:	FA98473-11		
GP37991-S3		NONE								30-AUG-22			09-SEP-22		TOC
												COMMENTS:	FA98474-2		
GP37991-S4		NONE								30-AUG-22			09-SEP-22		TOC
												COMMENTS:	FA98474-2		
GP37991-MB1		NONE								30-AUG-22			09-SEP-22		TOC

Requested By: _____ Date/Time: ___/___/___ ___:___ The Following samples have been depleted or broken: _____

Relinquished By (Sample Mgt.): _____ Received By (Lab): _____ Date/Time: ___/___/___ ___:___

Relinquished By (Lab): _____ Received By (Sample Mgt.): _____ Date/Time: ___/___/___ ___:___

TOC ANALYSIS LOG, Aqueous

DATE:	09-02-2022
ANALYST:	F.N.
INSTRUMENT:	TOC2
INST. FILE NAME:	220902w1.txt
Filter Lot#:	280632432

METHODS:	SM5310B SW846 9060A
METHOD FILE:	NPOC-MET
CALIB. DATE:	09-01-2022
GN BATCH:	GN92230

pH paper lot#	230320
pipette ID#	TU 11245
pipette ID#	PU 13805
pipette ID#	—

STANDARDS	
ICAL:	LIST INDIVIDUALLY IN COMMENTS
ICV:	TOC 4033
CCV:	TOC 4025
QC:	WC 1799

Autosampler position	Sample ID	Bottle #	pH, su	Injected Volume, ml	Manual Dilution	Instrument Dilution	GP BATCH	COMMENTS
1	BLANK	—	—	50 mL	1x	1x		
2	CCV	1—	1.5					
3	MB1 (F)	—	—				38003	
4	B1 (F)	—	1.5					
5	FA98468-1F		1.5					NO MS/MSD DUE TO INSUFFICIENT SAMPLE VOLUME.
6	-2F		1.5					
7	-3F		1.5					
8	-4F		1.5					FA JOB #98468 WAS FILTERED IN LAB PRIOR ANALYSIS FROM PRESERVED VIALS.
9	-5F		1.5					
10	CCV	—	1.5					
11	CCB	—	—					
12	FA98468-6F		1.5				38003	
13	-7F		1.5					
14	-8F		1.5					(F) ⇒ LAB FILTERED MB1 + B1/B2.
15	-9F		1.5					
16	B2 (F)	—	1.5					
17	CCV	—	1.5					
18	CCB	—	—					
					F.N. 09/06/22			

Notes: (1 of 1) DOC SAMPLES / DOC RUN.

Analyst Signature: Fridah N.

SGS Accutest - Orlando Organic Carbon Standards Preparation Log

SGS Std. #	Name Description	Parent Std. #	Parent Name	Parent Vendor	Parent Exp. Date	Parent Conc(mg/l)	Weight(g) / Vol.(ml) used	Bal.ID**/ pipette ID	Final Vol.(ml)	Final Conc(mg/l)	pH paper lot#	Prep. Date	Exp. Date	Initials
TOC 4014	MDL-6 1PPM	WC 1908	TOC KHP-1	INORG. VENTUR.	02/15/23	1000	ml 0.04	NU 04977	40	1.0	230 320	07/19/22	07/31/22	F.N.
TOC 4015	MDL-7 1PPM	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
TOC 4016	CCV-STD 15 PPM	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 x3 mL	TU11245	40	15.0	230320	07/22/22	08/22/22	ST
TOC 4017	CCV-STD 15 PPM	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 x2 mL	KU15244	40	15.0	230320	07/25/22	08/25/22	ST
TOC 4018	MDL-1 (L) 1PPM	WC 1908	TOC KHP-1	INORGANIC VENTURES	02/15/23	1000	0.1	NU 04977	100	1.0	230 320	07/19/22	08/19/22	F.N.
TOC 4019	MDL-2 (L) 1PPM	↓	↓	↓	↓	1000	↓	↓	100	↓	↓	↓	↓	↓
TOC 4020	MDL-3 (L) 1PPM	↓	↓	↓	↓	1000	↓	↓	100	↓	↓	↓	↓	↓
TOC 4021	MDL-4 (L) 1PPM	WC 1908	TOC KHP-1	INORG. VENTUR.	02/15/23	1000	0.1	NU 04977	100	1.0	230320	07/26/22	08/26/22	F.N.
TOC 4022	MDL-5 (L) 1PPM	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
TOC 4023	BSP (F)	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 mL	TU11245	40	15.0	230320	08/01/22	08/07/22	ST
TOC 4024	BSP	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 mL	TU11245	40	15.0	230320	08/03/22	08/10/22	ST
TOC 4025	CCV - STD 15 PPM	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	ml 3.75	PU 13805	250	15.0	230 320	08/16/22	09/16/22	F.N.
TOC 4026	ICV - STD 15 PPM	WC 1799	↓	↓	↓	↓	ml 3.75	↓	250	15.0	↓	08/16/22	09/16/22	F.N.
TOC 4027	Cal Std # 1 1PPM	WC 1908	TOC KHP-1	INORGANIC VENTURES	02/15/23	1000	ml 0.1	TU 11245	100	1.0	230320	09/01/22	10/01/22	F.N.
TOC 4028	Cal Std #2 2PPM	↓	↓	↓	↓	↓	ml 0.2	↓	↓	2.0	↓	↓	↓	F.N.
TOC 4029	Cal Std #3 5 PPM	↓	↓	↓	↓	↓	ml 0.5	↓	↓	5.0	↓	↓	↓	F.N.
TOC 4030	Cal Std #4 10PPM	↓	↓	↓	↓	↓	ml 1.0	↓	↓	10.0	↓	↓	↓	F.N.

** Record ANALYTICAL balance sequential number

SGS Accutest - Orlando Organic Carbon Standards Preparation Log

SGS Std. #	Name Description	Parent Std. #	Parent Name	Parent Vendor	Parent Exp. Date	Parent Conc(mg/l)	Weight(g) / Vol.(ml) used	Bal.ID**/ pipette ID	Final Vol.(ml)	Final Conc(mg/l)	pH paper lot#	Prep. Date	Exp. Date	Initials
TOC 4031	Cal Std #5 20ppm	WC 1908	TOC KHP-1	INORG. VENTUR.	02/15/23	1000	ml 2.0	TV 11245	100	20	230320	09/01/22	10/01/22	F.N.
TOC 4032	Cal Std #6 30ppm.	↓	↓	↓	↓	↓	ml 3.0	↓	↓	30	↓	↓	↓	F.N.
TOC 4033	ICV-STD 15PPM	WC 1799	TOC KHP-1	↓	01/03/23	↓	ml 1.5	PV 13805	↓	15	↓	↓	↓	F.N.
TOC 4034	CCV-STD 15PPM	WC 1799	TOC KHP-1	INORGA NIC	01/03/23	1000	ml 3.75	PV 13805	250	15	230320	09/06/22	→	F.N.
TOC 4035	ICV-STD 15PPM	WC 1799	TOC KHP-1	VENTU-RES	01/03/23	1000	ml 3.75	PV 13805	250	15	230320	09/06/22	→	F.N.

** Record ANALYTICAL balance sequential number

	Type	Analysis	Sample Name	Origin	Manual Dilutio	Result	Comment	Status	Date / Time	Vial
1	Unknow	NPOC	BLANK	NPOC.met	1.000	NPOC:0.2665mg/L	SM5310B SW846 9060A	Completed	9/2/2022 5:23:37 PM	1
2	Unknow	NPOC	CCV	NPOC.met	1.000	NPOC:16.37mg/L	SM5310B SW846 9060A	Completed	9/2/2022 5:47:15 PM	2
3	Unknow	NPOC	GP38003-MB1	NPOC.met	1.000	NPOC:0.1741mg/L	SM5310B SW846 9060A	Completed	9/2/2022 6:10:03 PM	3
4	Unknow	NPOC	GP38003-B1	NPOC.met	1.000	NPOC:16.41mg/L	SM5310B SW846 9060A	Completed	9/2/2022 6:33:17 PM	4
5	Unknow	NPOC	FA98468-1F	NPOC.met	1.000	NPOC:2.098mg/L	SM5310B SW846 9060A	Completed	9/2/2022 6:56:05 PM	5
6	Unknow	NPOC	FA98468-2F	NPOC.met	1.000	NPOC:0.9662mg/L	SM5310B SW846 9060A	Completed	9/2/2022 7:18:53 PM	6
7	Unknow	NPOC	FA98468-3F	NPOC.met	1.000	NPOC:4.284mg/L	SM5310B SW846 9060A	Completed	9/2/2022 7:41:41 PM	7
8	Unknow	NPOC	FA98468-4F	NPOC.met	1.000	NPOC:0.9705mg/L	SM5310B SW846 9060A	Completed	9/2/2022 8:04:29 PM	8
9	Unknow	NPOC	FA98468-5F	NPOC.met	1.000	NPOC:1.297mg/L	SM5310B SW846 9060A	Completed	9/2/2022 8:27:49 PM	9
10	Unknow	NPOC	CCV	NPOC.met	1.000	NPOC:16.45mg/L	SM5310B SW846 9060A	Completed	9/2/2022 8:51:28 PM	10
11	Unknow	NPOC	CCB	NPOC.met	1.000	NPOC:0.1400mg/L	SM5310B SW846 9060A	Completed	9/2/2022 9:14:16 PM	11
12	Unknow	NPOC	FA98468-6F	NPOC.met	1.000	NPOC:1.681mg/L	SM5310B SW846 9060A	Completed	9/2/2022 9:37:04 PM	12
13	Unknow	NPOC	FA98468-7F	NPOC.met	1.000	NPOC:0.9992mg/L	SM5310B SW846 9060A	Completed	9/2/2022 9:59:52 PM	13
14	Unknow	NPOC	FA98468-8F	NPOC.met	1.000	NPOC:0.9283mg/L	SM5310B SW846 9060A	Completed	9/2/2022 10:22:40 PM	14
15	Unknow	NPOC	FA98468-9F	NPOC.met	1.000	NPOC:1.595mg/L	SM5310B SW846 9060A	Completed	9/2/2022 10:45:28 PM	15
16	Unknow	NPOC	GP38003-B2	NPOC.met	1.000	NPOC:16.50mg/L	SM5310B SW846 9060A	Completed	9/2/2022 11:08:50 PM	16
17	Unknow	NPOC	CCV	NPOC.met	1.000	NPOC:16.46mg/L	SM5310B SW846 9060A	Completed	9/2/2022 11:31:54 PM	17
18	Unknow	NPOC	CCB	NPOC.met	1.000	NPOC:0.09653mg/L	SM5310B SW846 9060A	Completed	9/2/2022 11:54:42 PM	18

Instr.Information

System	TOC-2
Instrument Options	TOC/ASI/
Catalyst	Regular Sensitivity

Sample

Sample Name:	BLANK
Sample ID:	Untitled
Origin:	NPOC.met
Status	Completed
Chk. Result	

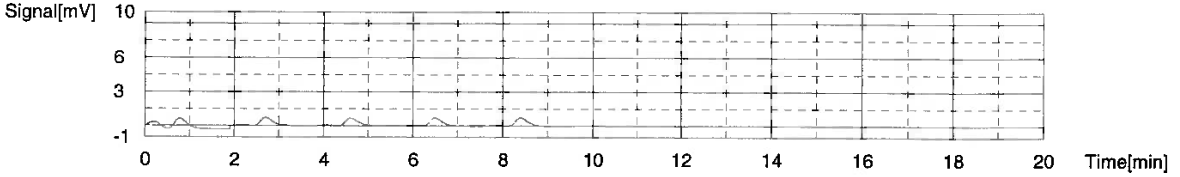
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2665mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9321	0.1440mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 5:15:25 PM
2	1.312	0.2551mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 5:17:28 PM
3	1.333	0.2613mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 5:19:31 PM
4	1.380	0.2750mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 5:21:34 PM
5	1.378	0.2744mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 5:23:37 PM

Mean Area	1.351
Mean Conc.	0.2665mg/L



Sample

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QC Reports:
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11.2

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

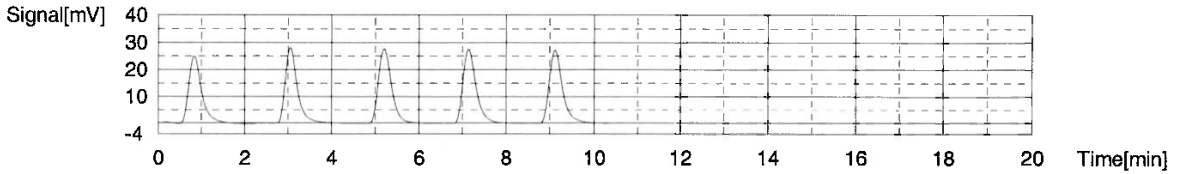
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:16.37mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	51.77	15.02mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 5:38:33 PM
2	55.09	15.99mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 5:40:48 PM
3	57.42	16.67mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 5:42:55 PM
4	56.60	16.43mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 5:45:03 PM
5	56.40	16.37mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 5:47:15 PM

Mean Area 56.38
Mean Conc. 16.37mg/L



Sample

Sample Name: GP38003-MB1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.1741mg/L

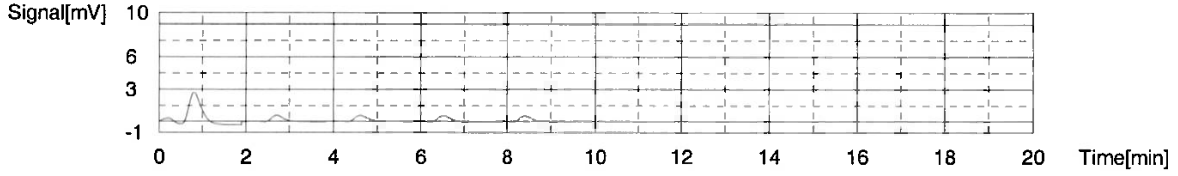
1. Det

Anal.: NPOC

Raw Data GN92230: Dissolved Organic Carbon page 6 of 21
QC Reports:
GN92230
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FA98468
11.2

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.983	1.329mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 6:01:51 PM
2	1.061	0.1817mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 6:03:54 PM
3	1.148	0.2071mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 6:05:57 PM
4	1.031	0.1729mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 6:08:00 PM
5	0.9001	0.1346mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 6:10:03 PM

Mean Area 1.035
Mean Conc. 0.1741mg/L



Sample

Sample Name: GP38003-B1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

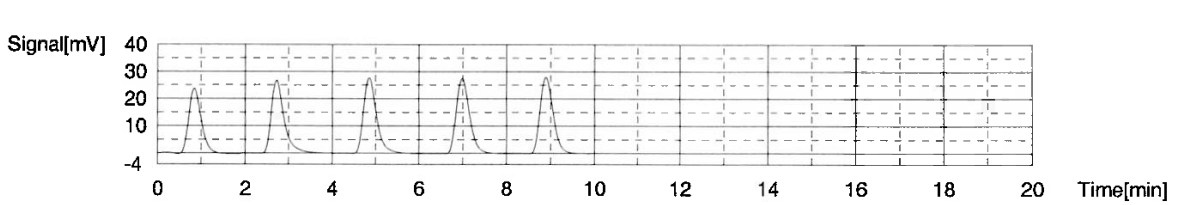
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:16.41mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	46.99	13.62mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 6:24:40 PM
2	54.87	15.93mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 6:26:54 PM
3	57.87	16.80mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 6:29:11 PM
4	56.68	16.46mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 6:31:14 PM
5	56.75	16.48mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 6:33:17 PM

Mean Area 56.54
Mean Conc. 16.41mg/L



Sample

Sample Name: FA98468-1F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

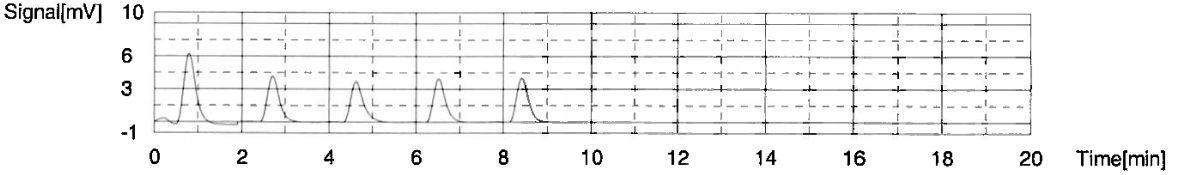
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.098mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.27	3.169mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 6:47:54 PM
2	7.819	2.159mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 6:49:57 PM
3	7.539	2.077mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 6:51:59 PM
4	7.544	2.079mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 6:54:02 PM
5	7.543	2.078mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 6:56:05 PM

Mean Area 7.611
Mean Conc. 2.098mg/L



Sample

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QC Reports:
GN92230
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FA98468
11.2

Sample Name: FA98468-2F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

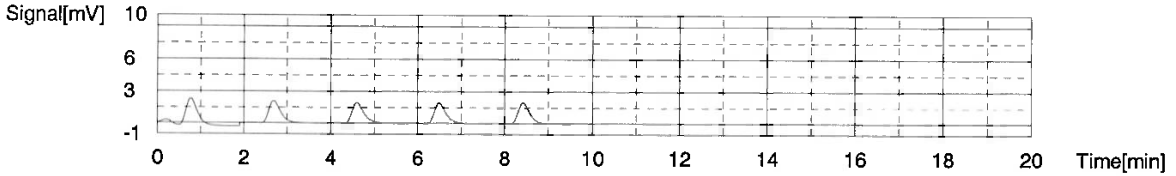
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.9662mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.962	1.030mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 7:10:42 PM
2	3.946	1.026mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 7:12:44 PM
3	3.654	0.9404mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 7:14:47 PM
4	3.650	0.9392mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 7:16:50 PM
5	3.719	0.9594mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 7:18:53 PM

Mean Area 3.742
Mean Conc. 0.9662mg/L



Sample

Sample Name: FA98468-3F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.284mg/L

1. Det

Anal.: NPOC

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QC Reports: GN92230
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FA98468
11.2 11

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.80	3.909mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 7:33:30 PM
2	15.28	4.342mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 7:35:32 PM
3	15.01	4.263mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 7:37:35 PM
4	15.28	4.342mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 7:39:38 PM
5	14.76	4.190mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 7:41:41 PM

Mean Area 15.08
Mean Conc. 4.284mg/L

Sample

Sample Name: FA98468-4F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.9705mg/L

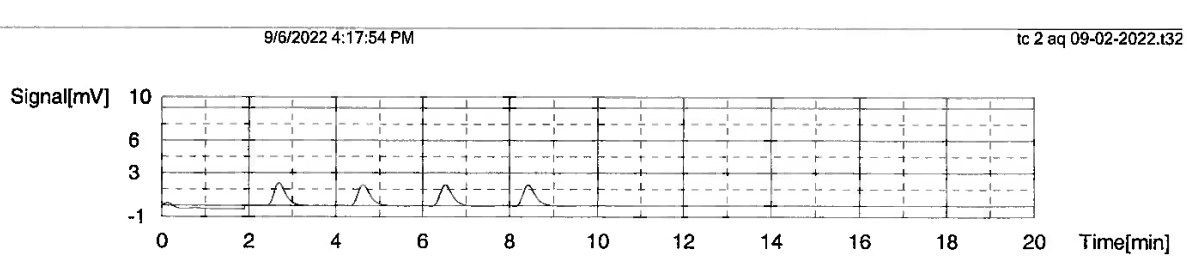
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1146	-0.09523mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 7:56:18 PM
2	3.890	1.009mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 7:58:20 PM
3	3.739	0.9652mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 8:00:23 PM
4	3.750	0.9684mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 8:02:26 PM
5	3.649	0.9389mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 8:04:29 PM

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Mean Area 3.757
Mean Conc. 0.9705mg/L



Sample

Sample Name: FA98468-5F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

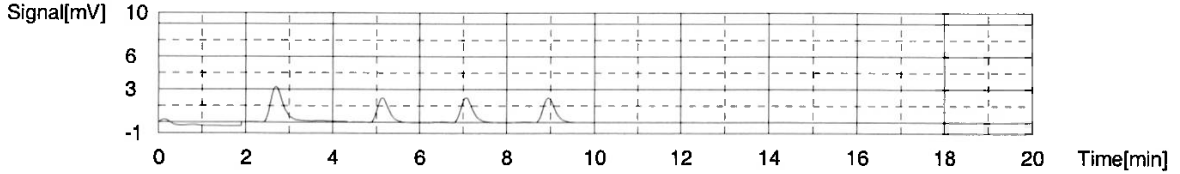
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.297mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.1288mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 8:19:06 PM
2	6.853	1.876mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 8:21:40 PM
3	4.181	1.095mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 8:23:43 PM
4	4.325	1.137mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 8:25:46 PM
5	4.135	1.081mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 8:27:49 PM

Mean Area 4.873
Mean Conc. 1.297mg/L



Sample

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QC Reports:
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Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

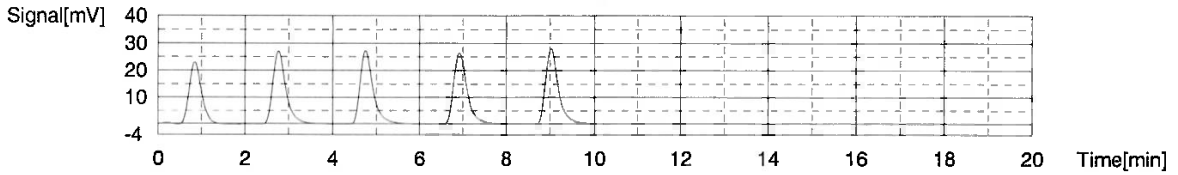
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:16.45mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	45.67	13.23mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 8:42:26 PM
2	56.25	16.33mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 8:44:34 PM
3	57.19	16.60mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 8:46:53 PM
4	56.36	16.36mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 8:49:09 PM
5	56.82	16.50mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 8:51:28 PM

Mean Area 56.66
Mean Conc. 16.45mg/L



Sample

Sample Name: CCB
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.1400mg/L

1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.538	0.6138mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 9:06:05 PM
2	0.7755	0.09814mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 9:08:07 PM
3	0.8334	0.1151mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 9:10:10 PM
4	1.176	0.2153mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 9:12:13 PM
5	0.8898	0.1316mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 9:14:16 PM

Mean Area 0.9187
Mean Conc. 0.1400mg/L

Sample

Sample Name: FA98468-6F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.681mg/L

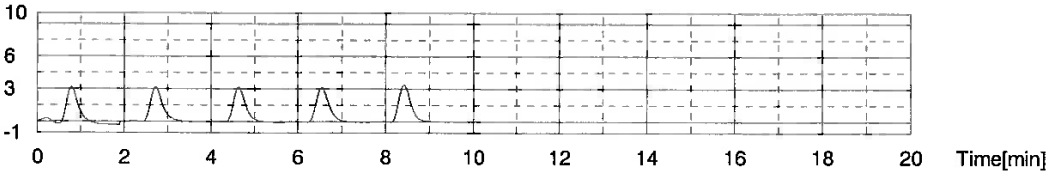
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.805	1.570mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 9:28:53 PM
2	6.179	1.679mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 9:30:56 PM
3	6.037	1.638mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 9:32:58 PM
4	6.238	1.696mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 9:35:01 PM
5	6.293	1.712mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 9:37:04 PM

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Mean Area 6.187
Mean Conc. 1.681mg/L



Sample

Sample Name: FA98468-7F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

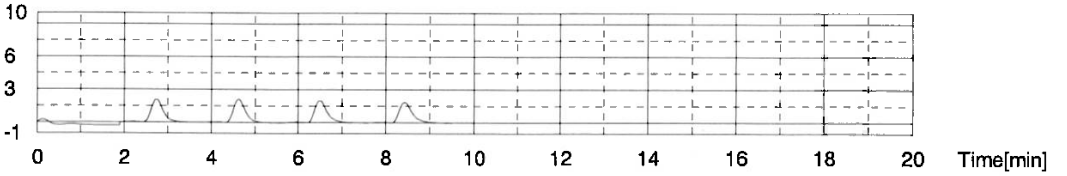
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.9992mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1358	-0.08903mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 9:51:41 PM
2	3.897	1.011mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 9:53:43 PM
3	3.910	1.015mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 9:55:46 PM
4	3.779	0.9769mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 9:57:49 PM
5	3.835	0.9933mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 9:59:52 PM

Mean Area 3.855
Mean Conc. 0.9992mg/L



Sample

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Sample Name: FA98468-8F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

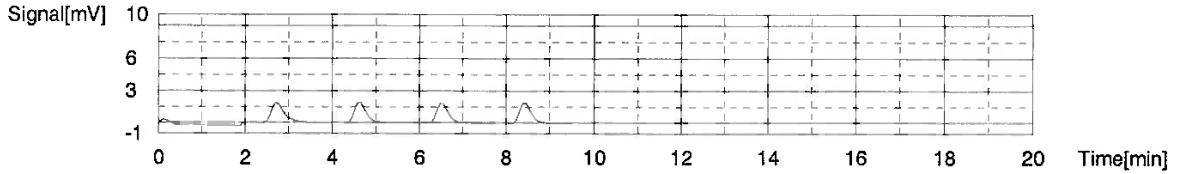
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.9283mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1229	-0.09280mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 10:14:29 PM
2	3.829	0.9916mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 10:16:32 PM
3	3.555	0.9114mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 10:18:34 PM
4	3.497	0.8944mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 10:20:37 PM
5	3.570	0.9158mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 10:22:40 PM

Mean Area 3.613
Mean Conc. 0.9283mg/L



Sample

Sample Name: FA98468-9F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.595mg/L

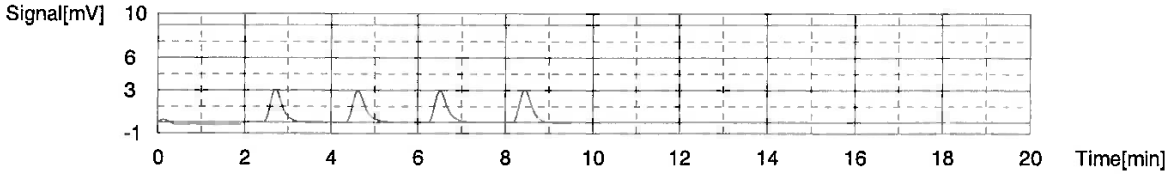
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.1288mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 10:37:17 PM
2	5.882	1.592mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 10:39:20 PM
3	5.948	1.612mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 10:41:22 PM
4	5.702	1.540mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 10:43:25 PM
5	6.032	1.636mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 10:45:28 PM

Mean Area 5.891
Mean Conc. 1.595mg/L



Sample

Sample Name: GP38003-B2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:16.50mg/L

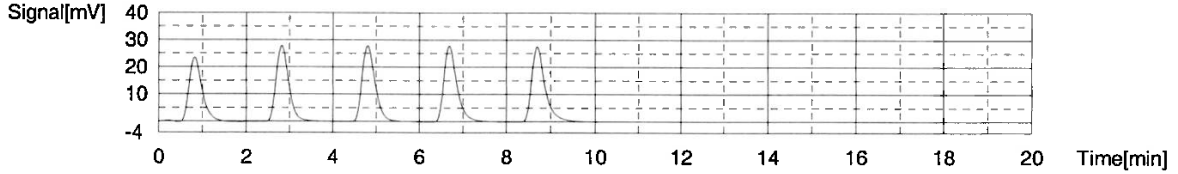
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	48.05	13.86mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 11:00:08 PM
2	56.13	16.21mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 11:02:17 PM
3	57.72	16.67mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 11:04:19 PM
4	56.84	16.42mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 11:06:28 PM
5	57.87	16.72mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 11:08:50 PM

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Mean Area 57.14
Mean Conc. 16.50mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

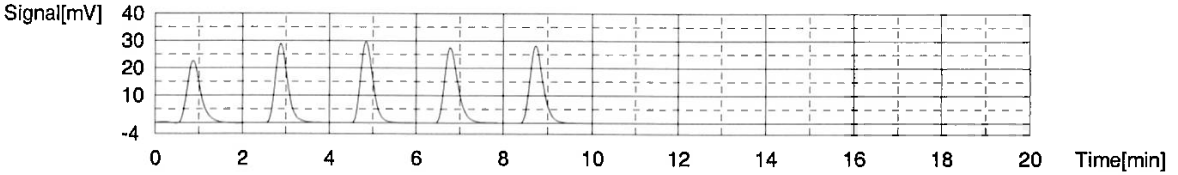
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:16.46mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	48.23	13.83mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 11:23:35 PM
2	56.34	16.18mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 11:25:42 PM
3	57.68	16.56mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 11:27:45 PM
4	57.75	16.58mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 11:29:51 PM
5	57.53	16.52mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 11:31:54 PM

Mean Area 57.33
Mean Conc. 16.46mg/L



Sample

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11.2 11

Sample Name: CCB
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

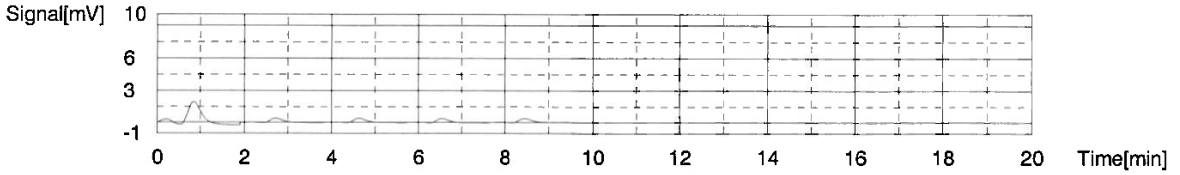
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.09653mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.913	1.016mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 11:46:31 PM
2	0.7881	0.1018mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 11:48:33 PM
3	0.7759	0.09826mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 11:50:36 PM
4	0.7478	0.09004mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 11:52:39 PM
5	0.7682	0.09601mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/2/2022 11:54:42 PM

Mean Area 0.7700
Mean Conc. 0.09653mg/L



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Instr.Information

System	TOC-2
Instrument Options	TOC/ASI/
Catalyst	Regular Sensitivity

Cal. Curve

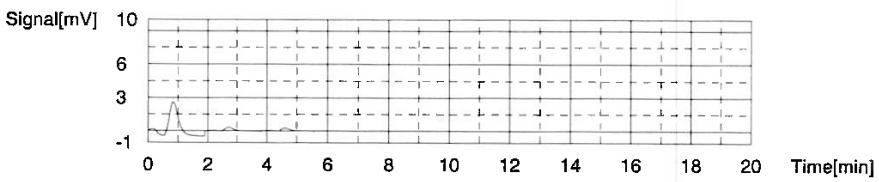
Sample Name:	NPOC METHOD
Sample ID:	Untitled
Cal. Curve:	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal
Status	Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	6.182	50uL	1	*******	E	9/1/2022 4:38:41 PM
2	0.5758	50uL	1	*******		9/1/2022 4:40:44 PM
3	0.4401	50uL	1	*******		9/1/2022 4:42:47 PM

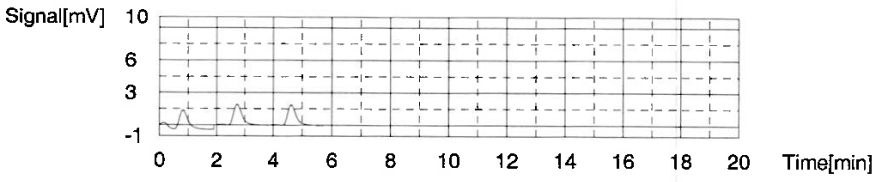
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 0.5080



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	3.594	50uL	1	*******	E	9/1/2022 4:55:48 PM
2	3.827	50uL	1	*******		9/1/2022 4:57:52 PM
3	3.755	50uL	1	*******		9/1/2022 4:59:55 PM

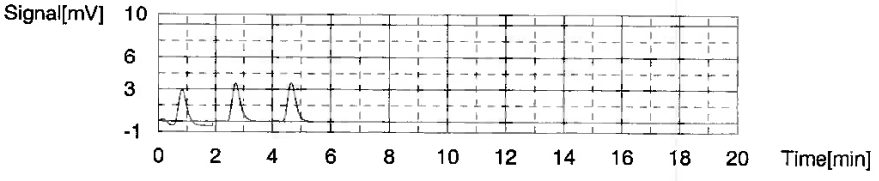
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 3.791



Conc: 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	6.764	50uL	1	*******	E	9/1/2022 5:12:57 PM
2	7.058	50uL	1	*******		9/1/2022 5:15:00 PM
3	7.106	50uL	1	*******		9/1/2022 5:17:03 PM

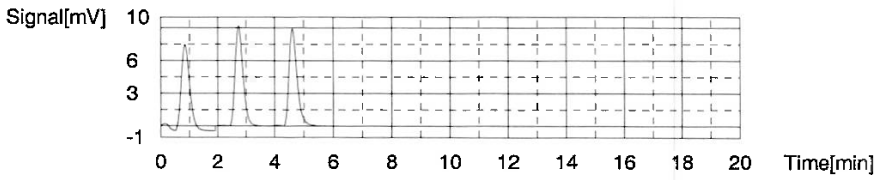
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 7.082



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	15.92	50uL	1	*******	E	9/1/2022 5:30:05 PM
2	17.55	50uL	1	*******		9/1/2022 5:32:08 PM
3	17.08	50uL	1	*******		9/1/2022 5:34:11 PM

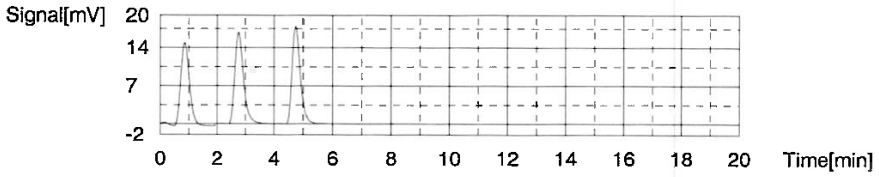
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 17.32



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	32.14	50uL	1	*******	E	9/1/2022 5:47:12 PM
2	35.60	50uL	1	*******		9/1/2022 5:49:23 PM
3	34.91	50uL	1	*******		9/1/2022 5:51:26 PM

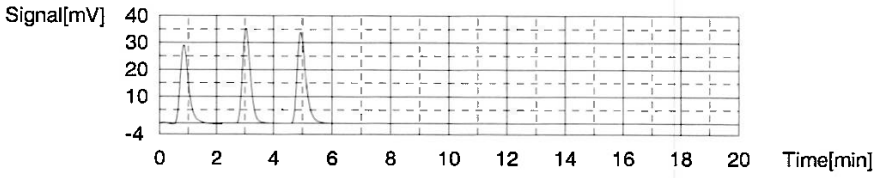
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 35.26



Conc: 20.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	61.64	50uL	1	*******	E	9/1/2022 6:04:46 PM
2	68.59	50uL	1	*******		9/1/2022 6:06:49 PM
3	68.59	50uL	1	*******		9/1/2022 6:09:02 PM

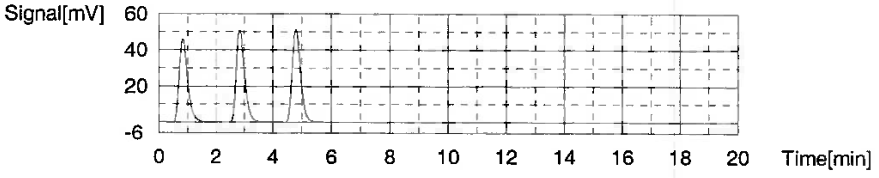
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 68.59



Conc: 30.00mg/L

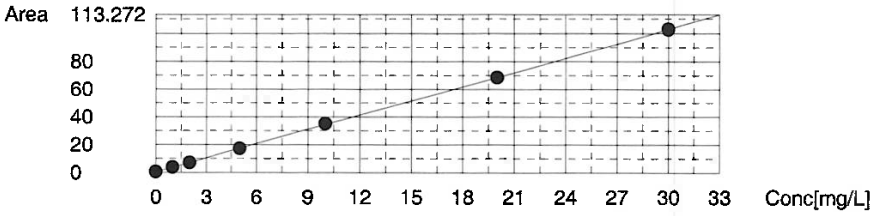
No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	96.88	50uL	1	*******	E	9/1/2022 6:22:11 PM
2	102.9	50uL	1	*******		9/1/2022 6:24:14 PM
3	103.0	50uL	1	*******		9/1/2022 6:26:23 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 103.0



9/6/2022 4:18:13 PM tc 2 - toc 2 aq Cal-Curves 09-01-2022.t32

Slope:	3.418
Intercept	0.4401
r^2	0.9999
r	1.0000
Zero Shift	No



Sample

Sample Name:	ICV
Sample ID:	Untitled
Origin:	NPOC.met
Status	Completed
Chk. Result	

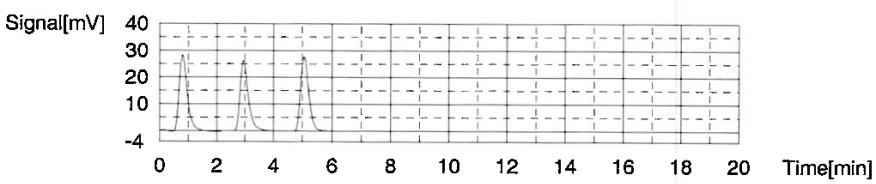
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.19mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	57.13	16.59mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16	9/1/2022 6:39:39 PM
2	52.62	15.27mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16	9/1/2022 6:41:53 PM
3	52.06	15.10mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16	9/1/2022 6:43:55 PM

Mean Area	52.34
Mean Conc.	15.19mg/L



IC STANDARDS PREP LOG

STANDARD NAME	ANALYTES	STOCK MFG. #	STOCK LOT #	STOCK EXP. DATE	STOCK CONC. (mg/l)	VOLUME ADDED (ml)	TOTAL VOLUME (ml)	STANDARD CONC. (mg/l)	PREP DATE	INITIALS	STD LOT #	EXP. DATE
B1	NO_2/NO_3	ICO13973/4	Ref	8-31-22	100	1.25	50	2.5	8-31-22	JR	ICO13976	8-31-22
↓	SO_4	GN33802	↓	9-30-22	1000	2.5	↓	50	↓	↓	↓	↓
	Cl	↓ 3		↓		↓		↓				
	F	WC1893	Iarchem	12-28-23		0.125		2.5				
	PO_4	WC1862	Inorganics	10-6-22		↓		↓				
↓	Br	GN33804	Ref	9-30-22	↓	0.5	↓	10	↓	↓	↓	↓
Std 10	NO_2/NO_3	ICO13971/2	Ref	8-31-22	100	5		10			ICO13977	
↓	SO_4	WC1955	LGC	5-1-23	1000	↓		100			↓	
	Cl	53	fisher	5-1-24		↓		↓				
	F	70	LGC	6-30-23		0.5		10				
	PO_4	29	Spex	4-30-23		↓		↓				
↓	Br	↓ 68	↓	6-30-23	↓	1	↓	20	↓	↓	↓	↓
$1°NO_2$	WC1949	NO_2	Ricca	10-1-22	1000	2.5	25	100	8-31-22	JR	ICO13978	9-1-22
$1°NO_3$	1899	NO_3	Absolute	11-3-24							79	
$2°NO_2$	1975	NO_2	↓	5-18-24							80	
$2°NO_3$	↓ 1976	NO_3		5-12-25	↓	↓	↓	↓	↓	↓	↓ 81	↓
CLN	NO_2/NO_3	ICO13978/9	Ref	9-1-22	100	5	200	2.5			ICO13982	
↓	SO_4	WC1955	LGC	5-1-23	1000	10		50			↓	
	Cl	53	fisher	5-1-24		↓		↓				
	F	70	LGC	6-30-23		0.5		2.5				
↓	Br	↓ 68	Spex	↓	↓	2	↓	10	↓	↓	↓	↓
B1	NO_2/NO_3	ICO13980/1	Ref	9-1-22	100	1.25	50	2.5			ICO13983	
↓	SO_4	GN33802		9-30-22	1000	2.5		50			↓	
	Cl	↓ 3			↓	↓		↓				
	F	ICO13907			100	1.25		2.5				
↓	Br	GN33804			1000	0.5		10				
Std 10	NO_2/NO_3	ICO13978/9	↓	9-1-22	100	5		10			ICO13984	
↓	SO_4	WC1955	LGC	5-1-23	1000	↓		100			↓	
	Cl	53	fisher	5-1-24		↓		↓				
	F	70	LGC	6-30-23		0.5		10				
↓	Br	↓ 68	Spex	↓	↓	1	↓	20	↓	↓	↓	↓
$1°NO_2$	NO_2	WC1949	Ricca	10-1-22	1000	2.5	25	100	9-2-22	JR	ICO13985	9-3-22
$1°NO_3$	NO_3	1899	Absolute	11-3-24							↓ 6	
$2°NO_2$	NO_2	↓ 1975	↓	5-18-24	↓	↓	↓	↓	↓		↓ 7	↓

IC STANDARDS PREP LOG

JR 9/2/22

STANDARD NAME	ANALYTES	STOCK MFG. #	STOCK LOT #	STOCK EXP. DATE	STOCK CONC. (mg/l)	VOLUME ADDED (ml)	TOTAL VOLUME (ml)	STANDARD CONC. (mg/l)	PREP DATE	INITIALS	STD LOT #	EXP. DATE
2°MO3	NO_3	WC1976	Absolute	5-12-25	1000	2.5	25	100	9-2-22	JR	1C013988	9-3-22
CW	NO_2/NO_3	1C013985/6	Ref	9-3-22	100	5	200	2.5			1C013989	
↓	SO_4	WC1955	LGC	5-1-23	1000	10	↓	50			↓	↓
	Cl	↓ 53	fisher	5-1-24	↓	↓		↓				
	F	70	LGC	6-30-23		0.5		2.5				
↓	Br	68	Spex	↓	↓	2	↓	10			↓	
B1	NH_2/NO_3	1C013987/8	Ref	9-3-22	100	1.25	50	2.5			1C013990	
↓	SO_4	GN33802	↓	9-30-22	1000	2.5	↓	50			↓	
	Cl	↓ 3		↓	↓	↓		↓				
	F	1C013907			100	1.25		2.5				
↓	Br	GN33804	↓	↓	1000	0.5	↓	10	↓	↓	↓	↓
2°F	F	WC1893	Lachem	12-28-23	1000	5	50	100	9-3-22	JR	1C013991	10-3-22
St cl 10	NO_2/NO_3	1C013985/6	Ref	9-3-22	100	5		10			1C013992	~~9-4-22~~ 9-3-22
	SO_4	WC1955	LGC	5-1-23	1000			100				JR 9/3/22
	Cl	↓ 53	fisher	5-1-24		↓		↓				
	F	70	LGC	6-30-23		0.5		10				
↓	Br	68	Spex	↓	↓	1		20			↓	
B1	NO_2/NO_3	1C013987/8	Ref	9-3-22	100	1.25		2.5			1C013993	
↓	SO_4	GN33802	↓	9-30-22	1000	2.5		50			↓	
	Cl	↓ 3		↓	↓	↓		↓				
	F	1C013991		10-3-22	100	1.25		2.5				
↓	Br	GN33804	↓	9-30-22	1000	0.5	↓	10	↓	↓	↓	↓

IC Soil Prep

Method: SW846 9056A

Analyst: JR
GP 380114

Date (mm/dd/yy): 9/3/22
Time (24:00): 13:19

	Sample ID	Bottle #	Weight g	Final Vol ml
MB	MB1	-	5.21	50mL
SB	B1	-	5.09	"
MS1	FIA98447-1	4	5.07	"
MSD1	" -1	"	5.07	"
QC1	" -1	"	5.27	"
2	" -2	"	5.20	"
3				
4				
5				
6				
7				
8				
9				
10				
MS2				
MSD2				
QC2				
12				
13				
14				
15				
16				
17				
18				
19				
20				

JR 9/3/22

Balance ID AdvPro1

REAGENTS

Spike Lot # 10013093
Cup Lot # 2204135
SRM Lot # 29273875
Vial Lot # 702550-F 23491
Syringe Lot # ①
Filter Lot # "

Comments:

Analyst's Signature: Jadyn Rios Date: 9/3/22

Reveiwer's Signature: Date:

IC Instrument Log

Method: EPA300.0 / SW846 9056A (circle one)

Date:	9/3/22 @11:20
Analyst:	JR
Instrument:	#4
Inst. File Name:	420330010301.CSV

Prep Batchs:	38012/3/4
Analytical Batch:	GN92241
Calibration Date:	9.3.22
Pump pressure:	8.70MPa

Vial lot#	702550-E 23491
Cap lot#	
Syringe lot#	
Filter lot#	

Standards	
ICAL:	1013992
ICV:	93
CCV:	89
QC:	93

Sample#					Filter (y/n)	Ions Needed						Results OK or Dilution Needed						Comments
Rinse	Bot#	Matrix	Scon	DF		F	Cl	NO2	Br	NO3	SO4	(1)F	Cl	NO2	Br	NO3	SO4	(1)Ok unless marked
Std A	N/A	AQ	N/A	1	N													calibration
B																		
C																		
D																		
E																		
F																		
G																		
H																		
I																		
J																		
K																		
ICV																		
ICB																		
CCV1																		
CCV																		
CCB																		
CCV						—					—							
CCB						—					—							
MB1						—					—							
B1	↓		↓			—					—	FA						
FA98362-10	13		540µl															
↓ 438-16	18		231µl	↓														
FA98438-1	1		MMS	100														
438-151						—					—							
438-152						—					—							
↓ 438-2	↓		BMS	↓														
FA98609-1	6		100µl	10		—					—	BL						
↓ 2	↓	↓	1095µl	↓	→							↓						

JR 9/3/22

IC Instrument Log

Method: EPA300.0 / SW846 9056A (circle one)

Date: 9/3/22 (cont.)	
Analyst:	
Instrument:	
Inst. File Name:	

Prep Batchs:	
Analytical Batch:	
Calibration Date:	
Pump pressure:	

Vial lot#	
Cap lot#	
Syringe lot#	
Filter lot#	

Standards	
ICAL:	
ICV:	
CCV:	
QC:	

Sample#	Bot#	Matrix	Scon	DF	Filter (y/n)	Ions Needed						Results OK or Dilution Needed						Comments
						F	Cl	NO2	Br	NO3	SO4	F	Cl	NO2	Br	NO3	SO4	
CW	-	AQ	-	1	N													
CWB	-	"	-	"	"													
FIA986009-3	10	"	580µS	10	"							DR						
-4	"	"	1810µS	25	"							"						
-5	"	"	2.3mS	50	"							"						
-6	"	"	515µS	5	"							"						
-7	"	"	401µS	"	"							"						
-8	"	"	1030µS	25	"							"						
-9	"	"	1413µS	"	"							"						
FIA984668-1	10	"	725µS	5	"													*gk 9/3/22
-103	"	"	"	"	"													
-104	"	"	"	"	"													
CW	-	"	-	1	"													
CWB	-	"	-	"	"													
FIA984668-2	10	"	422µS	"	"													
-3	"	"	1060µS	10	"													
-4	"	"	721µS	5	"													
-5	"	"	391µS	1	"													
-6	"	"	780µS	"	"													
-7	"	"	854µS	"	"													
MB1	-	"	-	1	"													
B1	-	"	-	"	"													
FIA984668-8	10	"	873µS	5	"													
-851	"	"	"	"	"													
CW	-	"	-	1	"													
CWB	-	"	-	"	"													
FIA984668-852	10	"	973µS	5	"													
-9	"	"	576µS	1	"													

IC Instrument Log

Method: EPA300.0 / SW846 9056A (circle one)

Date:	9/3/22 (10mA.)
Analyst:	
Instrument:	
Inst. File Name:	

Prep Batchs:	
Analytical Batch:	
Calibration Date:	
Pump pressure:	

Vial lot#	
Cap lot#	
Syringe lot#	
Filter lot#	

Standards	
ICAL:	
ICV:	
CCV:	
QC:	

Sample#	Bot#	Matrix	Scon	DF	Filter (y/n)	Ions Needed						Results OK or Dilution Needed						Comments
						F	Cl	NO2	Br	NO3	SO4	F	Cl	NO2	Br	NO3	SO4	
FA98485-1	6	AQ	485	1	N													
-2	5																	
-3	8		436															
-4	5		331															
-5	8		475															
-6			260															
-7			363															
-8			280															
CW	-		-															
CW3	-		-															
FA98485-9	8		252															
FA98517-1	10		800	5														
-2			654															
-3			685															
-4	87		701															
-453																		
-454																		
-5	10		767															
-7			744															
FA98522-1	8		285	1														
CW	-		-															
CW3	-		-															
FA98522-2	5		320															
-3	8		340															
MBIF	-	50	N/A															
BIF	-																	
FA98447-1	4			5														
-151																		

Rev 0116 LM

SGS Accutest - Orlando

IC Instrument Log

Method: EPA300.0 / SW846 9056A (circle one)

Date:	9/3/22 (cont.)
Analyst:	
Instrument:	
Inst. File Name:	

Prep Batchs:	
Analytical Batch:	
Calibration Date:	
Pump pressure:	

Vial lot#	
Cap lot#	
Syringe lot#	
Filter lot#	

Standards	
ICAL:	
ICV:	
CCV:	
QC:	

Sample#	Bot#	Matrix	Scon	DF	Filter (y/n)	Ions Needed F	Cl	NO2	Br	NO3	SO4	Results OK or Dilution Needed F	Cl	NO2	Br	NO3	SO4	Comments
FA98447-152	4	SO	-	5	N													
↓ -2	↓	↓	-	↓														
ICV	-	AQ	-	1	↓	—				—								
CCB	-	↓	-	↓	↓	—				—								

JK 9/7/22

MagIC Net

2022-09-07 9:40:01

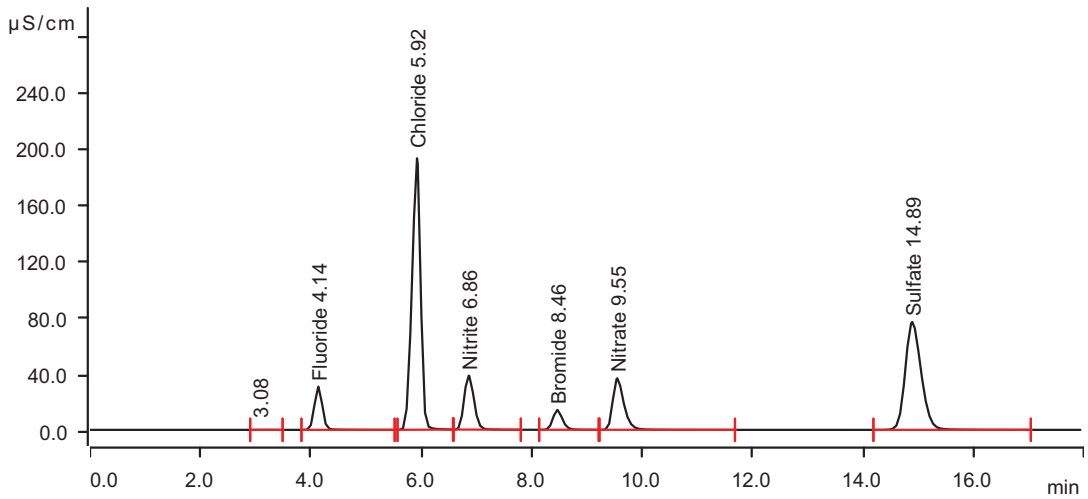
Sample data

Ident	STDK
Sample type	Standard 10
Determination start	2022-09-03 15:39:49 UTC-4
Method	SGS In-Vial Anions191003A
Operator	JR

Anions

Data source	Conductivity detector 1 (930 Compact IC Flex 1)	
Channel	Conductivity	
Recording time	18.0	min
Integration	Automatically	
Column type	Metrosep A Supp 5 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	8.55	MPa
Maximum pressure monitored	yes	
Temperature	30.0	°C

Anions



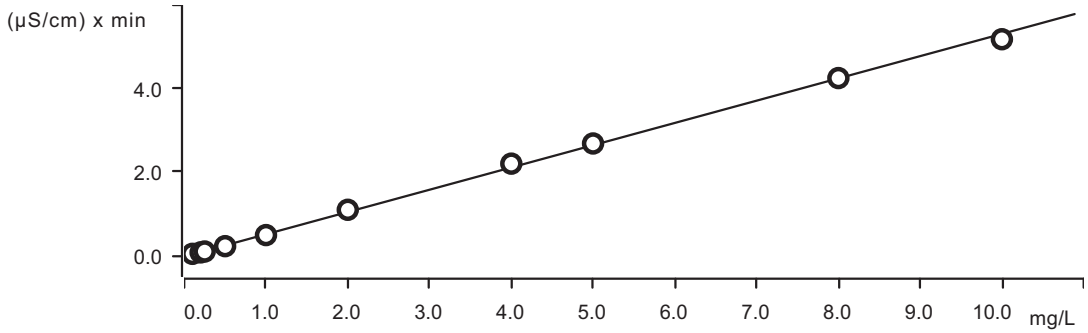
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration mg/L	Component name
1	3.080	0.0008	0.003	invalid	
2	4.137	5.1813	30.641	9.759	Fluoride
3	5.922	34.7756	192.403	99.413	Chloride
4	6.858	7.9326	38.259	9.776	Nitrite
5	8.462	2.8658	14.074	20.409	Bromide
6	9.548	8.5415	36.520	10.084	Nitrate
7	14.888	25.5635	76.474	100.429	Sulfate

Metrohm

MagIC Net

2022-09-07 9:40:01

Fluoride (Anions)



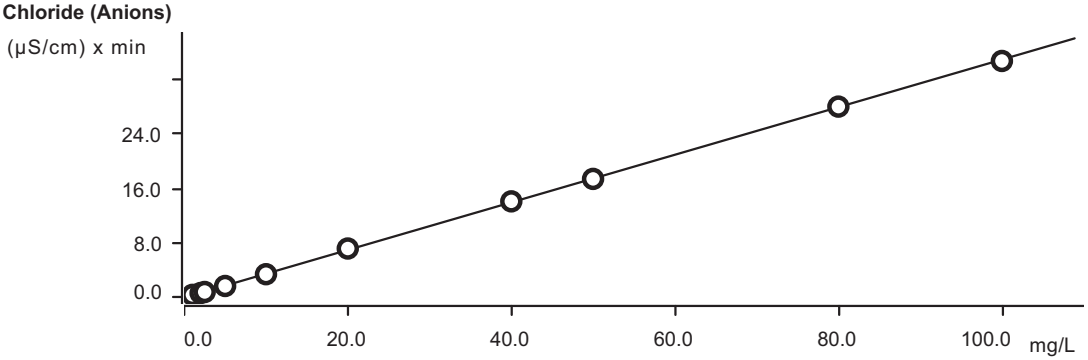
Function: . . . . . *A = - 0.0229865 + 0.0266628× Q*

Relative standard deviation . . . . . *3.774190 %*

Correlation coefficient *0.999521*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-09-03 11:41:23 UTC-4
Standard 1	1	0.100	20.0	1.0	1.0	0.0416	STDB	2022-09-03 12:27:52 UTC-4
Standard 2	1	0.200	20.0	1.0	1.0	0.0761	STDC	2022-09-03 12:48:54 UTC-4
Standard 3	1	0.250	20.0	1.0	1.0	0.0976	STDD	2022-09-03 13:09:55 UTC-4
Standard 4	1	0.500	20.0	1.0	1.0	0.2250	STDE	2022-09-03 13:33:31 UTC-4
Standard 5	1	1.000	20.0	1.0	1.0	0.4908	STDF	2022-09-03 13:54:43 UTC-4
Standard 6	1	2.000	20.0	1.0	1.0	1.0967	STDG	2022-09-03 14:15:43 UTC-4
Standard 7	1	4.000	20.0	1.0	1.0	2.2013	STDH	2022-09-03 14:36:44 UTC-4
Standard 8	1	5.000	20.0	1.0	1.0	2.6846	STDI	2022-09-03 14:57:46 UTC-4
Standard 9	1	8.000	20.0	1.0	1.0	4.2507	STDJ	2022-09-03 15:18:48 UTC-4
Standard 10	1	10.000	20.0	1.0	1.0	5.1813	STDK	2022-09-03 15:39:49 UTC-4

Chloride (Anions)



MagIC Net

2022-09-07 9:40:01

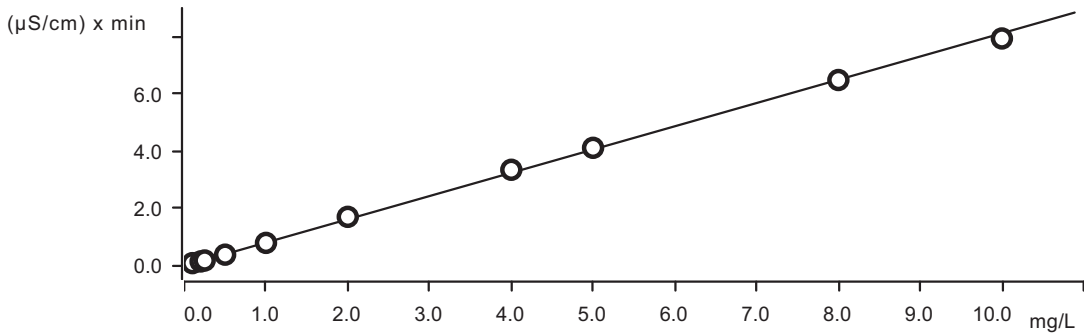
Function: . . . . . *A = - 0.0947322 + 0.0175381× Q*

Relative standard deviation . . . . . *1.183589 %*

Correlation coefficient *0.999953*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-09-03 11:41:23 UTC-4
Standard 1	1	1.000	20.0	1.0	1.0	0.3016	STDB	2022-09-03 12:27:52 UTC-4
Standard 2	1	2.000	20.0	1.0	1.0	0.5725	STDC	2022-09-03 12:48:54 UTC-4
Standard 3	1	2.500	20.0	1.0	1.0	0.7273	STDD	2022-09-03 13:09:55 UTC-4
Standard 4	1	5.000	20.0	1.0	1.0	1.6105	STDE	2022-09-03 13:33:31 UTC-4
Standard 5	1	10.000	20.0	1.0	1.0	3.3471	STDF	2022-09-03 13:54:43 UTC-4
Standard 6	1	20.000	20.0	1.0	1.0	7.1311	STDG	2022-09-03 14:15:43 UTC-4
Standard 7	1	40.000	20.0	1.0	1.0	14.0835	STDH	2022-09-03 14:36:44 UTC-4
Standard 8	1	50.000	20.0	1.0	1.0	17.3925	STDI	2022-09-03 14:57:46 UTC-4
Standard 9	1	80.000	20.0	1.0	1.0	28.0475	STDJ	2022-09-03 15:18:48 UTC-4
Standard 10	1	100.000	20.0	1.0	1.0	34.7756	STDK	2022-09-03 15:39:49 UTC-4

Nitrite (Anions)



Function: . . . . . *A = - 0.0256586 + 0.0407017× Q*

Relative standard deviation . . . . . *3.353746 %*

Correlation coefficient *0.999618*

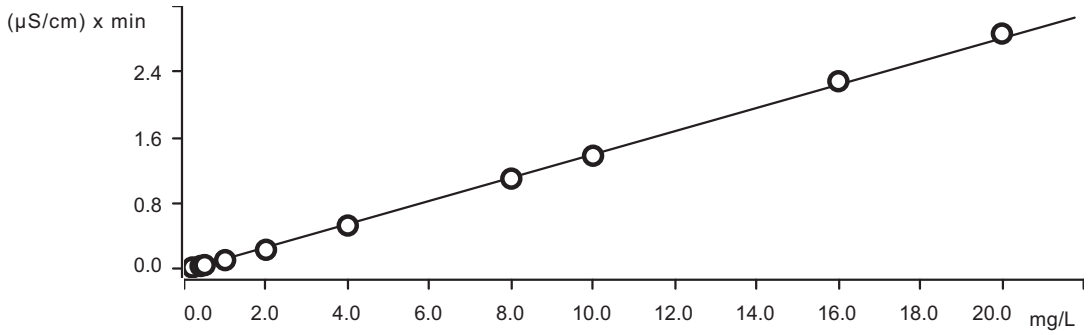
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-09-03 11:41:23 UTC-4
Standard 1	1	0.100	20.0	1.0	1.0	0.0674	STDB	2022-09-03 12:27:52 UTC-4
Standard 2	1	0.200	20.0	1.0	1.0	0.1266	STDC	2022-09-03 12:48:54 UTC-4
Standard 3	1	0.250	20.0	1.0	1.0	0.1614	STDD	2022-09-03 13:09:55 UTC-4
Standard 4	1	0.500	20.0	1.0	1.0	0.3642	STDE	2022-09-03 13:33:31 UTC-4
Standard 5	1	1.000	20.0	1.0	1.0	0.7774	STDF	2022-09-03 13:54:43 UTC-4

MagIC Net

2022-09-07 9:40:01

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 6	1	2.000	20.0	1.0	1.0	1.6890	STDG	2022-09-03 14:15:43 UTC-4
Standard 7	1	4.000	20.0	1.0	1.0	3.3357	STDH	2022-09-03 14:36:44 UTC-4
Standard 8	1	5.000	20.0	1.0	1.0	4.1051	STDI	2022-09-03 14:57:46 UTC-4
Standard 9	1	8.000	20.0	1.0	1.0	6.4781	STDJ	2022-09-03 15:18:48 UTC-4
Standard 10	1	10.000	20.0	1.0	1.0	7.9326	STDK	2022-09-03 15:39:49 UTC-4

Bromide (Anions)



Function: . . . . . *A = - 0.0150980 + 7.05777E-3× Q*

Relative standard deviation . . . . . *3.460842 %*

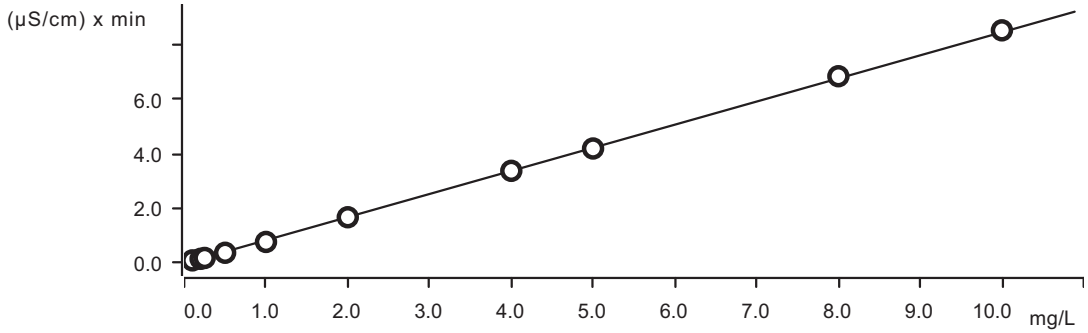
Correlation coefficient *0.999623*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-09-03 11:41:23 UTC-4
Standard 1	1	0.200	20.0	1.0	1.0	0.0218	STDB	2022-09-03 12:27:52 UTC-4
Standard 2	1	0.400	20.0	1.0	1.0	0.0402	STDC	2022-09-03 12:48:54 UTC-4
Standard 3	1	0.500	20.0	1.0	1.0	0.0509	STDD	2022-09-03 13:09:55 UTC-4
Standard 4	1	1.000	20.0	1.0	1.0	0.1112	STDE	2022-09-03 13:33:31 UTC-4
Standard 5	1	2.000	20.0	1.0	1.0	0.2370	STDF	2022-09-03 13:54:43 UTC-4
Standard 6	1	4.000	20.0	1.0	1.0	0.5317	STDG	2022-09-03 14:15:43 UTC-4
Standard 7	1	8.000	20.0	1.0	1.0	1.1022	STDH	2022-09-03 14:36:44 UTC-4
Standard 8	1	10.000	20.0	1.0	1.0	1.3805	STDI	2022-09-03 14:57:46 UTC-4
Standard 9	1	16.000	20.0	1.0	1.0	2.2863	STDJ	2022-09-03 15:18:48 UTC-4
Standard 10	1	20.000	20.0	1.0	1.0	2.8658	STDK	2022-09-03 15:39:49 UTC-4

MagIC Net

2022-09-07 9:40:01

Nitrate (Anions)



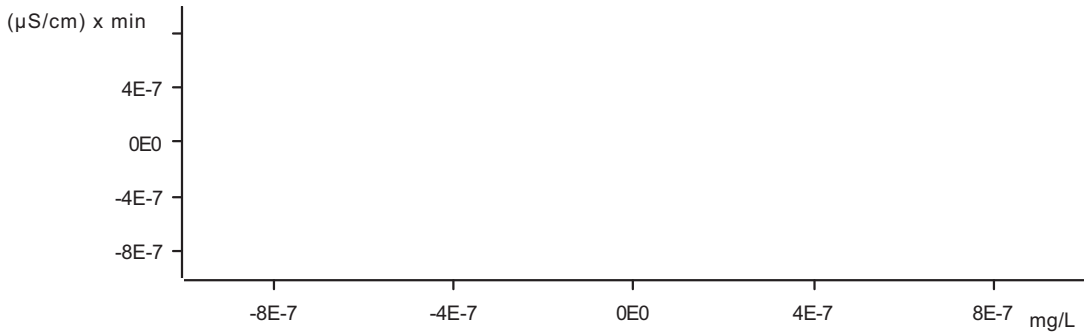
Function: . . . . . *A = - 0.0422025 + 0.0425624× Q*

Relative standard deviation . . . . . *1.867067 %*

Correlation coefficient *0.999888*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-09-03 11:41:23 UTC-4
Standard 1	1	0.100	20.0	1.0	1.0	0.0650	STDB	2022-09-03 12:27:52 UTC-4
Standard 2	1	0.200	20.0	1.0	1.0	0.1220	STDC	2022-09-03 12:48:54 UTC-4
Standard 3	1	0.250	20.0	1.0	1.0	0.1542	STDD	2022-09-03 13:09:55 UTC-4
Standard 4	1	0.500	20.0	1.0	1.0	0.3458	STDE	2022-09-03 13:33:31 UTC-4
Standard 5	1	1.000	20.0	1.0	1.0	0.7451	STDF	2022-09-03 13:54:43 UTC-4
Standard 6	1	2.000	20.0	1.0	1.0	1.6542	STDG	2022-09-03 14:15:43 UTC-4
Standard 7	1	4.000	20.0	1.0	1.0	3.3644	STDH	2022-09-03 14:36:44 UTC-4
Standard 8	1	5.000	20.0	1.0	1.0	4.1878	STDI	2022-09-03 14:57:46 UTC-4
Standard 9	1	8.000	20.0	1.0	1.0	6.8502	STDJ	2022-09-03 15:18:48 UTC-4
Standard 10	1	10.000	20.0	1.0	1.0	8.5415	STDK	2022-09-03 15:39:49 UTC-4

Phosphate (Anions)



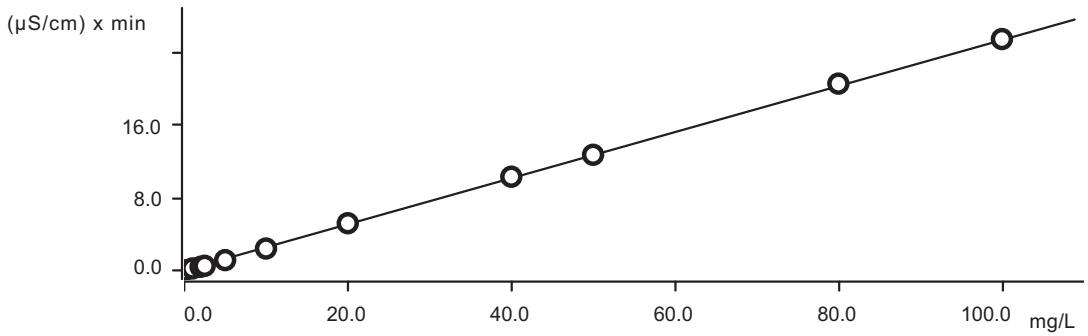
MagIC Net

2022-09-07 9:40:01

Function: . . . . . .
Relative standard deviation . . . . . *invalid %*
Correlation coefficient . . . . . *invalid*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-09-03 11:41:23 UTC-4
Standard 1	1	0.100	20.0	1.0	1.0	n. d.	STDB	2022-09-03 12:27:52 UTC-4
Standard 2	1	0.200	20.0	1.0	1.0	n. d.	STDC	2022-09-03 12:48:54 UTC-4
Standard 3	1	0.250	20.0	1.0	1.0	n. d.	STDD	2022-09-03 13:09:55 UTC-4
Standard 4	1	0.500	20.0	1.0	1.0	n. d.	STDE	2022-09-03 13:33:31 UTC-4
Standard 5	1	1.000	20.0	1.0	1.0	n. d.	STDF	2022-09-03 13:54:43 UTC-4
Standard 6	1	2.000	20.0	1.0	1.0	n. d.	STDG	2022-09-03 14:15:43 UTC-4
Standard 7	1	4.000	20.0	1.0	1.0	n. d.	STDH	2022-09-03 14:36:44 UTC-4
Standard 8	1	5.000	20.0	1.0	1.0	n. d.	STDI	2022-09-03 14:57:46 UTC-4
Standard 9	1	8.000	20.0	1.0	1.0	n. d.	STDJ	2022-09-03 15:18:48 UTC-4
Standard 10	1	10.000	20.0	1.0	1.0	n. d.	STDK	2022-09-03 15:39:49 UTC-4

Sulfate (Anions)



Function: . . . . . *A = 8.40703E-5 + 0.0127271× Q*
Relative standard deviation . . . . . *2.098930 %*
Correlation coefficient *0.999874*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	0.0014	STDA	2022-09-03 11:41:23 UTC-4
Standard 1	1	1.000	20.0	1.0	1.0	0.2078	STDB	2022-09-03 12:27:52 UTC-4
Standard 2	1	2.000	20.0	1.0	1.0	0.3893	STDC	2022-09-03 12:48:54 UTC-4
Standard 3	1	2.500	20.0	1.0	1.0	0.4968	STDD	2022-09-03 13:09:55 UTC-4
Standard 4	1	5.000	20.0	1.0	1.0	1.1283	STDE	2022-09-03 13:33:31 UTC-4
Standard 5	1	10.000	20.0	1.0	1.0	2.4089	STDF	2022-09-03 13:54:43 UTC-4

MagIC Net

2022-09-07 9:40:01

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 6	1	20.000	20.0	1.0	1.0	5.2057	STDG	2022-09-03 14:15:43 UTC-4
Standard 7	1	40.000	20.0	1.0	1.0	10.3468	STDH	2022-09-03 14:36:44 UTC-4
Standard 8	1	50.000	20.0	1.0	1.0	12.7733	STDI	2022-09-03 14:57:46 UTC-4
Standard 9	1	80.000	20.0	1.0	1.0	20.6378	STDJ	2022-09-03 15:18:48 UTC-4
Standard 10	1	100.000	20.0	1.0	1.0	25.5635	STDK	2022-09-03 15:39:49 UTC-4

MagIC Net

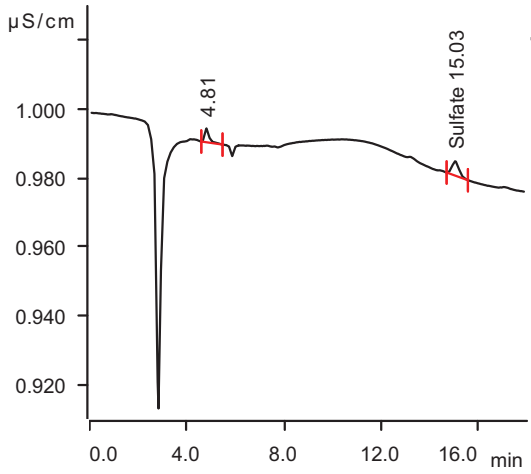
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDA
Sample type . . . . . Standard 100
Determination start 2022-09-03 11:41:23
Dilution factor 1.00

Anions

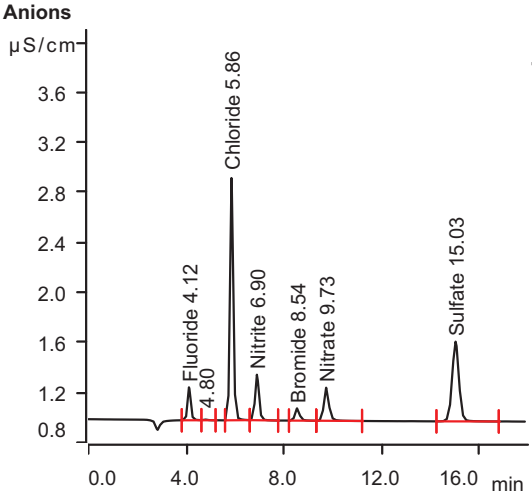


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
15.03	Sulfate	0.0014	0.005	0.005

Sample data

Ident . . . . . STDB
Sample type . . . . . Standard 1
Determination start 2022-09-03 12:27:52
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0416	0.121	0.121
5.86	Chloride	0.3016	1.130	1.130
6.90	Nitrite	0.0674	0.114	0.114
8.54	Bromide	0.0218	0.262	0.262
9.73	Nitrate	0.0650	0.126	0.126
15.03	Sulfate	0.2078	0.816	0.816

MagIC Net

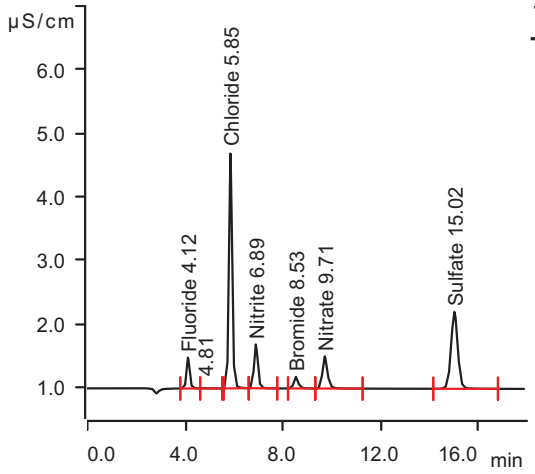
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDC
Sample type . . . . . Standard 2
Determination start 2022-09-03 12:48:54
Dilution factor 1.00

Anions

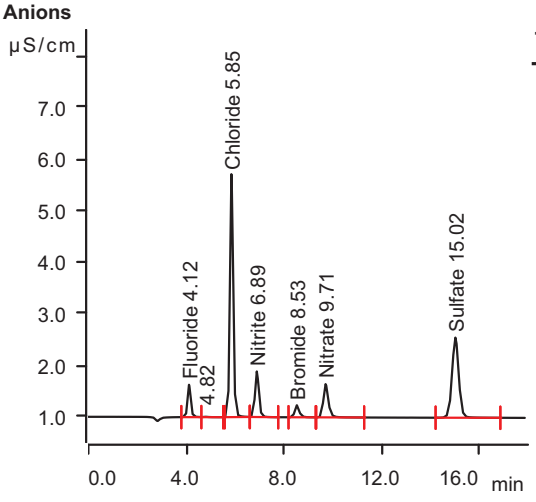


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0761	0.186	0.186
5.85	Chloride	0.5725	1.902	1.902
6.89	Nitrite	0.1266	0.187	0.187
8.53	Bromide	0.0402	0.392	0.392
9.71	Nitrate	0.1220	0.193	0.193
15.02	Sulfate	0.3893	1.529	1.529

Sample data

Ident . . . . . STDD
Sample type . . . . . Standard 3
Determination start 2022-09-03 13:09:55
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0976	0.226	0.226
5.85	Chloride	0.7273	2.344	2.344
6.89	Nitrite	0.1614	0.230	0.230
8.53	Bromide	0.0509	0.467	0.467
9.71	Nitrate	0.1542	0.231	0.231
15.02	Sulfate	0.4968	1.952	1.952

MagIC Net

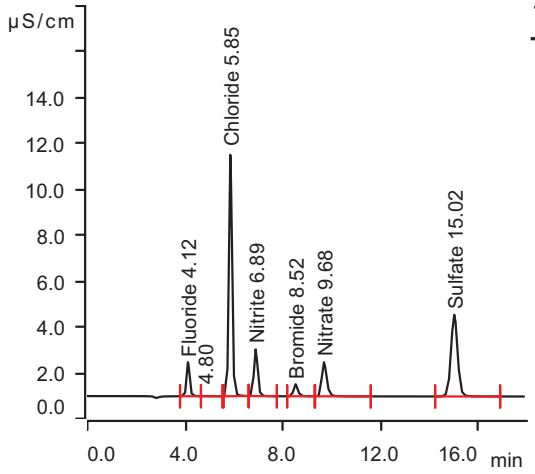
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDE
Sample type . . . . . Standard 4
Determination start 2022-09-03 13:33:31
Dilution factor 1.00

Anions

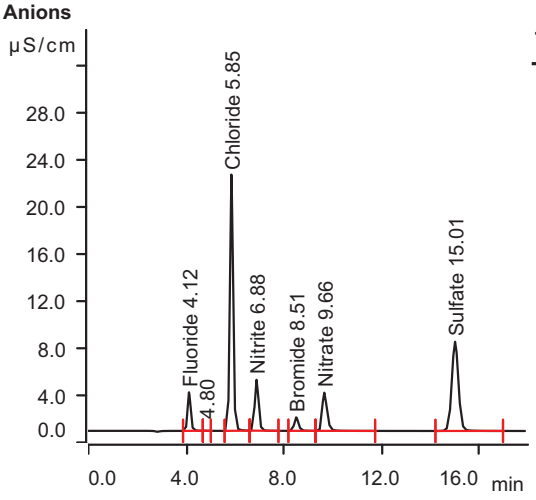


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.2250	0.465	0.465
5.85	Chloride	1.6105	4.862	4.862
6.89	Nitrite	0.3642	0.479	0.479
8.52	Bromide	0.1112	0.894	0.894
9.68	Nitrate	0.3458	0.456	0.456
15.02	Sulfate	1.1283	4.432	4.432

Sample data

Ident . . . . . STDF
Sample type . . . . . Standard 5
Determination start 2022-09-03 13:54:43
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.4908	0.964	0.964
5.85	Chloride	3.3471	9.813	9.813
6.88	Nitrite	0.7774	0.987	0.987
8.51	Bromide	0.2370	1.786	1.786
9.66	Nitrate	0.7451	0.925	0.925
15.01	Sulfate	2.4089	9.463	9.463

MagIC Net

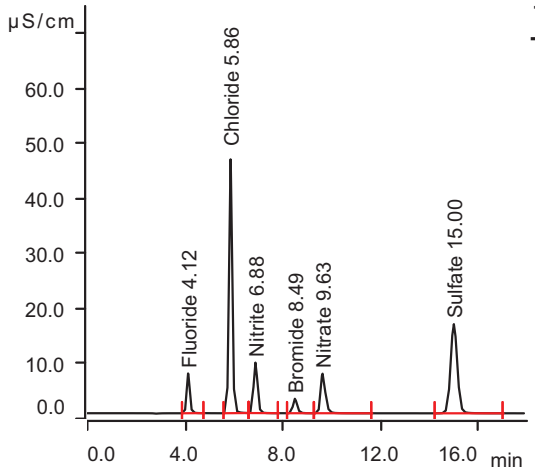
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDG
Sample type . . . . . Standard 6
Determination start 2022-09-03 14:15:43
Dilution factor 1.00

Anions

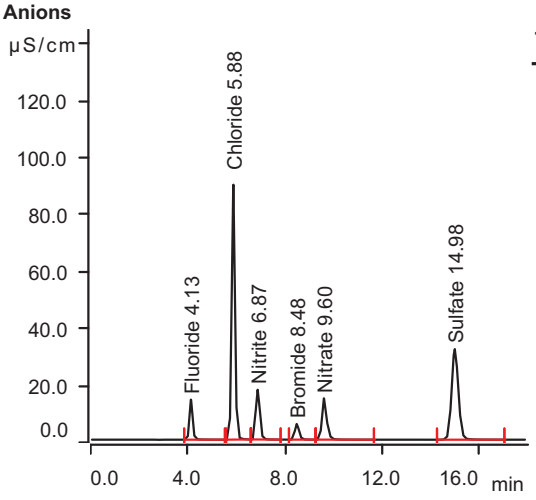


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	1.0967	2.100	2.100
5.86	Chloride	7.1311	20.600	20.600
6.88	Nitrite	1.6890	2.106	2.106
8.49	Bromide	0.5317	3.873	3.873
9.63	Nitrate	1.6542	1.993	1.993
15.00	Sulfate	5.2057	20.451	20.451

Sample data

Ident . . . . . STDH
Sample type . . . . . Standard 7
Determination start 2022-09-03 14:36:44
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	2.2013	4.171	4.171
5.88	Chloride	14.0835	40.421	40.421
6.87	Nitrite	3.3357	4.129	4.129
8.48	Bromide	1.1022	7.915	7.915
9.60	Nitrate	3.3644	4.002	4.002
14.98	Sulfate	10.3468	40.648	40.648

MagIC Net

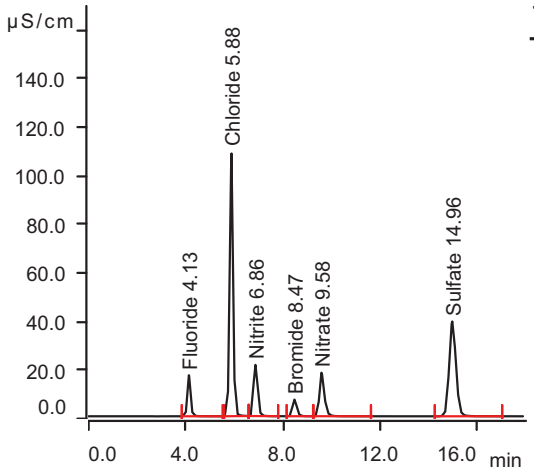
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDI
Sample type . . . . . Standard 8
Determination start 2022-09-03 14:57:46
Dilution factor 1.00

Anions

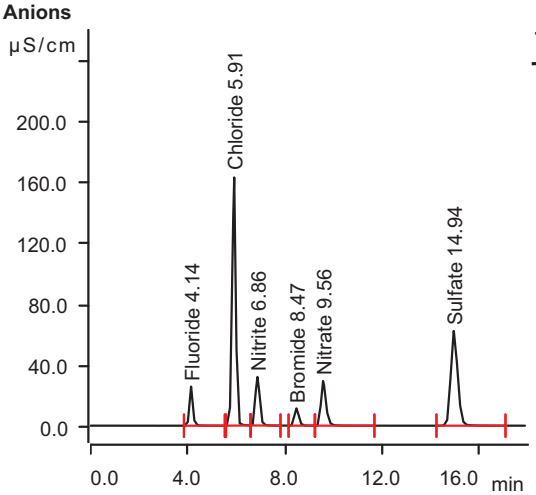


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	2.6846	5.077	5.077
5.88	Chloride	17.3925	49.855	49.855
6.86	Nitrite	4.1051	5.074	5.074
8.47	Bromide	1.3805	9.887	9.887
9.58	Nitrate	4.1878	4.969	4.969
14.96	Sulfate	12.7733	50.181	50.181

Sample data

Ident . . . . . STDJ
Sample type . . . . . Standard 9
Determination start 2022-09-03 15:18:48
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.14	Fluoride	4.2507	8.014	8.014
5.91	Chloride	28.0475	80.232	80.232
6.86	Nitrite	6.4781	7.990	7.990
8.47	Bromide	2.2863	16.304	16.304
9.56	Nitrate	6.8502	8.097	8.097
14.94	Sulfate	20.6378	81.078	81.078

MagIC Net

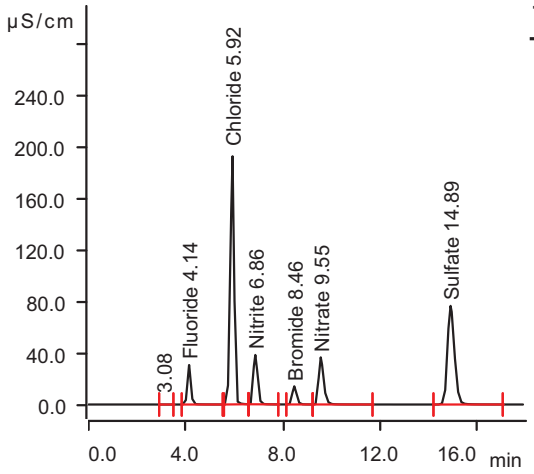
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDK
Sample type . . . . . Standard 10
Determination start 2022-09-03 15:39:49
Dilution factor 1.00

Anions

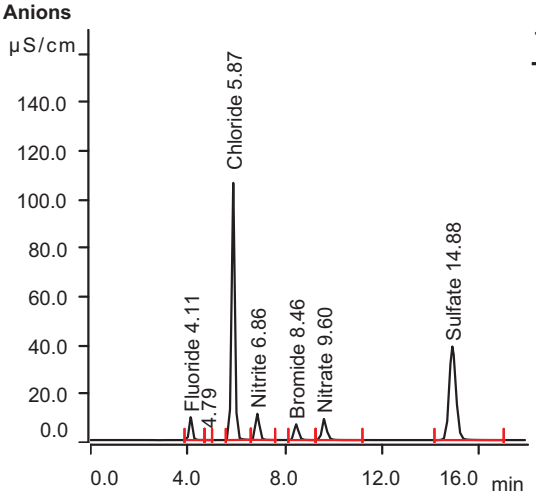


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.14	Fluoride	5.1813	9.759	9.759
5.92	Chloride	34.7756	99.413	99.413
6.86	Nitrite	7.9326	9.776	9.776
8.46	Bromide	2.8658	20.409	20.409
9.55	Nitrate	8.5415	10.084	10.084
14.89	Sulfate	25.5635	100.429	100.429

Sample data

Ident ICV
Sample type . . . . . Sample
Determination start 2022-09-03 16:08:33
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.4334	2.731	2.731
5.87	Chloride	16.9025	48.458	48.458
6.86	Nitrite	1.9731	2.455	2.455
8.46	Bromide	1.3044	9.348	9.348
9.60	Nitrate	2.0028	2.402	2.402
14.88	Sulfate	12.5268	49.213	49.213

MagIC Net

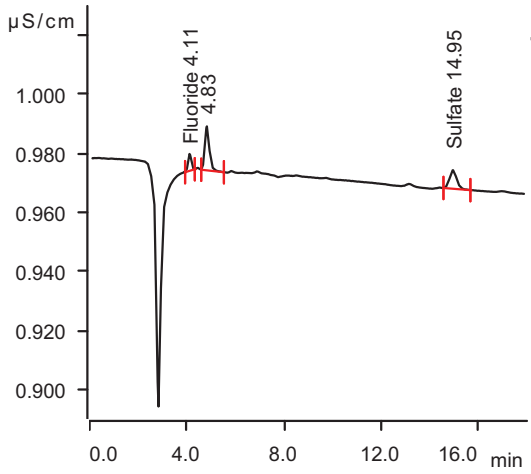
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident . . . . . ICB
Sample type . . . . . Sample
Determination start 2022-09-03 16:29:36
Dilution factor 1.00

Anions

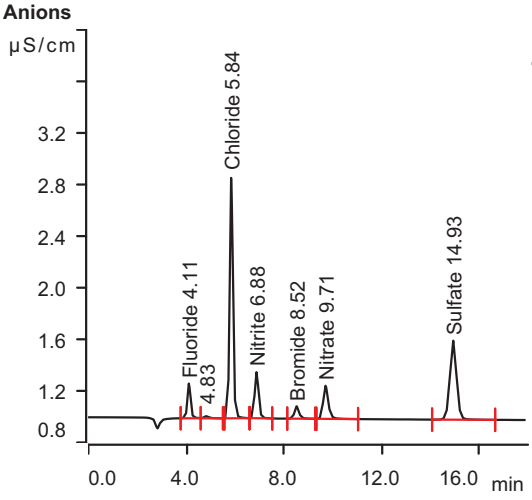


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0009	0.045	0.045
14.95	Sulfate	0.0021	0.008	0.008

Sample data

Ident . . . . . CRI
Sample type . . . . . Sample
Determination start 2022-09-03 16:50:36
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0423	0.122	0.122
5.84	Chloride	0.2890	1.094	1.094
6.88	Nitrite	0.0657	0.112	0.112
8.52	Bromide	0.0213	0.258	0.258
9.71	Nitrate	0.0628	0.123	0.123
14.93	Sulfate	0.1982	0.778	0.778

MagIC Net

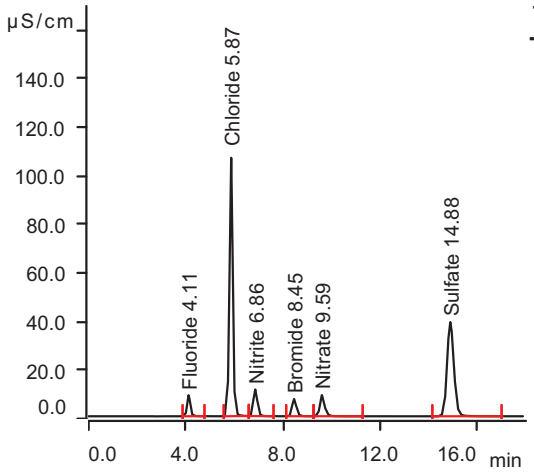
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-03 17:11:37
Dilution factor 1.00

Anions

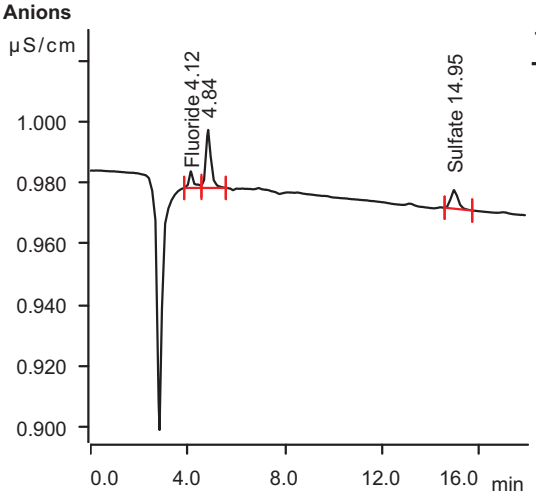


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.3498	2.574	2.574
5.87	Chloride	17.0129	48.773	48.773
6.86	Nitrite	2.0261	2.520	2.520
8.45	Bromide	1.4274	10.219	10.219
9.59	Nitrate	2.0001	2.399	2.399
14.88	Sulfate	12.6585	49.730	49.730

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-03 17:32:45
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0012	0.045	0.045
14.95	Sulfate	0.0021	0.008	0.008

MagIC Net

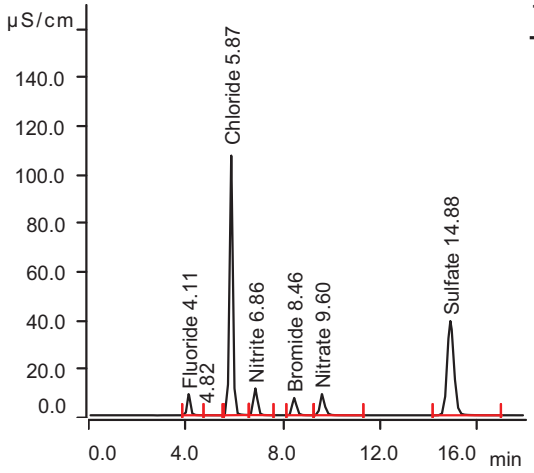
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-03 17:53:46
Dilution factor 1.00

Anions

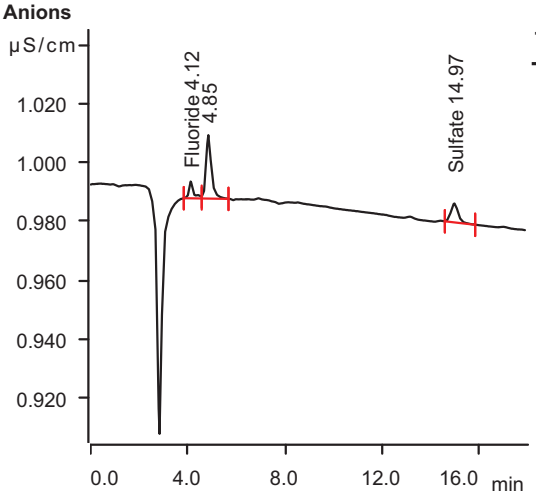


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.3637	2.600	2.600
5.87	Chloride	17.0116	48.769	48.769
6.86	Nitrite	2.0254	2.520	2.520
8.46	Bromide	1.4273	10.218	10.218
9.60	Nitrate	1.9995	2.398	2.398
14.88	Sulfate	12.6488	49.692	49.692

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-03 18:14:51
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0013	0.045	0.045
14.97	Sulfate	0.0022	0.008	0.008

MagIC Net

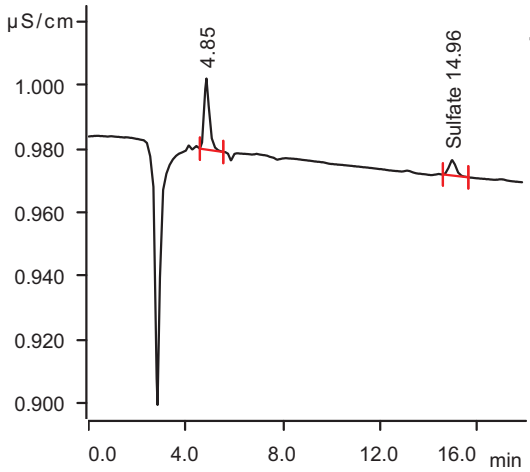
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident MB1
Sample type . . . . . Sample
Determination start 2022-09-03 18:35:55
Dilution factor 1.00

Anions

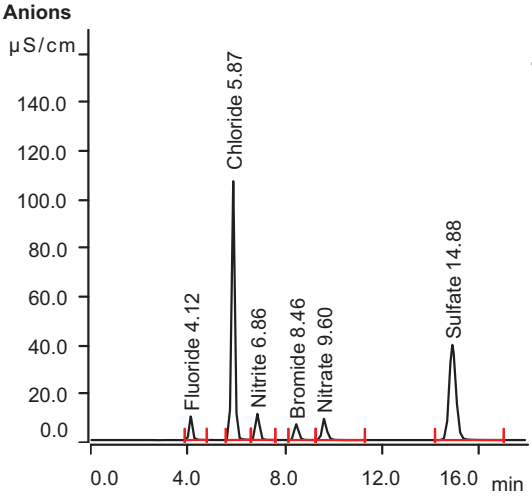


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
14.96	Sulfate	0.0017	0.006	0.006

Sample data

Ident B1
Sample type . . . . . Sample
Determination start 2022-09-03 18:57:04
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	1.5255	2.904	2.904
5.87	Chloride	16.9580	48.616	48.616
6.86	Nitrite	1.9726	2.455	2.455
8.46	Bromide	1.3081	9.374	9.374
9.60	Nitrate	2.0095	2.410	2.410
14.88	Sulfate	12.8045	50.304	50.304

MagIC Net

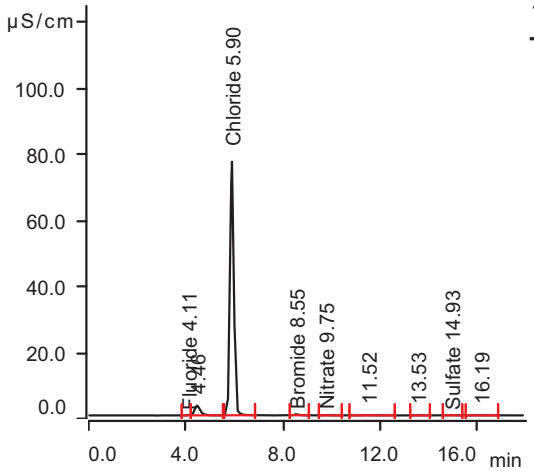
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98362-10
Sample type . . . . . Sample
Determination start 2022-09-03 19:18:09
Dilution factor 1.00

Anions

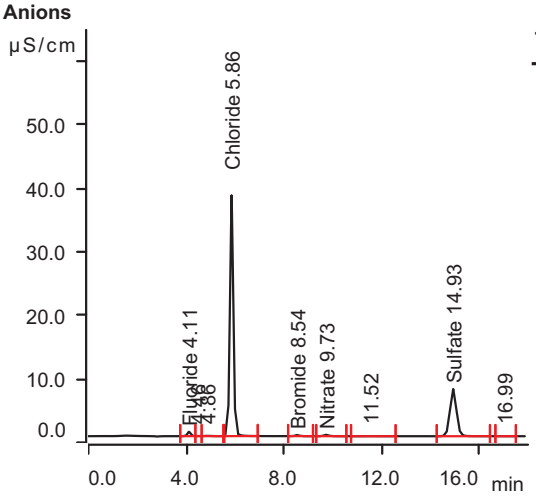


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0116	0.065	0.065
5.90	Chloride	14.0383	40.293	40.293
8.55	Bromide	0.0580	0.518	0.518
9.75	Nitrate	0.0126	0.064	0.064
14.93	Sulfate	0.0159	0.062	0.062

Sample data

Ident FA98362-16
Sample type . . . . . Sample
Determination start 2022-09-03 19:39:15
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.1103	0.250	0.250
5.86	Chloride	6.1794	17.887	17.887
8.54	Bromide	0.0358	0.360	0.360
9.73	Nitrate	0.0524	0.111	0.111
14.93	Sulfate	2.3376	9.183	9.183

MagIC Net

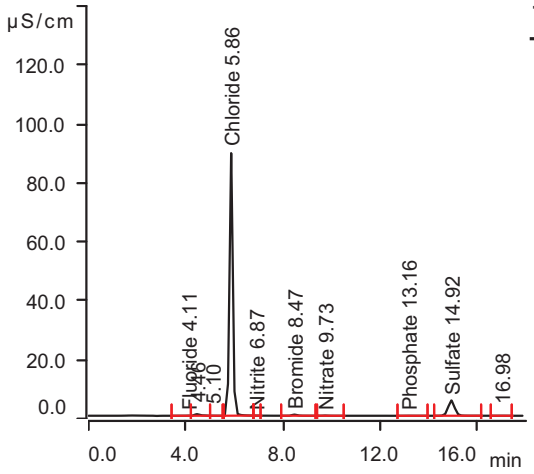
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98438-1
Sample type . . . . . Sample
Determination start 2022-09-03 20:00:22
Dilution factor 100.00

Anions

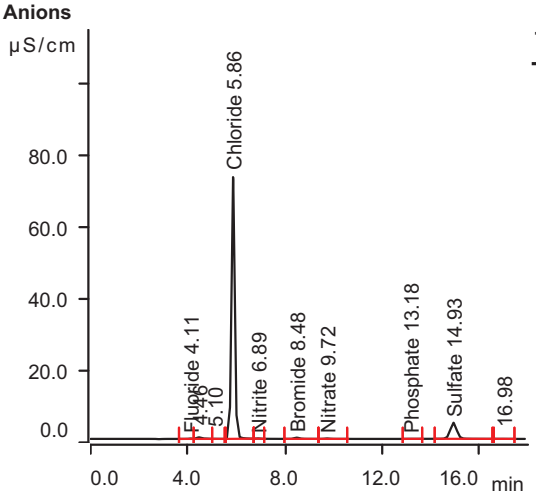


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0075	0.057	5.708
5.86	Chloride	14.0202	40.241	4024.079
6.87	Nitrite	0.0016	0.034	3.353
8.47	Bromide	0.0919	0.758	75.796
9.73	Nitrate	0.0187	0.072	7.158
13.16	Phosphate	0.0067	invalid	invalid
14.92	Sulfate	1.6295	6.401	640.136

Sample data

Ident FA98438-1S1
Sample type . . . . . Sample
Determination start 2022-09-03 20:21:14
Dilution factor 100.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0164	0.074	7.387
5.86	Chloride	11.4306	32.858	3285.815
6.89	Nitrite	0.0142	0.049	4.899
8.48	Bromide	0.0833	0.697	69.694
9.72	Nitrate	0.0291	0.084	8.375
13.18	Phosphate	0.0044	invalid	invalid
14.93	Sulfate	1.4151	5.559	555.899

MagIC Net

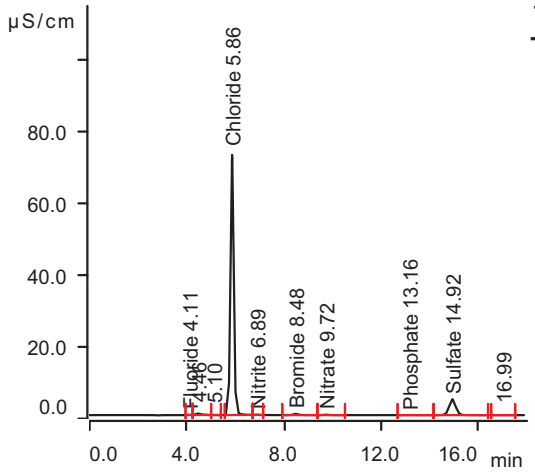
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98438-1S2
Sample type . . . . . Sample
Determination start 2022-09-03 20:42:05
Dilution factor 100.00

Anions

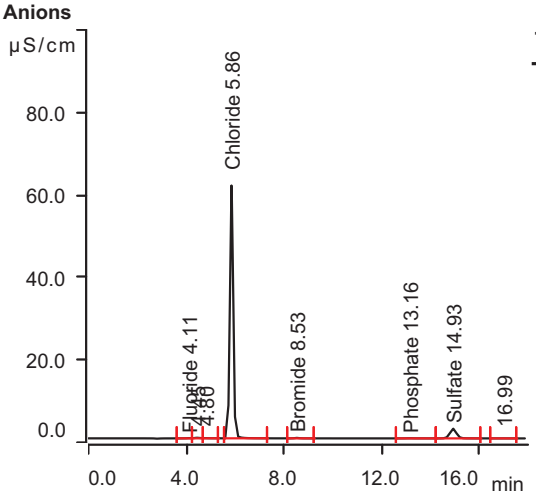


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0098	0.061	6.148
5.86	Chloride	11.3517	32.633	3263.303
6.89	Nitrite	0.0140	0.049	4.875
8.48	Bromide	0.0827	0.693	69.260
9.72	Nitrate	0.0287	0.083	8.327
13.16	Phosphate	0.0071	invalid	invalid
14.92	Sulfate	1.3956	5.482	548.233

Sample data

Ident FA98438-2
Sample type . . . . . Sample
Determination start 2022-09-03 21:02:55
Dilution factor 100.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0089	0.060	5.973
5.86	Chloride	9.6277	27.718	2771.806
8.53	Bromide	0.0235	0.274	27.376
13.16	Phosphate	0.0104	invalid	invalid
14.93	Sulfate	0.7372	2.896	289.598

MagIC Net

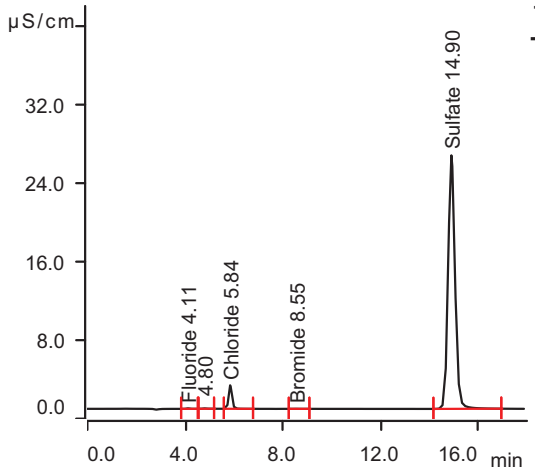
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98609-1
Sample type . . . . . Sample
Determination start 2022-09-03 21:23:45
Dilution factor 10.00

Anions

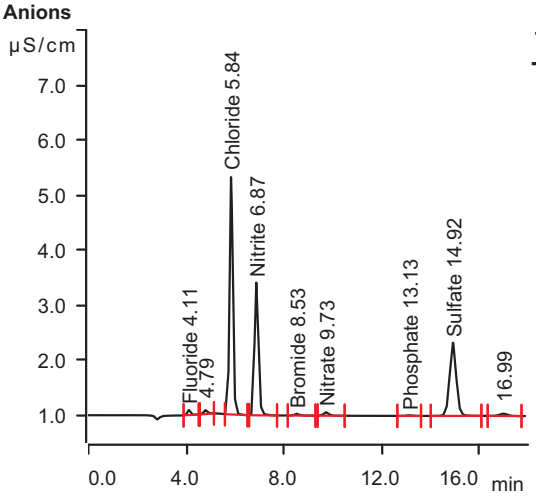


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0083	0.059	0.587
5.84	Chloride	0.3788	1.350	13.500
8.55	Bromide	0.0017	0.119	1.193
14.90	Sulfate	8.4596	33.234	332.342

Sample data

Ident FA98609-2
Sample type . . . . . Sample
Determination start 2022-09-03 21:44:34
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0146	0.070	0.704
5.84	Chloride	0.6647	2.165	21.652
6.87	Nitrite	0.4375	0.569	5.690
8.53	Bromide	0.0074	0.159	1.593
9.73	Nitrate	0.0155	0.068	0.678
13.13	Phosphate	0.0034	invalid	invalid
14.92	Sulfate	0.4226	1.660	16.599

MagIC Net

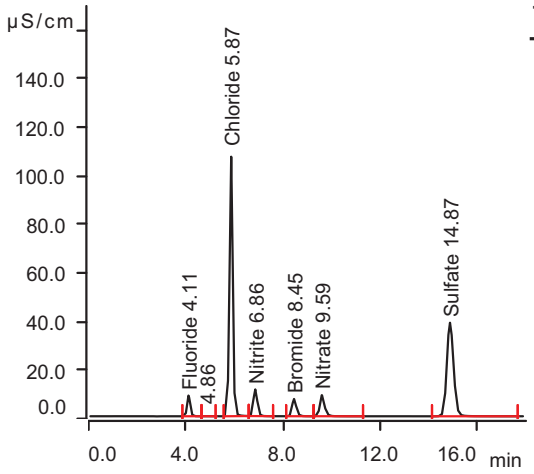
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-03 22:05:24
Dilution factor 1.00

Anions

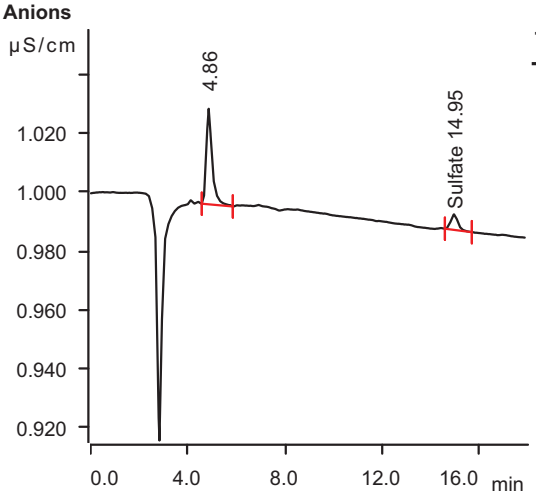


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.2887	2.460	2.460
5.87	Chloride	17.0030	48.745	48.745
6.86	Nitrite	2.0239	2.518	2.518
8.45	Bromide	1.4258	10.208	10.208
9.59	Nitrate	1.9951	2.393	2.393
14.87	Sulfate	12.4942	49.085	49.085

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-03 22:26:33
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
14.95	Sulfate	0.0018	0.007	0.007

MagIC Net

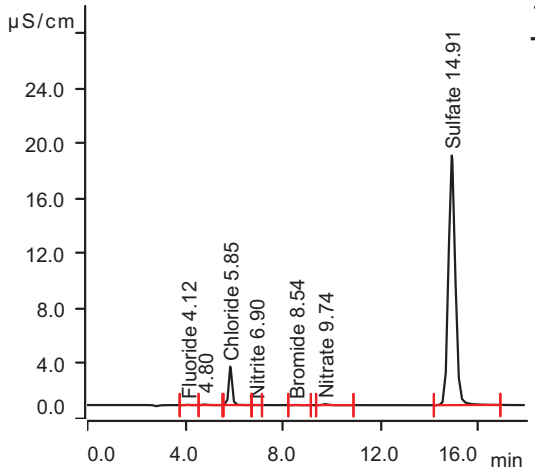
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98609-3
Sample type . . . . . Sample
Determination start 2022-09-03 22:47:37
Dilution factor 10.00

Anions

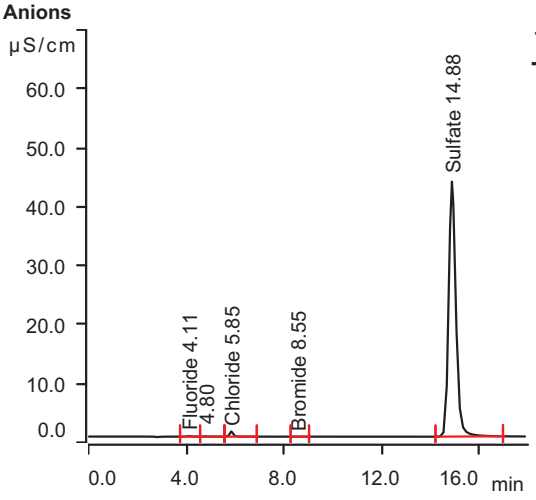


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0046	0.052	0.517
5.85	Chloride	0.4416	1.529	15.289
6.90	Nitrite	0.0006	0.032	0.323
8.54	Bromide	0.0020	0.121	1.212
9.74	Nitrate	0.0191	0.072	0.721
14.91	Sulfate	5.9037	23.193	231.933

Sample data

Ident FA98609-4
Sample type . . . . . Sample
Determination start 2022-09-03 23:08:26
Dilution factor 25.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0172	0.075	1.882
5.85	Chloride	0.1445	0.682	17.049
8.55	Bromide	0.0007	0.112	2.804
14.88	Sulfate	14.7663	58.011	1450.275

MagIC Net

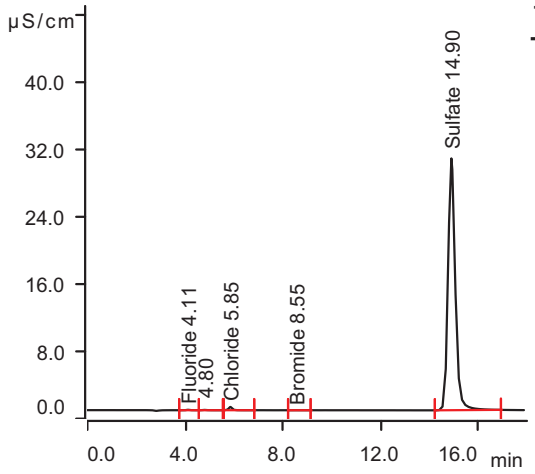
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98609-5
Sample type . . . . . Sample
Determination start 2022-09-03 23:29:16
Dilution factor 50.00

Anions

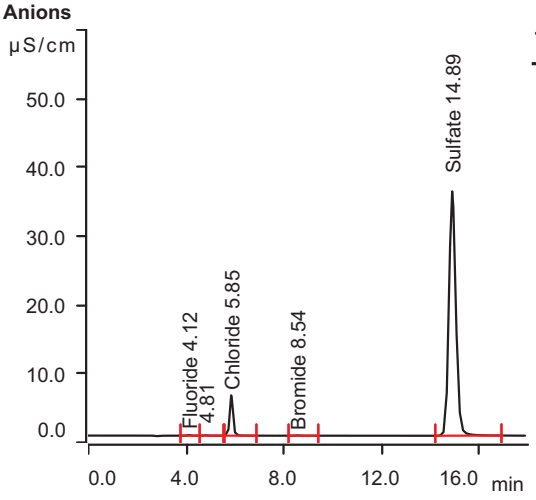


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0098	0.062	3.076
5.85	Chloride	0.0669	0.461	23.047
8.55	Bromide	0.0007	0.112	5.584
14.90	Sulfate	10.2419	40.236	2011.815

Sample data

Ident FA98609-6
Sample type . . . . . Sample
Determination start 2022-09-03 23:50:06
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0151	0.071	0.357
5.85	Chloride	0.9233	2.902	14.512
8.54	Bromide	0.0086	0.168	0.838
14.89	Sulfate	11.6779	45.878	229.389

MagIC Net

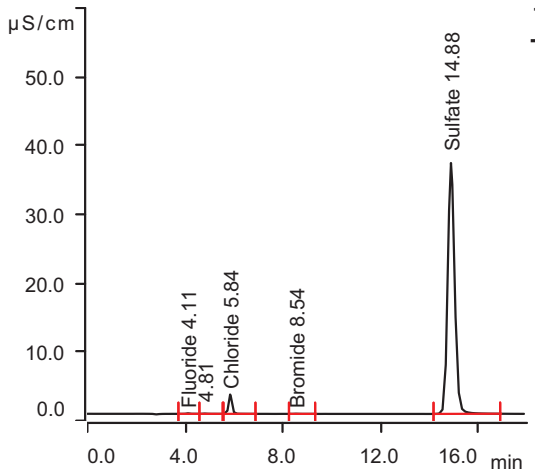
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98609-7
Sample type . . . . . Sample
Determination start 2022-09-04 00:10:55
Dilution factor 5.00

Anions

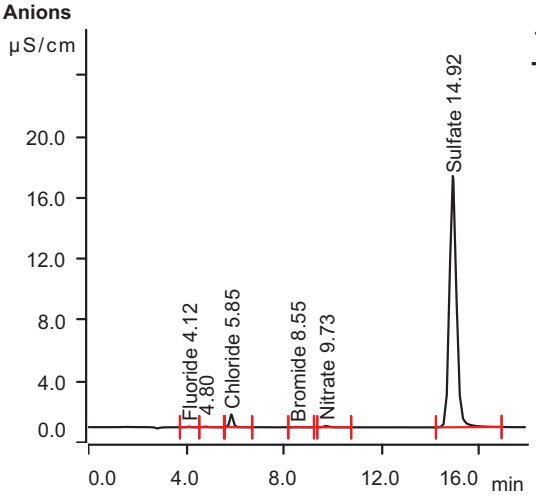


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0141	0.069	0.347
5.84	Chloride	0.4459	1.541	7.706
8.54	Bromide	0.0053	0.145	0.724
14.88	Sulfate	11.9460	46.931	234.656

Sample data

Ident FA98609-8
Sample type . . . . . Sample
Determination start 2022-09-04 00:31:45
Dilution factor 25.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0067	0.056	1.390
5.85	Chloride	0.1368	0.660	16.503
8.55	Bromide	0.0020	0.121	3.027
9.73	Nitrate	0.0224	0.076	1.897
14.92	Sulfate	5.4740	21.505	537.621

MagIC Net

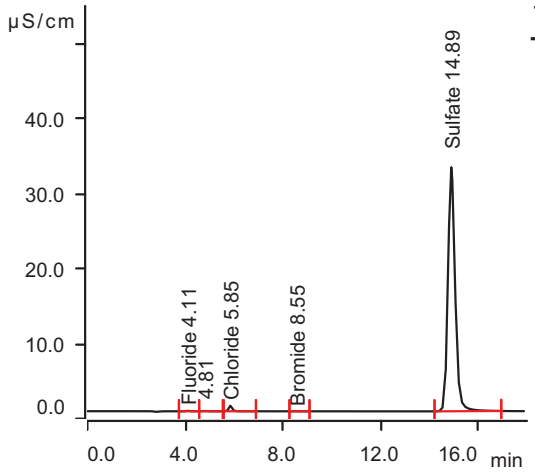
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98609-9
Sample type . . . . . Sample
Determination start 2022-09-04 00:52:33
Dilution factor 25.00

Anions

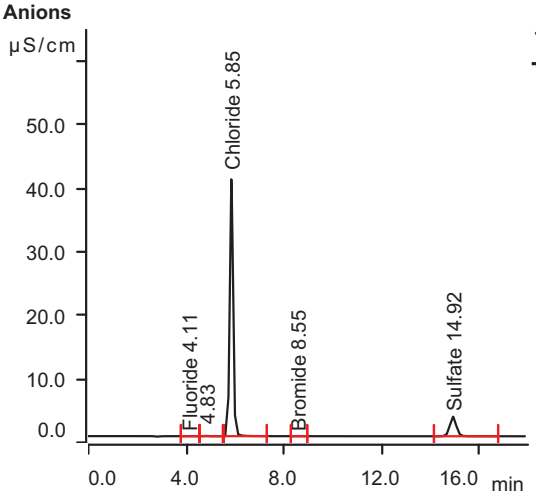


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0114	0.065	1.613
5.85	Chloride	0.1205	0.614	15.343
8.55	Bromide	0.0016	0.118	2.951
14.89	Sulfate	11.0550	43.431	1085.768

Sample data

Ident FA98468-1
Sample type . . . . . Sample
Determination start 2022-09-04 01:13:23
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0019	0.047	0.233
5.85	Chloride	6.4116	18.549	92.746
8.55	Bromide	0.0013	0.116	0.579
14.92	Sulfate	0.9694	3.808	19.040

MagIC Net

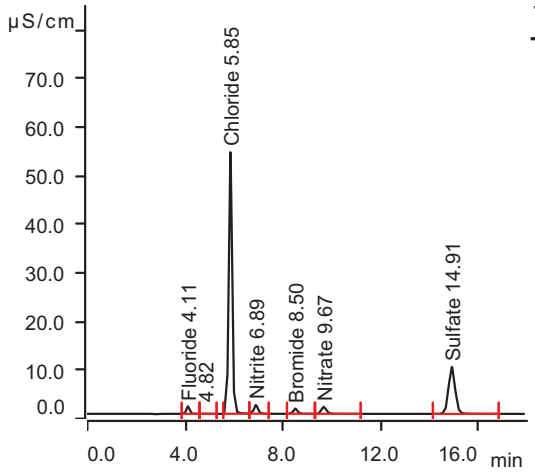
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98468-1S3
Sample type . . . . . Sample
Determination start 2022-09-04 01:34:11
Dilution factor 5.00

Anions

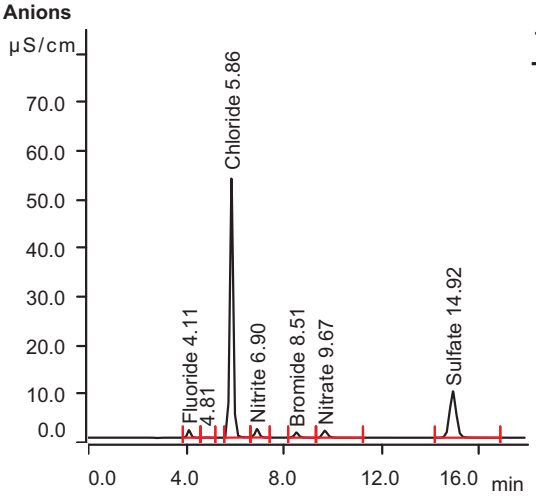


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.2367	0.487	2.435
5.85	Chloride	8.5296	24.587	122.937
6.89	Nitrite	0.3376	0.446	2.231
8.50	Bromide	0.2205	1.669	8.346
9.67	Nitrate	0.3366	0.445	2.225
14.91	Sulfate	3.0612	12.026	60.131

Sample data

Ident FA98468-1S4
Sample type . . . . . Sample
Determination start 2022-09-04 01:55:00
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.2375	0.489	2.443
5.86	Chloride	8.4404	24.333	121.665
6.90	Nitrite	0.3326	0.440	2.200
8.51	Bromide	0.2173	1.647	8.233
9.67	Nitrate	0.3319	0.440	2.198
14.92	Sulfate	3.0232	11.877	59.384

MagIC Net

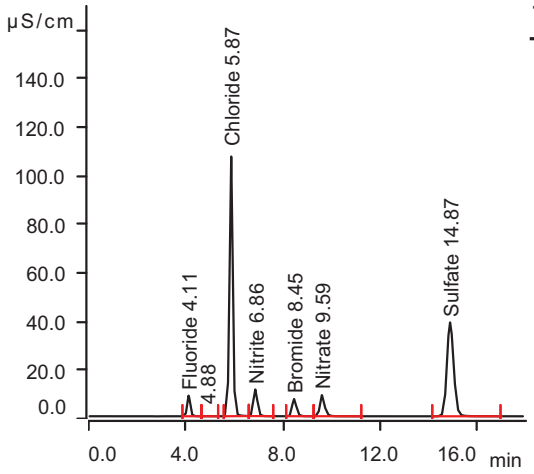
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-04 02:15:49
Dilution factor 1.00

Anions

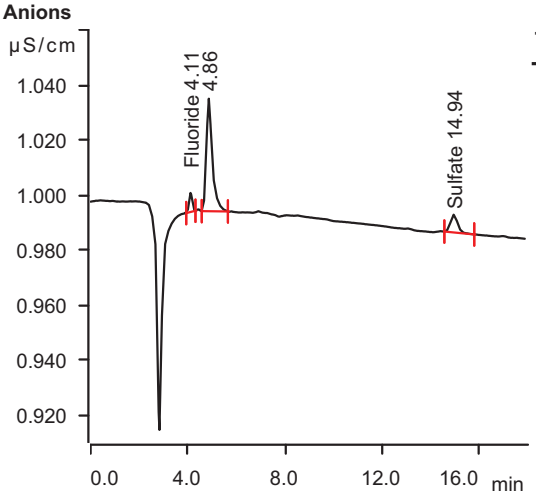


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.2883	2.459	2.459
5.87	Chloride	17.0568	48.898	48.898
6.86	Nitrite	2.0282	2.523	2.523
8.45	Bromide	1.4300	10.238	10.238
9.59	Nitrate	2.0001	2.399	2.399
14.87	Sulfate	12.5556	49.326	49.326

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-04 02:37:02
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0011	0.045	0.045
14.94	Sulfate	0.0022	0.008	0.008

MagIC Net

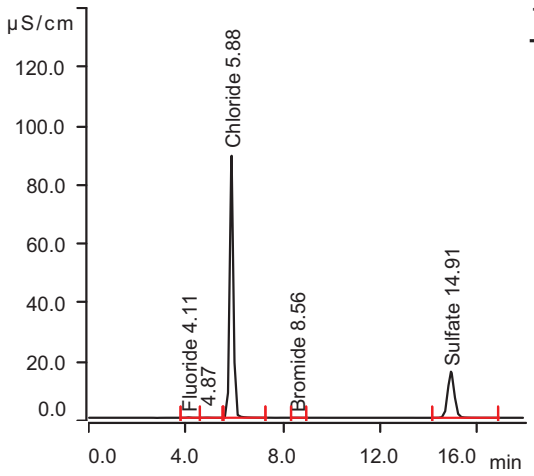
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98468-2
Sample type . . . . . Sample
Determination start 2022-09-04 02:58:07
Dilution factor 1.00

Anions

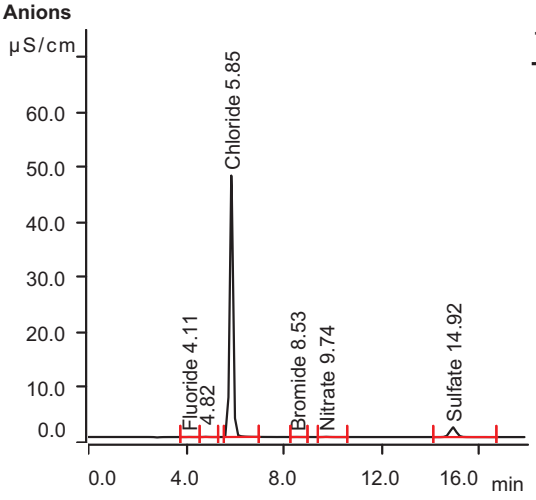


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0227	0.086	0.086
5.88	Chloride	15.3635	44.071	44.071
8.56	Bromide	0.0027	0.126	0.126
14.91	Sulfate	4.9724	19.535	19.535

Sample data

Ident FA98468-3
Sample type . . . . . Sample
Determination start 2022-09-04 03:19:17
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0024	0.048	0.476
5.85	Chloride	7.4013	21.371	213.707
8.53	Bromide	0.0025	0.124	1.245
9.74	Nitrate	0.0098	0.061	0.611
14.92	Sulfate	0.5604	2.201	22.013

MagIC Net

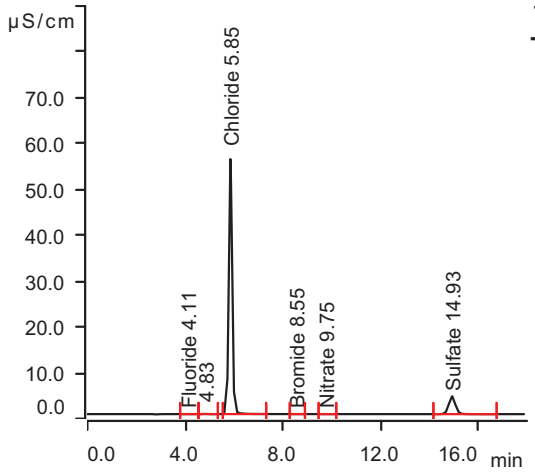
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98468-4
Sample type . . . . . Sample
Determination start 2022-09-04 03:40:07
Dilution factor 5.00

Anions

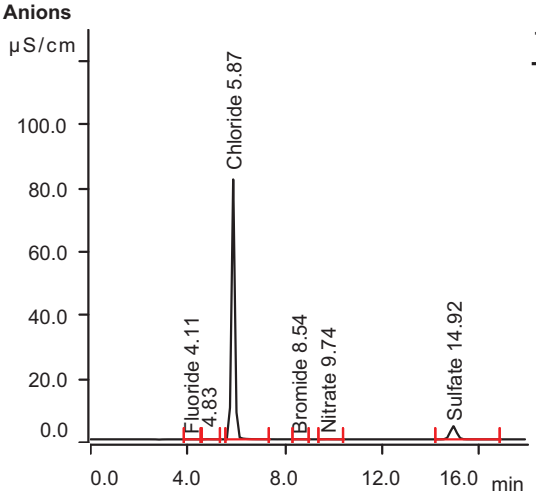


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0022	0.047	0.237
5.85	Chloride	8.8221	25.421	127.107
8.55	Bromide	0.0011	0.115	0.574
9.75	Nitrate	0.0010	0.051	0.254
14.93	Sulfate	1.2270	4.820	24.101

Sample data

Ident FA98468-5
Sample type . . . . . Sample
Determination start 2022-09-04 04:00:57
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0018	0.046	0.232
5.87	Chloride	13.1350	37.717	188.587
8.54	Bromide	0.0020	0.121	0.604
9.74	Nitrate	0.0071	0.058	0.290
14.92	Sulfate	1.2987	5.102	25.508

MagIC Net

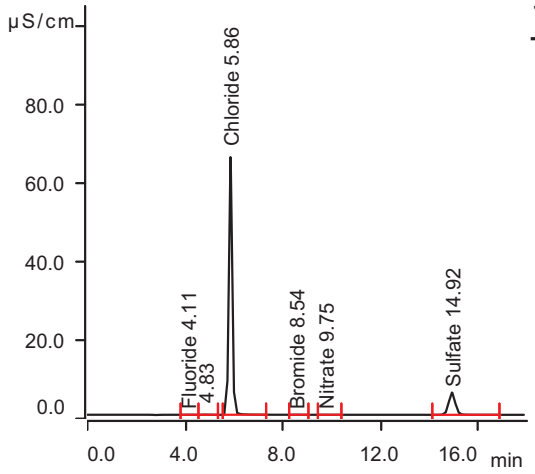
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98468-6
Sample type . . . . . Sample
Determination start 2022-09-04 04:21:48
Dilution factor 5.00

Anions

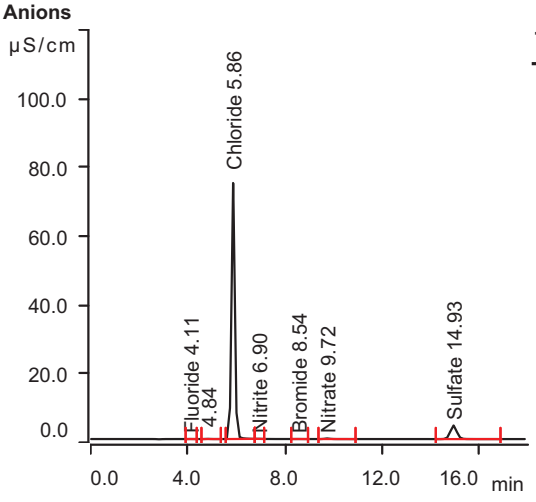


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0033	0.049	0.246
5.86	Chloride	10.3723	29.841	149.204
8.54	Bromide	0.0038	0.134	0.671
9.75	Nitrate	0.0038	0.054	0.270
14.92	Sulfate	1.7800	6.993	34.964

Sample data

Ident FA98468-7
Sample type . . . . . Sample
Determination start 2022-09-04 04:42:36
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0029	0.049	0.243
5.86	Chloride	11.8809	34.142	170.710
6.90	Nitrite	0.0040	0.036	0.182
8.54	Bromide	0.0018	0.120	0.600
9.72	Nitrate	0.0424	0.099	0.497
14.93	Sulfate	1.2436	4.886	24.428

MagIC Net

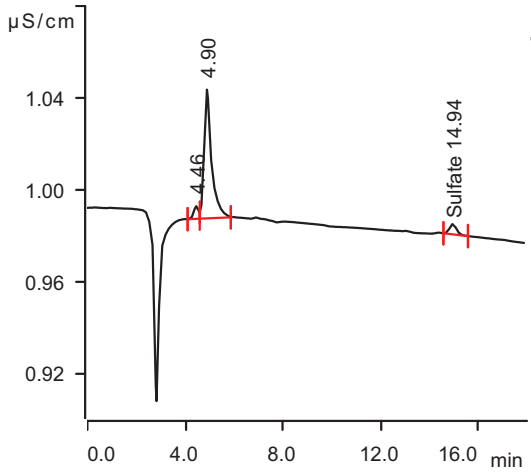
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident MB1
Sample type . . . . . Sample
Determination start 2022-09-04 05:03:25
Dilution factor 1.00

Anions

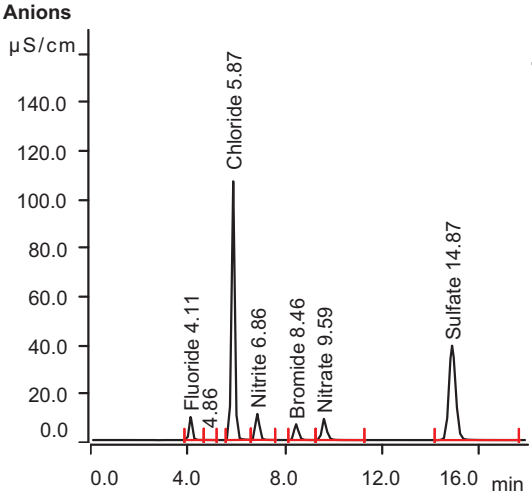


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
14.94	Sulfate	0.0015	0.005	0.005

Sample data

Ident B1
Sample type . . . . . Sample
Determination start 2022-09-04 05:24:32
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.4431	2.749	2.749
5.87	Chloride	16.9832	48.688	48.688
6.86	Nitrite	1.9746	2.457	2.457
8.46	Bromide	1.3100	9.388	9.388
9.59	Nitrate	2.0082	2.409	2.409
14.87	Sulfate	12.6370	49.646	49.646

MagIC Net

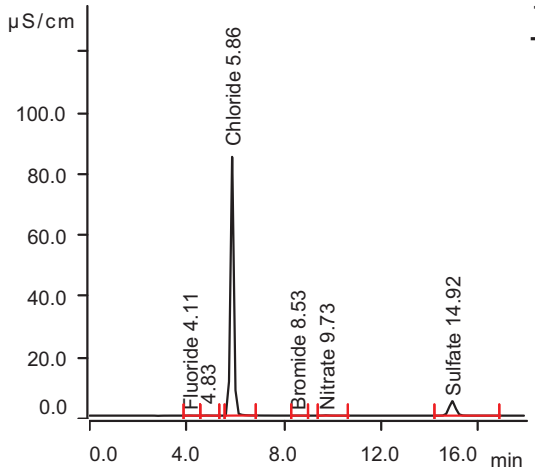
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98468-8
Sample type . . . . . Sample
Determination start 2022-09-04 05:45:36
Dilution factor 5.00

Anions

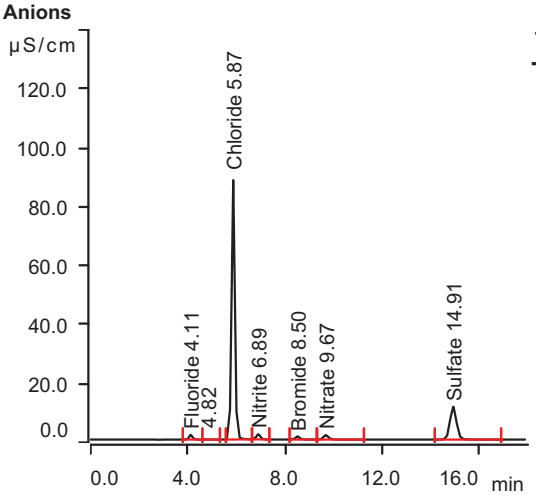


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0057	0.054	0.269
5.86	Chloride	13.5497	38.899	194.497
8.53	Bromide	0.0026	0.125	0.626
9.73	Nitrate	0.0228	0.076	0.382
14.92	Sulfate	1.4896	5.852	29.258

Sample data

Ident FA98468-8S1
Sample type . . . . . Sample
Determination start 2022-09-04 06:06:26
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.2456	0.504	2.518
5.87	Chloride	14.0252	40.255	201.276
6.89	Nitrite	0.3277	0.434	2.171
8.50	Bromide	0.2164	1.640	8.202
9.67	Nitrate	0.3499	0.461	2.303
14.91	Sulfate	3.5281	13.860	69.302

MagIC Net

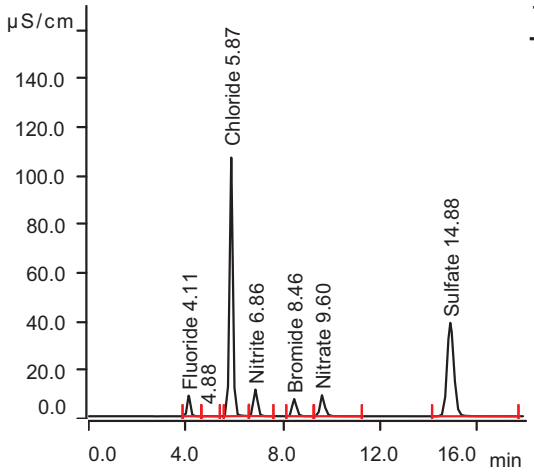
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-04 06:27:14
Dilution factor 1.00

Anions

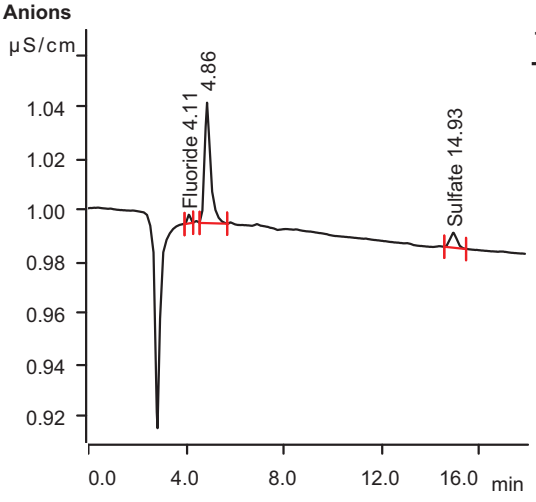


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.2871	2.457	2.457
5.87	Chloride	16.9985	48.732	48.732
6.86	Nitrite	2.0223	2.516	2.516
8.46	Bromide	1.4244	10.198	10.198
9.60	Nitrate	1.9912	2.389	2.389
14.88	Sulfate	12.5102	49.148	49.148

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-04 06:48:23
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0005	0.044	0.044
14.93	Sulfate	0.0019	0.007	0.007

MagIC Net

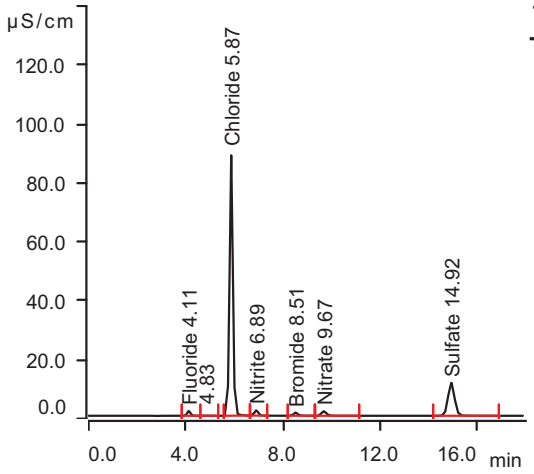
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98468-8S2
Sample type . . . . . Sample
Determination start 2022-09-04 07:09:28
Dilution factor 5.00

Anions

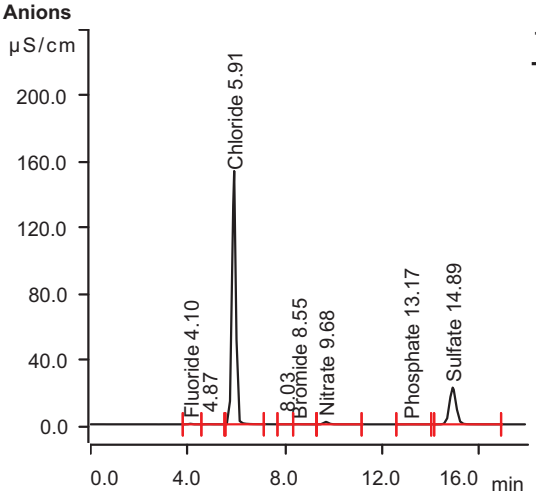


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.2483	0.509	2.544
5.87	Chloride	14.1072	40.489	202.444
6.89	Nitrite	0.3297	0.437	2.183
8.51	Bromide	0.2176	1.648	8.242
9.67	Nitrate	0.3514	0.462	2.312
14.92	Sulfate	3.5476	13.937	69.684

Sample data

Ident FA98468-9
Sample type . . . . . Sample
Determination start 2022-09-04 07:30:17
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0554	0.147	0.147
5.91	Chloride	27.9245	79.881	79.881
8.55	Bromide	0.0114	0.188	0.188
9.68	Nitrate	0.3364	0.445	0.445
13.17	Phosphate	0.0045	invalid	invalid
14.89	Sulfate	7.1024	27.903	27.903

MagIC Net

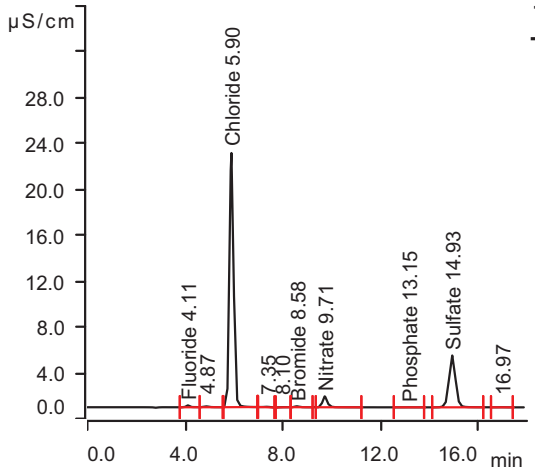
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98485-1
Sample type . . . . . Sample
Determination start 2022-09-04 07:51:32
Dilution factor 1.00

Anions

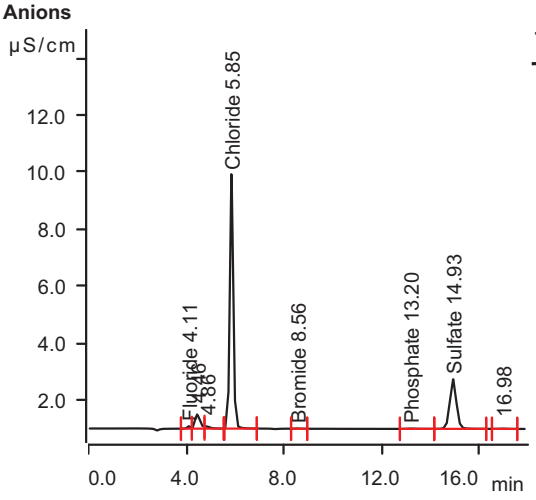


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0324	0.104	0.104
5.90	Chloride	4.4010	12.817	12.817
8.58	Bromide	0.0169	0.227	0.227
9.71	Nitrate	0.2179	0.306	0.306
13.15	Phosphate	0.0013	invalid	invalid
14.93	Sulfate	1.4217	5.585	5.585

Sample data

Ident FA98485-2
Sample type . . . . . Sample
Determination start 2022-09-04 08:12:38
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0136	0.069	0.069
5.85	Chloride	1.4677	4.454	4.454
8.56	Bromide	0.0021	0.122	0.122
13.20	Phosphate	0.0048	invalid	invalid
14.93	Sulfate	0.5523	2.170	2.170

MagIC Net

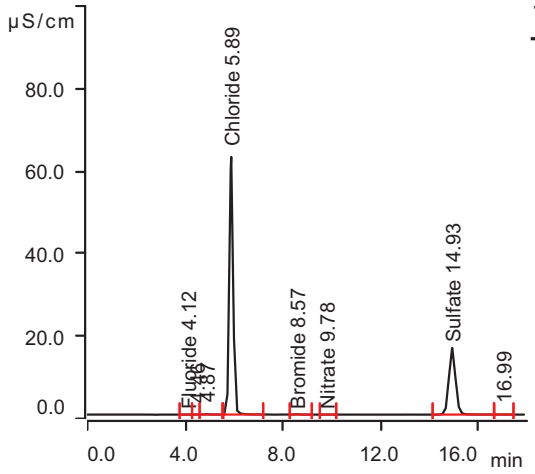
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98485-3
Sample type . . . . . Sample
Determination start 2022-09-04 08:33:43
Dilution factor 1.00

Anions

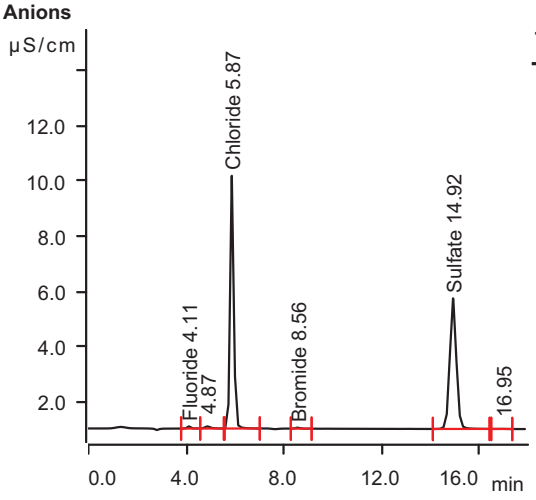


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0046	0.052	0.052
5.89	Chloride	11.2734	32.410	32.410
8.57	Bromide	0.0198	0.247	0.247
9.78	Nitrate	0.0013	0.051	0.051
14.93	Sulfate	5.1173	20.104	20.104

Sample data

Ident FA98485-4
Sample type . . . . . Sample
Determination start 2022-09-04 08:54:47
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0146	0.071	0.071
5.87	Chloride	1.5999	4.831	4.831
8.56	Bromide	0.0075	0.160	0.160
14.92	Sulfate	1.4938	5.868	5.868

MagIC Net

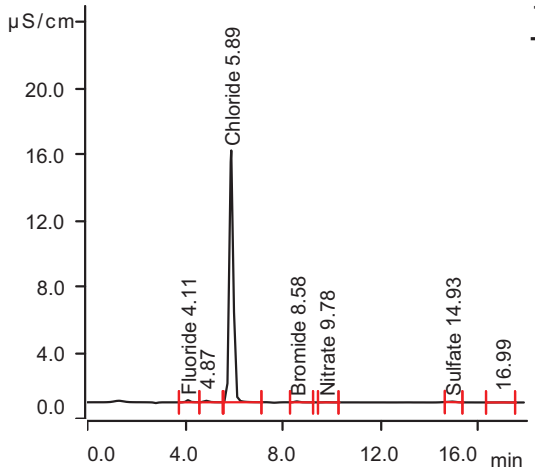
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98485-5
Sample type . . . . . Sample
Determination start 2022-09-04 09:15:52
Dilution factor 1.00

Anions

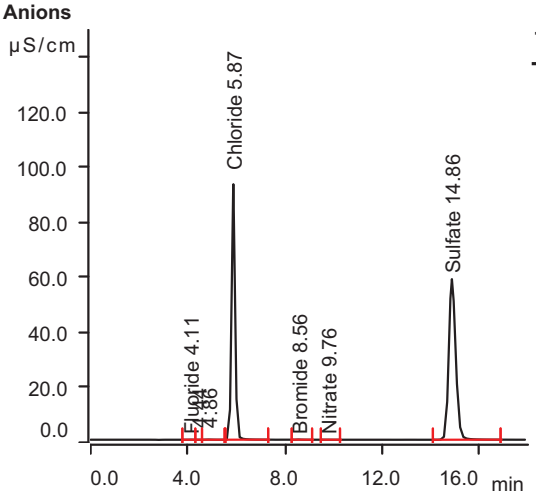


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0259	0.092	0.092
5.89	Chloride	2.8961	8.527	8.527
8.58	Bromide	0.0118	0.191	0.191
9.78	Nitrate	0.0024	0.052	0.052
14.93	Sulfate	0.0116	0.045	0.045

Sample data

Ident FA98485-6
Sample type . . . . . Sample
Determination start 2022-09-04 09:36:55
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0063	0.055	0.055
5.87	Chloride	15.7729	45.238	45.238
8.56	Bromide	0.0146	0.211	0.211
9.76	Nitrate	0.0023	0.052	0.052
14.86	Sulfate	19.1919	75.397	75.397

MagIC Net

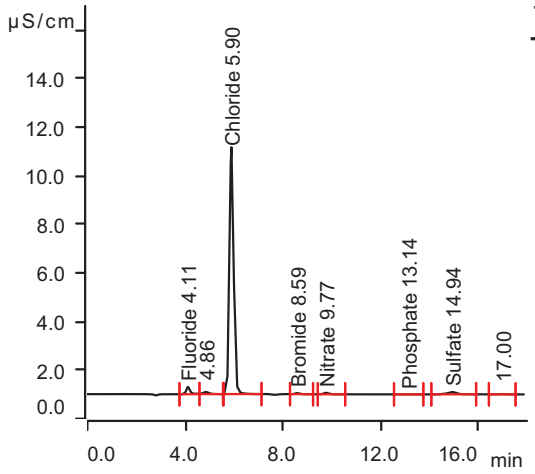
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98485-7
Sample type . . . . . Sample
Determination start 2022-09-04 09:57:58
Dilution factor 1.00

Anions

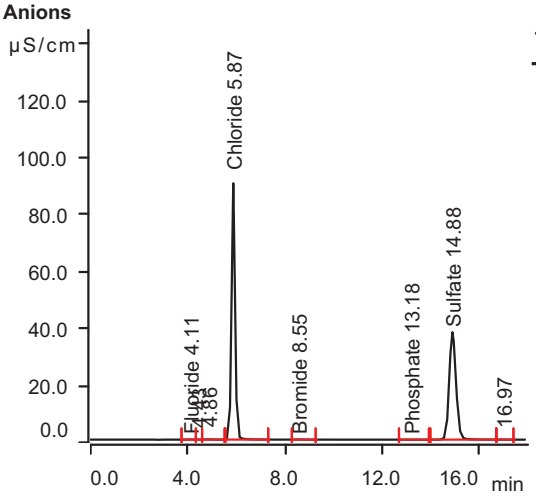


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0569	0.150	0.150
5.90	Chloride	2.0252	6.044	6.044
8.59	Bromide	0.0095	0.174	0.174
9.77	Nitrate	0.0149	0.067	0.067
13.14	Phosphate	0.0012	invalid	invalid
14.94	Sulfate	0.0426	0.167	0.167

Sample data

Ident FA98485-8
Sample type . . . . . Sample
Determination start 2022-09-04 10:19:03
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0131	0.068	0.068
5.87	Chloride	15.3361	43.992	43.992
8.55	Bromide	0.0138	0.205	0.205
13.18	Phosphate	0.0035	invalid	invalid
14.88	Sulfate	12.1966	47.916	47.916

MagIC Net

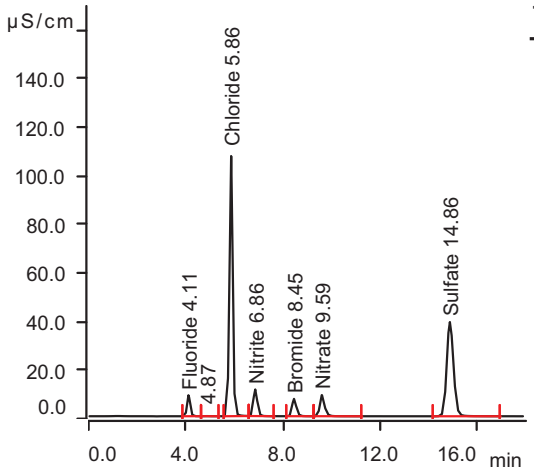
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-04 10:40:08
Dilution factor 1.00

Anions

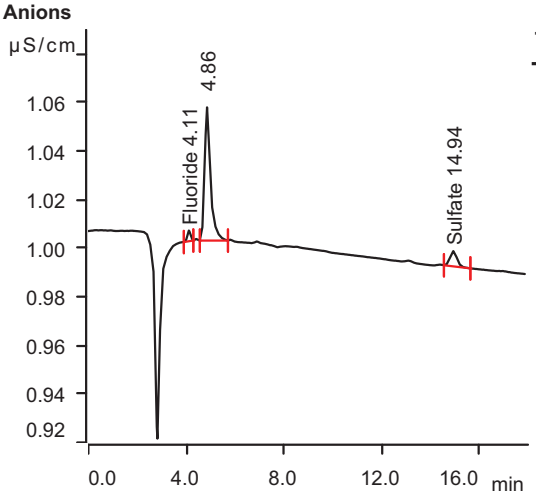


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.3159	2.511	2.511
5.86	Chloride	17.1119	49.055	49.055
6.86	Nitrite	2.0343	2.531	2.531
8.45	Bromide	1.4348	10.272	10.272
9.59	Nitrate	2.0057	2.406	2.406
14.86	Sulfate	12.6030	49.512	49.512

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-04 11:01:19
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0007	0.044	0.044
14.94	Sulfate	0.0021	0.008	0.008

MagIC Net

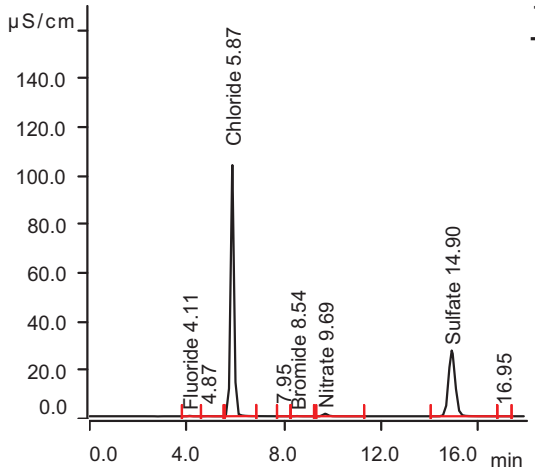
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98485-9
Sample type . . . . . Sample
Determination start 2022-09-04 11:22:23
Dilution factor 1.00

Anions

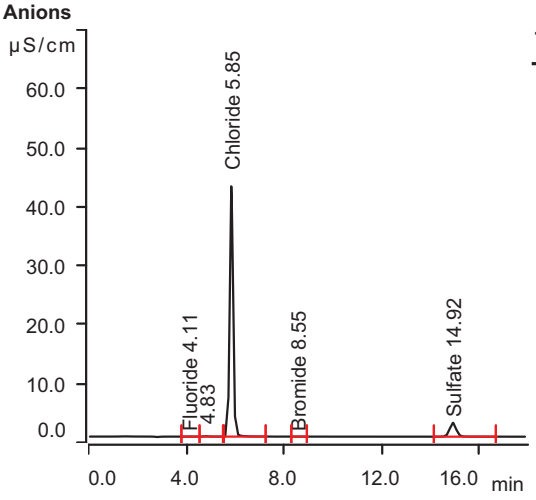


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0282	0.096	0.096
5.87	Chloride	16.9655	48.638	48.638
8.54	Bromide	0.0151	0.214	0.214
9.69	Nitrate	0.2407	0.332	0.332
14.90	Sulfate	8.7007	34.182	34.182

Sample data

Ident FA98517-1
Sample type . . . . . Sample
Determination start 2022-09-04 11:43:33
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0034	0.049	0.247
5.85	Chloride	6.7461	19.503	97.514
8.55	Bromide	0.0012	0.115	0.576
14.92	Sulfate	0.7413	2.912	14.560

MagIC Net

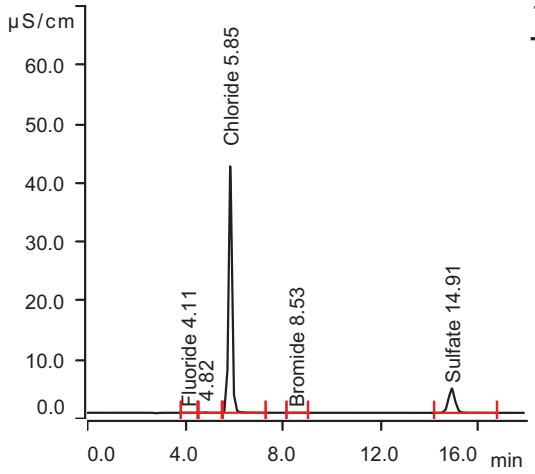
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98517-2
Sample type . . . . . Sample
Determination start 2022-09-04 12:04:22
Dilution factor 5.00

Anions

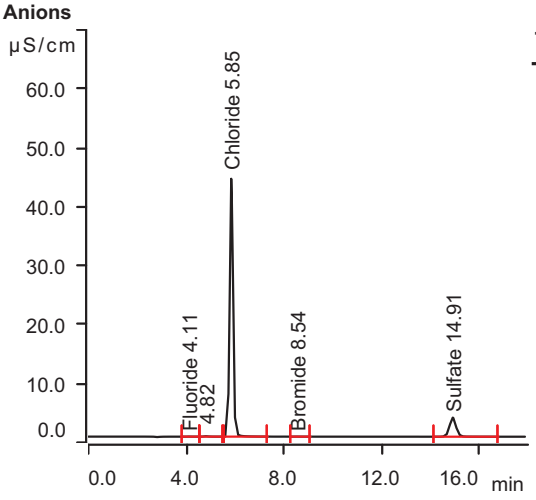


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0016	0.046	0.230
5.85	Chloride	6.6126	19.122	95.611
8.53	Bromide	0.0029	0.128	0.639
14.91	Sulfate	1.2982	5.100	25.500

Sample data

Ident FA98517-3
Sample type . . . . . Sample
Determination start 2022-09-04 12:25:12
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0026	0.048	0.240
5.85	Chloride	6.9203	20.000	99.998
8.54	Bromide	0.0026	0.126	0.628
14.91	Sulfate	1.0170	3.995	19.976

MagIC Net

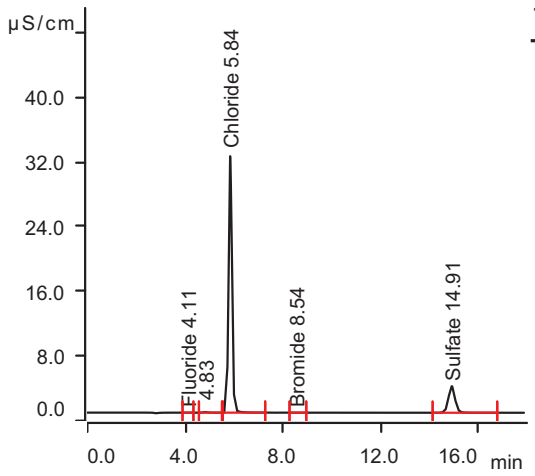
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98517-4
Sample type . . . . . Sample
Determination start 2022-09-04 12:46:00
Dilution factor 5.00

Anions

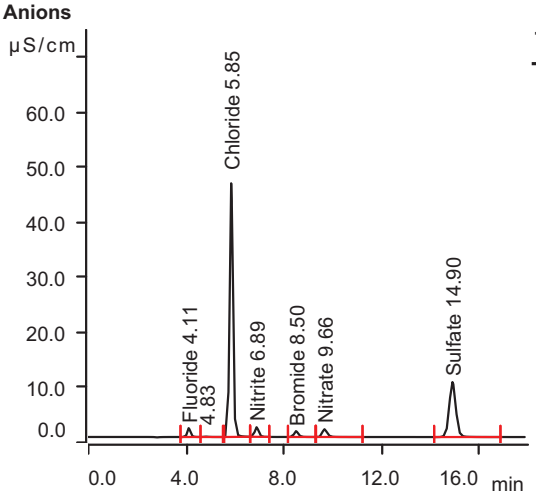


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0016	0.046	0.231
5.84	Chloride	5.0075	14.546	72.730
8.54	Bromide	0.0008	0.113	0.563
14.91	Sulfate	1.0317	4.053	20.265

Sample data

Ident FA98517-4S3
Sample type . . . . . Sample
Determination start 2022-09-04 13:06:48
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.2455	0.503	2.517
5.85	Chloride	7.2715	21.001	105.004
6.89	Nitrite	0.3275	0.434	2.169
8.50	Bromide	0.2150	1.630	8.150
9.66	Nitrate	0.3257	0.432	2.161
14.90	Sulfate	3.1584	12.408	62.038

MagIC Net

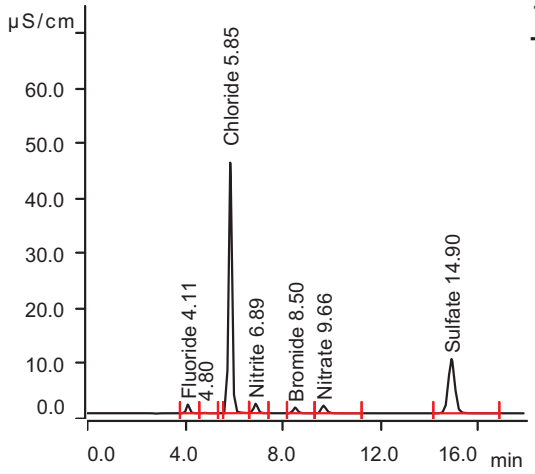
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98517-4S4
Sample type . . . . . Sample
Determination start 2022-09-04 13:27:37
Dilution factor 5.00

Anions

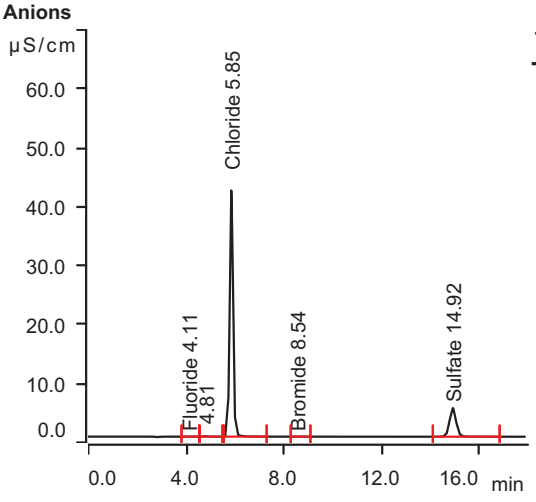


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.2417	0.496	2.482
5.85	Chloride	7.1871	20.760	103.801
6.89	Nitrite	0.3220	0.427	2.136
8.50	Bromide	0.2118	1.607	8.037
9.66	Nitrate	0.3210	0.427	2.133
14.90	Sulfate	3.1133	12.231	61.154

Sample data

Ident FA98517-5
Sample type . . . . . Sample
Determination start 2022-09-04 13:48:25
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0022	0.047	0.237
5.85	Chloride	6.6266	19.162	95.810
8.54	Bromide	0.0030	0.128	0.641
14.92	Sulfate	1.5252	5.992	29.958

MagIC Net

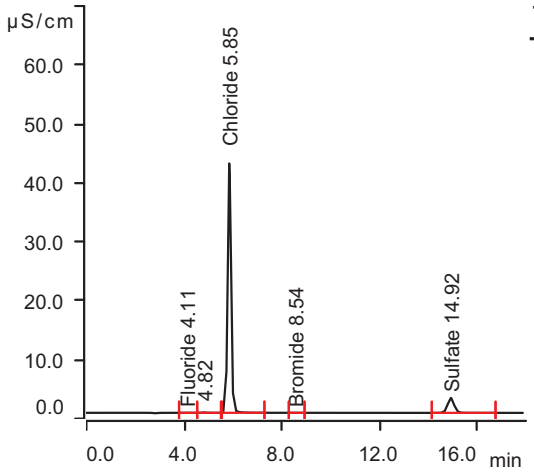
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98517-7
Sample type . . . . . Sample
Determination start 2022-09-04 14:09:15
Dilution factor 5.00

Anions

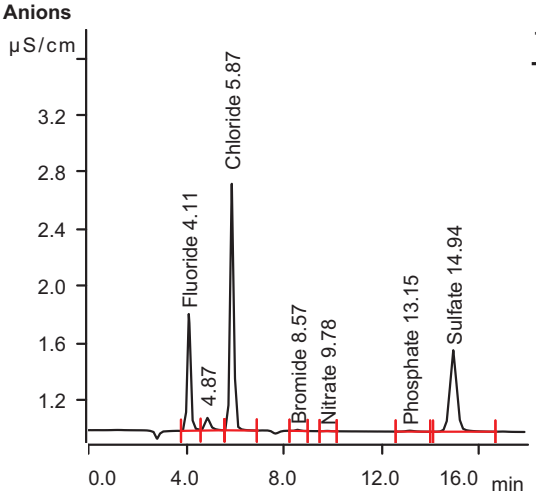


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0026	0.048	0.240
5.85	Chloride	6.7433	19.495	97.474
8.54	Bromide	0.0013	0.116	0.579
14.92	Sulfate	0.7964	3.128	15.642

Sample data

Ident FA98522-1
Sample type . . . . . Sample
Determination start 2022-09-04 14:30:03
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.1312	0.289	0.289
5.87	Chloride	0.3031	1.134	1.134
8.57	Bromide	0.0016	0.119	0.119
9.78	Nitrate	0.0006	0.050	0.050
13.15	Phosphate	0.0027	invalid	invalid
14.94	Sulfate	0.1934	0.759	0.759

MagIC Net

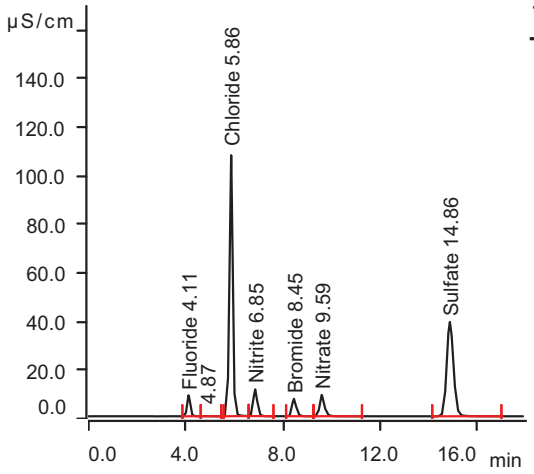
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-04 14:51:12
Dilution factor 1.00

Anions

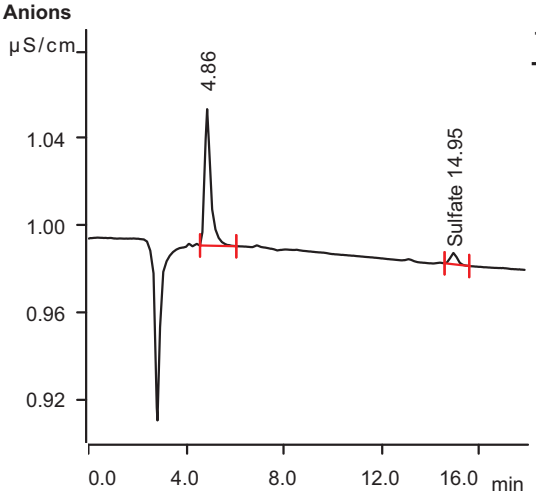


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.3053	2.491	2.491
5.86	Chloride	17.1384	49.131	49.131
6.85	Nitrite	2.0354	2.532	2.532
8.45	Bromide	1.4380	10.294	10.294
9.59	Nitrate	2.0101	2.411	2.411
14.86	Sulfate	12.6075	49.530	49.530

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-04 15:12:23
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
14.95	Sulfate	0.0017	0.006	0.006

MagIC Net

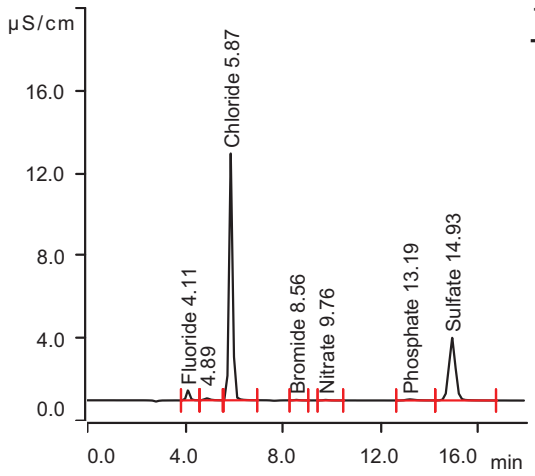
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98522-2
Sample type . . . . . Sample
Determination start 2022-09-04 15:33:26
Dilution factor 1.00

Anions

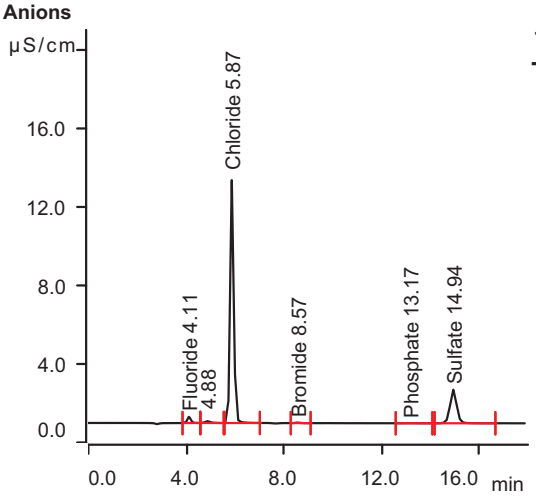


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0773	0.188	0.188
5.87	Chloride	2.0377	6.079	6.079
8.56	Bromide	0.0051	0.143	0.143
9.76	Nitrate	0.0061	0.057	0.057
13.19	Phosphate	0.0237	invalid	invalid
14.93	Sulfate	0.9588	3.767	3.767

Sample data

Ident FA98522-3
Sample type . . . . . Sample
Determination start 2022-09-04 15:54:39
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0513	0.139	0.139
5.87	Chloride	2.1346	6.356	6.356
8.57	Bromide	0.0056	0.147	0.147
13.17	Phosphate	0.0021	invalid	invalid
14.94	Sulfate	0.5457	2.143	2.143

MagIC Net

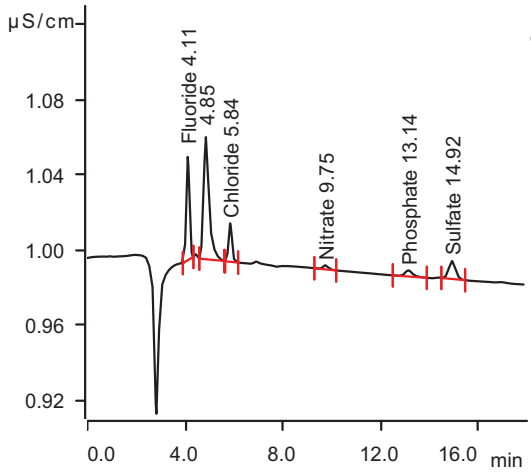
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident MB1F
Sample type . . . . . Sample
Determination start 2022-09-04 16:15:43
Dilution factor 1.00

Anions

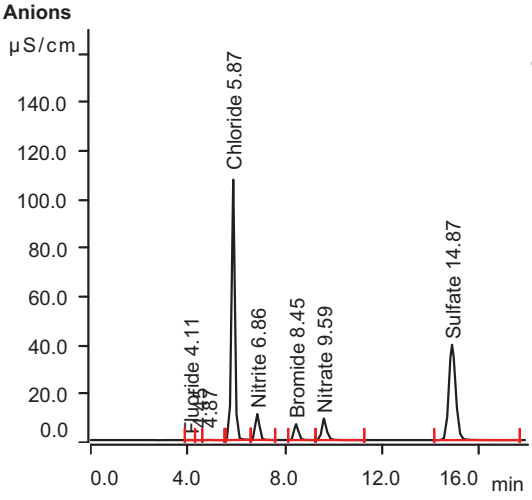


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0084	0.059	0.059
5.84	Chloride	0.0034	0.280	0.280
9.75	Nitrate	0.0006	0.050	0.050
13.14	Phosphate	0.0012	invalid	invalid
14.92	Sulfate	0.0031	0.012	0.012

Sample data

Ident B1F
Sample type . . . . . Sample
Determination start 2022-09-04 16:36:46
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0040	0.051	0.051
5.87	Chloride	17.1967	49.297	49.297
6.86	Nitrite	1.9772	2.460	2.460
8.45	Bromide	1.3221	9.473	9.473
9.59	Nitrate	2.0483	2.456	2.456
14.87	Sulfate	12.7651	50.149	50.149

MagIC Net

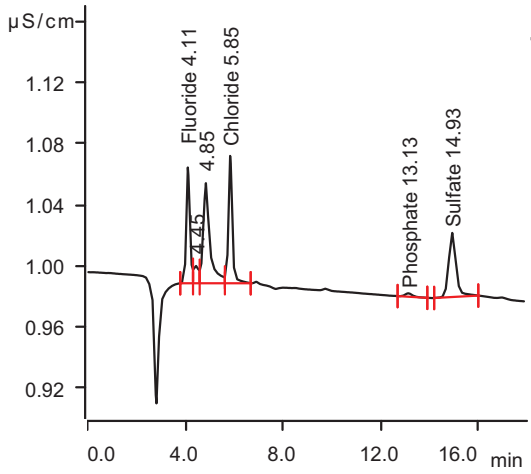
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98447-1
Sample type . . . . . Sample
Determination start 2022-09-04 16:57:51
Dilution factor 5.00

Anions

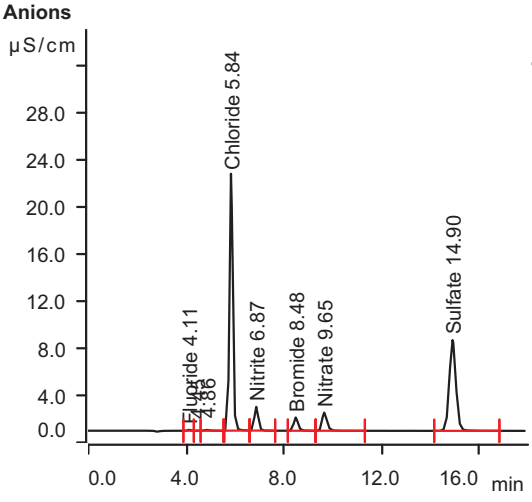


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0127	0.067	0.335
5.85	Chloride	0.0152	0.314	1.568
13.13	Phosphate	0.0008	invalid	invalid
14.93	Sulfate	0.0149	0.058	0.291

Sample data

Ident FA98447-1S1
Sample type . . . . . Sample
Determination start 2022-09-04 17:18:54
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0120	0.066	0.328
5.84	Chloride	3.3672	9.870	49.349
6.87	Nitrite	0.3638	0.478	2.392
8.48	Bromide	0.2325	1.754	8.769
9.65	Nitrate	0.3566	0.469	2.343
14.90	Sulfate	2.4286	9.541	47.703

MagIC Net

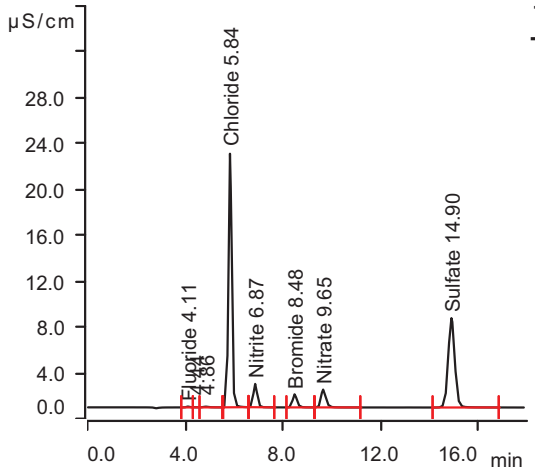
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98447-1S2
Sample type . . . . . Sample
Determination start 2022-09-04 17:39:59
Dilution factor 5.00

Anions

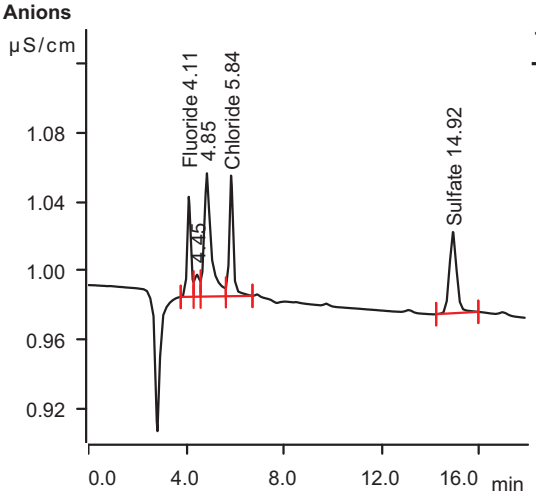


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0120	0.066	0.328
5.84	Chloride	3.4169	10.012	50.058
6.87	Nitrite	0.3669	0.482	2.411
8.48	Bromide	0.2352	1.773	8.867
9.65	Nitrate	0.3593	0.472	2.358
14.90	Sulfate	2.4582	9.657	48.285

Sample data

Ident FA98447-2
Sample type . . . . . Sample
Determination start 2022-09-04 18:01:03
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0098	0.062	0.308
5.84	Chloride	0.0133	0.308	1.540
14.92	Sulfate	0.0163	0.064	0.319

MagIC Net

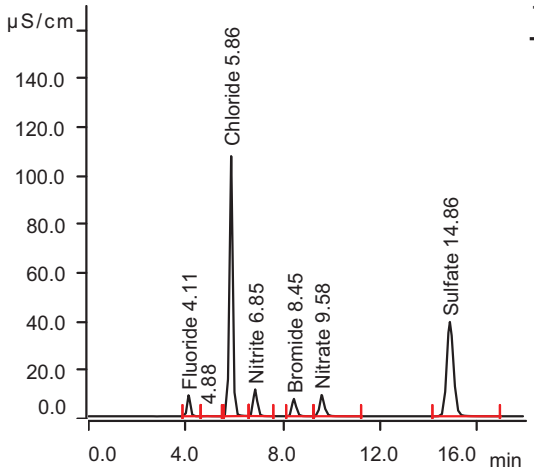
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-04 18:22:06
Dilution factor 1.00

Anions

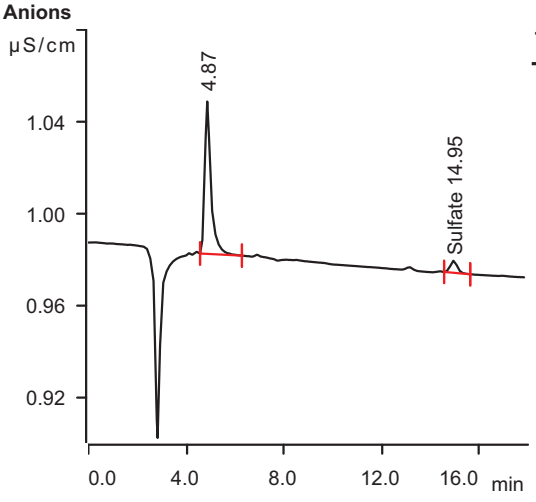


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.3125	2.504	2.504
5.86	Chloride	17.1660	49.209	49.209
6.85	Nitrite	2.0361	2.533	2.533
8.45	Bromide	1.4410	10.315	10.315
9.58	Nitrate	2.0134	2.415	2.415
14.86	Sulfate	12.6220	49.587	49.587

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-04 18:43:14
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
14.95	Sulfate	0.0017	0.007	0.007

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Bhate Environmental

Griffiss AFB; Rome, NY

GRFIS-BECOS

SGS Job Number: FA98517

Sampling Date: 08/29/22



Report to:

Bhate Environmental
1608 13th Ave S Suite 300
Birmingham, AL 35205
dbadio@bhate.com

ATTN: David Badio

Total number of pages in report: **644**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Ariel Hartney 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

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EHS.US.CustomerCare@sgs.com

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SGS North America Inc.

Sample Summary

Bhate Environmental

Job No: FA98517

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA98517-1	08/29/22	11:20	BP	08/30/22	AQ	Ground Water	LF6MW-16-0822
FA98517-1F	08/29/22	11:20	BP	08/30/22	AQ	Groundwater Filtered	LF6MW-16-0822
FA98517-2	08/29/22	13:35	BP	08/30/22	AQ	Ground Water	LF6MW-17-0822
FA98517-2F	08/29/22	13:35	BP	08/30/22	AQ	Groundwater Filtered	LF6MW-17-0822
FA98517-3	08/29/22	12:35	BP	08/30/22	AQ	Ground Water	LF6MW-20-0822
FA98517-3F	08/29/22	12:35	BP	08/30/22	AQ	Groundwater Filtered	LF6MW-20-0822
FA98517-4	08/29/22	09:50	BP	08/30/22	AQ	Ground Water	WL-LF6TW-33-0822
FA98517-4D	08/29/22	09:50	BP	08/30/22	AQ	Water Dup/MSD	WL-LF6TW-33-0822
FA98517-4DF	08/29/22	09:50	BP	08/30/22	AQ	Water Dup/MSD	WL-LF6TW-33-0822
FA98517-4F	08/29/22	09:50	BP	08/30/22	AQ	Groundwater Filtered	WL-LF6TW-33-0822
FA98517-4S	08/29/22	09:50	BP	08/30/22	AQ	Water Matrix Spike	WL-LF6TW-33-0822
FA98517-4SF	08/29/22	09:50	BP	08/30/22	AQ	Water Matrix Spike	WL-LF6TW-33-0822
FA98517-5	08/29/22	14:35	BP	08/30/22	AQ	Ground Water	WL-LF6TW-34-0822

Sample Summary
(continued)

Bhate Environmental

Job No: FA98517

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
FA98517-5F	08/29/22	14:35	BP	08/30/22	AQ	Groundwater Filtered	WL-LF6TW-34-0822
FA98517-6	08/29/22	07:30	BP	08/30/22	AQ	Trip Blank Water	LF6-TB02-0822-C
FA98517-7	08/29/22	11:20	BP	08/30/22	AQ	Ground Water	LF6MW-16-0822
FA98517-7F	08/29/22	11:20	BP	08/30/22	AQ	Groundwater Filtered	LF6MW-16-0822

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental **Job No:** FA98517

Site: Griffiss AFB; Rome, NY **Report Date:** 9/16/2022 1:04:32 PM

On 08/30/2022, 5 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 4.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FA98517 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** VI2691

Sample(s) FA98602-3MS, FA98602-3MSD were used as the QC samples indicated.

FA98517-4: Sample re-analyzed beyond hold time.
VI2691-MB: Sample was treated with an anti-foaming agent.

Matrix: AQ **Batch ID:** VY2680

Sample(s) FA98517-4MS, FA98517-4MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Methyl Bromide are outside control limits. Probable cause is due to matrix interference.

Matrix Spike/Matrix Spike Duplicate Recovery(s) for Trichloroethylene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

RPD(s) for MSD for Methyl Bromide are outside control limits for sample FA98517-4MSD. Probable cause is due to sample non-homogeneity.

FA98517-1: Sample vial(s) contained bubbles greater than 6mm.

GC Volatiles By Method RSKSOP-147/175

Matrix: AQ **Batch ID:** G1R347

Sample(s) FA98517-4DUP, FA98517-4MS were used as the QC samples indicated.

General Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP38013

Sample(s) FA98517-4MSD, FA98517-4MS were used as the QC samples for Sulfate.

Matrix Spike Recovery(s) for Sulfate are outside control limits. Spike recovery indicates possible matrix interference.

General Chemistry By Method SM5310 B-11/SW9060A

Matrix: AQ **Batch ID:** GP38004

Sample(s) FA98517-4MS, FA98517-4MSD were used as the QC samples for Total Organic Carbon.

FA98517-1 for Total Organic Carbon: Sample was not preserved to a pH < 2.
FA98517-2 for Total Organic Carbon: Sample was not preserved to a pH < 2.
FA98517-3 for Total Organic Carbon: Sample was not preserved to a pH < 2.
FA98517-4 for Total Organic Carbon: Sample was not preserved to a pH < 2.
FA98517-5 for Total Organic Carbon: Sample was not preserved to a pH < 2.

FA98517-7 for Total Organic Carbon: Sample was not preserved to a pH < 2.

Matrix: AQ **Batch ID:** GP38021

Sample(s) FA98517-4FMS, FA98517-4FMSD were used as the QC samples for Dissolved Organic Carbon.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA98517
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/29/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA98517-1	**LF6MW-16-0822**					
cis-1,2-Dichloroethylene [a]		205	5.0	2.5	ug/l	SW846 8260D
trans-1,2-Dichloroethylene [a]		5.0	5.0	2.5	ug/l	SW846 8260D
1,2-Dichloroethene (total) [a]		210	10	5.0	ug/l	SW846 8260D
Trichloroethylene [a]		8.0	5.0	2.5	ug/l	SW846 8260D
Vinyl Chloride [a]		5.9	5.0	2.5	ug/l	SW846 8260D
Methane		143	0.50	0.25	ug/l	RSKSOP-147/175
Sulfate		14.6	10	5.0	mg/l	EPA 300/SW846 9056A
Total Organic Carbon [b]		1.5 J	2.0	1.0	mg/l	SM5310 B-11/SW9060A
FA98517-1F	**LF6MW-16-0822**					
Dissolved Organic Carbon		1.9	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98517-2	**LF6MW-17-0822**					
cis-1,2-Dichloroethylene		30.8	1.0	0.50	ug/l	SW846 8260D
trans-1,2-Dichloroethylene		5.0	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		35.8	2.0	1.0	ug/l	SW846 8260D
Trichloroethylene		4.2	1.0	0.50	ug/l	SW846 8260D
Vinyl Chloride		0.78 J	1.0	0.50	ug/l	SW846 8260D
Methane		888	0.50	0.25	ug/l	RSKSOP-147/175
Sulfate		25.5	10	5.0	mg/l	EPA 300/SW846 9056A
Total Organic Carbon [b]		1.7 J	2.0	1.0	mg/l	SM5310 B-11/SW9060A
FA98517-2F	**LF6MW-17-0822**					
Dissolved Organic Carbon		2.1	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98517-3	**LF6MW-20-0822**					
cis-1,2-Dichloroethylene		82.9	1.0	0.50	ug/l	SW846 8260D
trans-1,2-Dichloroethylene		3.3	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		86.2	2.0	1.0	ug/l	SW846 8260D
Trichloroethylene		0.65 J	1.0	0.50	ug/l	SW846 8260D
Vinyl Chloride		2.4	1.0	0.50	ug/l	SW846 8260D
Methane		1040	1.0	0.50	ug/l	RSKSOP-147/175
Sulfate		20.0	10	5.0	mg/l	EPA 300/SW846 9056A
Total Organic Carbon [b]		1.1 J	2.0	1.0	mg/l	SM5310 B-11/SW9060A
FA98517-3F	**LF6MW-20-0822**					
Dissolved Organic Carbon		1.6	1.0	0.50	mg/l	SM5310 B-11/SW9060A

Summary of Hits

Job Number: FA98517
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/29/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA98517-4	**WL-LF6TW-33-0822**					
cis-1,2-Dichloroethylene		52.1	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		52.1	2.0	1.0	ug/l	SW846 8260D
Trichloroethylene [c]		92.6	2.0	1.0	ug/l	SW846 8260D
Methane		5400	5.0	2.5	ug/l	RSKSOP-147/175
Sulfate		20.3	10	5.0	mg/l	EPA 300/SW846 9056A
Total Organic Carbon [b]		1.7 J	2.0	1.0	mg/l	SM5310 B-11/SW9060A
FA98517-4F	**WL-LF6TW-33-0822**					
Dissolved Organic Carbon		1.9	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98517-5	**WL-LF6TW-34-0822**					
cis-1,2-Dichloroethylene		83.1	1.0	0.50	ug/l	SW846 8260D
trans-1,2-Dichloroethylene		7.5	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		90.6	2.0	1.0	ug/l	SW846 8260D
Trichloroethylene		10.7	1.0	0.50	ug/l	SW846 8260D
Methane		7.6	0.50	0.25	ug/l	RSKSOP-147/175
Sulfate		30.0	10	5.0	mg/l	EPA 300/SW846 9056A
Total Organic Carbon [b]		1.8 J	2.0	1.0	mg/l	SM5310 B-11/SW9060A
FA98517-5F	**WL-LF6TW-34-0822**					
Dissolved Organic Carbon		2.2	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98517-6	**LF6-TB02-0822-C**					
No hits reported in this sample.						
FA98517-7	**LF6MW-16-0822**					
cis-1,2-Dichloroethylene		204	5.0	2.5	ug/l	SW846 8260D
trans-1,2-Dichloroethylene		6.7	5.0	2.5	ug/l	SW846 8260D
1,2-Dichloroethene (total)		210	10	5.0	ug/l	SW846 8260D
Trichloroethylene		25.5	5.0	2.5	ug/l	SW846 8260D
Vinyl Chloride		6.4	5.0	2.5	ug/l	SW846 8260D
Methane		9430	10	5.0	ug/l	RSKSOP-147/175
Sulfate		15.6	10	5.0	mg/l	EPA 300/SW846 9056A
Total Organic Carbon [b]		1.5 J	2.0	1.0	mg/l	SM5310 B-11/SW9060A
FA98517-7F	**LF6MW-16-0822**					
Dissolved Organic Carbon		1.8	1.0	0.50	mg/l	SM5310 B-11/SW9060A

Summary of Hits

Job Number: FA98517
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/29/22

Lab Sample ID	Client Sample ID	Result/				
Analyte		Qual	LOQ	LOD	Units	Method

(a) Sample vial(s) contained bubbles greater than 6mm.
(b) Sample was not preserved to a pH < 2.
(c) Sample re-analyzed beyond hold time.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	LF6MW-16-0822		
Lab Sample ID:	FA98517-1	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	Y64631.D	5	09/10/22 18:47	AL	n/a	n/a	VY2680
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	100 U	130	100	50	ug/l	
71-43-2	Benzene	2.5 U	5.0	2.5	1.6	ug/l	
108-86-1	Bromobenzene	2.5 U	5.0	2.5	1.8	ug/l	
74-97-5	Bromochloromethane	2.5 U	5.0	2.5	2.3	ug/l	
75-27-4	Bromodichloromethane	2.5 U	5.0	2.5	1.2	ug/l	
75-25-2	Bromoform	2.5 U	5.0	2.5	2.0	ug/l	
78-93-3	2-Butanone (MEK)	18 U	25	18	10	ug/l	
104-51-8	n-Butylbenzene	2.5 U	5.0	2.5	1.2	ug/l	
135-98-8	sec-Butylbenzene	2.5 U	5.0	2.5	1.2	ug/l	
98-06-6	tert-Butylbenzene	2.5 U	5.0	2.5	1.6	ug/l	
75-15-0	Carbon Disulfide	5.0 U	10	5.0	2.7	ug/l	
56-23-5	Carbon Tetrachloride	2.5 U	5.0	2.5	1.8	ug/l	
108-90-7	Chlorobenzene	2.5 U	5.0	2.5	1.0	ug/l	
75-00-3	Chloroethane	5.0 U	10	5.0	3.3	ug/l	
67-66-3	Chloroform	2.5 U	5.0	2.5	1.5	ug/l	
95-49-8	o-Chlorotoluene	2.5 U	5.0	2.5	1.1	ug/l	
106-43-4	p-Chlorotoluene	2.5 U	5.0	2.5	1.5	ug/l	
124-48-1	Dibromochloromethane	2.5 U	5.0	2.5	1.4	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	10 U	25	10	5.2	ug/l	
106-93-4	1,2-Dibromoethane	5.0 U	10	5.0	1.4	ug/l	
75-71-8	Dichlorodifluoromethane	5.0 U	10	5.0	2.5	ug/l	
95-50-1	1,2-Dichlorobenzene	2.5 U	5.0	2.5	1.6	ug/l	
541-73-1	1,3-Dichlorobenzene	2.5 U	5.0	2.5	1.1	ug/l	
106-46-7	1,4-Dichlorobenzene	2.5 U	5.0	2.5	1.3	ug/l	
75-34-3	1,1-Dichloroethane	2.5 U	5.0	2.5	1.7	ug/l	
107-06-2	1,2-Dichloroethane	2.5 U	5.0	2.5	1.6	ug/l	
75-35-4	1,1-Dichloroethylene	2.5 U	5.0	2.5	1.6	ug/l	
156-59-2	cis-1,2-Dichloroethylene	205	5.0	2.5	1.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	5.0	5.0	2.5	1.1	ug/l	
540-59-0	1,2-Dichloroethene (total)	210	10	5.0	2.5	ug/l	
78-87-5	1,2-Dichloropropane	2.5 U	5.0	2.5	2.1	ug/l	
142-28-9	1,3-Dichloropropane	2.5 U	5.0	2.5	1.5	ug/l	

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

Report of Analysis

Client Sample ID:	LF6MW-16-0822		
Lab Sample ID:	FA98517-1	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	2.5 U	5.0	2.5	1.2	ug/l	
563-58-6	1,1-Dichloropropene	2.5 U	5.0	2.5	1.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	2.5 U	5.0	2.5	1.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	2.5 U	5.0	2.5	1.1	ug/l	
100-41-4	Ethylbenzene	2.5 U	5.0	2.5	1.8	ug/l	
87-68-3	Hexachlorobutadiene	5.0 U	10	5.0	1.5	ug/l	
591-78-6	2-Hexanone	25 U	50	25	10	ug/l	
98-82-8	Isopropylbenzene	2.5 U	5.0	2.5	1.1	ug/l	
99-87-6	p-Isopropyltoluene	2.5 U	5.0	2.5	1.1	ug/l	
74-83-9	Methyl Bromide	20 U	25	20	10	ug/l	
74-87-3	Methyl Chloride	5.0 U	10	5.0	2.5	ug/l	
74-95-3	Methylene Bromide	2.5 U	10	2.5	1.8	ug/l	
75-09-2	Methylene Chloride	20 U	25	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	10 U	25	10	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.5 U	5.0	2.5	1.1	ug/l	
91-20-3	Naphthalene	10 U	25	10	5.0	ug/l	
103-65-1	n-Propylbenzene	2.5 U	5.0	2.5	1.4	ug/l	
100-42-5	Styrene	2.5 U	5.0	2.5	1.1	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	2.5 U	5.0	2.5	1.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	2.5 U	5.0	2.5	1.5	ug/l	
127-18-4	Tetrachloroethylene	2.5 U	5.0	2.5	1.1	ug/l	
108-88-3	Toluene	2.5 U	5.0	2.5	1.5	ug/l	
87-61-6	1,2,3-Trichlorobenzene	5.0 U	10	5.0	3.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	5.0 U	10	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	2.5 U	5.0	2.5	1.2	ug/l	
79-00-5	1,1,2-Trichloroethane	2.5 U	5.0	2.5	2.3	ug/l	
79-01-6	Trichloroethylene	8.0	5.0	2.5	1.7	ug/l	
75-69-4	Trichlorofluoromethane	5.0 U	10	5.0	2.5	ug/l	
96-18-4	1,2,3-Trichloropropane	5.0 U	10	5.0	3.2	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2.5 U	5.0	2.5	1.6	ug/l	
108-67-8	1,3,5-Trimethylbenzene	2.5 U	5.0	2.5	1.4	ug/l	
108-05-4	Vinyl Acetate	25 U	50	25	10	ug/l	
75-01-4	Vinyl Chloride	5.9	5.0	2.5	2.0	ug/l	
	m,p-Xylene	5.0 U	10	5.0	2.3	ug/l	
95-47-6	o-Xylene	2.5 U	5.0	2.5	1.3	ug/l	
1330-20-7	Xylene (total)	7.5 U	15	7.5	3.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%

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

Report of Analysis

Client Sample ID:	LF6MW-16-0822		
Lab Sample ID:	FA98517-1	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	105%		83-118%

(a) Sample vial(s) contained bubbles greater than 6mm.

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

SGS North America Inc.

Report of Analysis

Client Sample ID: LF6MW-16-0822
Lab Sample ID: FA98517-1
Matrix: AQ - Ground Water
Method: RSKSOP-147/175
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/29/22
Date Received: 08/30/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R9285.D	1	09/01/22 09:58	TD	n/a	n/a	G1R347
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	143	0.50	0.25	0.16	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LF6MW-16-0822		
Lab Sample ID:	FA98517-1	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	14.6	10	5.0	3.0	mg/l	5	09/04/22 11:43	JB	EPA 300/SW846 9056A
Total Organic Carbon [a]	1.5 J	2.0	1.0	0.54	mg/l	1	09/06/22 12:52	FN	SM5310 B-11/SW9060A

(a) Sample was not preserved to a pH < 2.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	LF6MW-16-0822		
Lab Sample ID:	FA98517-1F	**Date Sampled:**	08/29/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/30/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	1.9	1.0	0.50	0.27	mg/l	1	09/08/22 17:00	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	LF6MW-17-0822		
Lab Sample ID:	FA98517-2	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y64621.D	1	09/10/22 14:40	AL	n/a	n/a	VY2680
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	30.8	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	5.0	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	35.8	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID: LF6MW-17-0822
Lab Sample ID: FA98517-2
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/29/22
Date Received: 08/30/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	4.2	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.78	1.0	0.50	0.41	ug/l	J
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LF6MW-17-0822		
Lab Sample ID:	FA98517-2	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID: LF6MW-17-0822
Lab Sample ID: FA98517-2
Matrix: AQ - Ground Water
Method: RSKSOP-147/175
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/29/22
Date Received: 08/30/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R9286.D	1	09/01/22 10:10	TD	n/a	n/a	G1R347
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	888	0.50	0.25	0.16	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LF6MW-17-0822		
Lab Sample ID:	FA98517-2	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	25.5	10	5.0	3.0	mg/l	5	09/04/22 12:04	JB	EPA 300/SW846 9056A
Total Organic Carbon [a]	1.7 J	2.0	1.0	0.54	mg/l	1	09/06/22 13:15	FN	SM5310 B-11/SW9060A

(a) Sample was not preserved to a pH < 2.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	LF6MW-17-0822		
Lab Sample ID:	FA98517-2F	**Date Sampled:**	08/29/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/30/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	2.1	1.0	0.50	0.27	mg/l	1	09/08/22 17:21	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	LF6MW-20-0822		
Lab Sample ID:	FA98517-3	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y64622.D	1	09/10/22 15:05	AL	n/a	n/a	VY2680
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	82.9	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	3.3	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	86.2	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID: LF6MW-20-0822
Lab Sample ID: FA98517-3
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/29/22
Date Received: 08/30/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.65	1.0	0.50	0.35	ug/l	J
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	2.4	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		83-118%

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

Report of Analysis

Client Sample ID:	LF6MW-20-0822		
Lab Sample ID:	FA98517-3	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	103%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	LF6MW-20-0822		
Lab Sample ID:	FA98517-3	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R9287.D	1	09/01/22 10:19	TD	n/a	n/a	G1R347
Run #2	1R9313.D	2	09/01/22 14:13	TD	n/a	n/a	G1R347

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2	38.0 ml	5.0 ml	500 ul	20 Deg. C

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	1040 [a]	1.0	0.50	0.32	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

(a) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	LF6MW-20-0822		
Lab Sample ID:	FA98517-3	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	20.0	10	5.0	3.0	mg/l	5	09/04/22 12:25	JB	EPA 300/SW846 9056A
Total Organic Carbon [a]	1.1 J	2.0	1.0	0.54	mg/l	1	09/06/22 13:38	FN	SM5310 B-11/SW9060A

(a) Sample was not preserved to a pH < 2.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	LF6MW-20-0822		
Lab Sample ID:	FA98517-3F	**Date Sampled:**	08/29/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/30/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	1.6	1.0	0.50	0.27	mg/l	1	09/08/22 17:43	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID: WL-LF6TW-33-0822
Lab Sample ID: FA98517-4
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/29/22
Date Received: 08/30/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y64623.D	1	09/10/22 15:30	AL	n/a	n/a	VY2680
Run #2 [a]	I751292.D	2	09/14/22 18:19	JL	n/a	n/a	VI2691

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	52.1	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	52.1	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	WL-LF6TW-33-0822		
Lab Sample ID:	FA98517-4	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	92.6 [b]	2.0	1.0	0.69	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	100%	83-118%

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

Report of Analysis

Client Sample ID:	WL-LF6TW-33-0822		
Lab Sample ID:	FA98517-4	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%	98%	79-125%
2037-26-5	Toluene-D8	100%	96%	85-112%
460-00-4	4-Bromofluorobenzene	100%	99%	83-118%

(a) Sample re-analyzed beyond hold time.
(b) Result is from Run# 2

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	WL-LF6TW-33-0822		
Lab Sample ID:	FA98517-4	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R9290.D	1	09/01/22 10:44	TD	n/a	n/a	G1R347
Run #2	1R9307.D	10	09/01/22 13:20	TD	n/a	n/a	G1R347

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2	38.0 ml	5.0 ml	500 ul	20 Deg. C

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	5400 [a]	5.0	2.5	1.6	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

(a) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	WL-LF6TW-33-0822		
Lab Sample ID:	FA98517-4	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	20.3	10	5.0	3.0	mg/l	5	09/04/22 12:46	JB	EPA 300/SW846 9056A
Total Organic Carbon [a]	1.7 J	2.0	1.0	0.54	mg/l	1	09/06/22 13:59	FN	SM5310 B-11/SW9060A

(a) Sample was not preserved to a pH < 2.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	WL-LF6TW-33-0822		
Lab Sample ID:	FA98517-4F	**Date Sampled:**	08/29/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/30/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	1.9	1.0	0.50	0.27	mg/l	1	09/08/22 18:06	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	WL-LF6TW-34-0822		
Lab Sample ID:	FA98517-5	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y64624.D	1	09/10/22 15:54	AL	n/a	n/a	VY2680
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	83.1	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	7.5	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	90.6	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	WL-LF6TW-34-0822		
Lab Sample ID:	FA98517-5	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	10.7	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		83-118%

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

Report of Analysis

Client Sample ID:	WL-LF6TW-34-0822		
Lab Sample ID:	FA98517-5	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	103%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID: WL-LF6TW-34-0822
Lab Sample ID: FA98517-5
Matrix: AQ - Ground Water
Method: RSKSOP-147/175
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/29/22
Date Received: 08/30/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R9314.D	1	09/01/22 14:20	TD	n/a	n/a	G1R347
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	7.6	0.50	0.25	0.16	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WL-LF6TW-34-0822		
Lab Sample ID:	FA98517-5	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	30.0	10	5.0	3.0	mg/l	5	09/04/22 13:48	JB	EPA 300/SW846 9056A
Total Organic Carbon [a]	1.8 J	2.0	1.0	0.54	mg/l	1	09/06/22 15:09	FN	SM5310 B-11/SW9060A

(a) Sample was not preserved to a pH < 2.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	WL-LF6TW-34-0822		
Lab Sample ID:	FA98517-5F	**Date Sampled:**	08/29/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/30/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	2.2	1.0	0.50	0.27	mg/l	1	09/08/22 19:16	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID: LF6-TB02-0822-C
Lab Sample ID: FA98517-6
Matrix: AQ - Trip Blank Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/29/22
Date Received: 08/30/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y64617.D	1	09/10/22 13:01	AL	n/a	n/a	VY2680
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LF6-TB02-0822-C
Lab Sample ID: FA98517-6
Matrix: AQ - Trip Blank Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/29/22
Date Received: 08/30/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%

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

Report of Analysis

Client Sample ID:	LF6-TB02-0822-C		
Lab Sample ID:	FA98517-6	**Date Sampled:**	08/29/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/30/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	105%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	LF6MW-16-0822		
Lab Sample ID:	FA98517-7	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y64632.D	5	09/10/22 19:12	AL	n/a	n/a	VY2680
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	100 U	130	100	50	ug/l	
71-43-2	Benzene	2.5 U	5.0	2.5	1.6	ug/l	
108-86-1	Bromobenzene	2.5 U	5.0	2.5	1.8	ug/l	
74-97-5	Bromochloromethane	2.5 U	5.0	2.5	2.3	ug/l	
75-27-4	Bromodichloromethane	2.5 U	5.0	2.5	1.2	ug/l	
75-25-2	Bromoform	2.5 U	5.0	2.5	2.0	ug/l	
78-93-3	2-Butanone (MEK)	18 U	25	18	10	ug/l	
104-51-8	n-Butylbenzene	2.5 U	5.0	2.5	1.2	ug/l	
135-98-8	sec-Butylbenzene	2.5 U	5.0	2.5	1.2	ug/l	
98-06-6	tert-Butylbenzene	2.5 U	5.0	2.5	1.6	ug/l	
75-15-0	Carbon Disulfide	5.0 U	10	5.0	2.7	ug/l	
56-23-5	Carbon Tetrachloride	2.5 U	5.0	2.5	1.8	ug/l	
108-90-7	Chlorobenzene	2.5 U	5.0	2.5	1.0	ug/l	
75-00-3	Chloroethane	5.0 U	10	5.0	3.3	ug/l	
67-66-3	Chloroform	2.5 U	5.0	2.5	1.5	ug/l	
95-49-8	o-Chlorotoluene	2.5 U	5.0	2.5	1.1	ug/l	
106-43-4	p-Chlorotoluene	2.5 U	5.0	2.5	1.5	ug/l	
124-48-1	Dibromochloromethane	2.5 U	5.0	2.5	1.4	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	10 U	25	10	5.2	ug/l	
106-93-4	1,2-Dibromoethane	5.0 U	10	5.0	1.4	ug/l	
75-71-8	Dichlorodifluoromethane	5.0 U	10	5.0	2.5	ug/l	
95-50-1	1,2-Dichlorobenzene	2.5 U	5.0	2.5	1.6	ug/l	
541-73-1	1,3-Dichlorobenzene	2.5 U	5.0	2.5	1.1	ug/l	
106-46-7	1,4-Dichlorobenzene	2.5 U	5.0	2.5	1.3	ug/l	
75-34-3	1,1-Dichloroethane	2.5 U	5.0	2.5	1.7	ug/l	
107-06-2	1,2-Dichloroethane	2.5 U	5.0	2.5	1.6	ug/l	
75-35-4	1,1-Dichloroethylene	2.5 U	5.0	2.5	1.6	ug/l	
156-59-2	cis-1,2-Dichloroethylene	204	5.0	2.5	1.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	6.7	5.0	2.5	1.1	ug/l	
540-59-0	1,2-Dichloroethene (total)	210	10	5.0	2.5	ug/l	
78-87-5	1,2-Dichloropropane	2.5 U	5.0	2.5	2.1	ug/l	
142-28-9	1,3-Dichloropropane	2.5 U	5.0	2.5	1.5	ug/l	

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

Report of Analysis

Client Sample ID:	LF6MW-16-0822		
Lab Sample ID:	FA98517-7	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	2.5 U	5.0	2.5	1.2	ug/l	
563-58-6	1,1-Dichloropropene	2.5 U	5.0	2.5	1.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	2.5 U	5.0	2.5	1.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	2.5 U	5.0	2.5	1.1	ug/l	
100-41-4	Ethylbenzene	2.5 U	5.0	2.5	1.8	ug/l	
87-68-3	Hexachlorobutadiene	5.0 U	10	5.0	1.5	ug/l	
591-78-6	2-Hexanone	25 U	50	25	10	ug/l	
98-82-8	Isopropylbenzene	2.5 U	5.0	2.5	1.1	ug/l	
99-87-6	p-Isopropyltoluene	2.5 U	5.0	2.5	1.1	ug/l	
74-83-9	Methyl Bromide	20 U	25	20	10	ug/l	
74-87-3	Methyl Chloride	5.0 U	10	5.0	2.5	ug/l	
74-95-3	Methylene Bromide	2.5 U	10	2.5	1.8	ug/l	
75-09-2	Methylene Chloride	20 U	25	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	10 U	25	10	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.5 U	5.0	2.5	1.1	ug/l	
91-20-3	Naphthalene	10 U	25	10	5.0	ug/l	
103-65-1	n-Propylbenzene	2.5 U	5.0	2.5	1.4	ug/l	
100-42-5	Styrene	2.5 U	5.0	2.5	1.1	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	2.5 U	5.0	2.5	1.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	2.5 U	5.0	2.5	1.5	ug/l	
127-18-4	Tetrachloroethylene	2.5 U	5.0	2.5	1.1	ug/l	
108-88-3	Toluene	2.5 U	5.0	2.5	1.5	ug/l	
87-61-6	1,2,3-Trichlorobenzene	5.0 U	10	5.0	3.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	5.0 U	10	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	2.5 U	5.0	2.5	1.2	ug/l	
79-00-5	1,1,2-Trichloroethane	2.5 U	5.0	2.5	2.3	ug/l	
79-01-6	Trichloroethylene	25.5	5.0	2.5	1.7	ug/l	
75-69-4	Trichlorofluoromethane	5.0 U	10	5.0	2.5	ug/l	
96-18-4	1,2,3-Trichloropropane	5.0 U	10	5.0	3.2	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2.5 U	5.0	2.5	1.6	ug/l	
108-67-8	1,3,5-Trimethylbenzene	2.5 U	5.0	2.5	1.4	ug/l	
108-05-4	Vinyl Acetate	25 U	50	25	10	ug/l	
75-01-4	Vinyl Chloride	6.4	5.0	2.5	2.0	ug/l	
	m,p-Xylene	5.0 U	10	5.0	2.3	ug/l	
95-47-6	o-Xylene	2.5 U	5.0	2.5	1.3	ug/l	
1330-20-7	Xylene (total)	7.5 U	15	7.5	3.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%

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

Report of Analysis

Client Sample ID:	LF6MW-16-0822		
Lab Sample ID:	FA98517-7	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	103%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	LF6MW-16-0822		
Lab Sample ID:	FA98517-7	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R9292.D	1	09/01/22 11:02	TD	n/a	n/a	G1R347
Run #2	1R9315.D	20	09/01/22 14:28	TD	n/a	n/a	G1R347

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2	38.0 ml	5.0 ml	500 ul	20 Deg. C

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	9430 [a]	10	5.0	3.2	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

(a) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	LF6MW-16-0822		
Lab Sample ID:	FA98517-7	**Date Sampled:**	08/29/22
Matrix:	AQ - Ground Water	**Date Received:**	08/30/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	15.6	10	5.0	3.0	mg/l	5	09/04/22 14:09	JB	EPA 300/SW846 9056A
Total Organic Carbon [a]	1.5 J	2.0	1.0	0.54	mg/l	1	09/06/22 15:31	FN	SM5310 B-11/SW9060A

(a) Sample was not preserved to a pH < 2.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	LF6MW-16-0822		
Lab Sample ID:	FA98517-7F	**Date Sampled:**	08/29/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/30/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon	1.8	1.0	0.50	0.27	mg/l	1	09/08/22 19:39	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

FA 98517

SGS North America Inc - Orlando
Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL: 407-425-6700 FAX: 407-425-0707
www.sgs.com

SGS - ORLANDO JOB # : PAGE 1 OF 1

SGS - ORLANDO Quote # | SKIFF #

Client / Reporting Information

Company Name: Shaw Environmental Associates, Inc
Address: 445 Union Boulevard Suite 129
City: Lakewood State: CO Zip: 80228
Project Contact: Frank Gardner Email:
Phone #: 720-463-3903
Sampler(s) Name(s) (Printed) Sampler 1: B. Pollard Sampler 2:

Project Information

Project Name: Griffiss Air Force Base, BECOS
Street
City State
Project # GRIFIS - BECOS
Fax #
Client Purchase Order #

Analytical Information

SGS Orlando Sample #	Field ID / Point of Collection	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NAOH+ZNA	DI WATER	MEOH	RSK175(A)	SW8260D(A)	SW8260 BP	SW9056A (A)	SW9060A (A)	LAB USE ONLY
1	LF6MW-16-0822	8/29/22	1120	BP	GW	9		1	8							3	3		1	2	
2	LF6MW-17-0822		1335		GW	9		1	8							3	3		1	2	
3	LF6MW-20-0822		1235		GW	9		1	8							3	3		1	2	
4	WL-LF6TW-33-0822		0950		GW	9		1	8							3	3		1	2	
5	WL-LF6TW-34-0822		1435		GW	9		1	8							3	3		1	2	
6	LF6-TB02-0822-C		0730		-	2		0	2							0	2		0	0	
4	WL-LF6TW-33-0822-MS		0950		GW	9		1	8							3	3		1	2	
4	WL-LF6TW-33-0822-SD		0950		GW	9		1	8							3	3		1	2	
7	LF6MW-16-0822-A		1120		GW	9		1	8							3	3		1	2	

BP

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid

Turnaround Time (Business days)

10 Day (Business) Approved By: / Date:
7 Day
5 Day
3 Day *RUSH*
2 Day *RUSH*
1 Day *RUSH*
Other
Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULLT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

BP
INITIAL ASSESSMENT
LABEL VERIFICATION

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

	Relinquished by Sampler/Affiliation	Date Time:	Received By/Affiliation	Relinquished By/Affiliation	Date Time:	Received By/Affiliation
1	B Pollard / ECC (Shaw)	8/29/22 1700	2 FedEx	3		4 8/30/22 0930
5	Relinquished by/Affiliation	Date Time:	6 Received By/Affiliation	7 Relinquished By/Affiliation	Date Time:	8 Received By/Affiliation

Lab Use Only : Cooler Temperature (s) Celsius (corrected): 4.0 1 Refr 1

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

ORLD-SMT-0001-03-FORM-COC (4).xls Rev 031318

FA98517: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: FA98517 **Client:** BHATE ENVIRONMENTAL ASSOCIATES, **Project:** GRIFFISS AFB, BECOS

Date / Time Received: 8/30/2022 9:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 2773 5470 4010

Therm ID: IR 1; **Therm CF:** 0.6; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (4.0);

Cooler Temps (Corrected) °C: Cooler 1: (4.6);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☑		☐	☐

	W	or	S	N/A
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☑		☐	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments REQUESTED ANALYSIS ON COC IS "SW9056A (A)", BUT NON PRESERVED BOTTLES WE RECEIVED ARE ONLY LABELED FOR "SO4" ANALYSIS.

FOR SAMPLE -1, ID: "LF6MW-16-0822", ALL SIX VIALS RECEIVED WITH HEADSPACE.
FOR SAMPLE -5, ID: "WL-LF6TW-34-0822", ONE VIAL RECEIVED WITH HEADSPACE.
FOR SAMPLE -7, ID: "LF6MW-16-0822-A", ALL SIX VIALS RECEIVED WITH HEADSPACE.

SM001
Rev. Date 05/24/17

Technician: SAMUELM Date: 8/30/2022 9:30:00 AM Reviewer: _____ Date: _____

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98517
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/29/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VI2691	SW846 8260D						
VI2691-BS	79-01-6	Trichloroethylene	BSP	REC	105	%	79-123
VI2691-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	80-119
VI2691-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	97	%	81-118
VI2691-BS	2037-26-5	Toluene-D8	BSP	SURR	100	%	89-112
VI2691-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	98	%	85-114
FA98602-3MS*	79-01-6	Trichloroethylene	MS	REC	118	%	79-123
FA98602-3MS*	1868-53-7	Dibromofluoromethane	MS	SURR	101	%	80-119
FA98602-3MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	102	%	81-118
FA98602-3MS*	2037-26-5	Toluene-D8	MS	SURR	97	%	89-112
FA98602-3MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	99	%	85-114
FA98602-3MSD*	79-01-6	Trichloroethylene	MSD	REC	92	%	79-123
FA98602-3MSD*	79-01-6	Trichloroethylene	MSD	RPD	9	%	20
FA98602-3MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	102	%	80-119
FA98602-3MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	102	%	81-118
FA98602-3MSD*	2037-26-5	Toluene-D8	MSD	SURR	96	%	89-112
FA98602-3MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	98	%	85-114
VI2691-MB	1868-53-7	Dibromofluoromethane	MB	SURR	99	%	80-119
VI2691-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	98	%	81-118
VI2691-MB	2037-26-5	Toluene-D8	MB	SURR	97	%	89-112
VI2691-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	102	%	85-114
FA98517-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	100	%	80-119
FA98517-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	98	%	81-118
FA98517-4	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FA98517-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
VY2680	SW846 8260D						
VY2680-BS	67-64-1	Acetone	BSP	REC	94	%	39-160
VY2680-BS	71-43-2	Benzene	BSP	REC	95	%	79-120
VY2680-BS	108-86-1	Bromobenzene	BSP	REC	93	%	80-120
VY2680-BS	74-97-5	Bromochloromethane	BSP	REC	95	%	78-123
VY2680-BS	75-27-4	Bromodichloromethane	BSP	REC	99	%	79-125
VY2680-BS	75-25-2	Bromoform	BSP	REC	101	%	66-130
VY2680-BS	78-93-3	2-Butanone (MEK)	BSP	REC	97	%	56-143
VY2680-BS	104-51-8	n-Butylbenzene	BSP	REC	102	%	75-128
VY2680-BS	135-98-8	sec-Butylbenzene	BSP	REC	113	%	77-126
VY2680-BS	98-06-6	tert-Butylbenzene	BSP	REC	103	%	78-124
VY2680-BS	75-15-0	Carbon Disulfide	BSP	REC	96	%	64-133
VY2680-BS	56-23-5	Carbon Tetrachloride	BSP	REC	103	%	72-136
VY2680-BS	108-90-7	Chlorobenzene	BSP	REC	95	%	82-118
VY2680-BS	75-00-3	Chloroethane	BSP	REC	94	%	60-138
VY2680-BS	67-66-3	Chloroform	BSP	REC	98	%	79-124

* Sample used for QC is not from job FA98517

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98517
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/29/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VY2680-BS	95-49-8	o-Chlorotoluene	BSP	REC	96	%	79-122
VY2680-BS	106-43-4	p-Chlorotoluene	BSP	REC	97	%	78-122
VY2680-BS	124-48-1	Dibromochloromethane	BSP	REC	98	%	74-126
VY2680-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	93	%	62-128
VY2680-BS	106-93-4	1,2-Dibromoethane	BSP	REC	97	%	77-121
VY2680-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	104	%	32-152
VY2680-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	96	%	80-119
VY2680-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	98	%	80-119
VY2680-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	93	%	79-118
VY2680-BS	75-34-3	1,1-Dichloroethane	BSP	REC	104	%	77-125
VY2680-BS	107-06-2	1,2-Dichloroethane	BSP	REC	96	%	73-128
VY2680-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	103	%	71-131
VY2680-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	96	%	78-123
VY2680-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	100	%	75-124
VY2680-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	98	%	79-121
VY2680-BS	78-87-5	1,2-Dichloropropane	BSP	REC	92	%	78-122
VY2680-BS	142-28-9	1,3-Dichloropropane	BSP	REC	89	%	80-119
VY2680-BS	594-20-7	2,2-Dichloropropane	BSP	REC	95	%	60-139
VY2680-BS	563-58-6	1,1-Dichloropropene	BSP	REC	102	%	79-125
VY2680-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	97	%	75-124
VY2680-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	106	%	73-127
VY2680-BS	100-41-4	Ethylbenzene	BSP	REC	96	%	79-121
VY2680-BS	87-68-3	Hexachlorobutadiene	BSP	REC	108	%	66-134
VY2680-BS	591-78-6	2-Hexanone	BSP	REC	97	%	57-139
VY2680-BS	98-82-8	Isopropylbenzene	BSP	REC	103	%	72-131
VY2680-BS	99-87-6	p-Isopropyltoluene	BSP	REC	110	%	77-127
VY2680-BS	74-83-9	Methyl Bromide	BSP	REC	100	%	53-141
VY2680-BS	74-87-3	Methyl Chloride	BSP	REC	95	%	50-139
VY2680-BS	74-95-3	Methylene Bromide	BSP	REC	92	%	79-123
VY2680-BS	75-09-2	Methylene Chloride	BSP	REC	87	%	74-124
VY2680-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	91	%	67-130
VY2680-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	93	%	71-124
VY2680-BS	91-20-3	Naphthalene	BSP	REC	100	%	61-128
VY2680-BS	103-65-1	n-Propylbenzene	BSP	REC	102	%	76-126
VY2680-BS	100-42-5	Styrene	BSP	REC	105	%	78-123
VY2680-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	100	%	78-124
VY2680-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	93	%	71-121
VY2680-BS	127-18-4	Tetrachloroethylene	BSP	REC	104	%	74-129
VY2680-BS	108-88-3	Toluene	BSP	REC	94	%	80-121
VY2680-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	102	%	69-129
VY2680-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	99	%	69-130
VY2680-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	102	%	74-131
VY2680-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	94	%	80-119
VY2680-BS	79-01-6	Trichloroethylene	BSP	REC	104	%	79-123
VY2680-BS	75-69-4	Trichlorofluoromethane	BSP	REC	121	%	65-141

* Sample used for QC is not from job FA98517

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98517
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/29/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VY2680-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	88	%	73-122
VY2680-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	100	%	76-124
VY2680-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	99	%	75-124
VY2680-BS	108-05-4	Vinyl Acetate	BSP	REC	91	%	54-146
VY2680-BS	75-01-4	Vinyl Chloride	BSP	REC	100	%	58-137
VY2680-BS		m,p-Xylene	BSP	REC	98	%	80-121
VY2680-BS	95-47-6	o-Xylene	BSP	REC	99	%	78-122
VY2680-BS	1330-20-7	Xylene (total)	BSP	REC	98	%	79-121
VY2680-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	100	%	80-119
VY2680-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	97	%	81-118
VY2680-BS	2037-26-5	Toluene-D8	BSP	SURR	102	%	89-112
VY2680-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	102	%	85-114
FA98517-4MS	67-64-1	Acetone	MS	REC	86	%	39-160
FA98517-4MS	71-43-2	Benzene	MS	REC	88	%	79-120
FA98517-4MS	108-86-1	Bromobenzene	MS	REC	83	%	80-120
FA98517-4MS	74-97-5	Bromochloromethane	MS	REC	91	%	78-123
FA98517-4MS	75-27-4	Bromodichloromethane	MS	REC	90	%	79-125
FA98517-4MS	75-25-2	Bromoform	MS	REC	83	%	66-130
FA98517-4MS	78-93-3	2-Butanone (MEK)	MS	REC	87	%	56-143
FA98517-4MS	104-51-8	n-Butylbenzene	MS	REC	87	%	75-128
FA98517-4MS	135-98-8	sec-Butylbenzene	MS	REC	94	%	77-126
FA98517-4MS	98-06-6	tert-Butylbenzene	MS	REC	87	%	78-124
FA98517-4MS	75-15-0	Carbon Disulfide	MS	REC	82	%	64-133
FA98517-4MS	56-23-5	Carbon Tetrachloride	MS	REC	91	%	72-136
FA98517-4MS	108-90-7	Chlorobenzene	MS	REC	87	%	82-118
FA98517-4MS	75-00-3	Chloroethane	MS	REC	94	%	60-138
FA98517-4MS	67-66-3	Chloroform	MS	REC	89	%	79-124
FA98517-4MS	95-49-8	o-Chlorotoluene	MS	REC	82	%	79-122
FA98517-4MS	106-43-4	p-Chlorotoluene	MS	REC	86	%	78-122
FA98517-4MS	124-48-1	Dibromochloromethane	MS	REC	86	%	74-126
FA98517-4MS	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	80	%	62-128
FA98517-4MS	106-93-4	1,2-Dibromoethane	MS	REC	92	%	77-121
FA98517-4MS	75-71-8	Dichlorodifluoromethane	MS	REC	91	%	32-152
FA98517-4MS	95-50-1	1,2-Dichlorobenzene	MS	REC	87	%	80-119
FA98517-4MS	541-73-1	1,3-Dichlorobenzene	MS	REC	87	%	80-119
FA98517-4MS	106-46-7	1,4-Dichlorobenzene	MS	REC	86	%	79-118
FA98517-4MS	75-34-3	1,1-Dichloroethane	MS	REC	95	%	77-125
FA98517-4MS	107-06-2	1,2-Dichloroethane	MS	REC	88	%	73-128
FA98517-4MS	75-35-4	1,1-Dichloroethylene	MS	REC	94	%	71-131
FA98517-4MS	156-59-2	cis-1,2-Dichloroethylene	MS	REC	86	%	78-123
FA98517-4MS	156-60-5	trans-1,2-Dichloroethylene	MS	REC	92	%	75-124
FA98517-4MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	89	%	79-121
FA98517-4MS	78-87-5	1,2-Dichloropropane	MS	REC	86	%	78-122
FA98517-4MS	142-28-9	1,3-Dichloropropane	MS	REC	81	%	80-119
FA98517-4MS	594-20-7	2,2-Dichloropropane	MS	REC	77	%	60-139

* Sample used for QC is not from job FA98517

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98517
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/29/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98517-4MS	563-58-6	1,1-Dichloropropene	MS	REC	88	%	79-125
FA98517-4MS	10061-01-5	cis-1,3-Dichloropropene	MS	REC	81	%	75-124
FA98517-4MS	10061-02-6	trans-1,3-Dichloropropene	MS	REC	91	%	73-127
FA98517-4MS	100-41-4	Ethylbenzene	MS	REC	86	%	79-121
FA98517-4MS	87-68-3	Hexachlorobutadiene	MS	REC	82	%	66-134
FA98517-4MS	591-78-6	2-Hexanone	MS	REC	91	%	57-139
FA98517-4MS	98-82-8	Isopropylbenzene	MS	REC	93	%	72-131
FA98517-4MS	99-87-6	p-Isopropyltoluene	MS	REC	91	%	77-127
FA98517-4MS	74-83-9	Methyl Bromide	MS	REC	45	%	53-141
FA98517-4MS	74-87-3	Methyl Chloride	MS	REC	86	%	50-139
FA98517-4MS	74-95-3	Methylene Bromide	MS	REC	82	%	79-123
FA98517-4MS	75-09-2	Methylene Chloride	MS	REC	76	%	74-124
FA98517-4MS	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	84	%	67-130
FA98517-4MS	1634-04-4	Methyl Tert Butyl Ether	MS	REC	82	%	71-124
FA98517-4MS	91-20-3	Naphthalene	MS	REC	89	%	61-128
FA98517-4MS	103-65-1	n-Propylbenzene	MS	REC	88	%	76-126
FA98517-4MS	100-42-5	Styrene	MS	REC	88	%	78-123
FA98517-4MS	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	89	%	78-124
FA98517-4MS	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	89	%	71-121
FA98517-4MS	127-18-4	Tetrachloroethylene	MS	REC	94	%	74-129
FA98517-4MS	108-88-3	Toluene	MS	REC	85	%	80-121
FA98517-4MS	87-61-6	1,2,3-Trichlorobenzene	MS	REC	92	%	69-129
FA98517-4MS	120-82-1	1,2,4-Trichlorobenzene	MS	REC	85	%	69-130
FA98517-4MS	71-55-6	1,1,1-Trichloroethane	MS	REC	91	%	74-131
FA98517-4MS	79-00-5	1,1,2-Trichloroethane	MS	REC	84	%	80-119
FA98517-4MS	79-01-6	Trichloroethylene	MS	REC	76 [a]	%	79-123
FA98517-4MS	75-69-4	Trichlorofluoromethane	MS	REC	102	%	65-141
FA98517-4MS	96-18-4	1,2,3-Trichloropropane	MS	REC	80	%	73-122
FA98517-4MS	95-63-6	1,2,4-Trimethylbenzene	MS	REC	86	%	76-124
FA98517-4MS	108-67-8	1,3,5-Trimethylbenzene	MS	REC	85	%	75-124
FA98517-4MS	108-05-4	Vinyl Acetate	MS	REC	82	%	54-146
FA98517-4MS	75-01-4	Vinyl Chloride	MS	REC	84	%	58-137
FA98517-4MS		m,p-Xylene	MS	REC	87	%	80-121
FA98517-4MS	95-47-6	o-Xylene	MS	REC	89	%	78-122
FA98517-4MS	1330-20-7	Xylene (total)	MS	REC	88	%	79-121
FA98517-4MS	1868-53-7	Dibromofluoromethane	MS	SURR	102	%	80-119
FA98517-4MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	93	%	81-118
FA98517-4MS	2037-26-5	Toluene-D8	MS	SURR	100	%	89-112
FA98517-4MS	460-00-4	4-Bromofluorobenzene	MS	SURR	100	%	85-114
FA98517-4MSD	67-64-1	Acetone	MSD	REC	95	%	39-160
FA98517-4MSD	67-64-1	Acetone	MSD	RPD	10	%	20
FA98517-4MSD	71-43-2	Benzene	MSD	REC	85	%	79-120
FA98517-4MSD	71-43-2	Benzene	MSD	RPD	3	%	20
FA98517-4MSD	108-86-1	Bromobenzene	MSD	REC	82	%	80-120
FA98517-4MSD	108-86-1	Bromobenzene	MSD	RPD	1	%	20

* Sample used for QC is not from job FA98517

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98517
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/29/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98517-4MSD	74-97-5	Bromochloromethane	MSD	REC	88	%	78-123
FA98517-4MSD	74-97-5	Bromochloromethane	MSD	RPD	3	%	20
FA98517-4MSD	75-27-4	Bromodichloromethane	MSD	REC	87	%	79-125
FA98517-4MSD	75-27-4	Bromodichloromethane	MSD	RPD	3	%	20
FA98517-4MSD	75-25-2	Bromoform	MSD	REC	80	%	66-130
FA98517-4MSD	75-25-2	Bromoform	MSD	RPD	4	%	20
FA98517-4MSD	78-93-3	2-Butanone (MEK)	MSD	REC	97	%	56-143
FA98517-4MSD	78-93-3	2-Butanone (MEK)	MSD	RPD	10	%	20
FA98517-4MSD	104-51-8	n-Butylbenzene	MSD	REC	84	%	75-128
FA98517-4MSD	104-51-8	n-Butylbenzene	MSD	RPD	4	%	20
FA98517-4MSD	135-98-8	sec-Butylbenzene	MSD	REC	93	%	77-126
FA98517-4MSD	135-98-8	sec-Butylbenzene	MSD	RPD	2	%	20
FA98517-4MSD	98-06-6	tert-Butylbenzene	MSD	REC	86	%	78-124
FA98517-4MSD	98-06-6	tert-Butylbenzene	MSD	RPD	1	%	20
FA98517-4MSD	75-15-0	Carbon Disulfide	MSD	REC	82	%	64-133
FA98517-4MSD	75-15-0	Carbon Disulfide	MSD	RPD	0	%	20
FA98517-4MSD	56-23-5	Carbon Tetrachloride	MSD	REC	89	%	72-136
FA98517-4MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	2	%	20
FA98517-4MSD	108-90-7	Chlorobenzene	MSD	REC	84	%	82-118
FA98517-4MSD	108-90-7	Chlorobenzene	MSD	RPD	3	%	20
FA98517-4MSD	75-00-3	Chloroethane	MSD	REC	97	%	60-138
FA98517-4MSD	75-00-3	Chloroethane	MSD	RPD	3	%	20
FA98517-4MSD	67-66-3	Chloroform	MSD	REC	88	%	79-124
FA98517-4MSD	67-66-3	Chloroform	MSD	RPD	1	%	20
FA98517-4MSD	95-49-8	o-Chlorotoluene	MSD	REC	82	%	79-122
FA98517-4MSD	95-49-8	o-Chlorotoluene	MSD	RPD	0	%	20
FA98517-4MSD	106-43-4	p-Chlorotoluene	MSD	REC	84	%	78-122
FA98517-4MSD	106-43-4	p-Chlorotoluene	MSD	RPD	2	%	20
FA98517-4MSD	124-48-1	Dibromochloromethane	MSD	REC	80	%	74-126
FA98517-4MSD	124-48-1	Dibromochloromethane	MSD	RPD	7	%	20
FA98517-4MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	81	%	62-128
FA98517-4MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	0	%	20
FA98517-4MSD	106-93-4	1,2-Dibromoethane	MSD	REC	90	%	77-121
FA98517-4MSD	106-93-4	1,2-Dibromoethane	MSD	RPD	2	%	20
FA98517-4MSD	75-71-8	Dichlorodifluoromethane	MSD	REC	95	%	32-152
FA98517-4MSD	75-71-8	Dichlorodifluoromethane	MSD	RPD	4	%	20
FA98517-4MSD	95-50-1	1,2-Dichlorobenzene	MSD	REC	89	%	80-119
FA98517-4MSD	95-50-1	1,2-Dichlorobenzene	MSD	RPD	2	%	20
FA98517-4MSD	541-73-1	1,3-Dichlorobenzene	MSD	REC	90	%	80-119
FA98517-4MSD	541-73-1	1,3-Dichlorobenzene	MSD	RPD	4	%	20
FA98517-4MSD	106-46-7	1,4-Dichlorobenzene	MSD	REC	86	%	79-118
FA98517-4MSD	106-46-7	1,4-Dichlorobenzene	MSD	RPD	1	%	20
FA98517-4MSD	75-34-3	1,1-Dichloroethane	MSD	REC	93	%	77-125
FA98517-4MSD	75-34-3	1,1-Dichloroethane	MSD	RPD	2	%	20
FA98517-4MSD	107-06-2	1,2-Dichloroethane	MSD	REC	87	%	73-128

* Sample used for QC is not from job FA98517

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98517
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/29/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98517-4MSD	107-06-2	1,2-Dichloroethane	MSD	RPD	0	%	20
FA98517-4MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	90	%	71-131
FA98517-4MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	4	%	20
FA98517-4MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	84	%	78-123
FA98517-4MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	1	%	20
FA98517-4MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	92	%	75-124
FA98517-4MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	0	%	20
FA98517-4MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	88	%	79-121
FA98517-4MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	1	%	20
FA98517-4MSD	78-87-5	1,2-Dichloropropane	MSD	REC	84	%	78-122
FA98517-4MSD	78-87-5	1,2-Dichloropropane	MSD	RPD	1	%	20
FA98517-4MSD	142-28-9	1,3-Dichloropropane	MSD	REC	82	%	80-119
FA98517-4MSD	142-28-9	1,3-Dichloropropane	MSD	RPD	1	%	20
FA98517-4MSD	594-20-7	2,2-Dichloropropane	MSD	REC	74	%	60-139
FA98517-4MSD	594-20-7	2,2-Dichloropropane	MSD	RPD	4	%	20
FA98517-4MSD	563-58-6	1,1-Dichloropropene	MSD	REC	90	%	79-125
FA98517-4MSD	563-58-6	1,1-Dichloropropene	MSD	RPD	2	%	20
FA98517-4MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	80	%	75-124
FA98517-4MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	1	%	20
FA98517-4MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	90	%	73-127
FA98517-4MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	2	%	20
FA98517-4MSD	100-41-4	Ethylbenzene	MSD	REC	83	%	79-121
FA98517-4MSD	100-41-4	Ethylbenzene	MSD	RPD	4	%	20
FA98517-4MSD	87-68-3	Hexachlorobutadiene	MSD	REC	80	%	66-134
FA98517-4MSD	87-68-3	Hexachlorobutadiene	MSD	RPD	3	%	20
FA98517-4MSD	591-78-6	2-Hexanone	MSD	REC	97	%	57-139
FA98517-4MSD	591-78-6	2-Hexanone	MSD	RPD	6	%	20
FA98517-4MSD	98-82-8	Isopropylbenzene	MSD	REC	90	%	72-131
FA98517-4MSD	98-82-8	Isopropylbenzene	MSD	RPD	3	%	20
FA98517-4MSD	99-87-6	p-Isopropyltoluene	MSD	REC	91	%	77-127
FA98517-4MSD	99-87-6	p-Isopropyltoluene	MSD	RPD	0	%	20
FA98517-4MSD	74-83-9	Methyl Bromide	MSD	REC	60	%	53-141
FA98517-4MSD	74-83-9	Methyl Bromide	MSD	RPD	30	%	20
FA98517-4MSD	74-87-3	Methyl Chloride	MSD	REC	96	%	50-139
FA98517-4MSD	74-87-3	Methyl Chloride	MSD	RPD	11	%	20
FA98517-4MSD	74-95-3	Methylene Bromide	MSD	REC	82	%	79-123
FA98517-4MSD	74-95-3	Methylene Bromide	MSD	RPD	0	%	20
FA98517-4MSD	75-09-2	Methylene Chloride	MSD	REC	75	%	74-124
FA98517-4MSD	75-09-2	Methylene Chloride	MSD	RPD	2	%	20
FA98517-4MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	91	%	67-130
FA98517-4MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	8	%	20
FA98517-4MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	85	%	71-124
FA98517-4MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	4	%	20
FA98517-4MSD	91-20-3	Naphthalene	MSD	REC	89	%	61-128
FA98517-4MSD	91-20-3	Naphthalene	MSD	RPD	0	%	20

* Sample used for QC is not from job FA98517

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98517
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/29/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98517-4MSD	103-65-1	n-Propylbenzene	MSD	REC	85	%	76-126
FA98517-4MSD	103-65-1	n-Propylbenzene	MSD	RPD	4	%	20
FA98517-4MSD	100-42-5	Styrene	MSD	REC	93	%	78-123
FA98517-4MSD	100-42-5	Styrene	MSD	RPD	5	%	20
FA98517-4MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	86	%	78-124
FA98517-4MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	4	%	20
FA98517-4MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	87	%	71-121
FA98517-4MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	2	%	20
FA98517-4MSD	127-18-4	Tetrachloroethylene	MSD	REC	90	%	74-129
FA98517-4MSD	127-18-4	Tetrachloroethylene	MSD	RPD	4	%	20
FA98517-4MSD	108-88-3	Toluene	MSD	REC	83	%	80-121
FA98517-4MSD	108-88-3	Toluene	MSD	RPD	3	%	20
FA98517-4MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	89	%	69-129
FA98517-4MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	3	%	20
FA98517-4MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	90	%	69-130
FA98517-4MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	6	%	20
FA98517-4MSD	71-55-6	1,1,1-Trichloroethane	MSD	REC	89	%	74-131
FA98517-4MSD	71-55-6	1,1,1-Trichloroethane	MSD	RPD	2	%	20
FA98517-4MSD	79-00-5	1,1,2-Trichloroethane	MSD	REC	85	%	80-119
FA98517-4MSD	79-00-5	1,1,2-Trichloroethane	MSD	RPD	1	%	20
FA98517-4MSD	79-01-6	Trichloroethylene	MSD	REC	64 [a]	%	79-123
FA98517-4MSD	79-01-6	Trichloroethylene	MSD	RPD	2	%	20
FA98517-4MSD	75-69-4	Trichlorofluoromethane	MSD	REC	107	%	65-141
FA98517-4MSD	75-69-4	Trichlorofluoromethane	MSD	RPD	5	%	20
FA98517-4MSD	96-18-4	1,2,3-Trichloropropane	MSD	REC	82	%	73-122
FA98517-4MSD	96-18-4	1,2,3-Trichloropropane	MSD	RPD	2	%	20
FA98517-4MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	86	%	76-124
FA98517-4MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	1	%	20
FA98517-4MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	84	%	75-124
FA98517-4MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	1	%	20
FA98517-4MSD	108-05-4	Vinyl Acetate	MSD	REC	82	%	54-146
FA98517-4MSD	108-05-4	Vinyl Acetate	MSD	RPD	0	%	20
FA98517-4MSD	75-01-4	Vinyl Chloride	MSD	REC	94	%	58-137
FA98517-4MSD	75-01-4	Vinyl Chloride	MSD	RPD	11	%	20
FA98517-4MSD		m,p-Xylene	MSD	REC	85	%	80-121
FA98517-4MSD		m,p-Xylene	MSD	RPD	3	%	20
FA98517-4MSD	95-47-6	o-Xylene	MSD	REC	87	%	78-122
FA98517-4MSD	95-47-6	o-Xylene	MSD	RPD	2	%	20
FA98517-4MSD	1330-20-7	Xylene (total)	MSD	REC	86	%	79-121
FA98517-4MSD	1330-20-7	Xylene (total)	MSD	RPD	3	%	20
FA98517-4MSD	1868-53-7	Dibromofluoromethane	MSD	SURR	102	%	80-119
FA98517-4MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	96	%	81-118
FA98517-4MSD	2037-26-5	Toluene-D8	MSD	SURR	98	%	89-112
FA98517-4MSD	460-00-4	4-Bromofluorobenzene	MSD	SURR	100	%	85-114
VY2680-MB	1868-53-7	Dibromofluoromethane	MB	SURR	95	%	80-119

* Sample used for QC is not from job FA98517

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98517
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/29/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VY2680-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	100	%	81-118
VY2680-MB	2037-26-5	Toluene-D8	MB	SURR	101	%	89-112
VY2680-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	101	%	85-114
FA98517-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	95	%	80-119
FA98517-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	98	%	81-118
FA98517-1	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112
FA98517-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	105	%	85-114
FA98517-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
FA98517-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
FA98517-2	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112
FA98517-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
FA98517-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	94	%	80-119
FA98517-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
FA98517-3	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
FA98517-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	85-114
FA98517-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
FA98517-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA98517-4	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FA98517-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FA98517-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	93	%	80-119
FA98517-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA98517-5	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112
FA98517-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	85-114
FA98517-6	1868-53-7	Dibromofluoromethane	SAMP	SURR	95	%	80-119
FA98517-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA98517-6	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112
FA98517-6	460-00-4	4-Bromofluorobenzene	SAMP	SURR	105	%	85-114
FA98517-7	1868-53-7	Dibromofluoromethane	SAMP	SURR	95	%	80-119
FA98517-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	98	%	81-118
FA98517-7	2037-26-5	Toluene-D8	SAMP	SURR	101	%	89-112
FA98517-7	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	85-114
G1R347	RSKSOP-147/175						
G1R347-BS	74-82-8	Methane	BSP	REC	92	%	73-125
G1R347-BS	74-84-0	Ethane	BSP	REC	92	%	74-131
G1R347-BS	74-85-1	Ethene	BSP	REC	94	%	72-133
G1R347-BSD	74-82-8	Methane	BSD	REC	94	%	73-125
G1R347-BSD	74-82-8	Methane	BSD	RPD	2	%	30
G1R347-BSD	74-84-0	Ethane	BSD	REC	96	%	74-131
G1R347-BSD	74-84-0	Ethane	BSD	RPD	4	%	30
G1R347-BSD	74-85-1	Ethene	BSD	REC	98	%	72-133
G1R347-BSD	74-85-1	Ethene	BSD	RPD	4	%	30
FA98517-4MS	74-82-8	Methane	MS	REC	103	%	73-125
FA98517-4MS	74-84-0	Ethane	MS	REC	93	%	74-131

* Sample used for QC is not from job FA98517

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98517
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/29/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98517-4MS	74-85-1	Ethene	MS	REC	94	%	72-133
FA98517-4DUP	74-82-8	Methane	DUP	RPD	1	%	30
FA98517-4DUP	74-84-0	Ethane	DUP	RPD	0	%	30
FA98517-4DUP	74-85-1	Ethene	DUP	RPD	0	%	30
GP38013	EPA 300/SW846 9056A						
GP38013-B1	14808-79-8	Sulfate	BSP	REC	99.2	%	87-112
GP38013-S3	14808-79-8	Sulfate	MS	REC	83.4 [b]	%	87-112
GP38013-S4	14808-79-8	Sulfate	MSD	RPD	1.3	%	15
GP38013-S4	14808-79-8	Sulfate	MSD	REC	81.8	%	87-112

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Spike recovery indicates possible matrix interference.

* Sample used for QC is not from job FA98517

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2680-MB	Y64616.D	1	09/10/22	AL	n/a	n/a	VY2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-6, FA98517-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2680-MB	Y64616.D	1	09/10/22	AL	n/a	n/a	VY2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-6, FA98517-7

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2680-MB	Y64616.D	1	09/10/22	AL	n/a	n/a	VY2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-6, FA98517-7

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	101%	83-118%

Method Blank Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2691-MB [a]	I751277.D	1	09/14/22	JL	n/a	n/a	VI2691

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98517-4

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	102%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.13	13	ug/l	JN
129065-11-8	Ethanethioic acid, S-[8-(diethylphosphon	12.51	100	ug/l	JN
3789-85-3	Benzoic acid, 2-[(trimethylsilyl)oxy]-,	14.41	53	ug/l	JN
27750-45-4	Benzenepropanoic acid, .alpha.-[(trimeth	15.94	6.7	ug/l	JN
	Total TIC, Volatile		159.7	ug/l	J

(a) Sample was treated with an anti-foaming agent.

Blank Spike Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2680-BS	Y64613.D	1	09/10/22	AL	n/a	n/a	VY2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-6, FA98517-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	117	94	50-147
71-43-2	Benzene	25	23.7	95	81-122
108-86-1	Bromobenzene	25	23.3	93	80-121
74-97-5	Bromochloromethane	25	23.7	95	76-123
75-27-4	Bromodichloromethane	25	24.7	99	79-123
75-25-2	Bromoform	25	25.2	101	66-123
78-93-3	2-Butanone (MEK)	125	121	97	56-143
104-51-8	n-Butylbenzene	25	25.6	102	79-126
135-98-8	sec-Butylbenzene	25	28.2	113	83-133
98-06-6	tert-Butylbenzene	25	25.8	103	80-133
75-15-0	Carbon Disulfide	25	23.9	96	66-148
56-23-5	Carbon Tetrachloride	25	25.8	103	76-136
108-90-7	Chlorobenzene	25	23.8	95	82-124
75-00-3	Chloroethane	25	23.4	94	62-144
67-66-3	Chloroform	25	24.6	98	80-124
95-49-8	o-Chlorotoluene	25	24.0	96	81-127
106-43-4	p-Chlorotoluene	25	24.3	97	83-130
124-48-1	Dibromochloromethane	25	24.6	98	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	23.3	93	64-123
106-93-4	1,2-Dibromoethane	25	24.3	97	75-120
75-71-8	Dichlorodifluoromethane	25	26.1	104	42-167
95-50-1	1,2-Dichlorobenzene	25	24.0	96	82-124
541-73-1	1,3-Dichlorobenzene	25	24.4	98	84-125
106-46-7	1,4-Dichlorobenzene	25	23.3	93	78-120
75-34-3	1,1-Dichloroethane	25	26.0	104	81-122
107-06-2	1,2-Dichloroethane	25	23.9	96	75-125
75-35-4	1,1-Dichloroethylene	25	25.8	103	78-137
156-59-2	cis-1,2-Dichloroethylene	25	24.0	96	78-120
156-60-5	trans-1,2-Dichloroethylene	25	25.1	100	76-127
540-59-0	1,2-Dichloroethene (total)	50	49.1	98	77-122
78-87-5	1,2-Dichloropropane	25	23.1	92	76-124
142-28-9	1,3-Dichloropropane	25	22.3	89	80-118
594-20-7	2,2-Dichloropropane	25	23.7	95	74-139
563-58-6	1,1-Dichloropropene	25	25.4	102	79-131
10061-01-5	cis-1,3-Dichloropropene	25	24.2	97	75-118
10061-02-6	trans-1,3-Dichloropropene	25	26.5	106	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2680-BS	Y64613.D	1	09/10/22	AL	n/a	n/a	VY2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-6, FA98517-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	24.0	96	81-121
87-68-3	Hexachlorobutadiene	25	27.0	108	75-142
591-78-6	2-Hexanone	125	121	97	61-129
98-82-8	Isopropylbenzene	25	25.8	103	83-132
99-87-6	p-Isopropyltoluene	25	27.6	110	79-130
74-83-9	Methyl Bromide	25	25.1	100	59-143
74-87-3	Methyl Chloride	25	23.7	95	50-159
74-95-3	Methylene Bromide	25	22.9	92	78-119
75-09-2	Methylene Chloride	25	21.8	87	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	114	91	66-122
1634-04-4	Methyl Tert Butyl Ether	25	23.3	93	72-117
91-20-3	Naphthalene	25	25.1	100	63-132
103-65-1	n-Propylbenzene	25	25.6	102	82-133
100-42-5	Styrene	25	26.2	105	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	25.1	100	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	23.3	93	72-120
127-18-4	Tetrachloroethylene	25	26.0	104	76-135
108-88-3	Toluene	25	23.6	94	80-120
87-61-6	1,2,3-Trichlorobenzene	25	25.5	102	68-131
120-82-1	1,2,4-Trichlorobenzene	25	24.7	99	73-129
71-55-6	1,1,1-Trichloroethane	25	25.6	102	75-130
79-00-5	1,1,2-Trichloroethane	25	23.4	94	76-119
79-01-6	Trichloroethylene	25	25.9	104	81-126
75-69-4	Trichlorofluoromethane	25	30.3	121	71-156
96-18-4	1,2,3-Trichloropropane	25	22.0	88	77-120
95-63-6	1,2,4-Trimethylbenzene	25	25.1	100	79-120
108-67-8	1,3,5-Trimethylbenzene	25	24.8	99	79-120
108-05-4	Vinyl Acetate	125	114	91	43-154
75-01-4	Vinyl Chloride	25	25.1	100	69-159
	m,p-Xylene	50	48.9	98	79-126
95-47-6	o-Xylene	25	24.7	99	80-127
1330-20-7	Xylene (total)	75	73.6	98	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2680-BS	Y64613.D	1	09/10/22	AL	n/a	n/a	VY2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-6, FA98517-7

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	79-125%
2037-26-5	Toluene-D8	102%	85-112%
460-00-4	4-Bromofluorobenzene	102%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2691-BS	I751275.D	1	09/14/22	JL	n/a	n/a	VI2691

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98517-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
79-01-6	Trichloroethylene	25	26.3	105	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98517-4MS	Y64637.D	1	09/10/22	AL	n/a	n/a	VY2680
FA98517-4MSD	Y64638.D	1	09/10/22	AL	n/a	n/a	VY2680
FA98517-4	Y64623.D	1	09/10/22	AL	n/a	n/a	VY2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-6, FA98517-7

CAS No.	Compound	FA98517-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	108	86	125	119	95	10	50-147/21
71-43-2	Benzene	1.0 U		25	21.9	88	25	21.2	85	3	81-122/14
108-86-1	Bromobenzene	1.0 U		25	20.7	83	25	20.5	82	1	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	22.7	91	25	22.0	88	3	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	22.4	90	25	21.7	87	3	79-123/19
75-25-2	Bromoform	1.0 U		25	20.8	83	25	20.0	80	4	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	109	87	125	121	97	10	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	21.8	87	25	21.0	84	4	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	23.6	94	25	23.2	93	2	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	21.7	87	25	21.4	86	1	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	20.4	82	25	20.5	82	0	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	22.8	91	25	22.3	89	2	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	21.7	87	25	21.1	84	3	82-124/14
75-00-3	Chloroethane	2.0 U		25	23.6	94	25	24.3	97	3	62-144/20
67-66-3	Chloroform	1.0 U		25	22.2	89	25	21.9	88	1	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	20.6	82	25	20.5	82	0	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	21.5	86	25	21.0	84	2	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	21.4	86	25	20.0	80	7	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	20.1	80	25	20.2	81	0	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	23.0	92	25	22.5	90	2	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	22.8	91	25	23.7	95	4	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	21.8	87	25	22.2	89	2	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	21.7	87	25	22.6	90	4	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	21.6	86	25	21.4	86	1	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	23.7	95	25	23.3	93	2	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	21.9	88	25	21.8	87	0	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	23.4	94	25	22.4	90	4	78-137/18
156-59-2	cis-1,2-Dichloroethylene	52.1		25	73.6	86	25	73.0	84	1	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	22.9	92	25	22.9	92	0	76-127/17
540-59-0	1,2-Dichloroethene (total)	52.1		50	96.5	89	50	95.9	88	1	77-122/15
78-87-5	1,2-Dichloropropane	1.0 U		25	21.4	86	25	21.1	84	1	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	20.3	81	25	20.5	82	1	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	19.3	77	25	18.6	74	4	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	22.1	88	25	22.5	90	2	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	20.2	81	25	20.0	80	1	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	22.8	91	25	22.4	90	2	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98517-4MS	Y64637.D	1	09/10/22	AL	n/a	n/a	VY2680
FA98517-4MSD	Y64638.D	1	09/10/22	AL	n/a	n/a	VY2680
FA98517-4	Y64623.D	1	09/10/22	AL	n/a	n/a	VY2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-6, FA98517-7

CAS No.	Compound	FA98517-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	1.0 U		25	21.6	86	25	20.8	83	4	81-121/14
87-68-3	Hexachlorobutadiene	2.0 U		25	20.6	82	25	19.9	80	3	75-142/19
591-78-6	2-Hexanone	10 U		125	114	91	125	121	97	6	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	23.2	93	25	22.6	90	3	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	22.8	91	25	22.8	91	0	79-130/16
74-83-9	Methyl Bromide	5.0 U		25	11.2	45*	25	15.1	60	30*	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	21.6	86	25	24.0	96	11	50-159/19
74-95-3	Methylene Bromide	2.0 U		25	20.6	82	25	20.5	82	0	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	19.0	76	25	18.7	75	2	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	105	84	125	114	91	8	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	20.4	82	25	21.2	85	4	72-117/14
91-20-3	Naphthalene	5.0 U		25	22.3	89	25	22.3	89	0	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	22.0	88	25	21.2	85	4	82-133/15
100-42-5	Styrene	1.0 U		25	22.1	88	25	23.2	93	5	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	22.3	89	25	21.5	86	4	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	22.3	89	25	21.8	87	2	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	23.4	94	25	22.5	90	4	76-135/16
108-88-3	Toluene	1.0 U		25	21.3	85	25	20.7	83	3	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	23.0	92	25	22.3	89	3	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	21.2	85	25	22.5	90	6	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	22.7	91	25	22.2	89	2	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	20.9	84	25	21.2	85	1	76-119/14
79-01-6	Trichloroethylene	114	E	25	133	76* [a]	25	130	64* [a]	2	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	25.5	102	25	26.7	107	5	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	20.1	80	25	20.5	82	2	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	21.6	86	25	21.4	86	1	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	21.2	85	25	20.9	84	1	79-120/19
108-05-4	Vinyl Acetate	10 U		125	103	82	125	103	82	0	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	20.9	84	25	23.4	94	11	69-159/18
	m,p-Xylene	2.0 U		50	43.7	87	50	42.4	85	3	79-126/15
95-47-6	o-Xylene	1.0 U		25	22.2	89	25	21.8	87	2	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	65.9	88	75	64.2	86	3	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98517-4MS	Y64637.D	1	09/10/22	AL	n/a	n/a	VY2680
FA98517-4MSD	Y64638.D	1	09/10/22	AL	n/a	n/a	VY2680
FA98517-4	Y64623.D	1	09/10/22	AL	n/a	n/a	VY2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-6, FA98517-7

CAS No.	Surrogate Recoveries	MS	MSD	FA98517-4	Limits
1868-53-7	Dibromofluoromethane	102%	102%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	96%	100%	79-125%
2037-26-5	Toluene-D8	100%	98%	100%	85-112%
460-00-4	4-Bromofluorobenzene	100%	100%	100%	83-118%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98602-3MS	I751298.D	10	09/14/22	JL	n/a	n/a	VI2691
FA98602-3MSD	I751299.D	10	09/14/22	JL	n/a	n/a	VI2691
FA98602-3	I751297.D	10	09/14/22	JL	n/a	n/a	VI2691

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98517-4

CAS No.	Compound	FA98602-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
79-01-6	Trichloroethylene	429		250	723	118	250	659	92	9	81-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA98602-3	Limits
1868-53-7	Dibromofluoromethane	101%	102%	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	102%	102%	79-125%
2037-26-5	Toluene-D8	97%	96%	97%	85-112%
460-00-4	4-Bromofluorobenzene	99%	98%	98%	83-118%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2688-BFB
Lab File ID: I751206.D
Instrument ID: GCMSI
Injection Date: 09/09/22
Injection Time: 09:41

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	36773	23.9		Pass
75	30.0 - 60.0% of mass 95	79456	51.6		Pass
95	Base peak, 100% relative abundance	154091	100.0		Pass
96	5.0 - 9.0% of mass 95	10405	6.75		Pass
173	Less than 2.0% of mass 174	1251	0.81	(0.96) [a]	Pass
174	50.0 - 100.0% of mass 95	130323	84.6		Pass
175	5.0 - 9.0% of mass 174	9619	6.24	(7.38) [a]	Pass
176	95.0 - 101.0% of mass 174	125781	81.6	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	8117	5.27	(6.45) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI2688-IC2688	I751207.D	09/09/22	10:05	00:24	Initial cal 1
VI2688-IC2688	I751208.D	09/09/22	10:28	00:47	Initial cal 2
VI2688-IC2688	I751209.D	09/09/22	10:52	01:11	Initial cal 3
VI2688-IC2688	I751210.D	09/09/22	11:16	01:35	Initial cal 4
VI2688-ICC2688	I751211.D	09/09/22	11:39	01:58	Initial cal 5
VI2688-IC2688	I751212.D	09/09/22	12:03	02:22	Initial cal 6
VI2688-IC2688	I751213.D	09/09/22	12:27	02:46	Initial cal 7
VI2688-ICV2688	I751215.D	09/09/22	13:14	03:33	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2691-BFB
Lab File ID: I751273.D
Instrument ID: GCMSI
Injection Date: 09/14/22
Injection Time: 10:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	33832	24.7		Pass
75	30.0 - 60.0% of mass 95	72291	52.7		Pass
95	Base peak, 100% relative abundance	137229	100.0		Pass
96	5.0 - 9.0% of mass 95	9462	6.90		Pass
173	Less than 2.0% of mass 174	1004	0.73	(0.85) [a]	Pass
174	50.0 - 100.0% of mass 95	117555	85.7		Pass
175	5.0 - 9.0% of mass 174	8987	6.55	(7.64) [a]	Pass
176	95.0 - 101.0% of mass 174	113312	82.6	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	7673	5.59	(6.77) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI2691-CC2688	I751274.D	09/14/22	11:12	00:24	Continuing cal 5
VI2691-BS	I751275.D	09/14/22	11:35	00:47	Blank Spike
VI2691-MB	I751277.D	09/14/22	12:23	01:35	Method Blank
ZZZZZZ	I751283.D	09/14/22	14:45	03:57	(unrelated sample)
ZZZZZZ	I751284.D	09/14/22	15:09	04:21	(unrelated sample)
ZZZZZZ	I751285.D	09/14/22	15:33	04:45	(unrelated sample)
ZZZZZZ	I751286.D	09/14/22	15:56	05:08	(unrelated sample)
ZZZZZZ	I751287.D	09/14/22	16:20	05:32	(unrelated sample)
ZZZZZZ	I751288.D	09/14/22	16:44	05:56	(unrelated sample)
ZZZZZZ	I751289.D	09/14/22	17:08	06:20	(unrelated sample)
ZZZZZZ	I751290.D	09/14/22	17:31	06:43	(unrelated sample)
ZZZZZZ	I751291.D	09/14/22	17:55	07:07	(unrelated sample)
FA98517-4	I751292.D	09/14/22	18:19	07:31	WL-LF6TW-33-0822
ZZZZZZ	I751293.D	09/14/22	18:43	07:55	(unrelated sample)
ZZZZZZ	I751294.D	09/14/22	19:06	08:18	(unrelated sample)
ZZZZZZ	I751295.D	09/14/22	19:30	08:42	(unrelated sample)
ZZZZZZ	I751296.D	09/14/22	19:54	09:06	(unrelated sample)
FA98602-3	I751297.D	09/14/22	20:17	09:29	(used for QC only; not part of job FA98517)
FA98602-3MS	I751298.D	09/14/22	20:41	09:53	Matrix Spike
FA98602-3MSD	I751299.D	09/14/22	21:05	10:17	Matrix Spike Duplicate
VI2691-ECC2688	I751300.D	09/14/22	21:29	10:41	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2677-BFB
Lab File ID: Y64570.D
Instrument ID: GCMSY
Injection Date: 09/08/22
Injection Time: 12:30

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	39858	18.0		Pass
75	30.0 - 60.0% of mass 95	110458	50.0		Pass
95	Base peak, 100% relative abundance	221120	100.0		Pass
96	5.0 - 9.0% of mass 95	15092	6.83		Pass
173	Less than 2.0% of mass 174	1156	0.52	(0.64) [a]	Pass
174	50.0 - 100.0% of mass 95	180416	81.6		Pass
175	5.0 - 9.0% of mass 174	12818	5.80	(7.10) [a]	Pass
176	95.0 - 101.0% of mass 174	172949	78.2	(95.9) [a]	Pass
177	5.0 - 9.0% of mass 176	10931	4.94	(6.32) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY2677-IC2677	Y64571.D	09/08/22	14:02	01:32	Initial cal 1
VY2677-IC2677	Y64572.D	09/08/22	14:26	01:56	Initial cal 2
VY2677-IC2677	Y64573.D	09/08/22	14:52	02:22	Initial cal 3
VY2677-IC2677	Y64574.D	09/08/22	15:16	02:46	Initial cal 4
VY2677-ICC2677	Y64575.D	09/08/22	15:41	03:11	Initial cal 5
VY2677-IC2677	Y64576.D	09/08/22	16:06	03:36	Initial cal 6
VY2677-IC2677	Y64577.D	09/08/22	16:31	04:01	Initial cal 7
VY2677-ICV2677	Y64579.D	09/08/22	17:21	04:51	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2680-BFB
Lab File ID: Y64611.D
Instrument ID: GCMSY
Injection Date: 09/10/22
Injection Time: 10:34

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	41504	18.5		Pass
75	30.0 - 60.0% of mass 95	108429	48.4		Pass
95	Base peak, 100% relative abundance	223936	100.0		Pass
96	5.0 - 9.0% of mass 95	15662	6.99		Pass
173	Less than 2.0% of mass 174	956	0.43	(0.51) [a]	Pass
174	50.0 - 100.0% of mass 95	188565	84.2		Pass
175	5.0 - 9.0% of mass 174	13649	6.10	(7.24) [a]	Pass
176	95.0 - 101.0% of mass 174	180629	80.7	(95.8) [a]	Pass
177	5.0 - 9.0% of mass 176	11803	5.27	(6.53) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY2680-CC2677	Y64612.D	09/10/22	10:58	00:24	Continuing cal 5
VY2680-BS	Y64613.D	09/10/22	11:23	00:49	Blank Spike
VY2680-MB	Y64616.D	09/10/22	12:37	02:03	Method Blank
FA98517-6	Y64617.D	09/10/22	13:01	02:27	LF6-TB02-0822-C
ZZZZZZ	Y64618.D	09/10/22	13:26	02:52	(unrelated sample)
ZZZZZZ	Y64619.D	09/10/22	13:51	03:17	(unrelated sample)
ZZZZZZ	Y64620.D	09/10/22	14:16	03:42	(unrelated sample)
FA98517-2	Y64621.D	09/10/22	14:40	04:06	LF6MW-17-0822
FA98517-3	Y64622.D	09/10/22	15:05	04:31	LF6MW-20-0822
FA98517-4	Y64623.D	09/10/22	15:30	04:56	WL-LF6TW-33-0822
FA98517-5	Y64624.D	09/10/22	15:54	05:20	WL-LF6TW-34-0822
ZZZZZZ	Y64625.D	09/10/22	16:18	05:44	(unrelated sample)
ZZZZZZ	Y64626.D	09/10/22	16:44	06:10	(unrelated sample)
ZZZZZZ	Y64627.D	09/10/22	17:08	06:34	(unrelated sample)
ZZZZZZ	Y64628.D	09/10/22	17:33	06:59	(unrelated sample)
ZZZZZZ	Y64629.D	09/10/22	17:58	07:24	(unrelated sample)
FA98517-1	Y64631.D	09/10/22	18:47	08:13	LF6MW-16-0822
FA98517-7	Y64632.D	09/10/22	19:12	08:38	LF6MW-16-0822
ZZZZZZ	Y64633.D	09/10/22	19:36	09:02	(unrelated sample)
ZZZZZZ	Y64634.D	09/10/22	20:01	09:27	(unrelated sample)
ZZZZZZ	Y64635.D	09/10/22	20:25	09:51	(unrelated sample)
ZZZZZZ	Y64636.D	09/10/22	20:50	10:16	(unrelated sample)
FA98517-4MS	Y64637.D	09/10/22	21:14	10:40	Matrix Spike
FA98517-4MSD	Y64638.D	09/10/22	21:39	11:05	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample:	VY2680-BFB	**Injection Date:**	09/10/22
Lab File ID:	Y64611.D	**Injection Time:**	10:34
Instrument ID:	GCMSY		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY2680-ECC2677	Y64639.D	09/10/22	22:04	11:30	Ending cal 5

Internal Standard Area Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	VI2691-CC2688	**Injection Date:**	09/14/22
Lab File ID:	I751274.D	**Injection Time:**	11:12
Instrument ID:	GCMSI	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	800671	8.34	606751	11.51	321515	13.88
Check Std [b]	735068	8.34	582300	11.51	304122	13.88
Upper Limit [c]	1470136	8.51	1164600	11.68	608244	14.05
Lower Limit [d]	367534	8.17	291150	11.34	152061	13.71

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VI2691-BS	738594	8.34	577606	11.51	299228	13.88
VI2691-MB [e]	689602	8.34	550252	11.51	247574	13.88
ZZZZZZ	635552	8.34	515421	11.51	250531	13.88
ZZZZZZ	660982	8.34	531777	11.51	274921	13.88
ZZZZZZ	649649	8.34	523707	11.52	248612	13.88
ZZZZZZ	617501	8.34	502252	11.51	250990	13.88
ZZZZZZ	664172	8.34	538231	11.51	260742	13.88
ZZZZZZ	661380	8.34	536214	11.51	266849	13.88
ZZZZZZ	645252	8.34	523240	11.52	252726	13.88
ZZZZZZ	658678	8.34	536871	11.51	232033	13.88
ZZZZZZ	650277	8.34	527983	11.51	254390	13.88
FA98517-4 [f]	659391	8.34	525334	11.51	254981	13.88
ZZZZZZ	637303	8.34	500023	11.51	245502	13.88
ZZZZZZ	640181	8.34	520983	11.51	258569	13.88
ZZZZZZ	650179	8.34	525497	11.52	261958	13.88
ZZZZZZ	645697	8.34	516260	11.52	250308	13.88
FA98602-3	650549	8.34	520733	11.51	257665	13.88
FA98602-3MS	671350	8.34	528412	11.51	270354	13.88
FA98602-3MSD	717355	8.34	575417	11.51	291625	13.88
VI2691-ECC2688	714569	8.34	570084	11.51	295156	13.88

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: VI2688-ICC2688 I751211.D 09/09/22 11:39
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) Sample was treated with an anti-foaming agent.
(f) Sample re-analyzed beyond hold time.

Internal Standard Area Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	VY2680-CC2677	**Injection Date:**	09/10/22
Lab File ID:	Y64612.D	**Injection Time:**	10:58
Instrument ID:	GCMSY	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	1136997	9.50	869880	12.15	427423	13.77
Check Std [b]	1070177	9.50	822886	12.15	417580	13.77
Upper Limit [c]	2140354	9.67	1645772	12.32	835160	13.94
Lower Limit [d]	535089	9.33	411443	11.98	208790	13.60

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VY2680-BS	1080740	9.50	823976	12.15	399666	13.77
VY2680-MB	925819	9.50	689374	12.15	323570	13.77
FA98517-6	975384	9.50	729657	12.15	333305	13.77
ZZZZZZ	940365	9.50	708337	12.15	325214	13.77
ZZZZZZ	933058	9.50	712305	12.15	324853	13.77
ZZZZZZ	907500	9.50	685387	12.15	312884	13.77
FA98517-2	877889	9.50	657742	12.15	310427	13.77
FA98517-3	901158	9.50	672849	12.15	313068	13.77
FA98517-4	890417	9.50	676186	12.15	312660	13.77
FA98517-5	881468	9.50	658406	12.15	307982	13.77
ZZZZZZ	886881	9.50	660950	12.15	305922	13.77
ZZZZZZ	846082	9.50	634570	12.15	298913	13.77
ZZZZZZ	855389	9.50	639309	12.15	300269	13.77
ZZZZZZ	853918	9.50	649070	12.15	295026	13.77
ZZZZZZ	785220	9.50	595157	12.15	271632	13.77
FA98517-1 [e]	851695	9.50	635070	12.15	281061	13.77
FA98517-7	821322	9.50	613005	12.15	277919	13.77
ZZZZZZ	797116	9.50	601535	12.15	274241	13.77
ZZZZZZ	816536	9.50	612677	12.15	278372	13.77
ZZZZZZ	784286	9.50	588665	12.15	269091	13.77
ZZZZZZ	809880	9.50	615178	12.15	278339	13.77
FA98517-4MS	895101	9.50	682379	12.15	345741	13.77
FA98517-4MSD	935788	9.50	720284	12.15	362053	13.77
VY2680-ECC2677	944161	9.50	743657	12.15	385688	13.77

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: VY2677-ICC2677 Y64575.D 09/08/22 15:41
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	VY2680-CC2677	**Injection Date:**	09/10/22
Lab File ID:	Y64612.D	**Injection Time:**	10:58
Instrument ID:	GCMSY	**Method:**	SW846 8260D

Lab	IS 1		IS 2		IS 3	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

(e) Sample vial(s) contained bubbles greater than 6mm.

Surrogate Recovery Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
FA98517-1	Y64631.D	95	98	102	105
FA98517-2	Y64621.D	97	99	102	101
FA98517-3	Y64622.D	94	99	103	103
FA98517-4	I751292.D	100	98	96	99
FA98517-4	Y64623.D	97	100	100	100
FA98517-5	Y64624.D	93	100	102	103
FA98517-6	Y64617.D	95	100	102	105
FA98517-7	Y64632.D	95	98	101	103
FA98517-4MS	Y64637.D	102	93	100	100
FA98517-4MSD	Y64638.D	102	96	98	100
FA98602-3MS	I751298.D	101	102	97	99
FA98602-3MSD	I751299.D	102	102	96	98
VI2691-BS	I751275.D	101	97	100	98
VI2691-MB	I751277.D	99	98	97	102
VY2680-BS	Y64613.D	100	97	102	102
VY2680-MB	Y64616.D	95	100	101	101

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Initial Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2688-ICC2688
Lab FileID: I751211.D

Response Factor Report MSVOA16

Method : C:\msdchem\1\met...22-09-09APP9-I.m (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

Calibration Files
1 =I751207.D 2 =I751208.D 3 =I751209.D 4 =I751210.D
5 =I751211.D 6 =I751212.D 7 =I751213.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	----------ISTD----------								
2) Dichlorodifluorom	0.251	0.228	0.194	0.173	0.222	0.221	0.219	0.215	11.73
3)P Chloromethane	0.441	0.309	0.248	0.241	0.269	0.277	0.270	0.294	23.30
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9978									
Response Ratio = 0.00000 + 0.26301 *A + 0.00475 *A^2									
4)C Vinyl Chloride	0.302	0.270	0.235	0.224	0.260	0.264	0.256	0.259	9.74
5) 1,3-Butadiene	0.301	0.284	0.260	0.190	0.213	0.198	0.204	0.236	19.23
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9945									
Response Ratio = 0.00000 + 0.22378 *A + -0.01267 *A^2									
6) Bromomethane	0.315	0.144	0.119	0.099	0.102	0.100	0.099	0.140	56.63
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9953									
Response Ratio = 0.00000 + 0.11506 *A + -0.00926 *A^2									
7) Chloroethane	0.178	0.145	0.117	0.112	0.123	0.122	0.113	0.130	18.43
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9976									
Response Ratio = 0.00000 + 0.12540 *A + -0.00535 *A^2									
8) Trichlorofluorome	0.396	0.347	0.293	0.271	0.328	0.280	0.265	0.312	15.41
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9954									
Response Ratio = 0.00000 + 0.32081 *A + -0.02738 *A^2									
9) Ethyl Ether	0.279	0.215	0.215	0.193	0.225	0.222	0.218	0.224	11.88
10) 1,2-Dichlorotrifl	0.335	0.249	0.273	0.245	0.277	0.279	0.278	0.277	10.63
11)C 1,1-Dichloroethen	0.378	0.323	0.340	0.314	0.350	0.352	0.350	0.344	6.12
12) Ethanol	0.023	0.018	0.016	0.012	0.012	0.012	0.011	0.015	28.99
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9962									
Response Ratio = 0.00000 + 0.01425 *A + -0.00007 *A^2									
13) Freon 113	0.248	0.201	0.212	0.182	0.222	0.220	0.221	0.215	9.46
14) Carbon Disulfide	0.756	0.534	0.568	0.530	0.602	0.605	0.601	0.599	12.66
15) Iodomethane	0.267	0.116	0.120	0.138	0.176	0.181	0.173	0.167	30.79
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9910									
Response Ratio = 0.00000 + 0.14672 *A + 0.01665 *A^2									
16) Acrolein	0.086	0.125	0.090	0.085	0.091	0.089	0.092	0.094	14.90
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9961									
Response Ratio = 0.00000 + 0.09095 *A + 0.00001 *A^2									
17) Allyl chloride	0.339	0.345	0.339	0.269	0.280	0.260	0.260	0.299	13.36
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9974									
Response Ratio = 0.00000 + 0.30171 *A + -0.02369 *A^2									
18) Methylene Chlorid	2.857	0.835	0.633	0.453	0.366	0.352	0.342	0.834	109.14
---- Linear regr., Force(0,0) ---- Coefficient = 0.9968									

```
                Response Ratio = 0.00000 + 0.39106 *A

19)  Acetone           0.274 0.202 0.166 0.218 0.193 0.196 0.189 0.206  16.58
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9968
                Response Ratio = 0.00000 + 0.20330 *A + -0.00129 *A^2

20)  Methyl acetate    0.367 0.339 0.380 0.377 0.389 0.393 0.392 0.377   5.07
21)  trans-1,2-Dichlor 0.372 0.295 0.318 0.300 0.330 0.331 0.331 0.325   7.77
22)  Hexane            0.174 0.147 0.139 0.125 0.167 0.157 0.157 0.152  10.94
23)  Methyl Tert Butyl 0.702 0.592 0.650 0.624 0.643 0.636 0.629 0.639   5.19
24)  Tert butyl alcoho 0.154 0.136 0.147 0.137 0.140 0.141 0.139 0.142   4.66
25)  Acetonitrile      0.113 0.105 0.102 0.078 0.080 0.079 0.076 0.090  17.12
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9968
                Response Ratio = 0.00000 + 0.08895 *A + -0.00069 *A^2

26)  Di-isopropyl ethe 0.817 0.724 0.780 0.765 0.805 0.808 0.798 0.785   4.12
27)  Chloroprene       0.029 0.065 0.070 0.054 0.058 0.059 0.060 0.056  22.99
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9965
                Response Ratio = 0.00000 + 0.05846 *A + 0.00038 *A^2

28)P 1,1-Dichloroethan 0.470 0.365 0.408 0.385 0.411 0.409 0.403 0.407   7.93
29)  Acrylonitrile     0.172 0.187 0.166 0.163 0.186 0.186 0.189 0.178   6.21
30)  ETBE              0.839 0.713 0.749 0.731 0.767 0.769 0.755 0.760   5.24
31)  Vinyl acetate     0.197 0.479 0.465 0.462 0.547 0.540 0.547 0.462  26.65
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
                Response Ratio = 0.00000 + 0.47656 *A + 0.00786 *A^2

32)  cis-1,2-Dichloroe 0.270 0.191 0.212 0.194 0.210 0.211 0.208 0.214  12.20
33)  2,2-Dichloropropa 0.374 0.309 0.335 0.297 0.333 0.335 0.326 0.330   7.38
34)  Bromochloromethan 0.085 0.090 0.100 0.094 0.098 0.097 0.094 0.094   5.55
35)  Cyclohexane       0.434 0.353 0.368 0.331 0.402 0.405 0.402 0.385   9.21
36)C Chloroform        0.449 0.362 0.401 0.372 0.394 0.373 0.366 0.388   7.88
37)  Ethyl acetate     0.414 0.499 0.461 0.428 0.481 0.472 0.475 0.461   6.49
38)  Tetrahydrofuran   0.292 0.239 0.252 0.234 0.228 0.224 0.220 0.241  10.26
39)S Dibromofluorometh 0.272 0.274 0.278 0.288 0.281 0.280 0.284 0.280   1.98
40)  Carbon Tetrachlor 0.322 0.269 0.291 0.258 0.289 0.291 0.288 0.287   6.94
41)  1,1,1-Trichloroet 0.413 0.311 0.341 0.305 0.334 0.335 0.328 0.338  10.51
42)  2-Butanone        0.249 0.269 0.250 0.343 0.314 0.322 0.313 0.294  12.82
43)  1,1-Dichloroprope 0.300 0.252 0.283 0.259 0.287 0.291 0.284 0.279   6.25
44)  tert-Butyl Format 0.201 0.327 0.243 0.234 0.246 0.243 0.256 0.250  15.19
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9968
                Response Ratio = 0.00000 + 0.24229 *A + 0.00104 *A^2

45)  Propionitrile     0.101 0.122 0.118 0.096 0.097 0.096 0.095 0.104  11.23
46)  Methacrylonitrile 0.304 0.339 0.312 0.249 0.254 0.250 0.243 0.279  13.87
47)  Benzene           0.958 0.767 0.821 0.764 0.814 0.811 0.789 0.818   8.03
48)  TAME              0.707 0.566 0.621 0.590 0.607 0.599 0.589 0.611   7.49
49)S 1,2-Dichloroethan 0.308 0.313 0.315 0.331 0.305 0.304 0.303 0.311   3.21
50)  Isobutyl alcohol  0.028 0.035 0.035 0.029 0.030 0.031 0.030 0.031   8.77
51)  1,2-Dichloroethan 0.338 0.311 0.330 0.306 0.315 0.313 0.307 0.317   3.79
52)  Tert Amyl Alcohol 0.127 0.115 0.122 0.115 0.120 0.121 0.117 0.120   3.56
53)  Trichloroethene   0.293 0.202 0.218 0.198 0.217 0.220 0.215 0.223  14.19
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9989
                Response Ratio = 0.00000 + 0.21114 *A + 0.00313 *A^2

54)  Methylcyclohexane 0.340 0.278 0.271 0.239 0.308 0.303 0.304 0.292  11.02
55)  Dibromomethane    0.117 0.127 0.136 0.136 0.142 0.141 0.140 0.134   6.66
56)C 1,2-Dichloropropa 0.258 0.218 0.230 0.223 0.235 0.234 0.235 0.233   5.42
57)  Bromodichlorometh 0.287 0.247 0.282 0.263 0.281 0.279 0.278 0.274   5.06
58)  Methyl methacryla 0.208 0.327 0.291 0.261 0.273 0.278 0.285 0.275  13.06
```

Initial Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VI2688-ICC2688
Lab FileID: I751211.D

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 59)  1,4-Dioxane        0.008 0.008 0.009 0.008 0.009 0.008 0.009 0.008   4.61
 60)  2-Chloroethyl vin 0.122 0.230 0.176 0.175 0.187 0.184 0.192 0.181  17.64
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9976
               Response Ratio = 0.00000 + 0.18005 *A + 0.00103 *A^2

 61)  cis-1,3-Dichlorop 0.349 0.301 0.317 0.310 0.335 0.338 0.336 0.327   5.29

 62) I   Chlorobenzene-d5      ----------------ISTD--------------------
 63)S Toluene-d8         1.319 1.306 1.370 1.336 1.367 1.332 1.344 1.339   1.75
 64)C Toluene            1.337 1.028 1.120 1.026 1.127 1.110 1.091 1.120   9.31
 65)  2-Nitropropane     0.179 0.152 0.176 0.174 0.182 0.182 0.180 0.175   6.01
 66)  4-Methyl-2-pentan 0.654 0.608 0.557 0.717 0.666 0.664 0.635 0.643   7.82
 67)  trans-1,3-Dichlor 0.339 0.302 0.368 0.351 0.377 0.377 0.373 0.355   7.76
 68)  Tetrachloroethene 0.320 0.273 0.312 0.283 0.307 0.300 0.297 0.299   5.46
 69)  Ethyl methacrylat 0.280 0.415 0.423 0.352 0.382 0.373 0.374 0.371  12.75
 70)  1,1,2-Trichloroet 0.193 0.203 0.225 0.214 0.225 0.217 0.213 0.213   5.35
 71)  Dibromochlorometh 0.280 0.267 0.285 0.277 0.296 0.299 0.295 0.286   4.11
 72)  1,3-Dichloropropa 0.487 0.401 0.448 0.425 0.450 0.442 0.432 0.441   5.98
 73)  1,2-Dibromoethane 0.262 0.248 0.285 0.273 0.285 0.284 0.282 0.274   5.20
 74)  3,3-dimethyl-1-bu 0.108 0.183 0.148 0.142 0.158 0.151 0.154 0.149  14.91
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9980
               Response Ratio = 0.00000 + 0.15142 *A + 0.00002 *A^2

 75)  2-hexanone         0.438 0.502 0.476 0.613 0.568 0.573       0.528  12.62
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9969
               Response Ratio = 0.00000 + 0.54499 *A + 0.00493 *A^2

 76)  1-Chlorohexane     0.371 0.292 0.311 0.289 0.348 0.345 0.340 0.328   9.45
 77)C Ethylbenzene       1.500 1.122 1.237 1.140 1.231 1.227 1.202 1.237  10.07
 78)P Chlorobenzene      0.785 0.633 0.717 0.664 0.707 0.698 0.681 0.698   6.86
 79)  1,1,1,2-Tetrachlo 0.275 0.236 0.265 0.253 0.269 0.266 0.263 0.261   4.96
 80)  m,p-Xylene         1.079 0.815 0.919 0.855 0.944 0.936 0.923 0.924   8.98
 81)  o-Xylene           1.044 0.814 0.928 0.870 0.955 0.947 0.935 0.928   7.73
 82)  Styrene            0.609 0.562 0.638 0.636 0.693 0.710 0.705 0.651   8.50
 83)P Bromoform          0.186 0.193 0.214 0.208 0.224 0.227 0.227 0.211   7.77
 84)  Isopropylbenzene   1.261 0.996 1.060 1.016 1.150 1.152 1.129 1.109   8.30

 85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
 86)S 4-Bromofluorobenz 0.821 0.832 0.835 0.820 0.821 0.833 0.837 0.828   0.87
 87)  cis-1,4-Dichloro- 0.310 0.415 0.450 0.320 0.332 0.345 0.340 0.359  14.70
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9942
               Response Ratio = 0.00000 + 0.35981 *A + -0.01151 *A^2

 88)  n-Propylbenzene    3.064 2.456 2.491 2.299 2.585 2.708 2.608 2.602   9.28
 89)  Bromobenzene       0.663 0.545 0.588 0.535 0.569 0.587 0.566 0.579   7.26
 90)P 1,1,2,2-Tetrachlo 0.964 0.863 0.930 0.836 0.868 0.886 0.855 0.886   5.11
 91)  1,3,5-Trimethylbe 1.993 1.709 1.716 1.623 1.786 1.880 1.813 1.789   6.83
 92)  2-Chlorotoluene    2.216 1.586 1.754 1.599 1.691 1.776 1.698 1.760  12.12
 93)  trans-1,4-Dichlor 0.304 0.331 0.336 0.295 0.326 0.341 0.330 0.323   5.36
 94)  1,2,3-Trichloropr 0.313 0.275 0.288 0.271 0.279 0.291 0.275 0.284   5.03
 95)  Cyclohexanone      0.113 0.111 0.106 0.089 0.097 0.101 0.099 0.102   8.42
 96)  4-Chlorotoluene    1.776 1.477 1.501 1.394 1.539 1.620 1.551 1.551   7.81
 97)  tert-Butylbenzene 1.306 0.901 0.941 0.864 0.981 1.035 0.988 1.002  14.52
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9977
               Response Ratio = 0.00000 + 0.93274 *A + 0.03842 *A^2

 98)  1,2,4-Trimethylbe 1.945 1.576 1.650 1.598 1.764 1.855 1.784 1.739   7.89
 99)  Pentachloroethane 0.360 0.390 0.368 0.284 0.315 0.324 0.315 0.337  11.00
100)  sec-Butylbenzene  2.407 1.905 1.858 1.728 2.025 2.124 2.043 2.013  10.84
101)  4-Isopropyltoluen 1.882 1.548 1.601 1.535 1.770 1.862 1.783 1.712   8.62
```

Initial Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2688-ICC2688
Lab FileID: I751211.D

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102)  1,3-Dichlorobenze 1.148 0.899 0.958 0.911 0.991 1.040 0.998 0.992   8.54
103)  1,2,3-Trimethylbe 1.135 0.837 0.871 0.831 0.896 0.930 0.895 0.914  11.36
104)  1,4-Dichlorobenze 1.408 1.053 1.092 0.965 1.029 1.054 1.020 1.089  13.41
105)  n-Butylbenzene    1.016 0.851 0.869 0.832 0.923 1.064 1.017 0.939   9.91
106)  Benzyl Chloride   0.264 0.230 0.268 0.266 0.288 0.334 0.321 0.282  12.77
107)  1,2-Dichlorobenze 1.104 0.932 0.965 0.899 0.884 0.994 0.966 0.963   7.61
108)  1,2-Dibromo-3-Chl 0.277 0.234 0.274 0.255 0.247 0.285 0.257 0.261   6.96
109)  Hexachlorobutadie 0.327 0.242 0.219 0.204 0.230 0.265 0.232 0.245  16.57
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9929
               Response Ratio = 0.00000 + 0.22830 *A + 0.00706 *A^2

110)  1,2,4-Trichlorobe 0.590 0.558 0.562 0.542 0.548 0.646 0.576 0.575   6.19
111)  Naphthalene       2.270 1.916 2.130 2.057 1.971 2.352 2.000 2.100   7.68
112)  1,2,3-Trichlorobe 0.688 0.553 0.572 0.540 0.599 0.627 0.554 0.590   8.91
 ----------------------------------------------------------------------------
 (#) = Out of Range

          2022-09-09APP9-I.m        Mon Sep 12 11:36:05 2022
```

Initial Calibration Verification

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2688-ICV2688
Lab FileID: I751215.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2022-09-09\I751215.D Vial: 10
Acq On : 9 Sep 2022 1:14 pm Operator: joannel
Sample : ICV2688-5 Inst : MSVOA16
Misc : MS52329,VI2688,,,,, Multiplr: 1.00
MS Integration Params: tiny.p

Method : C:\msdchem\1\met...22-09-09APP9-I.m (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Mon Sep 12 11:32:06 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	104	0.00	8.34
2	Dichlorodifluoromethane	0.215	0.184	14.4	86	0.00	2.39
		Amount	Calc.	%Drift			
3 P	Chloromethane	40.000	37.848	5.4	98	0.00	2.71
		AvgRF	CCRF	%Dev			
4 C	Vinyl Chloride	0.259	0.241	6.9	97	0.00	2.85
		Amount	Calc.	%Drift			
5	1,3-Butadiene	40.000	49.382	-23.5#	128	0.00	2.90
6	Bromomethane	40.000	36.548	8.6	101	0.00	3.39
7	Chloroethane	40.000	38.653	3.4	100	0.00	3.58
8	Trichlorofluoromethane	40.000	35.750	10.6	86	0.00	3.79
		AvgRF	CCRF	%Dev			
9	Ethyl Ether	0.224	0.193	13.8	89	0.01	4.32
10	1,2-Dichlorotrifluoroetha	0.277	0.240	13.4	90	0.00	4.56
11 C	1,1-Dichloroethene	0.344	0.334	2.9	100	0.00	4.55
		Amount	Calc.	%Drift			
12	Ethanol	800.000	757.369	5.3	106	0.02	4.58
		AvgRF	CCRF	%Dev			
13	Freon 113	0.215	0.188	12.6	88	0.00	4.61
14	Carbon Disulfide	0.599	0.526	12.2	91	0.00	4.59
		Amount	Calc.	%Drift			
15	Iodomethane	40.000	37.049	7.4	87	0.00	4.75
16	Acrolein	200.000	191.603	4.2	100	0.00	5.02
17	Allyl chloride	40.000	44.504	-11.3	116	0.00	5.20
18	Methylene Chloride	40.000	35.256	11.9	98	0.00	5.34
19	Acetone	200.000	198.366	0.8	106	0.00	5.40
		AvgRF	CCRF	%Dev			
20	Methyl acetate	0.377	0.395	-4.8	106	0.00	5.56
21	trans-1,2-Dichloroethene	0.325	0.313	3.7	99	0.00	5.56
22	Hexane	0.152	0.138	9.2	86	0.00	5.66
23	Methyl Tert Butyl Ether	0.639	0.591	7.5	96	0.00	5.70
24	Tert butyl alcohol	0.142	0.133	6.3	99	0.00	5.83
		Amount	Calc.	%Drift			

Initial Calibration Verification

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2688-ICV2688
Lab FileID: I751215.D

25		Acetonitrile	400.000	370.427	7.4	101	0.00	5.96
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.785	0.741	5.6	96	0.00	6.16
			Amount	Calc.	%Drift			
27		Chloroprene	40.000	211.220	-428.1#	568	0.00	6.28
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane	0.407	0.398	2.2	101	0.00	6.30
29		Acrylonitrile	0.178	0.192	-7.9	108	0.00	6.35
30		ETBE	0.760	0.679	10.7	92	0.00	6.59
			Amount	Calc.	%Drift			
31		Vinyl acetate	200.000	201.757	-0.9	98	0.00	6.59
			AvgRF	CCRF	%Dev			
32		cis-1,2-Dichloroethene	0.214	0.208	2.8	103	0.00	6.95
33		2,2-Dichloropropane	0.330	0.303	8.2	95	0.00	7.07
34		Bromochloromethane	0.094	0.091	3.2	97	0.00	7.18
35		Cyclohexane	0.385	0.379	1.6	98	0.00	7.20
36	C	Chloroform	0.388	0.351	9.5	93	0.00	7.25
37		Ethyl acetate	0.461	0.479	-3.9	104	0.00	7.36
38		Tetrahydrofuran	0.241	0.218	9.5	100	0.00	7.45
39	S	Dibromofluoromethane	0.280	0.277	1.1	103	0.00	7.45
40		Carbon Tetrachloride	0.287	0.278	3.1	100	0.00	7.43
41		1,1,1-Trichloroethane	0.338	0.319	5.6	100	0.00	7.49
42		2-Butanone	0.294	0.326	-10.9	108	0.00	7.57
43		1,1-Dichloropropene	0.279	0.267	4.3	97	0.00	7.63
			Amount	Calc.	%Drift			
44		tert-Butyl Formate	200.000	160.664	19.7	84	0.00	7.73
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.104	0.097	6.7	105	0.00	7.89
46		Methacrylonitrile	0.279	0.248	11.1	102	0.00	7.91
47		Benzene	0.818	0.764	6.6	98	0.00	7.90
48		TAME	0.611	0.577	5.6	99	0.00	8.01
49	S	1,2-Dichloroethane-d4	0.311	0.290	6.8	99	0.00	8.04
50		Isobutyl alcohol	0.031	0.031	0.0	106	0.00	8.10
51		1,2-Dichloroethane	0.317	0.293	7.6	97	0.00	8.12
52		Tert Amyl Alcohol	0.120	0.114	5.0	99	0.00	8.21
			Amount	Calc.	%Drift			
53		Trichloroethene	40.000	38.780	3.0	100	0.00	8.53
			AvgRF	CCRF	%Dev			
54		Methylcyclohexane	0.292	0.286	2.1	97	0.00	8.54
55		Dibromomethane	0.134	0.129	3.7	95	0.00	8.98
56	C	1,2-Dichloropropane	0.233	0.212	9.0	94	0.00	9.06
57		Bromodichloromethane	0.274	0.271	1.1	101	0.00	9.12
58		Methyl methacrylate	0.275	0.273	0.7	104	0.00	9.25
59		1,4-Dioxane	0.008	0.009	-12.5	106	0.00	9.32
			Amount	Calc.	%Drift			
60		2-Chloroethyl vinyl ether	200.000	197.099	1.5	101	0.00	9.66
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.327	0.310	5.2	97	0.00	9.76

Initial Calibration Verification

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2688-ICV2688
Lab FileID: I751215.D

62	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	11.51
63	S	Toluene-d8	1.339	1.361	-1.6	103	0.00	9.95
64	C	Toluene	1.120	1.063	5.1	98	0.00	10.01
65		2-Nitropropane	0.175	0.172	1.7	98	0.00	10.21
66		4-Methyl-2-pentanone	0.643	0.669	-4.0	104	0.00	10.34
67		trans-1,3-Dichloropropene	0.355	0.383	-7.9	105	0.00	10.40
68		Tetrachloroethene	0.299	0.291	2.7	98	0.00	10.41
69		Ethyl methacrylate	0.371	0.369	0.5	100	0.00	10.52
70		1,1,2-Trichloroethane	0.213	0.211	0.9	97	0.00	10.57
71		Dibromochloromethane	0.286	0.268	6.3	94	0.00	10.77
72		1,3-Dichloropropane	0.441	0.389	11.8	90	0.00	10.85
73		1,2-Dibromoethane	0.274	0.268	2.2	98	0.00	11.02
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	1912.702	4.4	96	0.00	11.13
75		2-hexanone	200.000	204.281	-2.1	105	0.00	11.16
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.328	0.331	-0.9	99	0.00	11.48
77	C	Ethylbenzene	1.237	1.177	4.9	99	0.00	11.54
78	P	Chlorobenzene	0.698	0.673	3.6	99	0.00	11.53
79		1,1,1,2-Tetrachloroethane	0.261	0.252	3.4	97	0.00	11.58
80		m,p-Xylene	0.924	0.895	3.1	98	0.00	11.68
81		o-Xylene	0.928	0.918	1.1	100	0.00	12.12
82		Styrene	0.651	0.656	-0.8	98	0.00	12.16
83	P	Bromoform	0.211	0.215	-1.9	100	0.00	12.22
84		Isopropylbenzene	1.109	1.110	-0.1	100	0.00	12.42
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00	13.88
86	S	4-Bromofluorobenzene	0.828	0.829	-0.1	101	0.00	12.73
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	37.789	5.5	100	0.00	12.77
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	2.602	2.586	0.6	100	0.00	12.84
89		Bromobenzene	0.579	0.542	6.4	95	0.00	12.85
90	P	1,1,2,2-Tetrachloroethane	0.886	0.851	4.0	98	0.00	12.90
91		1,3,5-Trimethylbenzene	1.789	1.788	0.1	100	0.00	13.02
92		2-Chlorotoluene	1.760	1.675	4.8	99	0.00	13.02
93		trans-1,4-Dichloro-2-Bute	0.323	0.311	3.7	95	0.00	13.08
94		1,2,3-Trichloropropane	0.284	0.258	9.2	92	0.00	13.05
95		Cyclohexanone	0.102	0.107	-4.9	110	0.00	13.12
96		4-Chlorotoluene	1.551	1.527	1.5	99	0.00	13.19
			Amount	Calc.	%Drift			
97		tert-Butylbenzene	40.000	40.446	-1.1	99	0.00	13.37
			AvgRF	CCRF	%Dev			
98		1,2,4-Trimethylbenzene	1.739	1.770	-1.8	100	0.00	13.43
99		Pentachloroethane	0.337	0.333	1.2	105	0.00	13.41
100		sec-Butylbenzene	2.013	2.100	-4.3	103	0.00	13.55
101		4-Isopropyltoluene	1.712	1.834	-7.1	103	0.00	13.68
102		1,3-Dichlorobenzene	0.992	0.988	0.4	99	0.00	13.81
103		1,2,3-Trimethylbenzene	0.914	1.868	-104.4#	208#	0.00	13.90
104		1,4-Dichlorobenzene	1.089	1.018	6.5	99	0.00	13.90
105		n-Butylbenzene	0.939	0.948	-1.0	102	0.00	14.12
106		Benzyl Chloride	0.282	0.278	1.4	96	0.00	14.13
107		1,2-Dichlorobenzene	0.963	0.947	1.7	107	0.00	14.33
108		1,2-Dibromo-3-Chloropropa	0.261	0.259	0.8	105	0.00	15.09

Initial Calibration Verification

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2688-ICV2688
Lab FileID: I751215.D

		Amount	Calc.	%Drift			
109	Hexachlorobutadiene	40.000	41.420	-3.6	105	0.00	15.66

		AvgRF	CCRF	%Dev			
110	1,2,4-Trichlorobenzene	0.575	0.599	-4.2	109	0.00	15.69
111	Naphthalene	2.100	2.235	-6.4	113	0.00	15.97
112	1,2,3-Trichlorobenzene	0.590	0.598	-1.4	100	0.00	16.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I751211.D 2022-09-09APP9-I.m Mon Sep 12 11:35:41 2022

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2691-CC2688
Lab FileID: I751274.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2022-09-14\I751274.D Vial: 2
Acq On : 14 Sep 2022 11:12 am Operator: joannel
Sample : CC2688-5 Inst : MSVOA16
Misc : MS52329,VI2691,,,,, Multiplr: 1.00
MS Integration Params: tiny.p

Method : C:\msdchem\1\met...22-09-09APP9-I.m (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Mon Sep 12 11:32:06 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	92	0.00	8.34
2	Dichlorodifluoromethane	0.215	0.219	-1.9	91	0.00	2.39
		Amount	Calc.	%Drift			
3 P	Chloromethane	40.000	41.146	-2.9	94	0.00	2.71
		AvgRF	CCRF	%Dev			
4 C	Vinyl Chloride	0.259	0.269	-3.9	95	0.00	2.86
		Amount	Calc.	%Drift			
5	1,3-Butadiene	40.000	46.087	-15.2	106	0.00	2.90
6	Bromomethane	40.000	44.766	-11.9	107	0.00	3.39
7	Chloroethane	40.000	46.969	-17.4	106	0.00	3.58
8	Trichlorofluoromethane	40.000	51.988	-30.0#	106	0.00	3.80
		AvgRF	CCRF	%Dev			
9	Ethyl Ether	0.224	0.243	-8.5	99	0.00	4.31
10	1,2-Dichlorotrifluoroetha	0.277	0.306	-10.5	101	0.00	4.56
11 C	1,1-Dichloroethene	0.344	0.380	-10.5	100	0.00	4.56
		Amount	Calc.	%Drift			
12	Ethanol	800.000	745.424	6.8	92	0.00	4.55
		AvgRF	CCRF	%Dev			
13	Freon 113	0.215	0.245	-14.0	101	0.01	4.62
14	Carbon Disulfide	0.599	0.650	-8.5	99	0.00	4.60
		Amount	Calc.	%Drift			
15	Iodomethane	40.000	47.306	-18.3	100	0.00	4.75
16	Acrolein	200.000	201.772	-0.9	92	0.00	5.01
17	Allyl chloride	40.000	42.592	-6.5	98	0.00	5.20
18	Methylene Chloride	40.000	40.415	-1.0	99	0.00	5.34
19	Acetone	200.000	192.143	3.9	91	0.00	5.39
		AvgRF	CCRF	%Dev			
20	Methyl acetate	0.377	0.403	-6.9	95	0.00	5.56
21	trans-1,2-Dichloroethene	0.325	0.354	-8.9	98	0.00	5.56
22	Hexane	0.152	0.182	-19.7	100	0.00	5.66
23	Methyl Tert Butyl Ether	0.639	0.666	-4.2	95	0.00	5.69
24	Tert butyl alcohol	0.142	0.136	4.2	89	-0.01	5.81
		Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2691-CC2688
Lab FileID: I751274.D

25		Acetonitrile	400.000	379.532	5.1	91	0.00	5.96
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.785	0.825	-5.1	94	0.00	6.15
			Amount	Calc.	%Drift			
27		Chloroprene	40.000	42.532	-6.3	98	0.00	6.28
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane	0.407	0.427	-4.9	95	0.00	6.30
29		Acrylonitrile	0.178	0.190	-6.7	94	0.00	6.34
30		ETBE	0.760	0.798	-5.0	96	0.00	6.58
			Amount	Calc.	%Drift			
31		Vinyl acetate	200.000	225.717	-12.9	97	0.00	6.58
			AvgRF	CCRF	%Dev			
32		cis-1,2-Dichloroethene	0.214	0.222	-3.7	97	0.00	6.95
33		2,2-Dichloropropane	0.330	0.358	-8.5	99	0.00	7.06
34		Bromochloromethane	0.094	0.103	-9.6	97	0.00	7.18
35		Cyclohexane	0.385	0.438	-13.8	100	0.00	7.20
36	C	Chloroform	0.388	0.416	-7.2	97	0.00	7.25
37		Ethyl acetate	0.461	0.499	-8.2	95	0.00	7.36
38		Tetrahydrofuran	0.241	0.227	5.8	92	0.00	7.44
39	S	Dibromofluoromethane	0.280	0.281	-0.4	92	0.00	7.45
40		Carbon Tetrachloride	0.287	0.314	-9.4	100	0.00	7.43
41		1,1,1-Trichloroethane	0.338	0.362	-7.1	100	0.00	7.49
42		2-Butanone	0.294	0.311	-5.8	91	0.00	7.57
43		1,1-Dichloropropene	0.279	0.313	-12.2	100	0.00	7.63
			Amount	Calc.	%Drift			
44		tert-Butyl Formate	200.000	212.805	-6.4	98	0.00	7.73
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.104	0.097	6.7	91	0.00	7.88
46		Methacrylonitrile	0.279	0.266	4.7	96	0.00	7.91
47		Benzene	0.818	0.870	-6.4	98	0.00	7.90
48		TAME	0.611	0.622	-1.8	94	0.00	8.01
49	S	1,2-Dichloroethane-d4	0.311	0.301	3.2	91	0.00	8.04
50		Isobutyl alcohol	0.031	0.030	3.2	92	0.00	8.09
51		1,2-Dichloroethane	0.317	0.337	-6.3	98	0.00	8.11
52		Tert Amyl Alcohol	0.120	0.116	3.3	89	0.00	8.20
			Amount	Calc.	%Drift			
53		Trichloroethene	40.000	43.207	-8.0	98	0.00	8.53
			AvgRF	CCRF	%Dev			
54		Methylcyclohexane	0.292	0.347	-18.8	103	0.00	8.54
55		Dibromomethane	0.134	0.148	-10.4	96	0.00	8.97
56	C	1,2-Dichloropropane	0.233	0.248	-6.4	97	0.00	9.06
57		Bromodichloromethane	0.274	0.295	-7.7	96	0.00	9.12
58		Methyl methacrylate	0.275	0.279	-1.5	94	0.00	9.24
59		1,4-Dioxane	0.008	0.008	0.0	85	0.00	9.32
			Amount	Calc.	%Drift			
60		2-Chloroethyl vinyl ether	200.000	209.101	-4.6	95	0.00	9.66
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.327	0.353	-8.0	97	0.00	9.76

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2691-CC2688
Lab FileID: I751274.D

62	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00	11.51
63	S	Toluene-d8	1.339	1.321	1.3	93	0.00	9.94
64	C	Toluene	1.120	1.128	-0.7	96	0.00	10.00
65		2-Nitropropane	0.175	0.184	-5.1	97	0.00	10.20
66		4-Methyl-2-pentanone	0.643	0.656	-2.0	95	0.00	10.33
67		trans-1,3-Dichloropropene	0.355	0.379	-6.8	96	0.00	10.40
68		Tetrachloroethene	0.299	0.317	-6.0	99	0.00	10.41
69		Ethyl methacrylate	0.371	0.368	0.8	92	0.00	10.52
70		1,1,2-Trichloroethane	0.213	0.227	-6.6	97	0.00	10.56
71		Dibromochloromethane	0.286	0.303	-5.9	98	0.00	10.76
72		1,3-Dichloropropane	0.441	0.444	-0.7	95	0.00	10.84
73		1,2-Dibromoethane	0.274	0.283	-3.3	95	0.00	11.02
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	1953.900	2.3	91	0.00	11.13
75		2-hexanone	200.000	194.487	2.8	93	0.00	11.16
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.328	0.357	-8.8	99	0.00	11.47
77	C	Ethylbenzene	1.237	1.262	-2.0	98	0.00	11.54
78	P	Chlorobenzene	0.698	0.709	-1.6	96	0.00	11.53
79		1,1,1,2-Tetrachloroethane	0.261	0.270	-3.4	96	0.00	11.58
80		m,p-Xylene	0.924	0.955	-3.4	97	0.00	11.67
81		o-Xylene	0.928	0.953	-2.7	96	0.00	12.12
82		Styrene	0.651	0.702	-7.8	97	0.00	12.16
83	P	Bromoform	0.211	0.232	-10.0	99	0.00	12.22
84		Isopropylbenzene	1.109	1.177	-6.1	98	0.00	12.42
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00	13.88
86	S	4-Bromofluorobenzene	0.828	0.816	1.4	94	0.00	12.73
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	37.165	7.1	93	0.00	12.76
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	2.602	2.699	-3.7	99	0.00	12.84
89		Bromobenzene	0.579	0.581	-0.3	97	0.00	12.85
90	P	1,1,2,2-Tetrachloroethane	0.886	0.888	-0.2	97	0.00	12.90
91		1,3,5-Trimethylbenzene	1.789	1.862	-4.1	99	0.00	13.02
92		2-Chlorotoluene	1.760	1.752	0.5	98	0.00	13.02
93		trans-1,4-Dichloro-2-Bute	0.323	0.317	1.9	92	0.00	13.08
94		1,2,3-Trichloropropane	0.284	0.285	-0.4	96	0.00	13.05
95		Cyclohexanone	0.102	0.095	6.9	92	0.00	13.11
96		4-Chlorotoluene	1.551	1.585	-2.2	97	0.00	13.19
			Amount	Calc.	%Drift			
97		tert-Butylbenzene	40.000	42.666	-6.7	99	0.00	13.36
			AvgRF	CCRF	%Dev			
98		1,2,4-Trimethylbenzene	1.739	1.828	-5.1	98	0.00	13.43
99		Pentachloroethane	0.337	0.326	3.3	98	0.00	13.41
100		sec-Butylbenzene	2.013	2.160	-7.3	101	0.00	13.55
101		4-Isopropyltoluene	1.712	1.885	-10.1	101	0.00	13.68
102		1,3-Dichlorobenzene	0.992	1.021	-2.9	97	0.00	13.81
103		1,2,3-Trimethylbenzene	0.914	0.921	-0.8	97	0.00	13.89
104		1,4-Dichlorobenzene	1.089	1.072	1.6	99	0.00	13.90
105		n-Butylbenzene	0.939	0.969	-3.2	99	0.00	14.12
106		Benzyl Chloride	0.282	0.291	-3.2	96	0.00	14.13
107		1,2-Dichlorobenzene	0.963	0.924	4.0	99	0.00	14.33
108		1,2-Dibromo-3-Chloropropa	0.261	0.240	8.0	92	0.00	15.09

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2691-CC2688
Lab FileID: I751274.D

		Amount	Calc.	%Drift			
109	Hexachlorobutadiene	40.000	43.015	-7.5	104	0.00	15.65
		AvgRF	CCRF	%Dev			
110	1,2,4-Trichlorobenzene	0.575	0.571	0.7	99	0.00	15.69
111	Naphthalene	2.100	1.948	7.2	93	0.00	15.97
112	1,2,3-Trichlorobenzene	0.590	0.589	0.2	93	0.00	16.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I751211.D 2022-09-09APP9-I.m Wed Sep 14 12:02:14 2022

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2691-ECC2688
Lab FileID: I751300.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Je...2022\VI2691\I751300.d Vial: 28
Acq On : 14 Sep 2022 9:29 pm Operator: joannel
Sample : ECC2688-5 Inst : MSVOA16
Misc : MS52382,VI2691,,,,, Multiplr: 1.00
MS Integration Params: tiny.p

Method : C:\msdchem\1\met...22-09-09APP9-I.m (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Mon Sep 12 11:32:06 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	89	0.00	8.34
2	Dichlorodifluoromethane	0.215	0.208	3.3	84	0.00	2.39
	----------	True	Calc.	% Drift	----------		
3 P	Chloromethane	40.000	41.656	-4.1	92	0.00	2.71
	----------	AvgRF	CCRF	% Dev	----------		
4 C	Vinyl Chloride	0.259	0.269	-3.9	93	0.00	2.85
	----------	True	Calc.	% Drift	----------		
5	1,3-Butadiene	40.000	45.640	-14.1	102	0.00	2.89
6	Bromomethane	40.000	24.671	38.3	59	0.00	3.39
7	Chloroethane	40.000	45.436	-13.6	100	0.00	3.58
8	Trichlorofluoromethane	40.000	48.371	-20.9	97	0.00	3.79
	----------	AvgRF	CCRF	% Dev	----------		
9	Ethyl Ether	0.224	0.235	-4.9	93	0.00	4.31
10	1,2-Dichlorotrifluoroetha	0.277	0.298	-7.6	96	0.00	4.56
11 C	1,1-Dichloroethene	0.344	0.369	-7.3	94	0.00	4.56
	----------	True	Calc.	% Drift	----------		
12	Ethanol	800.000	782.634	2.2	93	0.00	4.55
	----------	AvgRF	CCRF	% Dev	----------		
13	Freon 113	0.215	0.232	-7.9	93	0.00	4.62
14	Carbon Disulfide	0.599	0.624	-4.2	93	0.00	4.60
	----------	True	Calc.	% Drift	----------		
15	Iodomethane	40.000	51.981	-30.0	108	0.00	4.75
16	Acrolein	200.000	187.811	6.1	83	0.00	5.01
17	Allyl chloride	40.000	41.026	-2.6	92	0.00	5.20
18	Methylene Chloride	40.000	39.460	1.3	94	0.00	5.33
19	Acetone	200.000	190.776	4.6	87	0.00	5.40
	----------	AvgRF	CCRF	% Dev	----------		
20	Methyl acetate	0.377	0.409	-8.5	94	0.00	5.56
21	trans-1,2-Dichloroethene	0.325	0.343	-5.5	93	0.00	5.56
22	Hexane	0.152	0.152	0.0	82	0.00	5.66
23	Methyl Tert Butyl Ether	0.639	0.647	-1.3	90	0.00	5.69
24	Tert butyl alcohol	0.142	0.144	-1.4	92	0.00	5.82
	----------	True	Calc.	% Drift	----------		

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2691-ECC2688
Lab FileID: I751300.D

25		Acetonitrile	400.000	394.947	1.3	92	0.00	5.96
			AvgRF	CCRF	% Dev			
26		Di-isopropyl ether	0.785	0.830	-5.7	92	0.00	6.15
			True	Calc.	% Drift			
27		Chloroprene	40.000	40.920	-2.3	92	0.00	6.28
			AvgRF	CCRF	% Dev			
28	P	1,1-Dichloroethane	0.407	0.424	-4.2	92	0.00	6.30
29		Acrylonitrile	0.178	0.190	-6.7	91	0.00	6.34
30		ETBE	0.760	0.785	-3.3	91	0.00	6.58
			True	Calc.	% Drift			
31		Vinyl acetate	200.000	211.821	-5.9	88	0.00	6.58
			AvgRF	CCRF	% Dev			
32		cis-1,2-Dichloroethene	0.214	0.224	-4.7	95	0.00	6.95
33		2,2-Dichloropropane	0.330	0.306	7.3	82	0.00	7.06
34		Bromochloromethane	0.094	0.101	-7.4	92	0.00	7.18
35		Cyclohexane	0.385	0.421	-9.4	94	0.00	7.20
36	C	Chloroform	0.388	0.414	-6.7	94	0.00	7.25
37		Ethyl acetate	0.461	0.494	-7.2	92	0.00	7.36
38		Tetrahydrofuran	0.241	0.235	2.5	92	0.00	7.44
39	S	Dibromofluoromethane	0.280	0.283	-1.1	90	0.00	7.45
40		Carbon Tetrachloride	0.287	0.305	-6.3	94	0.00	7.43
41		1,1,1-Trichloroethane	0.338	0.353	-4.4	94	0.00	7.49
42		2-Butanone	0.294	0.304	-3.4	86	0.00	7.57
43		1,1-Dichloropropene	0.279	0.302	-8.2	94	0.00	7.63
			True	Calc.	% Drift			
44		tert-Butyl Formate	200.000	199.141	0.4	89	0.00	7.73
			AvgRF	CCRF	% Dev			
45		Propionitrile	0.104	0.100	3.8	92	0.00	7.89
46		Methacrylonitrile	0.279	0.266	4.7	93	0.00	7.91
47		Benzene	0.818	0.862	-5.4	95	0.00	7.90
48		TAME	0.611	0.615	-0.7	90	0.00	8.01
49	S	1,2-Dichloroethane-d4	0.311	0.297	4.5	87	0.00	8.04
50		Isobutyl alcohol	0.031	0.032	-3.2	95	0.00	8.09
51		1,2-Dichloroethane	0.317	0.331	-4.4	94	0.00	8.11
52		Tert Amyl Alcohol	0.120	0.121	-0.8	90	0.00	8.20
			True	Calc.	% Drift			
53		Trichloroethene	40.000	42.324	-5.8	93	0.00	8.53
			AvgRF	CCRF	% Dev			
54		Methylcyclohexane	0.292	0.314	-7.5	91	0.00	8.54
55		Dibromomethane	0.134	0.143	-6.7	90	0.00	8.97
56	C	1,2-Dichloropropane	0.233	0.247	-6.0	94	0.00	9.06
57		Bromodichloromethane	0.274	0.291	-6.2	93	0.00	9.12
58		Methyl methacrylate	0.275	0.279	-1.5	91	0.00	9.24
59		1,4-Dioxane	0.008	0.008	0.0	88	0.00	9.32
			True	Calc.	% Drift			
60		2-Chloroethyl vinyl ether	200.000	200.263	-0.1	88	0.00	9.66
			AvgRF	CCRF	% Dev			
61		cis-1,3-Dichloropropene	0.327	0.338	-3.4	90	0.00	9.76

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2691-ECC2688
Lab FileID: I751300.D

62	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00	11.51
63	S	Toluene-d8	1.339	1.309	2.2	90	0.00	9.95
64	C	Toluene	1.120	1.117	0.3	93	0.00	10.00
65		2-Nitropropane	0.175	0.178	-1.7	92	0.00	10.20
66		4-Methyl-2-pentanone	0.643	0.625	2.8	88	0.00	10.34
67		trans-1,3-Dichloropropene	0.355	0.362	-2.0	90	0.00	10.40
68		Tetrachloroethene	0.299	0.331	-10.7	101	0.00	10.41
69		Ethyl methacrylate	0.371	0.363	2.2	89	0.00	10.52
70		1,1,2-Trichloroethane	0.213	0.222	-4.2	93	0.00	10.57
71		Dibromochloromethane	0.286	0.289	-1.0	92	0.00	10.76
72		1,3-Dichloropropane	0.441	0.433	1.8	90	0.00	10.85
73		1,2-Dibromoethane	0.274	0.279	-1.8	92	0.00	11.02
			True	Calc.	% Drift			
74		3,3-dimethyl-1-butanol	2000.000	1956.753	2.2	89	0.00	11.13
75		2-hexanone	200.000	188.679	5.7	88	0.00	11.16
			AvgRF	CCRF	% Dev			
76		1-Chlorohexane	0.328	0.334	-1.8	90	0.00	11.47
77	C	Ethylbenzene	1.237	1.234	0.2	94	0.00	11.54
78	P	Chlorobenzene	0.698	0.701	-0.4	93	0.00	11.53
79		1,1,1,2-Tetrachloroethane	0.261	0.265	-1.5	93	0.00	11.58
80		m,p-Xylene	0.924	0.930	-0.6	93	0.00	11.68
81		o-Xylene	0.928	0.928	0.0	91	0.00	12.12
82		Styrene	0.651	0.685	-5.2	93	0.00	12.16
83	P	Bromoform	0.211	0.219	-3.8	92	0.00	12.22
84		Isopropylbenzene	1.109	1.129	-1.8	92	0.00	12.42
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00	13.88
86	S	4-Bromofluorobenzene	0.828	0.816	1.4	91	0.00	12.73
			True	Calc.	% Drift			
87		cis-1,4-Dichloro-2-butene	40.000	33.950	15.1	83	0.00	12.77
			AvgRF	CCRF	% Dev			
88		n-Propylbenzene	2.602	2.623	-0.8	93	0.00	12.84
89		Bromobenzene	0.579	0.566	2.2	91	0.00	12.85
90	P	1,1,2,2-Tetrachloroethane	0.886	0.872	1.6	92	0.00	12.90
91		1,3,5-Trimethylbenzene	1.789	1.808	-1.1	93	0.00	13.02
92		2-Chlorotoluene	1.760	1.714	2.6	93	0.00	13.02
93		trans-1,4-Dichloro-2-Bute	0.323	0.291	9.9	82	0.00	13.08
94		1,2,3-Trichloropropane	0.284	0.282	0.7	93	0.00	13.05
95		Cyclohexanone	0.102	0.100	2.0	95	0.00	13.11
96		4-Chlorotoluene	1.551	1.521	1.9	91	0.00	13.19
			True	Calc.	% Drift			
97		tert-Butylbenzene	40.000	41.849	-4.6	94	0.00	13.36
			AvgRF	CCRF	% Dev			
98		1,2,4-Trimethylbenzene	1.739	1.755	-0.9	91	0.00	13.43
99		Pentachloroethane	0.337	0.282	16.3	82	0.00	13.41
100		sec-Butylbenzene	2.013	2.088	-3.7	95	0.00	13.55
101		4-Isopropyltoluene	1.712	1.785	-4.3	93	0.00	13.68
102		1,3-Dichlorobenzene	0.992	0.993	-0.1	92	0.00	13.81
103		1,2,3-Trimethylbenzene	0.914	0.901	1.4	92	0.00	13.89
104		1,4-Dichlorobenzene	1.089	1.041	4.4	93	0.00	13.90
105		n-Butylbenzene	0.939	0.967	-3.0	96	0.00	14.12
106		Benzyl Chloride	0.282	0.241	14.5	77	0.00	14.13
107		1,2-Dichlorobenzene	0.963	0.956	0.7	99	0.00	14.33
108		1,2-Dibromo-3-Chloropropa	0.261	0.269	-3.1	100	0.00	15.08

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2691-ECC2688
Lab FileID: I751300.D

		True	Calc.	% Drift			
109	Hexachlorobutadiene	40.000	43.087	-7.7	101	0.00	15.65

		AvgRF	CCRF	% Dev			
110	1,2,4-Trichlorobenzene	0.575	0.599	-4.2	100	0.00	15.69
111	Naphthalene	2.100	2.203	-4.9	103	0.00	15.97
112	1,2,3-Trichlorobenzene	0.590	0.604	-2.4	93	0.00	16.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I751211.D 2022-09-09APP9-I.m Thu Sep 15 01:28:36 2022

Initial Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2677-ICC2677
Lab FileID: Y64575.D

Response Factor Report MSVOA14-Y

Method : C:\msdchem\1\MET...X_09-08-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration

Calibration Files
1 =Y64571.D 2 =Y64572.D 3 =Y64573.D 4 =Y64574.D
5 =Y64575.D 6 =Y64576.D 7 =Y64577.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	ISTD								
2) Dichlorodifluorom	0.295	0.216	0.189	0.190	0.204	0.217	0.213	0.218	16.64
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987									
Response Ratio = 0.00000 + 0.19701 *A + 0.00930 *A^2									
3) Acrolein	0.019	0.040	0.046	0.064	0.067	0.070	0.070	0.054	35.97
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9967									
Response Ratio = 0.00000 + 0.05645 *A + 0.00155 *A^2									
4)P Chloromethane	0.370	0.283	0.253	0.260	0.277	0.273	0.265	0.283	14.07
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9991									
Response Ratio = 0.00000 + 0.27268 *A + -0.00270 *A^2									
5) 1,3-butadiene	0.390	0.283	0.241	0.221	0.240	0.218	0.214	0.258	24.20
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9984									
Response Ratio = 0.00000 + 0.24835 *A + -0.01822 *A^2									
6)C Vinyl Chloride	0.323	0.285	0.247	0.267	0.272	0.279	0.279	0.279	8.22
7) Bromomethane	0.110	0.076	0.079	0.080	0.091	0.091	0.090	0.088	13.17
8) Chloroethane	0.184	0.202	0.120	0.103	0.094	0.089	0.081	0.125	38.85
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9967									
Response Ratio = 0.00000 + 0.10910 *A + -0.01409 *A^2									
9) Trichlorofluorome	0.332	0.305	0.267	0.301	0.333	0.322		0.310	8.04
10) Ethyl Ether	0.276	0.242	0.228	0.236	0.233	0.239	0.233	0.241	6.70
11) Ethanol		0.004	0.007	0.008	0.009	0.009	0.009	0.008	25.03
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9953									
Response Ratio = 0.00000 + 0.00751 *A + 0.00004 *A^2									
12) 1,2-Dichlorotrifl	0.354	0.308	0.270	0.271	0.277	0.278	0.279	0.291	10.52
13)C 1,1-Dichloroethen	0.396	0.341	0.308	0.320	0.327	0.338	0.334	0.338	8.28
14) Freon 113	0.298	0.250	0.216	0.221	0.216	0.232	0.226	0.237	12.44
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992									
Response Ratio = 0.00000 + 0.22246 *A + 0.00236 *A^2									
15) Carbon Disulfide	0.779	0.581	0.529	0.605	0.625	0.643	0.655	0.631	12.33
16) Iodomethane		0.020	0.035	0.061	0.092	0.104	0.122	0.072	55.93
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9941									
Response Ratio = 0.00000 + 0.04574 *A + 0.03975 *A^2									
17) Allyl chloride	0.306	0.279	0.283	0.293	0.321	0.300	0.289	0.296	4.84
18) Methylene Chlorid	2.735	0.737	0.634	0.462	0.394	0.375	0.362	0.814	105.48
---- Linear regr., Force(0,0) ---- Coefficient = 0.9968									
Response Ratio = 0.00000 + 0.40872 *A									
19) Acetone	0.097	0.148	0.134	0.134	0.131	0.143	0.141	0.132	12.62

Initial Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2677-ICC2677
Lab FileID: Y64575.D

```
20)  Methyl acetate    0.278 0.271 0.284 0.314 0.318 0.341 0.346 0.308   9.87
21)  trans-1,2-Dichlor 0.374 0.314 0.307 0.323 0.326 0.334 0.337 0.331   6.60
22)  Hexane            0.260 0.208 0.171 0.180 0.180 0.184 0.183 0.195  15.67
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9993
              Response Ratio = 0.00000 + 0.18291 *A + -0.00008 *A^2

23)  Methyl Tert Butyl 0.827 0.786 0.751 0.777 0.785 0.790 0.802 0.788   2.96
24)  Tert Butyl Alcoho 0.067 0.068 0.079 0.080 0.085 0.095 0.096 0.082  14.44
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9991
              Response Ratio = 0.00000 + 0.07645 *A + 0.00108 *A^2

25)  Acetonitrile      0.033 0.040 0.062 0.059 0.068 0.066 0.065 0.056  24.48
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9969
              Response Ratio = 0.00000 + 0.05961 *A + 0.00034 *A^2

26)  Di-isopropyl ethe 0.951 0.803 0.784 0.839 0.856 0.874 0.887 0.856   6.50
27)  Chloroprene             0.054 0.057 0.054 0.061 0.058 0.059 0.057   4.90
28)P 1,1-Dichloroethan 0.512 0.426 0.417 0.421 0.419 0.429 0.434 0.437   7.73
29)  Acrylonitrile     0.070 0.103 0.166 0.139 0.150 0.154 0.160 0.135  26.11
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9974
              Response Ratio = 0.00000 + 0.13750 *A + 0.00234 *A^2

30)  ETBE              0.815 0.763 0.767 0.811 0.827 0.856 0.886 0.818   5.42
31)  Vinyl acetate     0.363 0.440 0.678 0.613 0.643 0.686 0.714 0.591  22.86
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
              Response Ratio = 0.00000 + 0.58366 *A + 0.01353 *A^2

32)  cis-1,2-Dichloroe 0.342 0.271 0.251 0.263 0.265 0.267 0.263 0.274  11.03
33)  2,2-Dichloropropa 0.434 0.352 0.318 0.351 0.356 0.361 0.358 0.362   9.73
34)  Bromochloromethan 0.146 0.112 0.113 0.116 0.114 0.115 0.114 0.119  10.32
35)  Cyclohexane       0.567 0.480 0.434 0.435 0.443 0.461 0.462 0.469   9.85
36)C Chloroform        0.485 0.431 0.402 0.421 0.428 0.421 0.420 0.430   6.08
37)  Ethyl acetate     0.292 0.349 0.500 0.425 0.409 0.465 0.478 0.417  17.91
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9972
              Response Ratio = 0.00000 + 0.40492 *A + 0.00740 *A^2

38)  Tetrahydrofuran   0.244 0.152 0.170 0.180 0.186 0.187 0.183 0.186  15.17
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9985
              Response Ratio = 0.00000 + 0.18002 *A + 0.00250 *A^2

39)S Dibromofluorometh 0.212 0.216 0.221 0.219 0.220 0.218 0.219 0.218   1.44
40)  Carbon Tetrachlor 0.347 0.297 0.260 0.276 0.283 0.288 0.288 0.291   9.34
41)  1,1,1-Trichloroet 0.456 0.380 0.353 0.360 0.361 0.364 0.364 0.377   9.51
42)  2-Butanone        0.135 0.246 0.220 0.231 0.224 0.253 0.258 0.224  18.71
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9989
              Response Ratio = 0.00000 + 0.21687 *A + 0.00425 *A^2

43)  1,1-Dichloroprope 0.414 0.354 0.322 0.340 0.344 0.348 0.348 0.353   8.15
44)  tert-Butyl format 0.139 0.192 0.180 0.223 0.231 0.247 0.256 0.210  19.90
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9991
              Response Ratio = 0.00000 + 0.20188 *A + 0.00578 *A^2

45)  Propionitrile     0.059 0.064 0.069 0.071 0.079 0.082 0.083 0.073  12.80
46)  Methacrylonitrile 0.260 0.217 0.228 0.235 0.271 0.275 0.280 0.252  10.03
47)  Benzene           1.341 1.094 1.054 1.077 1.080 1.098 1.096 1.120   8.81
48)  TAME              0.829 0.743 0.711 0.745 0.779 0.792 0.821 0.774   5.60
49)S 1,2-Dichloroethan 0.286 0.287 0.285 0.280 0.278 0.276 0.287 0.283   1.63
50)  Isobutyl Alcohol  0.013 0.016 0.020 0.021 0.025 0.027 0.027 0.021  26.31
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9968
              Response Ratio = 0.00000 + 0.02066 *A + 0.00018 *A^2
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51)  1,2-Dichloroethan 0.360 0.318 0.320 0.329 0.344 0.353 0.348 0.339   4.80
52)  Tert Amyl Alcohol 0.067 0.058 0.067 0.071 0.080 0.090 0.093 0.075  17.57
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
              Response Ratio = 0.00000 + 0.06679 *A + 0.00142 *A^2

53)  Trichloroethene   0.399 0.258 0.259 0.264 0.265 0.268 0.270 0.283  18.07
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 0.26375 *A + 0.00298 *A^2

54)  Methylcyclohexane 0.521 0.455 0.410 0.407 0.427 0.448 0.445 0.445   8.62
55)  Dibromomethane    0.187 0.141 0.140 0.147 0.151 0.150 0.151 0.153  10.44
56)C 1,2-Dichloropropa 0.260 0.257 0.256 0.267 0.264 0.267 0.266 0.262   1.77
57)  Bromodichlorometh 0.284 0.263 0.262 0.281 0.287 0.299 0.306 0.283   5.84
58)  Methyl methacryla 0.094 0.228 0.233 0.275 0.313 0.318 0.324 0.255  31.81
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9982
              Response Ratio = 0.00000 + 0.26169 *A + 0.03437 *A^2

59)  1,4-Dioxane       0.005 0.006 0.008 0.008 0.008 0.008 0.008 0.007  15.77
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
              Response Ratio = 0.00000 + 0.00782 *A + 0.00000 *A^2

60)  2-Chloroethyl vin 0.054 0.091 0.076 0.096 0.095 0.098 0.104 0.088  19.63
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9989
              Response Ratio = 0.00000 + 0.08599 *A + 0.00185 *A^2

61)  cis-1,3-Dichlorop 0.388 0.339 0.354 0.384 0.405 0.412 0.418 0.386   7.69

62) I   Chlorobenzene-d5      ----------------ISTD---------------------
63)S Toluene-d8        1.302 1.339 1.338 1.293 1.273 1.227 1.185 1.279   4.44
64)C Toluene           2.058 1.581 1.493 1.504 1.515 1.504 1.482 1.591  13.11
65)  2-Nitropropane    0.126 0.118 0.126 0.144 0.153 0.161 0.161 0.141  12.73
66)  4-Methyl-2-pentan 0.472 0.667 0.581 0.598 0.610 0.699 0.700 0.618  13.03
67)  trans-1,3-Dichlor 0.404 0.382 0.424 0.440 0.465 0.472 0.475 0.437   8.15
68)  Tetrachloroethene 0.465 0.391 0.383 0.383 0.389 0.381 0.368 0.394   8.09
69)  Ethyl methacrylat 0.268 0.387 0.422 0.471 0.531 0.520 0.519 0.445  21.35
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
              Response Ratio = 0.00000 + 0.46442 *A + 0.03229 *A^2

70)  1,1,2-Trichloroet 0.361 0.269 0.269 0.264 0.261 0.261 0.255 0.277  13.48
71)  Dibromochlorometh 0.261 0.263 0.260 0.289 0.297 0.300 0.301 0.282   6.85
72)  1,3-Dichloropropa 0.679 0.591 0.582 0.576 0.582 0.572 0.560 0.592   6.70
73)  1,2-Dibromoethane 0.342 0.293 0.308 0.313 0.322 0.320 0.312 0.316   4.65
74)  3,3-dimethyl-1-bu 0.045 0.082 0.086 0.123 0.148 0.172       0.109  42.87
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9979
              Response Ratio = 0.00000 + 0.08822 *A + 0.00124 *A^2

75)  2-hexanone        0.264 0.555 0.465 0.480 0.517 0.853       0.522  36.57
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9902
              Response Ratio = 0.00000 + 0.30558 *A + 0.07439 *A^2

76)  1-Chlorohexane    0.506 0.441 0.435 0.457 0.474 0.479 0.472 0.466   5.20
77)C Ethylbenzene      2.092 1.684 1.678 1.704 1.765 1.814 1.843 1.797   8.07
78)P Chlorobenzene     1.153 0.944 0.904 0.929 0.954 0.960 0.966 0.973   8.44
79)  1,1,1,2-Tetrachlo 0.323 0.291 0.290 0.303 0.319 0.314 0.316 0.308   4.40
80)  m,p-Xylene        1.372 1.257 1.244 1.291 1.366 1.424 1.460 1.345   6.19
81)  o-Xylene          1.394 1.187 1.218 1.232 1.277 1.298 1.311 1.274   5.44
82)  Styrene           0.764 0.783 0.811 0.908 0.974 1.027 1.038 0.901  12.89
83)P Bromoform         0.189 0.167 0.169 0.197 0.217 0.234 0.243 0.202  14.92
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9989
```

Initial Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2677-ICC2677
Lab FileID: Y64575.D

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                Response Ratio = 0.00000 + 0.18362 *A + 0.03183 *A^2

 84)  Isopropylbenzene  1.374 1.399 1.411 1.489 1.545 1.555 1.615 1.484   6.18

 85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
 86)S 4-Bromofluorobenz 0.827 0.858 0.840 0.805 0.815 0.786 0.767 0.814   3.82
 87)  cis-1,4-Dichloro- 0.285 0.261 0.303 0.311 0.346 0.358 0.346 0.316  11.40
 88)  n-Propylbenzene   3.802 3.301 3.292 3.520 3.597 3.569 3.584 3.523   5.07
 89)  Bromobenzene      0.936 0.763 0.752 0.753 0.750 0.737 0.709 0.771   9.66
 90)P 1,1,2,2-Tetrachlo 1.175 1.084 1.064 1.057 1.114 1.150 1.107 1.107   3.95
 91)  1,3,5-Trimethylbe 2.449 2.070 2.171 2.225 2.265 2.242 2.280 2.243   5.14
 92)  2-Chlorotoluene   2.754 2.264 2.274 2.285 2.297 2.322 2.321 2.360   7.42
 93)  trans-1,4-Dichlor 0.266 0.237 0.270 0.275 0.296 0.324 0.323 0.284  11.17
 94)  1,2,3-Trichloropr 0.409 0.362 0.368 0.364 0.367 0.374 0.363 0.372   4.50
 95)  Cyclohexanone     0.078 0.060 0.092 0.084 0.084 0.085 0.078 0.080  12.66
 96)  4-Chlorotoluene   2.449 1.969 1.985 2.050 2.095 2.103 2.104 2.108   7.61
 97)  tert-Butylbenzene 1.322 1.096 1.095 1.139 1.164 1.158 1.160 1.162   6.56
 98)  1,2,4-Trimethylbe 2.400 2.029 2.057 2.140 2.231 2.244 2.303 2.200   6.07
 99)  Pentachloroethane 0.340 0.285 0.346 0.329 0.374 0.364 0.354 0.342   8.52
100)  sec-Butylbenzene  2.320 2.131 2.162 2.269 2.318 2.284 2.342 2.261   3.65
101)  4-Isopropyltoluen 1.874 1.730 1.726 1.882 1.908 1.902 1.931 1.850   4.63
102)  1,3-Dichlorobenze 1.532 1.201 1.185 1.201 1.233 1.226 1.210 1.255   9.79
103)  1,2,3-Trimethylbe 1.354 1.081 1.056 1.094 1.131 1.128 1.120 1.138   8.72
104)  1,4-Dichlorobenze 1.744 1.338 1.265 1.294 1.311 1.327 1.308 1.369  12.17
105)  n-Butylbenzene    0.759 0.711 0.703 0.796 0.820 0.828 0.828 0.778   6.92
106)  Benzyl Chloride   0.303 0.324 0.323 0.390 0.449 0.472 0.464 0.389  18.85
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9968
               Response Ratio = 0.00000 + 0.37943 *A + 0.04948 *A^2

107)  1,2-Dichlorobenze 1.523 1.205 1.173 1.205 1.256 1.276 1.243 1.269   9.27
108)  1,2-Dibromo-3-Chl 0.262 0.223 0.216 0.237 0.263 0.281 0.268 0.250   9.87
109)  Hexachlorobutadie 0.187 0.138 0.124 0.149 0.145 0.146 0.147 0.148  12.94
110)  1,2,4-Trichlorobe 0.745 0.544 0.557 0.598 0.613 0.605 0.578 0.606  10.99
111)  Naphthalene       3.442 2.835 2.901 3.017 3.114 3.102 2.975 3.055   6.49
112)  1,2,3-Trichlorobe 0.725 0.542 0.572 0.587 0.613 0.589 0.558 0.598  10.11
 ------------------------------------------------------------------------------
 (#) = Out of Range

           APPIX_09-08-2022_Y.M        Mon Sep 12 09:54:42 2022
```

Initial Calibration Verification

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2677-ICV2677
Lab FileID: Y64579.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-09-08\Y64579.D Vial: 10
Acq On : 8 Sep 2022 5:21 pm Operator: joannel
Sample : ICV2677-5 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_09-08-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Mon Sep 12 09:52:53 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	113	0.00	9.50
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	33.577	16.1	95	0.00	2.85
3	Acrolein	200.000	189.923	5.0	101	0.00	5.59
4 P	Chloromethane	40.000	35.894	10.3	99	0.00	3.17
5	1,3-butadiene	40.000	46.859	-17.1	128	0.00	3.34
		AvgRF	CCRF	%Dev			
6 C	Vinyl Chloride	0.279	0.245	12.2	102	0.00	3.31
7	Bromomethane	0.088	0.079	10.2	98	0.00	3.84
		Amount	Calc.	%Drift			
8	Chloroethane	40.000	33.155	17.1	100	0.00	4.02
		AvgRF	CCRF	%Dev			
9	Trichlorofluoromethane	0.310	0.341	-10.0	116	0.00	4.24
10	Ethyl Ether	0.241	0.211	12.4	102	0.00	4.76
		Amount	Calc.	%Drift			
11	Ethanol	800.000	823.045	-2.9	110	0.02	5.03
		AvgRF	CCRF	%Dev			
12	1,2-Dichlorotrifluoroetha	0.291	0.237	18.6	97	0.00	5.05
13 C	1,1-Dichloroethene	0.338	0.312	7.7	108	0.00	5.05
		Amount	Calc.	%Drift			
14	Freon 113	40.000	33.762	15.6	99	0.00	5.11
		AvgRF	CCRF	%Dev			
15	Carbon Disulfide	0.631	0.545	13.6	99	0.00	5.09
		Amount	Calc.	%Drift			
16	Iodomethane	40.000	33.988	15.0	76	0.00	5.28
		AvgRF	CCRF	%Dev			
17	Allyl chloride	0.296	0.339	-14.5	119	0.00	5.79
		Amount	Calc.	%Drift			
18	Methylene Chloride	40.000	35.891	10.3	105	0.00	5.96
		AvgRF	CCRF	%Dev			

Initial Calibration Verification

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2677-ICV2677
Lab FileID: Y64579.D

19		Acetone	0.132	0.141	-6.8	122	0.00	6.04
20		Methyl acetate	0.308	0.327	-6.2	116	0.00	6.23
21		trans-1,2-Dichloroethene	0.331	0.315	4.8	109	0.00	6.22
			Amount	Calc.	%Drift			
22		Hexane	40.000	35.249	11.9	101	0.00	6.33
			AvgRF	CCRF	%Dev			
23		Methyl Tert Butyl Ether	0.788	0.746	5.3	107	0.00	6.38
			Amount	Calc.	%Drift			
24		Tert Butyl Alcohol	400.000	392.808	1.8	111	0.00	6.55
25		Acetonitrile	400.000	397.071	0.7	104	0.00	6.79
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.856	0.794	7.2	105	0.00	6.99
27		Chloroprene	0.057	0.304	-433.3#	563#	0.00	7.18
28	P	1,1-Dichloroethane	0.437	0.428	2.1	115	0.00	7.21
			Amount	Calc.	%Drift			
29		Acrylonitrile	200.000	197.118	1.4	109	0.00	7.30
			AvgRF	CCRF	%Dev			
30		ETBE	0.818	0.751	8.2	103	0.00	7.58
			Amount	Calc.	%Drift			
31		Vinyl acetate	200.000	195.737	2.1	110	0.00	7.60
			AvgRF	CCRF	%Dev			
32		cis-1,2-Dichloroethene	0.274	0.256	6.6	110	0.00	8.03
33		2,2-Dichloropropane	0.362	0.325	10.2	103	0.00	8.17
34		Bromochloromethane	0.119	0.113	5.0	112	0.00	8.29
35		Cyclohexane	0.469	0.415	11.5	106	0.00	8.29
36	C	Chloroform	0.430	0.396	7.9	105	0.00	8.38
			Amount	Calc.	%Drift			
37		Ethyl acetate	200.000	202.678	-1.3	122	0.00	8.51
38		Tetrahydrofuran	40.000	39.337	1.7	109	0.00	8.59
			AvgRF	CCRF	%Dev			
39	S	Dibromofluoromethane	0.218	0.220	-0.9	113	0.00	8.60
40		Carbon Tetrachloride	0.291	0.268	7.9	107	0.00	8.56
41		1,1,1-Trichloroethane	0.377	0.347	8.0	109	0.00	8.64
			Amount	Calc.	%Drift			
42		2-Butanone	200.000	212.136	-6.1	125	0.00	8.74
			AvgRF	CCRF	%Dev			
43		1,1-Dichloropropene	0.353	0.324	8.2	106	0.00	8.78
			Amount	Calc.	%Drift			
44		tert-Butyl formate	200.000	167.238	16.4	90	0.00	8.90
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.073	0.076	-4.1	109	0.00	9.09
46		Methacrylonitrile	0.252	0.257	-2.0	107	0.00	9.10
47		Benzene	1.120	1.025	8.5	107	0.00	9.06
48		TAME	0.774	0.762	1.6	111	0.00	9.17
49	S	1,2-Dichloroethane-d4	0.283	0.283	0.0	115	0.00	9.21

Initial Calibration Verification

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2677-ICV2677
Lab FileID: Y64579.D

			Amount	Calc.	%Drift			
50		Isobutyl Alcohol	800.000	832.875	-4.1	111	0.00	9.29
			AvgRF	CCRF	%Dev			
51		1,2-Dichloroethane	0.339	0.330	2.7	109	0.00	9.28
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	407.886	-2.0	113	0.00	9.38
53		Trichloroethene	40.000	38.653	3.4	110	0.00	9.68
			AvgRF	CCRF	%Dev			
54		Methylcyclohexane	0.445	0.395	11.2	104	0.00	9.66
55		Dibromomethane	0.153	0.139	9.2	104	0.00	10.09
56	C	1,2-Dichloropropane	0.262	0.240	8.4	103	0.00	10.17
57		Bromodichloromethane	0.283	0.287	-1.4	113	0.00	10.23
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	42.729	-6.8	112	0.00	10.34
59		1,4-Dioxane	800.000	819.044	-2.4	114	0.00	10.41
60		2-Chloroethyl vinyl ether	200.000	213.837	-6.9	119	0.00	10.71
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.386	0.385	0.3	107	0.00	10.78
62	I	Chlorobenzene-d5	1.000	1.000	0.0	113	0.00	12.15
63	S	Toluene-d8	1.279	1.269	0.8	113	0.00	10.93
64	C	Toluene	1.591	1.442	9.4	108	0.00	10.98
65		2-Nitropropane	0.141	0.152	-7.8	113	0.00	11.17
66		4-Methyl-2-pentanone	0.618	0.664	-7.4	123	0.00	11.26
67		trans-1,3-Dichloropropene	0.437	0.486	-11.2	119	0.00	11.31
68		Tetrachloroethene	0.394	0.376	4.6	110	0.00	11.31
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	40.878	-2.2	107	0.00	11.40
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.277	0.257	7.2	112	0.00	11.44
71		Dibromochloromethane	0.282	0.280	0.7	107	0.00	11.59
72		1,3-Dichloropropane	0.592	0.528	10.8	103	0.00	11.66
73		1,2-Dibromoethane	0.316	0.314	0.6	110	0.00	11.79
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	1996.603	0.2	106	0.00	11.88
75		2-hexanone	200.000	238.796	-19.4	173	0.00	11.90
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.466	0.456	2.1	109	0.00	12.11
77	C	Ethylbenzene	1.797	1.714	4.6	110	0.00	12.16
78	P	Chlorobenzene	0.973	0.922	5.2	110	0.00	12.16
79		1,1,1,2-Tetrachloroethane	0.308	0.306	0.6	109	0.00	12.21
80		m,p-Xylene	1.345	1.322	1.7	110	0.00	12.25
81		o-Xylene	1.274	1.271	0.2	113	0.00	12.57
82		Styrene	0.901	0.936	-3.9	109	0.00	12.61
			Amount	Calc.	%Drift			
83	P	Bromoform	40.000	40.928	-2.3	112	0.00	12.67
			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.484	1.510	-1.8	111	0.00	12.78

Initial Calibration Verification

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2677-ICV2677
Lab FileID: Y64579.D

85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	116	0.00	13.77
86	S	4-Bromofluorobenzene	0.814	0.796	2.2	113	0.00	13.01
87		cis-1,4-Dichloro-2-butene	0.316	0.315	0.3	106	0.00	13.03
88		n-Propylbenzene	3.523	3.469	1.5	112	0.00	13.06
89		Bromobenzene	0.771	0.684	11.3	106	0.00	13.10
90	P	1,1,2,2-Tetrachloroethane	1.107	1.069	3.4	111	0.00	13.12
91		1,3,5-Trimethylbenzene	2.243	2.167	3.4	111	0.00	13.18
92		2-Chlorotoluene	2.360	2.258	4.3	114	0.00	13.20
93		trans-1,4-Dichloro-2-Bute	0.284	0.284	0.0	111	0.00	13.24
94		1,2,3-Trichloropropane	0.372	0.336	9.7	106	0.00	13.23
95		Cyclohexanone	0.080	0.077	3.8	106	0.00	13.29
96		4-Chlorotoluene	2.108	2.031	3.7	112	0.00	13.31
97		tert-Butylbenzene	1.162	1.144	1.5	114	0.00	13.41
98		1,2,4-Trimethylbenzene	2.200	2.194	0.3	114	0.00	13.45
99		Pentachloroethane	0.342	0.365	-6.7	113	0.00	13.47
100		sec-Butylbenzene	2.261	2.395	-5.9	120	0.00	13.53
101		4-Isopropyltoluene	1.850	1.962	-6.1	119	0.00	13.61
102		1,3-Dichlorobenzene	1.255	1.221	2.7	115	0.00	13.73
103		1,2,3-Trimethylbenzene	1.138	2.330	-104.7#	239#	0.00	13.76
104		1,4-Dichlorobenzene	1.369	1.273	7.0	112	0.00	13.78
105		n-Butylbenzene	0.778	0.795	-2.2	112	0.00	13.90
			Amount	Calc.	%Drift			
106		Benzyl Chloride	40.000	36.237	9.4	97	0.00	13.93
			AvgRF	CCRF	%Dev			
107		1,2-Dichlorobenzene	1.269	1.227	3.3	113	0.00	14.07
108		1,2-Dibromo-3-Chloropropa	0.250	0.250	0.0	110	0.00	14.60
109		Hexachlorobutadiene	0.148	0.142	4.1	113	0.00	15.00
110		1,2,4-Trichlorobenzene	0.606	0.593	2.1	112	0.00	15.07
111		Naphthalene	3.055	3.009	1.5	112	0.00	15.31
112		1,2,3-Trichlorobenzene	0.598	0.587	1.8	111	0.00	15.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Y64575.D APPIX_09-08-2022_Y.M Mon Sep 12 09:54:25 2022

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2680-CC2677
Lab FileID: Y64612.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\jo...-2022\vy2680\Y64612.D Vial: 2
Acq On : 10 Sep 2022 10:58 am Operator: adelardl
Sample : CC2677-5 Inst : MSVOA14-Y
Misc : MS52360,VY2680,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...X_09-08-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Fri Sep 14 08:38:11 2018
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	94	0.00	9.50
		---------- True	Calc.	% Drift	----------			
2		Dichlorodifluoromethane	40.000	44.520	-11.3	106	0.00	2.85
3		Acrolein	200.000	210.617	-5.3	94	0.00	5.58
4	P	Chloromethane	40.000	39.067	2.3	90	0.00	3.17
5		1,3-butadiene	40.000	41.412	-3.5	95	0.00	3.34
		---------- AvgRF	CCRF	% Dev	----------			
6	C	Vinyl Chloride	0.279	0.289	-3.6	100	0.00	3.31
7		Bromomethane	0.088	0.092	-4.5	95	0.00	3.83
		---------- True	Calc.	% Drift	----------			
8		Chloroethane	40.000	41.693	-4.2	102	0.00	4.02
		---------- AvgRF	CCRF	% Dev	----------			
9		Trichlorofluoromethane	0.310	0.365	-17.7	103	0.00	4.24
10		Ethyl Ether	0.241	0.237	1.7	96	0.00	4.75
11		Ethanol	0.008	0.009	-12.5	98	0.00	5.01
12		1,2-Dichlorotrifluoroetha	0.291	0.300	-3.1	102	0.00	5.04
13	C	1,1-Dichloroethene	0.338	0.338	0.0	97	0.00	5.04
		---------- True	Calc.	% Drift	----------			
14		Freon 113	40.000	43.419	-8.5	106	0.00	5.10
		---------- AvgRF	CCRF	% Dev	----------			
15		Carbon Disulfide	0.631	0.643	-1.9	97	0.00	5.10
		---------- True	Calc.	% Drift	----------			
16		Iodomethane	40.000	51.444	-28.6#	114	0.00	5.28
		---------- AvgRF	CCRF	% Dev	----------			
17		Allyl chloride	0.296	0.297	-0.3	87	0.00	5.79
		---------- True	Calc.	% Drift	----------			
18		Methylene Chloride	40.000	34.953	12.6	85	0.00	5.96
		---------- AvgRF	CCRF	% Dev	----------			
19		Acetone	0.132	0.134	-1.5	96	0.00	6.04
20		Methyl acetate	0.308	0.320	-3.9	95	0.00	6.23
21		trans-1,2-Dichloroethene	0.331	0.343	-3.6	99	0.00	6.22

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2680-CC2677
Lab FileID: Y64612.D

			True	Calc.	% Drift			
22		Hexane	40.000	44.100	-10.3	106	0.00	6.33
			AvgRF	CCRF	% Dev			
23		Methyl Tert Butyl Ether	0.788	0.780	1.0	94	0.00	6.38
			True	Calc.	% Drift			
24		Tert Butyl Alcohol	400.000	398.960	0.3	94	0.00	6.55
25		Acetonitrile	400.000	392.003	2.0	85	0.00	6.78
			AvgRF	CCRF	% Dev			
26		Di-isopropyl ether	0.856	0.849	0.8	93	0.00	6.98
27		Chloroprene	0.057	0.059	-3.5	91	0.00	7.17
28	P	1,1-Dichloroethane	0.437	0.436	0.2	98	0.00	7.21
			True	Calc.	% Drift			
29		Acrylonitrile	200.000	202.461	-1.2	93	0.00	7.29
			AvgRF	CCRF	% Dev			
30		ETBE	0.818	0.808	1.2	92	0.00	7.57
			True	Calc.	% Drift			
31		Vinyl acetate	200.000	198.585	0.7	93	0.00	7.60
			AvgRF	CCRF	% Dev			
32		cis-1,2-Dichloroethene	0.274	0.269	1.8	96	0.00	8.03
33		2,2-Dichloropropane	0.362	0.372	-2.8	98	0.00	8.16
34		Bromochloromethane	0.119	0.116	2.5	96	0.00	8.29
35		Cyclohexane	0.469	0.485	-3.4	103	0.00	8.29
36	C	Chloroform	0.430	0.407	5.3	90	0.00	8.38
			True	Calc.	% Drift			
37		Ethyl acetate	200.000	199.621	0.2	100	0.00	8.51
38		Tetrahydrofuran	40.000	40.252	-0.6	93	0.00	8.58
			AvgRF	CCRF	% Dev			
39	S	Dibromofluoromethane	0.218	0.217	0.5	93	0.00	8.60
40		Carbon Tetrachloride	0.291	0.300	-3.1	100	0.00	8.55
41		1,1,1-Trichloroethane	0.377	0.379	-0.5	99	0.00	8.63
			True	Calc.	% Drift			
42		2-Butanone	200.000	200.736	-0.4	98	0.00	8.74
			AvgRF	CCRF	% Dev			
43		1,1-Dichloropropene	0.353	0.365	-3.4	100	0.00	8.78
			True	Calc.	% Drift			
44		tert-Butyl formate	200.000	202.303	-1.2	93	0.00	8.89
			AvgRF	CCRF	% Dev			
45		Propionitrile	0.073	0.074	-1.4	87	0.00	9.08
46		Methacrylonitrile	0.252	0.251	0.4	87	0.00	9.10
47		Benzene	1.120	1.091	2.6	95	0.00	9.06
48		TAME	0.774	0.766	1.0	93	0.00	9.17
49	S	1,2-Dichloroethane-d4	0.283	0.272	3.9	92	0.00	9.21
			True	Calc.	% Drift			
50		Isobutyl Alcohol	800.000	803.800	-0.5	89	0.00	9.28
			AvgRF	CCRF	% Dev			

Continuing Calibration Summary

Job Number: FA98517 **Sample:** VY2680-CC2677
Account: BHATALB Bhate Environmental **Lab FileID:** Y64612.D
Project: Griffiss AFB; Rome, NY

51		1,2-Dichloroethane	0.339	0.338	0.3	92	0.00	9.28
		----------	True	Calc.	% Drift	----------		
52		Tert Amyl Alcohol	400.000	407.206	-1.8	94	0.00	9.38
53		Trichloroethene	40.000	40.783	-2.0	97	0.00	9.67
		----------	AvgRF	CCRF	% Dev	----------		
54		Methylcyclohexane	0.445	0.470	-5.6	104	0.00	9.66
55		Dibromomethane	0.153	0.149	2.6	93	0.00	10.09
56	C	1,2-Dichloropropane	0.262	0.262	0.0	93	0.00	10.17
57		Bromodichloromethane	0.283	0.290	-2.5	95	0.00	10.23
		----------	True	Calc.	% Drift	----------		
58		Methyl methacrylate	40.000	40.193	-0.5	88	0.00	10.34
59		1,4-Dioxane	800.000	806.472	-0.8	93	0.00	10.41
60		2-Chloroethyl vinyl ether	200.000	212.744	-6.4	99	0.00	10.71
		----------	AvgRF	CCRF	% Dev	----------		
61		cis-1,3-Dichloropropene	0.386	0.395	-2.3	92	0.00	10.78
62	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00	12.15
63	S	Toluene-d8	1.279	1.279	0.0	95	0.00	10.93
64	C	Toluene	1.591	1.533	3.6	96	0.00	10.98
65		2-Nitropropane	0.141	0.149	-5.7	92	0.00	11.17
66		4-Methyl-2-pentanone	0.618	0.647	-4.7	100	0.00	11.26
67		trans-1,3-Dichloropropene	0.437	0.465	-6.4	95	0.00	11.31
68		Tetrachloroethene	0.394	0.401	-1.8	98	0.00	11.30
		----------	True	Calc.	% Drift	----------		
69		Ethyl methacrylate	40.000	39.979	0.1	87	0.00	11.40
		----------	AvgRF	CCRF	% Dev	----------		
70		1,1,2-Trichloroethane	0.277	0.261	5.8	95	0.00	11.44
71		Dibromochloromethane	0.282	0.298	-5.7	95	0.00	11.59
72		1,3-Dichloropropane	0.592	0.571	3.5	93	0.00	11.66
73		1,2-Dibromoethane	0.316	0.325	-2.8	96	0.00	11.79
		----------	True	Calc.	% Drift	----------		
74		3,3-dimethyl-1-butanol	2000.000	2103.321	-5.2	95	0.00	11.87
75		2-hexanone	200.000	239.775	-19.9	145	0.00	11.90
		----------	AvgRF	CCRF	% Dev	----------		
76		1-Chlorohexane	0.466	0.488	-4.7	97	0.00	12.11
77	C	Ethylbenzene	1.797	1.735	3.5	93	0.00	12.16
78	P	Chlorobenzene	0.973	0.927	4.7	92	0.00	12.16
79		1,1,1,2-Tetrachloroethane	0.308	0.316	-2.6	94	0.00	12.20
80		m,p-Xylene	1.345	1.333	0.9	92	0.00	12.26
81		o-Xylene	1.274	1.240	2.7	92	0.00	12.57
82		Styrene	0.901	0.941	-4.4	91	0.00	12.61
		----------	True	Calc.	% Drift	----------		
83	P	Bromoform	40.000	41.694	-4.2	95	0.00	12.67
		----------	AvgRF	CCRF	% Dev	----------		
84		Isopropylbenzene	1.484	1.478	0.4	91	0.00	12.78
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00	13.77
86	S	4-Bromofluorobenzene	0.814	0.814	0.0	98	0.00	13.01
87		cis-1,4-Dichloro-2-butene	0.316	0.301	4.7	85	0.00	13.03
88		n-Propylbenzene	3.523	3.308	6.1	90	0.00	13.06

Continuing Calibration Summary

Job Number: FA98517 **Sample:** VY2680-CC2677
Account: BHATALB Bhate Environmental **Lab FileID:** Y64612.D
Project: Griffiss AFB; Rome, NY

89	Bromobenzene	0.771	0.735	4.7	96	0.00	13.09
90 P	1,1,2,2-Tetrachloroethane	1.107	1.083	2.2	95	0.00	13.12
91	1,3,5-Trimethylbenzene	2.243	2.133	4.9	92	0.00	13.18
92	2-Chlorotoluene	2.360	2.199	6.8	94	0.00	13.20
93	trans-1,4-Dichloro-2-Bute	0.284	0.289	-1.8	96	0.00	13.24
94	1,2,3-Trichloropropane	0.372	0.361	3.0	96	0.00	13.23
95	Cyclohexanone	0.080	0.082	-2.5	94	0.00	13.29
96	4-Chlorotoluene	2.108	1.984	5.9	93	0.00	13.31
97	tert-Butylbenzene	1.162	1.094	5.9	92	0.00	13.41
98	1,2,4-Trimethylbenzene	2.200	2.153	2.1	94	0.00	13.46
99	Pentachloroethane	0.342	0.350	-2.3	92	0.00	13.46
100	sec-Butylbenzene	2.261	2.170	4.0	91	0.00	13.53
101	4-Isopropyltoluene	1.850	1.808	2.3	93	0.00	13.61
102	1,3-Dichlorobenzene	1.255	1.216	3.1	96	0.00	13.73
	----------	True	Calc.	% Drift	----------		
103	1,2,3-Trimethylbenzene	40.000	39.161	2.1	94	0.00	13.76
	----------	AvgRF	CCRF	% Dev	----------		
104	1,4-Dichlorobenzene	1.369	1.297	5.3	97	0.00	13.78
105	n-Butylbenzene	0.778	0.813	-4.5	97	0.00	13.90
	----------	True	Calc.	% Drift	----------		
106	Benzyl Chloride	40.000	41.989	-5.0	96	0.00	13.93
	----------	AvgRF	CCRF	% Dev	----------		
107	1,2-Dichlorobenzene	1.269	1.279	-0.8	100	0.00	14.07
108	1,2-Dibromo-3-Chloropropa	0.250	0.262	-4.8	97	0.00	14.60
109	Hexachlorobutadiene	0.148	0.157	-6.1	106	0.00	15.00
110	1,2,4-Trichlorobenzene	0.606	0.630	-4.0	100	0.00	15.06
111	Naphthalene	3.055	3.052	0.1	96	0.00	15.31
112	1,2,3-Trichlorobenzene	0.598	0.613	-2.5	98	0.00	15.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y64575.D APPIX_09-08-2022_Y.M Mon Sep 12 20:18:17 2022

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2680-ECC2677
Lab FileID: Y64639.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\jo...-2022\vy2680\Y64639.D Vial: 29
Acq On : 10 Sep 2022 10:04 pm Operator: adelardl
Sample : ECC2677-5 Inst : MSVOA14-Y
Misc : MS52360,VY2680,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...X_09-08-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Fri Sep 14 08:38:11 2018
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	83	0.00	9.50
			True	Calc.	% Drift			
2		Dichlorodifluoromethane	40.000	41.471	-3.7	87	0.00	2.85
3		Acrolein	200.000	204.620	-2.3	80	0.00	5.58
4	P	Chloromethane	40.000	39.830	0.4	81	0.00	3.17
5		1,3-butadiene	40.000	48.359	-20.9	97	0.00	3.34
			AvgRF	CCRF	% Dev			
6	C	Vinyl Chloride	0.279	0.266	4.7	81	0.00	3.31
7		Bromomethane	0.088	0.086	2.3	78	0.00	3.83
			True	Calc.	% Drift			
8		Chloroethane	40.000	40.406	-1.0	88	0.00	4.03
			AvgRF	CCRF	% Dev			
9		Trichlorofluoromethane	0.310	0.335	-8.1	83	0.00	4.23
10		Ethyl Ether	0.241	0.238	1.2	85	0.00	4.75
11		Ethanol	0.008	0.010	-25.0	93	0.00	5.02
12		1,2-Dichlorotrifluoroetha	0.291	0.282	3.1	85	0.00	5.04
13	C	1,1-Dichloroethene	0.338	0.319	5.6	81	0.00	5.05
			True	Calc.	% Drift			
14		Freon 113	40.000	41.422	-3.6	89	0.00	5.10
			AvgRF	CCRF	% Dev			
15		Carbon Disulfide	0.631	0.593	6.0	79	0.00	5.10
			True	Calc.	% Drift			
16		Iodomethane	40.000	58.242	-45.6	121	0.00	5.27
			AvgRF	CCRF	% Dev			
17		Allyl chloride	0.296	0.282	4.7	73	0.00	5.79
			True	Calc.	% Drift			
18		Methylene Chloride	40.000	35.600	11.0	77	0.00	5.96
			AvgRF	CCRF	% Dev			
19		Acetone	0.132	0.137	-3.8	87	0.00	6.04
20		Methyl acetate	0.308	0.325	-5.5	85	0.00	6.23
21		trans-1,2-Dichloroethene	0.331	0.315	4.8	80	0.00	6.22

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2680-ECC2677
Lab FileID: Y64639.D

			True	Calc.	% Drift			
22		Hexane	40.000	34.977	12.6	74	0.00	6.33
			AvgRF	CCRF	% Dev			
23		Methyl Tert Butyl Ether	0.788	0.765	2.9	81	0.00	6.38
			True	Calc.	% Drift			
24		Tert Butyl Alcohol	400.000	415.068	-3.8	86	0.00	6.55
25		Acetonitrile	400.000	419.611	-4.9	81	0.00	6.78
			AvgRF	CCRF	% Dev			
26		Di-isopropyl ether	0.856	0.858	-0.2	83	0.00	6.98
27		Chloroprene	0.057	0.056	1.8	76	0.00	7.18
28	P	1,1-Dichloroethane	0.437	0.406	7.1	81	0.00	7.21
			True	Calc.	% Drift			
29		Acrylonitrile	200.000	200.353	-0.2	81	0.00	7.30
			AvgRF	CCRF	% Dev			
30		ETBE	0.818	0.787	3.8	79	0.00	7.58
			True	Calc.	% Drift			
31		Vinyl acetate	200.000	192.160	3.9	79	0.00	7.60
			AvgRF	CCRF	% Dev			
32		cis-1,2-Dichloroethene	0.274	0.250	8.8	78	0.00	8.02
33		2,2-Dichloropropane	0.362	0.304	16.0	71	0.00	8.16
34		Bromochloromethane	0.119	0.116	2.5	84	0.00	8.29
35		Cyclohexane	0.469	0.455	3.0	85	0.00	8.29
36	C	Chloroform	0.430	0.412	4.2	80	0.00	8.38
			True	Calc.	% Drift			
37		Ethyl acetate	200.000	199.098	0.5	88	0.00	8.51
38		Tetrahydrofuran	40.000	41.040	-2.6	84	0.00	8.58
			AvgRF	CCRF	% Dev			
39	S	Dibromofluoromethane	0.218	0.218	0.0	82	0.00	8.60
40		Carbon Tetrachloride	0.291	0.279	4.1	82	0.00	8.55
41		1,1,1-Trichloroethane	0.377	0.358	5.0	82	0.00	8.63
			True	Calc.	% Drift			
42		2-Butanone	200.000	203.631	-1.8	88	0.00	8.74
			AvgRF	CCRF	% Dev			
43		1,1-Dichloropropene	0.353	0.337	4.5	81	0.00	8.78
			True	Calc.	% Drift			
44		tert-Butyl formate	200.000	191.803	4.1	77	0.00	8.89
			AvgRF	CCRF	% Dev			
45		Propionitrile	0.073	0.075	-2.7	79	0.00	9.08
46		Methacrylonitrile	0.252	0.252	0.0	77	0.00	9.10
47		Benzene	1.120	1.051	6.2	81	0.00	9.06
48		TAME	0.774	0.759	1.9	81	0.00	9.17
49	S	1,2-Dichloroethane-d4	0.283	0.271	4.2	81	0.00	9.20
			True	Calc.	% Drift			
50		Isobutyl Alcohol	800.000	836.819	-4.6	82	0.00	9.28
			AvgRF	CCRF	% Dev			

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VY2680-ECC2677
Lab FileID: Y64639.D

51		1,2-Dichloroethane	0.339	0.323	4.7	78	0.00	9.28
		----------	True	Calc.	% Drift	----------		
52		Tert Amyl Alcohol	400.000	413.778	-3.4	84	0.00	9.38
53		Trichloroethene	40.000	38.800	3.0	81	0.00	9.67
		----------	AvgRF	CCRF	% Dev	----------		
54		Methylcyclohexane	0.445	0.434	2.5	84	0.00	9.66
55		Dibromomethane	0.153	0.144	5.9	79	0.00	10.09
56	C	1,2-Dichloropropane	0.262	0.257	1.9	81	0.00	10.17
57		Bromodichloromethane	0.283	0.272	3.9	79	0.00	10.23
		----------	True	Calc.	% Drift	----------		
58		Methyl methacrylate	40.000	40.812	-2.0	79	0.00	10.34
59		1,4-Dioxane	800.000	842.546	-5.3	86	0.00	10.41
60		2-Chloroethyl vinyl ether	200.000	205.502	-2.8	84	0.00	10.71
		----------	AvgRF	CCRF	% Dev	----------		
61		cis-1,3-Dichloropropene	0.386	0.375	2.8	77	0.00	10.78
62	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00	12.15
63	S	Toluene-d8	1.279	1.262	1.3	85	0.00	10.93
64	C	Toluene	1.591	1.430	10.1	81	0.00	10.97
65		2-Nitropropane	0.141	0.144	-2.1	80	0.00	11.17
66		4-Methyl-2-pentanone	0.618	0.635	-2.8	89	0.00	11.27
67		trans-1,3-Dichloropropene	0.437	0.425	2.7	78	0.00	11.31
68		Tetrachloroethene	0.394	0.412	-4.6	91	0.00	11.30
		----------	True	Calc.	% Drift	----------		
69		Ethyl methacrylate	40.000	38.296	4.3	75	0.00	11.40
		----------	AvgRF	CCRF	% Dev	----------		
70		1,1,2-Trichloroethane	0.277	0.247	10.8	81	0.00	11.44
71		Dibromochloromethane	0.282	0.271	3.9	78	0.00	11.59
72		1,3-Dichloropropane	0.592	0.553	6.6	81	0.00	11.66
73		1,2-Dibromoethane	0.316	0.308	2.5	82	0.00	11.79
		----------	True	Calc.	% Drift	----------		
74		3,3-dimethyl-1-butanol	2000.000	2062.034	-3.1	83	0.00	11.88
75		2-hexanone	200.000	236.378	-18.2	128	0.00	11.90
		----------	AvgRF	CCRF	% Dev	----------		
76		1-Chlorohexane	0.466	0.445	4.5	80	0.00	12.11
77	C	Ethylbenzene	1.797	1.638	8.8	79	0.00	12.15
78	P	Chlorobenzene	0.973	0.888	8.7	80	0.00	12.17
79		1,1,1,2-Tetrachloroethane	0.308	0.304	1.3	82	0.00	12.20
80		m,p-Xylene	1.345	1.252	6.9	78	0.00	12.26
81		o-Xylene	1.274	1.168	8.3	78	0.00	12.57
82		Styrene	0.901	0.907	-0.7	80	0.00	12.61
		----------	True	Calc.	% Drift	----------		
83	P	Bromoform	40.000	35.416	11.5	72	0.00	12.67
		----------	AvgRF	CCRF	% Dev	----------		
84		Isopropylbenzene	1.484	1.437	3.2	80	0.00	12.78
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00	13.77
86	S	4-Bromofluorobenzene	0.814	0.797	2.1	88	0.00	13.01
87		cis-1,4-Dichloro-2-butene	0.316	0.196	38.0	51	0.00	13.03
88		n-Propylbenzene	3.523	3.113	11.6	78	0.00	13.07

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2680-ECC2677
Lab FileID: Y64639.D

89	Bromobenzene	0.771	0.700	9.2	84	0.00	13.10
90 P	1,1,2,2-Tetrachloroethane	1.107	1.036	6.4	84	0.00	13.12
91	1,3,5-Trimethylbenzene	2.243	2.020	9.9	80	0.00	13.18
92	2-Chlorotoluene	2.360	2.029	14.0	80	0.00	13.20
93	trans-1,4-Dichloro-2-Bute	0.284	0.179	37.0	55	0.00	13.24
94	1,2,3-Trichloropropane	0.372	0.343	7.8	84	0.00	13.23
95	Cyclohexanone	0.080	0.079	1.3	84	0.00	13.29
96	4-Chlorotoluene	2.108	1.869	11.3	81	0.00	13.31
97	tert-Butylbenzene	1.162	1.034	11.0	80	0.00	13.41
98	1,2,4-Trimethylbenzene	2.200	1.993	9.4	81	0.00	13.46
99	Pentachloroethane	0.342	0.281	17.8	68	0.00	13.46
100	sec-Butylbenzene	2.261	2.090	7.6	81	0.00	13.53
101	4-Isopropyltoluene	1.850	1.724	6.8	82	0.00	13.61
102	1,3-Dichlorobenzene	1.255	1.149	8.4	84	0.00	13.72
	----------	True	Calc.	% Drift	----------		
103	1,2,3-Trimethylbenzene	40.000	37.540	6.2	83	0.00	13.76
	----------	AvgRF	CCRF	% Dev	----------		
104	1,4-Dichlorobenzene	1.369	1.239	9.5	85	0.00	13.78
105	n-Butylbenzene	0.778	0.712	8.5	78	0.00	13.89
	----------	True	Calc.	% Drift	----------		
106	Benzyl Chloride	40.000	30.995	22.5	64	0.00	13.93
	----------	AvgRF	CCRF	% Dev	----------		
107	1,2-Dichlorobenzene	1.269	1.215	4.3	87	0.00	14.07
108	1,2-Dibromo-3-Chloropropa	0.250	0.229	8.4	79	0.00	14.60
109	Hexachlorobutadiene	0.148	0.140	5.4	87	0.00	15.00
110	1,2,4-Trichlorobenzene	0.606	0.595	1.8	88	0.00	15.06
111	Naphthalene	3.055	2.918	4.5	85	0.00	15.31
112	1,2,3-Trichlorobenzene	0.598	0.590	1.3	87	0.00	15.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y64575.D APPIX_09-08-2022_Y.M Mon Sep 12 20:18:48 2022

Run Sequence Report

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VI2688	**Method:** SW846 8260D	**Instrument ID:** GCMSI

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VI2688-BFB	I751206.D	09/09/22 09:41	n/a	BFB Tune
VI2688-IC2688	I751207.D	09/09/22 10:05	n/a	Initial cal 1
VI2688-IC2688	I751208.D	09/09/22 10:28	n/a	Initial cal 2
VI2688-IC2688	I751209.D	09/09/22 10:52	n/a	Initial cal 3
VI2688-IC2688	I751210.D	09/09/22 11:16	n/a	Initial cal 4
VI2688-ICC2688	I751211.D	09/09/22 11:39	n/a	Initial cal 5
VI2688-IC2688	I751212.D	09/09/22 12:03	n/a	Initial cal 6
VI2688-IC2688	I751213.D	09/09/22 12:27	n/a	Initial cal 7
VI2688-ICV2688	I751215.D	09/09/22 13:14	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VI2691 **Method:** SW846 8260D **Instrument ID:** GCMSI

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VI2691-BFB	I751273.D	09/14/22 10:48	n/a	BFB Tune
VI2691-CC2688	I751274.D	09/14/22 11:12	n/a	Continuing cal 5
VI2691-BS	I751275.D	09/14/22 11:35	n/a	Blank Spike
VI2691-MB	I751277.D	09/14/22 12:23	n/a	Method Blank
ZZZZZZ	I751283.D	09/14/22 14:45	n/a	(unrelated sample)
ZZZZZZ	I751284.D	09/14/22 15:09	n/a	(unrelated sample)
ZZZZZZ	I751285.D	09/14/22 15:33	n/a	(unrelated sample)
ZZZZZZ	I751286.D	09/14/22 15:56	n/a	(unrelated sample)
ZZZZZZ	I751287.D	09/14/22 16:20	n/a	(unrelated sample)
ZZZZZZ	I751288.D	09/14/22 16:44	n/a	(unrelated sample)
ZZZZZZ	I751289.D	09/14/22 17:08	n/a	(unrelated sample)
ZZZZZZ	I751290.D	09/14/22 17:31	n/a	(unrelated sample)
ZZZZZZ	I751291.D	09/14/22 17:55	n/a	(unrelated sample)
FA98517-4	I751292.D	09/14/22 18:19	n/a	WL-LF6TW-33-0822
ZZZZZZ	I751293.D	09/14/22 18:43	n/a	(unrelated sample)
ZZZZZZ	I751294.D	09/14/22 19:06	n/a	(unrelated sample)
ZZZZZZ	I751295.D	09/14/22 19:30	n/a	(unrelated sample)
ZZZZZZ	I751296.D	09/14/22 19:54	n/a	(unrelated sample)
FA98602-3	I751297.D	09/14/22 20:17	n/a	(used for QC only; not part of job FA98517)
FA98602-3MS	I751298.D	09/14/22 20:41	n/a	Matrix Spike
FA98602-3MSD	I751299.D	09/14/22 21:05	n/a	Matrix Spike Duplicate
VI2691-ECC2688	I751300.D	09/14/22 21:29	n/a	Ending cal 5

Run Sequence Report

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VY2677 **Method:** SW846 8260D **Instrument ID:** GCMSY

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VY2677-BFB	Y64570.D	09/08/22 12:30	n/a	BFB Tune
VY2677-IC2677	Y64571.D	09/08/22 14:02	n/a	Initial cal 1
VY2677-IC2677	Y64572.D	09/08/22 14:26	n/a	Initial cal 2
VY2677-IC2677	Y64573.D	09/08/22 14:52	n/a	Initial cal 3
VY2677-IC2677	Y64574.D	09/08/22 15:16	n/a	Initial cal 4
VY2677-ICC2677	Y64575.D	09/08/22 15:41	n/a	Initial cal 5
VY2677-IC2677	Y64576.D	09/08/22 16:06	n/a	Initial cal 6
VY2677-IC2677	Y64577.D	09/08/22 16:31	n/a	Initial cal 7
VY2677-ICV2677	Y64579.D	09/08/22 17:21	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VY2680 **Method:** SW846 8260D **Instrument ID:** GCMSY

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VY2680-BFB	Y64611.D	09/10/22 10:34	n/a	BFB Tune
VY2680-CC2677	Y64612.D	09/10/22 10:58	n/a	Continuing cal 5
VY2680-BS	Y64613.D	09/10/22 11:23	n/a	Blank Spike
VY2680-MB	Y64616.D	09/10/22 12:37	n/a	Method Blank
FA98517-6	Y64617.D	09/10/22 13:01	n/a	LF6-TB02-0822-C
ZZZZZZ	Y64618.D	09/10/22 13:26	n/a	(unrelated sample)
ZZZZZZ	Y64619.D	09/10/22 13:51	n/a	(unrelated sample)
ZZZZZZ	Y64620.D	09/10/22 14:16	n/a	(unrelated sample)
FA98517-2	Y64621.D	09/10/22 14:40	n/a	LF6MW-17-0822
FA98517-3	Y64622.D	09/10/22 15:05	n/a	LF6MW-20-0822
FA98517-4	Y64623.D	09/10/22 15:30	n/a	WL-LF6TW-33-0822
FA98517-5	Y64624.D	09/10/22 15:54	n/a	WL-LF6TW-34-0822
ZZZZZZ	Y64625.D	09/10/22 16:18	n/a	(unrelated sample)
ZZZZZZ	Y64626.D	09/10/22 16:44	n/a	(unrelated sample)
ZZZZZZ	Y64627.D	09/10/22 17:08	n/a	(unrelated sample)
ZZZZZZ	Y64628.D	09/10/22 17:33	n/a	(unrelated sample)
ZZZZZZ	Y64629.D	09/10/22 17:58	n/a	(unrelated sample)
FA98517-1	Y64631.D	09/10/22 18:47	n/a	LF6MW-16-0822
FA98517-7	Y64632.D	09/10/22 19:12	n/a	LF6MW-16-0822
ZZZZZZ	Y64633.D	09/10/22 19:36	n/a	(unrelated sample)
ZZZZZZ	Y64634.D	09/10/22 20:01	n/a	(unrelated sample)
ZZZZZZ	Y64635.D	09/10/22 20:25	n/a	(unrelated sample)
ZZZZZZ	Y64636.D	09/10/22 20:50	n/a	(unrelated sample)
FA98517-4MS	Y64637.D	09/10/22 21:14	n/a	Matrix Spike
FA98517-4MSD	Y64638.D	09/10/22 21:39	n/a	Matrix Spike Duplicate
VY2680-ECC2677	Y64639.D	09/10/22 22:04	n/a	Ending cal 5

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64631.D
Acq On : 10 Sep 2022 6:47 pm
Operator : adeladl
Sample : FA98517-1 5X
Misc : MS52360,VY2680,,,,,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 12 01:55:56 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

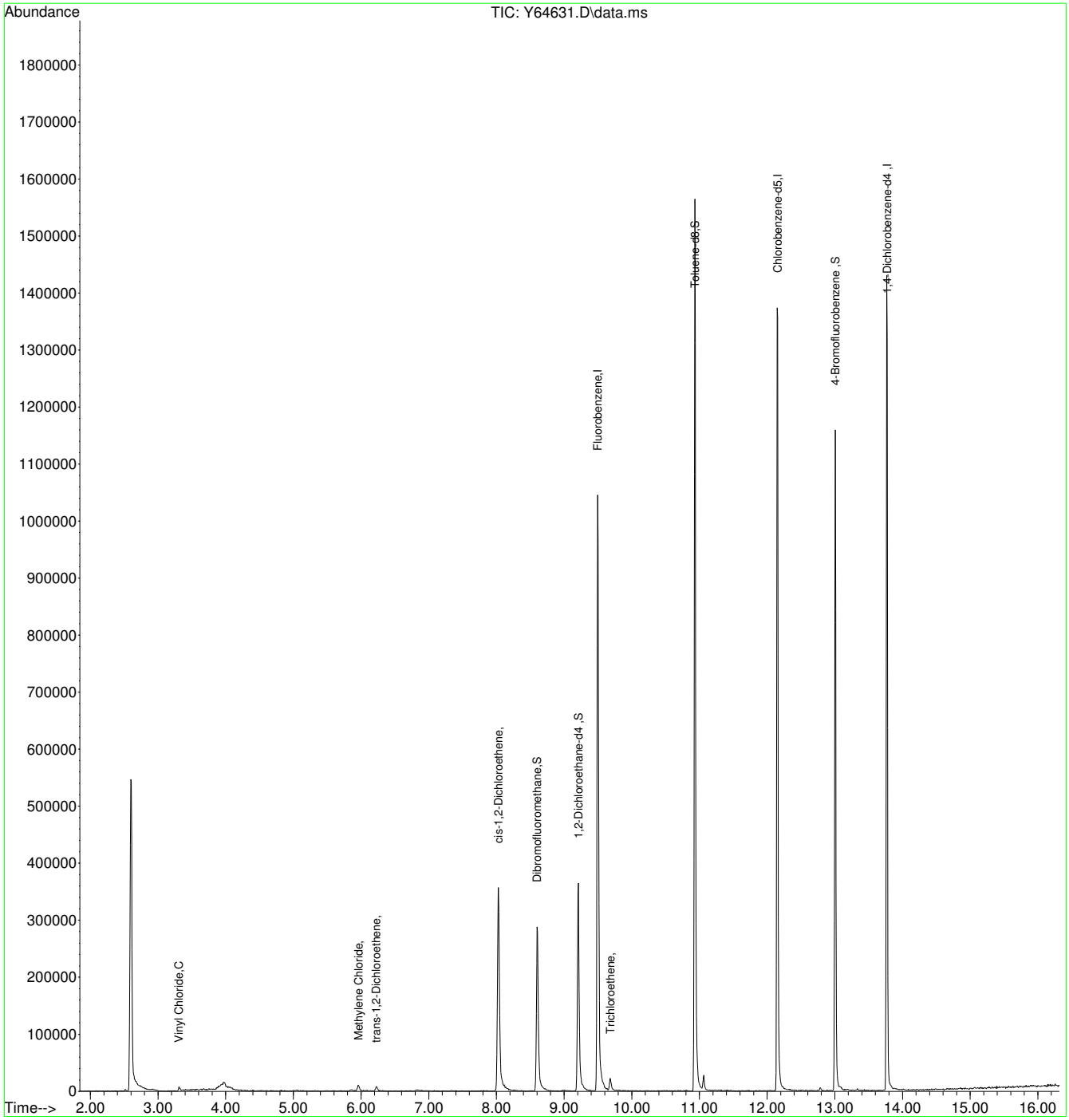
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		9.496	96	851695	50.00	ug/L	0.00
62) Chlorobenzene-d5		12.155	117	635070	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		13.773	152	281061	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		8.602	113	176200	47.50	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	95.00%		
49) 1,2-Dichloroethane-d4		9.210	65	237138	49.25	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	98.50%		
63) Toluene-d8		10.932	98	826199	50.84	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	101.68%		
86) 4-Bromofluorobenzene		13.006	174	240576	52.59	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	105.18%		
Target Compounds							Qvalue
6) Vinyl Chloride		3.309	62	5585	1.18	ug/L	100
18) Methylene Chloride		5.962	49	7985	1.15	ug/L	94
21) trans-1,2-Dichloroethene		6.223	61	5596	0.99	ug/L	81
32) cis-1,2-Dichloroethene		8.030	96	191313	40.92	ug/L	95
53) Trichloroethene		9.685	95	7152	1.59	ug/L	94

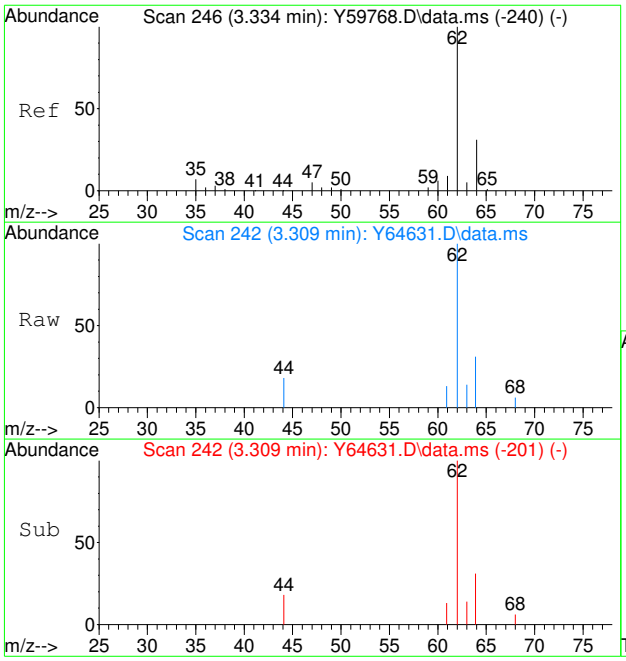
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64631.D
Acq On : 10 Sep 2022 6:47 pm
Operator : adeladl
Sample : FA98517-1 5X
Misc : MS52360,VY2680,,,,,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 12 01:55:56 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

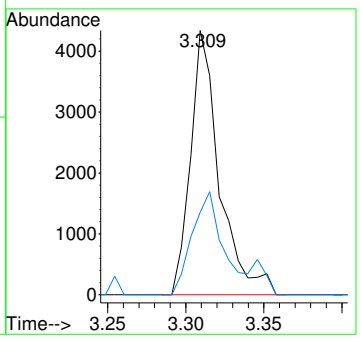


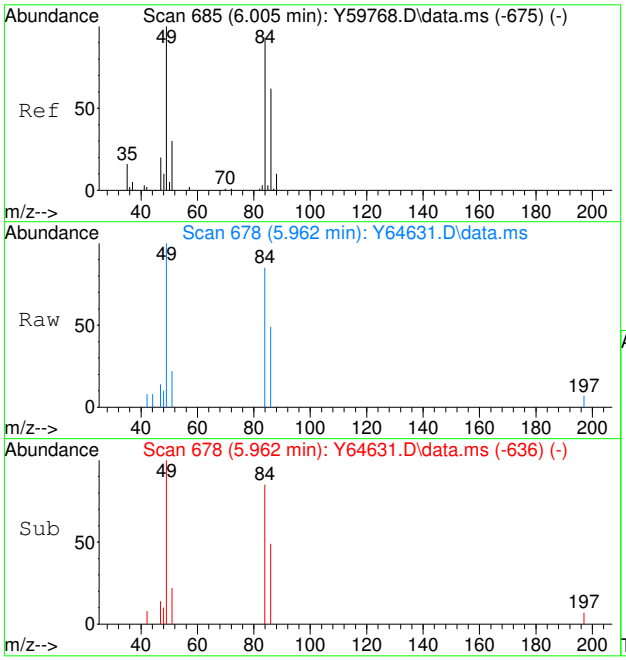


#6
Vinyl Chloride
Concen: 1.18 ug/L
RT: 3.309 min Scan# 242
Delta R.T. -0.001 min
Lab File: Y64631.D
Acq: 10 Sep 2022 6:47 pm

Tgt Ion: 62 Resp: 5585

Ion	Ratio	Lower	Upper
62	100		
64	31.1	1.1	61.1

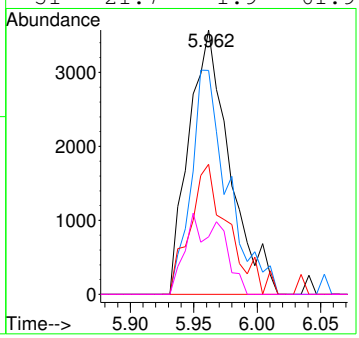


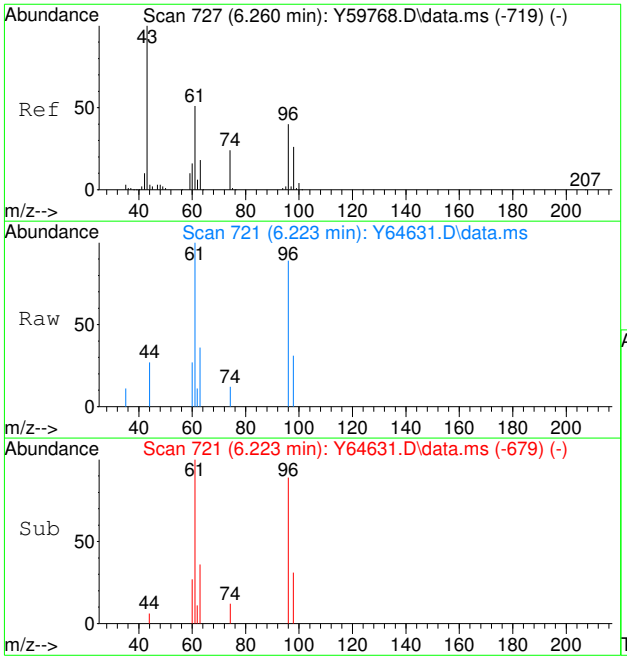


#18
Methylene Chloride
Concen: 1.15 ug/L
RT: 5.962 min Scan# 678
Delta R.T. 0.006 min
Lab File: Y64631.D
Acq: 10 Sep 2022 6:47 pm

Tgt Ion: 49 Resp: 7985

Ion	Ratio	Lower	Upper
49	100		
84	84.7	50.4	110.4
86	49.2	19.4	79.4
51	21.7	1.9	61.9

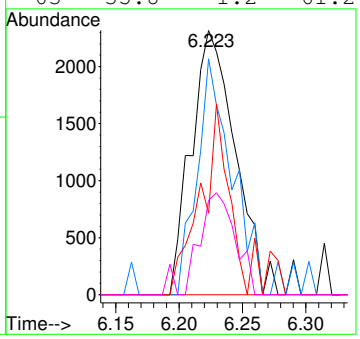


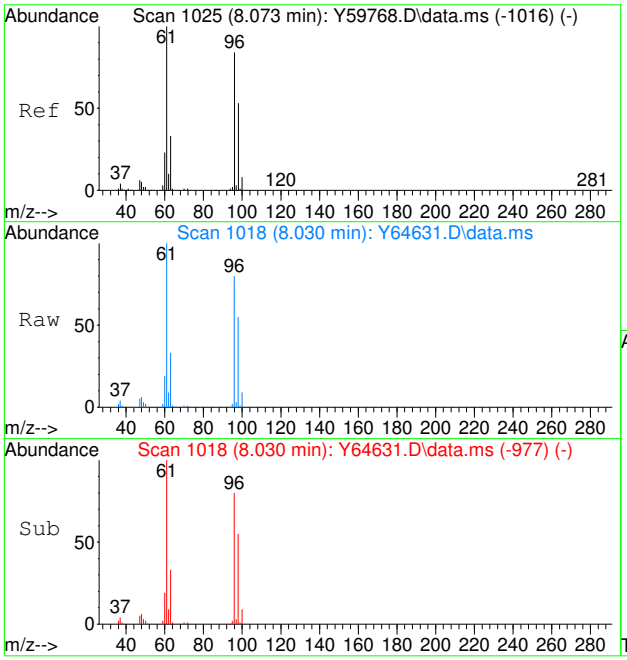


#21
trans-1,2-Dichloroethene
Concen: 0.99 ug/L
RT: 6.223 min Scan# 721
Delta R.T. 0.005 min
Lab File: Y64631.D
Acq: 10 Sep 2022 6:47 pm

Tgt Ion: 61 Resp: 5596

Ion	Ratio	Lower	Upper
61	100		
96	89.3	40.9	100.9
98	30.8	14.1	74.1
63	35.8	1.2	61.2

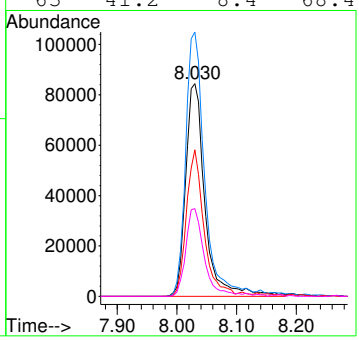


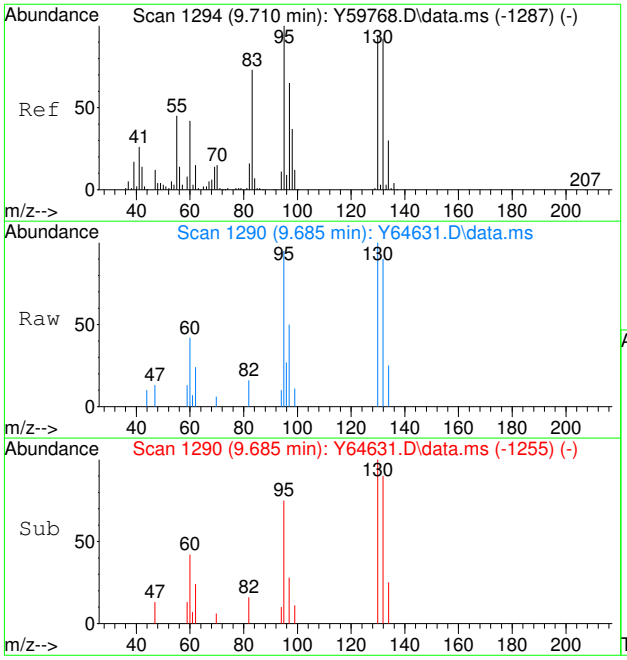


#32
cis-1,2-Dichloroethene
Concen: 40.92 ug/L
RT: 8.030 min Scan# 1018
Delta R.T. -0.001 min
Lab File: Y64631.D
Acq: 10 Sep 2022 6:47 pm

Tgt Ion: 96 Resp: 191313

Ion	Ratio	Lower	Upper
96	100		
61	124.3	90.0	150.0
98	68.9	32.0	92.0
63	41.2	8.4	68.4

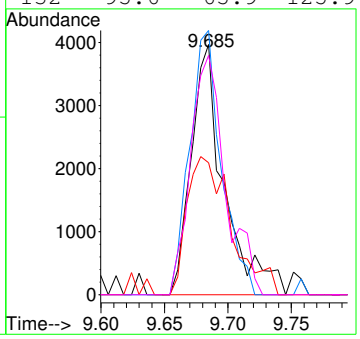




#53
Trichloroethene
Concen: 1.59 ug/L
RT: 9.685 min Scan# 1290
Delta R.T. 0.012 min
Lab File: Y64631.D
Acq: 10 Sep 2022 6:47 pm

Tgt Ion: 95 Resp: 7152

Ion	Ratio	Lower	Upper
95	100		
130	105.7	70.0	130.0
97	52.7	34.2	94.2
132	95.6	65.9	125.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64621.D
Acq On : 10 Sep 2022 2:40 pm
Operator : adeladl
Sample : FA98517-2
Misc : MS52360,VY2680,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 12 01:45:31 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

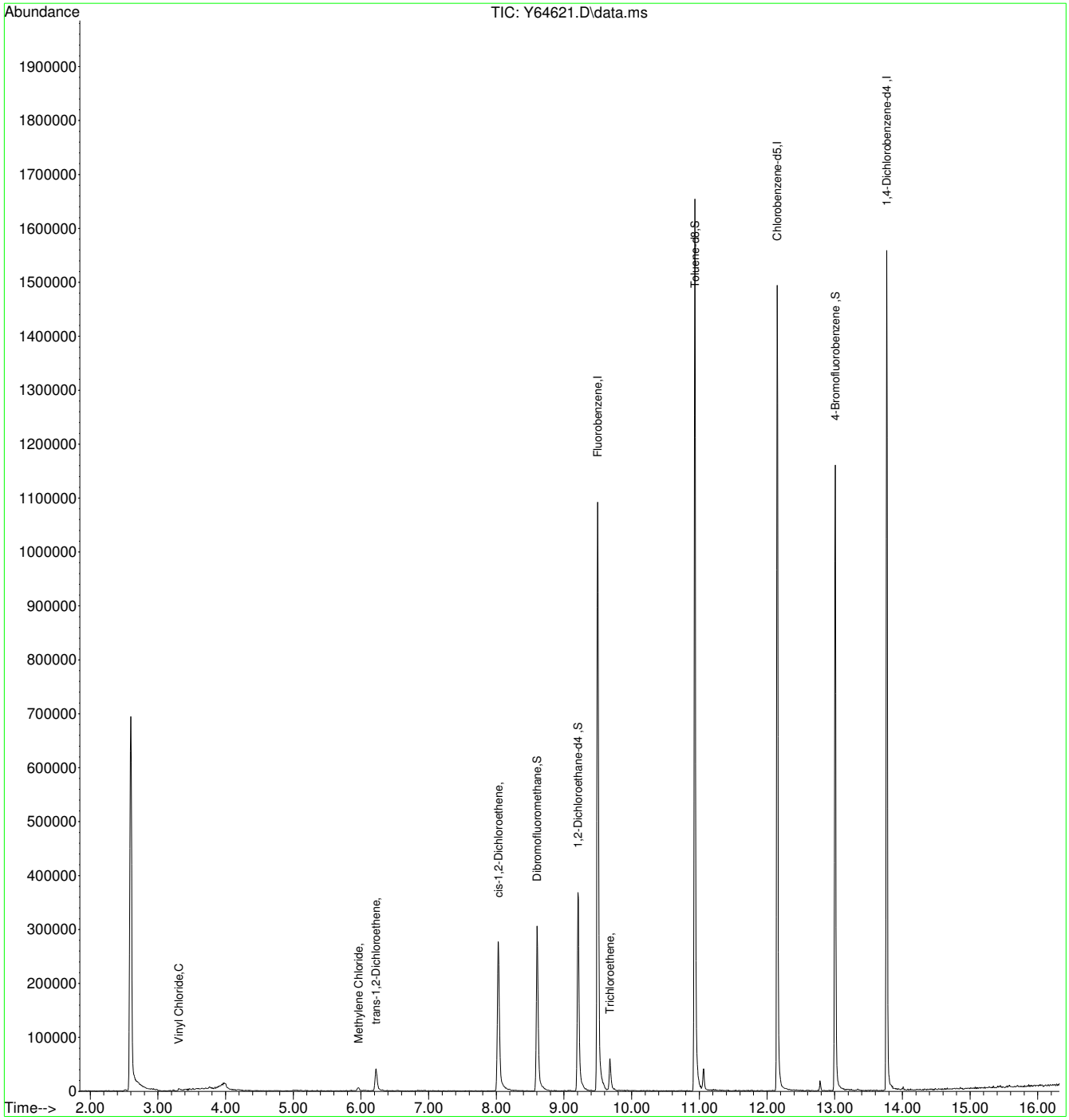
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	877889	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	657742	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	310427	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	185527	48.52	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.04%			
49) 1,2-Dichloroethane-d4	9.205	65	246725	49.71	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.42%			
63) Toluene-d8	10.933	98	854262	50.76	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.52%			
86) 4-Bromofluorobenzene	13.008	174	254479	50.36	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.72%			
Target Compounds						Qvalue
6) Vinyl Chloride	3.310	62	3794	0.78	ug/L	90
18) Methylene Chloride	5.963	49	4376	0.61	ug/L	88
21) trans-1,2-Dichloroethene	6.218	61	28918	4.98	ug/L	93
32) cis-1,2-Dichloroethene	8.031	96	148612	30.84	ug/L	96
53) Trichloroethene	9.680	95	19404	4.19	ug/L	95

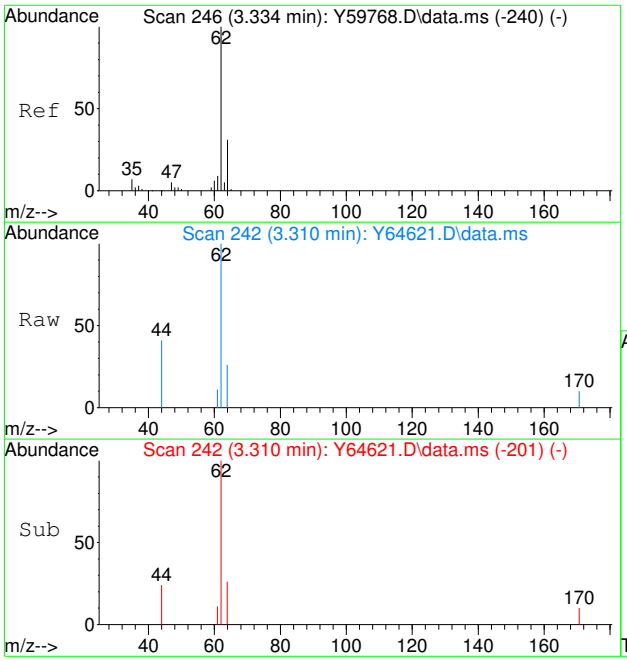
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64621.D
Acq On : 10 Sep 2022 2:40 pm
Operator : adeladl
Sample : FA98517-2
Misc : MS52360,VY2680,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 12 01:45:31 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

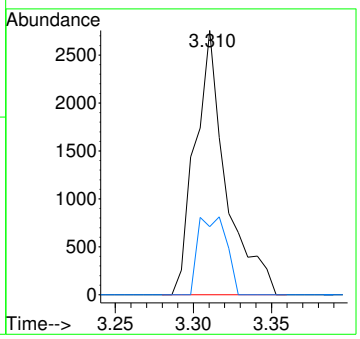


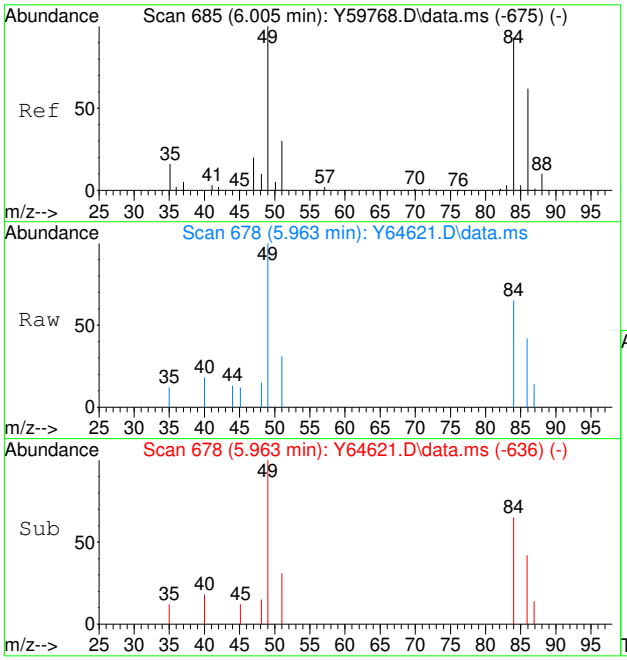


#6
Vinyl Chloride
Concen: 0.78 ug/L
RT: 3.310 min Scan# 242
Delta R.T. -0.000 min
Lab File: Y64621.D
Acq: 10 Sep 2022 2:40 pm

Tgt Ion: 62 Resp: 3794

Ion	Ratio	Lower	Upper
62	100		
64	25.8	1.1	61.1

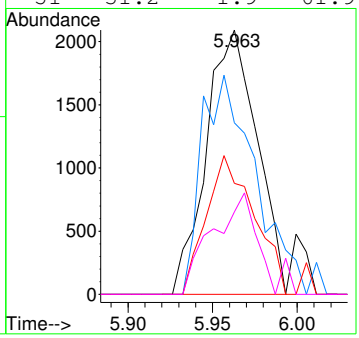


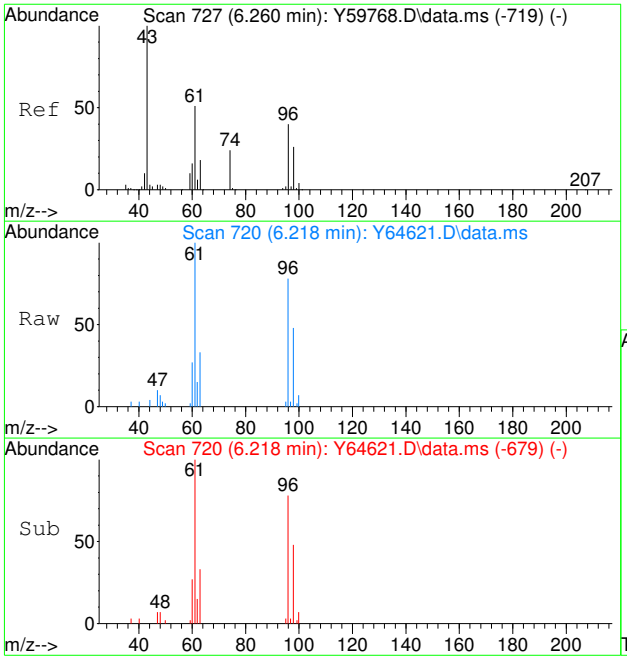


#18
Methylene Chloride
Concen: 0.61 ug/L
RT: 5.963 min Scan# 678
Delta R.T. 0.007 min
Lab File: Y64621.D
Acq: 10 Sep 2022 2:40 pm

Tgt Ion: 49 Resp: 4376

Ion	Ratio	Lower	Upper
49	100		
84	64.8	50.4	110.4
86	41.9	19.4	79.4
51	31.2	1.9	61.9

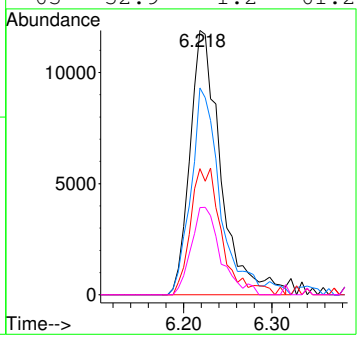


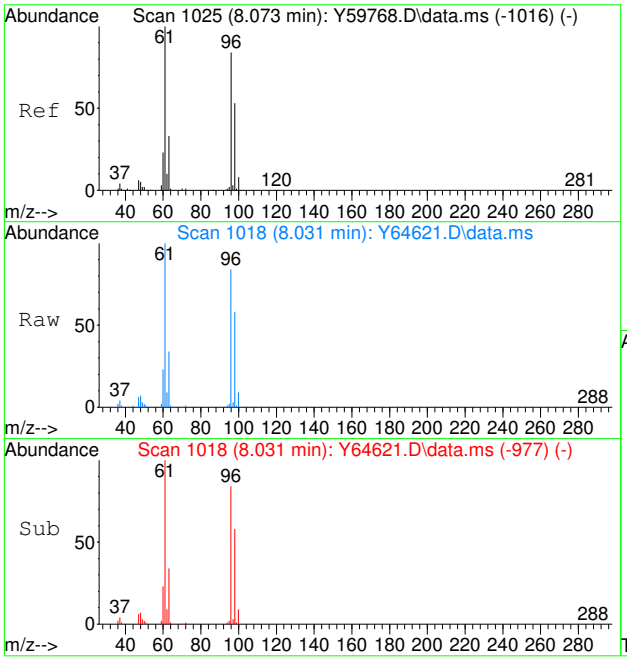


#21
trans-1,2-Dichloroethene
Concen: 4.98 ug/L
RT: 6.218 min Scan# 720
Delta R.T. -0.000 min
Lab File: Y64621.D
Acq: 10 Sep 2022 2:40 pm

Tgt Ion: 61 Resp: 28918

Ion	Ratio	Lower	Upper
61	100		
96	78.2	40.9	100.9
98	47.7	14.1	74.1
63	32.9	1.2	61.2

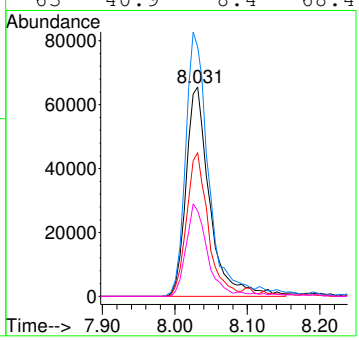


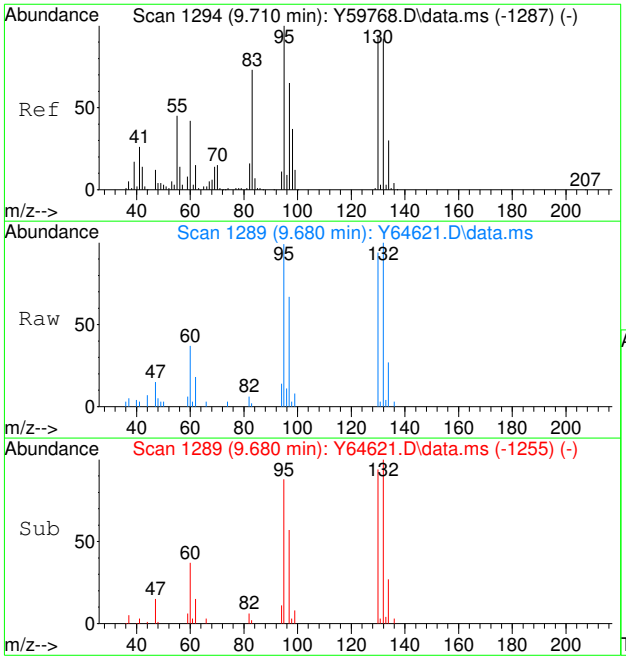


#32
cis-1,2-Dichloroethene
Concen: 30.84 ug/L
RT: 8.031 min Scan# 1018
Delta R.T. -0.000 min
Lab File: Y64621.D
Acq: 10 Sep 2022 2:40 pm

Tgt Ion: 96 Resp: 148612

Ion	Ratio	Lower	Upper
96	100		
61	119.1	90.0	150.0
98	68.7	32.0	92.0
63	40.9	8.4	68.4

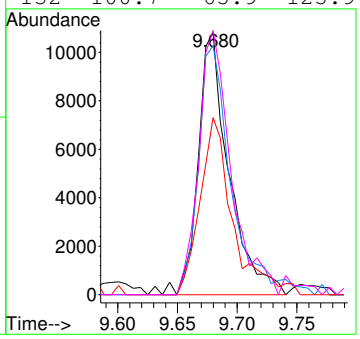




#53
Trichloroethene
Concen: 4.19 ug/L
RT: 9.680 min Scan# 1289
Delta R.T. 0.007 min
Lab File: Y64621.D
Acq: 10 Sep 2022 2:40 pm

Tgt Ion: 95 Resp: 19404

Ion	Ratio	Lower	Upper
95	100		
130	94.9	70.0	130.0
97	67.4	34.2	94.2
132	100.7	65.9	125.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64622.D
Acq On : 10 Sep 2022 3:05 pm
Operator : adeladl
Sample : FA98517-3
Misc : MS52360,VY2680,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 12 01:47:49 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

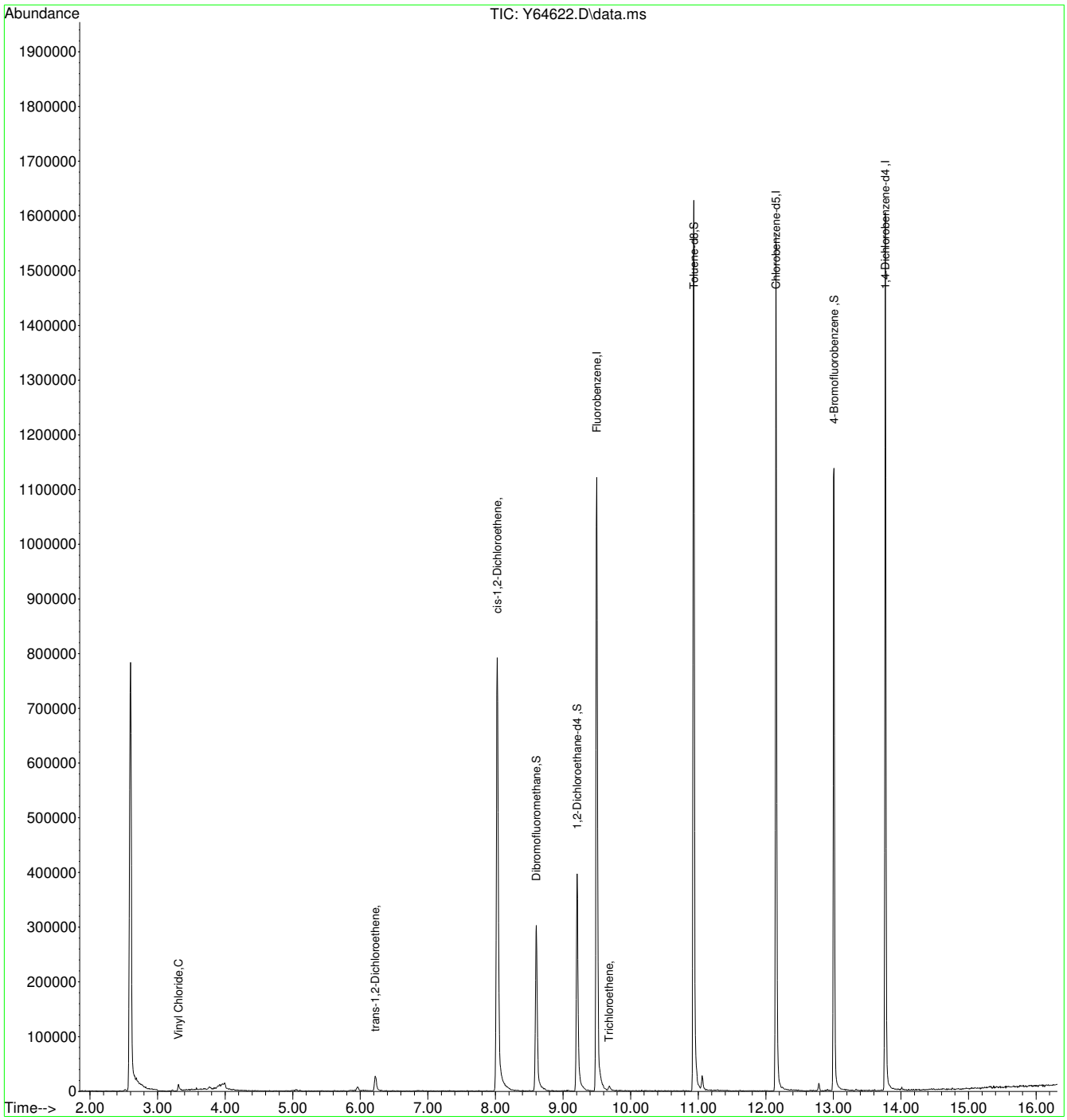
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.499	96	901158	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.151	117	672849	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.770	152	313068	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.605	113	183744	46.81	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.62%			
49) 1,2-Dichloroethane-d4	9.207	65	253216	49.70	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.40%			
63) Toluene-d8	10.935	98	885337	51.42	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 102.84%			
86) 4-Bromofluorobenzene	13.009	174	261535	51.32	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.64%			
Target Compounds						Qvalue
6) Vinyl Chloride	3.306	62	12118	2.41	ug/L	97
21) trans-1,2-Dichloroethene	6.220	61	19393	3.25	ug/L	94
32) cis-1,2-Dichloroethene	8.027	96	410192	82.91	ug/L	98
53) Trichloroethene	9.681	95	3091	0.65	ug/L	89

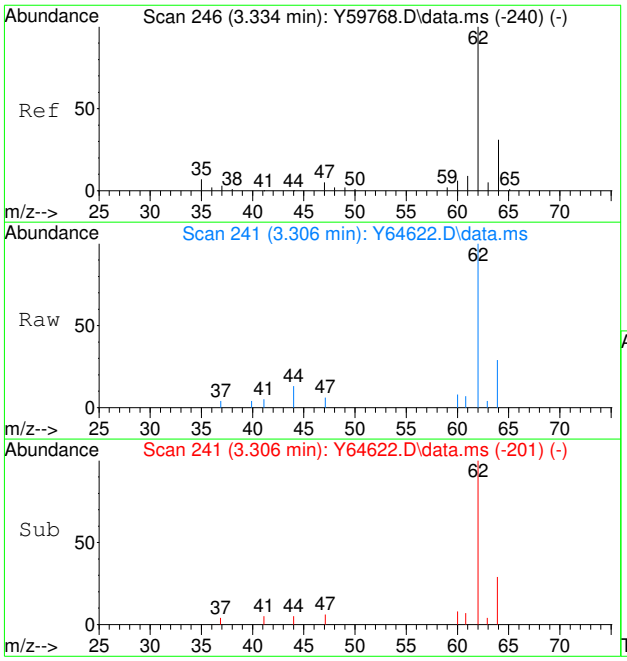
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64622.D
Acq On : 10 Sep 2022 3:05 pm
Operator : adeladl
Sample : FA98517-3
Misc : MS52360,VY2680,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 12 01:47:49 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

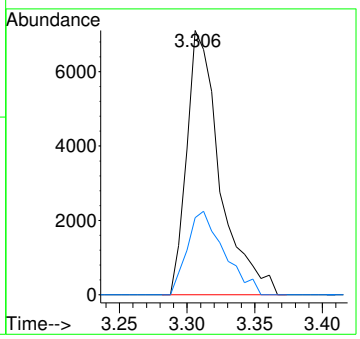


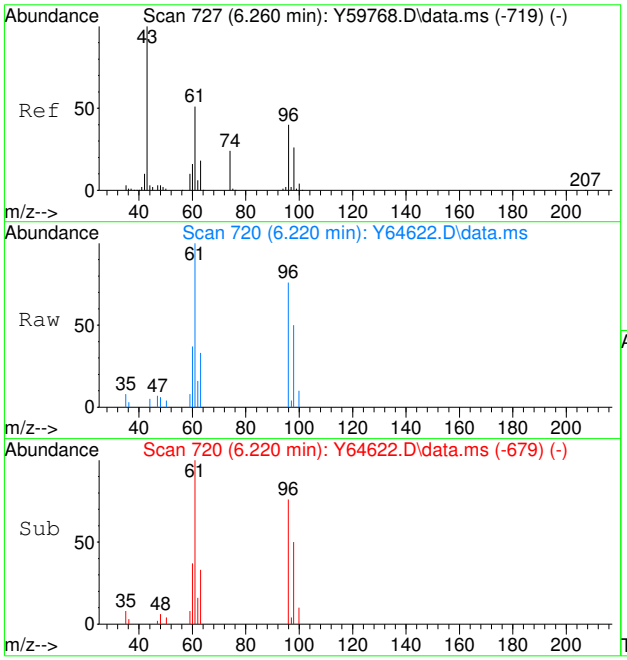


#6
Vinyl Chloride
Concen: 2.41 ug/L
RT: 3.306 min Scan# 241
Delta R.T. -0.005 min
Lab File: Y64622.D
Acq: 10 Sep 2022 3:05 pm

Tgt Ion: 62 Resp: 12118

Ion	Ratio	Lower	Upper
62	100		
64	29.2	1.1	61.1

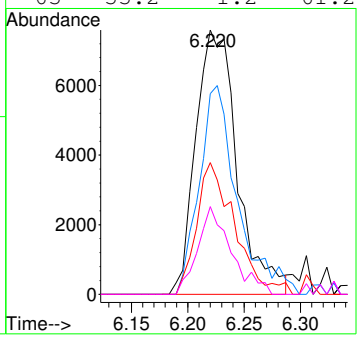


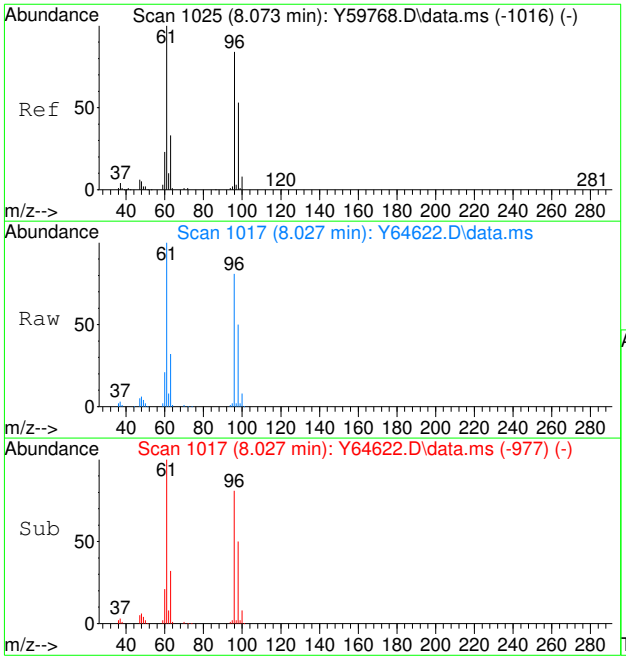


#21
trans-1,2-Dichloroethene
Concen: 3.25 ug/L
RT: 6.220 min Scan# 720
Delta R.T. 0.002 min
Lab File: Y64622.D
Acq: 10 Sep 2022 3:05 pm

Tgt Ion: 61 Resp: 19393

Ion	Ratio	Lower	Upper
61	100		
96	75.9	40.9	100.9
98	49.8	14.1	74.1
63	33.2	1.2	61.2

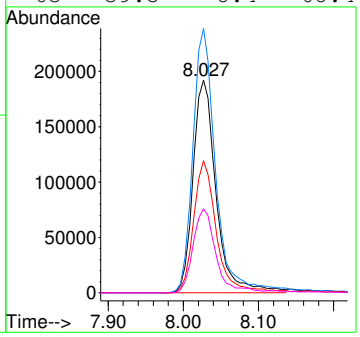


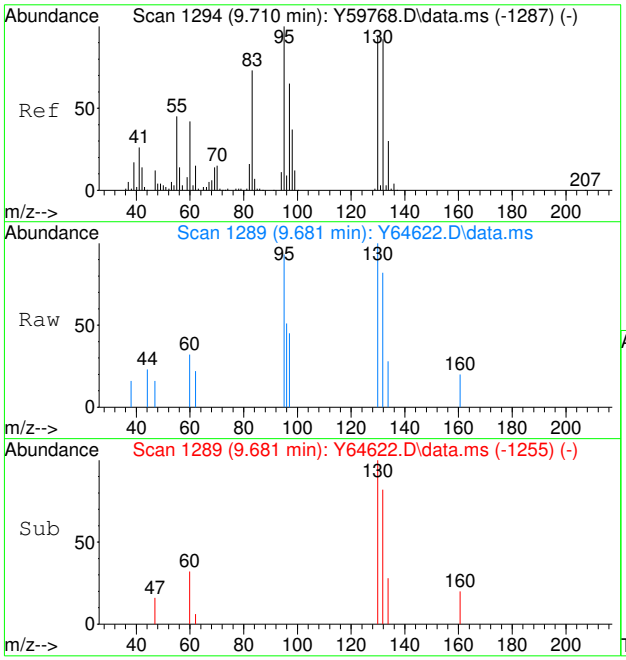


#32
cis-1,2-Dichloroethene
Concen: 82.91 ug/L
RT: 8.027 min Scan# 1017
Delta R.T. -0.005 min
Lab File: Y64622.D
Acq: 10 Sep 2022 3:05 pm

Tgt Ion: 96 Resp: 410192

Ion	Ratio	Lower	Upper
96	100		
61	124.2	90.0	150.0
98	62.0	32.0	92.0
63	39.5	8.4	68.4

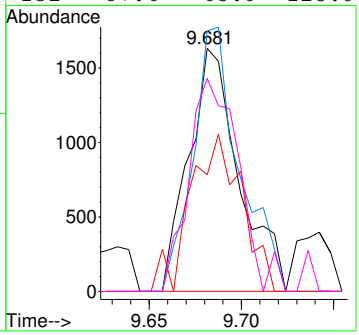




#53
Trichloroethene
Concen: 0.65 ug/L
RT: 9.681 min Scan# 1289
Delta R.T. 0.008 min
Lab File: Y64622.D
Acq: 10 Sep 2022 3:05 pm

Tgt Ion: 95 Resp: 3091

Ion	Ratio	Lower	Upper
95	100		
130	107.2	70.0	130.0
97	48.0	34.2	94.2
132	87.6	65.9	125.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751292.d
Acq On : 14 Sep 2022 6:19 pm
Operator : joannel
Sample : FA98517-4 2X Inst : MSVOA16
Misc : MS52360,VI2691,,,,,2
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 00:53:35 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

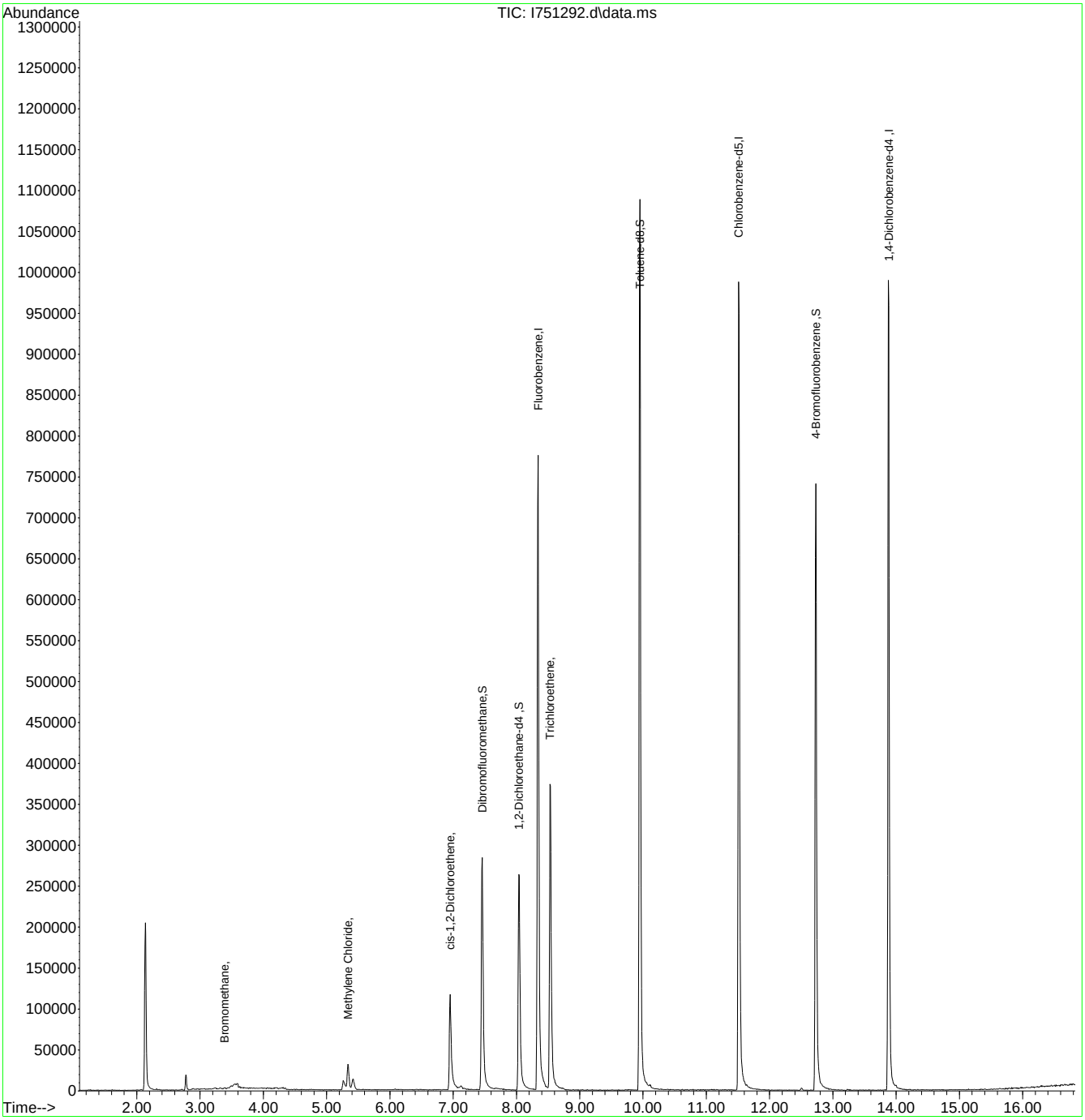
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.341	96	659391	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	525334	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.883	152	254981	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.457	113	185085	50.21	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.42%			
49) 1,2-Dichloroethane-d4	8.037	65	201187	48.99	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.98%			
63) Toluene-d8	9.951	98	677732	48.17	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.34%			
86) 4-Bromofluorobenzene	12.731	174	209401	49.57	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.14%			
Target Compounds						Qvalue
6) Bromomethane	3.385	94	761	0.50	ug/L	69
18) Methylene Chloride	5.336	49	20863	4.05	ug/L	96
32) cis-1,2-Dichloroethene	6.951	96	58114	20.62	ug/L	91
53) Trichloroethene	8.530	95	130696	46.30	ug/L	98

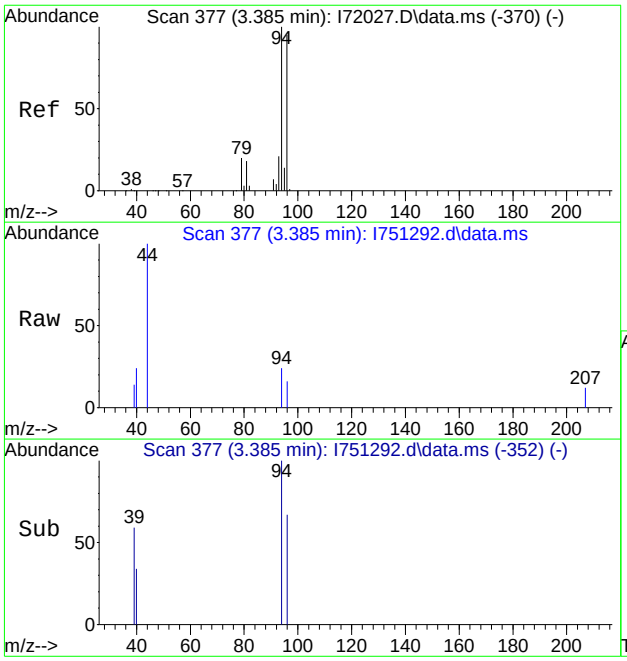
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751292.d
Acq On : 14 Sep 2022 6:19 pm
Operator : joannel
Sample : FA98517-4 2X Inst : MSVOA16
Misc : MS52360,VI2691,,,,,2
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 00:53:35 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

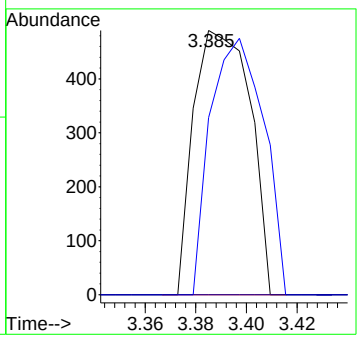


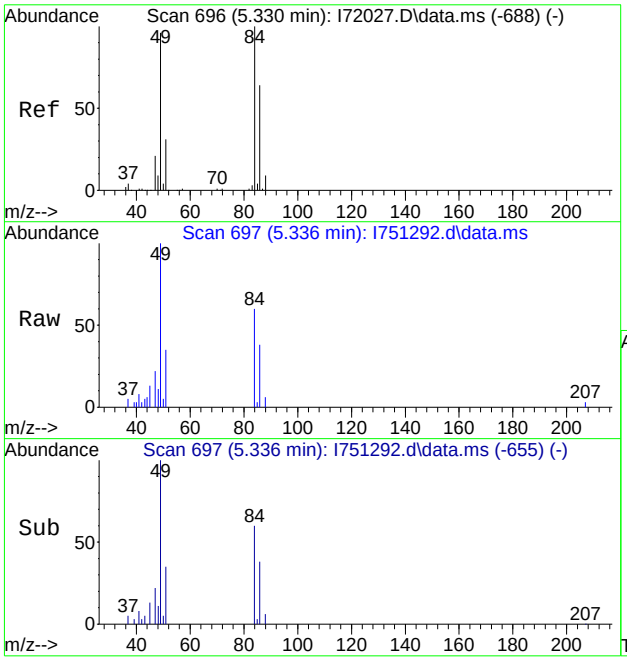


#6
Bromomethane
Concen: 0.50 ug/L
RT: 3.385 min Scan# 377
Delta R.T. 0.000 min
Lab File: I751292.d
Acq: 14 Sep 2022 6:19 pm

Tgt Ion: 94 Resp: 761

Ion	Ratio	Lower	Upper
94	100		
96	66.9	63.4	123.4
93	0.0	0.0	51.9

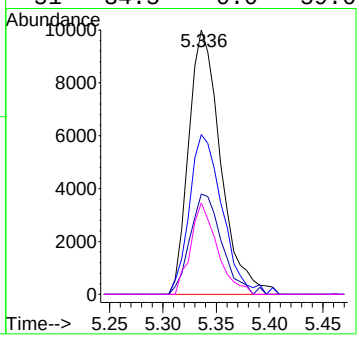


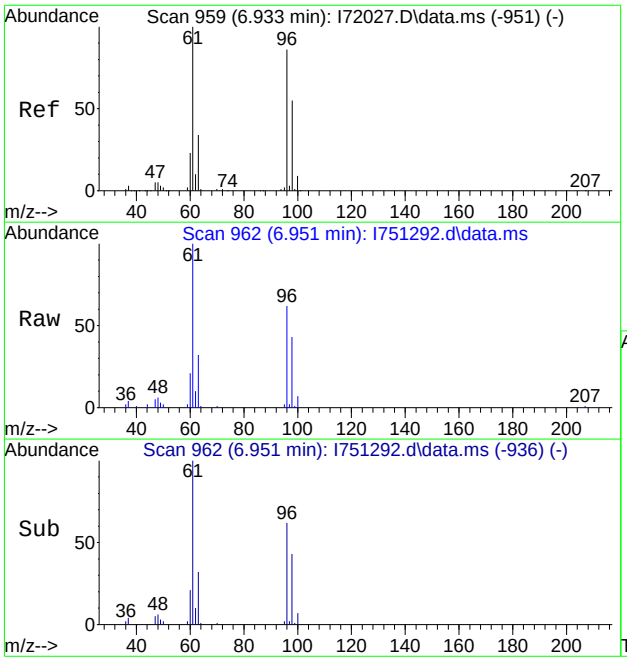


#18
Methylene Chloride
Concen: 4.05 ug/L
RT: 5.336 min Scan# 697
Delta R.T. 0.006 min
Lab File: I751292.d
Acq: 14 Sep 2022 6:19 pm

Tgt Ion: 49 Resp: 20863

Ion	Ratio	Lower	Upper
49	100		
84	60.4	29.6	89.6
86	38.0	10.2	70.2
51	34.5	0.0	59.6

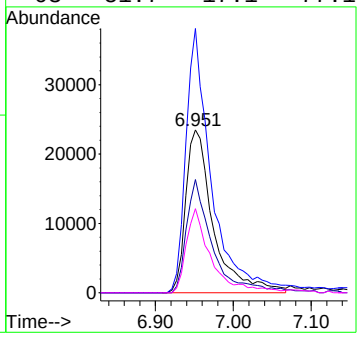


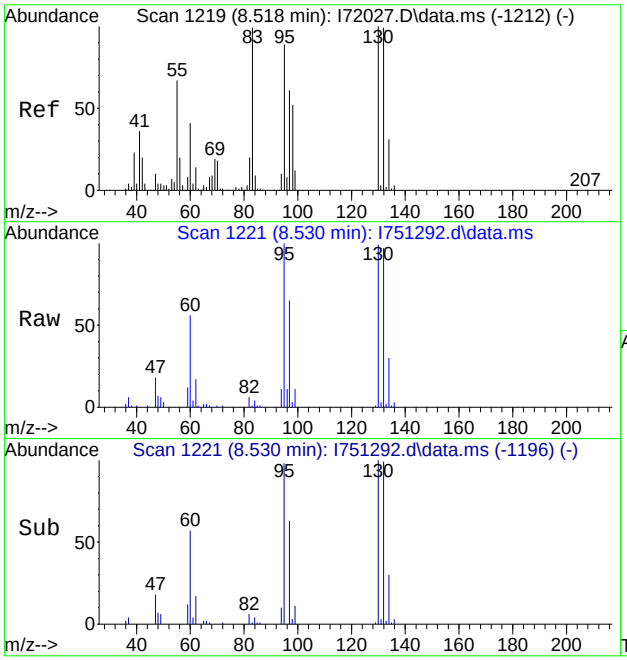


#32
cis-1,2-Dichloroethene
Concen: 20.62 ug/L
RT: 6.951 min Scan# 962
Delta R.T. 0.006 min
Lab File: I751292.d
Acq: 14 Sep 2022 6:19 pm

Tgt Ion: 96 Resp: 58114

Ion	Ratio	Lower	Upper
96	100		
61	162.4	119.3	179.3
98	69.6	33.6	93.6
63	51.7	17.1	77.1

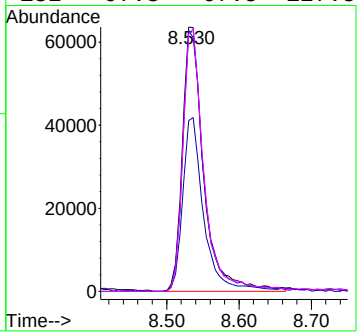




#53
Trichloroethene
Concen: 46.30 ug/L
RT: 8.530 min Scan# 1221
Delta R.T. 0.000 min
Lab File: I751292.d
Acq: 14 Sep 2022 6:19 pm

Tgt Ion: 95 Resp: 130696

Ion	Ratio	Lower	Upper
95	100		
130	98.7	65.3	125.3
97	64.6	33.5	93.5
132	97.3	67.5	127.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64623.D
Acq On : 10 Sep 2022 3:30 pm
Operator : adeladl
Sample : FA98517-4
Misc : MS52360,VY2680,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 12 01:48:20 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

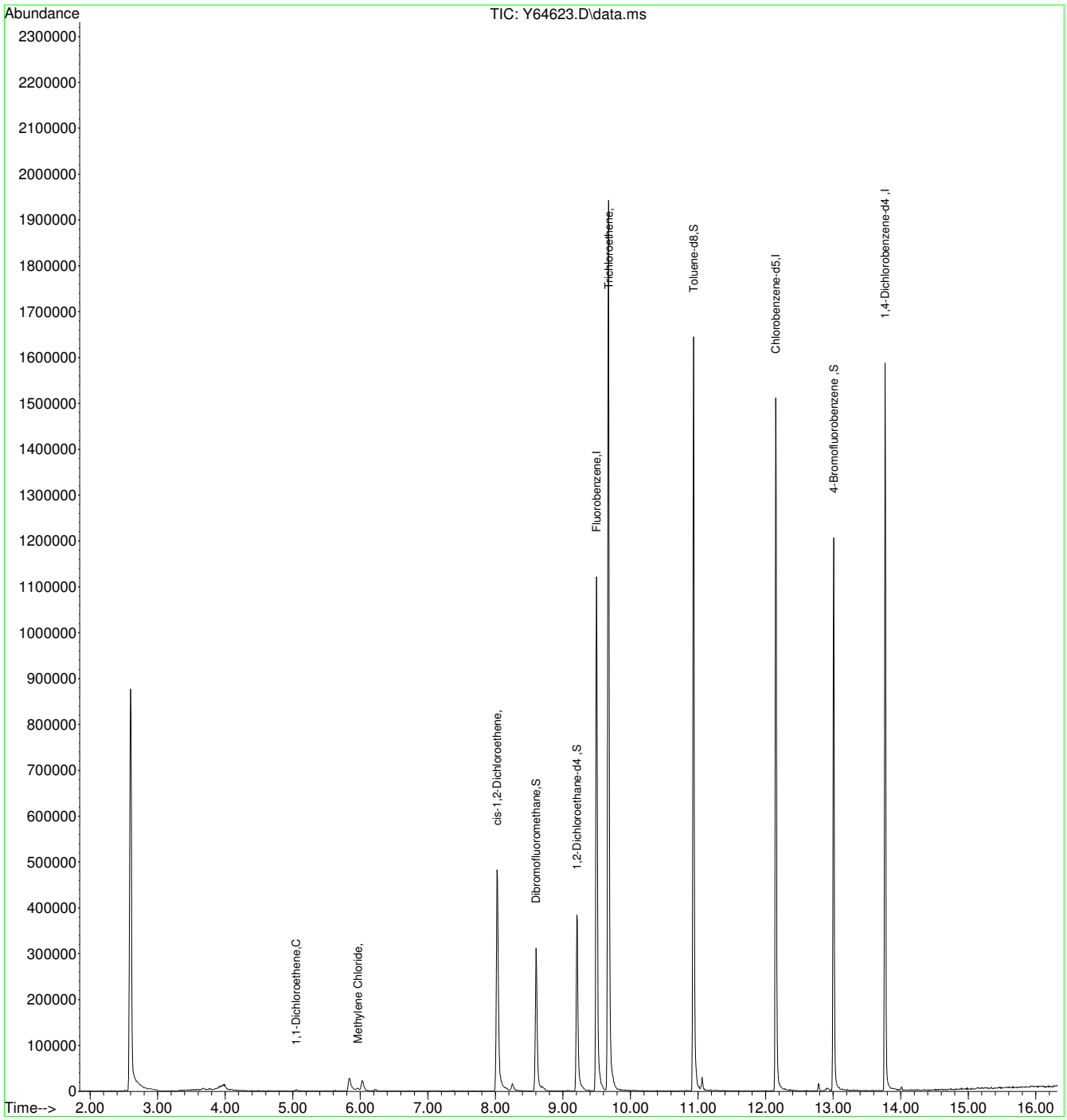
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	890417	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	676186	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	312660	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	187272	48.28	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.56%			
49) 1,2-Dichloroethane-d4	9.205	65	251425	49.94	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.88%			
63) Toluene-d8	10.933	98	866922	50.11	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.22%			
86) 4-Bromofluorobenzene	13.008	174	253668	49.84	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.68%			
Target Compounds						Qvalue
13) 1,1-Dichloroethene	5.050	61	1736	0.29	ug/L #	80
18) Methylene Chloride	5.963	49	2750	0.38	ug/L	87
32) cis-1,2-Dichloroethene	8.025	96	254505	52.06	ug/L	99
53) Trichloroethene	9.674	95	547312	113.61	ug/L	94

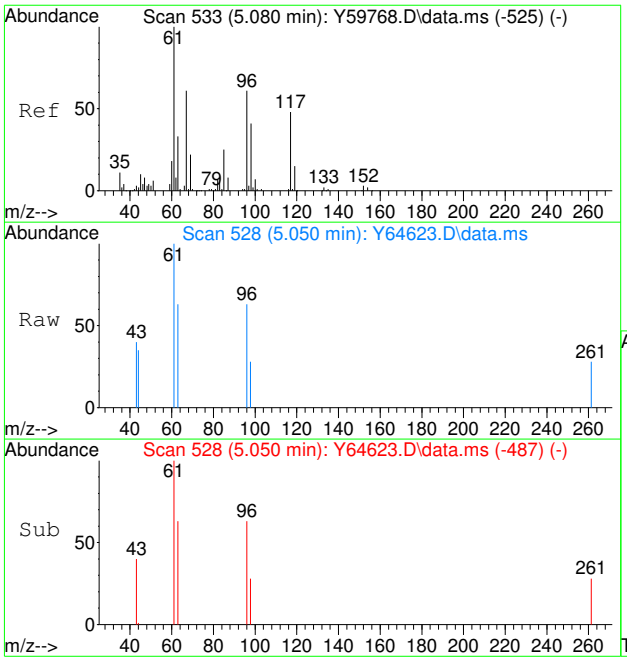
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64623.D
Acq On : 10 Sep 2022 3:30 pm
Operator : adeladl
Sample : FA98517-4
Misc : MS52360,VY2680,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 12 01:48:20 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

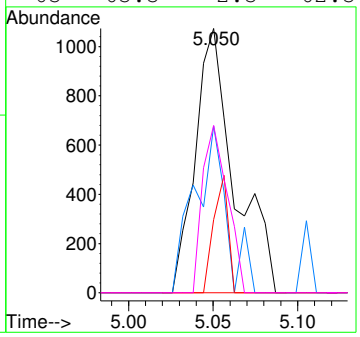


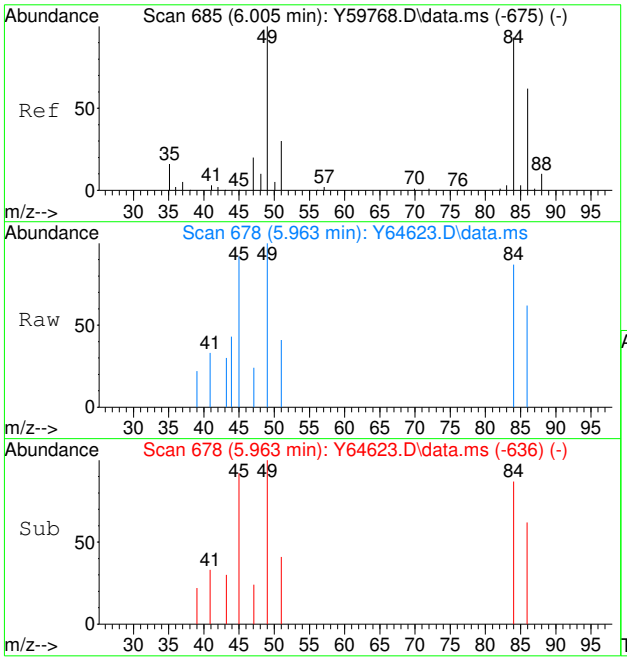


#13
1,1-Dichloroethene
Concen: 0.29 ug/L
RT: 5.050 min Scan# 528
Delta R.T. -0.000 min
Lab File: Y64623.D
Acq: 10 Sep 2022 3:30 pm

Tgt Ion: 61 Resp: 1736

Ion	Ratio	Lower	Upper
61	100		
96	63.0	32.2	92.2
98	27.7	11.4	71.4
63	63.3	2.3	62.3#

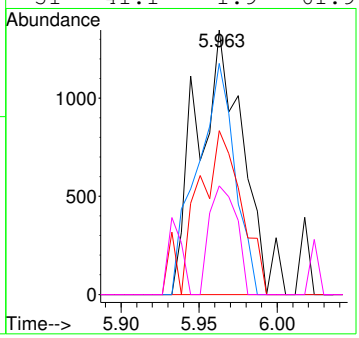


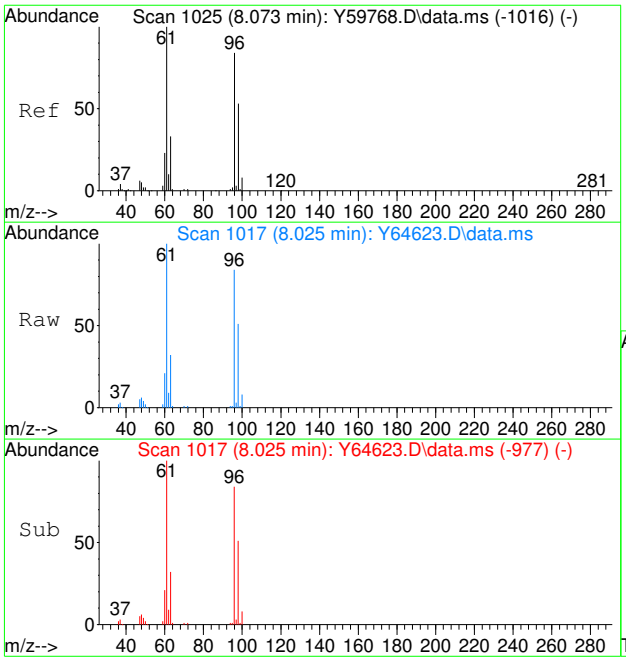


#18
Methylene Chloride
Concen: 0.38 ug/L
RT: 5.963 min Scan# 678
Delta R.T. 0.007 min
Lab File: Y64623.D
Acq: 10 Sep 2022 3:30 pm

Tgt Ion: 49 Resp: 2750

Ion	Ratio	Lower	Upper
49	100		
84	87.3	50.4	110.4
86	61.9	19.4	79.4
51	41.1	1.9	61.9

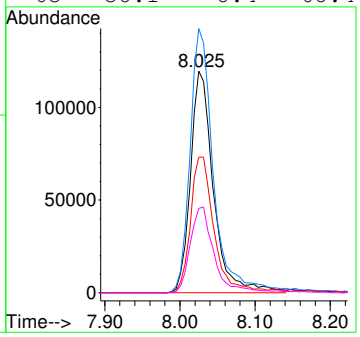


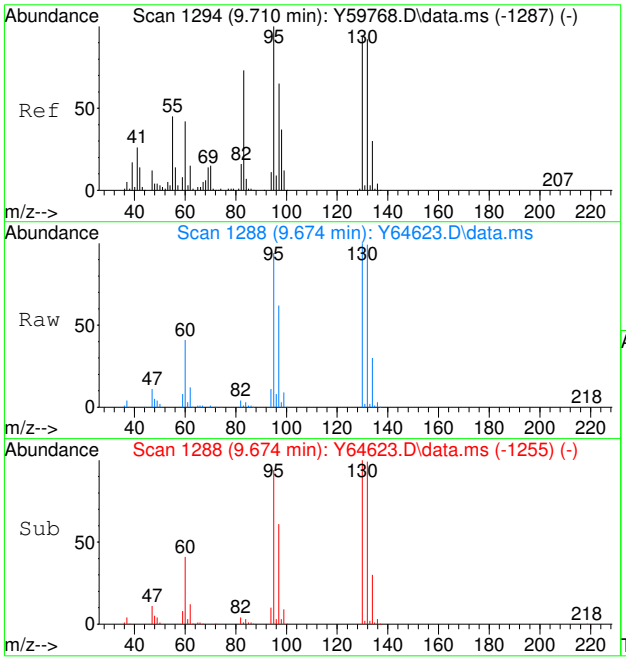


#32
cis-1,2-Dichloroethene
Concen: 52.06 ug/L
RT: 8.025 min Scan# 1017
Delta R.T. -0.006 min
Lab File: Y64623.D
Acq: 10 Sep 2022 3:30 pm

Tgt Ion: 96 Resp: 254505

Ion	Ratio	Lower	Upper
96	100		
61	119.2	90.0	150.0
98	61.2	32.0	92.0
63	38.1	8.4	68.4

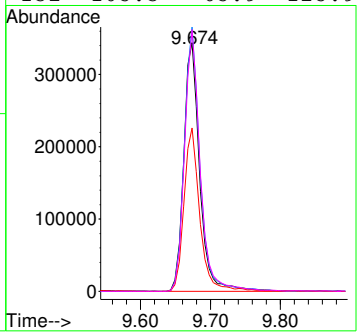




#53
Trichloroethene
Concen: 113.61 ug/L
RT: 9.674 min Scan# 1288
Delta R.T. 0.001 min
Lab File: Y64623.D
Acq: 10 Sep 2022 3:30 pm

Tgt Ion: 95 Resp: 547312

Ion	Ratio	Lower	Upper
95	100		
130	106.3	70.0	130.0
97	65.6	34.2	94.2
132	105.3	65.9	125.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64624.D
Acq On : 10 Sep 2022 3:54 pm
Operator : adeladl
Sample : FA98517-5
Misc : MS52360,VY2680,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 12 01:50:51 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

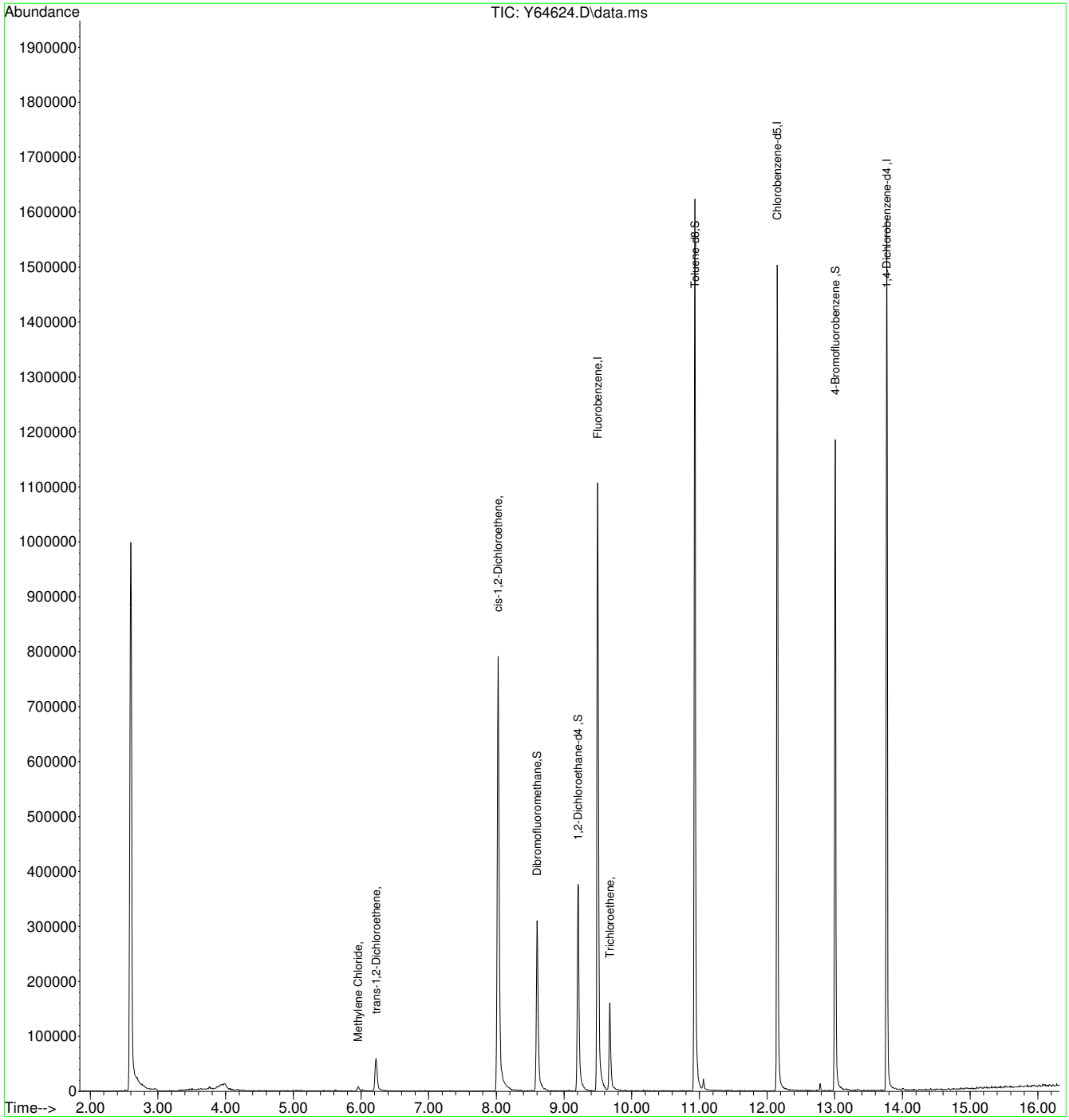
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	881468	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	658406	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	307982	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	177733	46.29	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.58%			
49) 1,2-Dichloroethane-d4	9.205	65	249183	50.00	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.00%			
63) Toluene-d8	10.933	98	858448	50.96	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.92%			
86) 4-Bromofluorobenzene	13.007	174	257018	51.27	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.54%			
Target Compounds						Qvalue
18) Methylene Chloride	5.957	49	6063	0.84	ug/L	82
21) trans-1,2-Dichloroethene	6.224	61	43813	7.51	ug/L	93
32) cis-1,2-Dichloroethene	8.025	96	401898	83.05	ug/L	97
53) Trichloroethene	9.674	95	49709	10.66	ug/L	95

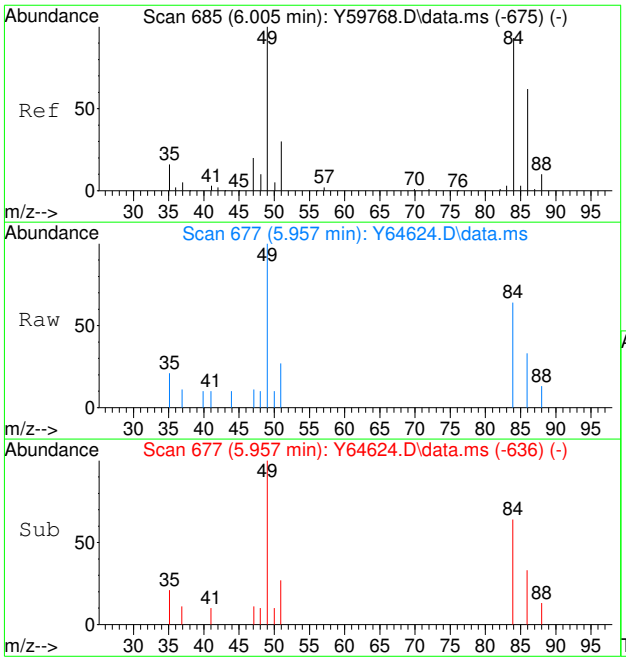
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64624.D
Acq On : 10 Sep 2022 3:54 pm
Operator : adeladl
Sample : FA98517-5
Misc : MS52360,VY2680,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 12 01:50:51 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

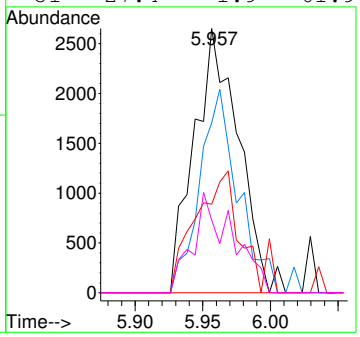


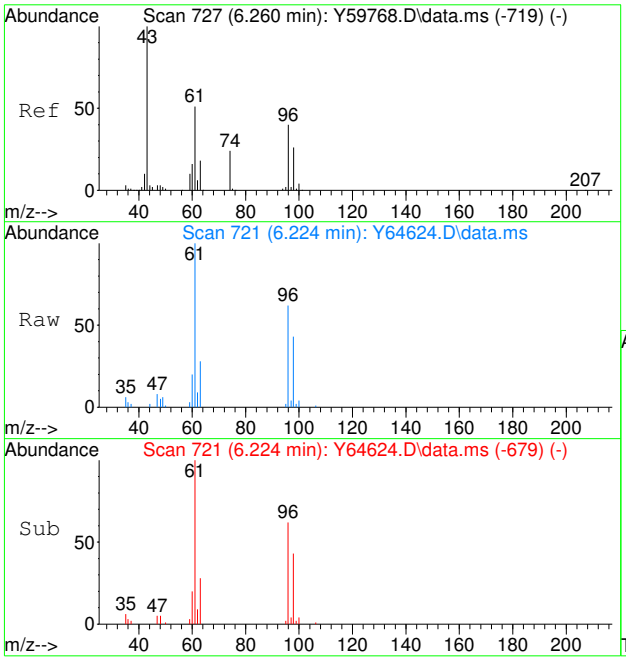


#18
Methylene Chloride
Concen: 0.84 ug/L
RT: 5.957 min Scan# 677
Delta R.T. 0.001 min
Lab File: Y64624.D
Acq: 10 Sep 2022 3:54 pm

Tgt Ion: 49 Resp: 6063

Ion	Ratio	Lower	Upper
49	100		
84	64.2	50.4	110.4
86	33.5	19.4	79.4
51	27.4	1.9	61.9

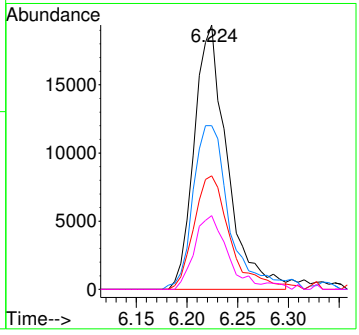


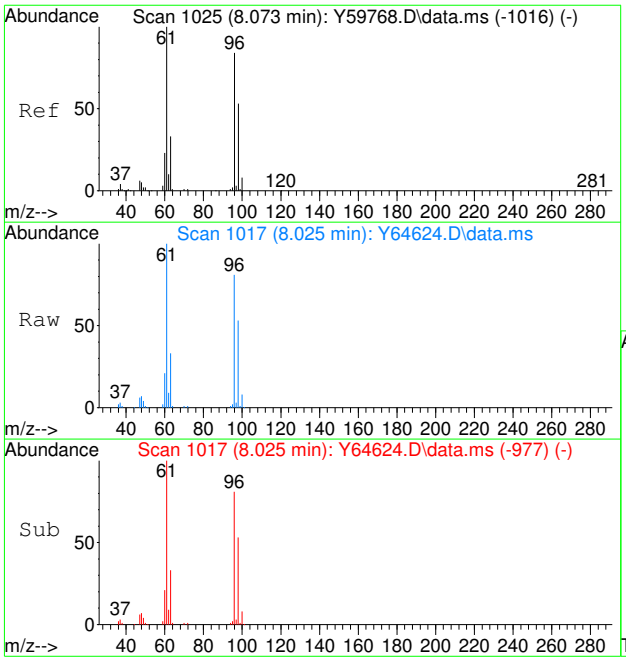


#21
trans-1,2-Dichloroethene
Concen: 7.51 ug/L
RT: 6.224 min Scan# 721
Delta R.T. 0.006 min
Lab File: Y64624.D
Acq: 10 Sep 2022 3:54 pm

Tgt Ion: 61 Resp: 43813

Ion	Ratio	Lower	Upper
61	100		
96	61.9	40.9	100.9
98	42.9	14.1	74.1
63	27.9	1.2	61.2

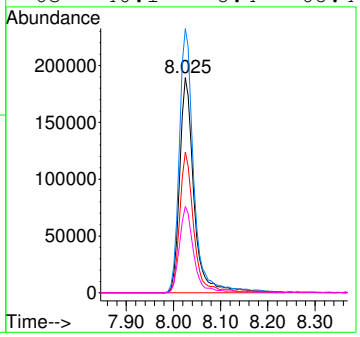


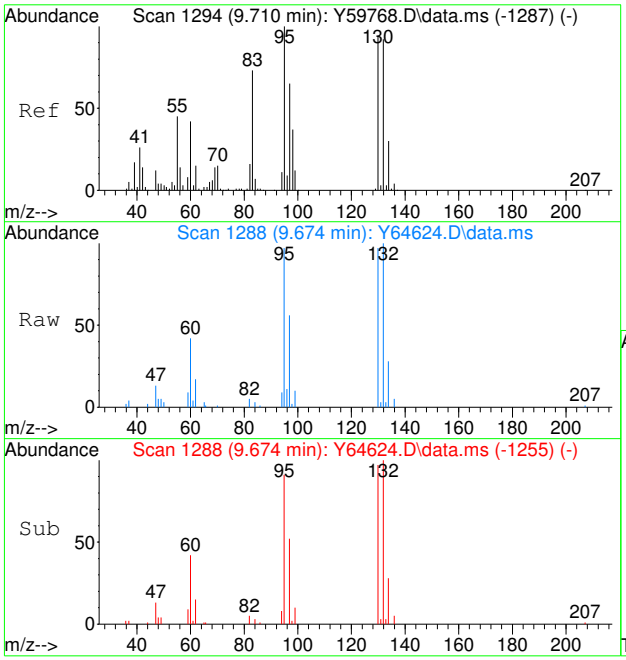


#32
cis-1,2-Dichloroethene
Concen: 83.05 ug/L
RT: 8.025 min Scan# 1017
Delta R.T. -0.006 min
Lab File: Y64624.D
Acq: 10 Sep 2022 3:54 pm

Tgt Ion: 96 Resp: 401898

Ion	Ratio	Lower	Upper
96	100		
61	122.8	90.0	150.0
98	65.4	32.0	92.0
63	40.1	8.4	68.4

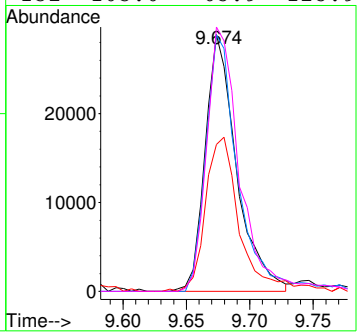




#53
Trichloroethene
Concen: 10.66 ug/L
RT: 9.674 min Scan# 1288
Delta R.T. 0.001 min
Lab File: Y64624.D
Acq: 10 Sep 2022 3:54 pm

Tgt Ion: 95 Resp: 49709

Ion	Ratio	Lower	Upper
95	100		
130	99.9	70.0	130.0
97	57.3	34.2	94.2
132	103.0	65.9	125.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64617.D
Acq On : 10 Sep 2022 1:01 pm
Operator : adeladl
Sample : FA98517-6
Misc : MS52360,VY2680,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 12 01:43:31 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

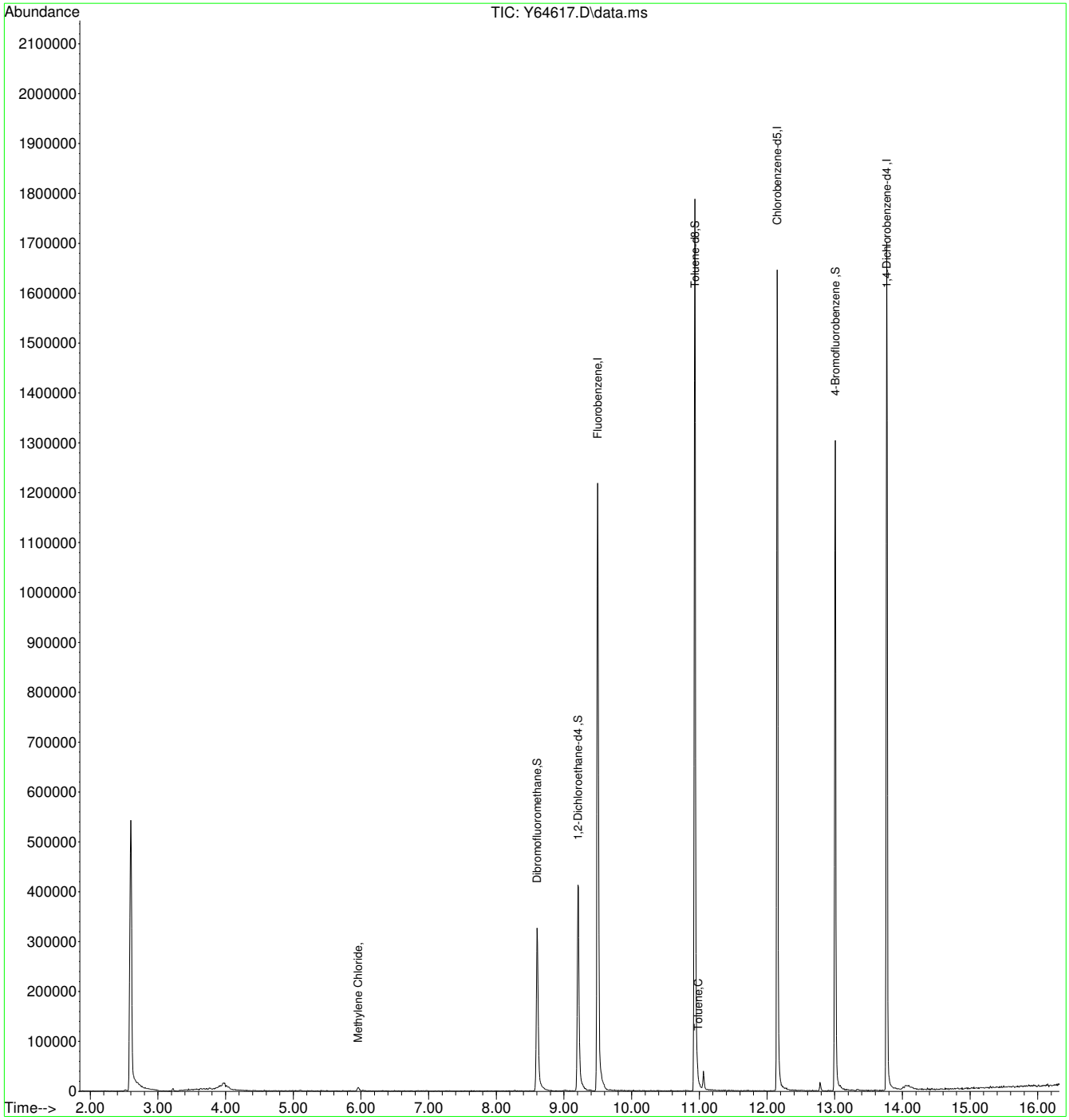
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.498	96	975384	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	729657	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	333305	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	201227	47.36	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.72%			
49) 1,2-Dichloroethane-d4	9.206	65	275426	49.95	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.90%			
63) Toluene-d8	10.933	98	954003	51.10	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 102.20%			
86) 4-Bromofluorobenzene	13.008	174	285010	52.53	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 105.06%			
Target Compounds						Qvalue
18) Methylene Chloride	5.957	49	5548	0.70	ug/L	85
64) Toluene	10.982	91	1458	0.06	ug/L	89

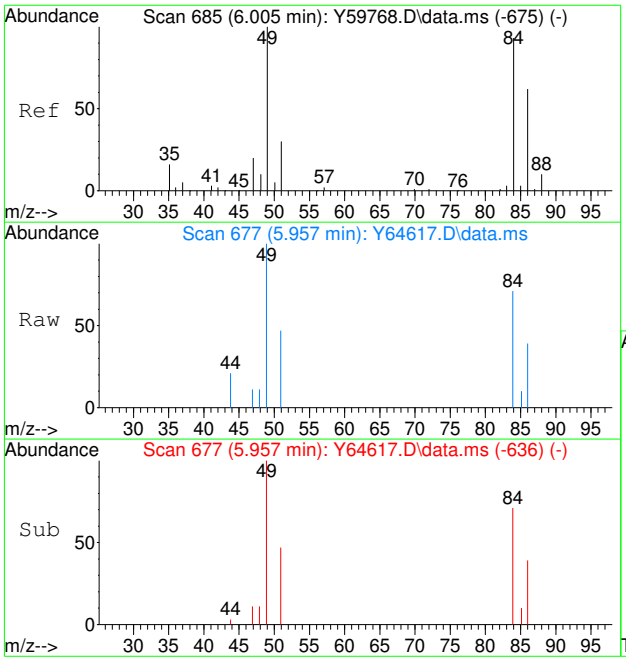
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64617.D
Acq On : 10 Sep 2022 1:01 pm
Operator : adeladl
Sample : FA98517-6
Misc : MS52360,VY2680,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 12 01:43:31 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

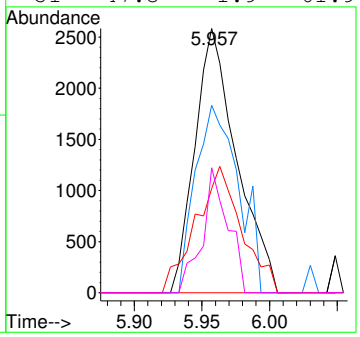


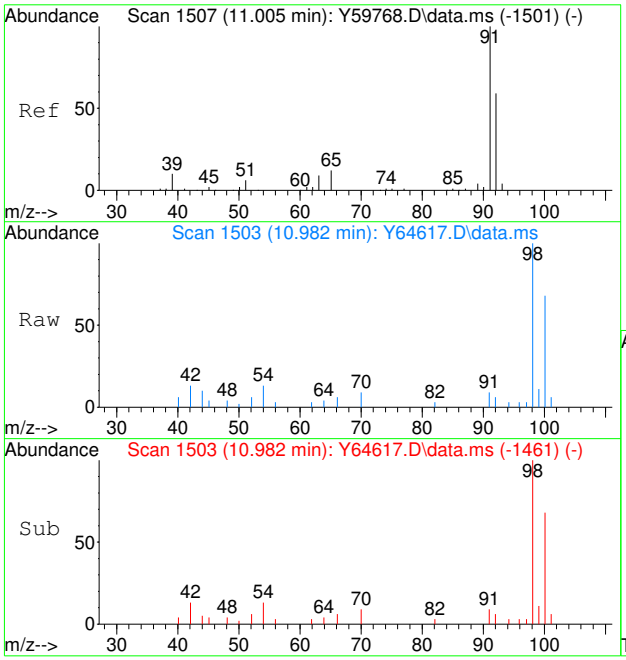


#18
Methylene Chloride
Concen: 0.70 ug/L
RT: 5.957 min Scan# 677
Delta R.T. 0.001 min
Lab File: Y64617.D
Acq: 10 Sep 2022 1:01 pm

Tgt Ion: 49 Resp: 5548

Ion	Ratio	Lower	Upper
49	100		
84	70.9	50.4	110.4
86	39.5	19.4	79.4
51	47.3	1.9	61.9

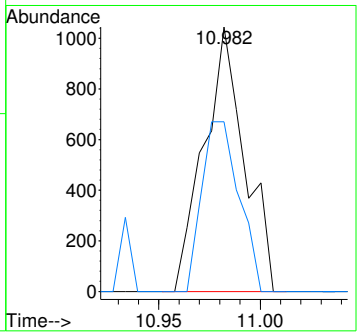




#64
Toluene
Concen: 0.06 ug/L
RT: 10.982 min Scan# 1503
Delta R.T. 0.006 min
Lab File: Y64617.D
Acq: 10 Sep 2022 1:01 pm

Tgt Ion: 91 Resp: 1458

Ion	Ratio	Lower	Upper
91	100		
92	64.1	26.2	86.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64632.D
Acq On : 10 Sep 2022 7:12 pm
Operator : adeladl
Sample : FA98517-7 5X
Misc : MS52360,VY2680,,,,,5
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 12 01:56:28 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

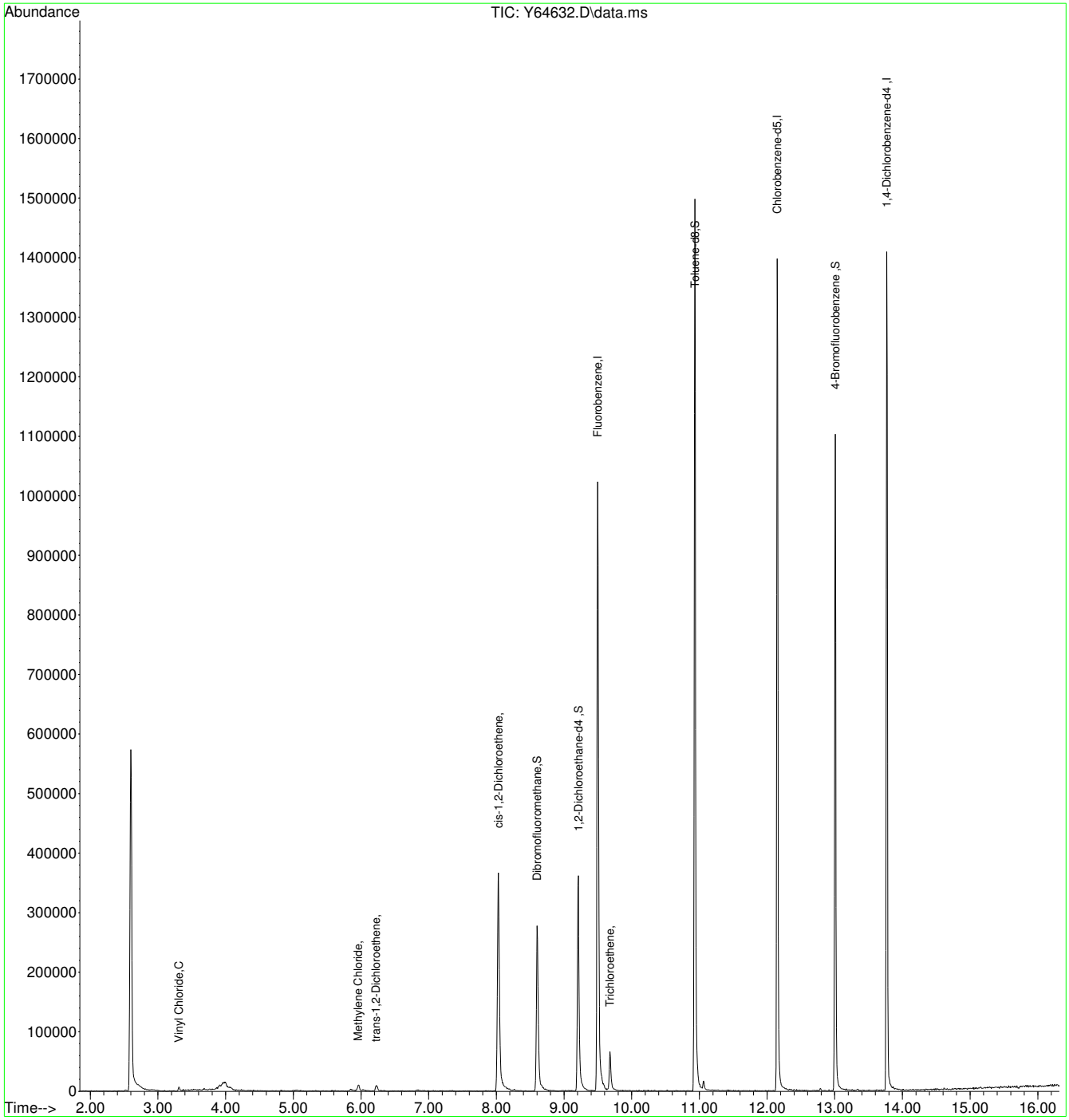
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	821322	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	613005	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	277919	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	170387	47.63	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.26%			
49) 1,2-Dichloroethane-d4	9.211	65	227117	48.91	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.82%			
63) Toluene-d8	10.933	98	788192	50.25	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.50%			
86) 4-Bromofluorobenzene	13.007	174	231945	51.27	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.54%			
Target Compounds						Qvalue
6) Vinyl Chloride	3.310	62	5868	1.28	ug/L	75
18) Methylene Chloride	5.956	49	7288	1.09	ug/L	82
21) trans-1,2-Dichloroethene	6.218	61	7279	1.34	ug/L	88
32) cis-1,2-Dichloroethene	8.031	96	183766	40.76	ug/L	97
53) Trichloroethene	9.679	95	22111	5.10	ug/L	92

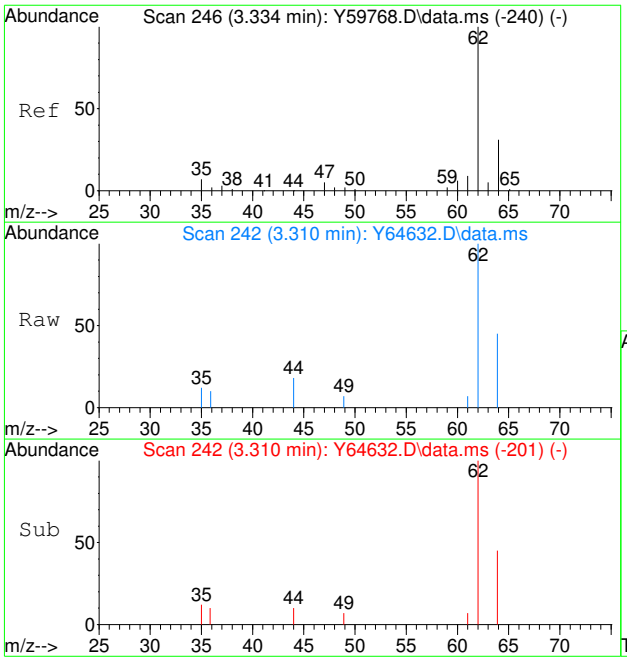
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64632.D
Acq On : 10 Sep 2022 7:12 pm
Operator : adeladl
Sample : FA98517-7 5X
Misc : MS52360,VY2680,,,,,5
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 12 01:56:28 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

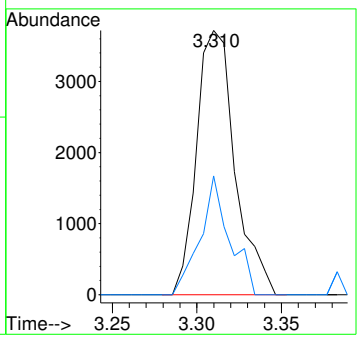


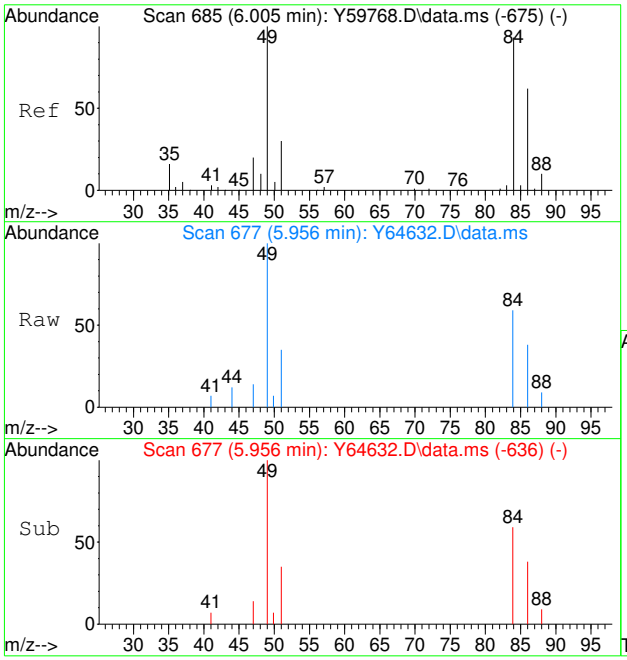


#6
Vinyl Chloride
Concen: 1.28 ug/L
RT: 3.310 min Scan# 242
Delta R.T. -0.001 min
Lab File: Y64632.D
Acq: 10 Sep 2022 7:12 pm

Tgt Ion: 62 Resp: 5868

Ion	Ratio	Lower	Upper
62	100		
64	45.0	1.1	61.1

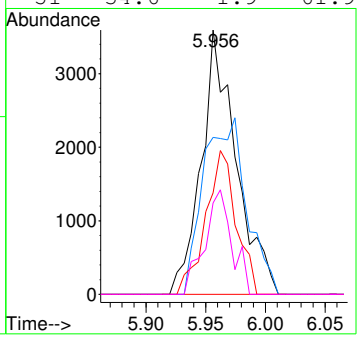


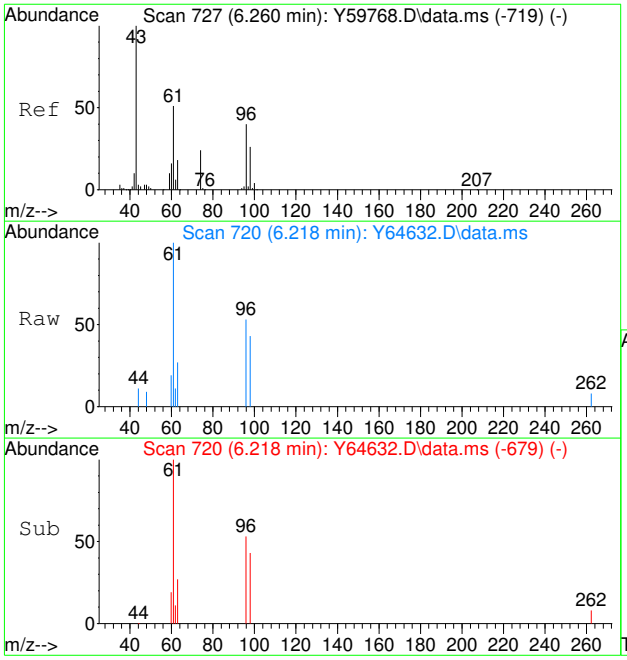


#18
Methylene Chloride
Concen: 1.09 ug/L
RT: 5.956 min Scan# 677
Delta R.T. 0.000 min
Lab File: Y64632.D
Acq: 10 Sep 2022 7:12 pm

Tgt Ion: 49 Resp: 7288

Ion	Ratio	Lower	Upper
49	100		
84	59.3	50.4	110.4
86	38.4	19.4	79.4
51	34.6	1.9	61.9

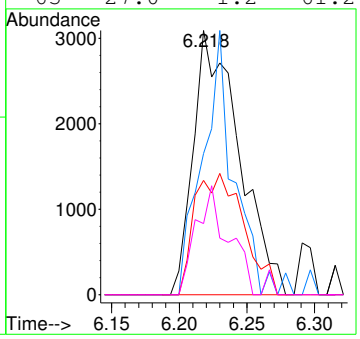


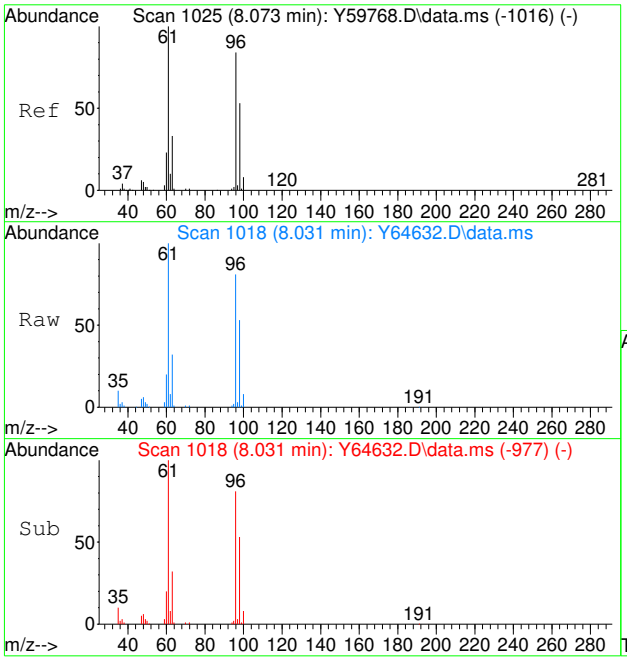


#21
trans-1,2-Dichloroethene
Concen: 1.34 ug/L
RT: 6.218 min Scan# 720
Delta R.T. -0.001 min
Lab File: Y64632.D
Acq: 10 Sep 2022 7:12 pm

Tgt Ion: 61 Resp: 7279

Ion	Ratio	Lower	Upper
61	100		
96	53.4	40.9	100.9
98	43.3	14.1	74.1
63	27.0	1.2	61.2

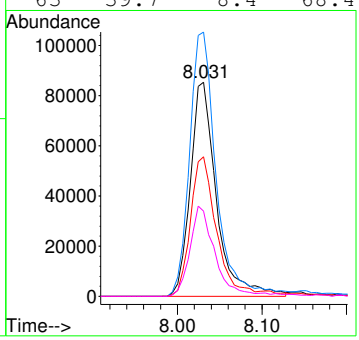


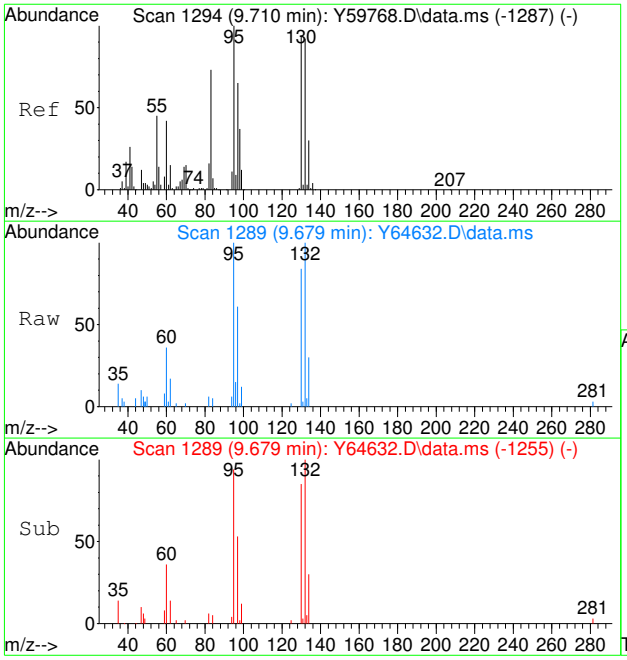


#32
cis-1,2-Dichloroethene
Concen: 40.76 ug/L
RT: 8.031 min Scan# 1018
Delta R.T. -0.001 min
Lab File: Y64632.D
Acq: 10 Sep 2022 7:12 pm

Tgt Ion: 96 Resp: 183766

Ion	Ratio	Lower	Upper
96	100		
61	123.4	90.0	150.0
98	65.1	32.0	92.0
63	39.7	8.4	68.4

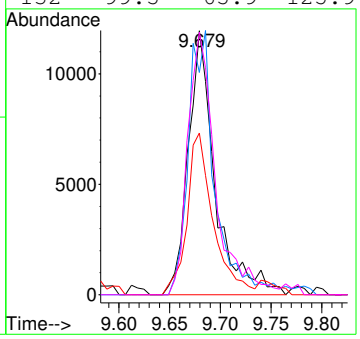




#53
Trichloroethene
Concen: 5.10 ug/L
RT: 9.679 min Scan# 1289
Delta R.T. 0.006 min
Lab File: Y64632.D
Acq: 10 Sep 2022 7:12 pm

Tgt Ion: 95 Resp: 22111

Ion	Ratio	Lower	Upper
95	100		
130	84.2	70.0	130.0
97	61.2	34.2	94.2
132	99.5	65.9	125.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64616.D
Acq On : 10 Sep 2022 12:37 pm
Operator : adeladl
Sample : MB
Misc : MS52320,VY2680,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 01:43:00 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

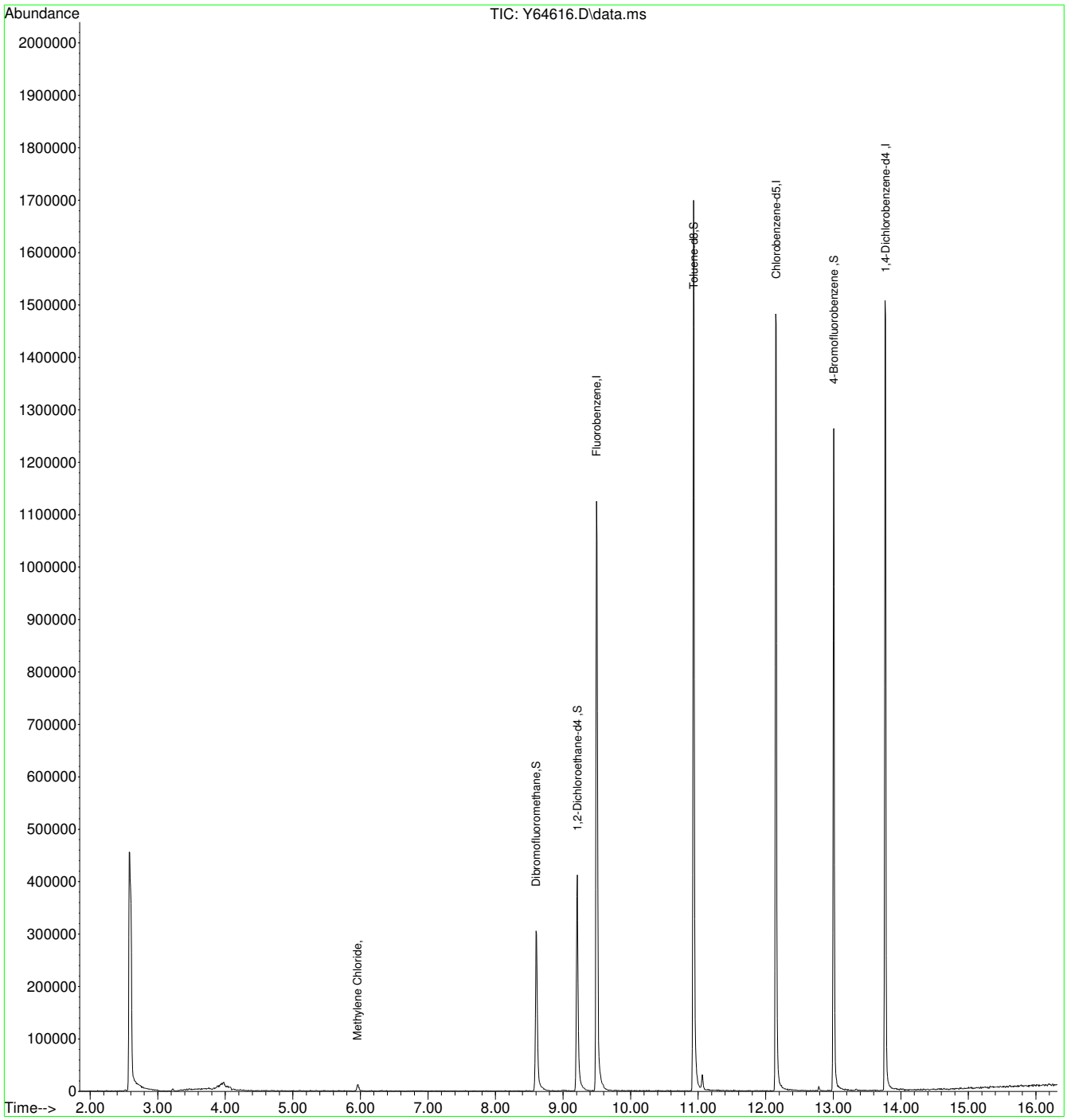
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.496	96	925819	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.154	117	689374	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.773	152	323570	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	190999	47.36	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.72%			
49) 1,2-Dichloroethane-d4	9.210	65	260469	49.76	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.52%			
63) Toluene-d8	10.932	98	894822	50.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.46%			
86) 4-Bromofluorobenzene	13.006	174	266424	50.59	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.18%			
Target Compounds						Qvalue
18) Methylene Chloride	5.955	49	9191	1.21	ug/L	86

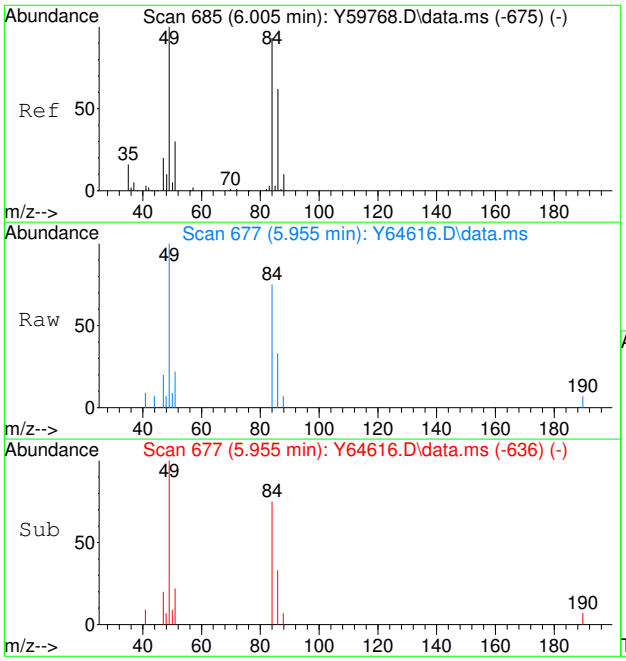
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64616.D
Acq On : 10 Sep 2022 12:37 pm
Operator : adeladl
Sample : MB
Misc : MS52320,VY2680,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 01:43:00 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

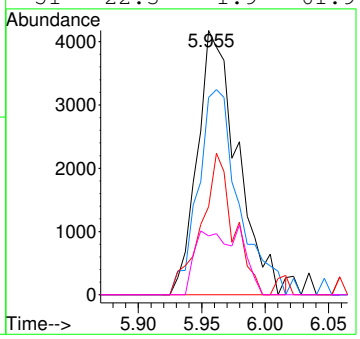




#18
Methylene Chloride
Concen: 1.21 ug/L
RT: 5.955 min Scan# 677
Delta R.T. -0.001 min
Lab File: Y64616.D
Acq: 10 Sep 2022 12:37 pm

Tgt Ion: 49 Resp: 9191

Ion	Ratio	Lower	Upper
49	100		
84	74.6	50.4	110.4
86	33.3	19.4	79.4
51	22.3	1.9	61.9



7.2.1

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751277.d
Acq On : 14 Sep 2022 12:23 pm
Operator : joannel
Sample : MB Inst : MSVOA16
Misc : MS52363,VI2691,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 00:27:09 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

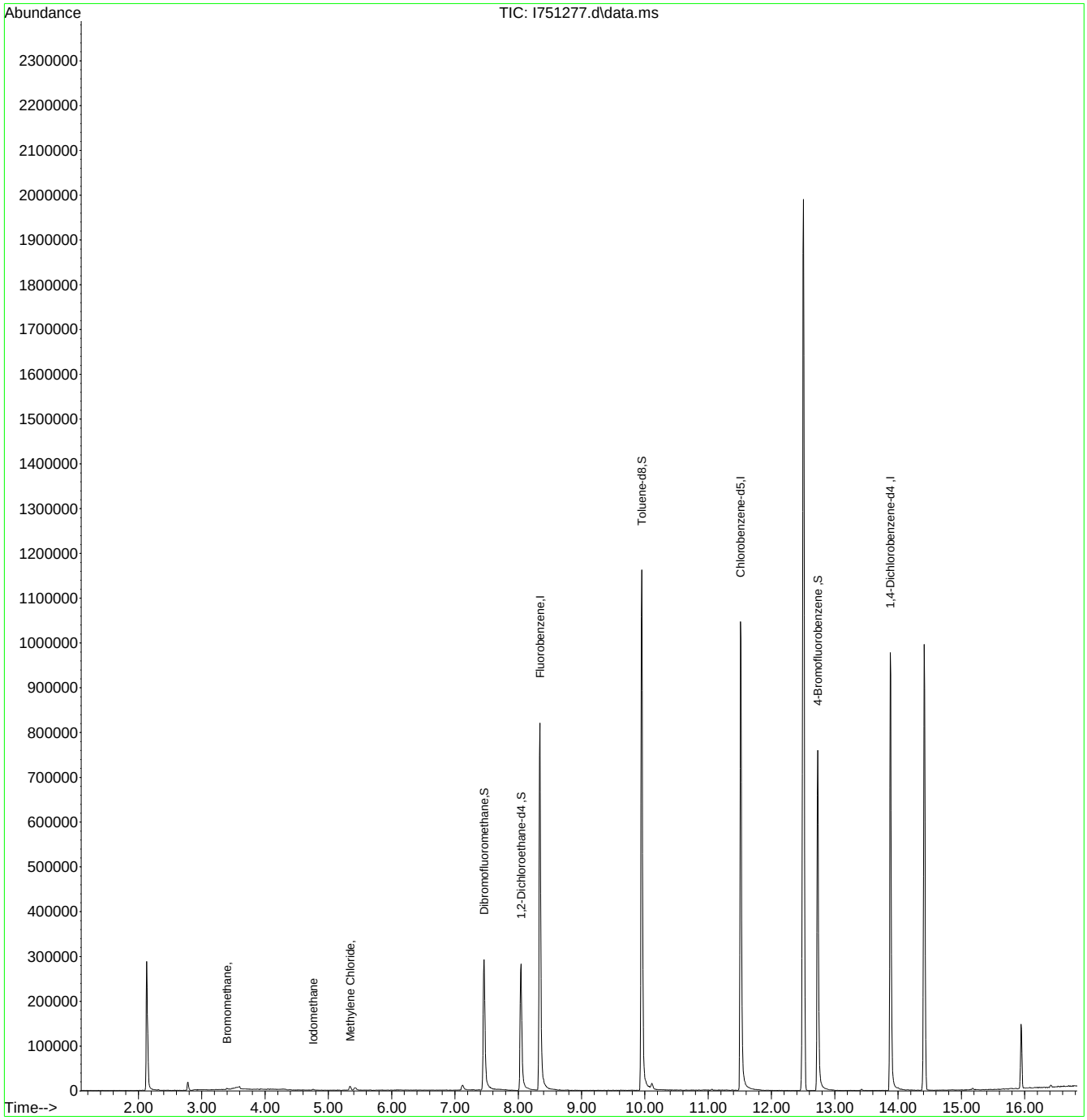
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.342	96	689602	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	550252	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	247574	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.458	113	191202	49.60	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.20%			
49) 1,2-Dichloroethane-d4	8.043	65	210750	49.08	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.16%			
63) Toluene-d8	9.951	98	714122	48.46	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.92%			
86) 4-Bromofluorobenzene	12.731	174	209761	51.14	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.28%			
Target Compounds						Qvalue
6) Bromomethane	3.397	94	2590	1.64	ug/L	83
15) Iodomethane	4.763	142	2561	1.26	ug/L	89
18) Methylene Chloride	5.342	49	6992	1.30	ug/L	96

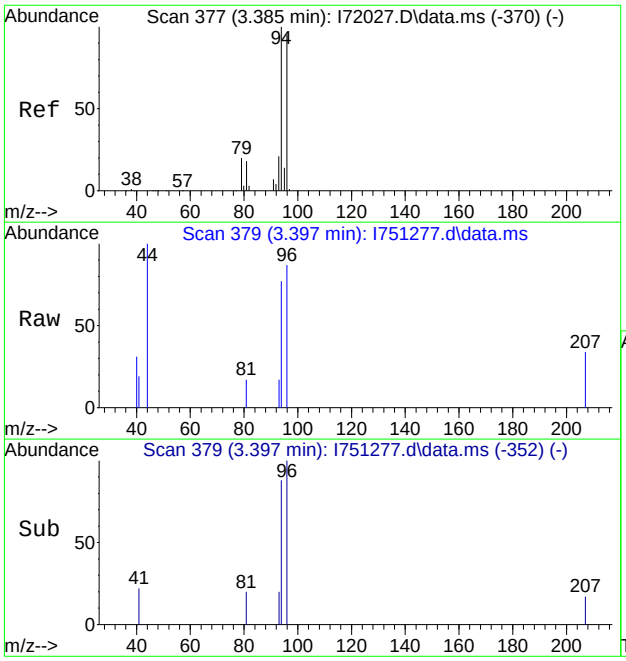
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751277.d
Acq On : 14 Sep 2022 12:23 pm
Operator : joannel
Sample : MB Inst : MSVOA16
Misc : MS52363,VI2691,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 00:27:09 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

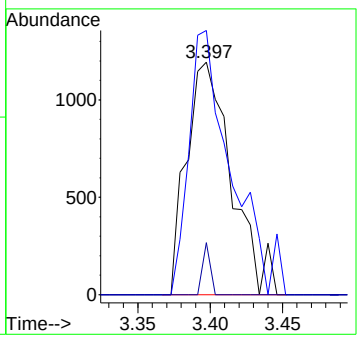


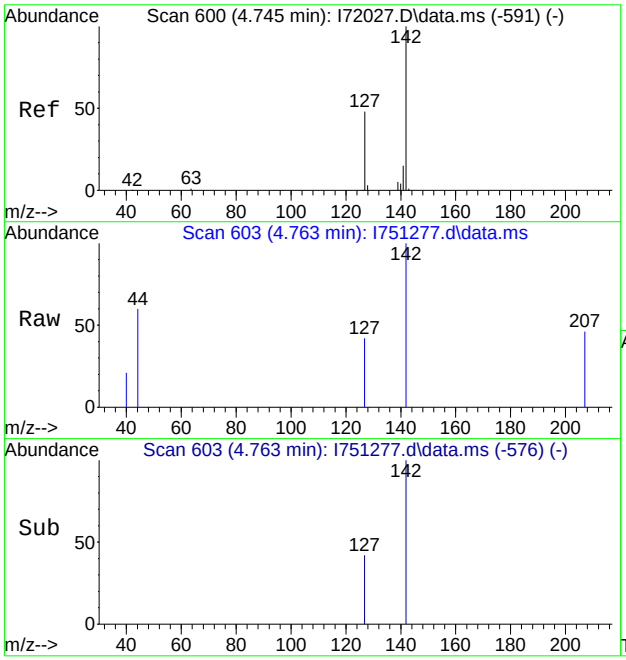


#6
Bromomethane
Concen: 1.64 ug/L
RT: 3.397 min Scan# 379
Delta R.T. 0.012 min
Lab File: I751277.d
Acq: 14 Sep 2022 12:23 pm

Tgt Ion: 94 Resp: 2590

Ion	Ratio	Lower	Upper
94	100		
96	113.7	63.4	123.4
93	22.4	0.0	51.9

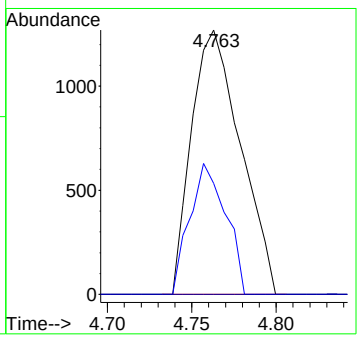


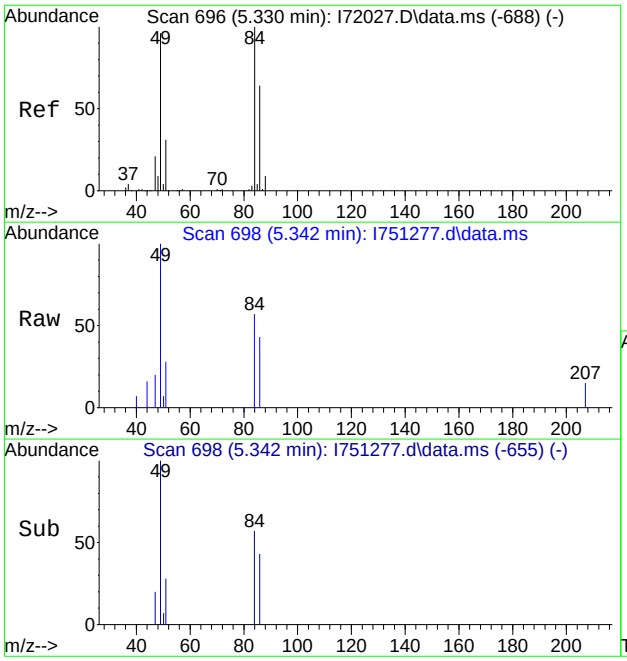


#15
Iodomethane
Concen: 1.26 ug/L
RT: 4.763 min Scan# 603
Delta R.T. 0.012 min
Lab File: I751277.d
Acq: 14 Sep 2022 12:23 pm

Tgt Ion:142 Resp: 2561

Ion	Ratio	Lower	Upper
142	100		
127	42.0	15.4	75.4
141	0.0	0.0	41.9

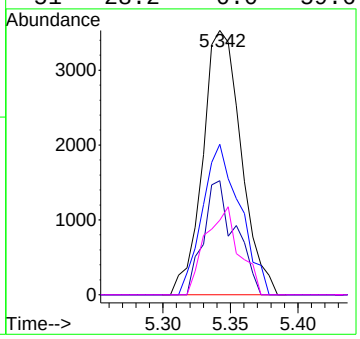




#18
Methylene Chloride
Concen: 1.30 ug/L
RT: 5.342 min Scan# 698
Delta R.T. 0.012 min
Lab File: I751277.d
Acq: 14 Sep 2022 12:23 pm

Tgt Ion: 49 Resp: 6992

Ion	Ratio	Lower	Upper
49	100		
84	56.9	29.6	89.6
86	43.2	10.2	70.2
51	28.2	0.0	59.6



Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Fereira 09/14/22 03:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64613.D
Acq On : 10 Sep 2022 11:23 am
Operator : adeladl
Sample : BS
Misc : MS52320,VY2680,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 20:02:04 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	1080740	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	823976	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	399666	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	235284	49.98	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.96%			
49) 1,2-Dichloroethane-d4	9.205	65	295952	48.44	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.88%			
63) Toluene-d8	10.932	98	1071606	50.83	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.66%			
86) 4-Bromofluorobenzene	13.007	174	331510	50.96	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.92%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.847	85	113915	26.11	ug/L	97
3) Acrolein	5.579	56	147569	113.83	ug/L	97
4) Chloromethane	3.176	50	139241	23.74	ug/L	100
5) 1,3-butadiene	3.340	39	209874	41.64	ug/L	98
6) Vinyl Chloride	3.310	62	151510	25.15	ug/L	92
7) Bromomethane	3.833	94	47865	25.11	ug/L	80
8) Chloroethane	4.028	64	51908	23.43	ug/L	94
9) Trichlorofluoromethane	4.241	101	202814	30.26	ug/L	99
10) Ethyl Ether	4.752	59	113048	21.72	ug/L	95
11) Ethanol	5.007	45	102941m	575.61	ug/L	
12) 1,2-Dichlorotrifluoroe...	5.037	67	152342	24.22	ug/L	97
13) 1,1-Dichloroethene	5.050	61	188424	25.81	ug/L	98
14) Freon 113	5.104	101	129405	26.76	ug/L	93
15) Carbon Disulfide	5.098	76	326478	23.93	ug/L	99
16) Iodomethane	5.275	142	36652	25.64	ug/L	92
17) Allyl chloride	5.786	41	213018	33.32	ug/L	98
18) Methylene Chloride	5.956	49	192164	21.75	ug/L	97
19) Acetone	6.035	43	334309	116.82	ug/L	94
20) Methyl acetate	6.230	43	857223	128.94	ug/L	100
21) trans-1,2-Dichloroethene	6.218	61	179604	25.11	ug/L	96
22) Hexane	6.327	56	113463m	28.42	ug/L	
23) Methyl Tert Butyl Ether	6.382	73	396731	23.29	ug/L	91
24) Tert Butyl Alcohol	6.540	59	429073	243.11	ug/L	98
25) Acetonitrile	6.783	41	348489	262.50	ug/L	97
26) Di-isopropyl ether	6.984	45	426133	23.03	ug/L	96
27) Chloroprene	7.173	53	193949	157.32	ug/L	94
28) 1,1-Dichloroethane	7.215	63	246053	26.05	ug/L	94
29) Acrylonitrile	7.301	53	385231	124.36	ug/L	98
30) ETBE	7.580	59	391271	22.14	ug/L	99
31) Vinyl acetate	7.605	43	1511983	113.84	ug/L	98
32) cis-1,2-Dichloroethene	8.031	96	142249	23.98	ug/L	99
33) 2,2-Dichloropropane	8.164	77	184931	23.66	ug/L	96
34) Bromochloromethane	8.292	128	60809	23.69	ug/L	96
35) Cyclohexane	8.292	56	275810	27.21	ug/L	95
36) Chloroform	8.377	83	228369	24.59	ug/L	94
37) Ethyl acetate	8.511	43	1129055	123.43	ug/L	99
38) Tetrahydrofuran	8.590	42	94193	24.01	ug/L	90
40) Carbon Tetrachloride	8.554	117	162414	25.80	ug/L	95
41) 1,1,1-Trichloroethane	8.633	97	208107	25.56	ug/L	97
42) 2-Butanone	8.748	43	591850	120.56	ug/L	97
43) 1,1-Dichloropropene	8.779	75	193587	25.40	ug/L	99
44) tert-Butyl formate	8.894	59	521047	112.18	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64613.D
Acq On : 10 Sep 2022 11:23 am
Operator : adeladl
Sample : BS
Misc : MS52320,VY2680,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 20:02:04 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) Propionitrile	9.083	54	425919	271.78	ug/L	97
46) Methacrylonitrile	9.101	41	1413043	259.17	ug/L	97
47) Benzene	9.059	78	573005	23.67	ug/L	99
48) TAME	9.168	73	408498	24.41	ug/L	96
50) Isobutyl Alcohol	9.278	42	261555	535.33	ug/L	96
51) 1,2-Dichloroethane	9.284	62	175223	23.92	ug/L	99
52) Tert Amyl Alcohol	9.375	59	387310m	243.39	ug/L	
53) Trichloroethene	9.673	95	148450	25.89	ug/L	96
54) Methylcyclohexane	9.661	83	272283	28.33	ug/L	99
55) Dibromomethane	10.087	93	75528	22.90	ug/L	96
56) 1,2-Dichloropropane	10.172	63	131003	23.09	ug/L	96
57) Bromodichloromethane	10.227	83	151200	24.70	ug/L	97
58) Methyl methacrylate	10.342	41	164578	27.16	ug/L	98
59) 1,4-Dioxane	10.409	88	84474	497.05	ug/L	93
60) 2-Chloroethyl vinyl ether	10.707	63	312433	157.46	ug/L	98
61) cis-1,3-Dichloropropene	10.780	75	201619	24.19	ug/L	98
64) Toluene	10.975	91	619715	23.63	ug/L	98
65) 2-Nitropropane	11.170	41	288078	123.62	ug/L	95
66) 4-Methyl-2-pentanone	11.267	43	1160424	113.92	ug/L	99
67) trans-1,3-Dichloropropene	11.310	75	191099	26.52	ug/L	83
68) Tetrachloroethene	11.303	166	169270	26.05	ug/L	98
69) Ethyl methacrylate	11.401	69	208871	26.33	ug/L	98
70) 1,1,2-Trichloroethane	11.443	83	106891	23.39	ug/L	97
71) Dibromochloromethane	11.589	129	114297	24.62	ug/L	97
72) 1,3-Dichloropropane	11.656	76	216992	22.25	ug/L	98
73) 1,2-Dibromoethane	11.790	107	126288	24.28	ug/L	95
74) 3,3-dimethyl-1-butanol	11.869	57	2659709m	1330.78	ug/L	
75) 2-hexanone	11.900	43	971566	121.30	ug/L	98
76) 1-Chlorohexane	12.113	91	206657	26.90	ug/L	96
77) Ethylbenzene	12.155	91	710954	24.01	ug/L	100
78) Chlorobenzene	12.167	112	382310	23.84	ug/L	87
79) 1,1,1,2-Tetrachloroethane	12.204	131	127423	25.11	ug/L	96
80) m,p-Xylene	12.259	91	1083177	48.88	ug/L	99
81) o-Xylene	12.575	91	518991	24.72	ug/L	98
82) Styrene	12.611	104	388733	26.19	ug/L	98
83) Bromoform	12.666	173	82972	25.22	ug/L	96
84) Isopropylbenzene	12.782	105	629950	25.76	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.031	53	61611	24.41	ug/L	95
88) n-Propylbenzene	13.068	91	722310	25.65	ug/L	99
89) Bromobenzene	13.098	156	143526	23.28	ug/L	95
90) 1,1,2,2-Tetrachloroethane	13.122	83	206512	23.33	ug/L	98
91) 1,3,5-Trimethylbenzene	13.183	105	444295	24.78	ug/L	96
92) 2-Chlorotoluene	13.202	91	452868	24.01	ug/L	98
93) trans-1,4-Dichloro-2-B...	13.238	53	53190	23.40	ug/L	97
94) 1,2,3-Trichloropropane	13.232	110	65566	22.03	ug/L	92
95) Cyclohexanone	13.287	55	71808	112.03	ug/L	98
96) 4-Chlorotoluene	13.311	91	409316	24.29	ug/L	97
97) tert-Butylbenzene	13.414	91	239906	25.83	ug/L	99
98) 1,2,4-Trimethylbenzene	13.457	105	440905	25.07	ug/L	99
99) Pentachloroethane	13.463	167	80098	29.33	ug/L	92
100) sec-Butylbenzene	13.530	105	509067	28.17	ug/L	98
101) 4-Isopropyltoluene	13.609	119	408713	27.64	ug/L	99
102) 1,3-Dichlorobenzene	13.725	146	244395	24.35	ug/L	98
103) 1,2,3-Trimethylbenzene	13.761	105	467205	52.40	ug/L	98
104) 1,4-Dichlorobenzene	13.779	146	255538	23.34	ug/L	97
105) n-Butylbenzene	13.895	92	159047	25.58	ug/L	97
106) Benzyl Chloride	13.932	126	70346	21.94	ug/L	93
107) 1,2-Dichlorobenzene	14.071	146	243162	23.98	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64613.D
Acq On : 10 Sep 2022 11:23 am
Operator : adeladl
Sample : BS
Misc : MS52320,VY2680,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 20:02:04 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

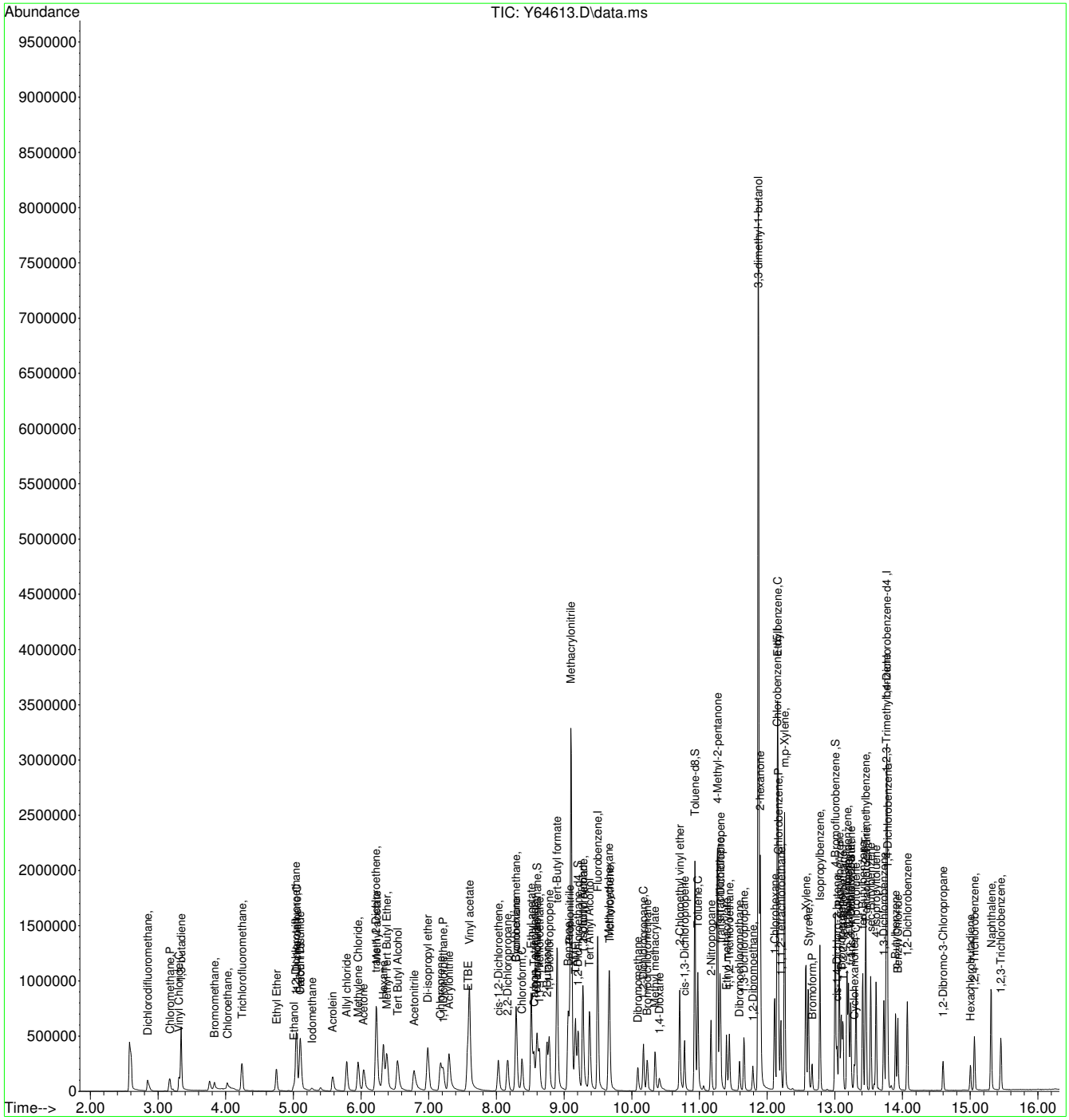
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.601	75	46489	23.26	ug/L	89
109) Hexachlorobutadiene	15.002	225	31936	27.00	ug/L	86
110) 1,2,4-Trichlorobenzene	15.063	180	119582	24.69	ug/L	93
111) Naphthalene	15.312	128	611853	25.05	ug/L	99
112) 1,2,3-Trichlorobenzene	15.452	180	122025	25.53	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64613.D
Acq On : 10 Sep 2022 11:23 am
Operator : adeladl
Sample : BS
Misc : MS52320,VY2680,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 20:02:04 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



Manual Integration Approval Summary

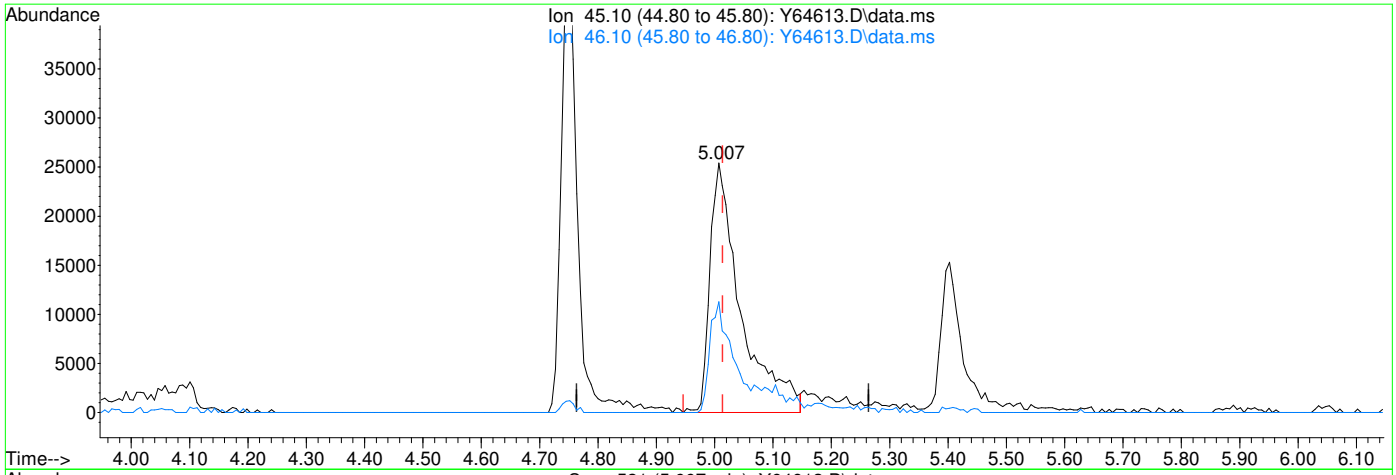
Sample Number: VY2680-BS
Lab FileID: Y64613.D
Injection Time: 09/10/22 11:23
Method: SW846 8260D
Analyst approved: 09/12/22 20:28 John Matthew de Guzman
Supervisor approved: 09/14/22 03:47 Jennifer Fereira

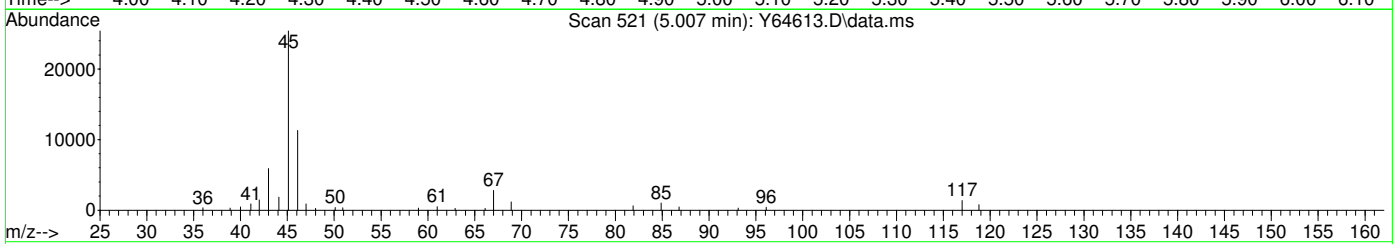
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

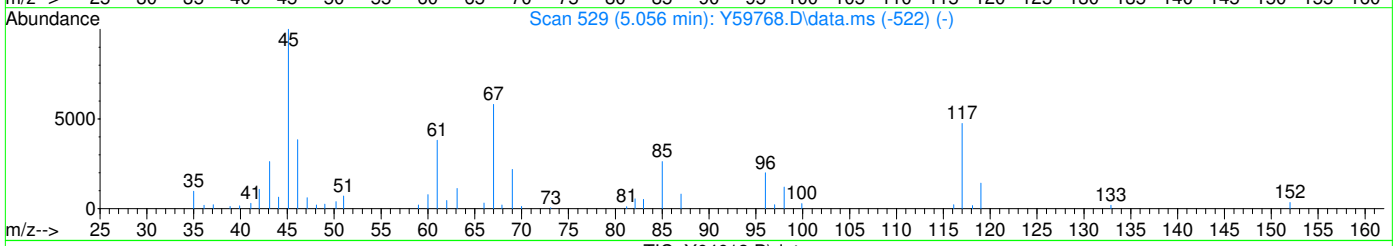
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64613.D
Acq On : 10 Sep 2022 11:23 am
Operator : adeladl
Sample : BS
Misc : MS52320,VY2680,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 19:59:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64613.D\data.ms

(11) Ethanol

5.007min (-0.007) 523.47ug/L

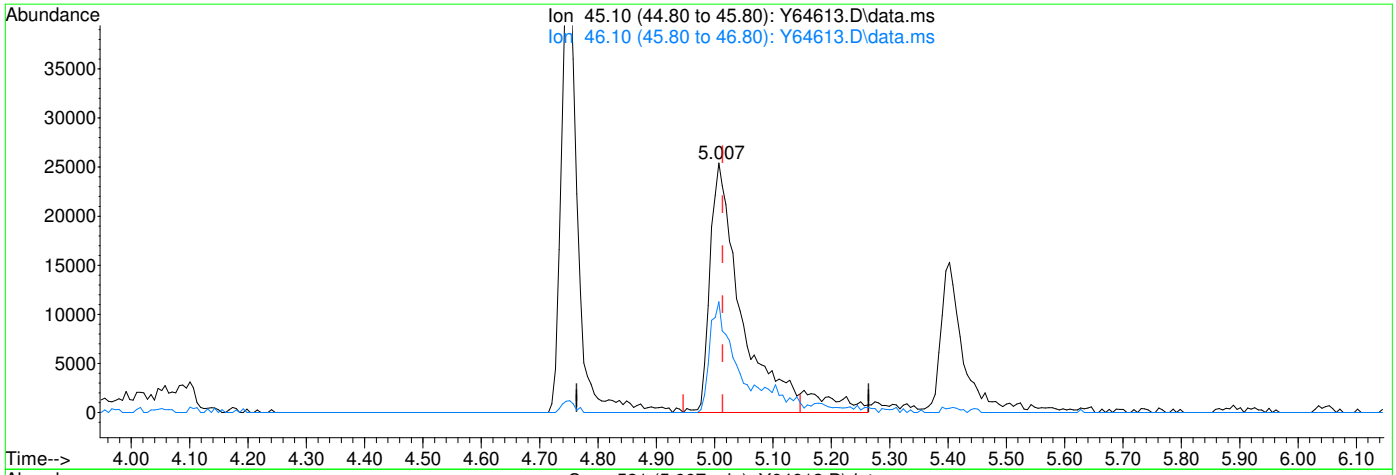
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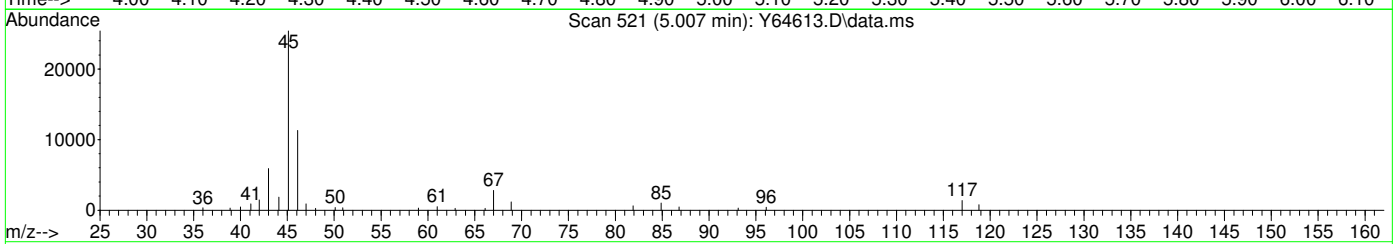
Ion	Exp%	Act%
45.10	100	100
46.10	40.10	44.40
0.00	0.00	0.00
0.00	0.00	0.00

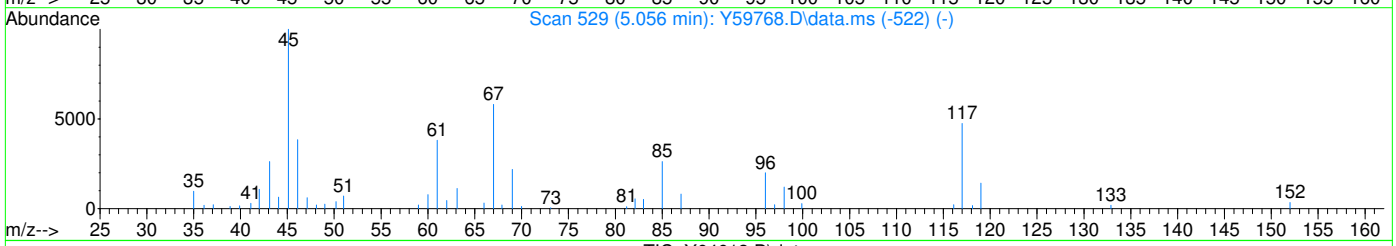
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64613.D
Acq On : 10 Sep 2022 11:23 am
Operator : adeladl
Sample : BS
Misc : MS52320,VY2680,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 19:59:14 2022
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64613.D\data.ms

(11) Ethanol

5.007min (-0.007) 575.61ug/L m

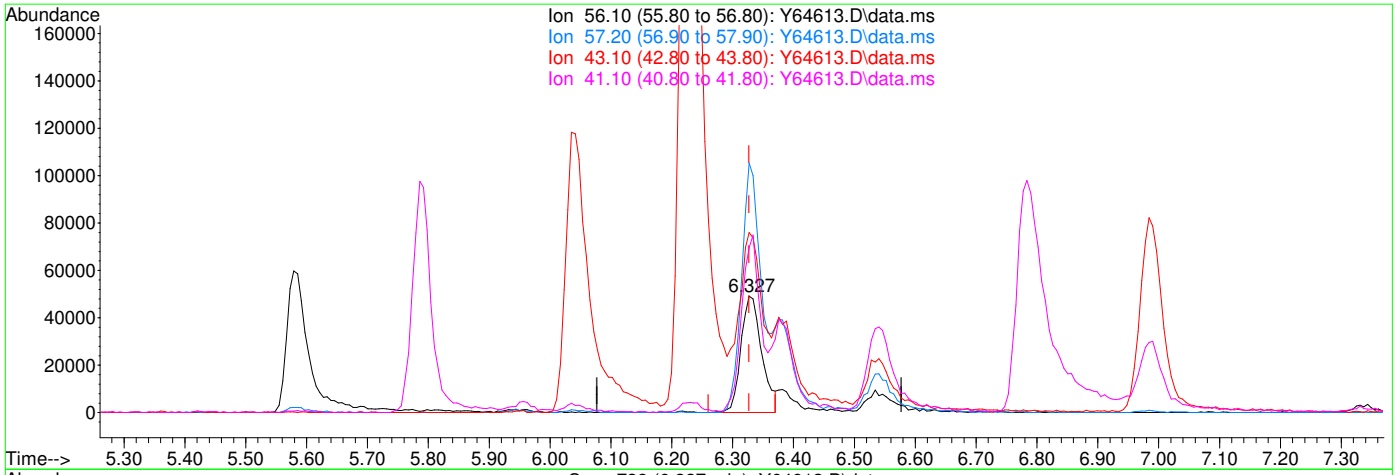
response 102941

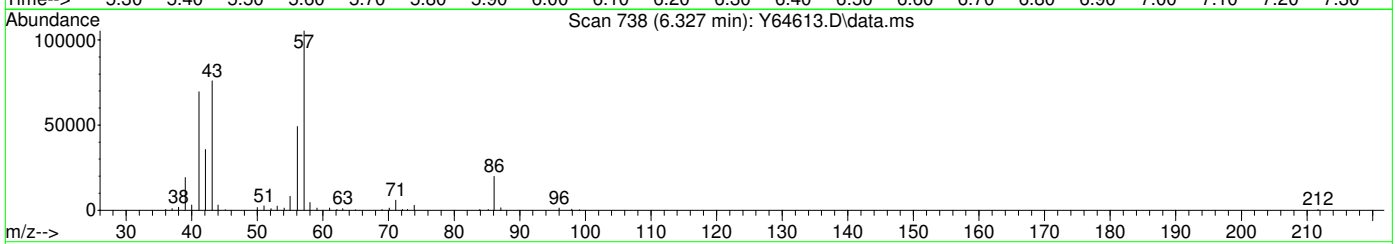
Ion	Exp%	Act%
45.10	100	100
46.10	40.10	44.40
0.00	0.00	0.00
0.00	0.00	0.00

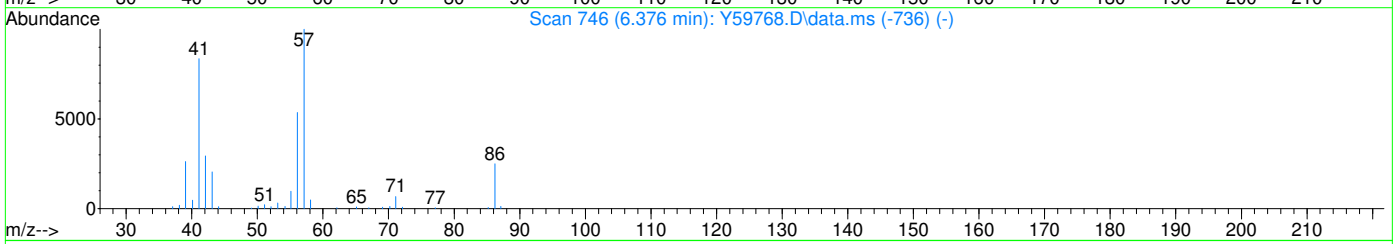
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64613.D
Acq On : 10 Sep 2022 11:23 am
Operator : adeladl
Sample : BS
Misc : MS52320,VY2680,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 19:59:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64613.D\data.ms

(22) Hexane

6.327min (+0.000) 29.26ug/L

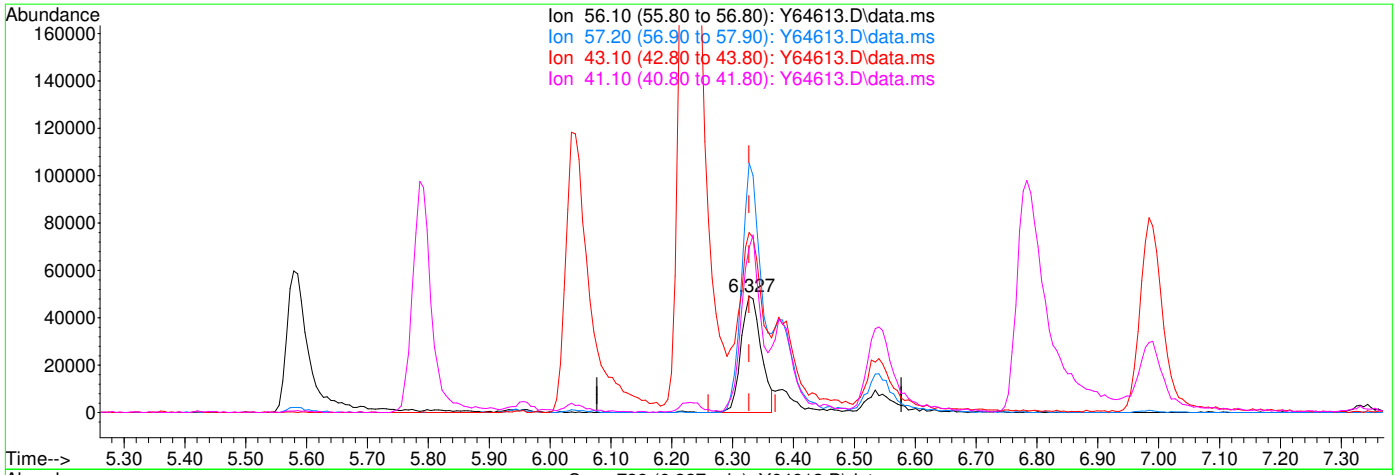
response 116774

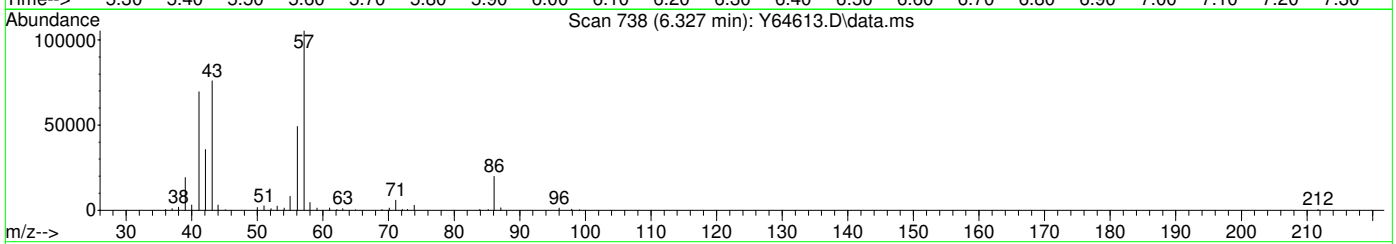
Ion	Exp%	Act%
56.10	100	100
57.20	206.50	214.53
43.10	82.60	81.32
41.10	140.00	138.88

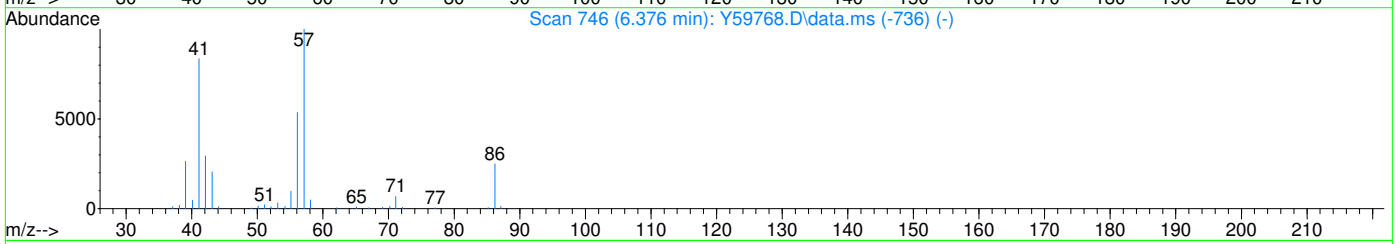
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64613.D
Acq On : 10 Sep 2022 11:23 am
Operator : adeladl
Sample : BS
Misc : MS52320,VY2680,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 19:59:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64613.D\data.ms

(22) Hexane

6.327min (+0.000) 28.42ug/L m

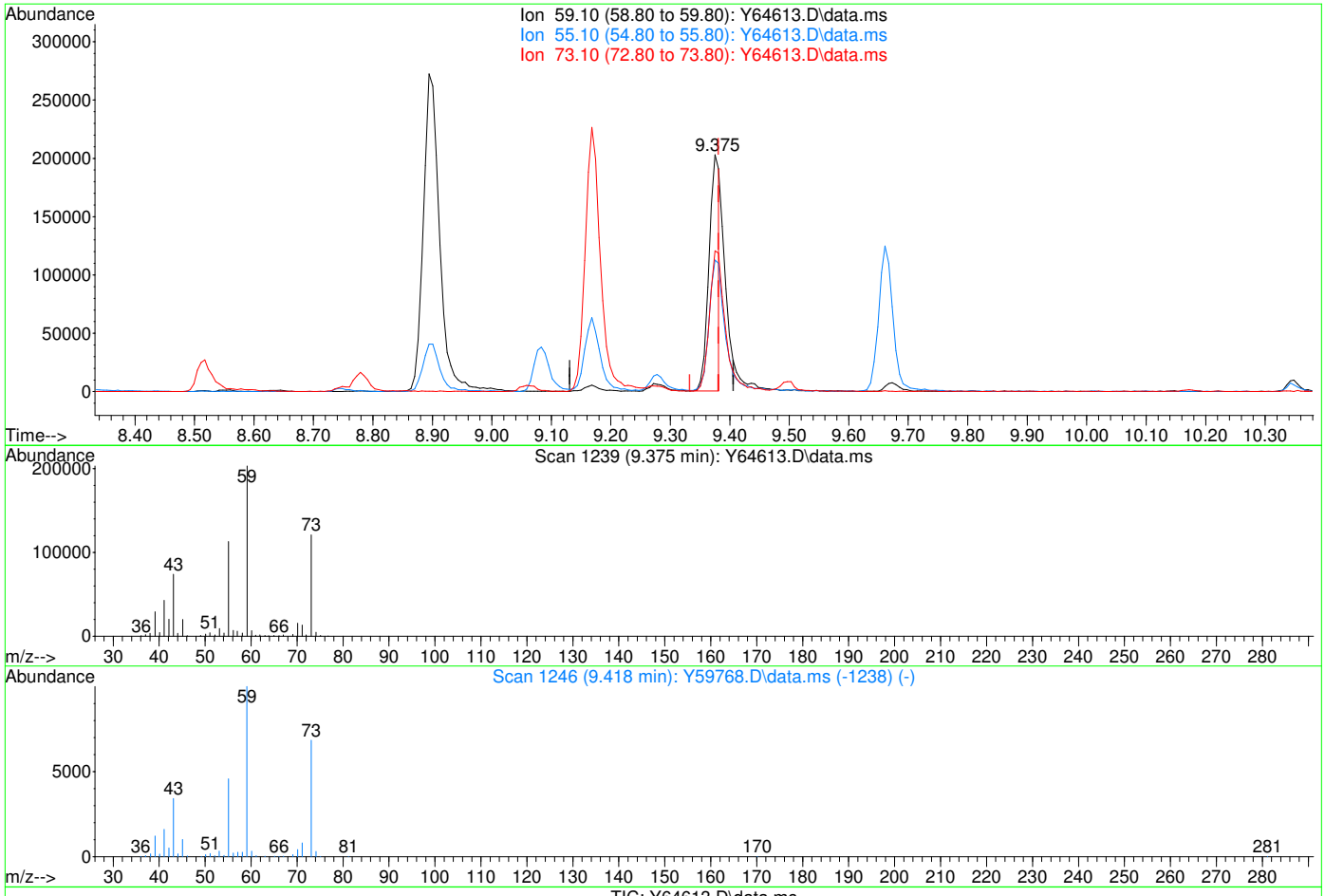
response 113463

Ion	Exp%	Act%
56.10	100	100
57.20	206.50	214.53
43.10	82.60	154.64#
41.10	140.00	141.63

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64613.D
Acq On : 10 Sep 2022 11:23 am
Operator : adeladl
Sample : BS
Misc : MS52320,VY2680,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 19:59:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



TIC: Y64613.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.006) 161.36ug/L

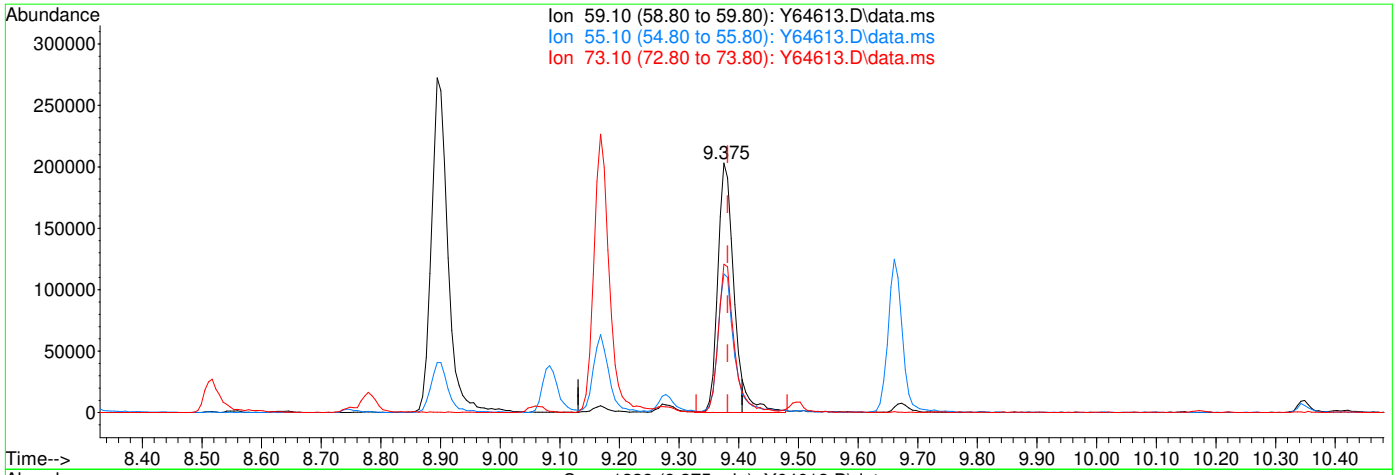
response 248636

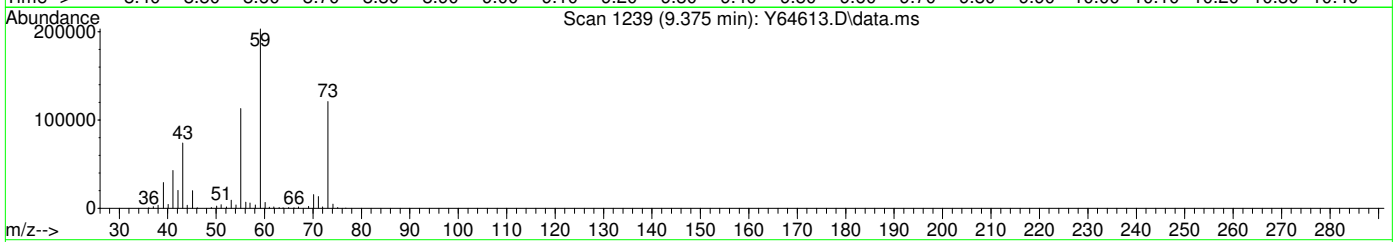
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	55.09
73.10	57.50	59.25
0.00	0.00	0.00

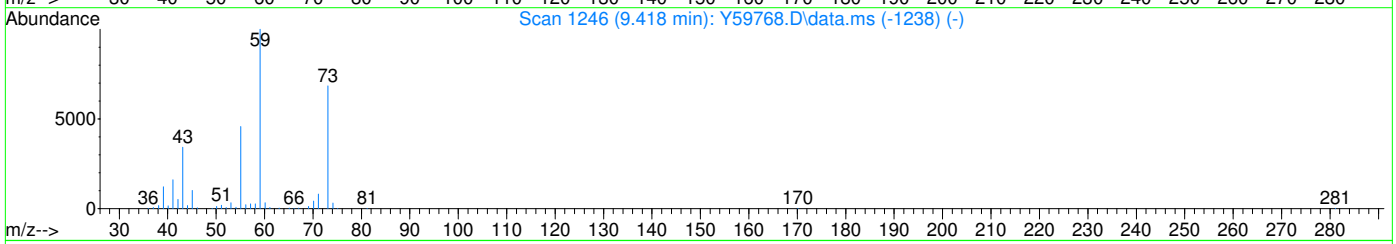
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64613.D
Acq On : 10 Sep 2022 11:23 am
Operator : adeladl
Sample : BS
Misc : MS52320,VY2680,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 19:59:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64613.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.006) 243.39ug/L m

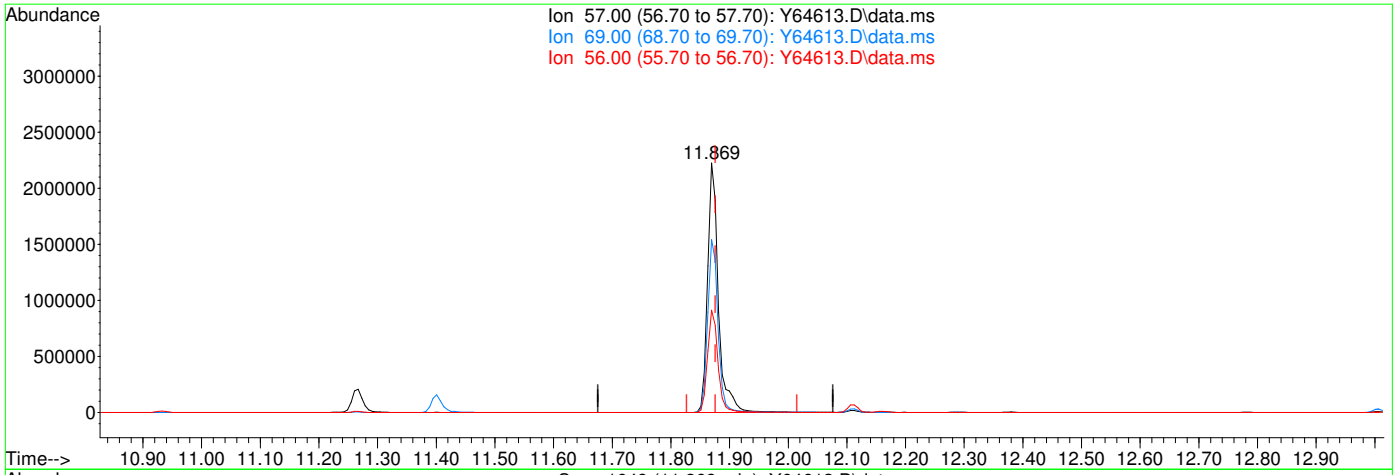
response 387310

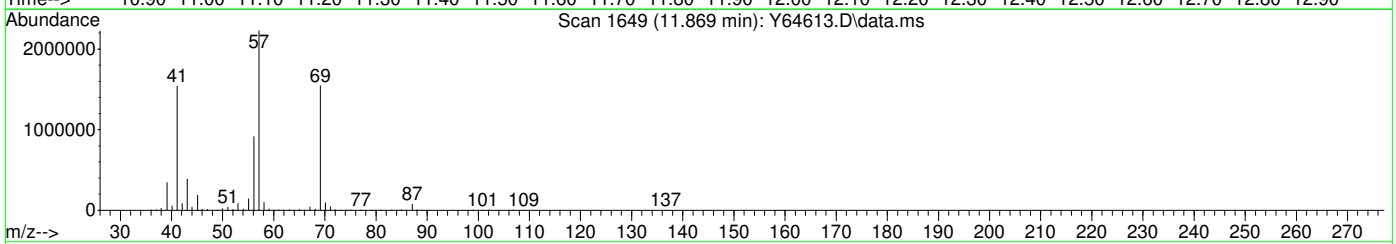
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	55.48
73.10	57.50	59.46
0.00	0.00	0.00

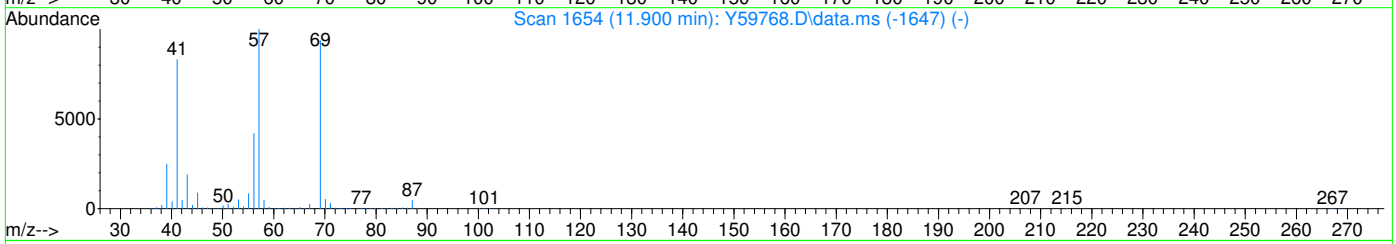
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64613.D
Acq On : 10 Sep 2022 11:23 am
Operator : adeladl
Sample : BS
Misc : MS52320,VY2680,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 19:59:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64613.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (-0.007) 1413.43ug/L

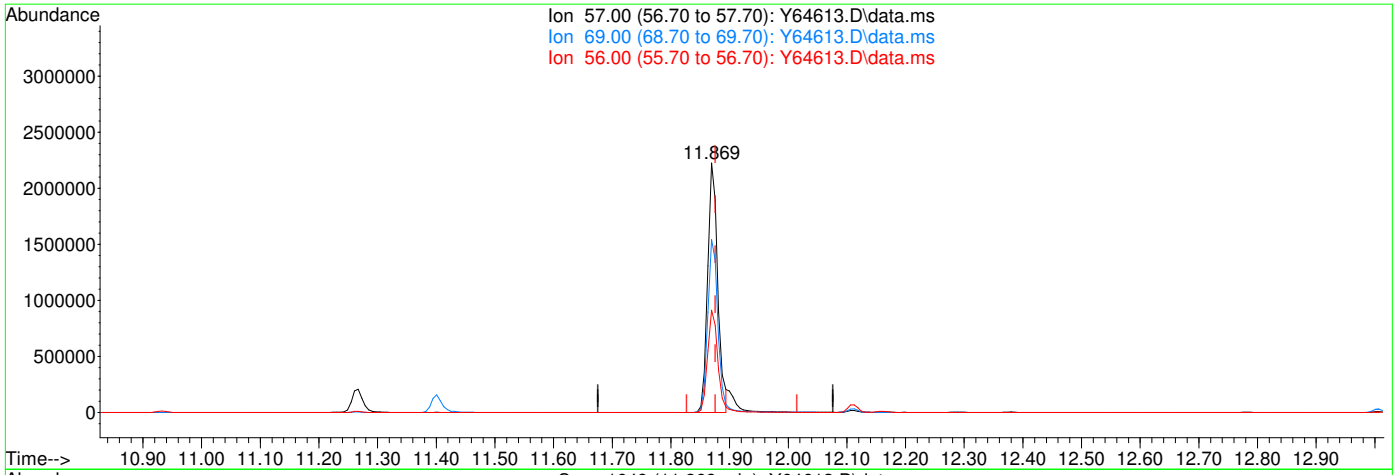
response 2872676

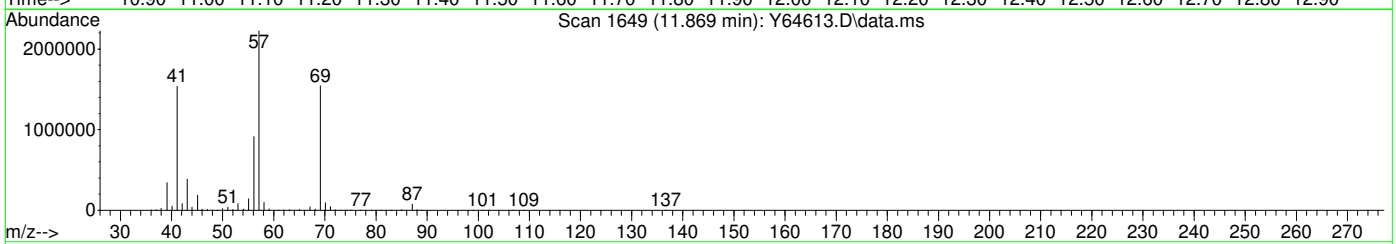
Ion	Exp%	Act%
57.00	100	100
69.00	71.90	69.30
56.00	40.00	41.02
0.00	0.00	0.00

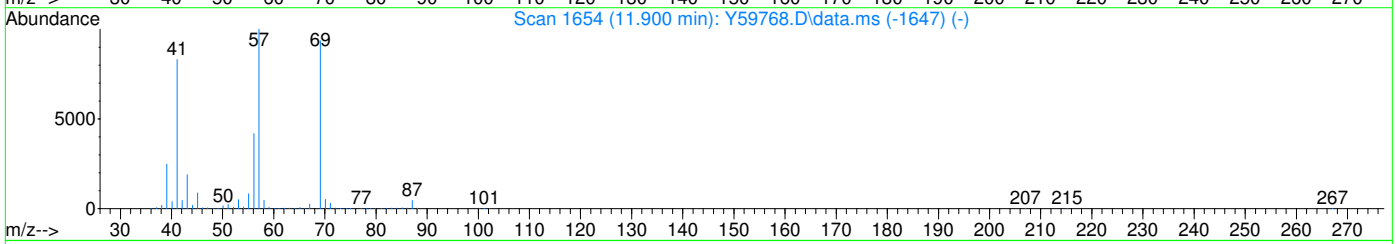
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64613.D
Acq On : 10 Sep 2022 11:23 am
Operator : adeladl
Sample : BS
Misc : MS52320,VY2680,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 19:59:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64613.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (-0.007) 1330.78ug/L m

response 2659709

Ion	Exp%	Act%
57.00	100	100
69.00	71.90	69.30
56.00	40.00	41.02
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Fereira 09/16/22 02:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-14\
Data File : I751275.D
Acq On : 14 Sep 2022 11:35 am
Operator : joannel
Sample : BS
Misc : MS52329,VI2691,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 12:01:48 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.341	96	738594	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	577606	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	299228	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.451	113	208136	50.41	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.82%			
49) 1,2-Dichloroethane-d4	8.037	65	223035	48.49	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.98%			
63) Toluene-d8	9.951	98	775260	50.12	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.24%			
86) 4-Bromofluorobenzene	12.731	174	243072	49.03	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.06%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.391	85	71417	22.45	ug/L	100
3) Chloromethane	2.715	50	81459	20.81	ug/L	97
4) Vinyl Chloride	2.861	62	79888	20.89	ug/L	97
5) 1,3-Butadiene	2.897	39	96345	30.18	ug/L	95
6) Bromomethane	3.391	94	40439	24.78	ug/L	99
7) Chloroethane	3.586	64	50753	28.07	ug/L	98
8) Trichlorofluoromethane	3.806	101	129903	28.83	ug/L	98
9) Ethyl Ether	4.306	59	70791	21.41	ug/L	96
10) 1,2-Dichlorotrifluoroe...	4.556	67	101984	24.95	ug/L	95
11) 1,1-Dichloroethene	4.562	61	138487	27.26	ug/L	97
12) Ethanol	4.543	45	84664	420.60	ug/L	88
13) Freon 113	4.623	101	81652	25.70	ug/L	97
14) Carbon Disulfide	4.604	76	217573	24.57	ug/L	99
15) Iodomethane	4.757	142	62470	27.15	ug/L	97
16) Acrolein	5.013	56	142985	106.41	ug/L	95
17) Allyl chloride	5.202	41	122685	28.83	ug/L	98
18) Methylene Chloride	5.336	49	135984	23.54	ug/L	98
19) Acetone	5.397	43	326921	110.41	ug/L	99
20) Methyl acetate	5.555	43	714985	128.51	ug/L	99
21) trans-1,2-Dichloroethene	5.555	61	125822	26.18	ug/L	96
22) Hexane	5.659	56	65160m	28.94	ug/L	
23) Methyl Tert Butyl Ether	5.690	73	219034	23.19	ug/L	99
24) Tert butyl alcohol	5.812	59	449366	214.40	ug/L	98
25) Acetonitrile	5.964	41	265859	209.11	ug/L	97
26) Di-isopropyl ether	6.153	45	280146	24.15	ug/L	96
27) Chloroprene	6.281	53	122744	139.58	ug/L	95
28) 1,1-Dichloroethane	6.299	63	159770	26.55	ug/L	96
29) Acrylonitrile	6.342	53	324939	123.37	ug/L	99
30) ETBE	6.586	59	258350	23.00	ug/L	95
31) Vinyl acetate	6.586	43	889968	121.55	ug/L	99
32) cis-1,2-Dichloroethene	6.952	96	76248	24.16	ug/L	98
33) 2,2-Dichloropropane	7.067	77	119938	24.62	ug/L	99
34) Bromochloromethane	7.183	128	34318	24.73	ug/L	95
35) Cyclohexane	7.201	56	158076	27.81	ug/L	97
36) Chloroform	7.250	83	138678	24.18	ug/L	99
37) Ethyl acetate	7.360	43	840188	123.28	ug/L	99
38) Tetrahydrofuran	7.445	42	81429	22.84	ug/L	92
40) Carbon Tetrachloride	7.433	117	115586	27.28	ug/L	98
41) 1,1,1-Trichloroethane	7.494	97	129530	25.93	ug/L	98
42) 2-Butanone	7.573	43	540925	124.46	ug/L	99
43) 1,1-Dichloropropene	7.634	75	109390	26.50	ug/L	96
44) tert-Butyl Formate	7.732	59	374108	103.60	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-14\
Data File : I751275.D
Acq On : 14 Sep 2022 11:35 am
Operator : joannel
Sample : BS
Misc : MS52329,VI2691,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 12:01:48 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	7.890	54	333523	217.73	ug/L		98
46) Methacrylonitrile	7.915	41	896559	217.80	ug/L		99
47) Benzene	7.903	78	301980	25.00	ug/L		98
48) TAME	8.012	73	220683	24.45	ug/L		97
50) Isobutyl alcohol	8.092	42	201481	435.49	ug/L		98
51) 1,2-Dichloroethane	8.116	62	113585	24.25	ug/L		100
52) Tert Amyl Alcohol	8.195	59	386790	218.94	ug/L		99
53) Trichloroethene	8.531	95	82584	26.27	ug/L		96
54) Methylcyclohexane	8.537	83	123066	28.55	ug/L		96
55) Dibromomethane	8.976	93	50060	25.25	ug/L		90
56) 1,2-Dichloropropane	9.061	63	81506	23.65	ug/L		98
57) Bromodichloromethane	9.122	83	103393	25.56	ug/L		99
58) Methyl methacrylate	9.250	41	92348	22.75	ug/L		97
59) 1,4-Dioxane	9.317	88	58415	474.37	ug/L		97
60) 2-Chloroethyl vinyl ether	9.664	63	330351	122.50	ug/L		100
61) cis-1,3-Dichloropropene	9.756	75	120001	24.87	ug/L		98
64) Toluene	10.006	91	316514	24.47	ug/L		98
65) 2-Nitropropane	10.201	41	243336	120.40	ug/L		98
66) 4-Methyl-2-pentanone	10.335	43	910707	122.65	ug/L		99
67) trans-1,3-Dichloropropene	10.402	75	108271	26.38	ug/L		90
68) Tetrachloroethene	10.414	166	90775	26.29	ug/L		98
69) Ethyl methacrylate	10.524	69	96829	22.57	ug/L		94
70) 1,1,2-Trichloroethane	10.567	83	62512	25.42	ug/L		98
71) Dibromochloromethane	10.768	129	79907	24.21	ug/L		98
72) 1,3-Dichloropropane	10.847	76	110995	21.80	ug/L		96
73) 1,2-Dibromoethane	11.024	107	75274	23.77	ug/L		99
74) 3,3-dimethyl-1-butanol	11.121	57	1823263m	1039.57	ug/L		
75) 2-hexanone	11.164	43	772792	120.14	ug/L		99
76) 1-Chlorohexane	11.475	91	101758	26.86	ug/L		93
77) Ethylbenzene	11.536	91	353152	24.71	ug/L		99
78) Chlorobenzene	11.530	112	199551	24.75	ug/L		98
79) 1,1,1,2-Tetrachloroethane	11.585	131	74916	24.86	ug/L		97
80) m,p-Xylene	11.676	91	535626	50.17	ug/L		99
81) o-Xylene	12.115	91	262927	24.53	ug/L		99
82) Styrene	12.164	104	186949	24.88	ug/L		99
83) Bromoform	12.219	173	61796	25.30	ug/L		98
84) Isopropylbenzene	12.420	105	334514	26.11	ug/L		99
87) cis-1,4-Dichloro-2-butene	12.767	53	43522	20.48	ug/L		97
88) n-Propylbenzene	12.841	91	393771	25.29	ug/L		98
89) Bromobenzene	12.859	156	80070	23.10	ug/L		88
90) 1,1,2,2-Tetrachloroethane	12.896	83	125890	23.74	ug/L		98
91) 1,3,5-Trimethylbenzene	13.024	105	266731	24.92	ug/L		99
92) 2-Chlorotoluene	13.024	91	261417	24.82	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.078	53	41751	21.58	ug/L		92
94) 1,2,3-Trichloropropane	13.054	110	37274	21.90	ug/L		96
95) Cyclohexanone	13.115	55	68022	110.92	ug/L		97
96) 4-Chlorotoluene	13.194	91	227976	24.56	ug/L		100
97) tert-Butylbenzene	13.359	91	149511	26.22	ug/L		95
98) 1,2,4-Trimethylbenzene	13.432	105	260062	24.99	ug/L		99
99) Pentachloroethane	13.414	167	48468	24.05	ug/L		97
100) sec-Butylbenzene	13.548	105	324845	26.97	ug/L		99
101) 4-Isopropyltoluene	13.682	119	279709	27.31	ug/L		99
102) 1,3-Dichlorobenzene	13.810	146	146961	24.75	ug/L		97
103) 1,2,3-Trimethylbenzene	13.895	105	277863	50.83	ug/L		98
104) 1,4-Dichlorobenzene	13.895	146	155673	23.89	ug/L		97
105) n-Butylbenzene	14.121	92	145327	25.86	ug/L		92
106) Benzyl Chloride	14.133	126	38850	23.04	ug/L	#	81
107) 1,2-Dichlorobenzene	14.334	146	141082	24.47	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-14\
Data File : I751275.D
Acq On : 14 Sep 2022 11:35 am
Operator : joannel
Sample : BS
Misc : MS52329,VI2691,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 12:01:48 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

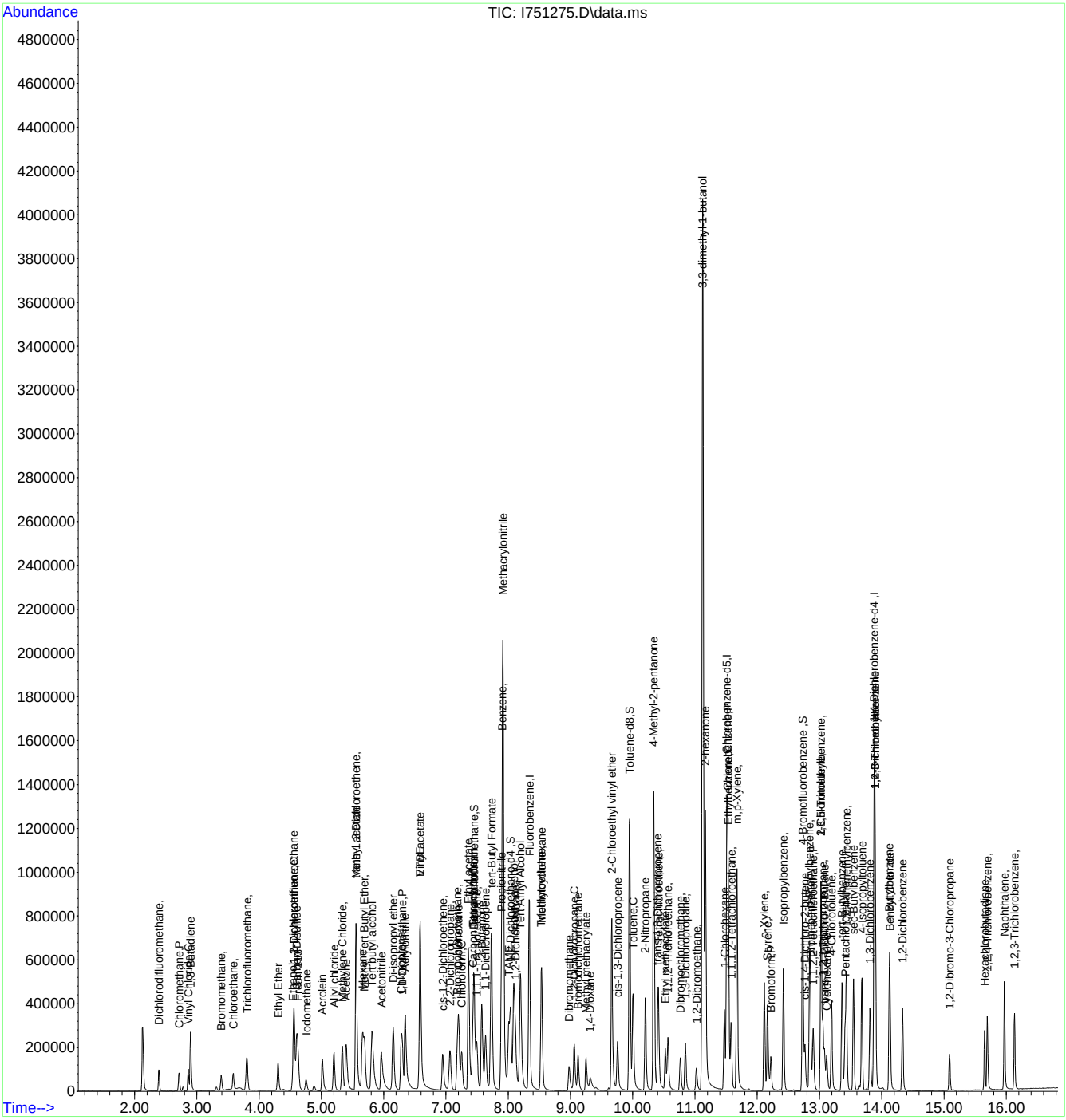
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	36098	23.09	ug/L	93
109) Hexachlorobutadiene	15.651	225	39967	28.74	ug/L	98
110) 1,2,4-Trichlorobenzene	15.694	180	88516	25.73	ug/L	94
111) Naphthalene	15.968	128	309136	24.60	ug/L	99
112) 1,2,3-Trichlorobenzene	16.133	180	86913	24.60	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-14\
Data File : I751275.D
Acq On : 14 Sep 2022 11:35 am
Operator : joannel
Sample : BS
Misc : MS52329,VI2691,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 12:01:48 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration



Manual Integration Approval Summary

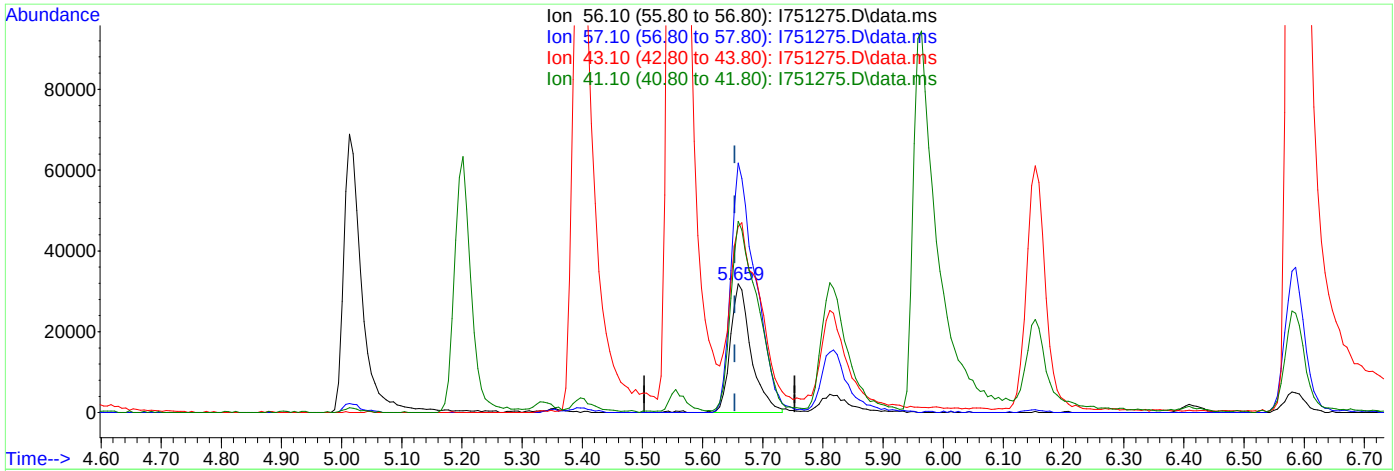
Sample Number: VI2691-BS
Lab FileID: I751275.D
Injection Time: 09/14/22 11:35
Method: SW846 8260D
Analyst approved: 09/14/22 12:04 Jo-Ann Lugo De Jesus
Supervisor approved: 09/16/22 02:49 Jennifer Fereira

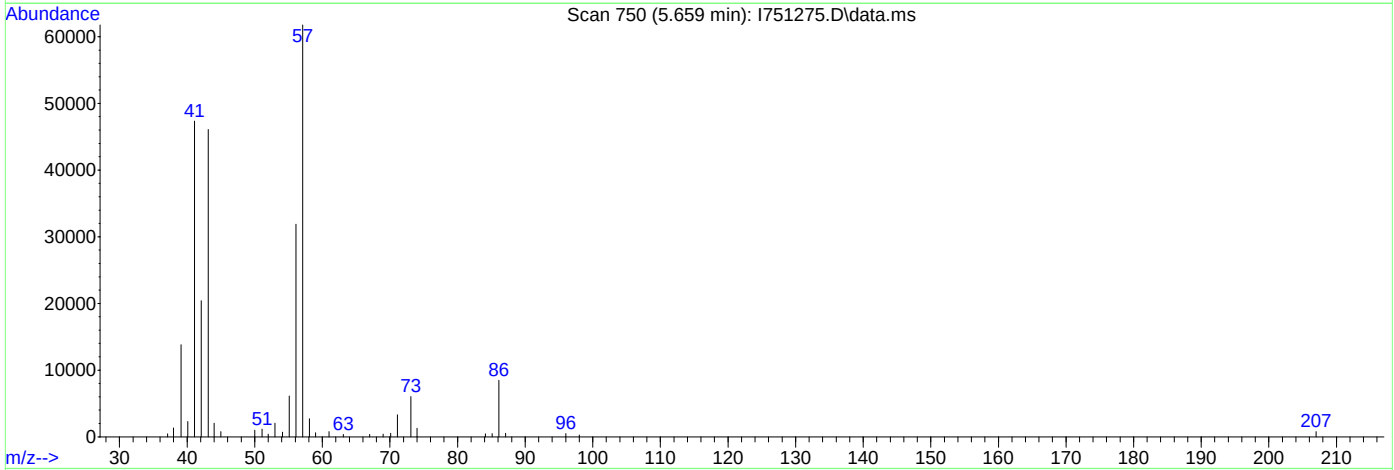
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.66	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.12	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-14\
Data File : I751275.D
Acq On : 14 Sep 2022 11:35 am
Operator : joannel
Sample : BS
Misc : MS52329,VI2691,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 12:01:29 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration





TIC: I751275.D\data.ms

(22) Hexane

5.659min (+0.006) 34.01ug/L

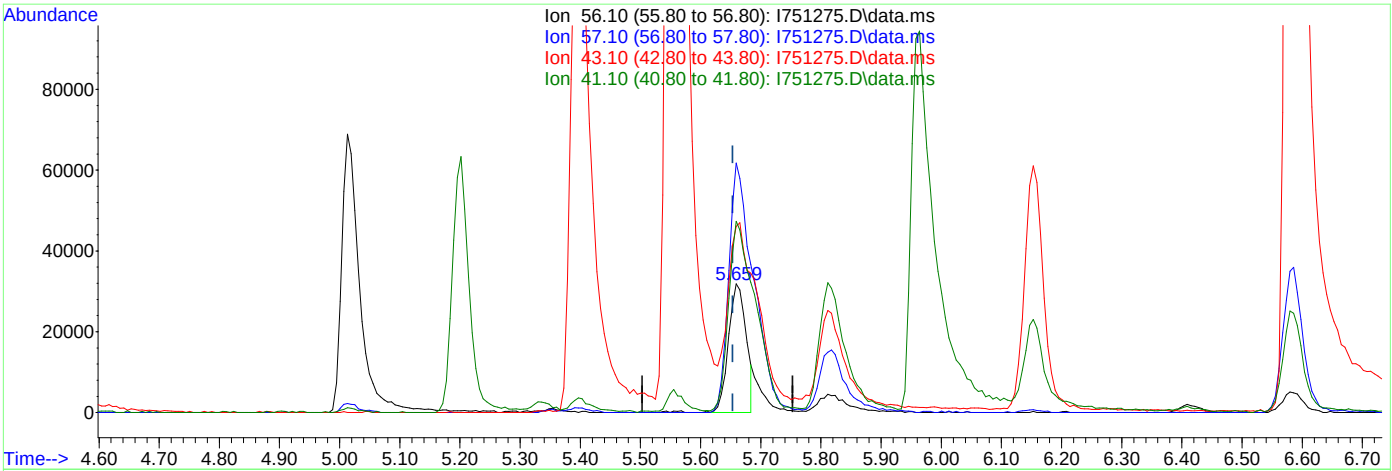
response 76583

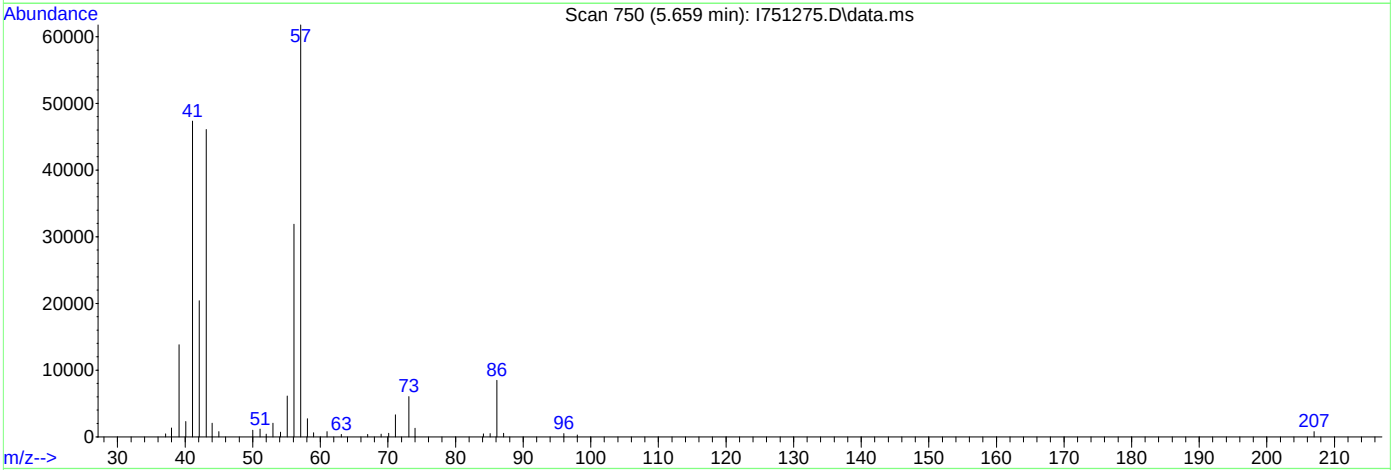
Ion	Exp%	Act%
56.10	100	100
57.10	194.30	193.85
43.10	141.80	128.41
41.10	145.50	146.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-14\
Data File : I751275.D
Acq On : 14 Sep 2022 11:35 am
Operator : joannel
Sample : BS
Misc : MS52329,VI2691,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 12:01:29 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration





TIC: I751275.D\data.ms

(22) Hexane

5.659min (+0.006) 28.94ug/L m

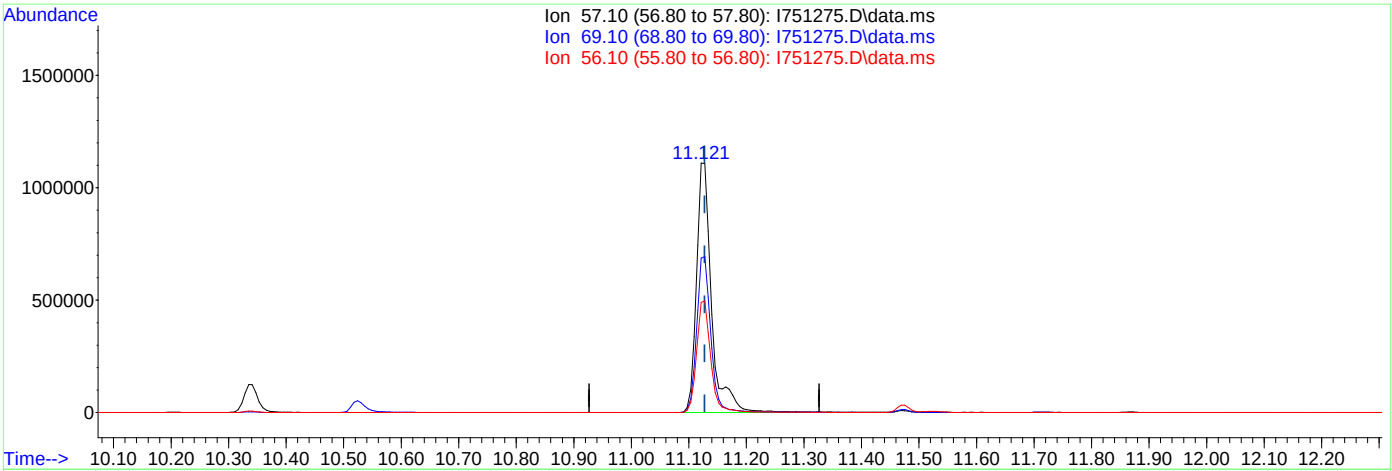
response 65160

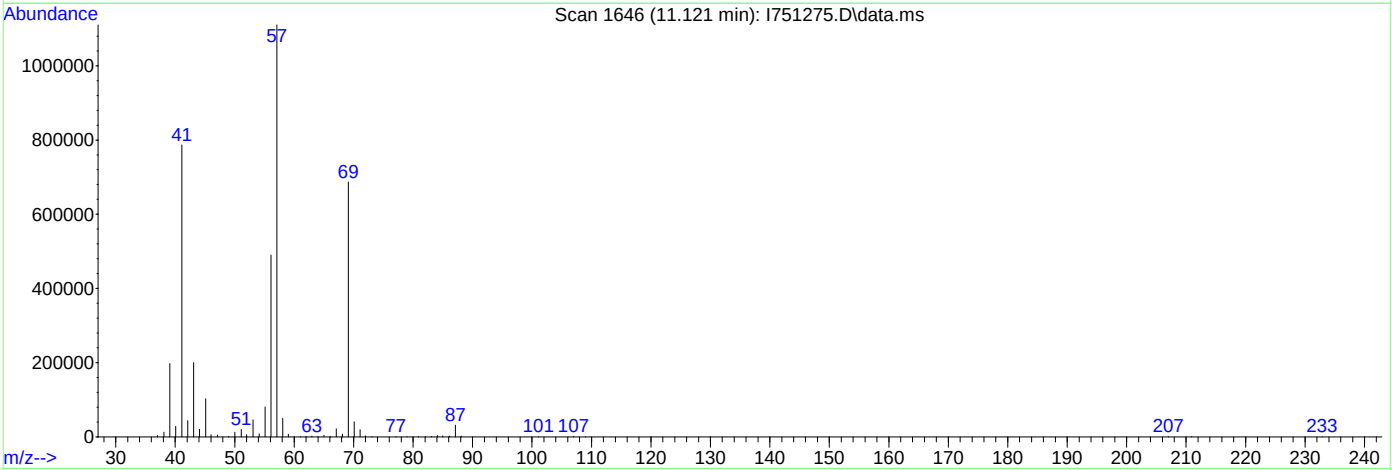
Ion	Exp%	Act%
56.10	100	100
57.10	194.30	193.85
43.10	141.80	144.58
41.10	145.50	148.52

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-14\
Data File : I751275.D
Acq On : 14 Sep 2022 11:35 am
Operator : joannel
Sample : BS
Misc : MS52329,VI2691,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 12:01:29 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration





TIC: I751275.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.121min (-0.006) 1163.89ug/L

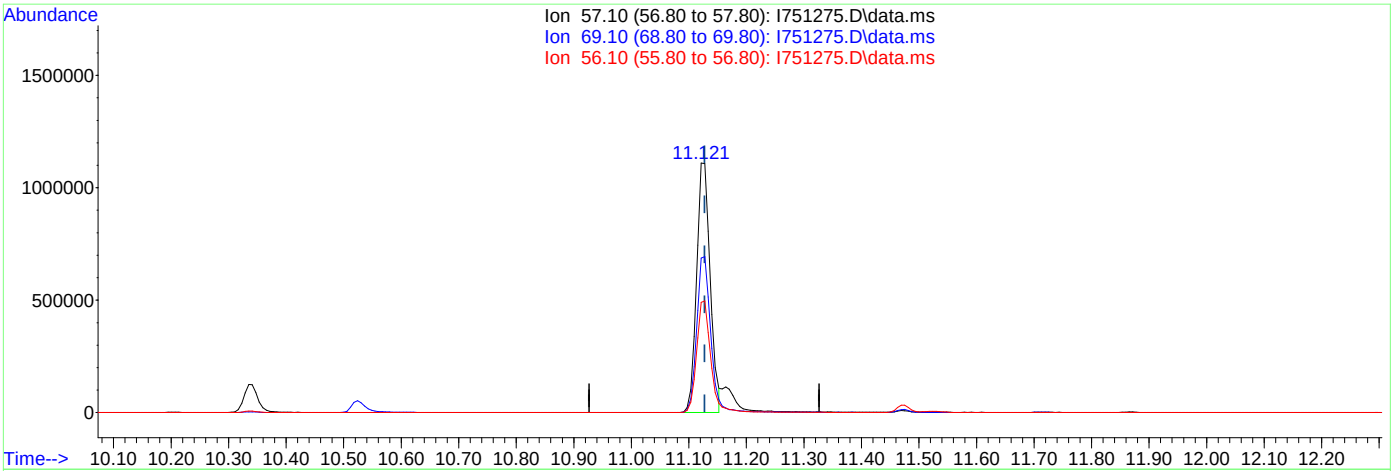
response 2041957

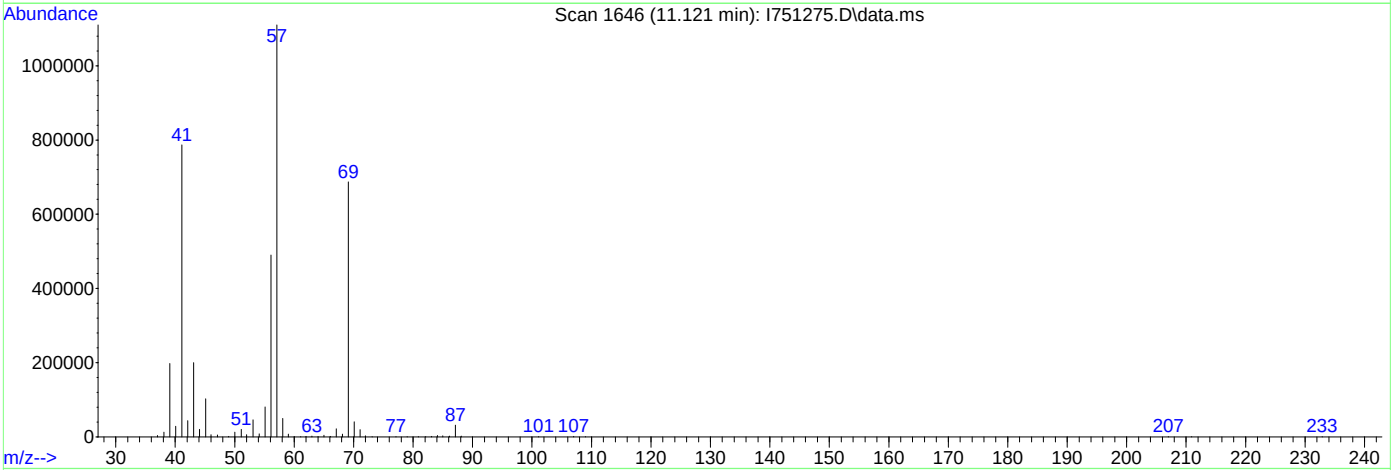
Ion	Exp%	Act%
57.10	100	100
69.10	62.60	61.87
56.10	44.90	44.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-14\
Data File : I751275.D
Acq On : 14 Sep 2022 11:35 am
Operator : joannel
Sample : BS
Misc : MS52329,VI2691,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 12:01:29 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration





TIC: I751275.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.121min (-0.006) 1039.57ug/L m

response 1823263

Ion	Exp%	Act%
57.10	100	100
69.10	62.60	61.87
56.10	44.90	44.11
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Fereira
09/14/22 03:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64637.D
Acq On : 10 Sep 2022 9:14 pm
Operator : adeladl
Sample : FA98517-4MS
Misc : MS52360,VY2680,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 12 20:06:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.498	96	895101	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.151	117	682379	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.769	152	345741	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.604	113	198688	50.96	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.92%			
49) 1,2-Dichloroethane-d4	9.206	65	236518	46.74	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 93.48%			
63) Toluene-d8	10.934	98	876882	50.22	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.44%			
86) 4-Bromofluorobenzene	13.008	174	282120	50.13	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.26%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.843	85	82281	22.84	ug/L	91
3) Acrolein	5.580	56	118974	110.97	ug/L	95
4) Chloromethane	3.177	50	104958	21.59	ug/L	95
5) 1,3-butadiene	3.342	39	158565	37.76	ug/L	99
6) Vinyl Chloride	3.311	62	104531	20.95	ug/L	97
7) Bromomethane	3.834	94	17611	11.15	ug/L	94
8) Chloroethane	4.023	64	43351	23.64	ug/L	91
9) Trichlorofluoromethane	4.236	101	141460	25.48	ug/L	99
10) Ethyl Ether	4.753	59	86566	20.08	ug/L	93
11) Ethanol	5.021	45	80946m	546.49	ug/L	
12) 1,2-Dichlorotrifluoroe...	5.039	67	114225	21.92	ug/L	98
13) 1,1-Dichloroethene	5.045	61	141679	23.44	ug/L	98
14) Freon 113	5.112	101	99106	24.76	ug/L	93
15) Carbon Disulfide	5.100	76	230222	20.38	ug/L	99
16) Iodomethane	5.276	142	18280	17.19	ug/L	88
17) Allyl chloride	5.787	41	144072	27.21	ug/L	94
18) Methylene Chloride	5.958	49	138838	18.98	ug/L	91
19) Acetone	6.043	43	255306	107.72	ug/L	96
20) Methyl acetate	6.231	43	662708	120.36	ug/L	100
21) trans-1,2-Dichloroethene	6.219	61	135948	22.94	ug/L	94
22) Hexane	6.329	56	80485m	24.32	ug/L	
23) Methyl Tert Butyl Ether	6.383	73	288331	20.43	ug/L	91
24) Tert Butyl Alcohol	6.548	59	414590	280.88	ug/L	96
25) Acetonitrile	6.785	41	283359	257.85	ug/L	98
26) Di-isopropyl ether	6.986	45	323876	21.13	ug/L	96
27) Chloroprene	7.174	53	139652	136.77	ug/L	94
28) 1,1-Dichloroethane	7.211	63	185314	23.69	ug/L	97
29) Acrylonitrile	7.296	53	310144	121.02	ug/L	98
30) ETBE	7.576	59	290213	19.82	ug/L	97
31) Vinyl acetate	7.600	43	1131453	103.33	ug/L	98
32) cis-1,2-Dichloroethene	8.026	96	361449	73.55	ug/L	97
33) 2,2-Dichloropropane	8.166	77	125151	19.33	ug/L	95
34) Bromochloromethane	8.294	128	48261	22.70	ug/L	91
35) Cyclohexane	8.294	56	209968	25.01	ug/L	98
36) Chloroform	8.379	83	171004	22.23	ug/L	92
37) Ethyl acetate	8.513	43	842573	111.68	ug/L	99
38) Tetrahydrofuran	8.592	42	75129	23.13	ug/L	96
40) Carbon Tetrachloride	8.555	117	118697	22.76	ug/L	92
41) 1,1,1-Trichloroethane	8.634	97	153221	22.72	ug/L	97
42) 2-Butanone	8.750	43	442003	109.17	ug/L	100
43) 1,1-Dichloropropene	8.780	75	139510	22.10	ug/L	92
44) tert-Butyl formate	8.902	59	20261	5.59	ug/L	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64637.D
Acq On : 10 Sep 2022 9:14 pm
Operator : adeladl
Sample : FA98517-4MS
Misc : MS52360,VY2680,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 12 20:06:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	9.085	54	321362	247.59	ug/L		98
46) Methacrylonitrile	9.103	41	1063564	235.53	ug/L		97
47) Benzene	9.060	78	439518	21.92	ug/L		98
48) TAME	9.170	73	294577	21.26	ug/L		95
50) Isobutyl Alcohol	9.279	42	206112	511.32	ug/L		95
51) 1,2-Dichloroethane	9.279	62	132566	21.85	ug/L		95
52) Tert Amyl Alcohol	9.383	59	303174m	231.13	ug/L		
53) Trichloroethene	9.669	95	644390	132.50	ug/L		98
54) Methylcyclohexane	9.662	83	207192	26.03	ug/L	#	86
55) Dibromomethane	10.088	93	56370	20.63	ug/L		98
56) 1,2-Dichloropropane	10.173	63	100417	21.37	ug/L		92
57) Bromodichloromethane	10.228	83	113400	22.37	ug/L		98
58) Methyl methacrylate	10.344	41	122516	24.57	ug/L		97
59) 1,4-Dioxane	10.411	88	68602	487.43	ug/L		98
61) cis-1,3-Dichloropropene	10.782	75	139145	20.16	ug/L		97
64) Toluene	10.976	91	461811	21.27	ug/L		97
65) 2-Nitropropane	11.171	41	214256	111.02	ug/L		99
66) 4-Methyl-2-pentanone	11.262	43	887999	105.26	ug/L		99
67) trans-1,3-Dichloropropene	11.311	75	136007	22.79	ug/L		97
68) Tetrachloroethene	11.305	166	125915	23.40	ug/L		95
69) Ethyl methacrylate	11.402	69	152632	23.32	ug/L		95
70) 1,1,2-Trichloroethane	11.439	83	79247	20.94	ug/L		94
71) Dibromochloromethane	11.591	129	82317	21.41	ug/L		97
72) 1,3-Dichloropropane	11.658	76	164065	20.32	ug/L		98
73) 1,2-Dibromoethane	11.792	107	99227	23.03	ug/L		96
74) 3,3-dimethyl-1-butanol	11.871	57	1906302m	1186.72	ug/L		
75) 2-hexanone	11.901	43	736969	113.73	ug/L		100
76) 1-Chlorohexane	12.108	91	151363	23.79	ug/L		92
77) Ethylbenzene	12.157	91	530692	21.64	ug/L		100
78) Chlorobenzene	12.163	112	288516	21.73	ug/L		93
79) 1,1,1,2-Tetrachloroethane	12.205	131	93535	22.26	ug/L		99
80) m,p-Xylene	12.254	91	802489	43.73	ug/L		98
81) o-Xylene	12.570	91	386171	22.21	ug/L		99
82) Styrene	12.607	104	271714	22.10	ug/L		92
83) Bromoform	12.662	173	55857	20.79	ug/L		98
84) Isopropylbenzene	12.783	105	470524	23.23	ug/L		96
87) cis-1,4-Dichloro-2-butene	13.033	53	29407	13.47	ug/L	#	85
88) n-Propylbenzene	13.063	91	536750	22.03	ug/L		97
89) Bromobenzene	13.100	156	110203	20.67	ug/L		95
90) 1,1,2,2-Tetrachloroethane	13.118	83	170709	22.30	ug/L		98
91) 1,3,5-Trimethylbenzene	13.179	105	329375	21.23	ug/L		98
92) 2-Chlorotoluene	13.203	91	336129	20.60	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.240	53	26655	13.56	ug/L	#	71
94) 1,2,3-Trichloropropane	13.233	110	51731	20.09	ug/L		95
95) Cyclohexanone	13.288	55	57654	103.98	ug/L		97
96) 4-Chlorotoluene	13.313	91	313315	21.50	ug/L		98
97) tert-Butylbenzene	13.410	91	174621	21.73	ug/L		96
98) 1,2,4-Trimethylbenzene	13.452	105	328568	21.59	ug/L		96
99) Pentachloroethane	13.465	167	63128	26.72	ug/L		93
100) sec-Butylbenzene	13.532	105	369138	23.61	ug/L		96
101) 4-Isopropyltoluene	13.611	119	291442	22.78	ug/L		97
102) 1,3-Dichlorobenzene	13.726	146	188369	21.70	ug/L		96
103) 1,2,3-Trimethylbenzene	13.763	105	356066	46.22	ug/L		96
104) 1,4-Dichlorobenzene	13.781	146	204734	21.62	ug/L		98
105) n-Butylbenzene	13.897	92	117312	21.81	ug/L		100
106) Benzyl Chloride	13.933	126	44217	16.17	ug/L	#	93
107) 1,2-Dichlorobenzene	14.073	146	191328	21.81	ug/L		96
108) 1,2-Dibromo-3-Chloropr...	14.596	75	34709	20.08	ug/L		81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64637.D
Acq On : 10 Sep 2022 9:14 pm
Operator : adeladl
Sample : FA98517-4MS
Misc : MS52360,VY2680,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 12 20:06:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

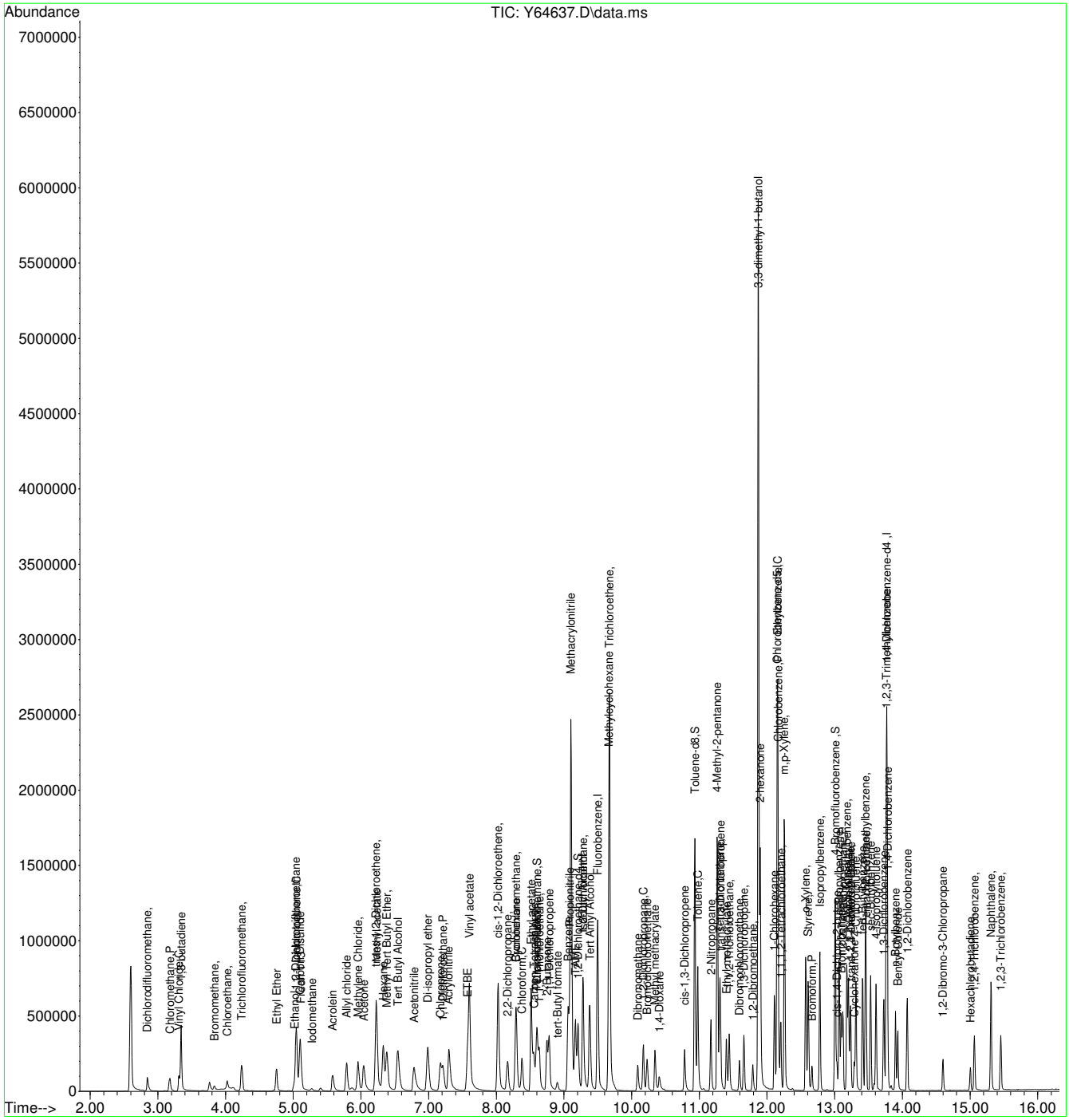
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) Hexachlorobutadiene	15.004	225	21101	20.63	ug/L	89
110) 1,2,4-Trichlorobenzene	15.065	180	88956	21.23	ug/L	96
111) Naphthalene	15.308	128	470650	22.28	ug/L	98
112) 1,2,3-Trichlorobenzene	15.454	180	95176	23.01	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64637.D
Acq On : 10 Sep 2022 9:14 pm
Operator : adeladl
Sample : FA98517-4MS
Misc : MS52360,VY2680,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 12 20:06:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



Manual Integration Approval Summary

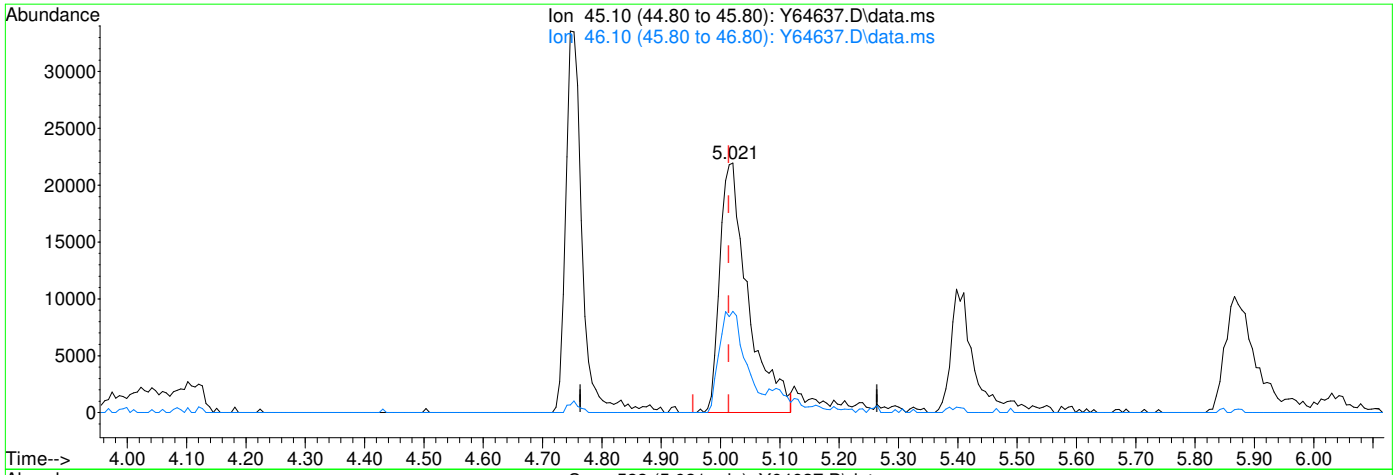
Sample Number: FA98517-4MS
Lab FileID: Y64637.D
Injection Time: 09/10/22 21:14
Method: SW846 8260D
Analyst approved: 09/13/22 02:11 Jennifer Fereira
Supervisor approved: 09/14/22 03:47 Jennifer Fereira

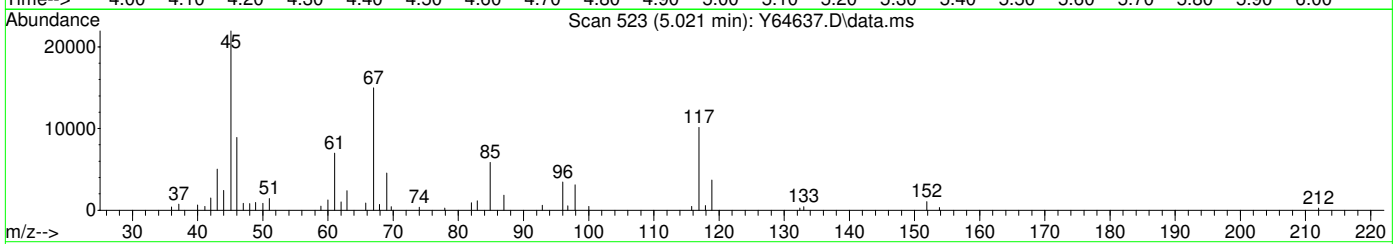
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.02	Poor instrument integration
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

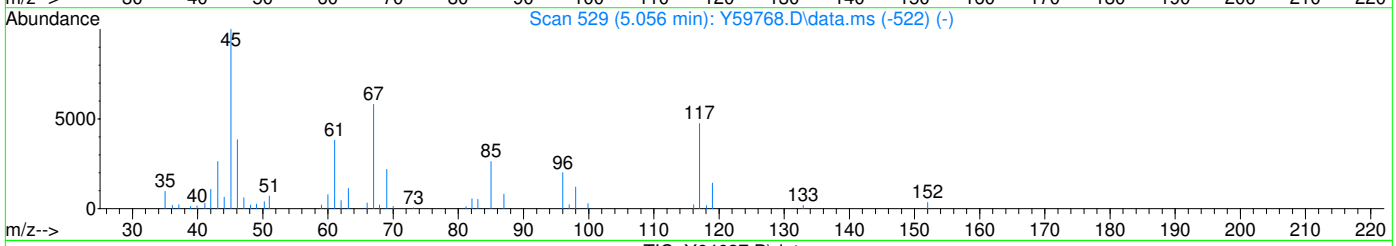
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64637.D
Acq On : 10 Sep 2022 9:14 pm
Operator : adeladl
Sample : FA98517-4MS
Misc : MS52360,VY2680,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 12 20:04:15 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64637.D\data.ms

(11) Ethanol

5.021min (+0.007) 491.61ug/L

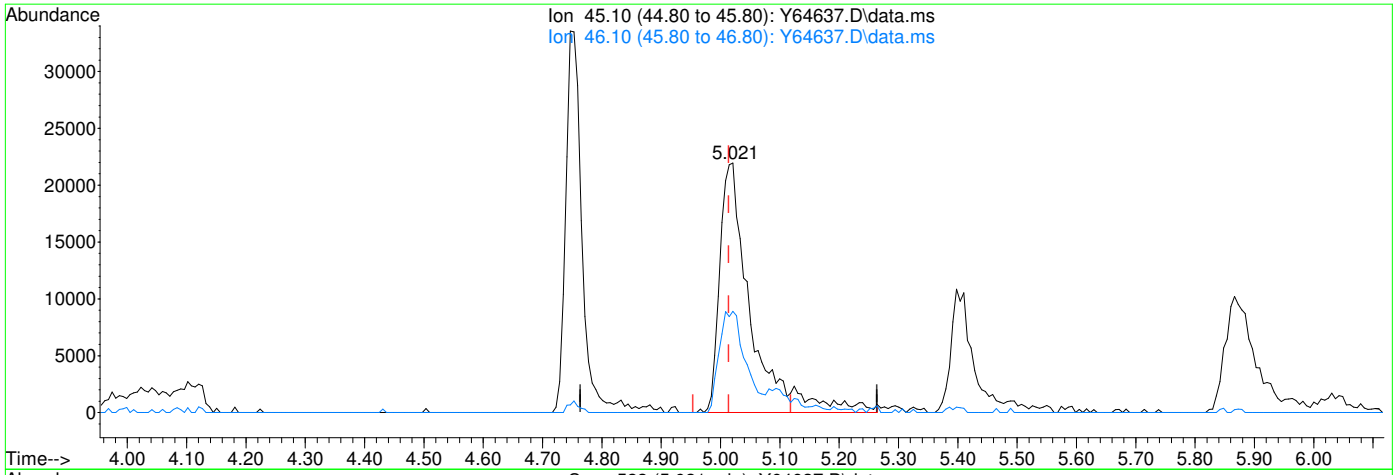
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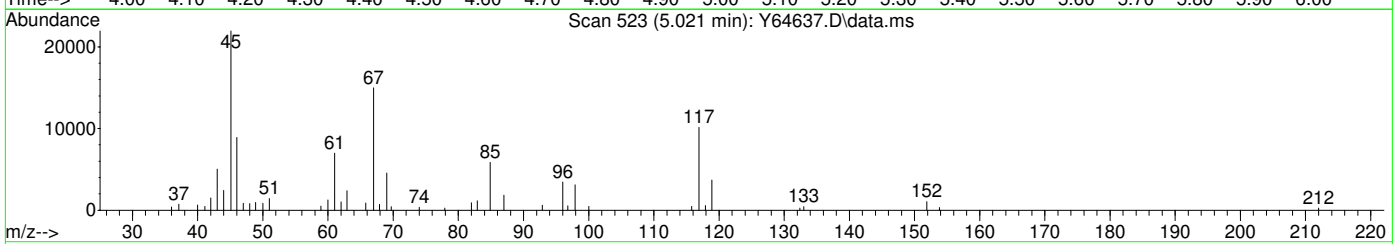
Ion	Exp%	Act%
45.10	100	100
46.10	40.10	40.52
0.00	0.00	0.00
0.00	0.00	0.00

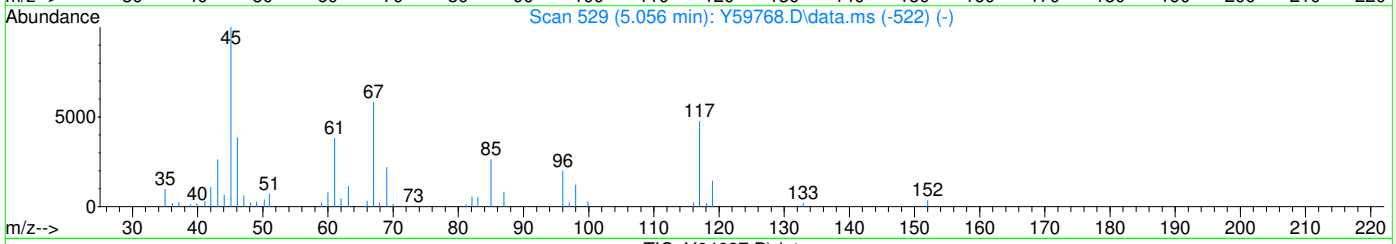
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64637.D
Acq On : 10 Sep 2022 9:14 pm
Operator : adeladl
Sample : FA98517-4MS
Misc : MS52360,VY2680,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 12 20:04:15 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64637.D\data.ms

(11) Ethanol

5.021min (+0.007) 546.49ug/L m

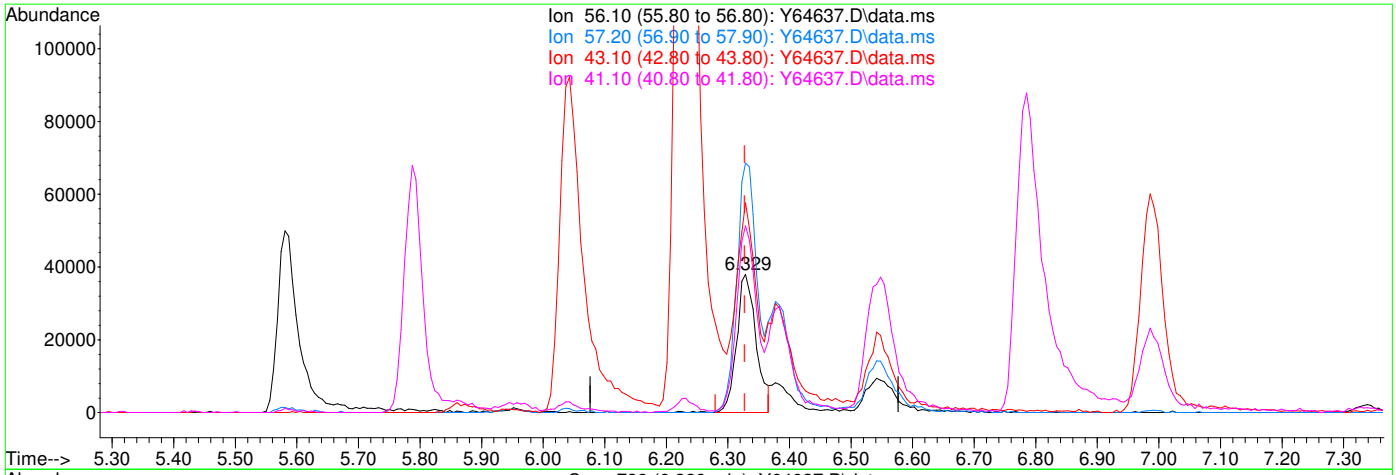
response 80946

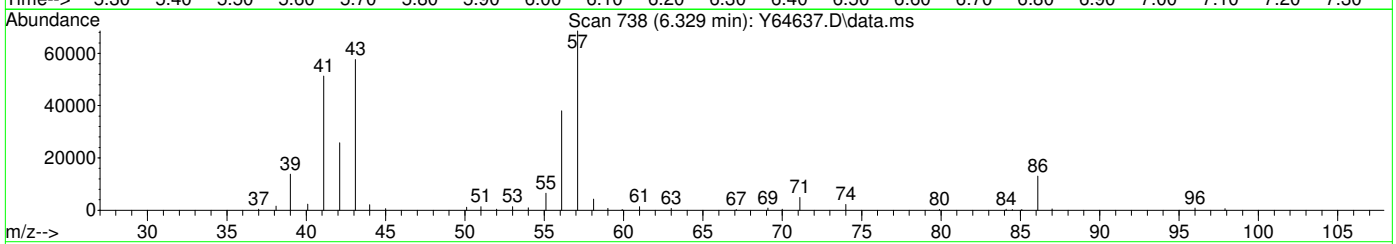
Ion	Exp%	Act%
45.10	100	100
46.10	40.10	40.52
0.00	0.00	0.00
0.00	0.00	0.00

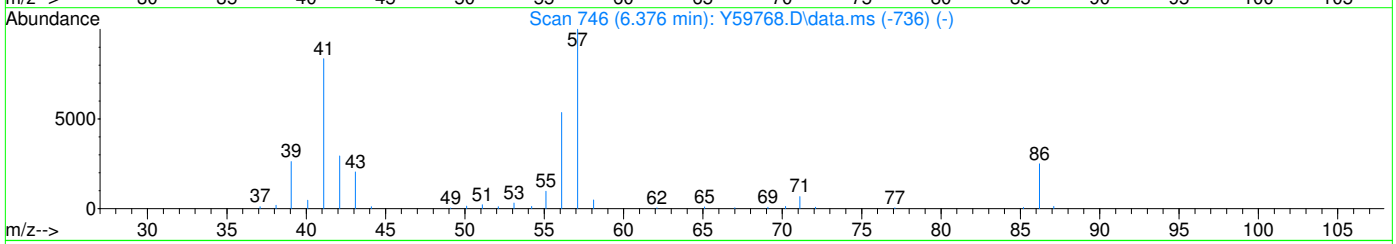
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64637.D
Acq On : 10 Sep 2022 9:14 pm
Operator : adeladl
Sample : FA98517-4MS
Misc : MS52360,VY2680,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 12 20:04:15 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64637.D\data.ms

(22) Hexane

6.329min (+0.002) 25.14ug/L

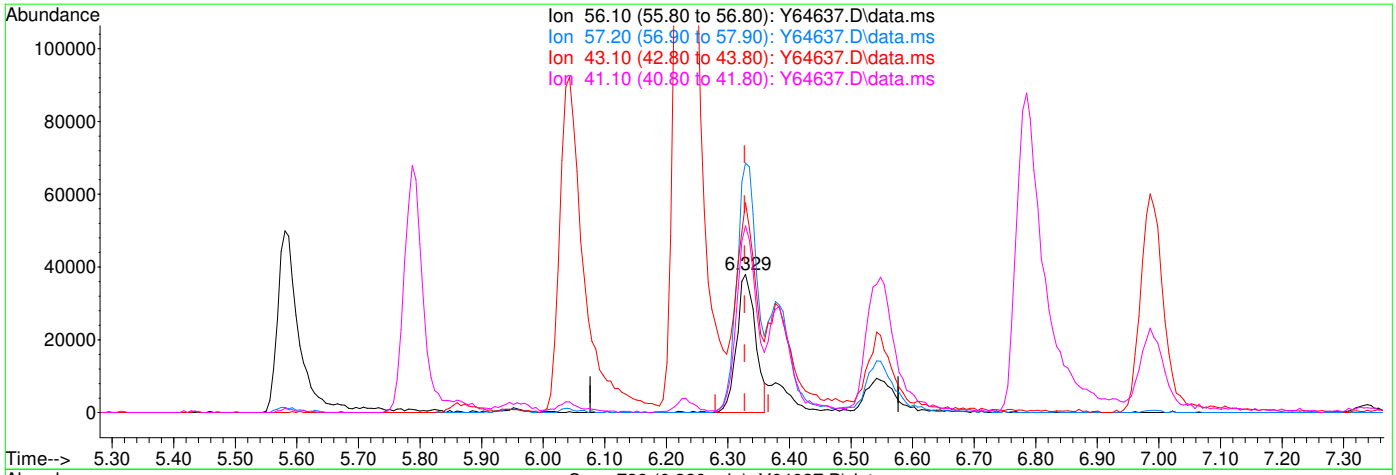
response 83188

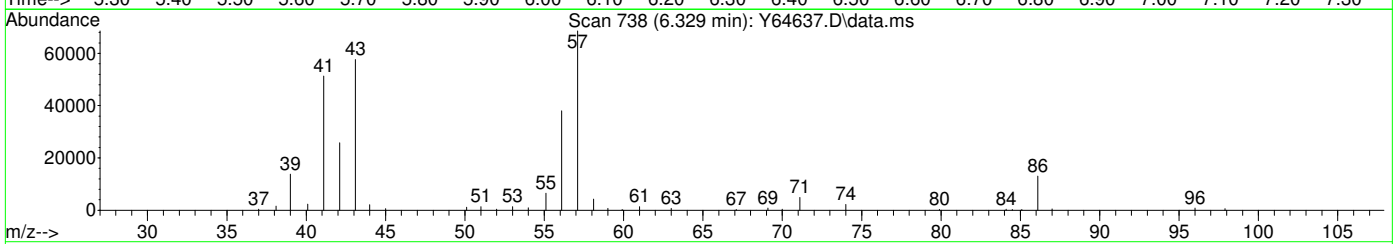
Ion	Exp%	Act%
56.10	100	100
57.20	206.50	179.84#
43.10	82.60	88.34
41.10	140.00	133.74

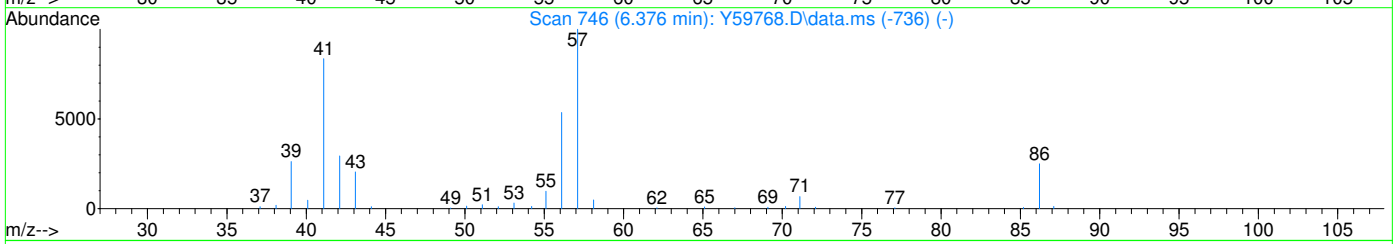
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64637.D
Acq On : 10 Sep 2022 9:14 pm
Operator : adeladl
Sample : FA98517-4MS
Misc : MS52360,VY2680,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 12 20:04:15 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64637.D\data.ms

(22) Hexane

6.329min (+0.002) 24.32ug/L m

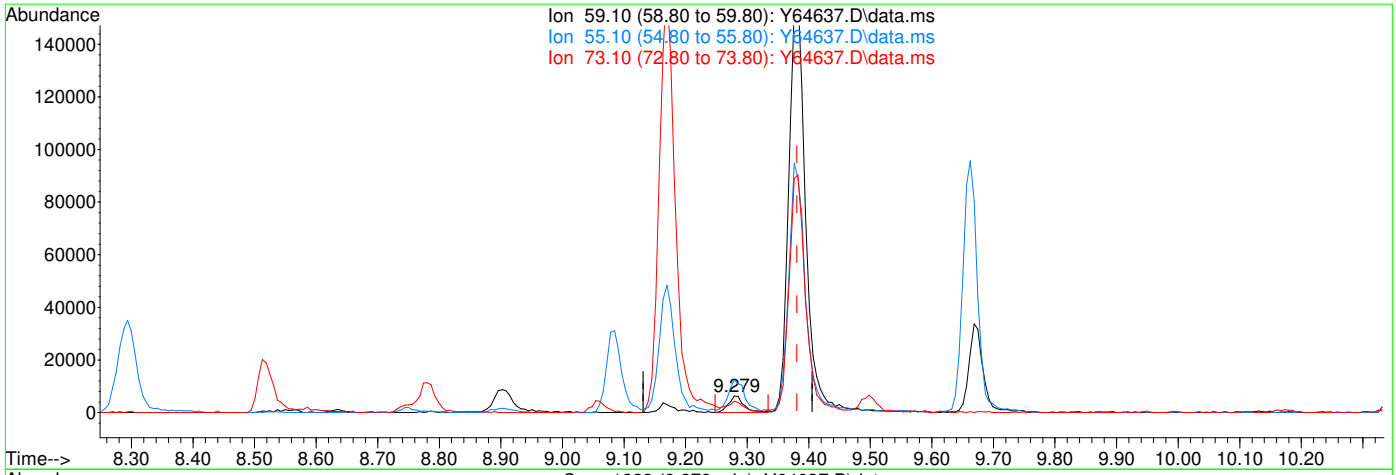
response 80485

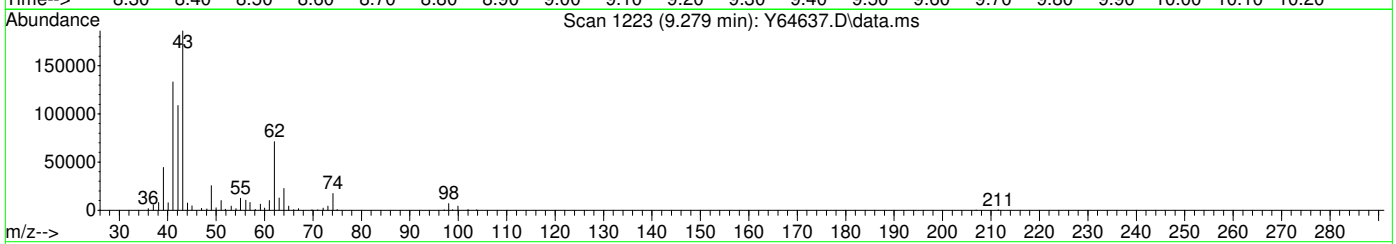
Ion	Exp%	Act%
56.10	100	100
57.20	206.50	180.57#
43.10	82.60	151.68#
41.10	140.00	135.05

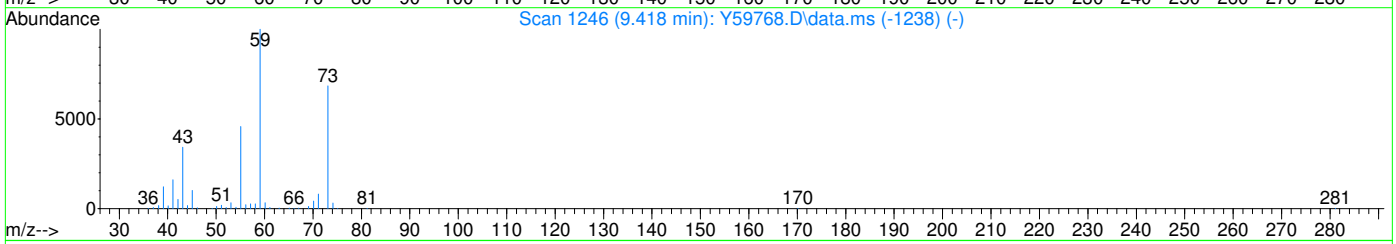
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64637.D
Acq On : 10 Sep 2022 9:14 pm
Operator : adeladl
Sample : FA98517-4MS
Misc : MS52360,VY2680,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 12 20:04:15 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64637.D\data.ms

(52) Tert Amyl Alcohol

9.279min (-0.102) 9.23ug/L

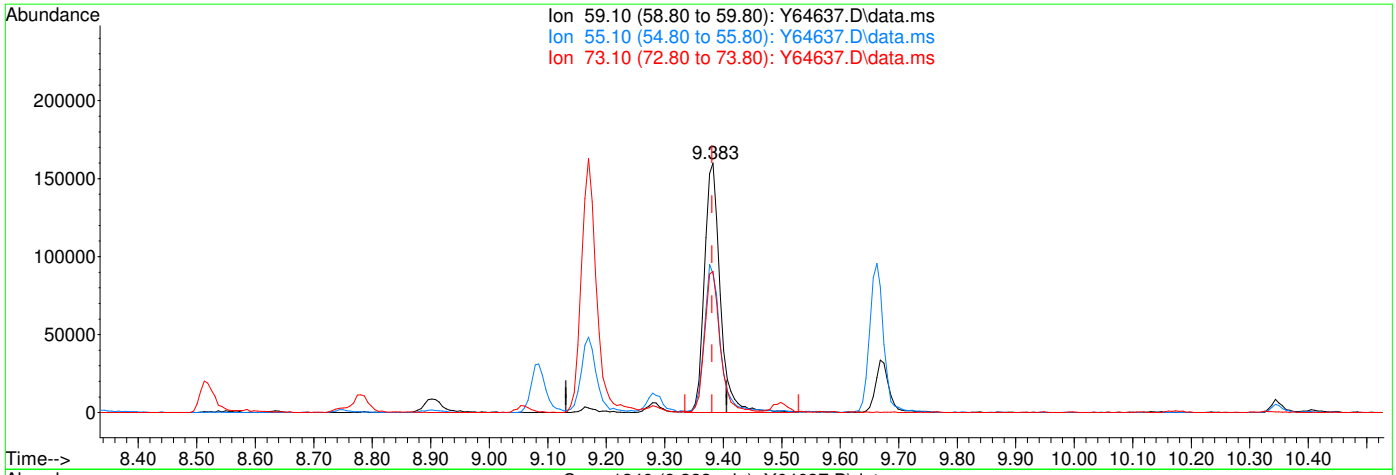
response 11071

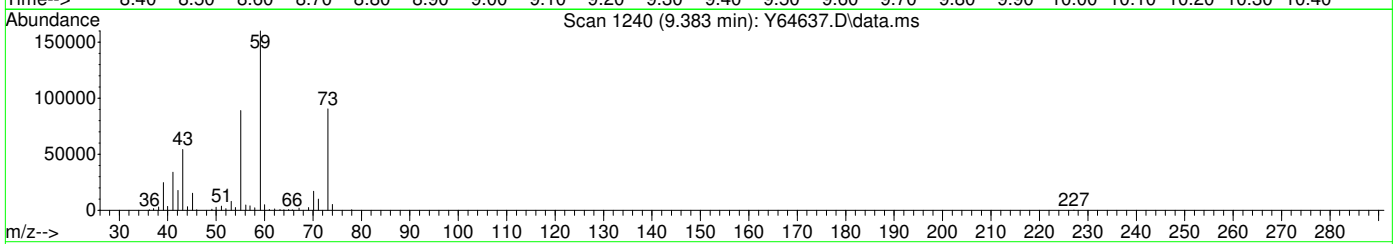
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	183.70#
73.10	57.50	51.79
0.00	0.00	0.00

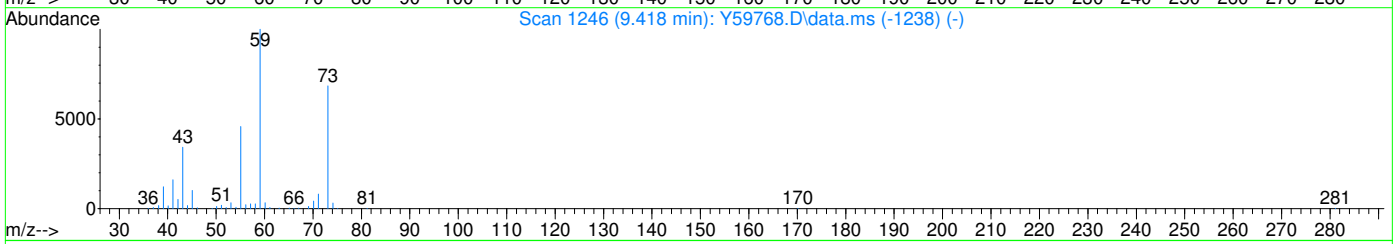
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64637.D
Acq On : 10 Sep 2022 9:14 pm
Operator : adeladl
Sample : FA98517-4MS
Misc : MS52360,VY2680,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 12 20:04:15 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64637.D\data.ms

(52) Tert Amyl Alcohol

9.383min (+0.002) 231.13ug/L m

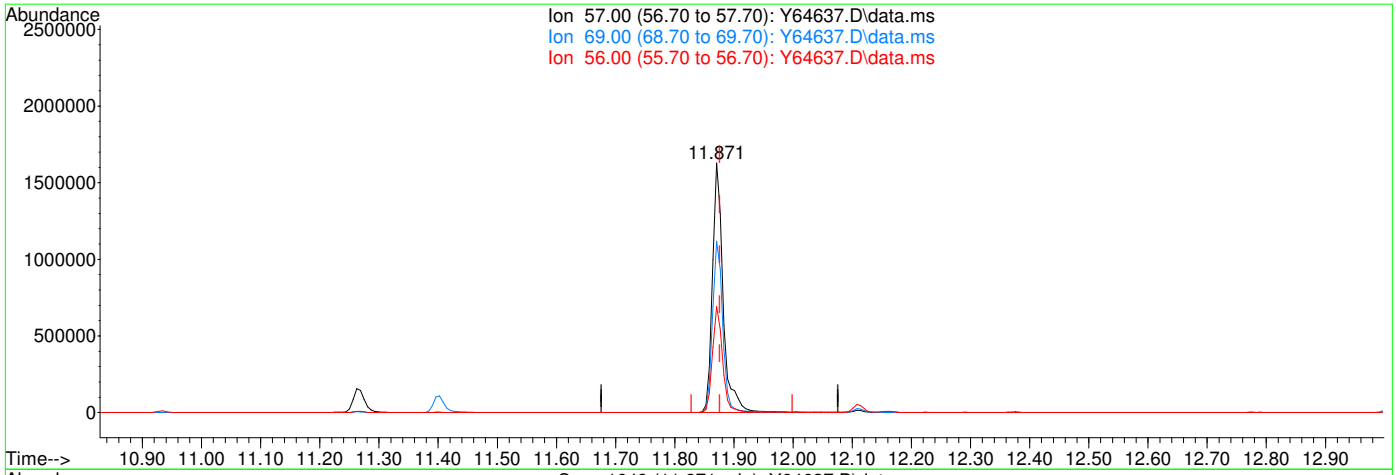
response 303174

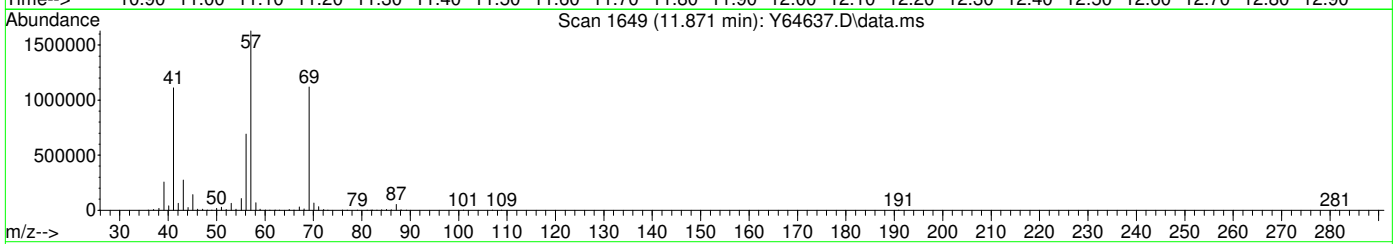
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	55.57
73.10	57.50	56.47
0.00	0.00	0.00

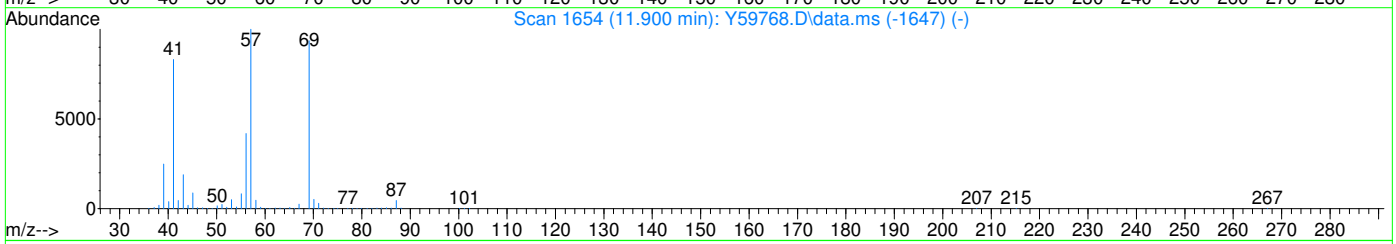
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64637.D
Acq On : 10 Sep 2022 9:14 pm
Operator : adeladl
Sample : FA98517-4MS
Misc : MS52360,VY2680,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 12 20:04:15 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64637.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.871min (-0.005) 1258.71ug/L

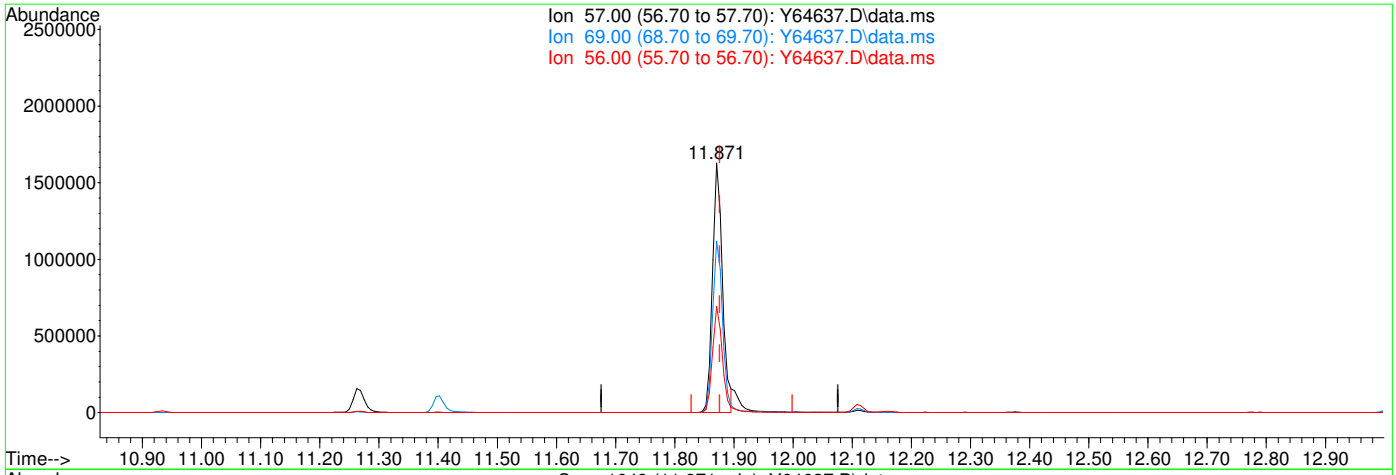
response 2052638

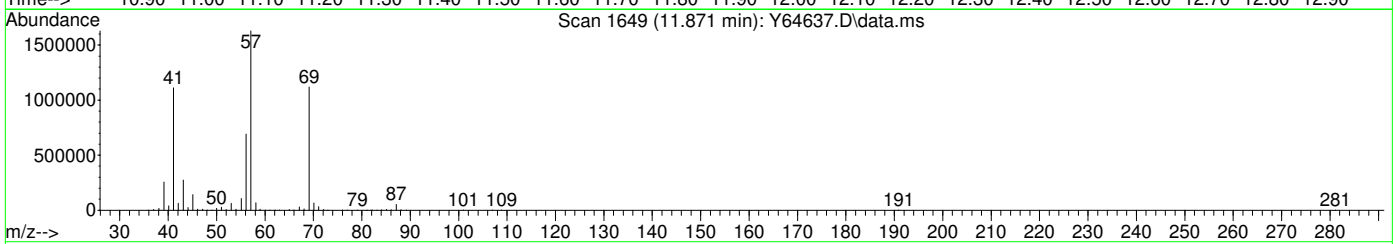
Ion	Exp%	Act%
57.00	100	100
69.00	71.90	68.57
56.00	40.00	42.44
0.00	0.00	0.00

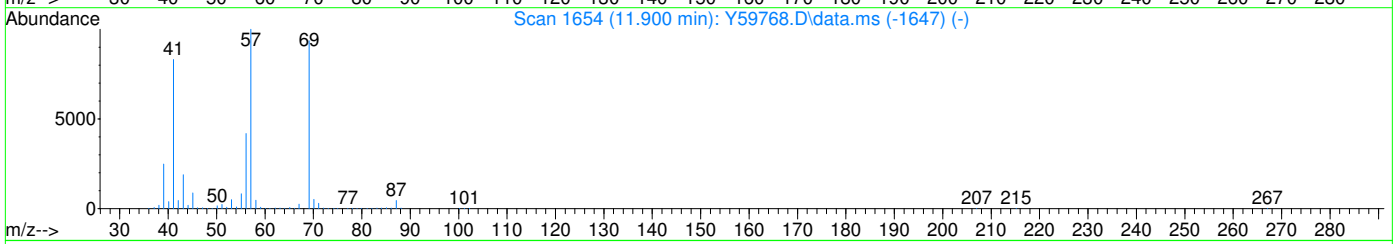
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64637.D
Acq On : 10 Sep 2022 9:14 pm
Operator : adeladl
Sample : FA98517-4MS
Misc : MS52360,VY2680,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 12 20:04:15 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64637.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.871min (-0.005) 1186.72ug/L m

response 1906302

Ion	Exp%	Act%
57.00	100	100
69.00	71.90	68.60
56.00	40.00	42.44
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Fereira 09/14/22 03:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64638.D
Acq On : 10 Sep 2022 9:39 pm
Operator : adeladl
Sample : FA98517-4MSD
Misc : MS52360,VY2680,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 12 20:09:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	935788	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	720284	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	362053	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	208252	51.09	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.18%			
49) 1,2-Dichloroethane-d4	9.205	65	253576	47.93	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.86%			
63) Toluene-d8	10.932	98	906928	49.21	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.42%			
86) 4-Bromofluorobenzene	13.007	174	294631	50.00	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.847	85	89471	23.73	ug/L	92
3) Acrolein	5.585	56	122922	109.73	ug/L	100
4) Chloromethane	3.176	50	121688	23.96	ug/L	99
5) 1,3-butadiene	3.340	39	169332	38.62	ug/L	98
6) Vinyl Chloride	3.310	62	122227	23.43	ug/L	98
7) Bromomethane	3.839	94	24934	15.11	ug/L	92
8) Chloroethane	4.022	64	46587	24.35	ug/L	99
9) Trichlorofluoromethane	4.241	101	155049	26.71	ug/L	98
10) Ethyl Ether	4.752	59	87041	19.31	ug/L	94
11) Ethanol	5.013	45	83266m	537.71	ug/L	
12) 1,2-Dichlorotrifluoroe...	5.044	67	114295	20.98	ug/L	95
13) 1,1-Dichloroethene	5.050	61	141563	22.40	ug/L	96
14) Freon 113	5.104	101	95891	22.92	ug/L	93
15) Carbon Disulfide	5.098	76	242379	20.52	ug/L	99
16) Iodomethane	5.281	142	33695	26.84	ug/L	95
17) Allyl chloride	5.786	41	139879	25.27	ug/L	94
18) Methylene Chloride	5.962	49	143246	18.73	ug/L	93
19) Acetone	6.041	43	295630	119.31	ug/L	100
20) Methyl acetate	6.230	43	675213	117.30	ug/L	99
21) trans-1,2-Dichloroethene	6.218	61	141657	22.87	ug/L	97
22) Hexane	6.327	56	76070m	21.98	ug/L	
23) Methyl Tert Butyl Ether	6.382	73	313250	21.23	ug/L	81
24) Tert Butyl Alcohol	6.546	59	444548	287.58	ug/L	94
25) Acetonitrile	6.783	41	275433	240.21	ug/L	98
26) Di-isopropyl ether	6.984	45	341999	21.34	ug/L	95
27) Chloroprene	7.173	53	133884	125.42	ug/L	98
28) 1,1-Dichloroethane	7.215	63	190276	23.26	ug/L	95
29) Acrylonitrile	7.301	53	308858	115.48	ug/L	98
30) ETBE	7.574	59	310946	20.32	ug/L	96
31) Vinyl acetate	7.605	43	1175799	102.74	ug/L	98
32) cis-1,2-Dichloroethene	8.024	96	375280	73.05	ug/L	95
33) 2,2-Dichloropropane	8.171	77	125769	18.58	ug/L	96
34) Bromochloromethane	8.292	128	48811	21.96	ug/L	98
35) Cyclohexane	8.292	56	211034	24.04	ug/L	99
36) Chloroform	8.377	83	176292	21.92	ug/L	95
37) Ethyl acetate	8.517	43	864386	109.66	ug/L	99
38) Tetrahydrofuran	8.590	42	71660	21.12	ug/L	98
40) Carbon Tetrachloride	8.554	117	121401	22.27	ug/L	94
41) 1,1,1-Trichloroethane	8.633	97	156330	22.18	ug/L	97
42) 2-Butanone	8.748	43	514208	120.95	ug/L	99
43) 1,1-Dichloropropene	8.779	75	148425	22.49	ug/L	94
44) tert-Butyl formate	8.907	59	17050	4.50	ug/L	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64638.D
Acq On : 10 Sep 2022 9:39 pm
Operator : adeladl
Sample : FA98517-4MSD
Misc : MS52360,VY2680,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 12 20:09:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) Propionitrile	9.083	54	313189	230.81 ug/L		99
46) Methacrylonitrile	9.101	41	1027766	217.71 ug/L		98
47) Benzene	9.059	78	444719	21.22 ug/L		99
48) TAME	9.168	73	302188	20.86 ug/L		95
50) Isobutyl Alcohol	9.284	42	201427	480.37 ug/L		96
51) 1,2-Dichloroethane	9.278	62	138555	21.85 ug/L		99
52) Tert Amyl Alcohol	9.381	59	313325m	228.69 ug/L		
53) Trichloroethene	9.673	95	662460	130.36 ug/L		97
54) Methylcyclohexane	9.661	83	206068	24.76 ug/L	#	88
55) Dibromomethane	10.087	93	58493	20.48 ug/L		96
56) 1,2-Dichloropropane	10.172	63	103567	21.09 ug/L		94
57) Bromodichloromethane	10.227	83	115070	21.71 ug/L		100
58) Methyl methacrylate	10.348	41	117064	22.56 ug/L		98
59) 1,4-Dioxane	10.409	88	75524	513.12 ug/L		98
61) cis-1,3-Dichloropropene	10.780	75	144134	19.97 ug/L		98
64) Toluene	10.975	91	473731	20.67 ug/L		96
65) 2-Nitropropane	11.170	41	224215	110.07 ug/L		99
66) 4-Methyl-2-pentanone	11.267	43	1017379	114.25 ug/L		99
67) trans-1,3-Dichloropropene	11.310	75	141169	22.41 ug/L		82
68) Tetrachloroethene	11.303	166	128008	22.53 ug/L		94
69) Ethyl methacrylate	11.401	69	147933	21.47 ug/L		97
70) 1,1,2-Trichloroethane	11.443	83	84547	21.17 ug/L		96
71) Dibromochloromethane	11.589	129	81323	20.04 ug/L		99
72) 1,3-Dichloropropane	11.656	76	174575	20.48 ug/L		99
73) 1,2-Dibromoethane	11.790	107	102196	22.47 ug/L		97
74) 3,3-dimethyl-1-butanol	11.869	57	1963225m	1163.53 ug/L		
75) 2-hexanone	11.900	43	848347	121.20 ug/L		100
76) 1-Chlorohexane	12.113	91	152452	22.70 ug/L		95
77) Ethylbenzene	12.155	91	537657	20.77 ug/L		98
78) Chlorobenzene	12.167	112	295213	21.06 ug/L		86
79) 1,1,1,2-Tetrachloroethane	12.204	131	95230	21.47 ug/L		94
80) m,p-Xylene	12.259	91	822254	42.45 ug/L		96
81) o-Xylene	12.575	91	399871	21.79 ug/L		99
82) Styrene	12.611	104	300411	23.15 ug/L		98
83) Bromoform	12.666	173	56492	19.97 ug/L		97
84) Isopropylbenzene	12.782	105	482144	22.55 ug/L		98
87) cis-1,4-Dichloro-2-butene	13.031	53	27965	12.23 ug/L		87
88) n-Propylbenzene	13.068	91	540731	21.19 ug/L		99
89) Bromobenzene	13.098	156	114439	20.49 ug/L		93
90) 1,1,2,2-Tetrachloroethane	13.122	83	174494	21.76 ug/L		99
91) 1,3,5-Trimethylbenzene	13.183	105	338817	20.86 ug/L		94
92) 2-Chlorotoluene	13.202	91	350846	20.53 ug/L		96
93) trans-1,4-Dichloro-2-B...	13.238	53	25233	12.26 ug/L	#	1
94) 1,2,3-Trichloropropane	13.232	110	55286	20.51 ug/L		95
95) Cyclohexanone	13.287	55	60917	104.91 ug/L		86
96) 4-Chlorotoluene	13.311	91	320487	21.00 ug/L		97
97) tert-Butylbenzene	13.414	91	179916	21.38 ug/L		96
98) 1,2,4-Trimethylbenzene	13.457	105	341593	21.44 ug/L		96
99) Pentachloroethane	13.463	167	61317	24.78 ug/L		96
100) sec-Butylbenzene	13.530	105	380498	23.24 ug/L		98
101) 4-Isopropyltoluene	13.609	119	305573	22.81 ug/L		99
102) 1,3-Dichlorobenzene	13.725	146	205042	22.56 ug/L		99
103) 1,2,3-Trimethylbenzene	13.761	105	373130	46.25 ug/L		97
104) 1,4-Dichlorobenzene	13.779	146	212248	21.40 ug/L		97
105) n-Butylbenzene	13.895	92	118023	20.95 ug/L		96
106) Benzyl Chloride	13.932	126	46731	16.31 ug/L	#	91
107) 1,2-Dichlorobenzene	14.071	146	203867	22.19 ug/L		97
108) 1,2-Dibromo-3-Chloropr...	14.601	75	36610	20.22 ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64638.D
Acq On : 10 Sep 2022 9:39 pm
Operator : adeladl
Sample : FA98517-4MSD
Misc : MS52360,VY2680,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 12 20:09:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

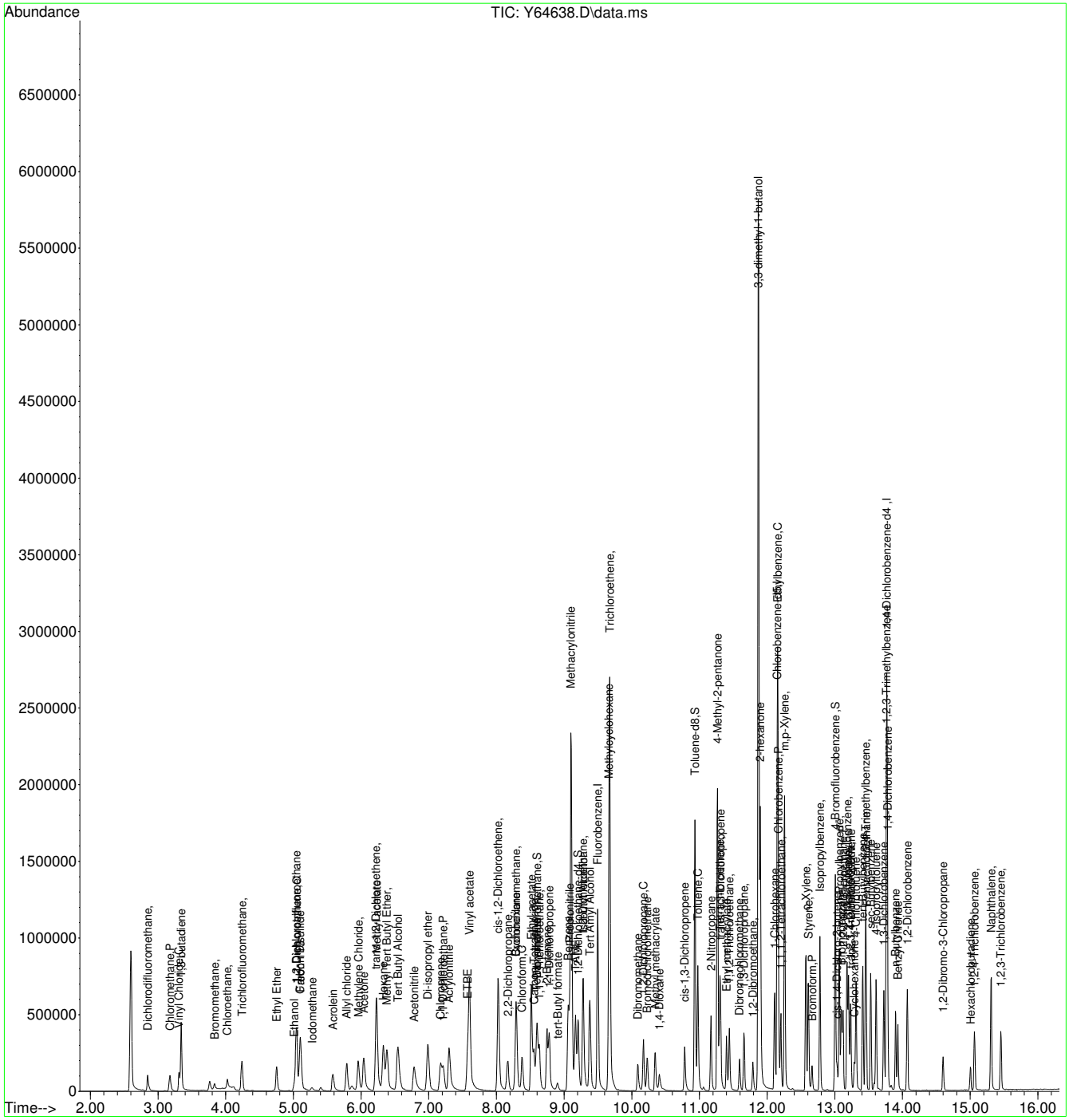
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) Hexachlorobutadiene	15.008	225	21288	19.87	ug/L	94
110) 1,2,4-Trichlorobenzene	15.063	180	98486	22.45	ug/L	99
111) Naphthalene	15.312	128	492382	22.26	ug/L	97
112) 1,2,3-Trichlorobenzene	15.452	180	96473	22.28	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64638.D
Acq On : 10 Sep 2022 9:39 pm
Operator : adeladl
Sample : FA98517-4MSD
Misc : MS52360,VY2680,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 12 20:09:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



APPIX_09-08-2022_Y.M Mon Sep 12 20:17:20 2022 Page: 4

Manual Integration Approval Summary

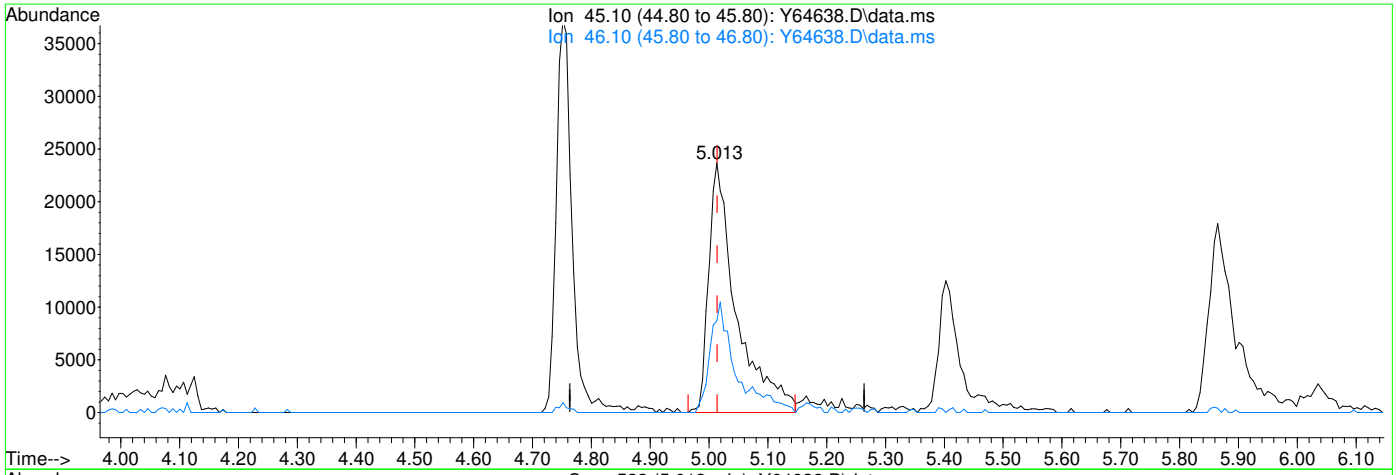
Sample Number: FA98517-4MSD
Lab FileID: Y64638.D
Injection Time: 09/10/22 21:39
Method: SW846 8260D
Analyst approved: 09/13/22 02:11 Jennifer Fereira
Supervisor approved: 09/14/22 03:47 Jennifer Fereira

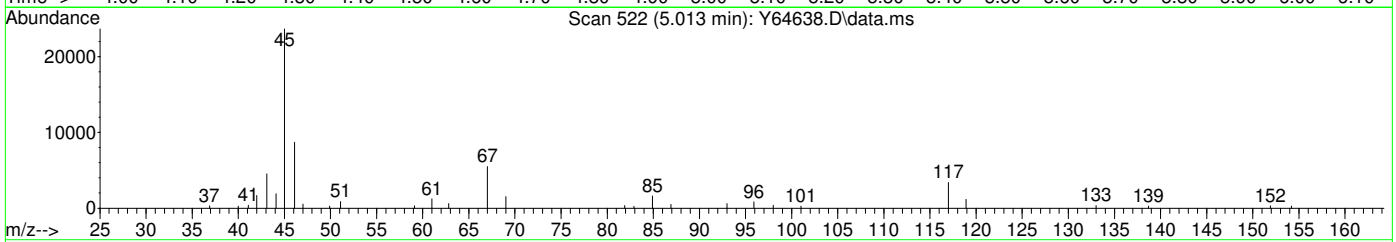
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

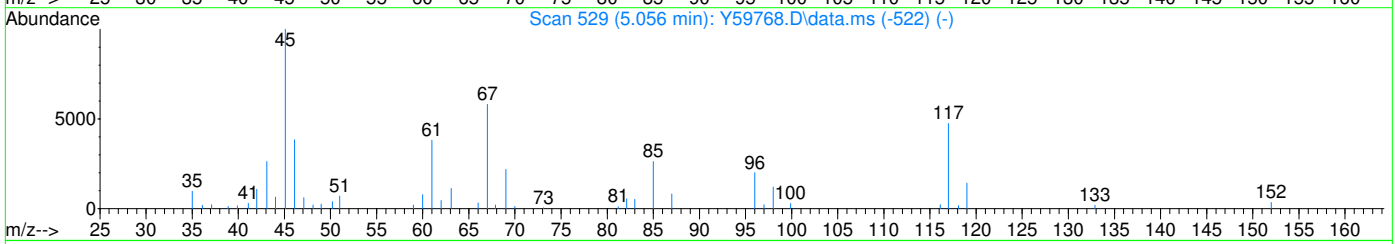
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64638.D
Acq On : 10 Sep 2022 9:39 pm
Operator : adeladl
Sample : FA98517-4MSD
Misc : MS52360,VY2680,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 12 20:06:37 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64638.D\data.ms

(11) Ethanol

5.013min (-0.001) 500.86ug/L

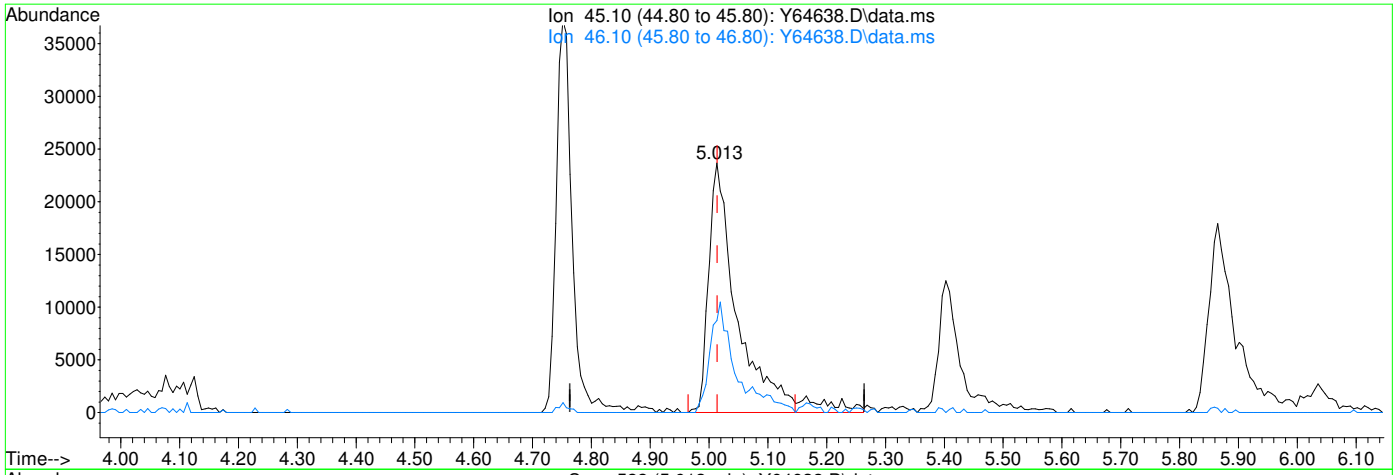
response 77559

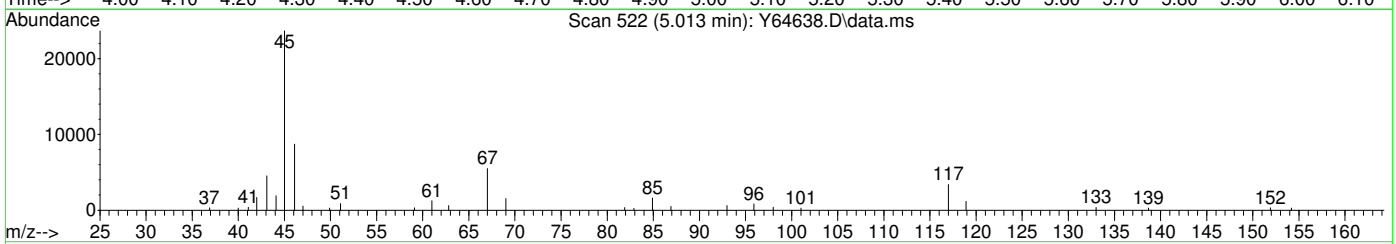
Ion	Exp%	Act%
45.10	100	100
46.10	40.10	36.82
0.00	0.00	0.00
0.00	0.00	0.00

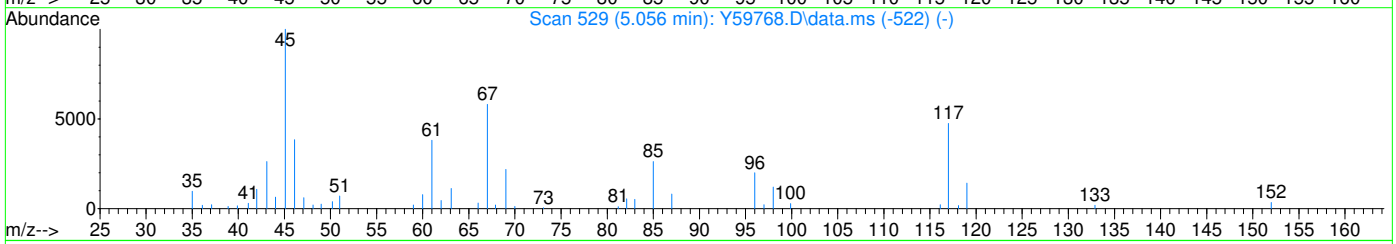
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64638.D
Acq On : 10 Sep 2022 9:39 pm
Operator : adeladl
Sample : FA98517-4MSD
Misc : MS52360,VY2680,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 12 20:06:37 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64638.D\data.ms

(11) Ethanol

5.013min (-0.001) 537.71ug/L m

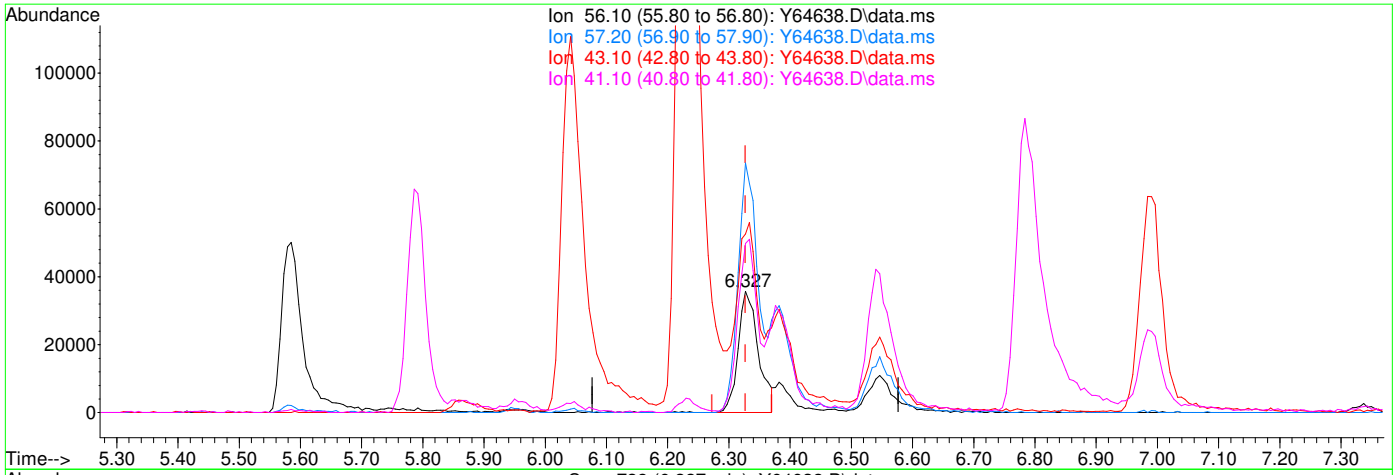
response 83266

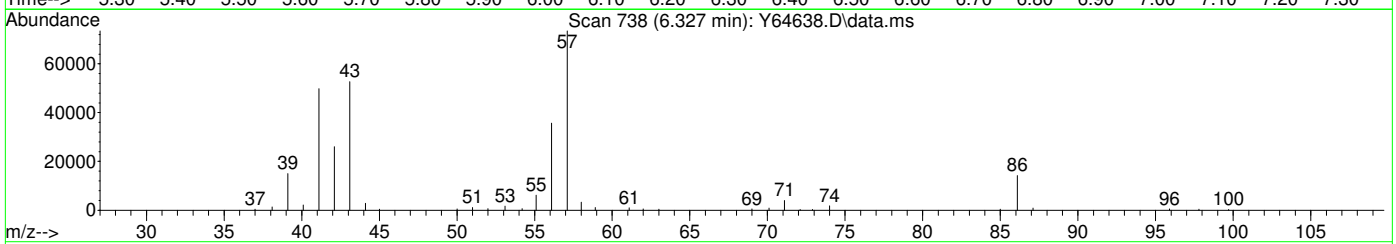
Ion	Exp%	Act%
45.10	100	100
46.10	40.10	36.82
0.00	0.00	0.00
0.00	0.00	0.00

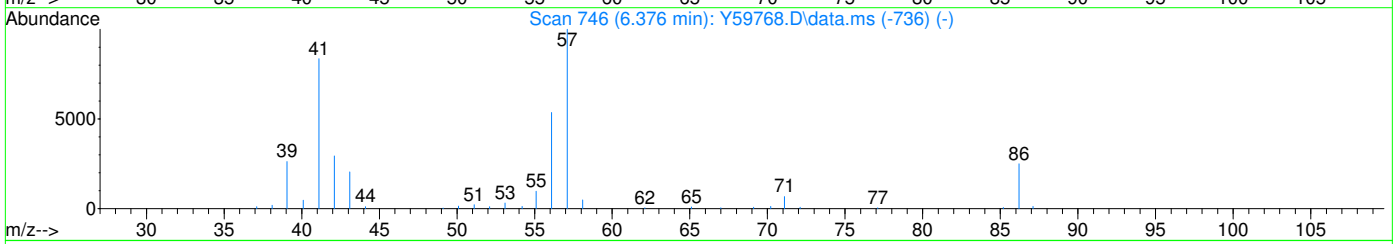
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64638.D
Acq On : 10 Sep 2022 9:39 pm
Operator : adeladl
Sample : FA98517-4MSD
Misc : MS52360,VY2680,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 12 20:06:37 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64638.D\data.ms

(22) Hexane

6.327min (+0.000) 23.72ug/L

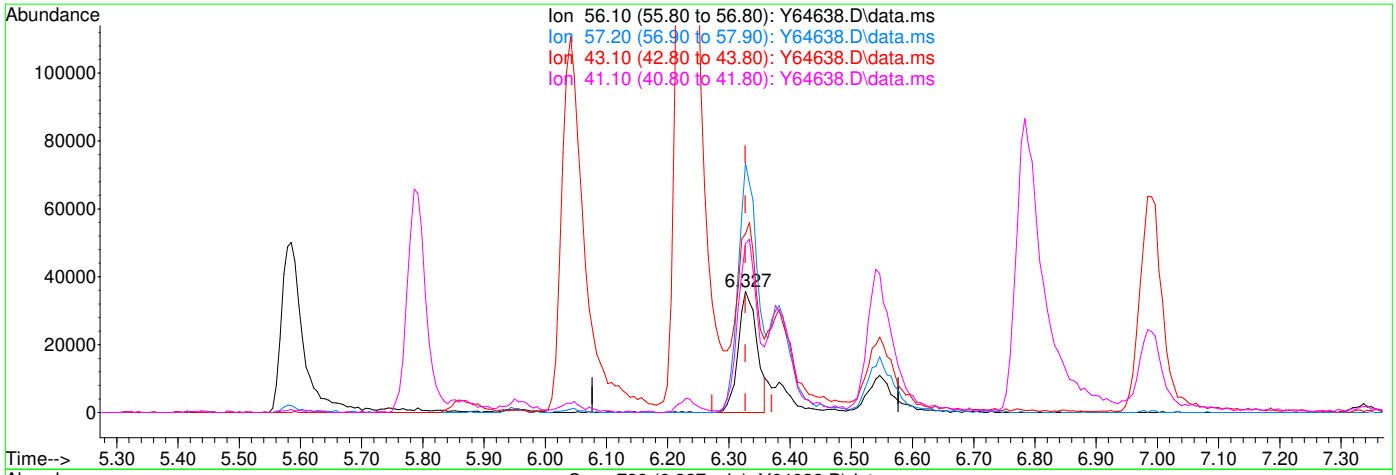
response 82063

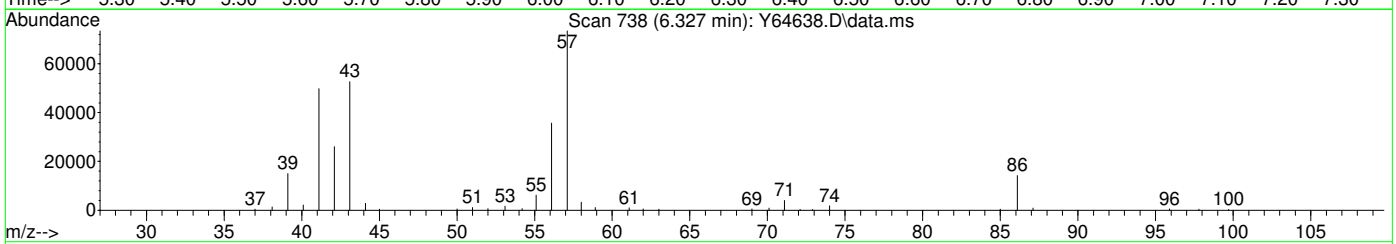
Ion	Exp%	Act%
56.10	100	100
57.20	206.50	206.24
43.10	82.60	77.74
41.10	140.00	138.23

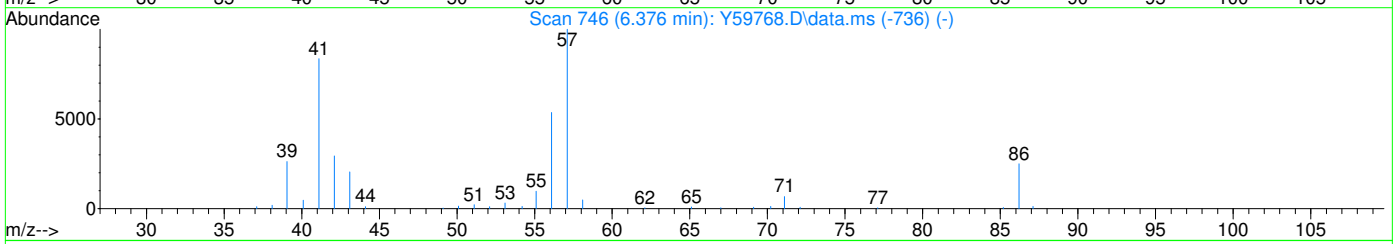
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64638.D
Acq On : 10 Sep 2022 9:39 pm
Operator : adeladl
Sample : FA98517-4MSD
Misc : MS52360,VY2680,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 12 20:06:37 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64638.D\data.ms

(22) Hexane

6.327min (+0.000) 21.98ug/L m

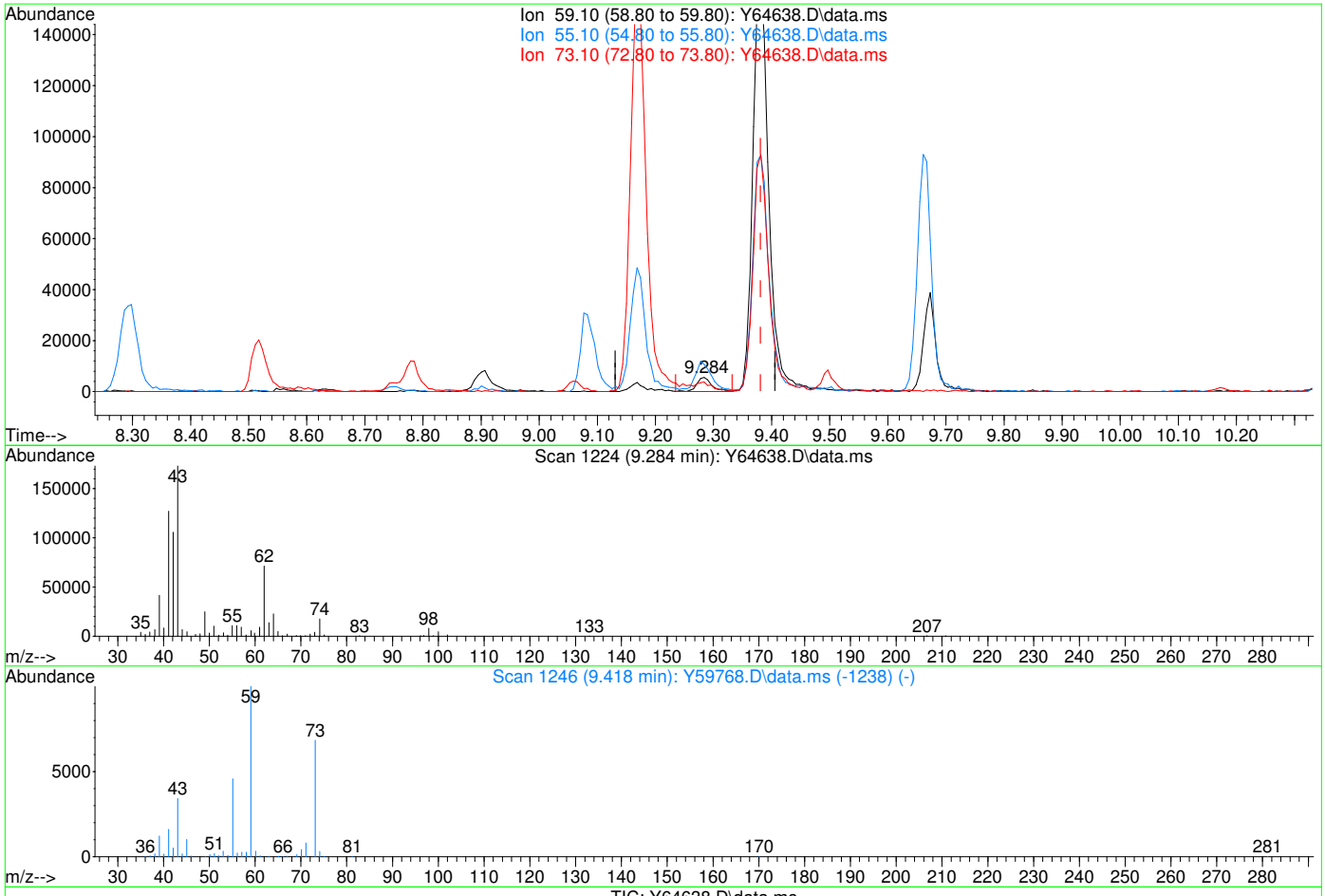
response 76070

Ion	Exp%	Act%
56.10	100	100
57.20	206.50	206.24
43.10	82.60	147.66#
41.10	140.00	139.65

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64638.D
Acq On : 10 Sep 2022 9:39 pm
Operator : adeladl
Sample : FA98517-4MSD
Misc : MS52360,VY2680,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 12 20:06:37 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



TIC: Y64638.D\data.ms

(52) Tert Amyl Alcohol

9.284min (-0.097) 8.08ug/L

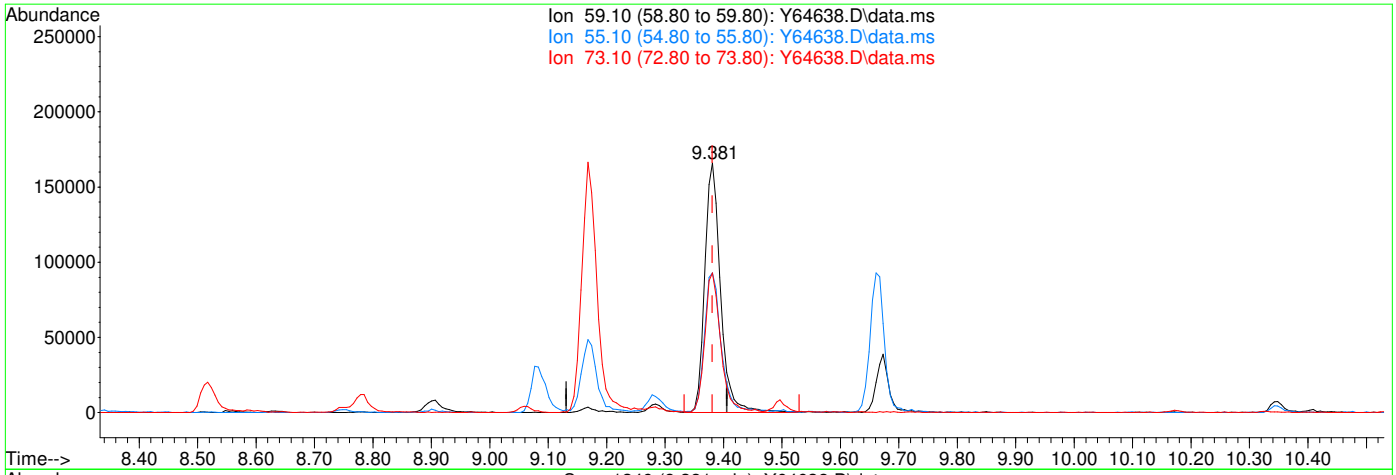
response 10127

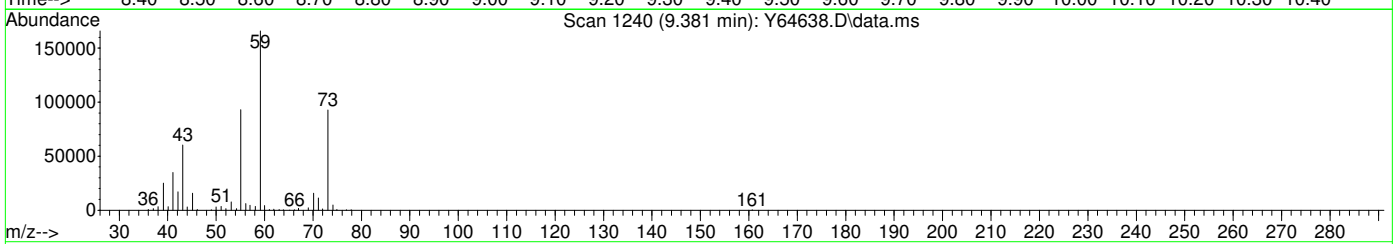
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	180.19#
73.10	57.50	57.26
0.00	0.00	0.00

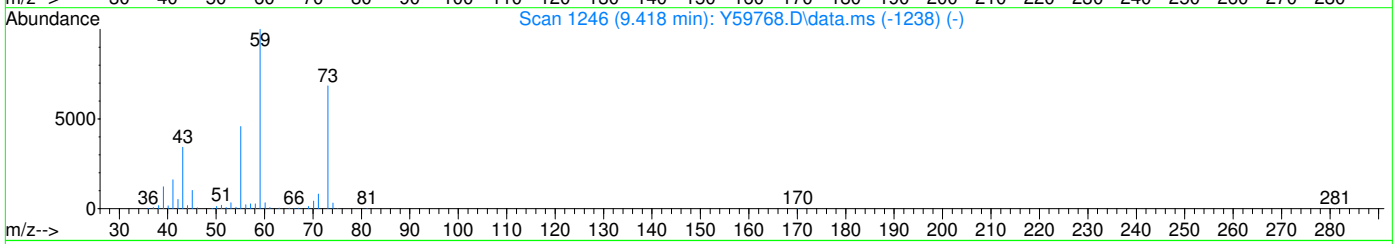
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64638.D
Acq On : 10 Sep 2022 9:39 pm
Operator : adeladl
Sample : FA98517-4MSD
Misc : MS52360,VY2680,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 12 20:06:37 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64638.D\data.ms

(52) Tert Amyl Alcohol

9.381min (+0.000) 228.69ug/L m

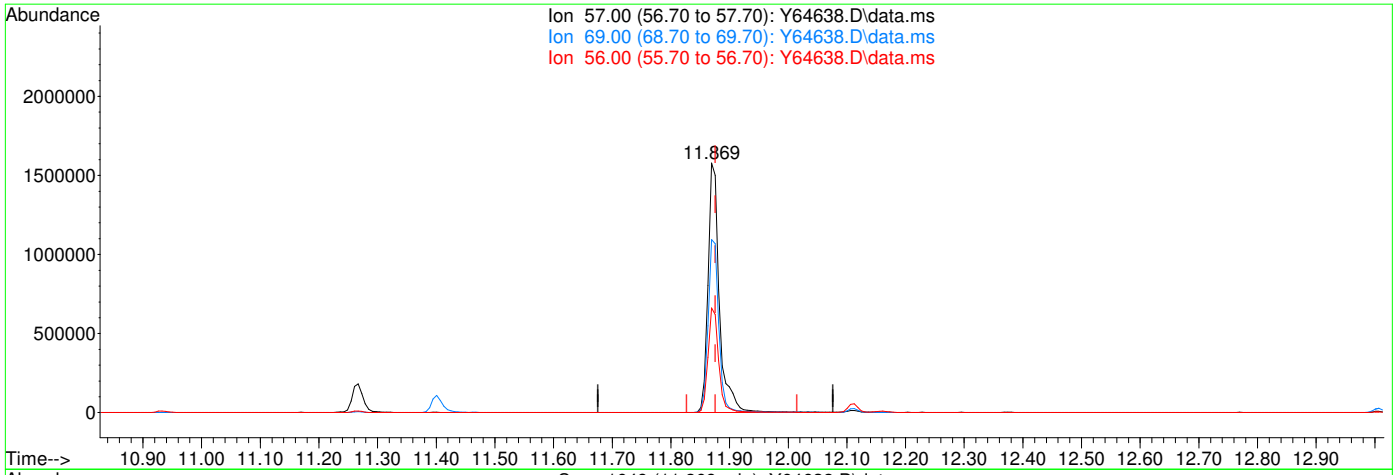
response 313325

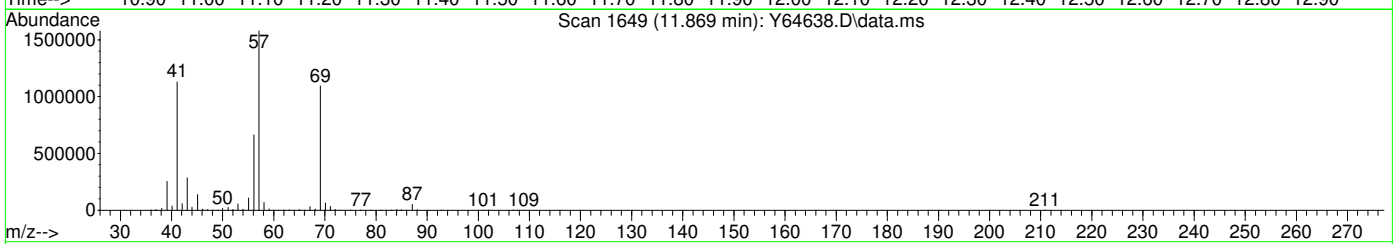
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	55.98
73.10	57.50	55.94
0.00	0.00	0.00

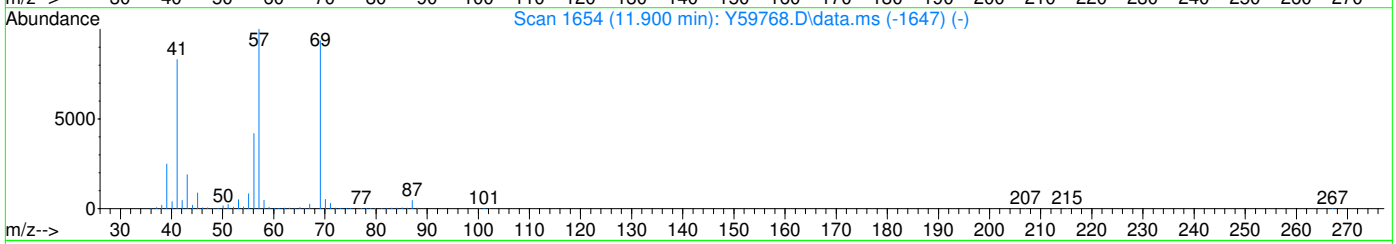
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64638.D
Acq On : 10 Sep 2022 9:39 pm
Operator : adeladl
Sample : FA98517-4MSD
Misc : MS52360,VY2680,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 12 20:06:37 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64638.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (-0.007) 1248.93ug/L

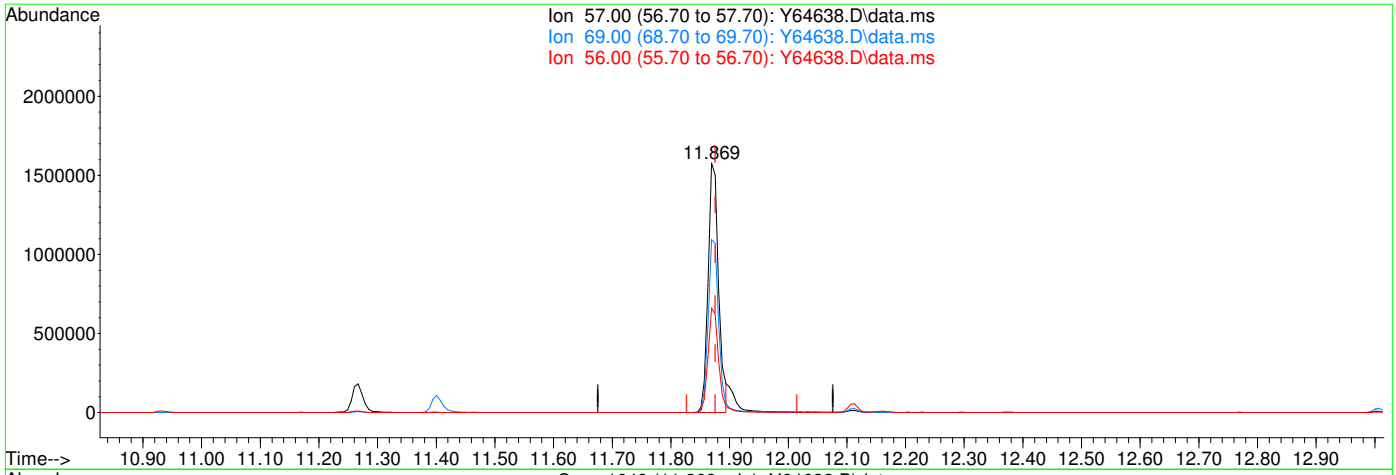
response 2145443

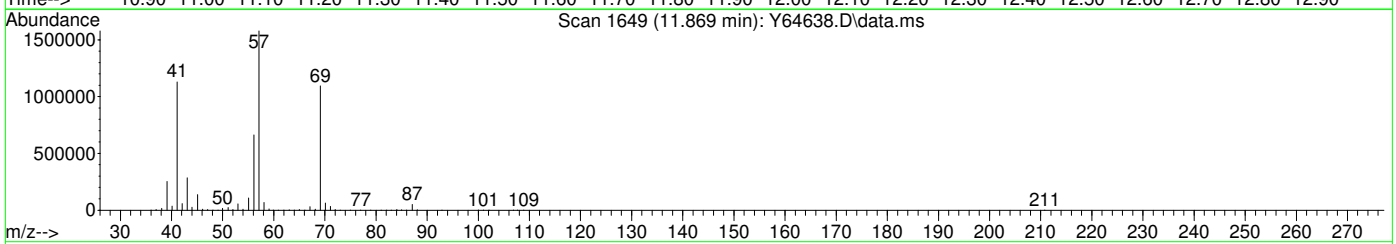
Ion	Exp%	Act%
57.00	100	100
69.00	71.90	69.26
56.00	40.00	41.86
0.00	0.00	0.00

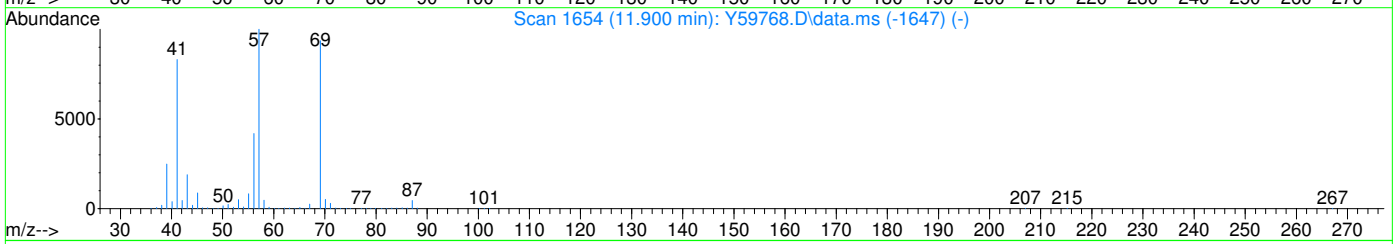
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64638.D
Acq On : 10 Sep 2022 9:39 pm
Operator : adeladl
Sample : FA98517-4MSD
Misc : MS52360,VY2680,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 12 20:06:37 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64638.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (-0.007) 1163.53ug/L m

response 1963225

Ion	Exp%	Act%
57.00	100	100
69.00	71.90	69.26
56.00	40.00	41.88
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Fereira
09/16/22 02:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751298.d
Acq On : 14 Sep 2022 8:41 pm
Operator : joannel
Sample : FA98602-3MS 10X Inst : MSVOA16
Misc : MS52382,VI2691,,,,,10
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 01:19:56 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.335	96	671350	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	528412	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	270354	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.451	113	189938	50.61	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.22%			
49) 1,2-Dichloroethane-d4	8.037	65	214017	51.19	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.38%			
63) Toluene-d8	9.951	98	689629	48.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.46%			
86) 4-Bromofluorobenzene	12.731	174	222703	49.72	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.44%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.349	85	485	0.17	ug/L #	42
3) Chloromethane	2.702	50	3095	0.88	ug/L	96
4) Vinyl Chloride	2.855	62	6598	1.90	ug/L	93
5) 1,3-Butadiene	2.891	39	96715	33.45	ug/L	99
6) Bromomethane	3.385	94	10616	6.95	ug/L	96
9) Ethyl Ether	4.300	59	72754	24.21	ug/L	99
10) 1,2-Dichlorotrifluoroe...	4.556	67	115606	31.12	ug/L	98
11) 1,1-Dichloroethene	4.556	61	136452	29.55	ug/L	99
12) Ethanol	4.543	45	71964	392.11	ug/L	96
13) Freon 113	4.617	101	95927	33.21	ug/L	95
14) Carbon Disulfide	4.598	76	211036	26.22	ug/L	99
15) Iodomethane	4.751	142	25759	12.71	ug/L	96
16) Acrolein	5.013	56	119341	97.71	ug/L	99
17) Allyl chloride	5.196	41	98709	25.38	ug/L	98
18) Methylene Chloride	5.330	49	148181	28.22	ug/L	97
19) Acetone	5.391	43	316077	117.55	ug/L	99
20) Methyl acetate	5.549	43	740558	146.44	ug/L	99
21) trans-1,2-Dichloroethene	5.555	61	125008	28.61	ug/L	96
22) Hexane	5.659	56	57439m	28.06	ug/L	
23) Methyl Tert Butyl Ether	5.690	73	223616	26.05	ug/L	89
24) Tert butyl alcohol	5.812	59	487588	255.93	ug/L	99
25) Acetonitrile	5.958	41	225257	194.47	ug/L	98
26) Di-isopropyl ether	6.153	45	274193	26.01	ug/L	95
27) Chloroprene	6.281	53	98206	123.12	ug/L	97
28) 1,1-Dichloroethane	6.299	63	163318	29.86	ug/L	100
29) Acrylonitrile	6.342	53	301128	125.78	ug/L	98
30) ETBE	6.580	59	258612	25.33	ug/L	96
31) Vinyl acetate	6.580	43	834058	125.18	ug/L	98
32) cis-1,2-Dichloroethene	6.945	96	148200	51.65	ug/L	97
33) 2,2-Dichloropropane	7.061	77	109469	24.72	ug/L	96
34) Bromochloromethane	7.177	128	36330	28.80	ug/L	97
35) Cyclohexane	7.202	56	156248	30.24	ug/L	97
36) Chloroform	7.250	83	147763	28.35	ug/L	98
37) Ethyl acetate	7.360	43	788960	127.35	ug/L	100
38) Tetrahydrofuran	7.445	42	82720	25.53	ug/L	96
40) Carbon Tetrachloride	7.433	117	114433	29.72	ug/L	98
41) 1,1,1-Trichloroethane	7.494	97	131027	28.86	ug/L	99
42) 2-Butanone	7.573	43	516887	130.84	ug/L	98
43) 1,1-Dichloropropene	7.634	75	108848	29.01	ug/L	97
44) tert-Butyl Formate	7.732	59	288683	88.07	ug/L	96
45) Propionitrile	7.884	54	283804	203.83	ug/L	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751298.d
Acq On : 14 Sep 2022 8:41 pm
Operator : joannel
Sample : FA98602-3MS 10X Inst : MSVOA16
Misc : MS52382,VI2691,,,,,10
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 01:19:56 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Methacrylonitrile	7.915	41	750987	200.71	ug/L		98
47) Benzene	7.903	78	307646	28.02	ug/L		93
48) TAME	8.006	73	220412	26.86	ug/L		96
50) Isobutyl alcohol	8.092	42	176924	420.72	ug/L		99
51) 1,2-Dichloroethane	8.110	62	115327	27.09	ug/L		98
52) Tert Amyl Alcohol	8.195	59	404581	251.95	ug/L		97
53) Trichloroethene	8.531	95	209497	72.35	ug/L		99
54) Methylcyclohexane	8.537	83	122320	31.22	ug/L		98
55) Dibromomethane	8.976	93	49763	27.62	ug/L		96
56) 1,2-Dichloropropane	9.061	63	81578	26.04	ug/L		98
57) Bromodichloromethane	9.122	83	104687	28.47	ug/L		99
58) Methyl methacrylate	9.250	41	74228	20.11	ug/L		94
59) 1,4-Dioxane	9.317	88	60769	542.91	ug/L		98
60) 2-Chloroethyl vinyl ether	9.689	63	8259	3.42	ug/L		86
61) cis-1,3-Dichloropropene	9.762	75	108152	24.66	ug/L		97
64) Toluene	10.006	91	316504	26.74	ug/L		97
65) 2-Nitropropane	10.201	41	246753	133.46	ug/L		97
66) 4-Methyl-2-pentanone	10.335	43	848069	124.85	ug/L		100
67) trans-1,3-Dichloropropene	10.402	75	106989	28.50	ug/L		98
68) Tetrachloroethene	10.414	166	87359	27.66	ug/L		96
69) Ethyl methacrylate	10.524	69	77509	19.75	ug/L		95
70) 1,1,2-Trichloroethane	10.567	83	61968	27.55	ug/L		97
71) Dibromochloromethane	10.762	129	78329	25.94	ug/L		99
72) 1,3-Dichloropropane	10.847	76	113064	24.28	ug/L		99
73) 1,2-Dibromoethane	11.024	107	77111	26.62	ug/L		97
74) 3,3-dimethyl-1-butanol	11.121	57	1796786m	1119.62	ug/L		
75) 2-hexanone	11.164	43	736040	124.97	ug/L		99
76) 1-Chlorohexane	11.475	91	95737	27.62	ug/L		93
77) Ethylbenzene	11.536	91	354354	27.10	ug/L		100
78) Chlorobenzene	11.530	112	199028	26.99	ug/L		98
79) 1,1,1,2-Tetrachloroethane	11.585	131	76580	27.77	ug/L		96
80) m,p-Xylene	11.676	91	528678	54.12	ug/L		99
81) o-Xylene	12.115	91	260894	26.61	ug/L		99
82) Styrene	12.164	104	184641	26.86	ug/L		98
83) Bromoform	12.219	173	60619	27.13	ug/L		99
84) Isopropylbenzene	12.420	105	320605	27.36	ug/L		99
87) cis-1,4-Dichloro-2-butene	12.768	53	32488	16.88	ug/L		97
88) n-Propylbenzene	12.841	91	391018	27.80	ug/L		99
89) Bromobenzene	12.853	156	79281	25.32	ug/L		97
90) 1,1,2,2-Tetrachloroethane	12.902	83	130518	27.24	ug/L		97
91) 1,3,5-Trimethylbenzene	13.024	105	257685	26.64	ug/L		98
92) 2-Chlorotoluene	13.024	91	258935	27.21	ug/L		100
93) trans-1,4-Dichloro-2-B...	13.078	53	39051	22.34	ug/L		96
94) 1,2,3-Trichloropropane	13.054	110	38640	25.12	ug/L		98
95) Cyclohexanone	13.115	55	63319	114.28	ug/L		99
96) 4-Chlorotoluene	13.194	91	222531	26.53	ug/L		99
97) tert-Butylbenzene	13.365	91	145387	28.17	ug/L		96
98) 1,2,4-Trimethylbenzene	13.432	105	258799	27.53	ug/L		98
99) Pentachloroethane	13.408	167	40180	22.07	ug/L		97
100) sec-Butylbenzene	13.548	105	321642	29.55	ug/L		98
101) 4-Isopropyltoluene	13.682	119	271671	29.36	ug/L		99
102) 1,3-Dichlorobenzene	13.810	146	146142	27.24	ug/L		99
103) 1,2,3-Trimethylbenzene	13.895	105	273168	55.30	ug/L		98
104) 1,4-Dichlorobenzene	13.895	146	151972	25.82	ug/L		99
105) n-Butylbenzene	14.121	92	137581	27.10	ug/L		88
106) Benzyl Chloride	14.133	126	31992	21.00	ug/L	#	71
107) 1,2-Dichlorobenzene	14.334	146	138588	26.61	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751298.d
Acq On : 14 Sep 2022 8:41 pm
Operator : joannel
Sample : FA98602-3MS 10X Inst : MSVOA16
Misc : MS52382,VI2691,,,,,10
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 01:19:56 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	35510	25.13	ug/L	96
109) Hexachlorobutadiene	15.651	225	37248	29.63	ug/L	97
110) 1,2,4-Trichlorobenzene	15.700	180	85375	27.47	ug/L	94
111) Naphthalene	15.968	128	306795	27.02	ug/L	99
112) 1,2,3-Trichlorobenzene	16.133	180	84650	26.51	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

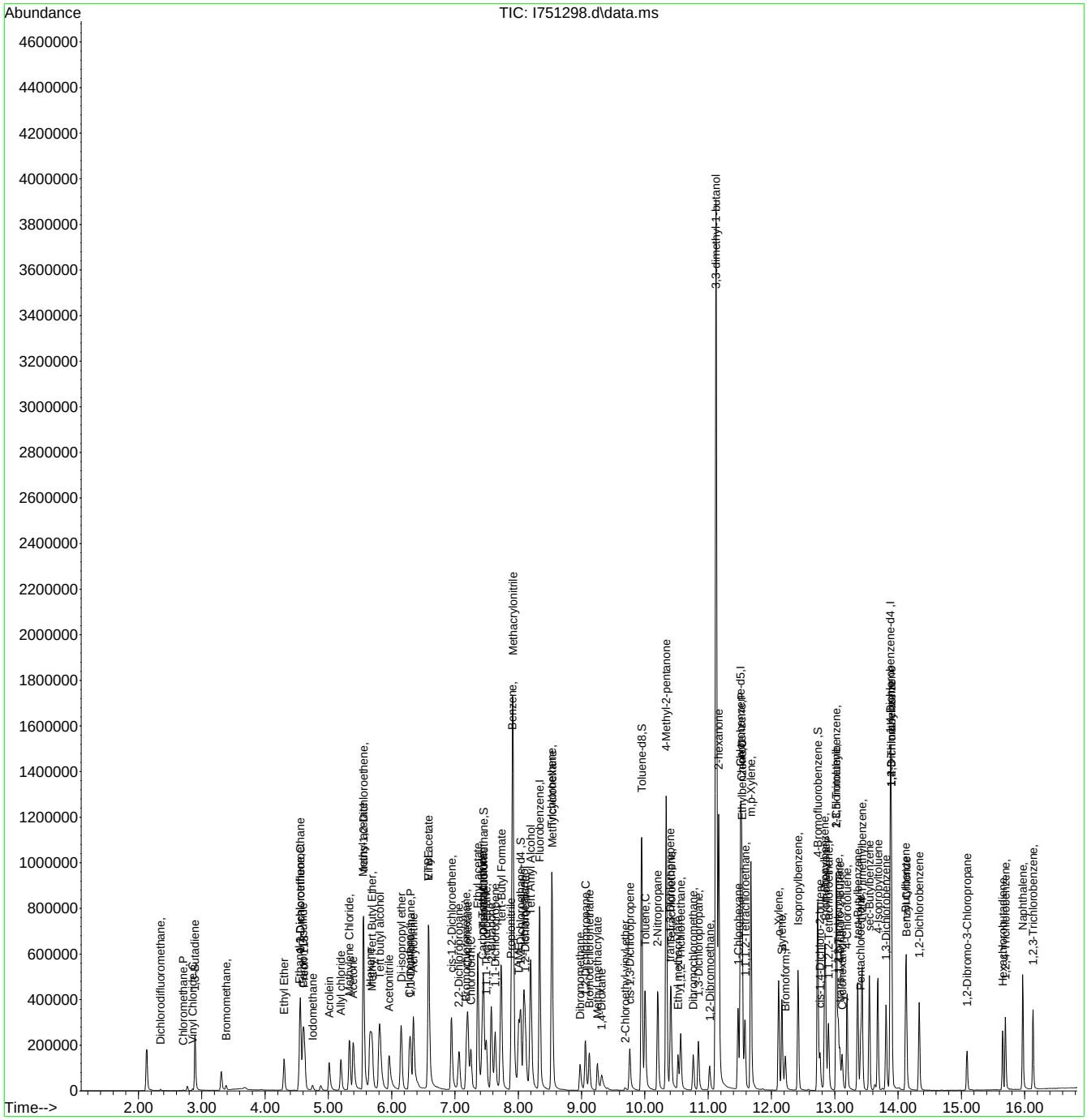
7.4.3

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751298.d
Acq On : 14 Sep 2022 8:41 pm
Operator : joannel
Sample : FA98602-3MS 10X Inst : MSVOA16
Misc : MS52382,VI2691,,,,,10
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 01:19:56 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration



Manual Integration Approval Summary

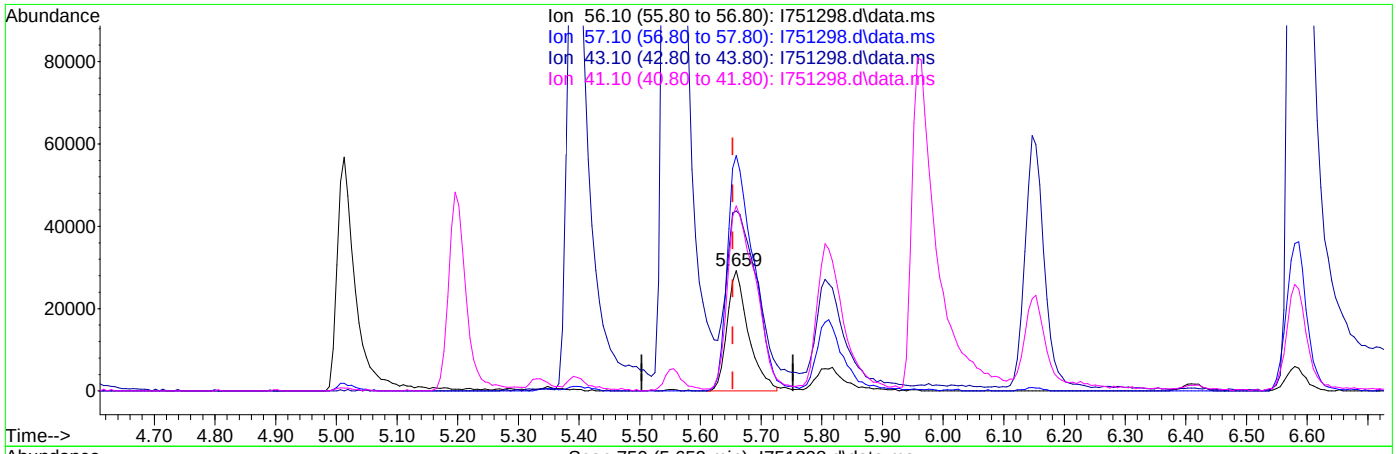
Sample Number: FA98602-3MS
Lab FileID: I751298.D
Injection Time: 09/14/22 20:41
Method: SW846 8260D
Analyst approved: 09/15/22 01:44 Jennifer Fereira
Supervisor approved: 09/16/22 02:49 Jennifer Fereira

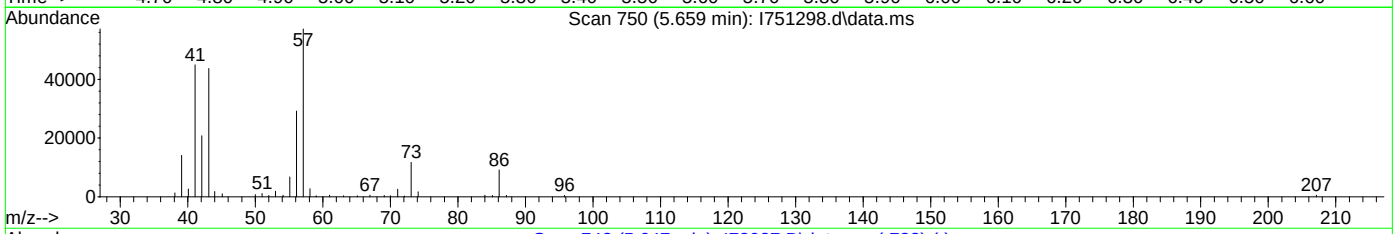
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.66	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.12	Overlapping peak

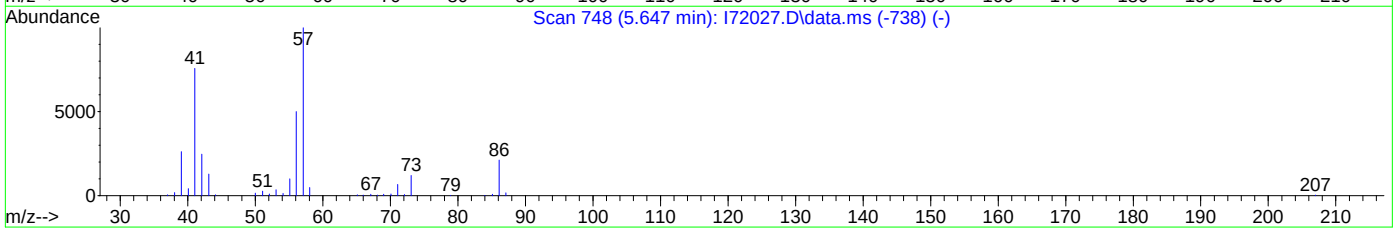
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751298.d
Acq On : 14 Sep 2022 8:41 pm
Operator : joannel
Sample : FA98602-3MS 10X Inst : MSVOA16
Misc : MS52382,VI2691,,,,,10
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 00:22:50 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration







TIC: I751298.d\data.ms

(22) Hexane

5.659min (+0.006) 34.86ug/L

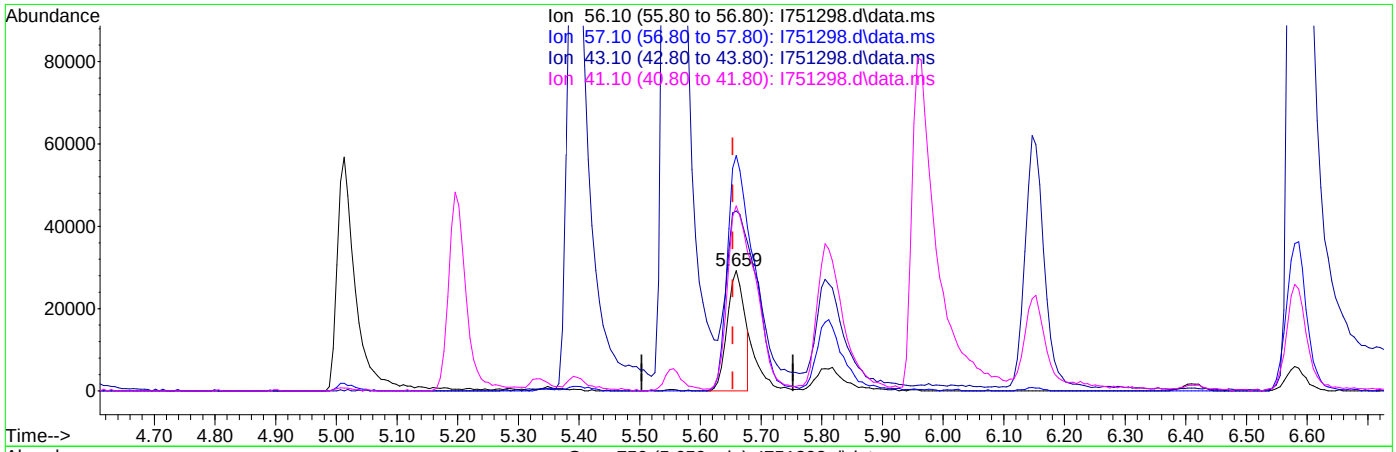
response 71361

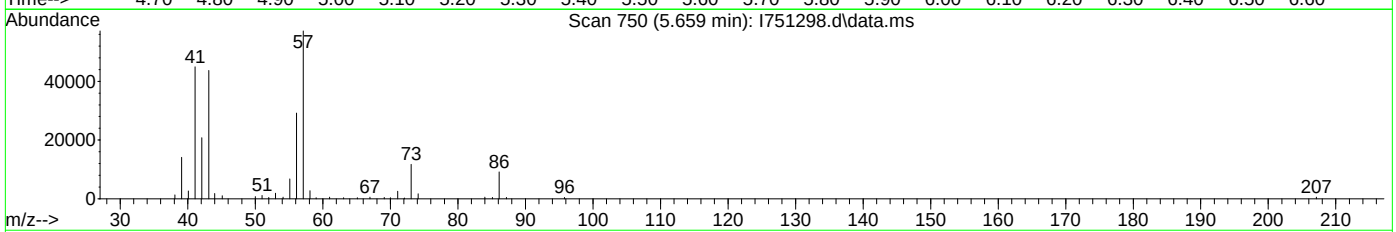
Ion	Exp%	Act%
56.10	100	100
57.10	194.30	195.95
43.10	141.80	127.96
41.10	145.50	152.14

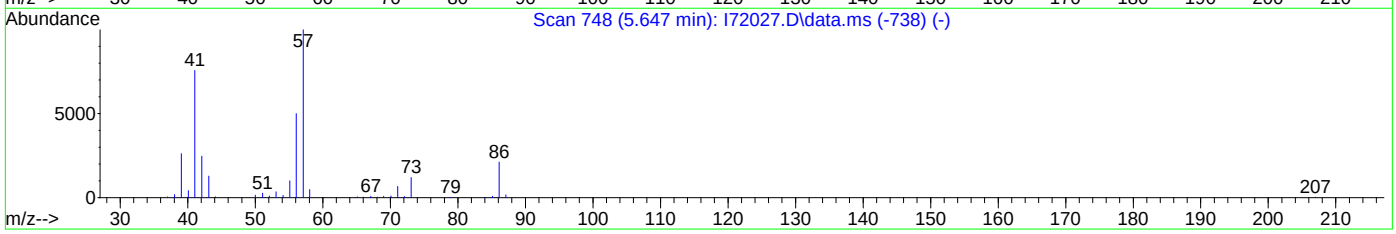
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751298.d
Acq On : 14 Sep 2022 8:41 pm
Operator : joannel
Sample : FA98602-3MS 10X Inst : MSVOA16
Misc : MS52382,VI2691,,,,,10
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 00:22:50 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration







TIC: I751298.d\data.ms

(22) Hexane

5.659min (+0.006) 28.06ug/L m

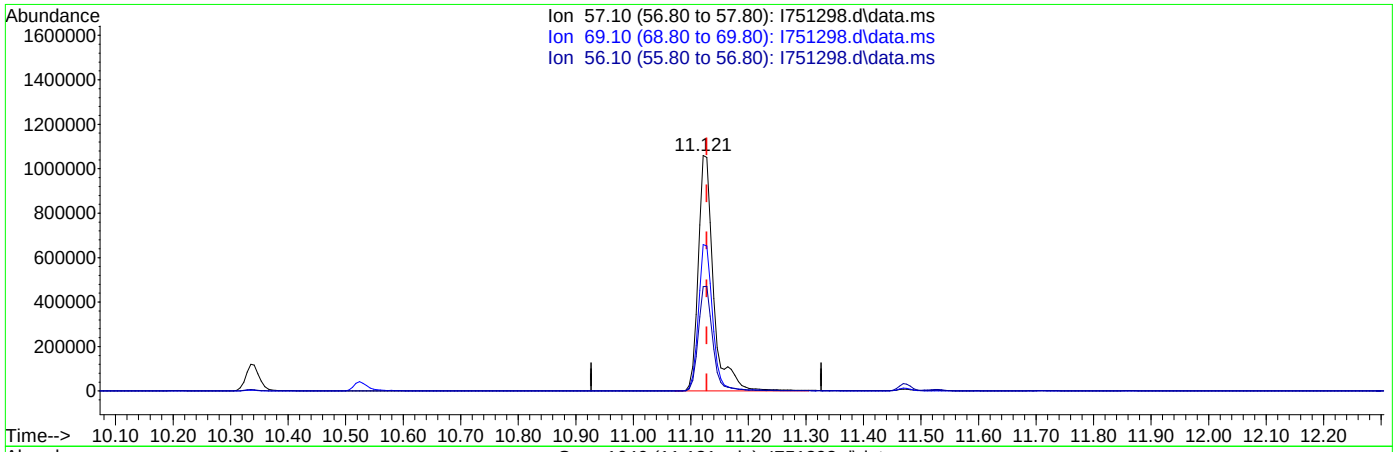
response 57439

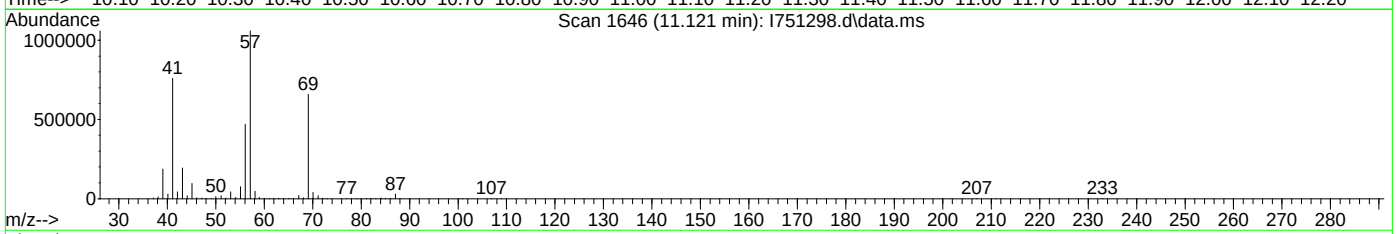
Ion	Exp%	Act%
56.10	100	100
57.10	194.30	195.95
43.10	141.80	149.70
41.10	145.50	153.86

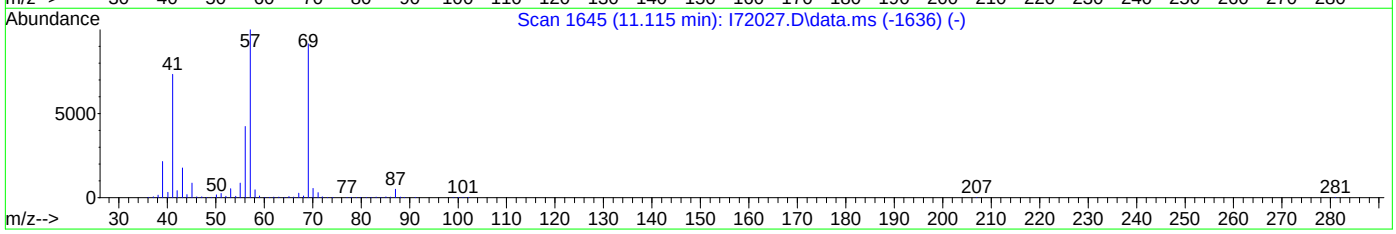
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751298.d
Acq On : 14 Sep 2022 8:41 pm
Operator : joannel
Sample : FA98602-3MS 10X Inst : MSVOA16
Misc : MS52382,VI2691,,,,,10
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 00:22:50 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration







TIC: I751298.d\data.ms

(74) 3,3-dimethyl-1-butanol

11.121min (-0.006) 1224.89ug/L

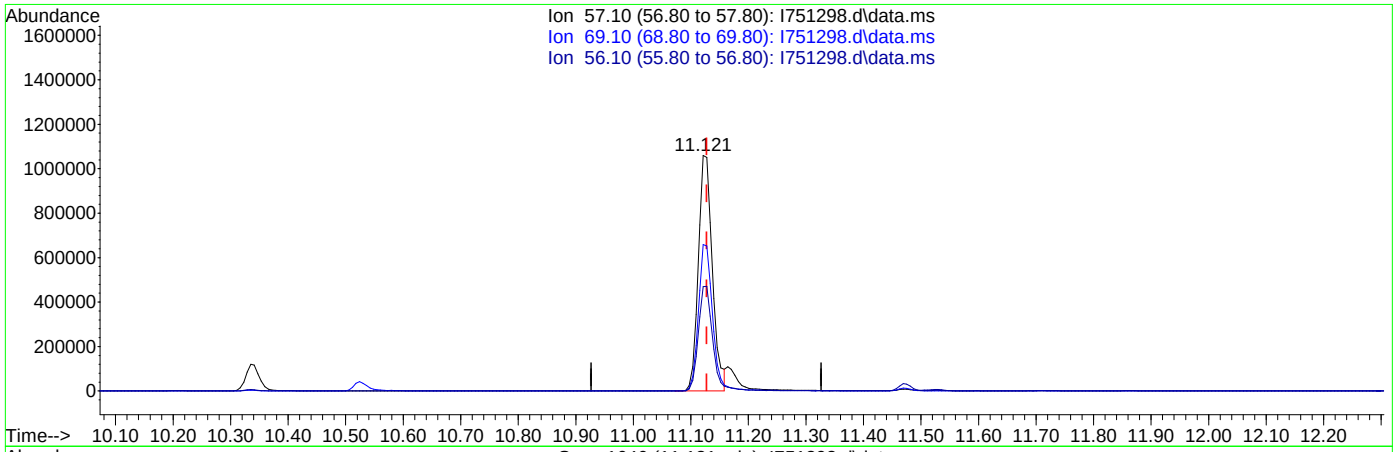
response 1966253

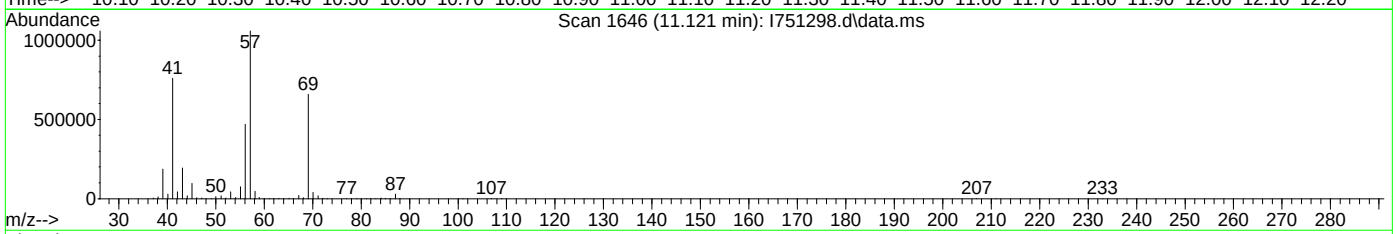
Ion	Exp%	Act%
57.10	100	100
69.10	62.60	62.16
56.10	44.90	44.27
0.00	0.00	0.00

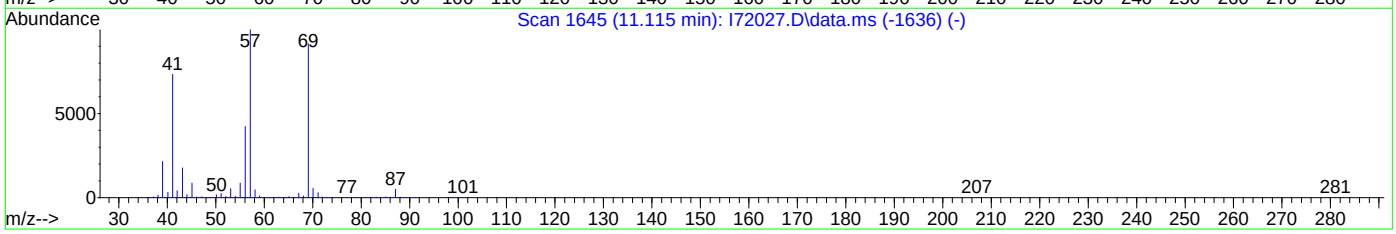
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751298.d
Acq On : 14 Sep 2022 8:41 pm
Operator : joannel
Sample : FA98602-3MS 10X Inst : MSVOA16
Misc : MS52382,VI2691,,,,,10
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 00:22:50 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration







TIC: I751298.d\data.ms

(74) 3,3-dimethyl-1-butanol

11.121min (-0.006) 1119.62ug/L m

response 1796786

Ion	Exp%	Act%
57.10	100	100
69.10	62.60	62.16
56.10	44.90	44.27
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Fereira 09/16/22 02:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751299.d
Acq On : 14 Sep 2022 9:05 pm
Operator : joannel
Sample : FA98602-3MSD 10X Inst : MSVOA16
Misc : MS52382,VI2691,,,,,10
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 01:20:29 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.341	96	717355	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	575417	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	291625	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.451	113	204314	50.95	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.90%			
49) 1,2-Dichloroethane-d4	8.037	65	227450	50.91	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.82%			
63) Toluene-d8	9.951	98	736154	47.77	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.54%			
86) 4-Bromofluorobenzene	12.731	174	237023	49.05	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.355	85	474	0.15	ug/L #	42
3) Chloromethane	2.714	50	3358	0.89	ug/L	94
4) Vinyl Chloride	2.861	62	6445	1.74	ug/L	99
5) 1,3-Butadiene	2.897	39	107564	34.88	ug/L	99
6) Bromomethane	3.391	94	11534	7.07	ug/L	93
9) Ethyl Ether	4.306	59	68369	21.29	ug/L	97
10) 1,2-Dichlorotrifluoroe...	4.562	67	110816	27.92	ug/L	98
11) 1,1-Dichloroethene	4.562	61	127539	25.84	ug/L	98
12) Ethanol	4.549	45	79828	407.75	ug/L	99
13) Freon 113	4.623	101	91116	29.52	ug/L	98
14) Carbon Disulfide	4.604	76	204261	23.75	ug/L	99
15) Iodomethane	4.757	142	37035	16.94	ug/L	93
16) Acrolein	5.019	56	137086	105.04	ug/L	94
17) Allyl chloride	5.202	41	111412	26.87	ug/L	99
18) Methylene Chloride	5.336	49	150353	26.80	ug/L	96
19) Acetone	5.397	43	310672	108.00	ug/L	97
20) Methyl acetate	5.555	43	691727	128.01	ug/L	99
21) trans-1,2-Dichloroethene	5.555	61	117220	25.11	ug/L	96
22) Hexane	5.665	56	55974m	25.59	ug/L	
23) Methyl Tert Butyl Ether	5.696	73	209034	22.79	ug/L	96
24) Tert butyl alcohol	5.811	59	444182	218.20	ug/L	97
25) Acetonitrile	5.964	41	251985	203.90	ug/L	97
26) Di-isopropyl ether	6.153	45	264316	23.46	ug/L	98
27) Chloroprene	6.281	53	112686	132.06	ug/L	98
28) 1,1-Dichloroethane	6.299	63	154662	26.47	ug/L	97
29) Acrylonitrile	6.348	53	309798	121.10	ug/L	98
30) ETBE	6.586	59	243602	22.33	ug/L	95
31) Vinyl acetate	6.586	43	859724	120.92	ug/L	100
32) cis-1,2-Dichloroethene	6.945	96	144193	47.03	ug/L	96
33) 2,2-Dichloropropane	7.067	77	102341	21.63	ug/L	99
34) Bromochloromethane	7.183	128	31965	23.71	ug/L	95
35) Cyclohexane	7.201	56	147943	26.79	ug/L	96
36) Chloroform	7.250	83	131330	23.58	ug/L	100
37) Ethyl acetate	7.360	43	805293	121.65	ug/L	99
38) Tetrahydrofuran	7.445	42	75242	21.73	ug/L	97
40) Carbon Tetrachloride	7.433	117	105606	25.66	ug/L	95
41) 1,1,1-Trichloroethane	7.494	97	123919	25.54	ug/L	99
42) 2-Butanone	7.573	43	500405	118.54	ug/L	99
43) 1,1-Dichloropropene	7.640	75	101046	25.20	ug/L	98
44) tert-Butyl Formate	7.732	59	294621	84.15	ug/L	96
45) Propionitrile	7.890	54	311776	209.56	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751299.d
Acq On : 14 Sep 2022 9:05 pm
Operator : joannel
Sample : FA98602-3MSD 10X Inst : MSVOA16
Misc : MS52382,VI2691,,,,,10
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 01:20:29 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Methacrylonitrile	7.915	41	847285	211.92	ug/L		99
47) Benzene	7.902	78	288432	24.59	ug/L		98
48) TAME	8.012	73	208632	23.79	ug/L		98
50) Isobutyl alcohol	8.091	42	192854	429.19	ug/L		97
51) 1,2-Dichloroethane	8.116	62	109557	24.08	ug/L		96
52) Tert Amyl Alcohol	8.195	59	370206	215.76	ug/L		99
53) Trichloroethene	8.530	95	203605	65.93	ug/L		99
54) Methylcyclohexane	8.537	83	115961	27.69	ug/L		98
55) Dibromomethane	8.975	93	47589	24.72	ug/L		93
56) 1,2-Dichloropropane	9.061	63	77503	23.15	ug/L		98
57) Bromodichloromethane	9.122	83	98248	25.01	ug/L		99
58) Methyl methacrylate	9.250	41	86441	21.92	ug/L		94
59) 1,4-Dioxane	9.317	88	56687	473.97	ug/L		96
60) 2-Chloroethyl vinyl ether	9.689	63	4583	1.77	ug/L		82
61) cis-1,3-Dichloropropene	9.762	75	102838	21.95	ug/L		97
64) Toluene	10.006	91	294458	22.85	ug/L		98
65) 2-Nitropropane	10.207	41	227665	113.08	ug/L		98
66) 4-Methyl-2-pentanone	10.335	43	849038	114.78	ug/L		99
67) trans-1,3-Dichloropropene	10.408	75	99321	24.30	ug/L		96
68) Tetrachloroethene	10.414	166	80375	23.37	ug/L		97
69) Ethyl methacrylate	10.524	69	90060	21.07	ug/L		98
70) 1,1,2-Trichloroethane	10.567	83	58712	23.97	ug/L		96
71) Dibromochloromethane	10.768	129	74907	22.78	ug/L		96
72) 1,3-Dichloropropane	10.847	76	106927	21.09	ug/L		99
73) 1,2-Dibromoethane	11.024	107	72580	23.01	ug/L		100
74) 3,3-dimethyl-1-butanol	11.127	57	1753665m	1003.78	ug/L		
75) 2-hexanone	11.164	43	725654	113.37	ug/L		99
76) 1-Chlorohexane	11.475	91	93462	24.76	ug/L		93
77) Ethylbenzene	11.536	91	332251	23.34	ug/L		99
78) Chlorobenzene	11.530	112	189626	23.61	ug/L		98
79) 1,1,1,2-Tetrachloroethane	11.579	131	70806	23.58	ug/L		97
80) m,p-Xylene	11.676	91	493919	46.44	ug/L		99
81) o-Xylene	12.115	91	250457	23.46	ug/L		98
82) Styrene	12.164	104	179435	23.97	ug/L		98
83) Bromoform	12.219	173	57055	23.45	ug/L		99
84) Isopropylbenzene	12.420	105	306733	24.04	ug/L		98
87) cis-1,4-Dichloro-2-butene	12.767	53	38730	18.68	ug/L		93
88) n-Propylbenzene	12.841	91	364284	24.01	ug/L		100
89) Bromobenzene	12.859	156	74527	22.06	ug/L		88
90) 1,1,2,2-Tetrachloroethane	12.902	83	121464	23.50	ug/L		99
91) 1,3,5-Trimethylbenzene	13.023	105	245280	23.51	ug/L		100
92) 2-Chlorotoluene	13.023	91	244476	23.82	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.084	53	37165	19.71	ug/L		87
94) 1,2,3-Trichloropropane	13.054	110	36301	21.88	ug/L		95
95) Cyclohexanone	13.115	55	64437	107.81	ug/L		98
96) 4-Chlorotoluene	13.194	91	209726	23.18	ug/L		98
97) tert-Butylbenzene	13.365	91	137976	24.85	ug/L		96
98) 1,2,4-Trimethylbenzene	13.432	105	242982	23.96	ug/L		99
99) Pentachloroethane	13.414	167	46379	23.61	ug/L		93
100) sec-Butylbenzene	13.548	105	307386	26.18	ug/L		99
101) 4-Isopropyltoluene	13.682	119	254987	25.54	ug/L		98
102) 1,3-Dichlorobenzene	13.810	146	135721	23.45	ug/L		97
103) 1,2,3-Trimethylbenzene	13.895	105	260078	48.81	ug/L		99
104) 1,4-Dichlorobenzene	13.895	146	144068	22.69	ug/L		98
105) n-Butylbenzene	14.121	92	127621	23.30	ug/L		88
106) Benzyl Chloride	14.133	126	29769	18.12	ug/L	#	52
107) 1,2-Dichlorobenzene	14.334	146	131228	23.36	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751299.d
Acq On : 14 Sep 2022 9:05 pm
Operator : joannel
Sample : FA98602-3MSD 10X Inst : MSVOA16
Misc : MS52382,VI2691,,,,,10
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 01:20:29 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

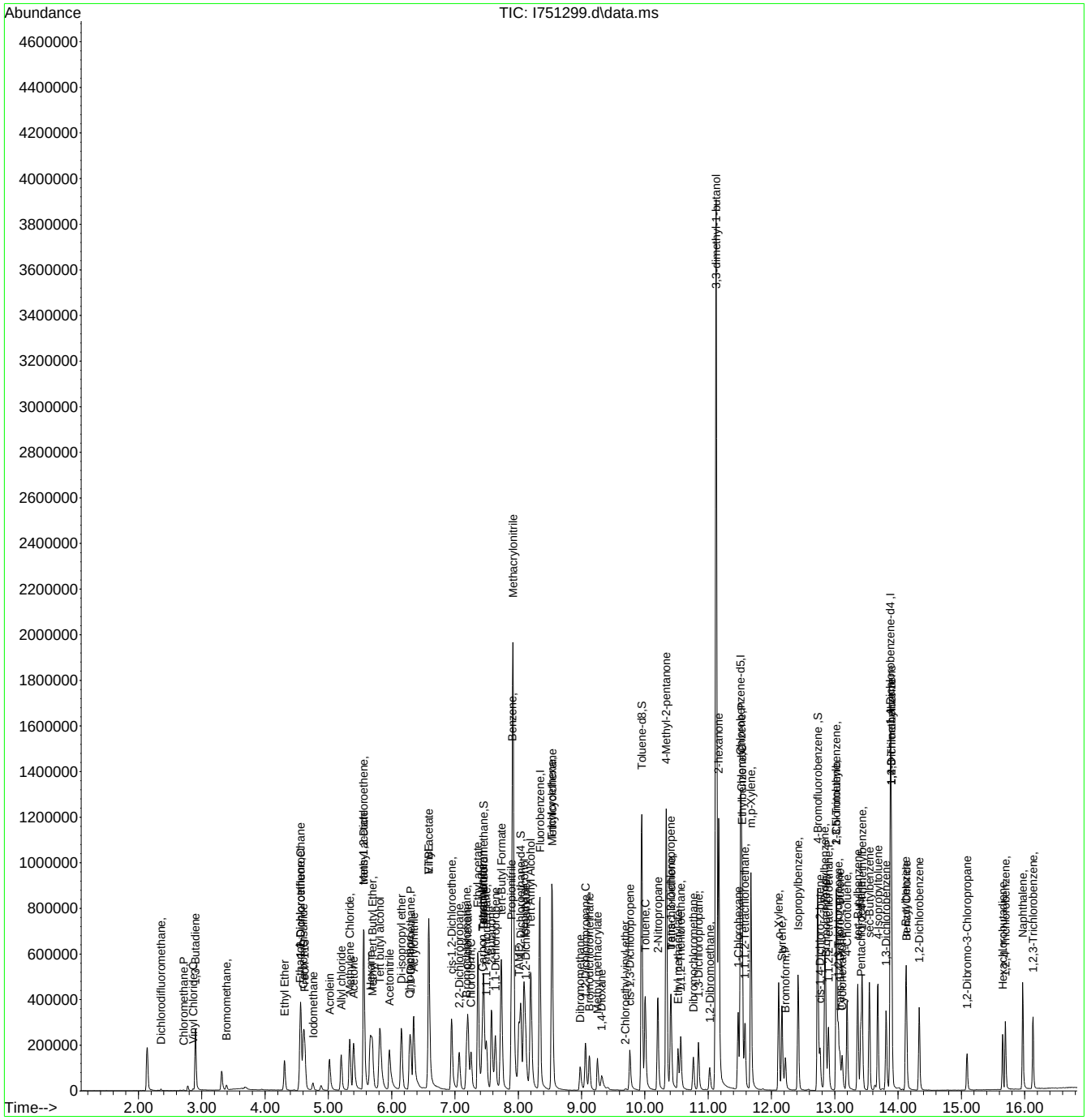
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	33442	21.94	ug/L	94
109) Hexachlorobutadiene	15.651	225	35475	26.22	ug/L	97
110) 1,2,4-Trichlorobenzene	15.694	180	79720	23.78	ug/L	96
111) Naphthalene	15.968	128	283649	23.16	ug/L	99
112) 1,2,3-Trichlorobenzene	16.133	180	80204	23.29	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751299.d
Acq On : 14 Sep 2022 9:05 pm
Operator : joannel
Sample : FA98602-3MSD 10X Inst : MSVOA16
Misc : MS52382,VI2691,,,,,10
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 01:20:29 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration



Manual Integration Approval Summary

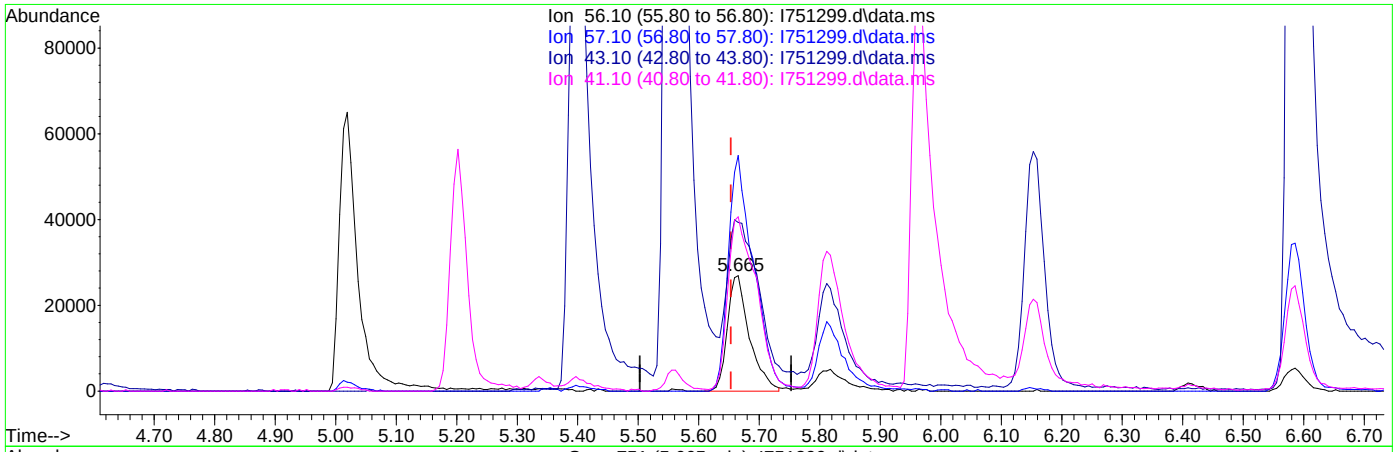
Sample Number: FA98602-3MSD
Lab FileID: I751299.D
Injection Time: 09/14/22 21:05
Method: SW846 8260D
Analyst approved: 09/15/22 01:44 Jennifer Fereira
Supervisor approved: 09/16/22 02:49 Jennifer Fereira

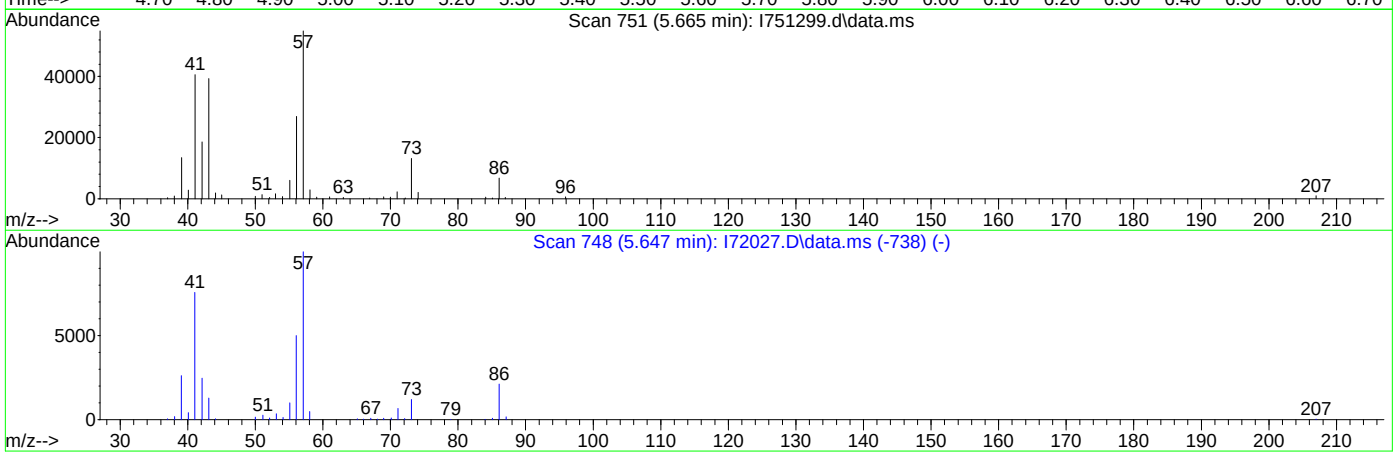
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.67	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.13	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751299.d
Acq On : 14 Sep 2022 9:05 pm
Operator : joannel
Sample : FA98602-3MSD 10X Inst : MSVOA16
Misc : MS52382,VI2691,,,,,10
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 00:22:55 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration





TIC: I751299.d\data.ms

(22) Hexane

5.665min (+0.012) 31.12ug/L

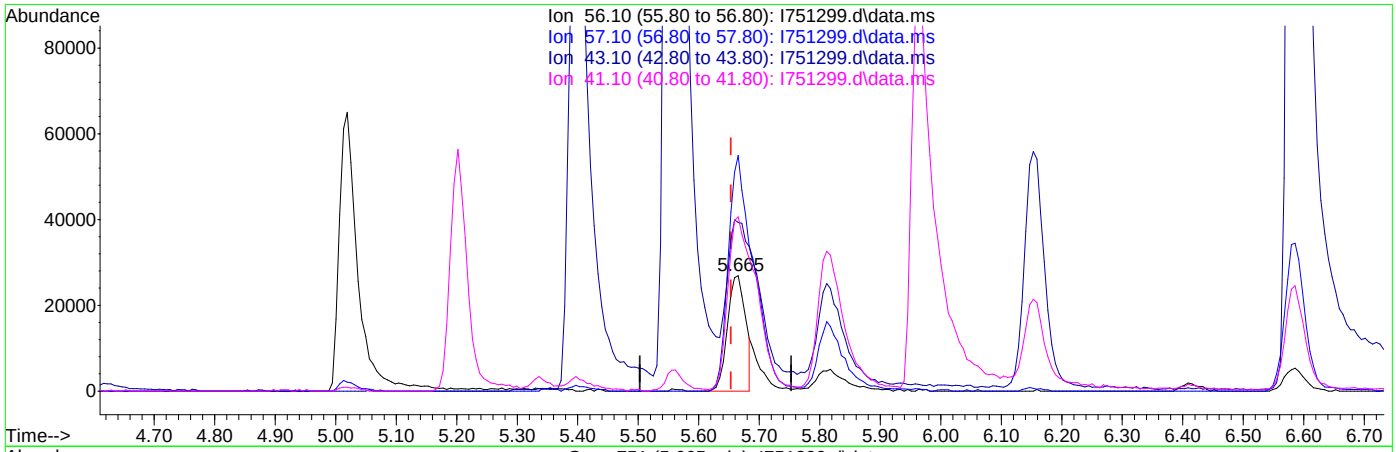
response 68057

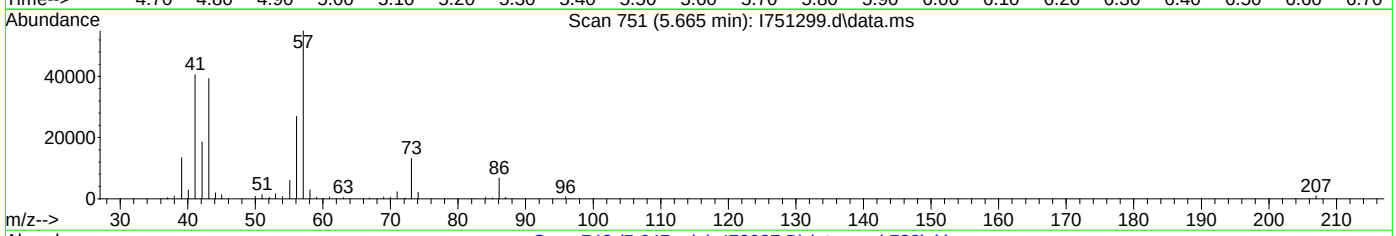
Ion	Exp%	Act%
56.10	100	100
57.10	194.30	204.04
43.10	141.80	124.39
41.10	145.50	149.22

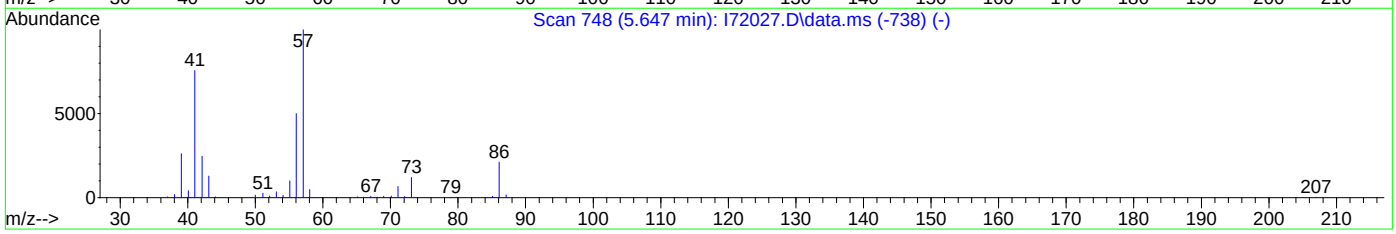
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751299.d
Acq On : 14 Sep 2022 9:05 pm
Operator : joannel
Sample : FA98602-3MSD 10X Inst : MSVOA16
Misc : MS52382,VI2691,,,,,10
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 00:22:55 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration







TIC: I751299.d\data.ms

(22) Hexane

5.665min (+0.012) 25.59ug/L m

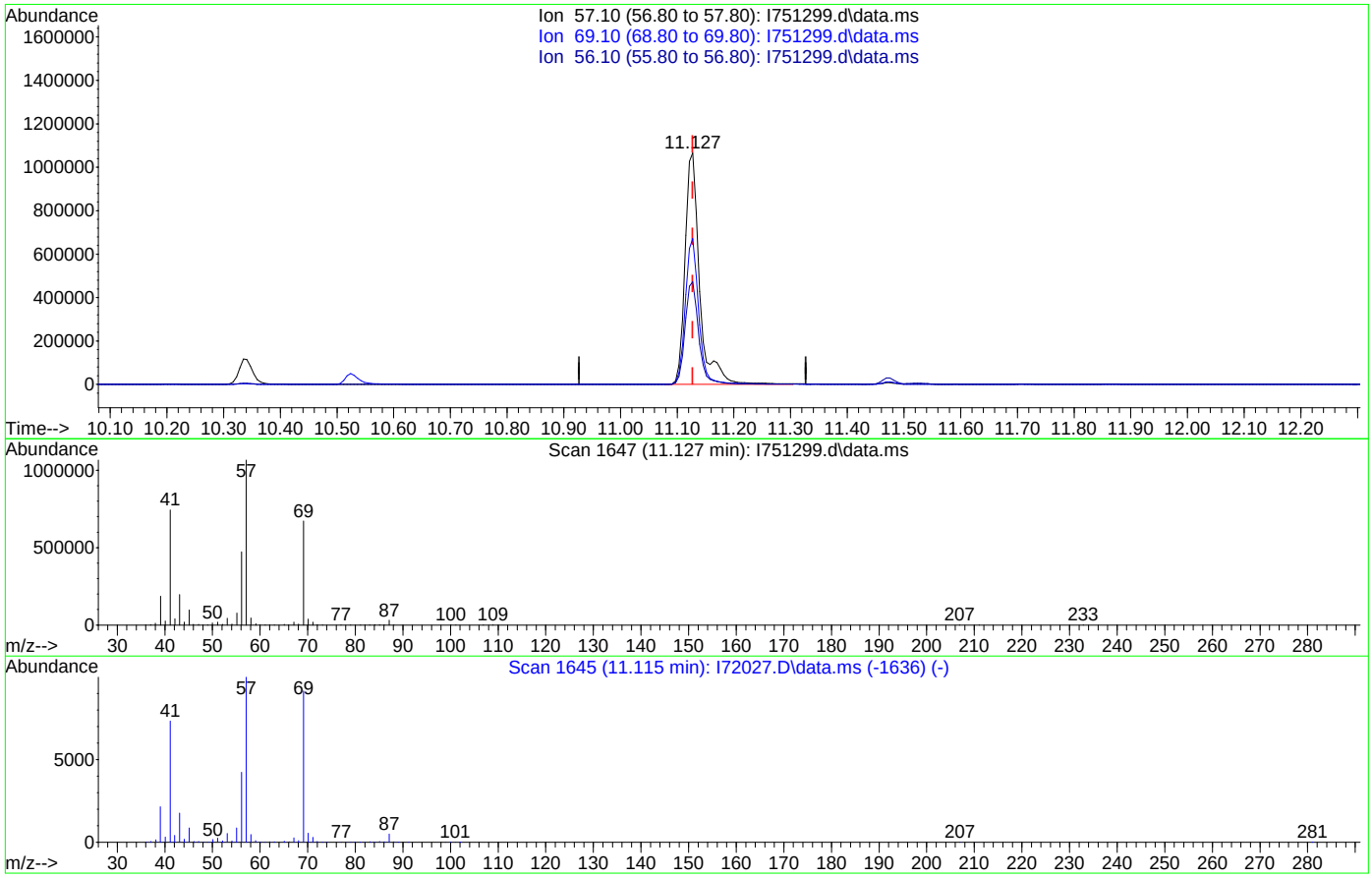
response 55974

Ion	Exp%	Act%
56.10	100	100
57.10	194.30	204.04
43.10	141.80	146.02
41.10	145.50	150.77

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751299.d
Acq On : 14 Sep 2022 9:05 pm
Operator : joannel
Sample : FA98602-3MSD 10X Inst : MSVOA16
Misc : MS52382,VI2691,,,,,10
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 00:22:55 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration



TIC: I751299.d\data.ms

(74) 3,3-dimethyl-1-butanol

11.127min (+0.000) 1101.95ug/L

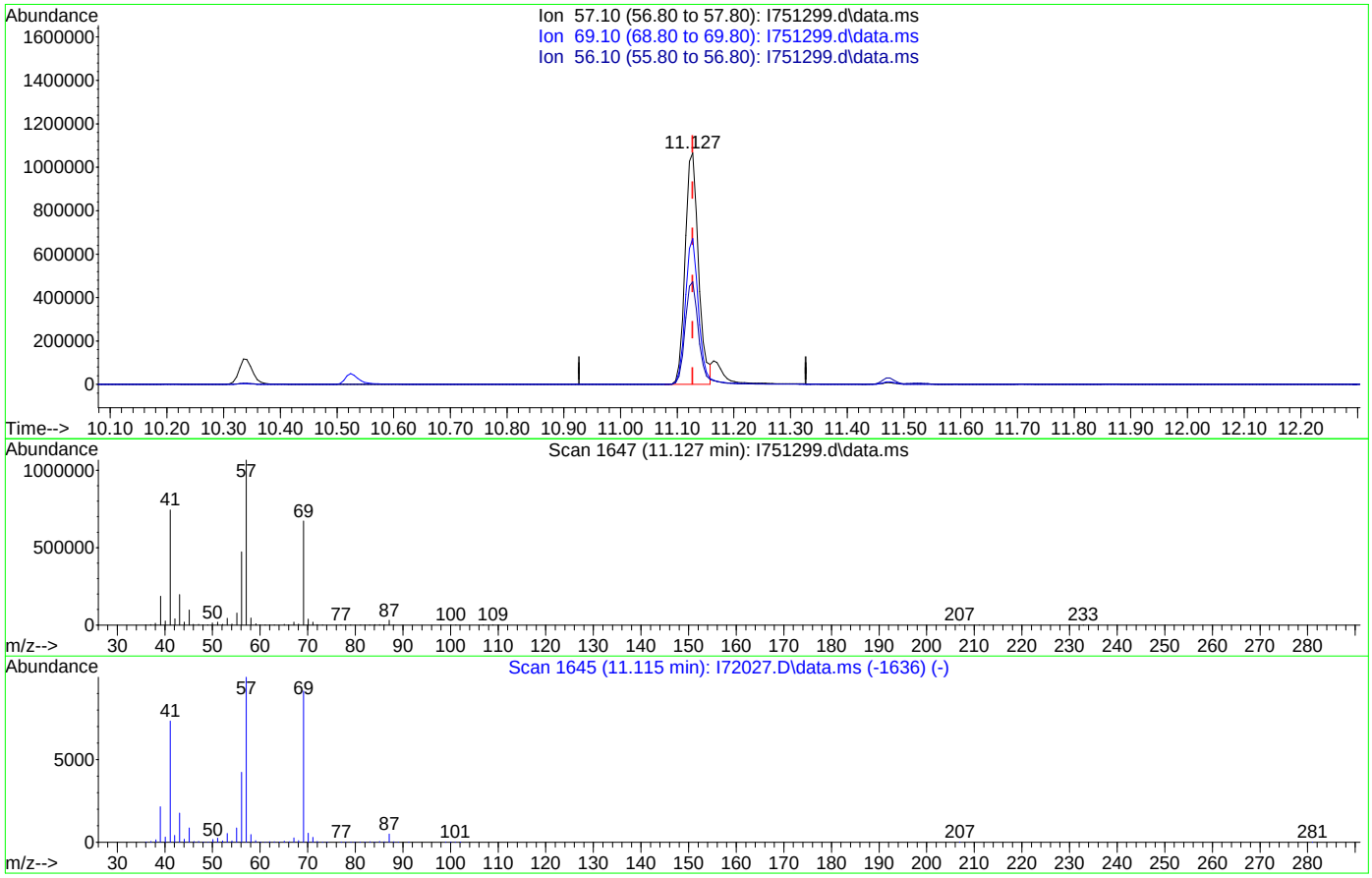
response 1925645

Ion	Exp%	Act%
57.10	100	100
69.10	62.60	63.03
56.10	44.90	44.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751299.d
Acq On : 14 Sep 2022 9:05 pm
Operator : joannel
Sample : FA98602-3MSD 10X Inst : MSVOA16
Misc : MS52382,VI2691,,,,,10
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 00:22:55 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration



TIC: I751299.d\data.ms

(74) 3,3-dimethyl-1-butanol

11.127min (+0.000) 1003.78ug/L m

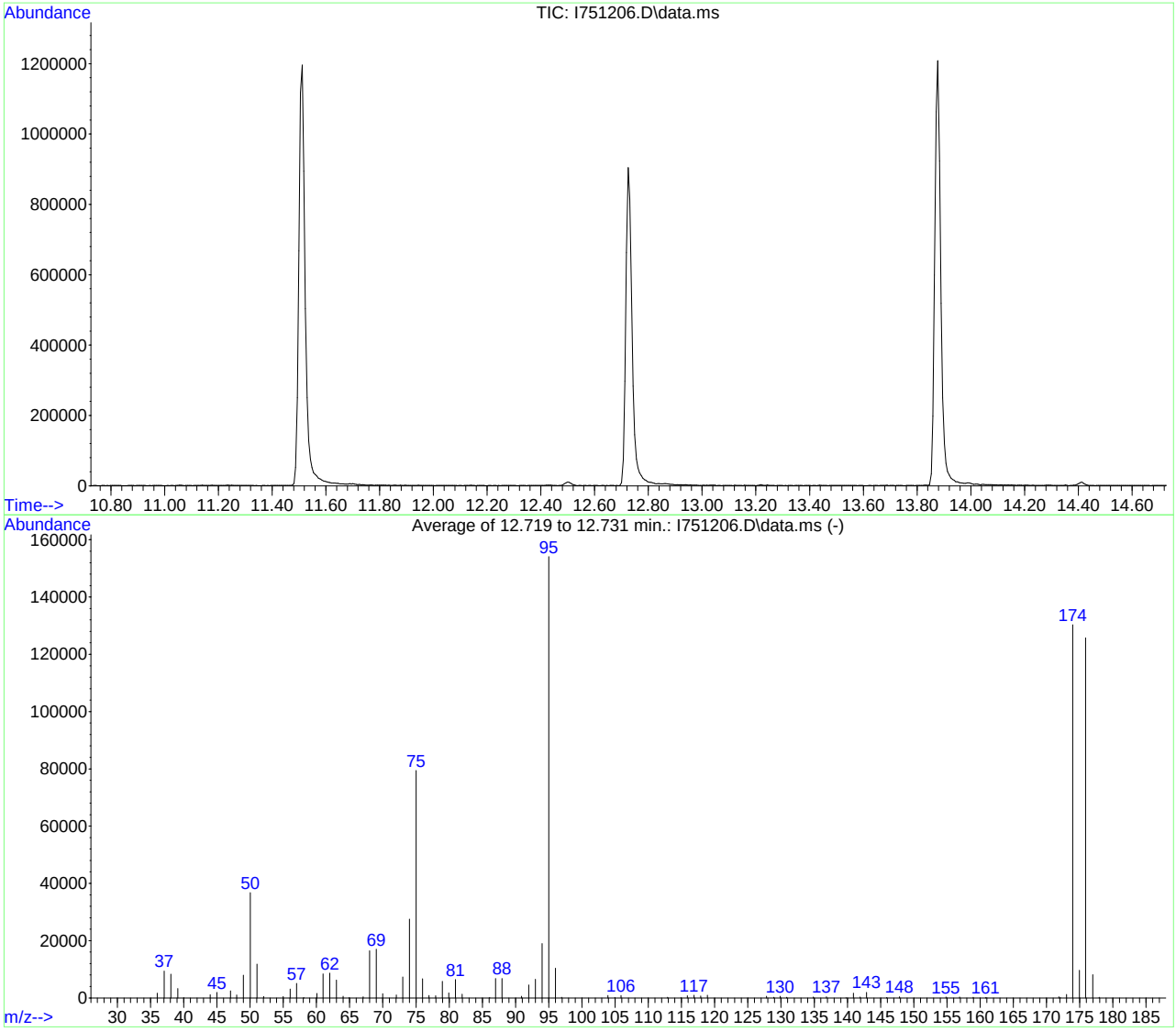
response 1753665

Ion	Exp%	Act%
57.10	100	100
69.10	62.60	63.03
56.10	44.90	44.35
0.00	0.00	0.00

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2022-09-09\I751206.D Vial: 1
Acq On : 9 Sep 2022 9:41 am Operator: joannel
Sample : BFB Inst : MSVOA16
Misc : MS52329,VI2688,,,,, Multiplr: 1.00
MS Integration Params: tiny.p

Method : C:\msdchem\1\met...22-09-09APP9-I.m (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1908, 1909, 1910; Background Corrected with Scan 1902

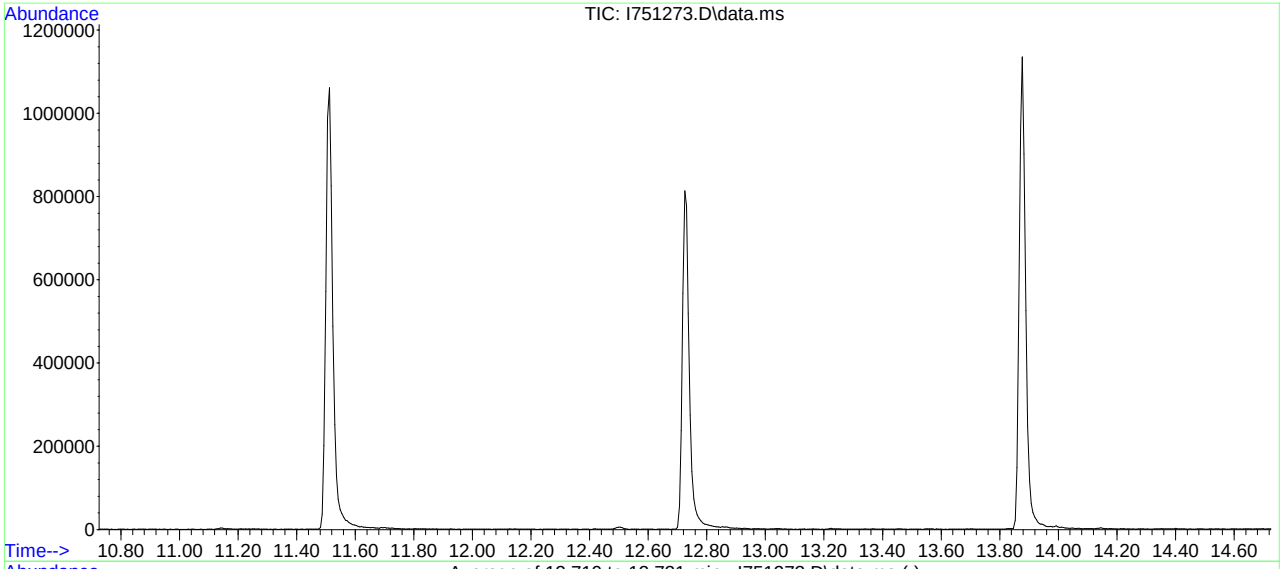
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.9	36773	PASS
75	95	30	60	51.6	79456	PASS
95	95	100	100	100.0	154091	PASS
96	95	5	9	6.8	10405	PASS
173	174	0.00	2	1.0	1251	PASS
174	95	50	100	84.6	130323	PASS
175	174	5	9	7.4	9619	PASS
176	174	95	101	96.5	125781	PASS
177	176	5	9	6.5	8117	PASS

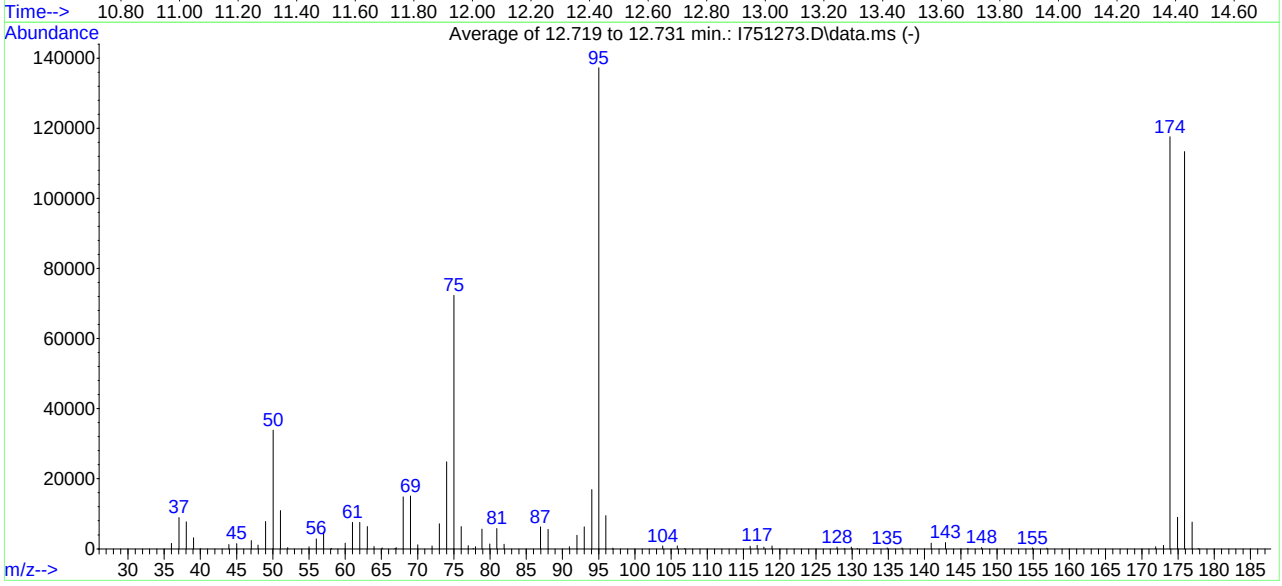
I751206.D 2022-09-09APP9-I.m Mon Sep 12 11:35:33 2022

Methods: SW-846 8260B

```
Data File : C:\msdchem\1\data\2022-09-14\I751273.D       Vial: 1
Acq On    : 14 Sep 2022  10:48 am                    Operator: joannel
Sample    : BFB                                      Inst    : MSVOA16
Misc      : MS52329,VI2691,,,,,                      Multiplr: 1.00
MS Integration Params: tiny.p

Method    : C:\msdchem\1\met...22-09-09APP9-I.m (RTE Integrator)
Title     : SW-846 Method 5035A/8260B
```





AutoFind: Scans 1908, 1909, 1910; Background Corrected with Scan 1902

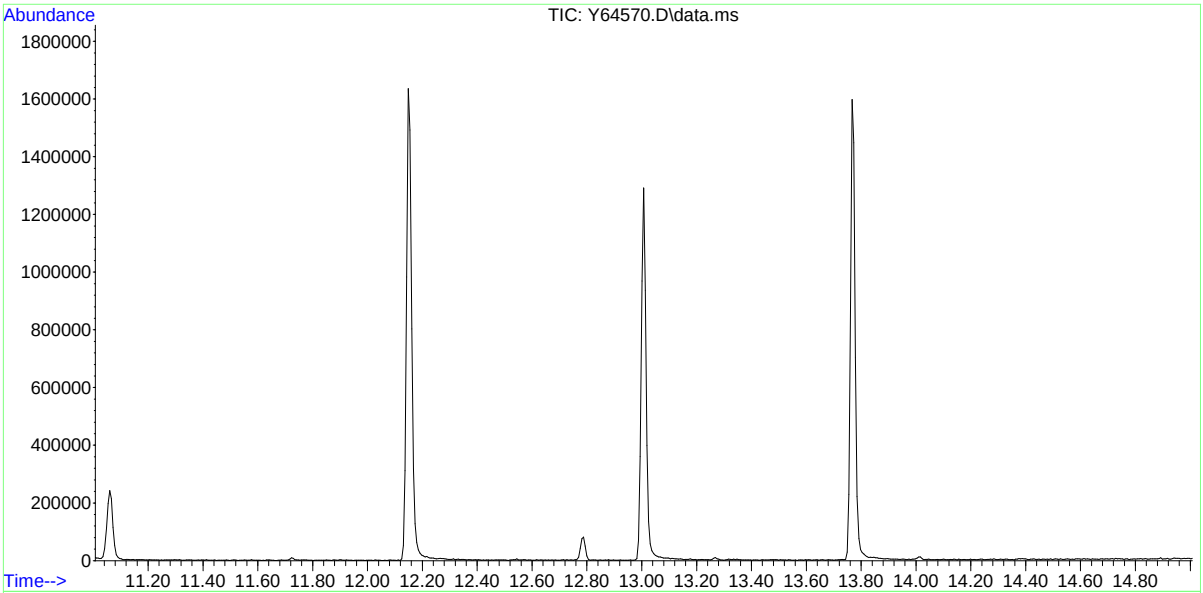
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.7	33832	PASS
75	95	30	60	52.7	72291	PASS
95	95	100	100	100.0	137229	PASS
96	95	5	9	6.9	9462	PASS
173	174	0.00	2	0.9	1004	PASS
174	95	50	100	85.7	117555	PASS
175	174	5	9	7.6	8987	PASS
176	174	95	101	96.4	113312	PASS
177	176	5	9	6.8	7673	PASS

I751273.D 2022-09-09APP9-I.m Wed Sep 14 12:02:07 2022

Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\2022-09-08\Y64570.D Vial: 2
Acq On : 8 Sep 2022 12:30 pm Operator: joannel
Sample : BFB Inst : MSVOA14-Y
Misc : MS52320,VY2677,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_09-08-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



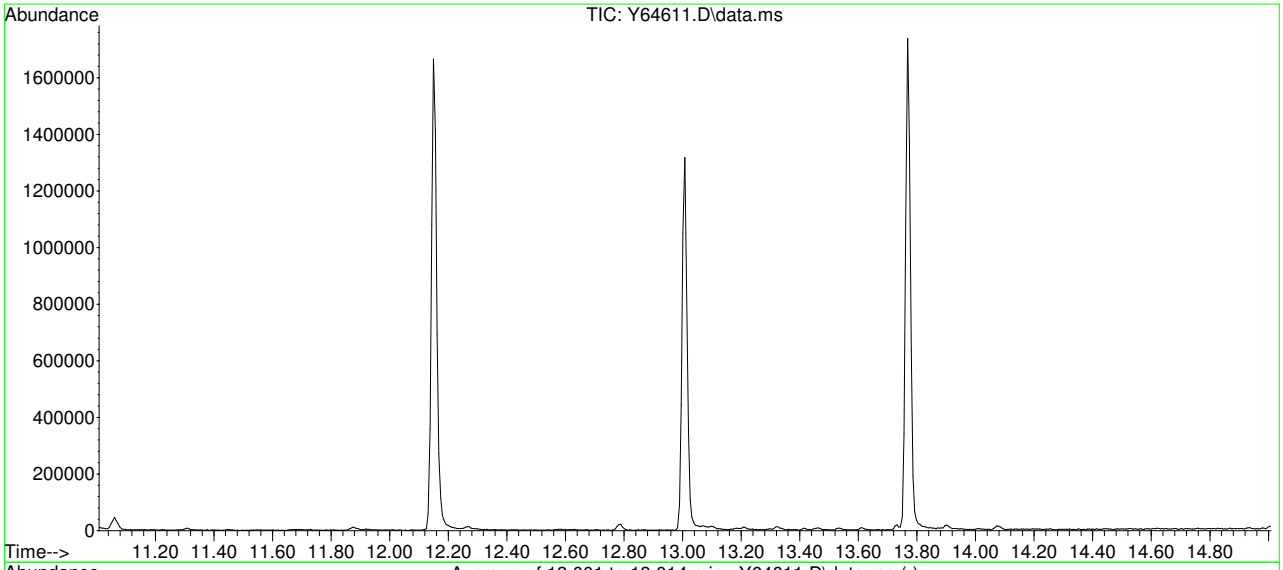
AutoFind: Scans 1835, 1836, 1837; Background Corrected with Scan 1829

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	39858	PASS
75	95	30	60	50.0	110458	PASS
95	95	100	100	100.0	221120	PASS
96	95	5	9	6.8	15092	PASS
173	174	0.00	2	0.6	1156	PASS
174	95	50	100	81.6	180416	PASS
175	174	5	9	7.1	12818	PASS
176	174	95	101	95.9	172949	PASS
177	176	5	9	6.3	10931	PASS

Y64570.D APPIX_09-08-2022_Y.M Mon Sep 12 10:31:39 2022

Methods: SW-846 8260B
Data File : C:\msdchem\1\data\jo...-2022\vy2680\Y64611.D Vial: 1
Acq On : 10 Sep 2022 10:34 am Operator: adeladl
Sample : BFB Inst : MSVOA14-Y
Misc : MS52320,VY2680,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...X_09-08-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1835, 1836, 1837; Background Corrected with Scan 1826

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	41504	PASS
75	95	30	60	48.4	108429	PASS
95	95	100	100	100.0	223936	PASS
96	95	5	9	7.0	15662	PASS
173	174	0.00	2	0.5	956	PASS
174	95	50	100	84.2	188565	PASS
175	174	5	9	7.2	13649	PASS
176	174	95	101	95.8	180629	PASS
177	176	5	9	6.5	11803	PASS

Y64611.D APPIX_09-08-2022_Y.M Mon Sep 12 20:21:21 2022

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/12/22 12:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751207.D
Acq On : 9 Sep 2022 10:05 am
Operator : joannel
Sample : IC2688-1
Misc : MS52329,VI2688,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 11:11:23 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.335	96	786329	50.00	ug/L		0.00
62) Chlorobenzene-d5	11.512	117	598469	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	290740	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	7.451	113	213792	49.20	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.40%			
49) 1,2-Dichloroethane-d4	8.037	65	242360	49.19	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	98.38%			
63) Toluene-d8	9.945	98	789396	48.37	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	96.74%			
86) 4-Bromofluorobenzene	12.731	174	238838	49.44	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.88%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.385	85	3954	1.08	ug/L		97
3) Chloromethane	2.708	50	6930	1.51	ug/L		91
4) Vinyl Chloride	2.855	62	4754	1.14	ug/L		95
5) 1,3-Butadiene	2.897	39	4740	1.47	ug/L		96
6) Bromomethane	3.385	94	4959	2.15	ug/L		97
7) Chloroethane	3.580	64	2803	1.27	ug/L	#	55
8) Trichlorofluoromethane	3.812	101	6229	1.12	ug/L		95
9) Ethyl Ether	4.300	59	4392	1.49	ug/L		83
10) 1,2-Dichlorotrifluoroe...	4.562	67	5269	1.54	ug/L		93
11) 1,1-Dichloroethene	4.562	61	5948	1.21	ug/L		85
12) Ethanol	4.519	45	7334	45.12	ug/L		87
13) Freon 113	4.629	101	3895	1.42	ug/L		96
14) Carbon Disulfide	4.604	76	11884	1.39	ug/L		97
15) Iodomethane	4.757	142	4196	1.17	ug/L		88
16) Acrolein	5.019	56	6752	5.53	ug/L		93
17) Allyl chloride	5.202	41	5325	1.23	ug/L		94
18) Methylene Chloride	5.336	49	44925	7.73	ug/L		98
19) Acetone	5.409	43	21565	8.63	ug/L		98
20) Methyl acetate	5.568	43	28845	6.00	ug/L		96
21) trans-1,2-Dichloroethene	5.561	61	5850	1.29	ug/L		95
22) Hexane	5.665	56	2741m	1.27	ug/L		
23) Methyl Tert Butyl Ether	5.696	73	11036	1.33	ug/L		65
24) Tert butyl alcohol	5.805	59	24267	14.60	ug/L		95
25) Acetonitrile	5.982	41	17733	17.26	ug/L		95
26) Di-isopropyl ether	6.153	45	12842	1.25	ug/L		87
27) Chloroprene	6.299	53	463	0.50	ug/L	#	38
28) 1,1-Dichloroethane	6.305	63	7389	1.30	ug/L		97
29) Acrylonitrile	6.397	53	13505	5.47	ug/L		92
30) ETBE	6.592	59	13189	1.27	ug/L		96
31) Vinyl acetate	6.634	43	15478m	2.14	ug/L		
32) cis-1,2-Dichloroethene	6.970	96	4240	1.43	ug/L		86
33) 2,2-Dichloropropane	7.067	77	5880	1.26	ug/L		96
34) Bromochloromethane	7.195	128	1330	1.02	ug/L	#	70
35) Cyclohexane	7.201	56	6818	1.28	ug/L		89
36) Chloroform	7.256	83	7064	1.31	ug/L		93
37) Ethyl acetate	7.384	43	32584	4.94	ug/L		95
38) Tetrahydrofuran	7.451	42	4591	1.53	ug/L		84
40) Carbon Tetrachloride	7.433	117	5060	1.23	ug/L		90
41) 1,1,1-Trichloroethane	7.494	97	6497	1.36	ug/L		94
42) 2-Butanone	7.610	43	19557	4.85	ug/L		100
43) 1,1-Dichloropropene	7.646	75	4725	1.18	ug/L		89
44) tert-Butyl Formate	7.732	59	15836	5.05	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751207.D
Acq On : 9 Sep 2022 10:05 am
Operator : joannel
Sample : IC2688-1
Misc : MS52329,VI2688,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 11:11:23 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) Propionitrile	7.909	54	15892	12.57 ug/L #	62
46) Methacrylonitrile	7.927	41	47883	12.97 ug/L	98
47) Benzene	7.915	78	15059	1.32 ug/L	97
48) TAME	8.012	73	11125	1.32 ug/L	96
50) Isobutyl alcohol	8.104	42	8871	23.48 ug/L #	76
51) 1,2-Dichloroethane	8.128	62	5308	1.20 ug/L	76
52) Tert Amyl Alcohol	8.201	59	19996	13.67 ug/L	95
53) Trichloroethene	8.549	95	4603	1.47 ug/L	81
54) Methylcyclohexane	8.537	83	5342	1.30 ug/L	94
55) Dibromomethane	8.994	93	1844	0.95 ug/L	83
56) 1,2-Dichloropropane	9.073	63	4055	1.24 ug/L	85
57) Bromodichloromethane	9.134	83	4506	1.15 ug/L	86
58) Methyl methacrylate	9.305	41	3272	0.80 ug/L	82
59) 1,4-Dioxane	9.341	88	2471	23.52 ug/L	76
60) 2-Chloroethyl vinyl ether	9.695	63	9606	3.69 ug/L	89
61) cis-1,3-Dichloropropene	9.774	75	5484	1.22 ug/L	96
64) Toluene	10.012	91	15998	1.26 ug/L	98
65) 2-Nitropropane	10.213	41	10694	5.95 ug/L	94
66) 4-Methyl-2-pentanone	10.347	43	39125	5.70 ug/L	95
67) trans-1,3-Dichloropropene	10.439	75	4057	1.03 ug/L	83
68) Tetrachloroethene	10.420	166	3827	1.07 ug/L	86
69) Ethyl methacrylate	10.548	69	3353	0.76 ug/L	80
70) 1,1,2-Trichloroethane	10.579	83	2311	0.94 ug/L	98
71) Dibromochloromethane	10.774	129	3356	1.04 ug/L	91
72) 1,3-Dichloropropane	10.859	76	5824	1.19 ug/L	86
73) 1,2-Dibromoethane	11.048	107	3140	1.02 ug/L	85
74) 3,3-dimethyl-1-butanol	11.127	57	64603m	42.91 ug/L	
75) 2-hexanone	11.182	43	26213	4.10 ug/L	87
76) 1-Chlorohexane	11.475	91	4440	1.11 ug/L	83
77) Ethylbenzene	11.548	91	17955	1.26 ug/L	97
78) Chlorobenzene	11.530	112	9400	1.17 ug/L	93
79) 1,1,1,2-Tetrachloroethane	11.585	131	3288	1.09 ug/L #	36
80) m,p-Xylene	11.682	91	25826	2.42 ug/L	98
81) o-Xylene	12.121	91	12500	1.18 ug/L	91
82) Styrene	12.194	104	7287	0.95 ug/L	93
83) Bromoform	12.237	173	2228	0.95 ug/L	95
84) Isopropylbenzene	12.426	105	15089	1.16 ug/L	97
87) cis-1,4-Dichloro-2-butene	12.786	53	1801	0.93 ug/L #	58
88) n-Propylbenzene	12.853	91	17814	1.18 ug/L	93
89) Bromobenzene	12.859	156	3857	1.17 ug/L	93
90) 1,1,2,2-Tetrachloroethane	12.908	83	5605	1.14 ug/L	96
91) 1,3,5-Trimethylbenzene	13.030	105	11590	1.10 ug/L	93
92) 2-Chlorotoluene	13.036	91	12885	1.29 ug/L	99
93) trans-1,4-Dichloro-2-B...	13.103	53	1765	0.95 ug/L #	59
94) 1,2,3-Trichloropropane	13.060	110	1818	1.15 ug/L	82
95) Cyclohexanone	13.127	55	3295	6.64 ug/L	90
96) 4-Chlorotoluene	13.206	91	10327	1.14 ug/L	96
97) tert-Butylbenzene	13.365	91	7594	1.27 ug/L	87
98) 1,2,4-Trimethylbenzene	13.444	105	11311	1.12 ug/L	95
99) Pentachloroethane	13.414	167	2095	1.07 ug/L #	80
100) sec-Butylbenzene	13.548	105	13996	1.13 ug/L	97
101) 4-Isopropyltoluene	13.682	119	10942	1.06 ug/L	91
102) 1,3-Dichlorobenzene	13.822	146	6675	1.18 ug/L	97
103) 1,2,3-Trimethylbenzene	13.901	105	6601	0.63 ug/L #	79
104) 1,4-Dichlorobenzene	13.895	146	8186	1.32 ug/L	91
105) n-Butylbenzene	14.133	92	5910	1.01 ug/L	95
106) Benzyl Chloride	14.157	126	1534	1.16 ug/L #	1
107) 1,2-Dichlorobenzene	14.346	146	6420	1.14 ug/L	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751207.D
Acq On : 9 Sep 2022 10:05 am
Operator : joannel
Sample : IC2688-1
Misc : MS52329,VI2688,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 11:11:23 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

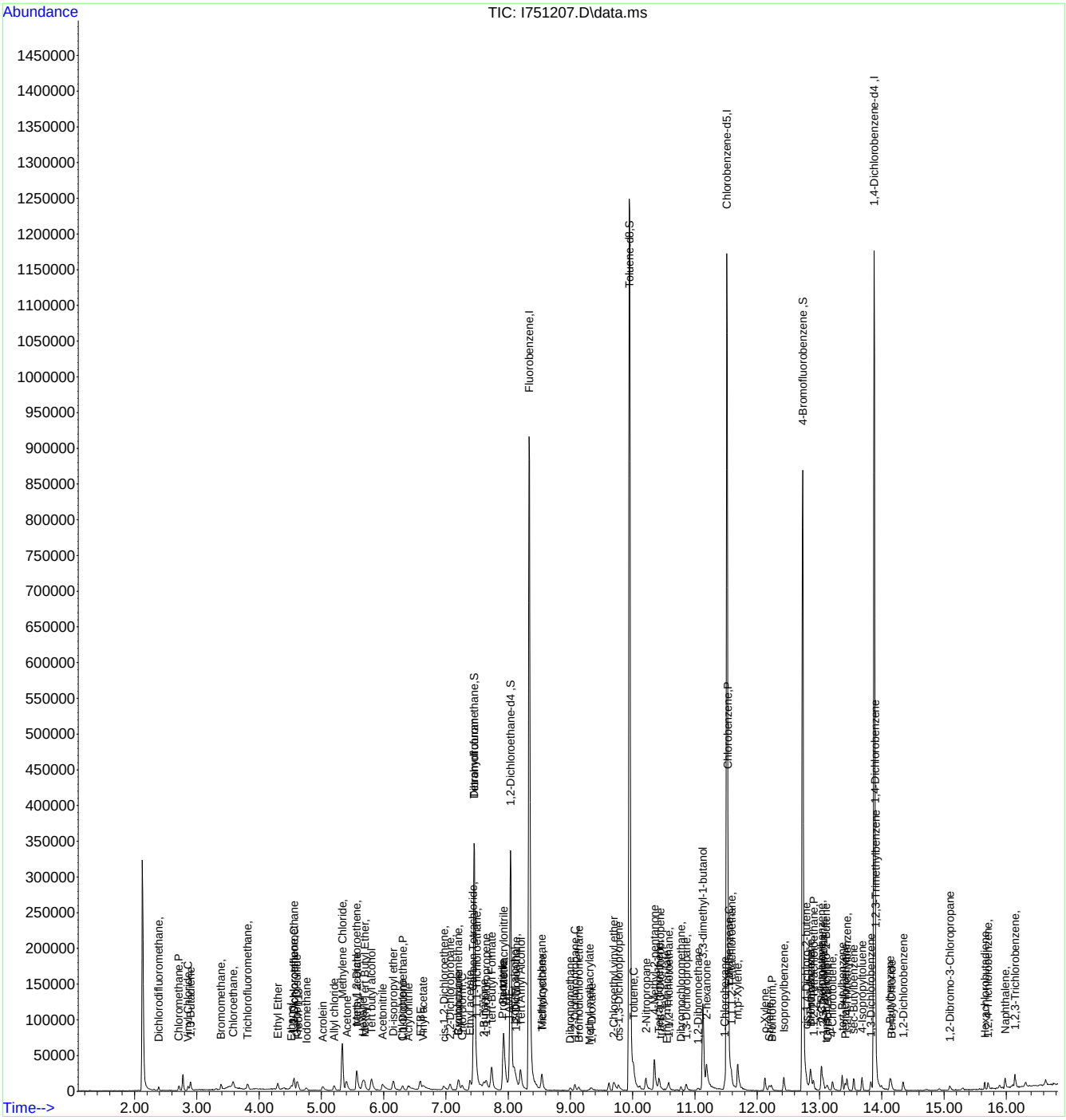
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.096	75	1612	1.10	ug/L	92
109) Hexachlorobutadiene	15.657	225	1903	1.11	ug/L	82
110) 1,2,4-Trichlorobenzene	15.706	180	3432	0.93	ug/L	88
111) Naphthalene	15.980	128	13201	1.06	ug/L	89
112) 1,2,3-Trichlorobenzene	16.139	180	4002	1.08	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751207.D
Acq On : 9 Sep 2022 10:05 am
Operator : joannel
Sample : IC2688-1
Misc : MS52329,VI2688,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 11:11:23 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration



Manual Integration Approval Summary

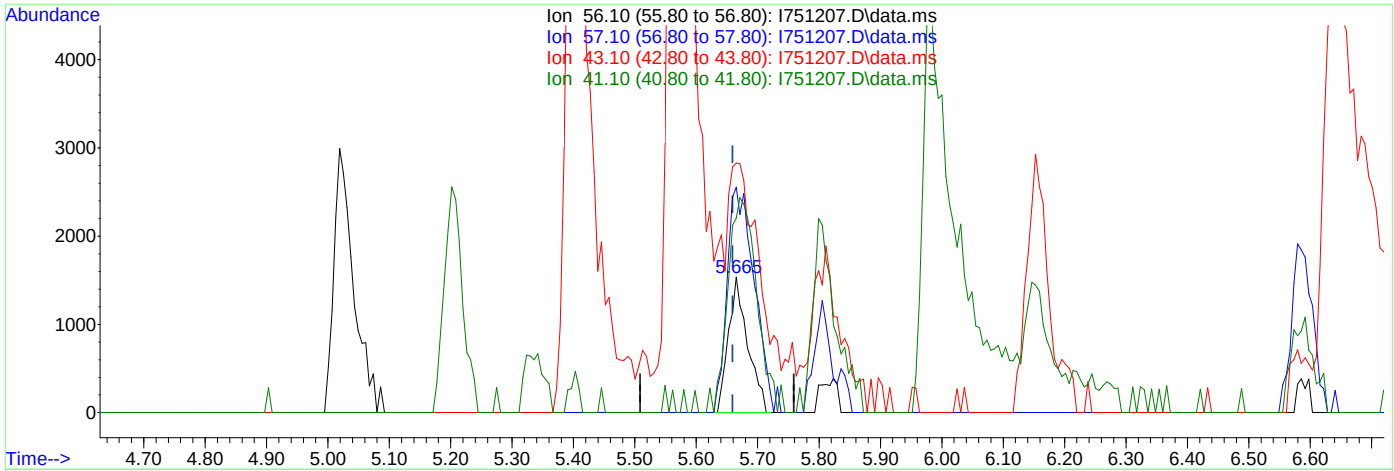
Sample Number: VI2688-IC2688
Lab FileID: I751207.D
Injection Time: 09/09/22 10:05
Method: SW846 8260D
Analyst approved: 09/12/22 11:43 Jo-Ann Lugo De Jesus
Supervisor approved: 09/12/22 12:46 Karen Watson

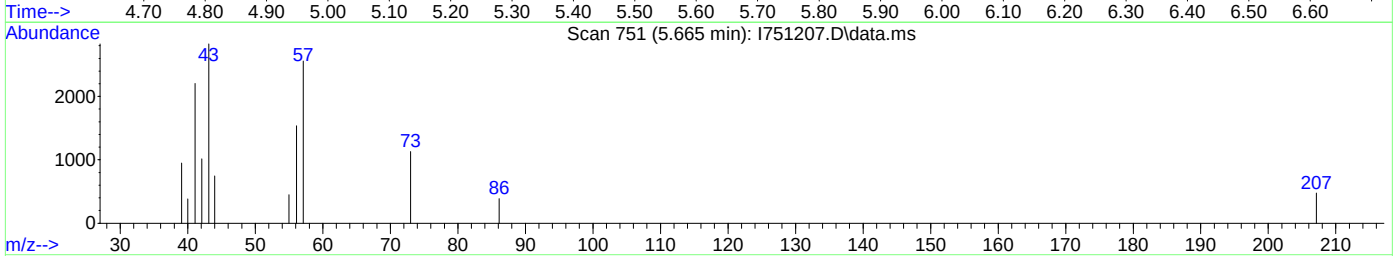
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.67	Overlapping peak
Vinyl Acetate	108-05-4		6.63	Poor instrument integration
3,3-Dimethyl-1-Butanol	624-95-3		11.13	Overlapping peak

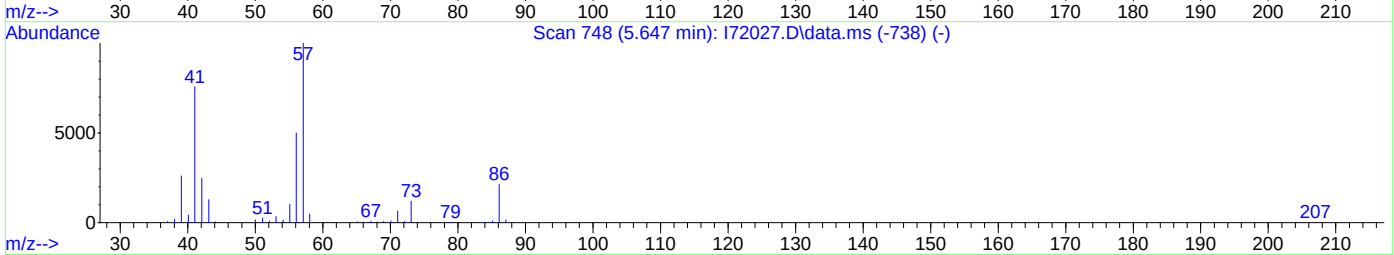
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751207.D
Acq On : 9 Sep 2022 10:05 am
Operator : joannel
Sample : IC2688-1
Misc : MS52329,VI2688,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 11:07:17 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration







TIC: I751207.D\data.ms

(22) Hexane

5.665min (+0.006) 1.56ug/L

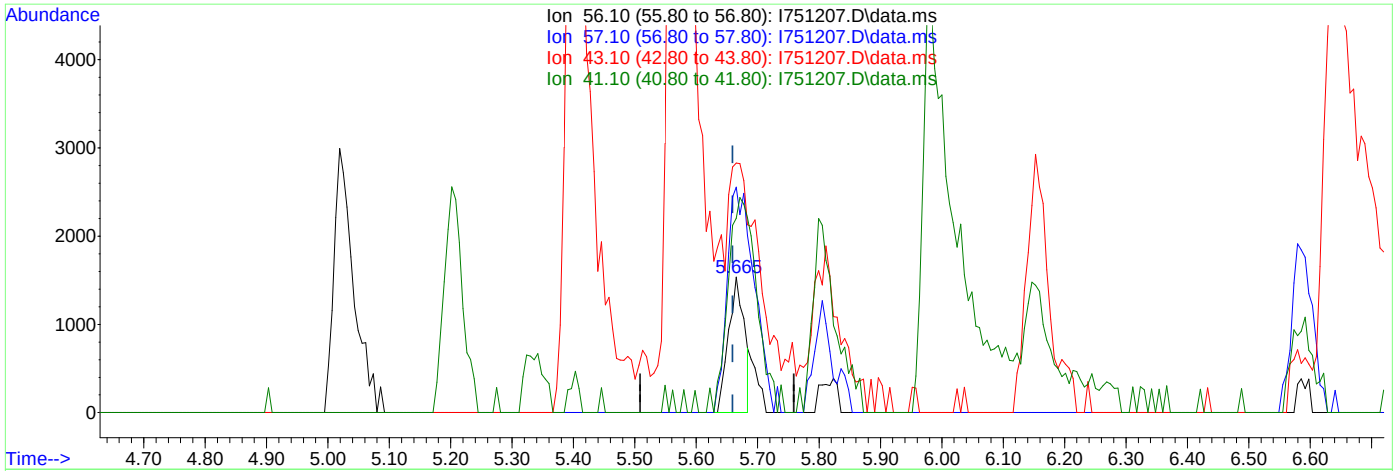
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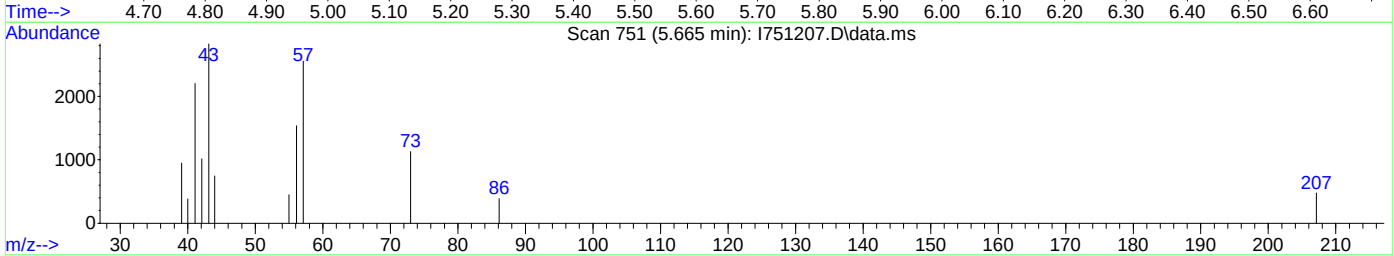
Ion	Exp%	Act%
56.10	100	100
57.10	202.30	166.51#
43.10	153.70	133.94
41.10	148.20	143.58

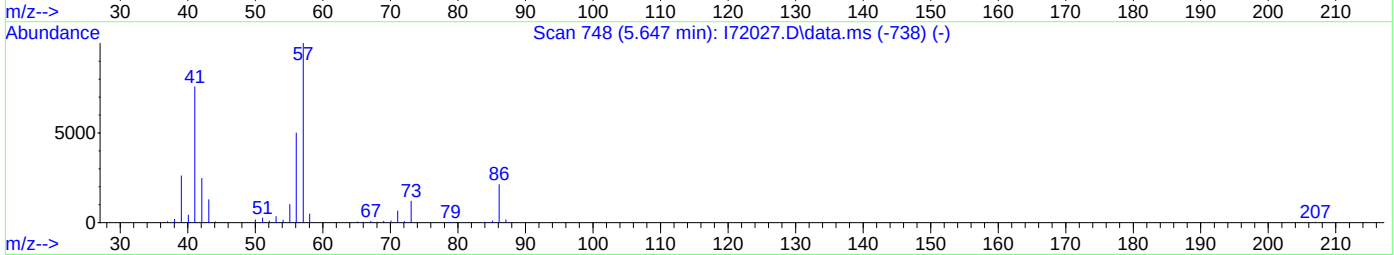
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751207.D
Acq On : 9 Sep 2022 10:05 am
Operator : joannel
Sample : IC2688-1
Misc : MS52329,VI2688,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 11:07:17 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration







TIC: I751207.D\data.ms

(22) Hexane

5.665min (+0.006) 1.27ug/L m

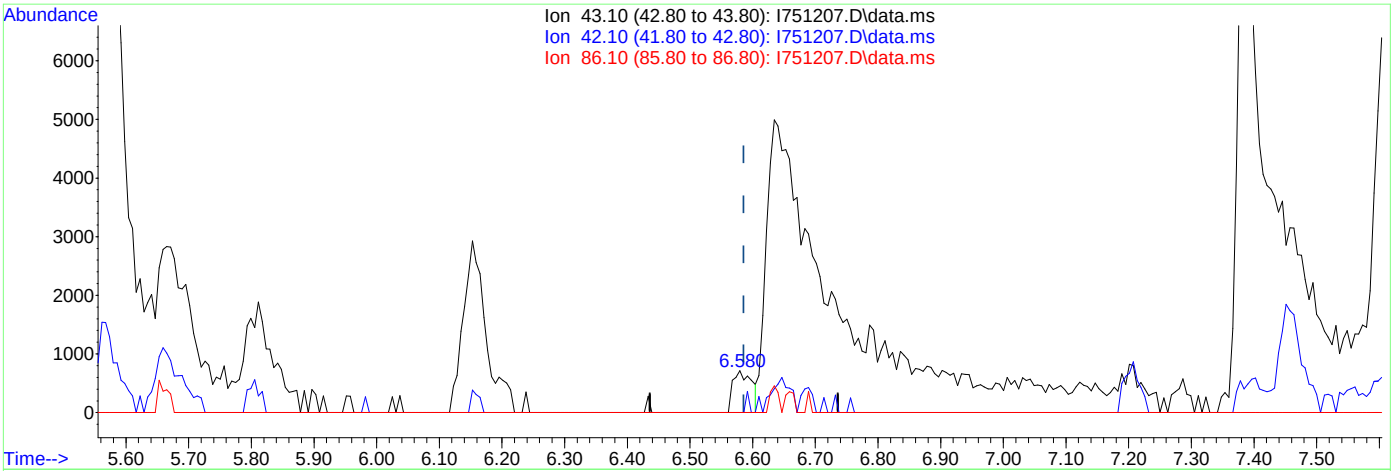
response 2741

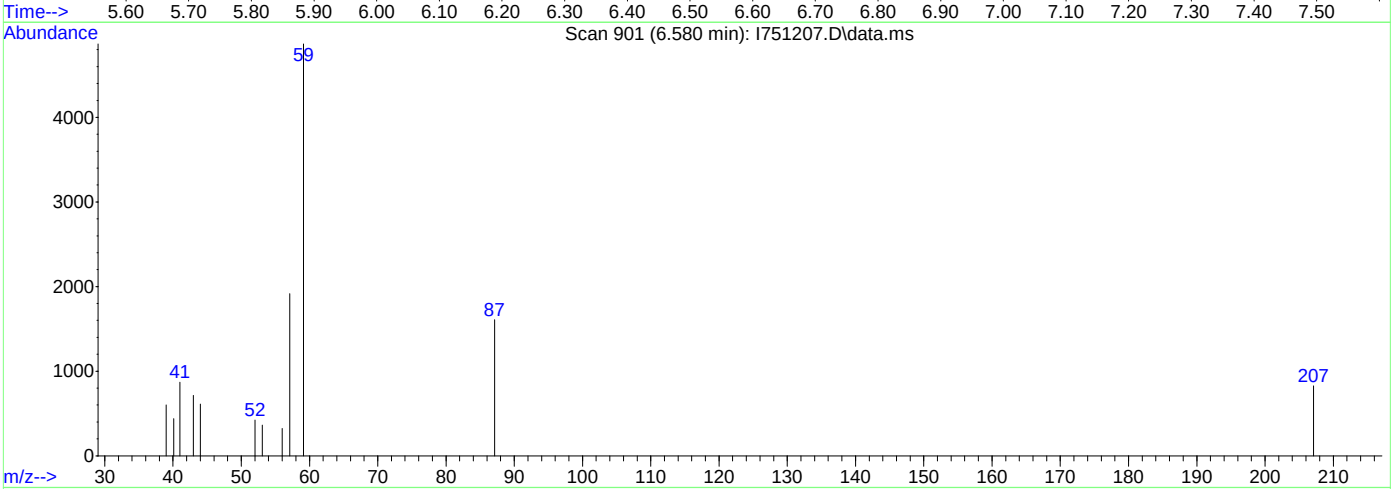
Ion	Exp%	Act%
56.10	100	100
57.10	202.30	166.51#
43.10	153.70	184.36#
41.10	148.20	143.58

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751207.D
Acq On : 9 Sep 2022 10:05 am
Operator : joannel
Sample : IC2688-1
Misc : MS52329,VI2688,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 11:09:03 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751207.D\data.ms

(31) Vinyl acetate

6.580min (-0.006) 0.21ug/L

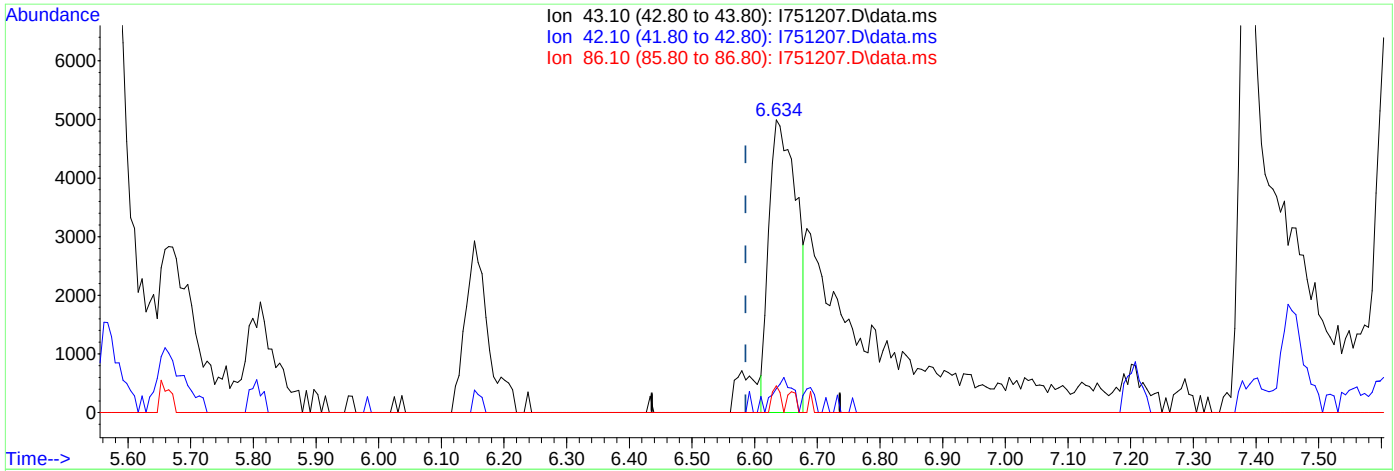
response 1491

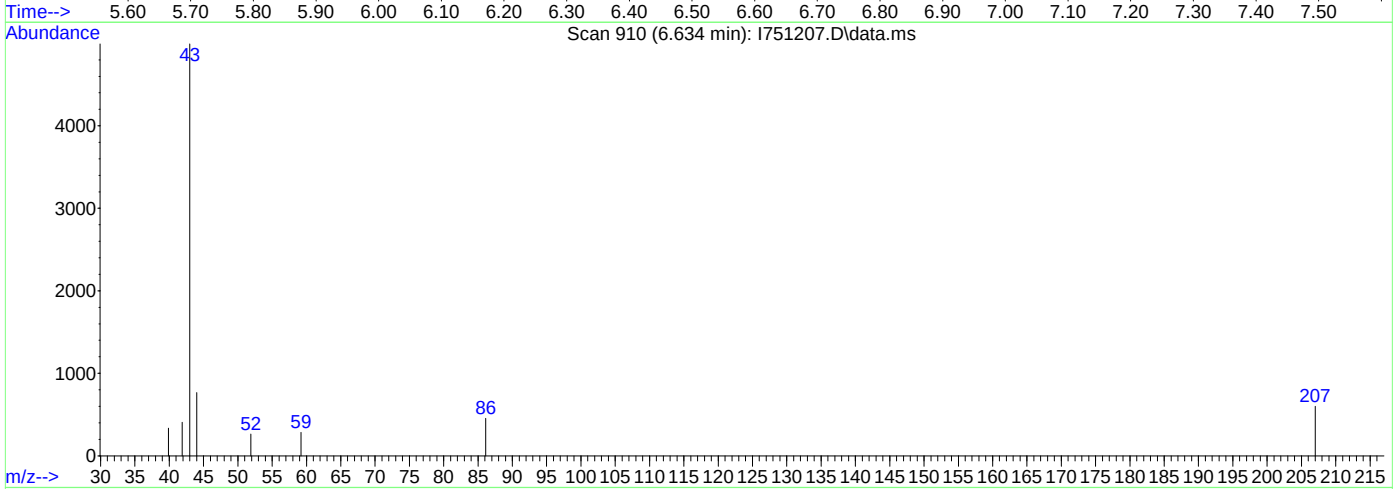
Ion	Exp%	Act%
43.10	100	100
42.10	9.00	0.00
86.10	7.90	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751207.D
Acq On : 9 Sep 2022 10:05 am
Operator : joannel
Sample : IC2688-1
Misc : MS52329,VI2688,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 11:09:03 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751207.D\data.ms

(31) Vinyl acetate

6.634min (+0.048) 2.14ug/L m

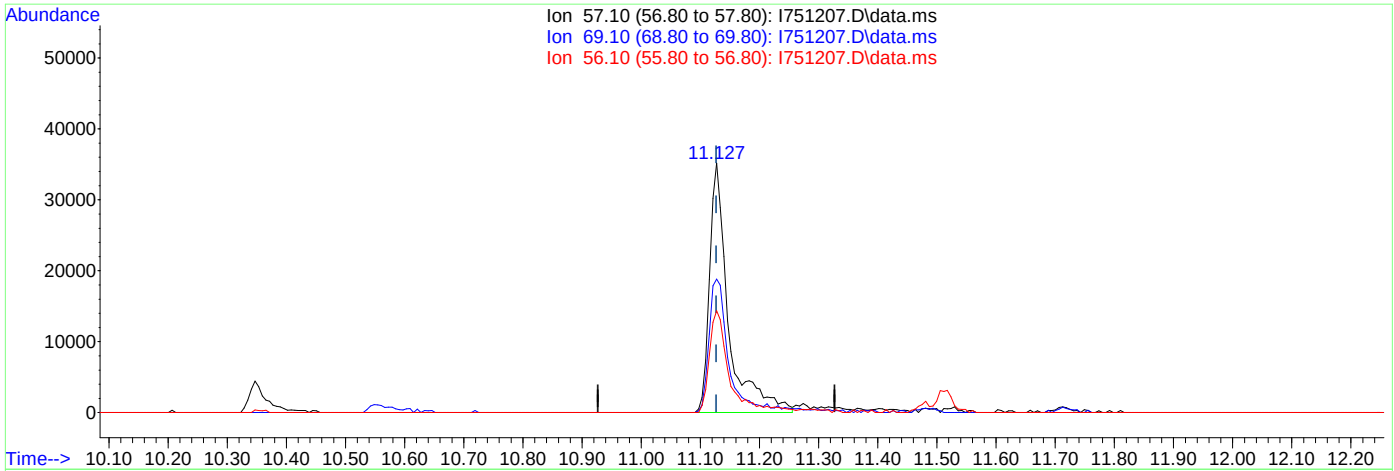
response 15478

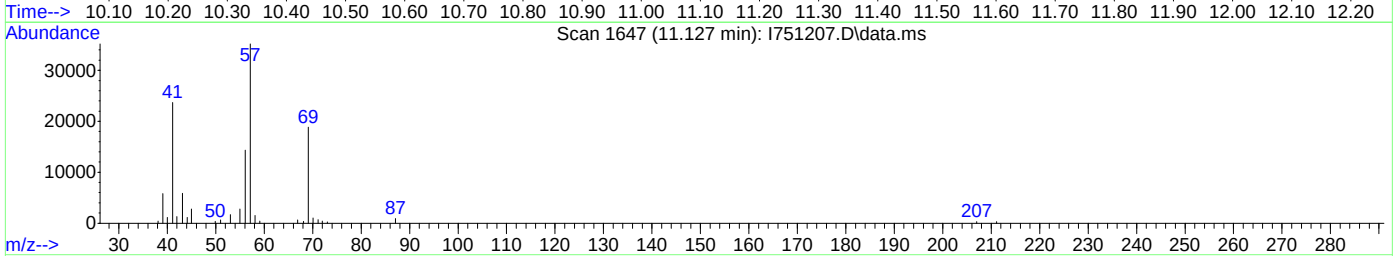
Ion	Exp%	Act%
43.10	100	100
42.10	9.00	8.13
86.10	7.90	9.11
0.00	0.00	0.00

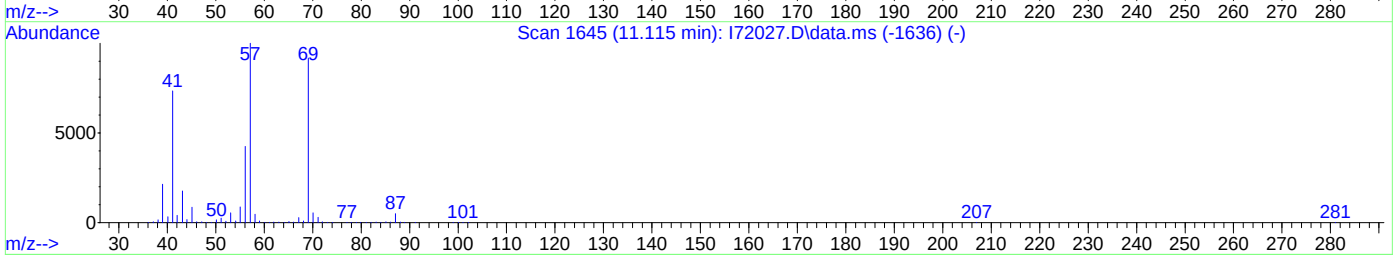
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751207.D
Acq On : 9 Sep 2022 10:05 am
Operator : joannel
Sample : IC2688-1
Misc : MS52329,VI2688,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 11:09:03 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration







TIC: I751207.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.127min (+0.000) 52.29ug/L

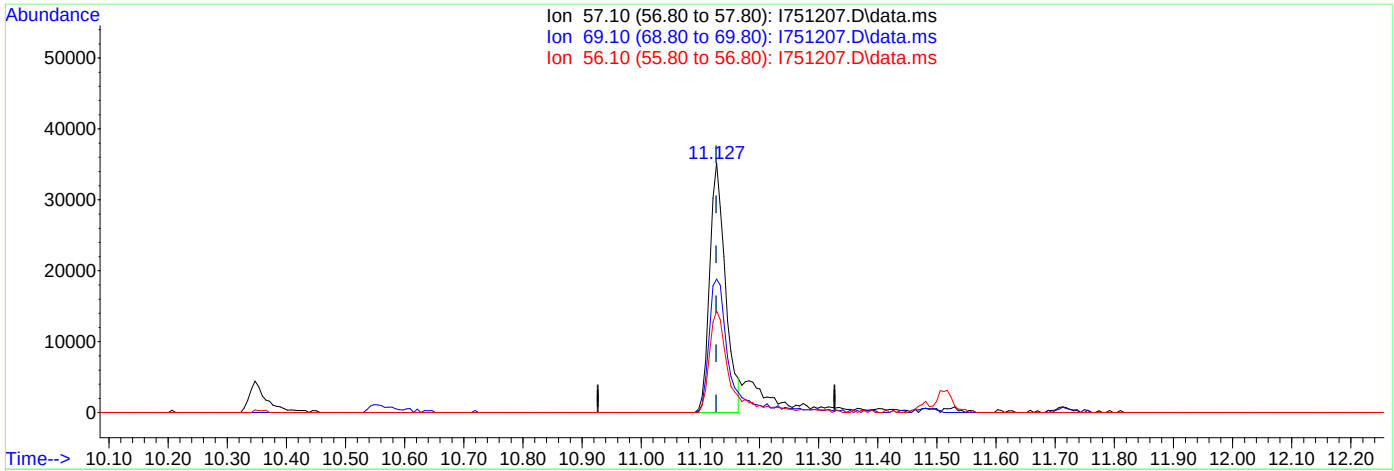
response 78737

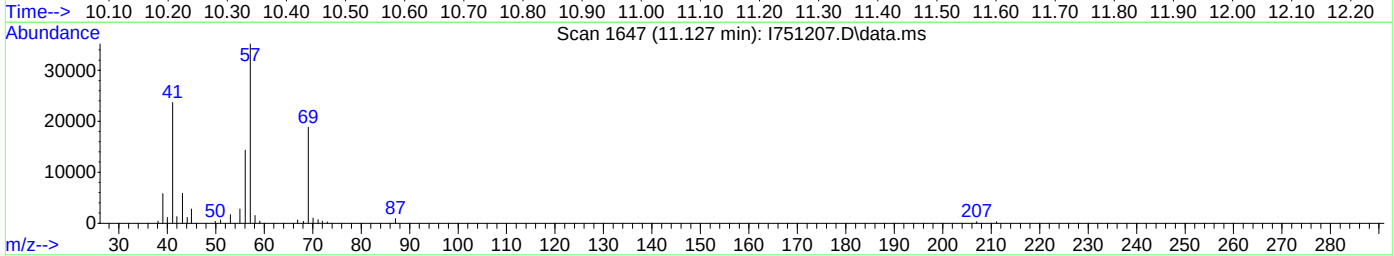
Ion	Exp%	Act%
57.10	100	100
69.10	62.70	53.51
56.10	44.70	40.74
0.00	0.00	0.00

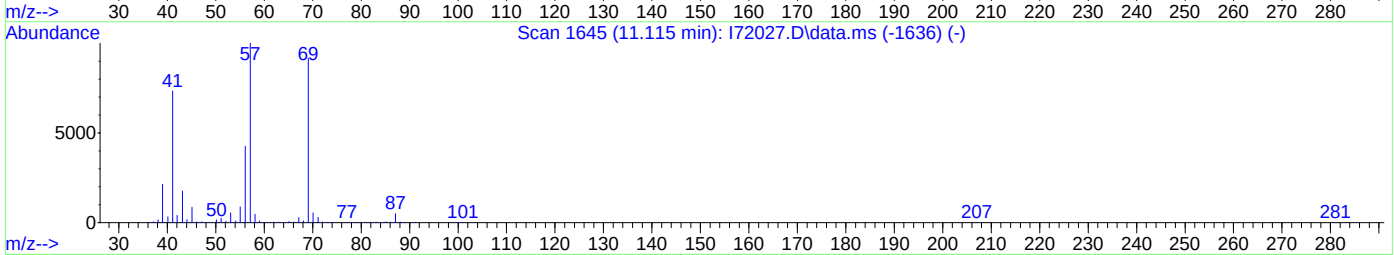
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751207.D
Acq On : 9 Sep 2022 10:05 am
Operator : joannel
Sample : IC2688-1
Misc : MS52329,VI2688,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 11:09:03 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration







TIC: I751207.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.127min (+0.000) 42.91ug/L m

response 64603

Ion	Exp%	Act%
57.10	100	100
69.10	62.70	53.51
56.10	44.70	40.74
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/12/22 12:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751208.D
Acq On : 9 Sep 2022 10:28 am
Operator : joannel
Sample : IC2688-2
Misc : MS52329,VI2688,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 11:13:34 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.341	96	779903	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	604702	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	293992	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.451	113	213773	49.60	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.20%		
49) 1,2-Dichloroethane-d4	8.037	65	243937	49.91	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	99.82%		
63) Toluene-d8	9.951	98	789702	47.89	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	95.78%		
86) 4-Bromofluorobenzene	12.731	174	244507	50.06	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	100.12%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.385	85	17747	4.92	ug/L	93
3) Chloromethane	2.714	50	24077	5.28	ug/L	100
4) Vinyl Chloride	2.861	62	21079	5.12	ug/L	97
5) 1,3-Butadiene	2.897	39	22121	6.97	ug/L	99
6) Bromomethane	3.391	94	11265	4.93	ug/L	97
7) Chloroethane	3.586	64	11280	5.19	ug/L	94
8) Trichlorofluoromethane	3.812	101	27100	4.98	ug/L	99
9) Ethyl Ether	4.300	59	16789	5.75	ug/L	92
10) 1,2-Dichlorotrifluoroe...	4.556	67	19396	5.70	ug/L	96
11) 1,1-Dichloroethene	4.562	61	25163	5.16	ug/L	96
12) Ethanol	4.525	45	27944	173.31	ug/L	88
13) Freon 113	4.623	101	15680	5.77	ug/L	95
14) Carbon Disulfide	4.604	76	41677	4.91	ug/L	99
15) Iodomethane	4.751	142	9055	2.54	ug/L	96
16) Acrolein	5.013	56	48861	40.13	ug/L	99
17) Allyl chloride	5.202	41	26876	6.27	ug/L	95
18) Methylene Chloride	5.336	49	65134	11.40	ug/L	95
19) Acetone	5.397	43	78717	31.76	ug/L	100
20) Methyl acetate	5.561	43	132133	27.69	ug/L	99
21) trans-1,2-Dichloroethene	5.561	61	23039	5.12	ug/L	96
22) Hexane	5.665	56	11496m	5.39	ug/L	
23) Methyl Tert Butyl Ether	5.689	73	46179	5.61	ug/L	74
24) Tert butyl alcohol	5.805	59	105775	64.17	ug/L	97
25) Acetonitrile	5.970	41	82105	80.57	ug/L	97
26) Di-isopropyl ether	6.153	45	56433	5.53	ug/L	96
27) Chloroprene	6.293	53	5078	5.56	ug/L	83
28) 1,1-Dichloroethane	6.305	63	28433	5.04	ug/L	97
29) Acrylonitrile	6.360	53	72750	29.70	ug/L	95
30) ETBE	6.586	59	55579	5.39	ug/L	96
31) Vinyl acetate	6.598	43	186911	25.96	ug/L	98
32) cis-1,2-Dichloroethene	6.958	96	14928	5.09	ug/L	85
33) 2,2-Dichloropropane	7.067	77	24097	5.19	ug/L	98
34) Bromochloromethane	7.183	128	7014	5.40	ug/L	92
35) Cyclohexane	7.201	56	27545	5.20	ug/L	95
36) Chloroform	7.256	83	28220	5.27	ug/L	96
37) Ethyl acetate	7.372	43	194425	29.71	ug/L	99
38) Tetrahydrofuran	7.445	42	18615	6.25	ug/L	93
40) Carbon Tetrachloride	7.433	117	20979	5.13	ug/L	97
41) 1,1,1-Trichloroethane	7.494	97	24284	5.13	ug/L	95
42) 2-Butanone	7.585	43	104792	26.11	ug/L	97
43) 1,1-Dichloropropene	7.640	75	19633	4.93	ug/L	91
44) tert-Butyl Formate	7.732	59	127404	40.54	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751208.D
Acq On : 9 Sep 2022 10:28 am
Operator : joannel
Sample : IC2688-2
Misc : MS52329,VI2688,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 11:13:34 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	7.896	54	95436	76.09	ug/L		99
46)	Methacrylonitrile	7.921	41	264062	72.09	ug/L		98
47)	Benzene	7.909	78	59845	5.27	ug/L	#	69
48)	TAME	8.012	73	44106	5.29	ug/L		97
50)	Isobutyl alcohol	8.085	42	55148	147.17	ug/L		94
51)	1,2-Dichloroethane	8.128	62	24257	5.54	ug/L		95
52)	Tert Amyl Alcohol	8.195	59	89523	61.68	ug/L		98
53)	Trichloroethene	8.537	95	15754	5.08	ug/L		87
54)	Methylcyclohexane	8.537	83	21659	5.31	ug/L		98
55)	Dibromomethane	8.988	93	9931	5.16	ug/L		95
56)	1,2-Dichloropropane	9.061	63	17024	5.25	ug/L		89
57)	Bromodichloromethane	9.128	83	19286	4.95	ug/L		94
58)	Methyl methacrylate	9.262	41	25476	6.28	ug/L		93
59)	1,4-Dioxane	9.329	88	12162	116.10	ug/L		96
60)	2-Chloroethyl vinyl ether	9.670	63	89818	34.65	ug/L		99
61)	cis-1,3-Dichloropropene	9.762	75	23472	5.26	ug/L		94
64)	Toluene	10.012	91	62150	4.85	ug/L		98
65)	2-Nitropropane	10.207	41	46004	25.32	ug/L		96
66)	4-Methyl-2-pentanone	10.341	43	183839	26.51	ug/L		99
67)	trans-1,3-Dichloropropene	10.414	75	18247	4.59	ug/L		87
68)	Tetrachloroethene	10.414	166	16520	4.57	ug/L		97
69)	Ethyl methacrylate	10.530	69	25124	5.66	ug/L		94
70)	1,1,2-Trichloroethane	10.573	83	12296	4.96	ug/L		97
71)	Dibromochloromethane	10.768	129	16142	4.96	ug/L		95
72)	1,3-Dichloropropane	10.853	76	24233	4.89	ug/L		95
73)	1,2-Dibromoethane	11.036	107	14984	4.81	ug/L		97
74)	3,3-dimethyl-1-butanol	11.121	57	552469m	360.91	ug/L		
75)	2-hexanone	11.170	43	151876	23.58	ug/L		95
76)	1-Chlorohexane	11.475	91	17683	4.39	ug/L		91
77)	Ethylbenzene	11.542	91	67868	4.70	ug/L		99
78)	Chlorobenzene	11.536	112	38267	4.69	ug/L		94
79)	1,1,1,2-Tetrachloroethane	11.585	131	14245	4.68	ug/L		90
80)	m,p-Xylene	11.682	91	98507	9.12	ug/L		97
81)	o-Xylene	12.121	91	49247	4.59	ug/L		98
82)	Styrene	12.176	104	33994	4.39	ug/L		94
83)	Bromoform	12.225	173	11691	4.91	ug/L		87
84)	Isopropylbenzene	12.426	105	60219	4.57	ug/L		99
87)	cis-1,4-Dichloro-2-butene	12.773	53	12200	6.21	ug/L		96
88)	n-Propylbenzene	12.847	91	72196	4.73	ug/L		99
89)	Bromobenzene	12.865	156	16023	4.79	ug/L		86
90)	1,1,2,2-Tetrachloroethane	12.902	83	25380	5.12	ug/L		99
91)	1,3,5-Trimethylbenzene	13.023	105	50257	4.73	ug/L		96
92)	2-Chlorotoluene	13.030	91	46622	4.63	ug/L		97
93)	trans-1,4-Dichloro-2-B...	13.091	53	9739	5.17	ug/L		83
94)	1,2,3-Trichloropropane	13.060	110	8094	5.08	ug/L		84
95)	Cyclohexanone	13.121	55	16382	32.64	ug/L		98
96)	4-Chlorotoluene	13.200	91	43436	4.76	ug/L		99
97)	tert-Butylbenzene	13.365	91	26495	4.38	ug/L		93
98)	1,2,4-Trimethylbenzene	13.438	105	46343	4.52	ug/L		93
99)	Pentachloroethane	13.414	167	11464	5.77	ug/L		88
100)	sec-Butylbenzene	13.548	105	56004	4.45	ug/L		97
101)	4-Isopropyltoluene	13.682	119	45497	4.35	ug/L		95
102)	1,3-Dichlorobenzene	13.816	146	26438	4.61	ug/L		95
103)	1,2,3-Trimethylbenzene	13.895	105	24610	2.31	ug/L		85
104)	1,4-Dichlorobenzene	13.895	146	30958	4.95	ug/L		98
105)	n-Butylbenzene	14.127	92	25012	4.21	ug/L		92
106)	Benzyl Chloride	14.139	126	6768	4.95	ug/L	#	78
107)	1,2-Dichlorobenzene	14.334	146	27395	4.82	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751208.D
Acq On : 9 Sep 2022 10:28 am
Operator : joannel
Sample : IC2688-2
Misc : MS52329,VI2688,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 11:13:34 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

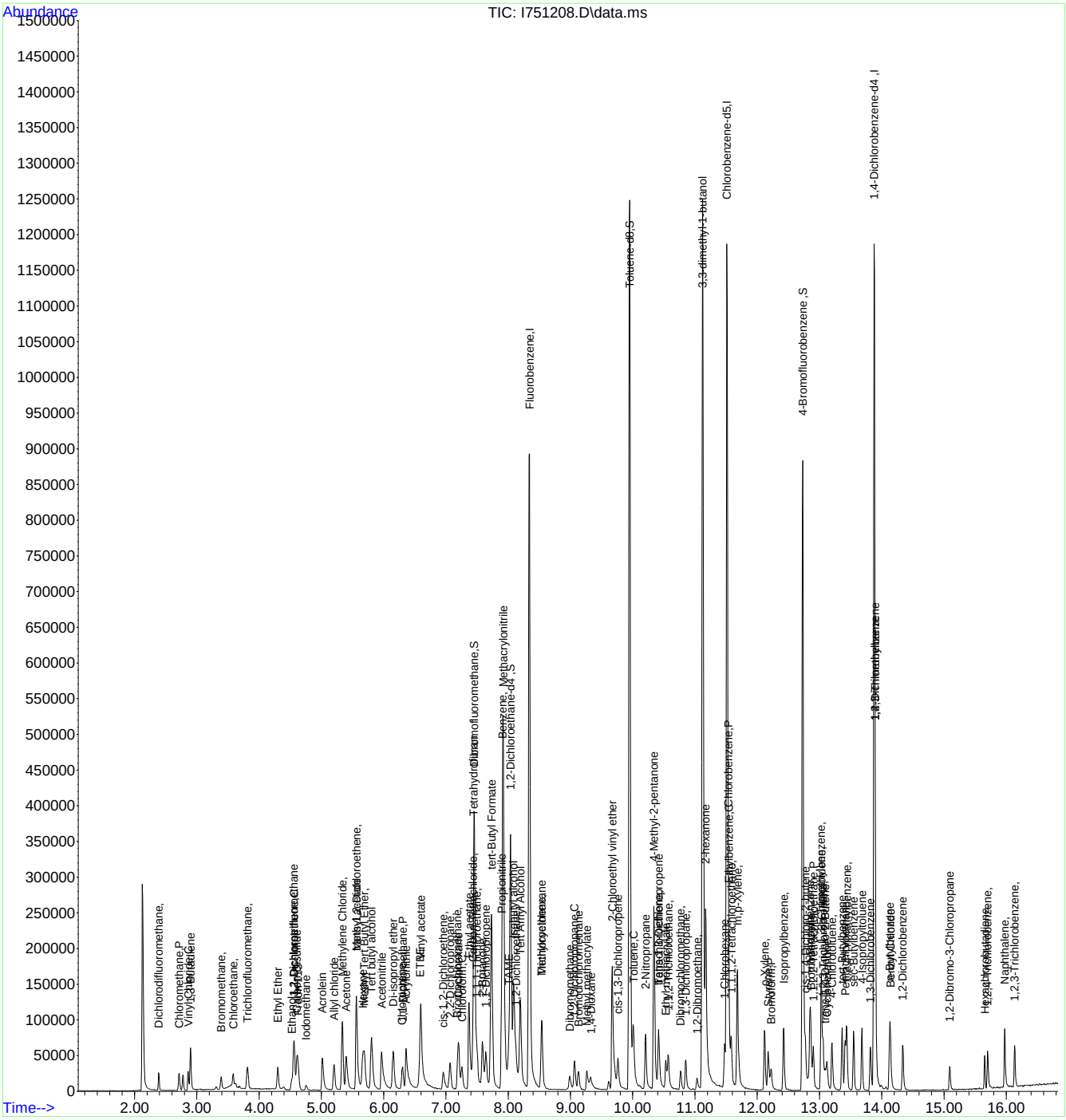
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	6882	4.64	ug/L	89
109) Hexachlorobutadiene	15.657	225	7104	4.09	ug/L	92
110) 1,2,4-Trichlorobenzene	15.700	180	16414	4.40	ug/L	97
111) Naphthalene	15.974	128	56333	4.48	ug/L	97
112) 1,2,3-Trichlorobenzene	16.133	180	16247	4.33	ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751208.D
Acq On : 9 Sep 2022 10:28 am
Operator : joannel
Sample : IC2688-2
Misc : MS52329,VI2688,,,,,
ALS Vial : 3 Sample Multiplier: 1

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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration



Manual Integration Approval Summary

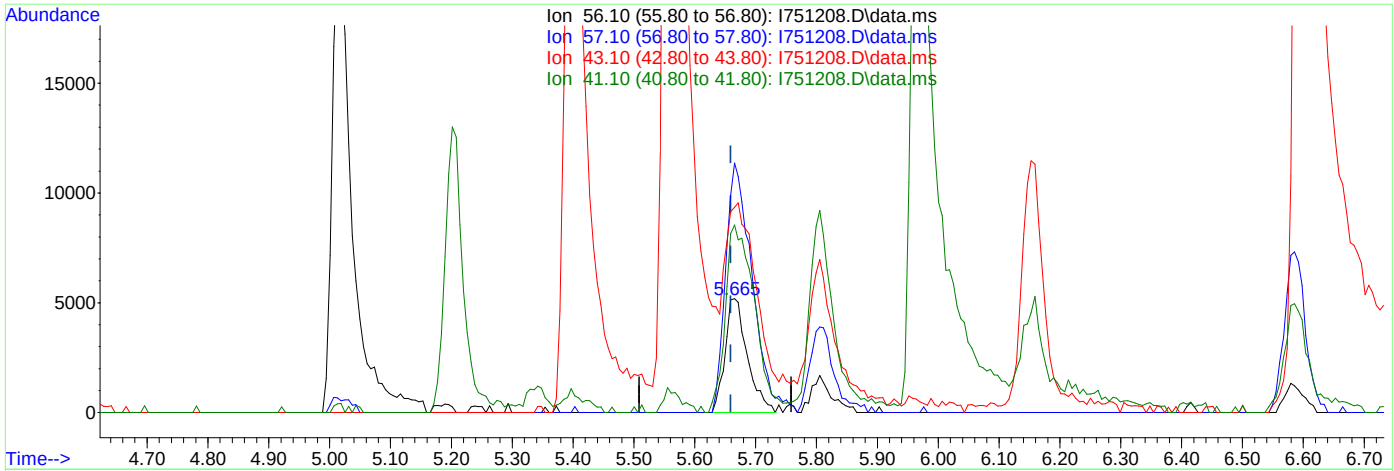
Sample Number: VI2688-IC2688
Lab FileID: I751208.D
Injection Time: 09/09/22 10:28
Method: SW846 8260D
Analyst approved: 09/12/22 11:43 Jo-Ann Lugo De Jesus
Supervisor approved: 09/12/22 12:46 Karen Watson

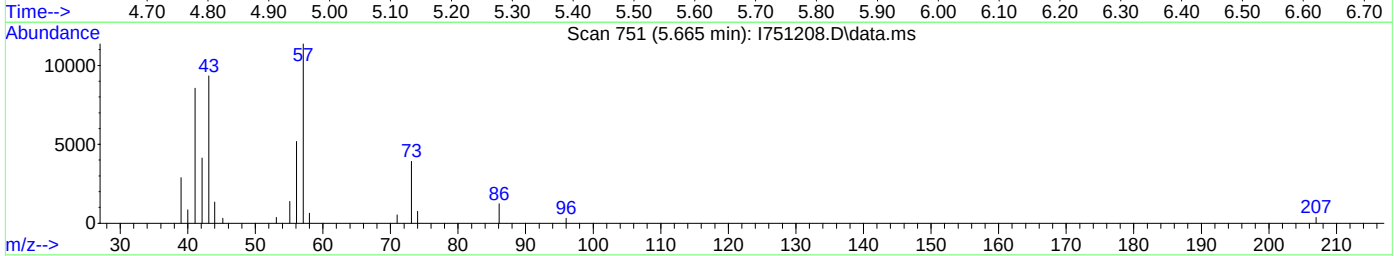
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.67	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.12	Overlapping peak

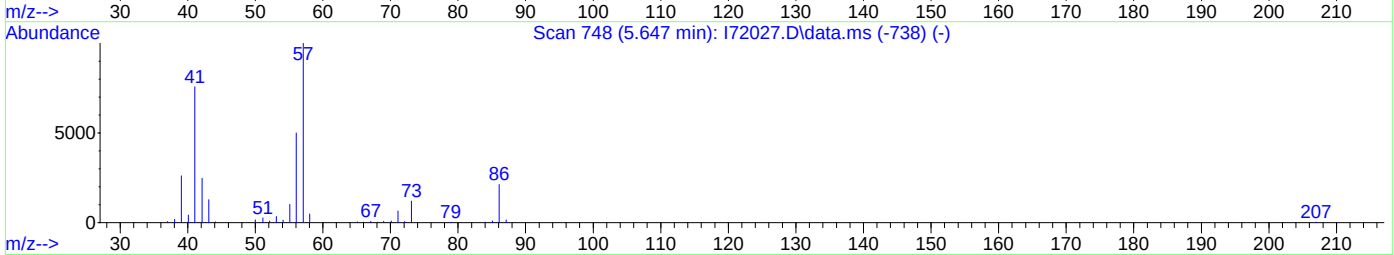
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751208.D
Acq On : 9 Sep 2022 10:28 am
Operator : joannel
Sample : IC2688-2
Misc : MS52329,VI2688,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 11:07:20 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration







TIC: I751208.D\data.ms

(22) Hexane

5.665min (+0.006) 6.20ug/L

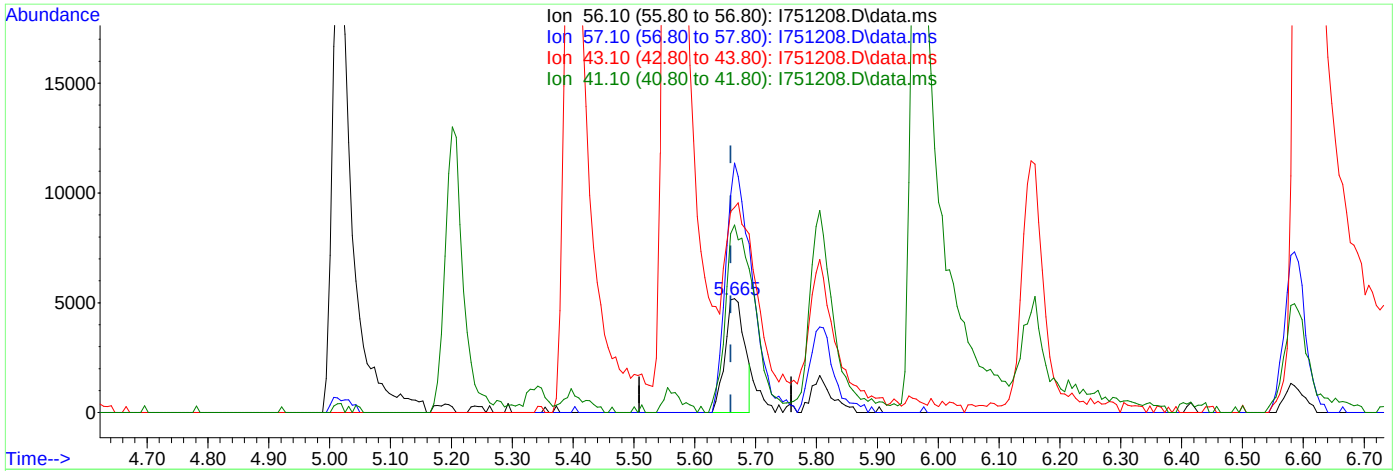
response 13225

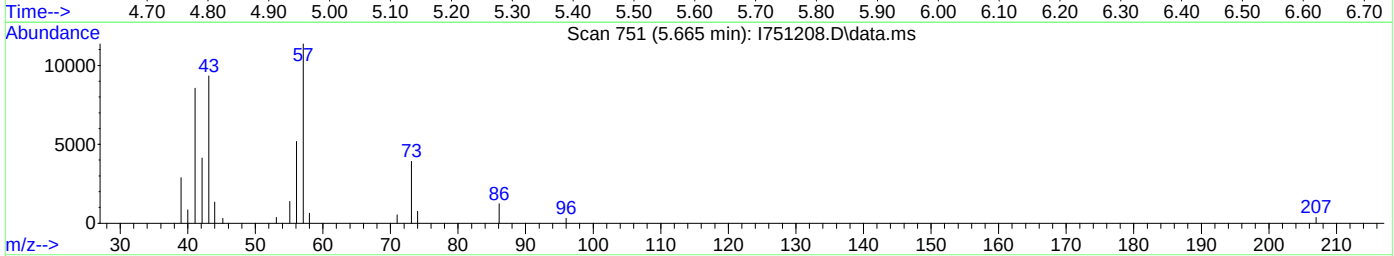
Ion	Exp%	Act%
56.10	100	100
57.10	202.30	219.16
43.10	153.70	147.84
41.10	148.20	164.80

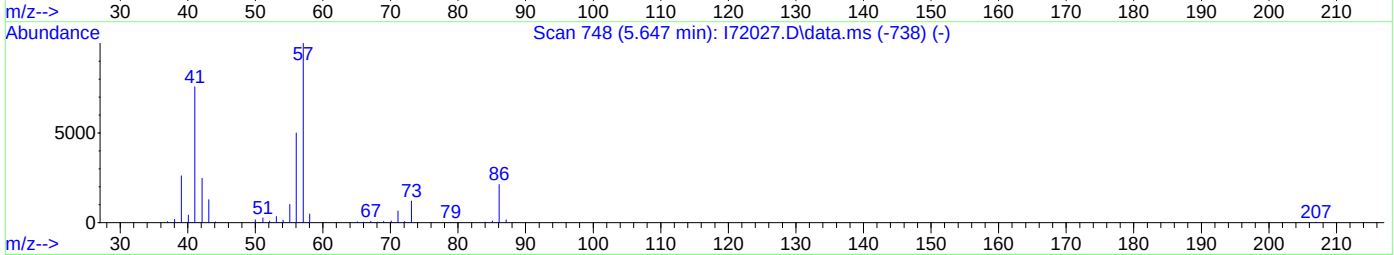
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751208.D
Acq On : 9 Sep 2022 10:28 am
Operator : joannel
Sample : IC2688-2
Misc : MS52329,VI2688,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 11:07:20 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration







TIC: I751208.D\data.ms

(22) Hexane

5.665min (+0.006) 5.39ug/L m

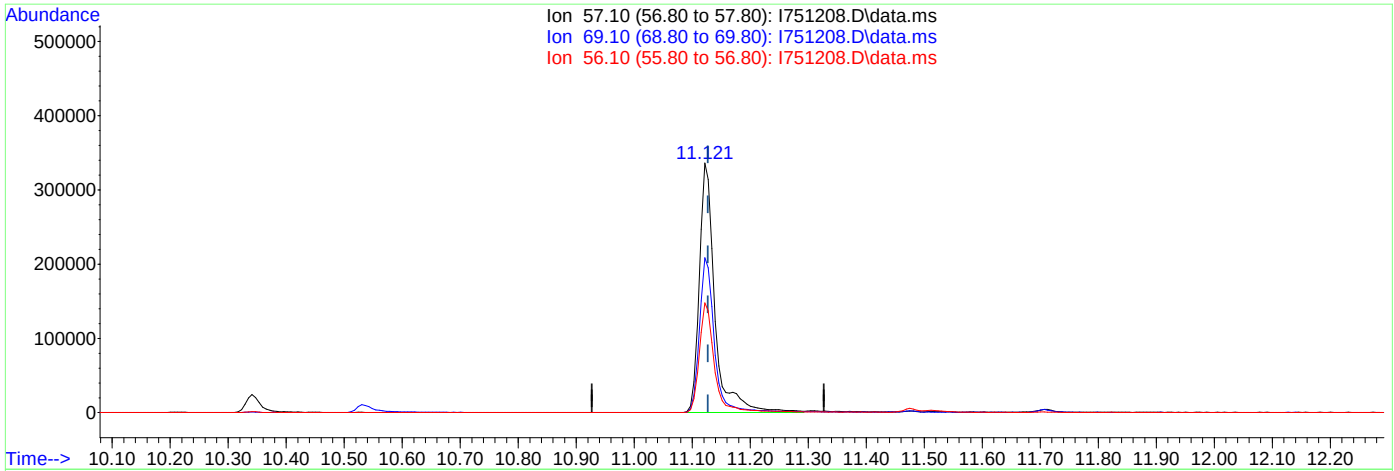
response 11496

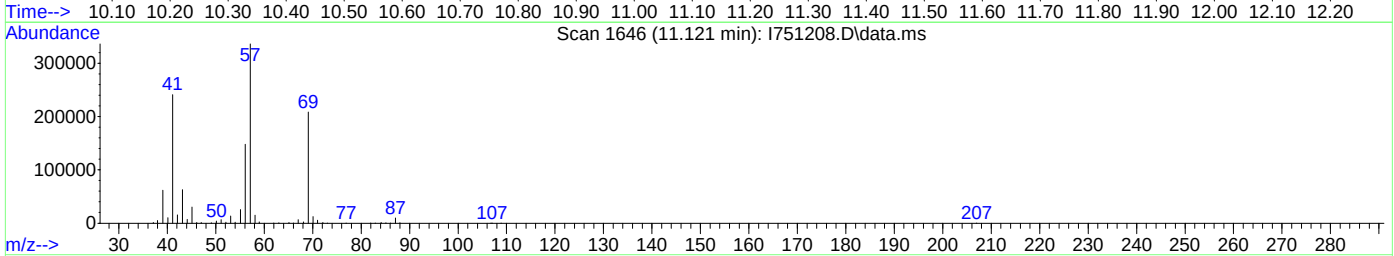
Ion	Exp%	Act%
56.10	100	100
57.10	202.30	219.16
43.10	153.70	180.11
41.10	148.20	164.80

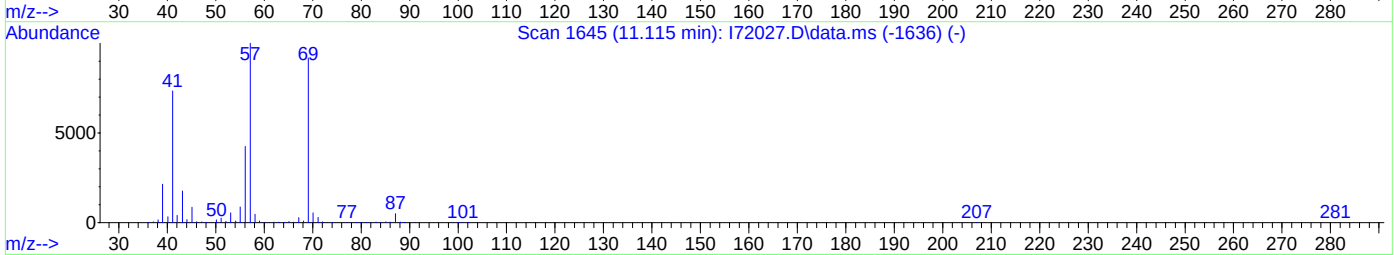
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751208.D
Acq On : 9 Sep 2022 10:28 am
Operator : joannel
Sample : IC2688-2
Misc : MS52329,VI2688,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 11:07:20 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration







TIC: I751208.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.121min (-0.006) 412.70ug/L

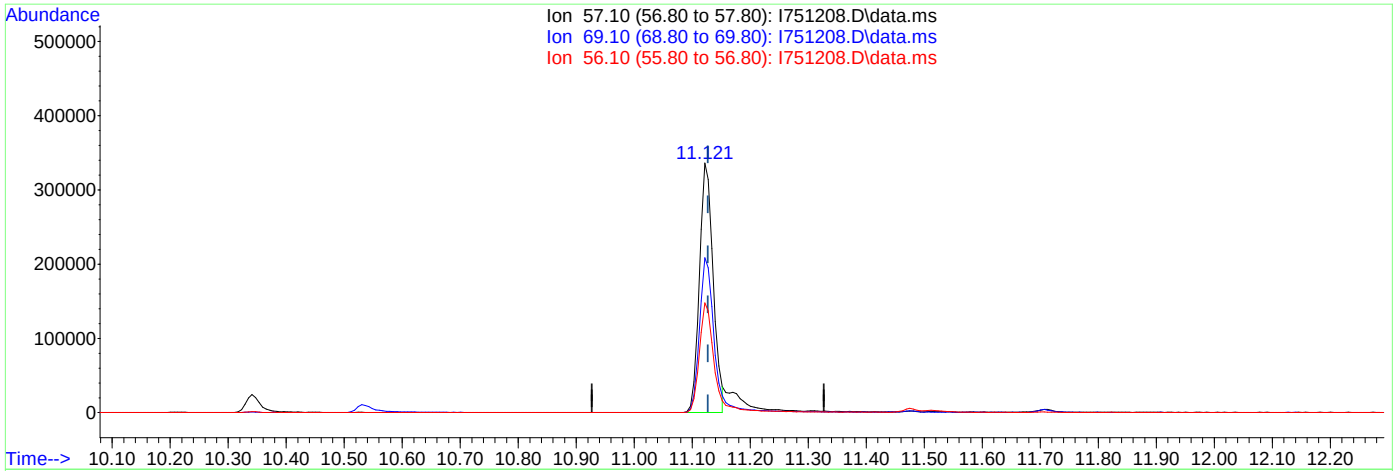
response 632397

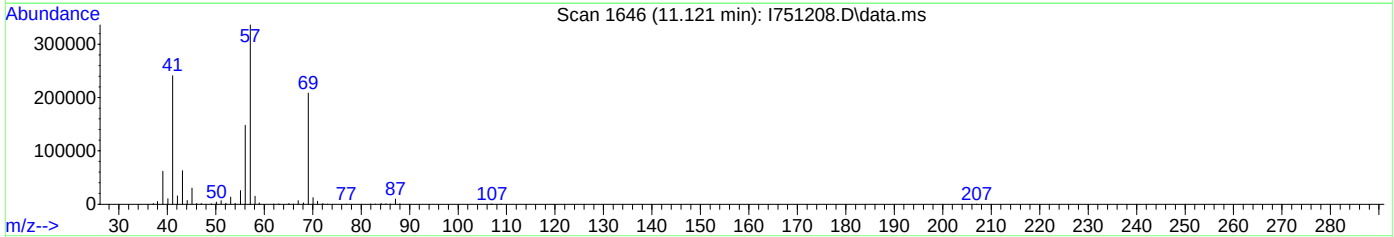
Ion	Exp%	Act%
57.10	100	100
69.10	62.70	62.03
56.10	44.70	43.92
0.00	0.00	0.00

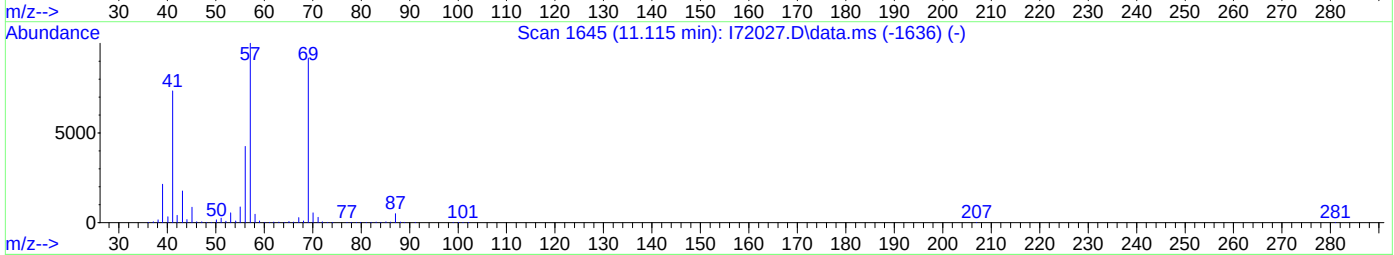
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751208.D
Acq On : 9 Sep 2022 10:28 am
Operator : joannel
Sample : IC2688-2
Misc : MS52329,VI2688,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 11:07:20 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration







TIC: I751208.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.121min (-0.006) 360.91ug/L m

response 552469

Ion	Exp%	Act%
57.10	100	100
69.10	62.70	62.03
56.10	44.70	43.92
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/12/22 12:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751209.D
Acq On : 9 Sep 2022 10:52 am
Operator : joannel
Sample : IC2688-3
Misc : MS52329,VI2688,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 11:14:08 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.341	96	774553	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	581635	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.883	152	294988	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.451	113	215363	50.32	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	100.64%		
49) 1,2-Dichloroethane-d4	8.037	65	244343	50.34	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	100.68%		
63) Toluene-d8	9.951	98	796585	50.23	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	100.46%		
86) 4-Bromofluorobenzene	12.731	174	246235	50.24	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	100.48%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.385	85	30066	8.42	ug/L	98
3) Chloromethane	2.708	50	38494	8.50	ug/L	98
4) Vinyl Chloride	2.855	62	36451	8.91	ug/L	99
5) 1,3-Butadiene	2.897	39	40278	12.93	ug/L	96
6) Bromomethane	3.391	94	18409	8.16	ug/L	95
7) Chloroethane	3.580	64	18120	8.47	ug/L	96
8) Trichlorofluoromethane	3.812	101	45432	8.51	ug/L	93
9) Ethyl Ether	4.300	59	33255	11.47	ug/L	97
10) 1,2-Dichlorotrifluoroe...	4.556	67	42311	12.53	ug/L	94
11) 1,1-Dichloroethene	4.562	61	52717	10.88	ug/L	94
12) Ethanol	4.531	45	48613	303.59	ug/L	96
13) Freon 113	4.623	101	32779	12.14	ug/L	98
14) Carbon Disulfide	4.604	76	88003	10.44	ug/L	100
15) Iodomethane	4.751	142	18590	5.25	ug/L	99
16) Acrolein	5.013	56	69557	57.37	ug/L	99
17) Allyl chloride	5.202	41	52516	12.35	ug/L	97
18) Methylene Chloride	5.336	49	98080	17.56	ug/L	96
19) Acetone	5.397	43	128411	52.17	ug/L	96
20) Methyl acetate	5.555	43	294555	62.15	ug/L	100
21) trans-1,2-Dichloroethene	5.562	61	49328	11.04	ug/L	94
22) Hexane	5.665	56	21531m	10.16	ug/L	
23) Methyl Tert Butyl Ether	5.690	73	100626	12.32	ug/L	83
24) Tert butyl alcohol	5.805	59	227893	139.21	ug/L	99
25) Acetonitrile	5.964	41	157432	155.55	ug/L	97
26) Di-isopropyl ether	6.153	45	120854	11.93	ug/L	98
27) Chloroprene	6.293	53	10828	11.93	ug/L	96
28) 1,1-Dichloroethane	6.299	63	63221	11.29	ug/L	99
29) Acrylonitrile	6.354	53	128364	52.77	ug/L	98
30) ETBE	6.586	59	116022	11.33	ug/L	94
31) Vinyl acetate	6.592	43	359801	50.04	ug/L	98
32) cis-1,2-Dichloroethene	6.952	96	32823	11.27	ug/L	97
33) 2,2-Dichloropropane	7.067	77	51857	11.24	ug/L	98
34) Bromochloromethane	7.189	128	15479	12.00	ug/L	94
35) Cyclohexane	7.201	56	56934	10.82	ug/L	98
36) Chloroform	7.250	83	62196	11.70	ug/L	94
37) Ethyl acetate	7.366	43	356910	54.92	ug/L	99
38) Tetrahydrofuran	7.445	42	39114	13.23	ug/L	97
40) Carbon Tetrachloride	7.433	117	45025	11.09	ug/L	98
41) 1,1,1-Trichloroethane	7.494	97	52805	11.22	ug/L	98
42) 2-Butanone	7.579	43	193825	48.47	ug/L	98
43) 1,1-Dichloropropene	7.640	75	43841	11.08	ug/L	99
44) tert-Butyl Formate	7.732	59	188573	60.09	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751209.D
Acq On : 9 Sep 2022 10:52 am
Operator : joannel
Sample : IC2688-3
Misc : MS52329,VI2688,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 11:14:08 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	7.890	54	183513	147.32	ug/L		96
46) Methacrylonitrile	7.915	41	483318	132.86	ug/L		100
47) Benzene	7.909	78	127119	11.28	ug/L	#	69
48) TAME	8.012	73	96189	11.61	ug/L		96
50) Isobutyl alcohol	8.085	42	108309	291.03	ug/L		97
51) 1,2-Dichloroethane	8.122	62	51106	11.74	ug/L		99
52) Tert Amyl Alcohol	8.195	59	188818	131.00	ug/L		99
53) Trichloroethene	8.537	95	33805	10.98	ug/L		97
54) Methylcyclohexane	8.537	83	42028	10.38	ug/L		96
55) Dibromomethane	8.982	93	21091	11.04	ug/L		98
56) 1,2-Dichloropropane	9.067	63	35643	11.06	ug/L		96
57) Bromodichloromethane	9.128	83	43658	11.29	ug/L		98
58) Methyl methacrylate	9.256	41	45156	11.20	ug/L		95
59) 1,4-Dioxane	9.323	88	27392	261.19	ug/L		99
60) 2-Chloroethyl vinyl ether	9.671	63	136295	52.82	ug/L		97
61) cis-1,3-Dichloropropene	9.762	75	49125	11.09	ug/L		96
64) Toluene	10.006	91	130319	10.58	ug/L		99
65) 2-Nitropropane	10.207	41	102523	58.65	ug/L		98
66) 4-Methyl-2-pentanone	10.341	43	323945	48.57	ug/L		99
67) trans-1,3-Dichloropropene	10.414	75	42828	11.21	ug/L		94
68) Tetrachloroethene	10.414	166	36321	10.44	ug/L		96
69) Ethyl methacrylate	10.524	69	49241	11.53	ug/L		91
70) 1,1,2-Trichloroethane	10.573	83	26139	10.96	ug/L		98
71) Dibromochloromethane	10.768	129	33143	10.58	ug/L		94
72) 1,3-Dichloropropane	10.847	76	52114	10.92	ug/L		98
73) 1,2-Dibromoethane	11.030	107	33100	11.04	ug/L		90
74) 3,3-dimethyl-1-butanol	11.121	57	861100m	582.28	ug/L		
75) 2-hexanone	11.170	43	276951	44.85	ug/L		96
76) 1-Chlorohexane	11.475	91	36154	9.34	ug/L		97
77) Ethylbenzene	11.536	91	143947	10.36	ug/L		97
78) Chlorobenzene	11.536	112	83431	10.64	ug/L		98
79) 1,1,1,2-Tetrachloroethane	11.585	131	30824	10.52	ug/L		94
80) m,p-Xylene	11.676	91	213760	20.57	ug/L		99
81) o-Xylene	12.115	91	107957	10.46	ug/L		97
82) Styrene	12.170	104	74256	9.96	ug/L		98
83) Bromoform	12.225	173	24947	10.89	ug/L		99
84) Isopropylbenzene	12.420	105	123258	9.72	ug/L		98
87) cis-1,4-Dichloro-2-butene	12.774	53	26564	13.49	ug/L		96
88) n-Propylbenzene	12.841	91	146975	9.60	ug/L		97
89) Bromobenzene	12.859	156	34715	10.34	ug/L		92
90) 1,1,2,2-Tetrachloroethane	12.902	83	54868	11.03	ug/L		97
91) 1,3,5-Trimethylbenzene	13.024	105	101244	9.49	ug/L		99
92) 2-Chlorotoluene	13.030	91	103503	10.24	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.084	53	19811	10.49	ug/L	#	78
94) 1,2,3-Trichloropropane	13.054	110	16967	10.62	ug/L		91
95) Cyclohexanone	13.121	55	31338	62.24	ug/L		98
96) 4-Chlorotoluene	13.194	91	88539	9.67	ug/L		97
97) tert-Butylbenzene	13.365	91	55513	9.14	ug/L		97
98) 1,2,4-Trimethylbenzene	13.438	105	97330	9.47	ug/L		97
99) Pentachloroethane	13.414	167	21738	10.91	ug/L		96
100) sec-Butylbenzene	13.548	105	109605	8.69	ug/L		98
101) 4-Isopropyltoluene	13.682	119	94467	9.01	ug/L		96
102) 1,3-Dichlorobenzene	13.816	146	56491	9.81	ug/L		99
103) 1,2,3-Trimethylbenzene	13.895	105	51378	4.81	ug/L		94
104) 1,4-Dichlorobenzene	13.895	146	64446	10.27	ug/L		99
105) n-Butylbenzene	14.127	92	51260	8.60	ug/L	#	85
106) Benzyl Chloride	14.139	126	15835	11.19	ug/L	#	67
107) 1,2-Dichlorobenzene	14.334	146	56937	9.99	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751209.D
Acq On : 9 Sep 2022 10:52 am
Operator : joannel
Sample : IC2688-3
Misc : MS52329,VI2688,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 11:14:08 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

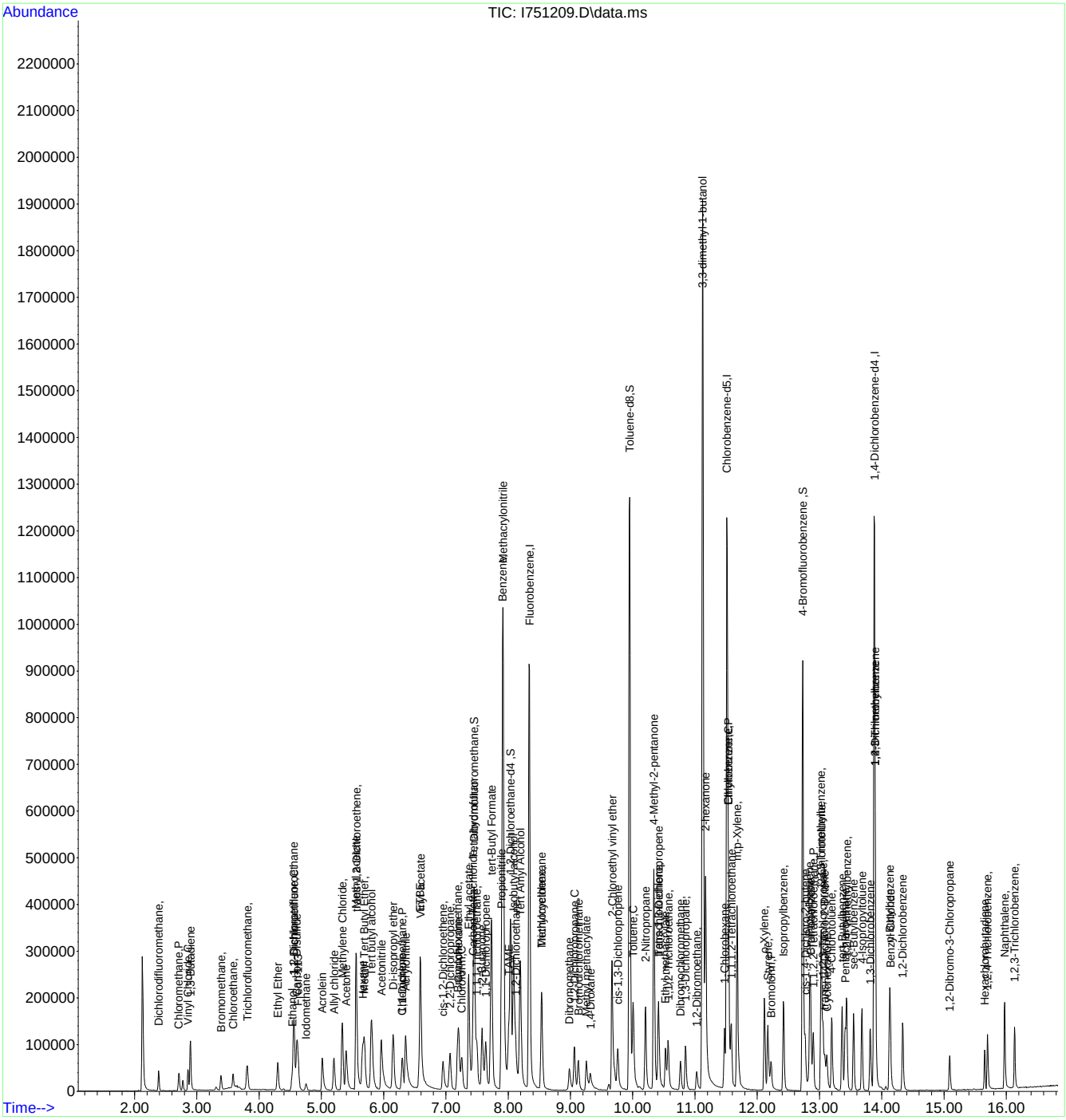
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	16190	10.89	ug/L	91
109) Hexachlorobutadiene	15.651	225	12920	7.42	ug/L	99
110) 1,2,4-Trichlorobenzene	15.700	180	33186	8.86	ug/L	97
111) Naphthalene	15.974	128	125692	9.95	ug/L	98
112) 1,2,3-Trichlorobenzene	16.133	180	33770	8.97	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751209.D
Acq On : 9 Sep 2022 10:52 am
Operator : joannel
Sample : IC2688-3
Misc : MS52329,VI2688,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 11:14:08 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration



Manual Integration Approval Summary

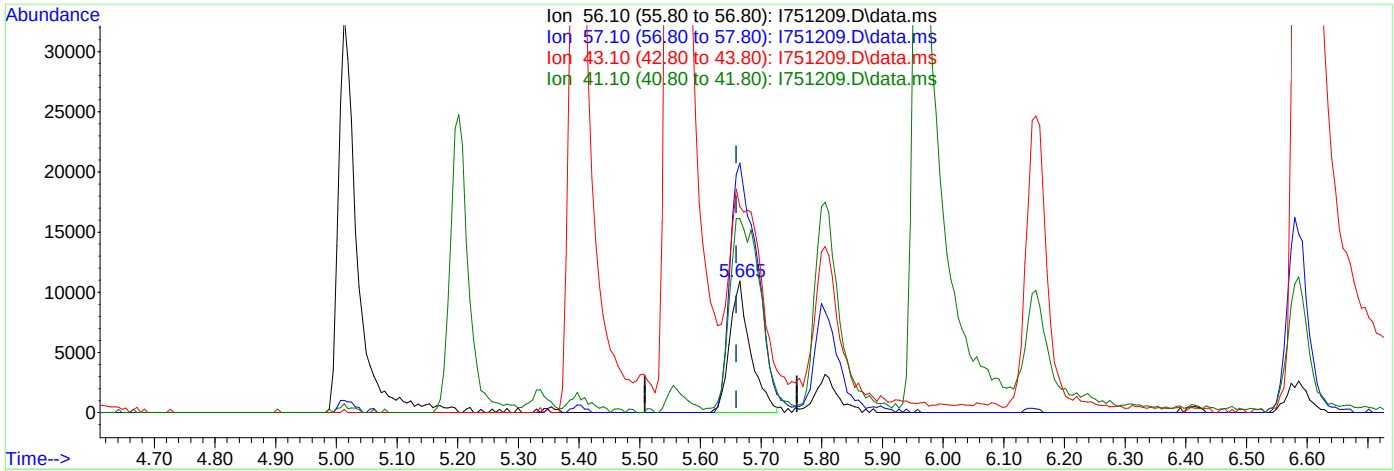
Sample Number: VI2688-IC2688
Lab FileID: I751209.D
Injection Time: 09/09/22 10:52
Method: SW846 8260D
Analyst approved: 09/12/22 11:43 Jo-Ann Lugo De Jesus
Supervisor approved: 09/12/22 12:46 Karen Watson

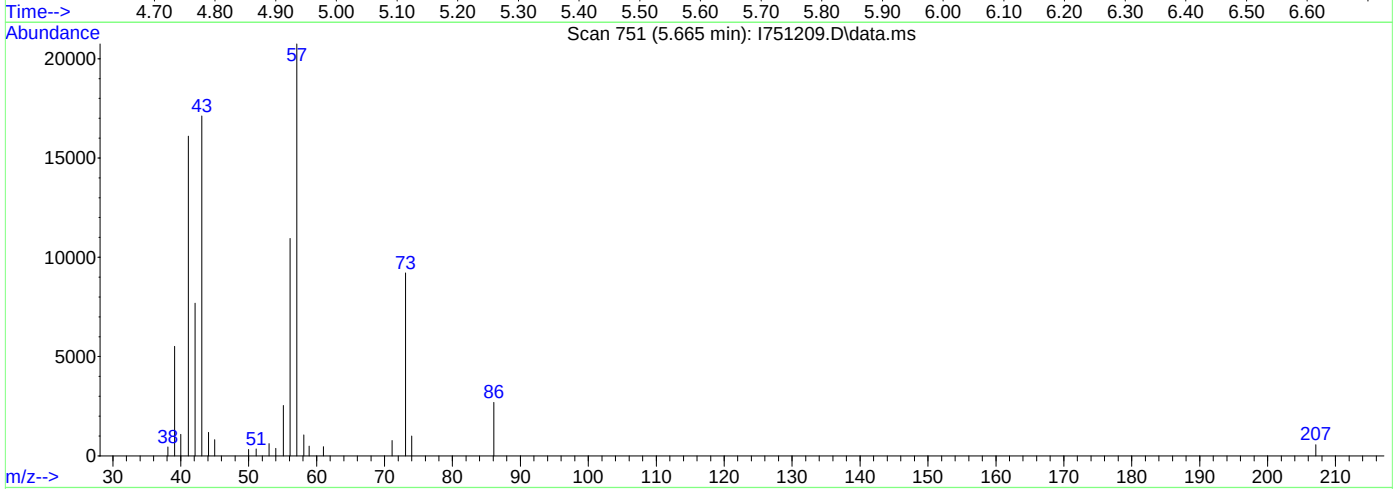
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.67	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.12	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751209.D
Acq On : 9 Sep 2022 10:52 am
Operator : joannel
Sample : IC2688-3
Misc : MS52329,VI2688,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 11:07:23 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751209.D\data.ms

(22) Hexane

5.665min (+0.006) 12.27ug/L

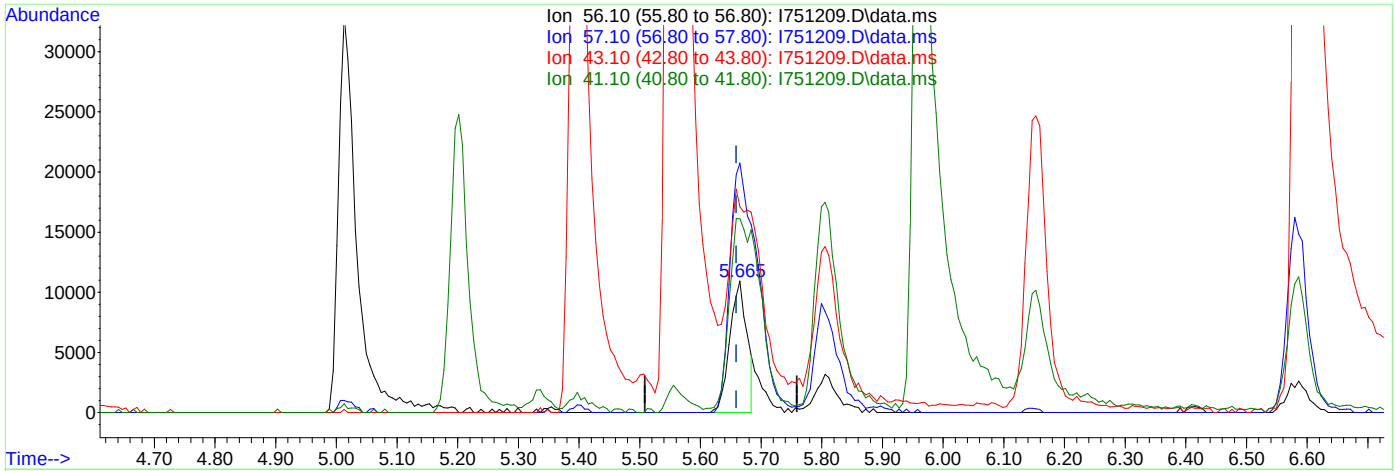
response 25985

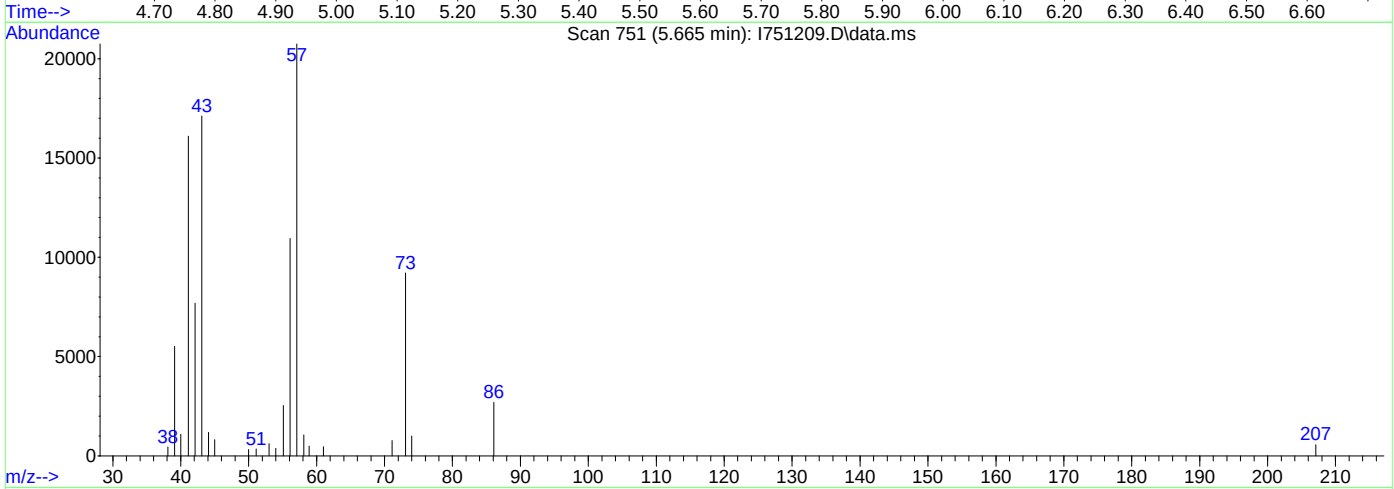
Ion	Exp%	Act%
56.10	100	100
57.10	202.30	189.59
43.10	153.70	124.22
41.10	148.20	143.83

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751209.D
Acq On : 9 Sep 2022 10:52 am
Operator : joannel
Sample : IC2688-3
Misc : MS52329,VI2688,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 11:07:23 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751209.D\data.ms

(22) Hexane

5.665min (+0.006) 10.16ug/L m

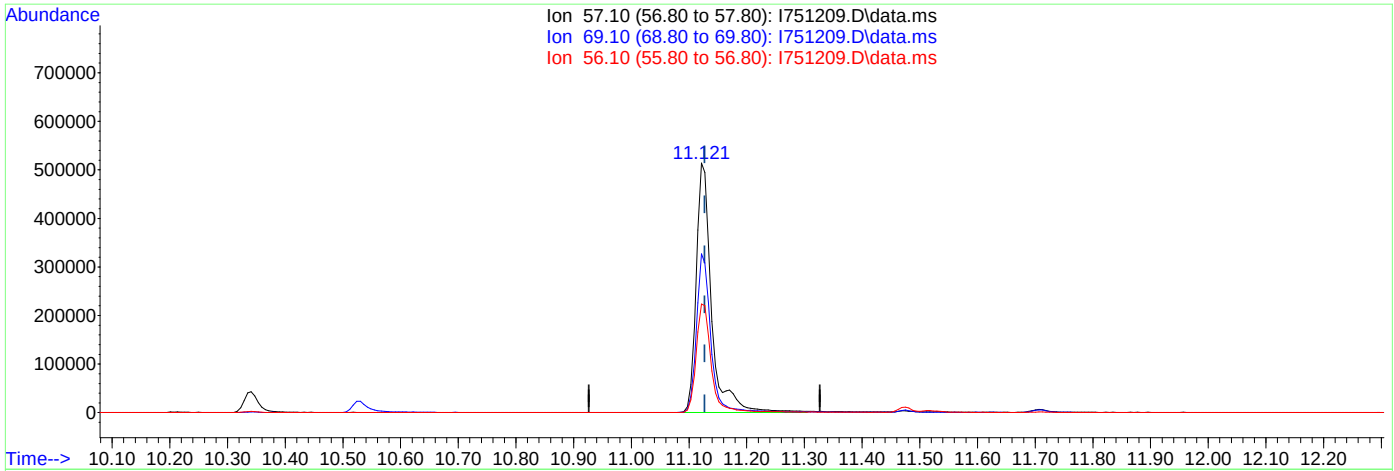
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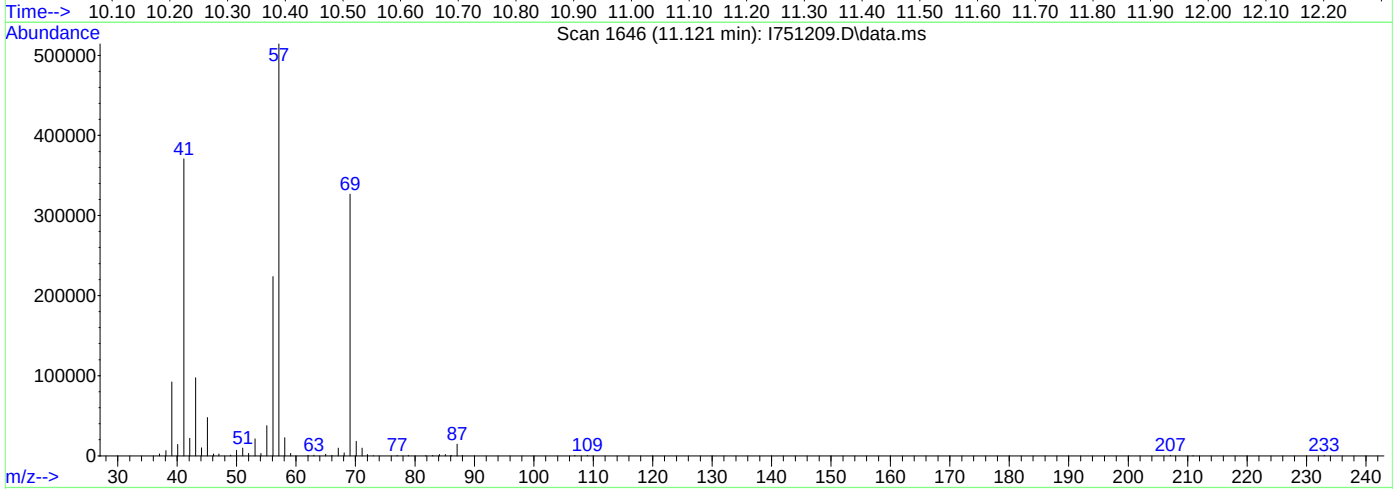
Ion	Exp%	Act%
56.10	100	100
57.10	202.30	189.59
43.10	153.70	156.33
41.10	148.20	147.07

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751209.D
Acq On : 9 Sep 2022 10:52 am
Operator : joannel
Sample : IC2688-3
Misc : MS52329,VI2688,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 11:07:23 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751209.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.121min (-0.006) 650.46ug/L

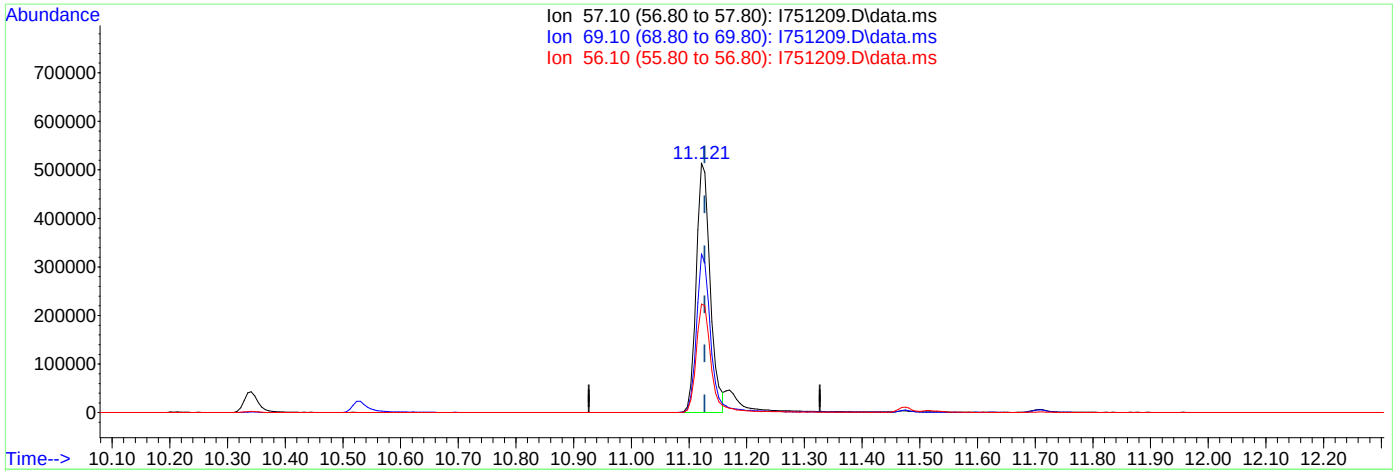
response 963226

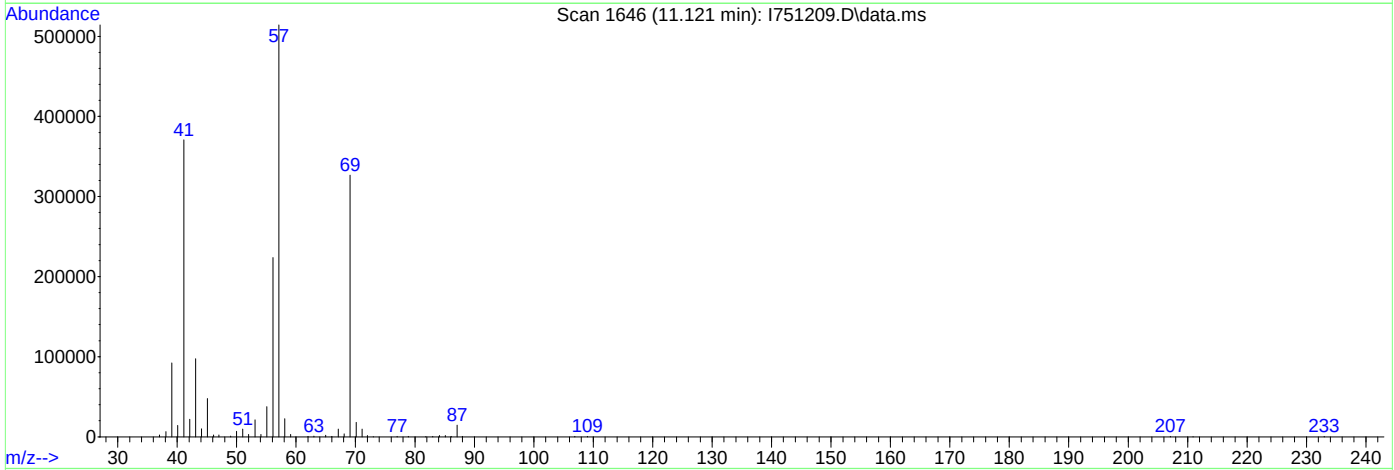
Ion	Exp%	Act%
57.10	100	100
69.10	62.70	63.47
56.10	44.70	43.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751209.D
Acq On : 9 Sep 2022 10:52 am
Operator : joannel
Sample : IC2688-3
Misc : MS52329,VI2688,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 11:07:23 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751209.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.121min (-0.006) 582.28ug/L m

response 861100

Ion	Exp%	Act%
57.10	100	100
69.10	62.70	63.53
56.10	44.70	43.50
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/12/22 12:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751210.D
Acq On : 9 Sep 2022 11:16 am
Operator : joannel
Sample : IC2688-4
Misc : MS52329,VI2688,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 11:14:46 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.341	96	801706	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	615492	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	323314	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.458	113	230832	52.10	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	104.20%		
49) 1,2-Dichloroethane-d4	8.037	65	265735	52.90	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	105.80%		
63) Toluene-d8	9.951	98	822600	49.01	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	98.02%		
86) 4-Bromofluorobenzene	12.731	174	265222	49.37	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.74%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.391	85	69150	18.91	ug/L	96
3) Chloromethane	2.715	50	96608	20.61	ug/L	91
4) Vinyl Chloride	2.861	62	89860	21.21	ug/L	98
5) 1,3-Butadiene	2.897	39	75986	24.08	ug/L	97
6) Bromomethane	3.391	94	39555	17.14	ug/L	95
7) Chloroethane	3.586	64	44855	20.91	ug/L	96
8) Trichlorofluoromethane	3.800	101	108824	20.54	ug/L	95
9) Ethyl Ether	4.306	59	77237	25.74	ug/L	97
10) 1,2-Dichlorotrifluoroe...	4.562	67	98376	28.15	ug/L	94
11) 1,1-Dichloroethene	4.562	61	126039	25.12	ug/L	99
12) Ethanol	4.550	45	98035	591.50	ug/L	99
13) Freon 113	4.623	101	72937	26.09	ug/L	97
14) Carbon Disulfide	4.604	76	212281	24.34	ug/L	97
15) Iodomethane	4.757	142	55284	15.18	ug/L	98
16) Acrolein	5.013	56	170651	134.35	ug/L	99
17) Allyl chloride	5.202	41	107827	24.49	ug/L	97
18) Methylene Chloride	5.336	49	181394	32.64	ug/L	98
19) Acetone	5.397	43	437104	171.57	ug/L	100
20) Methyl acetate	5.555	43	755449	154.00	ug/L	99
21) trans-1,2-Dichloroethene	5.555	61	120294	26.01	ug/L	97
22) Hexane	5.659	56	50217m	22.90	ug/L	
23) Methyl Tert Butyl Ether	5.690	73	250049	29.57	ug/L	87
24) Tert butyl alcohol	5.811	59	549059	324.04	ug/L	100
25) Acetonitrile	5.964	41	314001	299.74	ug/L	97
26) Di-isopropyl ether	6.153	45	306743	29.25	ug/L	99
27) Chloroprene	6.287	53	21644	23.03	ug/L	91
28) 1,1-Dichloroethane	6.299	63	154428	26.64	ug/L	98
29) Acrylonitrile	6.348	53	326894	129.82	ug/L	97
30) ETBE	6.586	59	293090	27.66	ug/L	100
31) Vinyl acetate	6.586	43	925947	122.43	ug/L	99
32) cis-1,2-Dichloroethene	6.945	96	77659	25.77	ug/L	98
33) 2,2-Dichloropropane	7.067	77	118906	24.90	ug/L	99
34) Bromochloromethane	7.177	128	37760	28.27	ug/L	94
35) Cyclohexane	7.201	56	132728	24.38	ug/L	97
36) Chloroform	7.250	83	148938	27.07	ug/L	99
37) Ethyl acetate	7.360	43	858140	127.57	ug/L	99
38) Tetrahydrofuran	7.445	42	93832	30.66	ug/L	96
40) Carbon Tetrachloride	7.433	117	103595	24.66	ug/L	98
41) 1,1,1-Trichloroethane	7.500	97	122294	25.11	ug/L	98
42) 2-Butanone	7.573	43	687255	163.45	ug/L	100
43) 1,1-Dichloropropene	7.640	75	104009	25.39	ug/L	98
44) tert-Butyl Formate	7.732	59	468607	141.18	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751210.D
Acq On : 9 Sep 2022 11:16 am
Operator : joannel
Sample : IC2688-4
Misc : MS52329,VI2688,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 11:14:46 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) Propionitrile	7.890	54	383568	297.49	ug/L	97
46) Methacrylonitrile	7.915	41	997235	264.85	ug/L	99
47) Benzene	7.903	78	306272	26.25	ug/L	92
48) TAME	8.012	73	236463	27.59	ug/L	99
50) Isobutyl alcohol	8.092	42	236213	613.21	ug/L	100
51) 1,2-Dichloroethane	8.116	62	122784	27.26	ug/L	98
52) Tert Amyl Alcohol	8.195	59	462677	310.13	ug/L	97
53) Trichloroethene	8.537	95	79531	24.96	ug/L	97
54) Methylcyclohexane	8.537	83	95914	22.90	ug/L	98
55) Dibromomethane	8.982	93	54384	27.51	ug/L	98
56) 1,2-Dichloropropane	9.061	63	89236	26.76	ug/L	98
57) Bromodichloromethane	9.122	83	105362	26.32	ug/L	98
58) Methyl methacrylate	9.250	41	104631	25.08	ug/L	99
59) 1,4-Dioxane	9.323	88	66450	600.89	ug/L	98
60) 2-Chloroethyl vinyl ether	9.664	63	351280	130.25	ug/L	99
61) cis-1,3-Dichloropropene	9.756	75	124425	27.13	ug/L	96
64) Toluene	10.006	91	315704	24.22	ug/L	99
65) 2-Nitropropane	10.207	41	267200	144.46	ug/L	99
66) 4-Methyl-2-pentanone	10.335	43	1102586	156.22	ug/L	100
67) trans-1,3-Dichloropropene	10.408	75	108034	26.71	ug/L	97
68) Tetrachloroethene	10.414	166	87042	23.65	ug/L	98
69) Ethyl methacrylate	10.524	69	108371	23.97	ug/L	96
70) 1,1,2-Trichloroethane	10.567	83	66005	26.16	ug/L	95
71) Dibromochloromethane	10.768	129	85375	25.75	ug/L	96
72) 1,3-Dichloropropane	10.847	76	130828	25.91	ug/L	98
73) 1,2-Dibromoethane	11.024	107	84109	26.51	ug/L	94
74) 3,3-dimethyl-1-butanol	11.128	57	2192640m	1379.37	ug/L	
75) 2-hexanone	11.164	43	942587	146.43	ug/L	99
76) 1-Chlorohexane	11.475	91	88887	21.69	ug/L	99
77) Ethylbenzene	11.536	91	350917	23.87	ug/L	99
78) Chlorobenzene	11.530	112	204382	24.64	ug/L	99
79) 1,1,1,2-Tetrachloroethane	11.585	131	77901	25.13	ug/L	98
80) m,p-Xylene	11.676	91	525988	47.84	ug/L	99
81) o-Xylene	12.115	91	267869	24.53	ug/L	98
82) Styrene	12.164	104	195594	24.79	ug/L	98
83) Bromoform	12.219	173	64103	26.44	ug/L	97
84) Isopropylbenzene	12.420	105	312576	23.29	ug/L	99
87) cis-1,4-Dichloro-2-butene	12.767	53	51662	23.93	ug/L	97
88) n-Propylbenzene	12.841	91	371721	22.14	ug/L	97
89) Bromobenzene	12.859	156	86512	23.51	ug/L	90
90) 1,1,2,2-Tetrachloroethane	12.902	83	135125	24.78	ug/L	99
91) 1,3,5-Trimethylbenzene	13.024	105	262430	22.44	ug/L	100
92) 2-Chlorotoluene	13.024	91	258428	23.32	ug/L	98
93) trans-1,4-Dichloro-2-B...	13.078	53	47651	23.02	ug/L	91
94) 1,2,3-Trichloropropane	13.054	110	43843	25.03	ug/L	96
95) Cyclohexanone	13.115	55	71539	129.63	ug/L	98
96) 4-Chlorotoluene	13.194	91	225329	22.45	ug/L	99
97) tert-Butylbenzene	13.365	91	139677	20.98	ug/L	98
98) 1,2,4-Trimethylbenzene	13.432	105	258377	22.93	ug/L	99
99) Pentachloroethane	13.414	167	45981	21.06	ug/L	95
100) sec-Butylbenzene	13.548	105	279350	20.20	ug/L	100
101) 4-Isopropyltoluene	13.682	119	248080	21.59	ug/L	98
102) 1,3-Dichlorobenzene	13.810	146	147225	23.33	ug/L	98
103) 1,2,3-Trimethylbenzene	13.895	105	134286	11.48	ug/L	97
104) 1,4-Dichlorobenzene	13.895	146	156006	22.68	ug/L	98
105) n-Butylbenzene	14.121	92	134569	20.59	ug/L	95
106) Benzyl Chloride	14.133	126	43001	25.85	ug/L	99
107) 1,2-Dichlorobenzene	14.334	146	145252	23.24	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751210.D
Acq On : 9 Sep 2022 11:16 am
Operator : joannel
Sample : IC2688-4
Misc : MS52329,VI2688,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 11:14:46 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

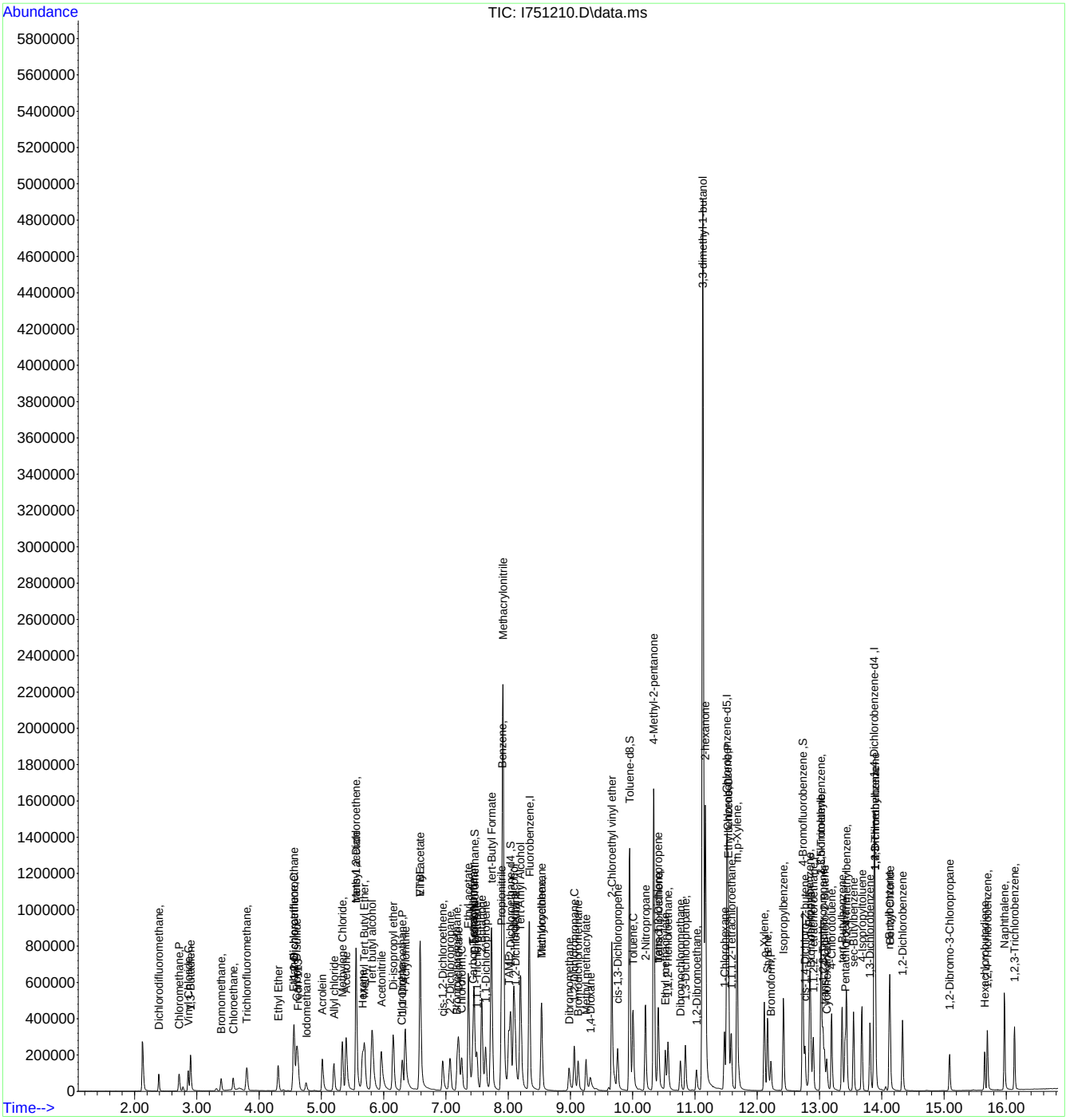
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	41180	25.26	ug/L	98
109) Hexachlorobutadiene	15.651	225	32954	17.26	ug/L	98
110) 1,2,4-Trichlorobenzene	15.700	180	87661	21.36	ug/L	99
111) Naphthalene	15.968	128	332576	24.03	ug/L	100
112) 1,2,3-Trichlorobenzene	16.133	180	87234	21.15	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751210.D
Acq On : 9 Sep 2022 11:16 am
Operator : joannel
Sample : IC2688-4
Misc : MS52329,VI2688,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 11:14:46 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration



Manual Integration Approval Summary

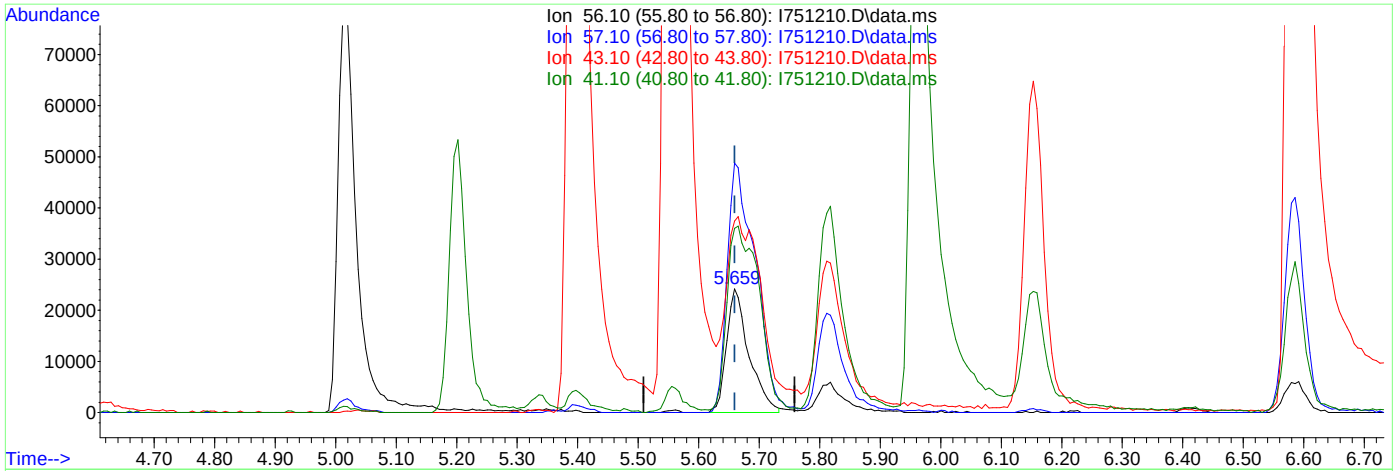
Sample Number: VI2688-IC2688
Lab FileID: I751210.D
Injection Time: 09/09/22 11:16
Method: SW846 8260D
Analyst approved: 09/12/22 11:43 Jo-Ann Lugo De Jesus
Supervisor approved: 09/12/22 12:46 Karen Watson

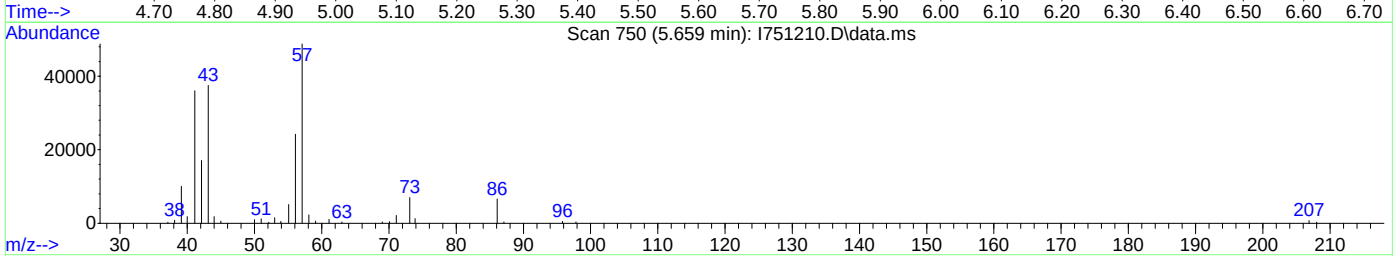
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.66	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.13	Overlapping peak

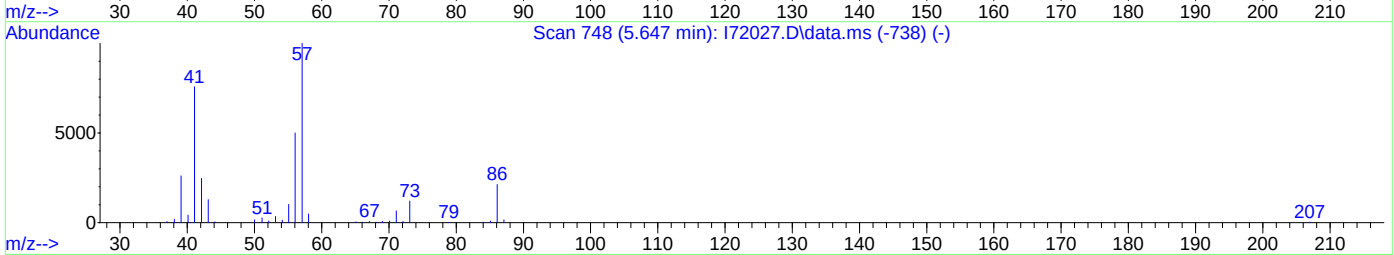
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751210.D
Acq On : 9 Sep 2022 11:16 am
Operator : joannel
Sample : IC2688-4
Misc : MS52329,VI2688,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 11:07:26 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration







TIC: I751210.D\data.ms

(22) Hexane

5.659min (+0.000) 28.47ug/L

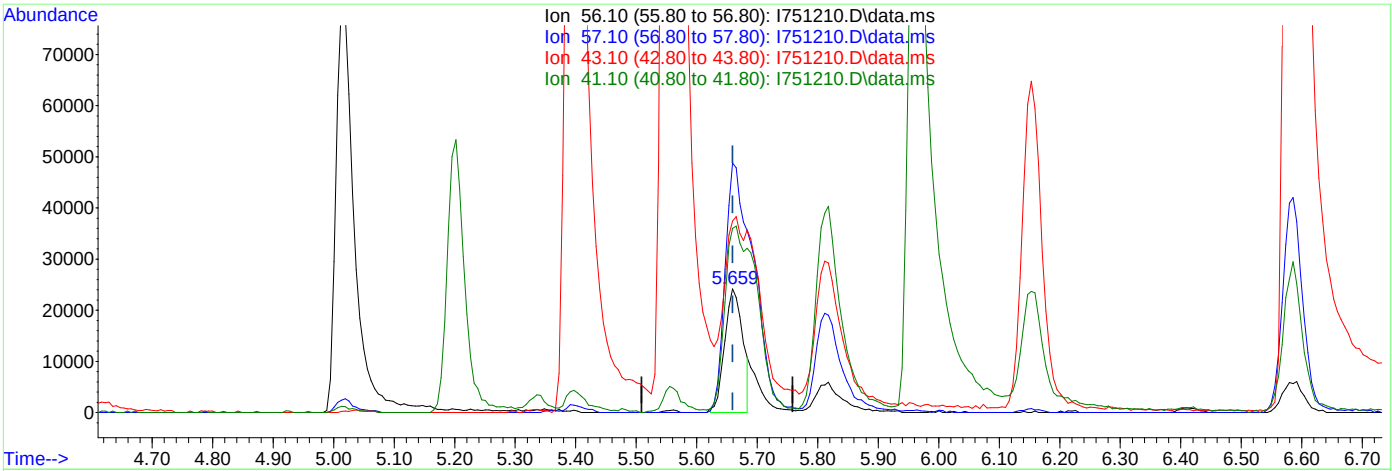
response 62415

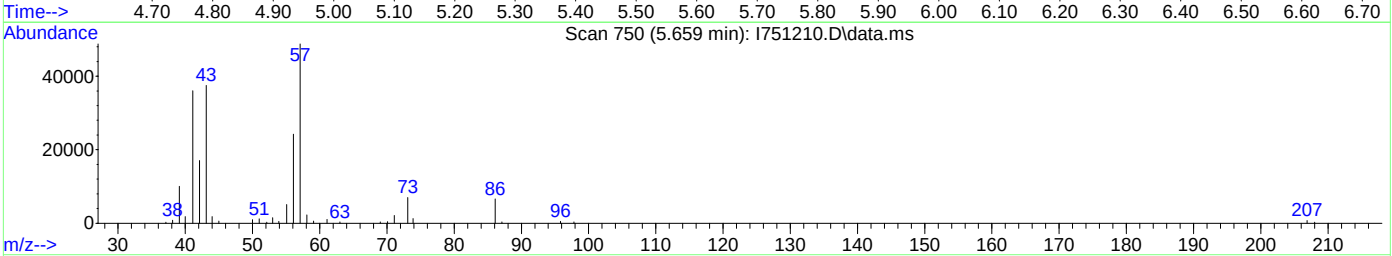
Ion	Exp%	Act%
56.10	100	100
57.10	202.30	201.59
43.10	153.70	130.80
41.10	148.20	146.34

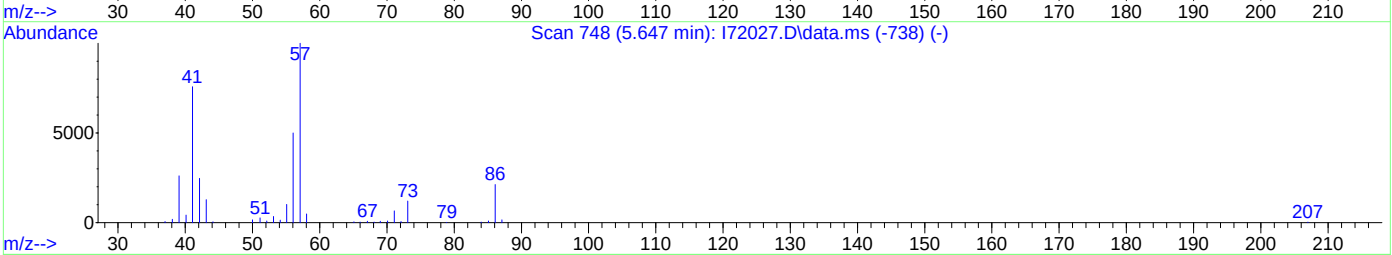
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751210.D
Acq On : 9 Sep 2022 11:16 am
Operator : joannel
Sample : IC2688-4
Misc : MS52329,VI2688,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 11:07:26 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration







TIC: I751210.D\data.ms

(22) Hexane

5.659min (+0.000) 22.90ug/L m

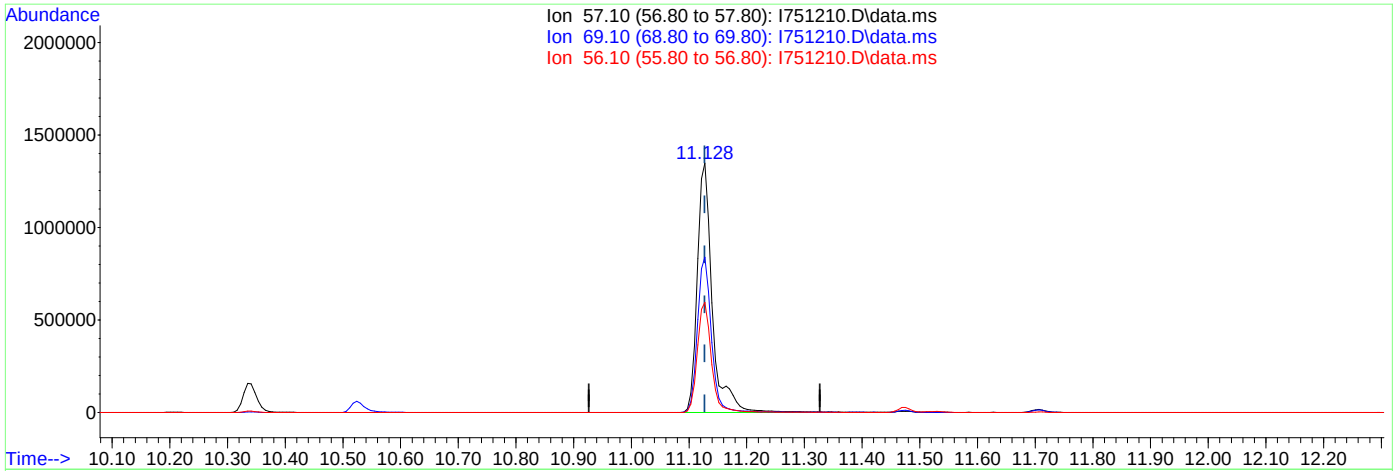
response 50217

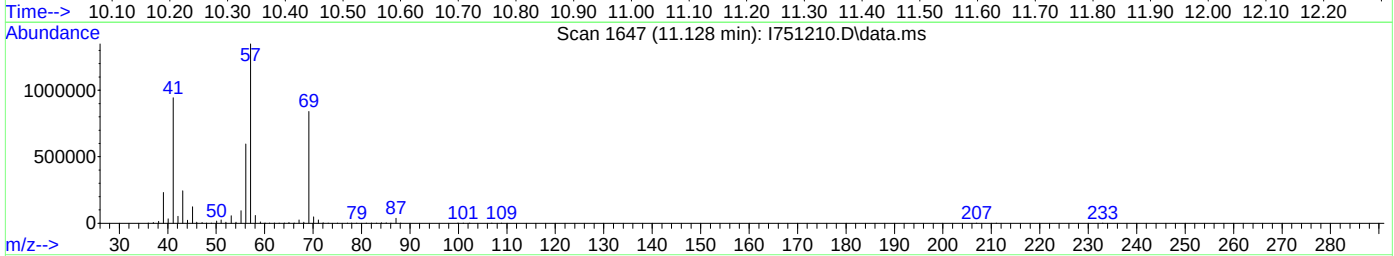
Ion	Exp%	Act%
56.10	100	100
57.10	202.30	201.59
43.10	153.70	154.71
41.10	148.20	148.73

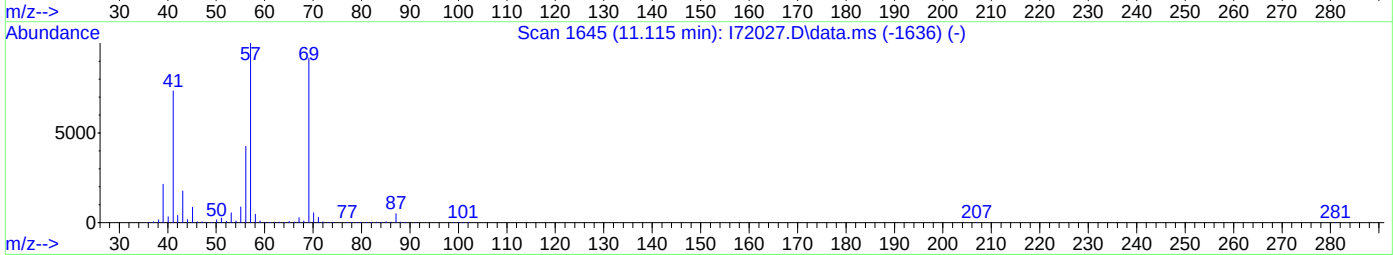
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751210.D
Acq On : 9 Sep 2022 11:16 am
Operator : joannel
Sample : IC2688-4
Misc : MS52329,VI2688,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 11:07:26 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration







TIC: I751210.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.128min (+0.001) 1548.31ug/L

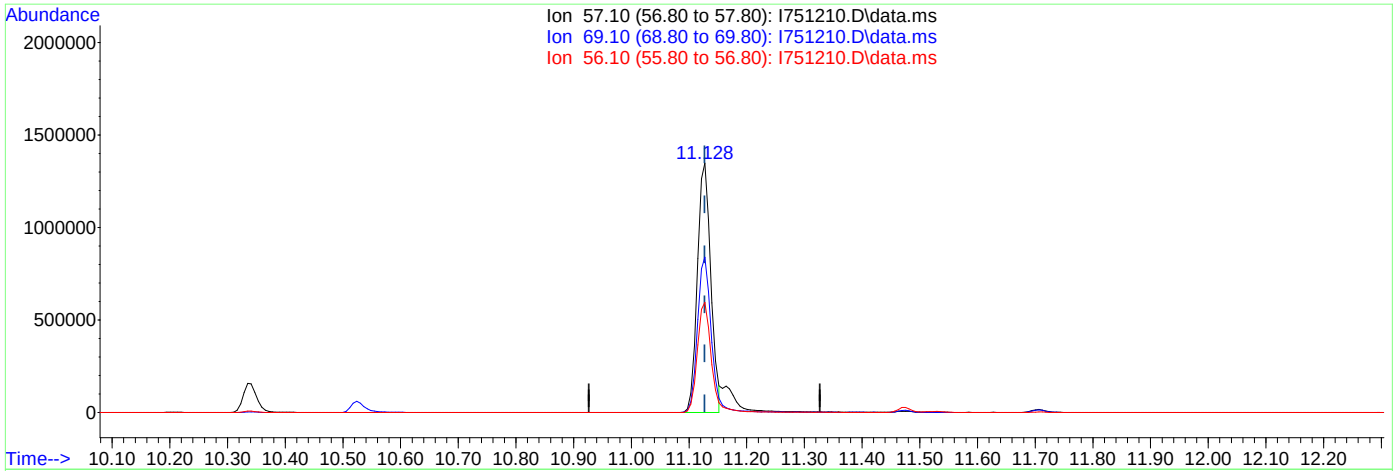
response 2469276

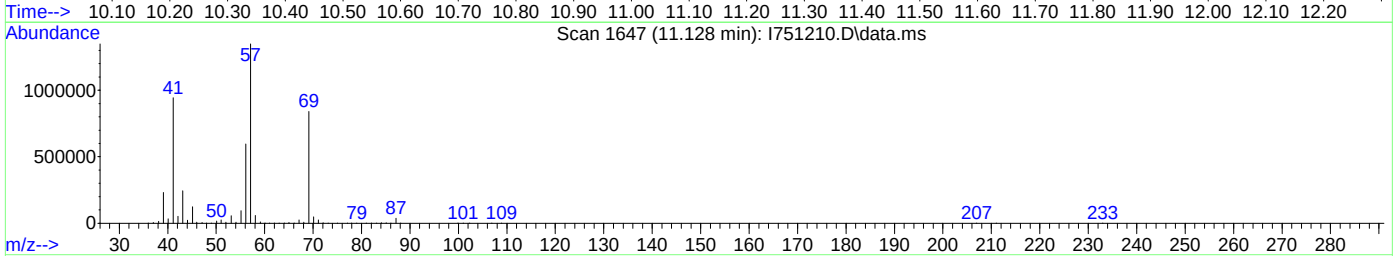
Ion	Exp%	Act%
57.10	100	100
69.10	62.70	62.19
56.10	44.70	44.12
0.00	0.00	0.00

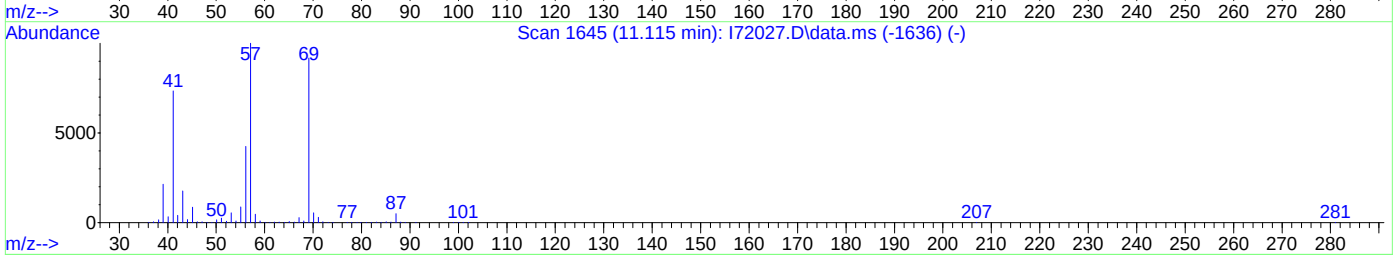
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751210.D
Acq On : 9 Sep 2022 11:16 am
Operator : joannel
Sample : IC2688-4
Misc : MS52329,VI2688,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 11:07:26 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration







TIC: I751210.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.128min (+0.001) 1379.37ug/L m

response 2192640

Ion	Exp%	Act%
57.10	100	100
69.10	62.70	62.25
56.10	44.70	44.12
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/12/22 12:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751211.D
Acq On : 9 Sep 2022 11:39 am
Operator : joannel
Sample : ICC2688-5
Misc : MS52329,VI2688,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 11:15:21 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.335	96	800671	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	606751	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	321515	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.451	113	224658	50.78	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.56%			
49) 1,2-Dichloroethane-d4	8.037	65	243941	48.62	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.24%			
63) Toluene-d8	9.951	98	829554	50.14	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.28%			
86) 4-Bromofluorobenzene	12.731	174	263961	49.41	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.82%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.385	85	142253	39.78	ug/L	99
3) Chloromethane	2.708	50	172404	36.83	ug/L	98
4) Vinyl Chloride	2.855	62	166232	39.29	ug/L	100
5) 1,3-Butadiene	2.897	39	136209	45.06	ug/L	95
6) Bromomethane	3.385	94	65635	28.96	ug/L	96
7) Chloroethane	3.580	64	78481	38.39	ug/L	96
8) Trichlorofluoromethane	3.794	101	210310	43.31	ug/L	100
9) Ethyl Ether	4.306	59	144086	48.07	ug/L	97
10) 1,2-Dichlorotrifluoroe...	4.556	67	177656	50.90	ug/L	99
11) 1,1-Dichloroethene	4.556	61	224258	44.75	ug/L	99
12) Ethanol	4.556	45	157190	949.64	ug/L	99
13) Freon 113	4.610	101	142355	50.99	ug/L	93
14) Carbon Disulfide	4.598	76	385283	44.23	ug/L	99
15) Iodomethane	4.751	142	112980	31.37	ug/L	95
16) Acrolein	5.013	56	292469	227.30	ug/L	99
17) Allyl chloride	5.196	41	179285	40.77	ug/L	99
18) Methylene Chloride	5.330	49	234515	43.51	ug/L	96
19) Acetone	5.397	43	618643	243.14	ug/L	100
20) Methyl acetate	5.555	43	1245818	254.29	ug/L	100
21) trans-1,2-Dichloroethene	5.555	61	211207	45.73	ug/L	97
22) Hexane	5.653	56	106702m	48.73	ug/L	
23) Methyl Tert Butyl Ether	5.689	73	411812	48.76	ug/L	85
24) Tert butyl alcohol	5.824	59	893868	528.23	ug/L	99
25) Acetonitrile	5.958	41	512882	490.23	ug/L	99
26) Di-isopropyl ether	6.153	45	515566	49.22	ug/L	99
27) Chloroprene	6.281	53	37343	39.79	ug/L	95
28) 1,1-Dichloroethane	6.299	63	263454	45.50	ug/L	97
29) Acrylonitrile	6.342	53	594630	236.46	ug/L	99
30) ETBE	6.586	59	491345	46.43	ug/L	97
31) Vinyl acetate	6.580	43	1751178	226.61	ug/L	99
32) cis-1,2-Dichloroethene	6.945	96	134703	44.75	ug/L	99
33) 2,2-Dichloropropane	7.061	77	213211	44.71	ug/L	99
34) Bromochloromethane	7.177	128	62565	46.91	ug/L	94
35) Cyclohexane	7.201	56	257241	47.31	ug/L	97
36) Chloroform	7.250	83	252526	45.96	ug/L	99
37) Ethyl acetate	7.360	43	1540348	229.29	ug/L	100
38) Tetrahydrofuran	7.445	42	145959	47.75	ug/L	97
40) Carbon Tetrachloride	7.433	117	185222	44.15	ug/L	99
41) 1,1,1-Trichloroethane	7.494	97	213801	43.96	ug/L	97
42) 2-Butanone	7.573	43	1005674	237.12	ug/L	99
43) 1,1-Dichloropropene	7.634	75	183515	44.86	ug/L	99
44) tert-Butyl Formate	7.732	59	786579	231.73	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751211.D
Acq On : 9 Sep 2022 11:39 am
Operator : joannel
Sample : ICC2688-5
Misc : MS52329,VI2688,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 11:15:21 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	7.890	54	621691	482.79	ug/L		97
46)	Methacrylonitrile	7.915	41	1626518	432.53	ug/L		99
47)	Benzene	7.902	78	521510	44.75	ug/L		95
48)	TAME	8.012	73	388646	45.40	ug/L		98
50)	Isobutyl alcohol	8.091	42	389492	1012.43	ug/L		97
51)	1,2-Dichloroethane	8.110	62	202081	44.92	ug/L		100
52)	Tert Amyl Alcohol	8.201	59	767692	515.25	ug/L		99
53)	Trichloroethene	8.530	95	138946	43.66	ug/L		98
54)	Methylcyclohexane	8.537	83	197321	47.16	ug/L		99
55)	Dibromomethane	8.975	93	90690	45.93	ug/L		96
56)	1,2-Dichloropropane	9.061	63	150725	45.25	ug/L		97
57)	Bromodichloromethane	9.122	83	179840	44.99	ug/L		99
58)	Methyl methacrylate	9.244	41	175115	42.03	ug/L		98
59)	1,4-Dioxane	9.317	88	109710	973.67	ug/L		97
60)	2-Chloroethyl vinyl ether	9.664	63	598099	219.61	ug/L		99
61)	cis-1,3-Dichloropropene	9.756	75	214550	46.85	ug/L		99
64)	Toluene	10.000	91	546982	42.57	ug/L		100
65)	2-Nitropropane	10.201	41	441715	242.25	ug/L		98
66)	4-Methyl-2-pentanone	10.335	43	1616019	232.27	ug/L		99
67)	trans-1,3-Dichloropropene	10.402	75	182950	45.88	ug/L		96
68)	Tetrachloroethene	10.414	166	148934	41.05	ug/L		96
69)	Ethyl methacrylate	10.524	69	185259	41.57	ug/L		99
70)	1,1,2-Trichloroethane	10.567	83	108974	43.81	ug/L		98
71)	Dibromochloromethane	10.762	129	143852	44.02	ug/L		97
72)	1,3-Dichloropropane	10.847	76	218480	43.90	ug/L		99
73)	1,2-Dibromoethane	11.018	107	138452	44.27	ug/L		94
74)	3,3-dimethyl-1-butanol	11.127	57	3825949m	2394.25	ug/L		
75)	2-hexanone	11.164	43	1379026	219.70	ug/L		98
76)	1-Chlorohexane	11.475	91	168699	41.77	ug/L		96
77)	Ethylbenzene	11.536	91	597657	41.24	ug/L		100
78)	Chlorobenzene	11.530	112	343033	41.94	ug/L		99
79)	1,1,1,2-Tetrachloroethane	11.585	131	130506	42.70	ug/L		97
80)	m,p-Xylene	11.676	91	916361	84.54	ug/L		100
81)	o-Xylene	12.115	91	463703	43.08	ug/L		98
82)	Styrene	12.164	104	336524	43.27	ug/L		99
83)	Bromoform	12.219	173	108733	45.50	ug/L		98
84)	Isopropylbenzene	12.420	105	558233	42.20	ug/L		99
87)	cis-1,4-Dichloro-2-butene	12.767	53	85450	39.80	ug/L		98
88)	n-Propylbenzene	12.841	91	664945	39.83	ug/L		98
89)	Bromobenzene	12.853	156	146305	39.99	ug/L		98
90)	1,1,2,2-Tetrachloroethane	12.902	83	223248	41.17	ug/L		98
91)	1,3,5-Trimethylbenzene	13.023	105	459364	39.50	ug/L		99
92)	2-Chlorotoluene	13.023	91	434967	39.47	ug/L		98
93)	trans-1,4-Dichloro-2-B...	13.078	53	83914	40.76	ug/L		96
94)	1,2,3-Trichloropropane	13.054	110	71758	41.20	ug/L		96
95)	Cyclohexanone	13.115	55	124973	227.71	ug/L		97
96)	4-Chlorotoluene	13.194	91	395889	39.67	ug/L		99
97)	tert-Butylbenzene	13.365	91	252330	38.11	ug/L		98
98)	1,2,4-Trimethylbenzene	13.432	105	453601	40.49	ug/L		100
99)	Pentachloroethane	13.414	167	81110	37.36	ug/L		98
100)	sec-Butylbenzene	13.548	105	520891	37.88	ug/L		100
101)	4-Isopropyltoluene	13.682	119	455308	39.84	ug/L		99
102)	1,3-Dichlorobenzene	13.810	146	254887	40.62	ug/L		99
103)	1,2,3-Trimethylbenzene	13.895	105	230462	19.81	ug/L		98
104)	1,4-Dichlorobenzene	13.895	146	264668	38.69	ug/L		100
105)	n-Butylbenzene	14.121	92	237433	36.54	ug/L		91
106)	Benzyl Chloride	14.133	126	74146	41.75	ug/L	#	87
107)	1,2-Dichlorobenzene	14.334	146	227331	36.58	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751211.D
Acq On : 9 Sep 2022 11:39 am
Operator : joannel
Sample : ICC2688-5
Misc : MS52329,VI2688,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 11:15:21 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	63486	39.16	ug/L	98
109) Hexachlorobutadiene	15.651	225	59180	31.18	ug/L	98
110) 1,2,4-Trichlorobenzene	15.694	180	140855	34.51	ug/L	96
111) Naphthalene	15.968	128	507029	36.84	ug/L	100
112) 1,2,3-Trichlorobenzene	16.133	180	154132	37.58	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

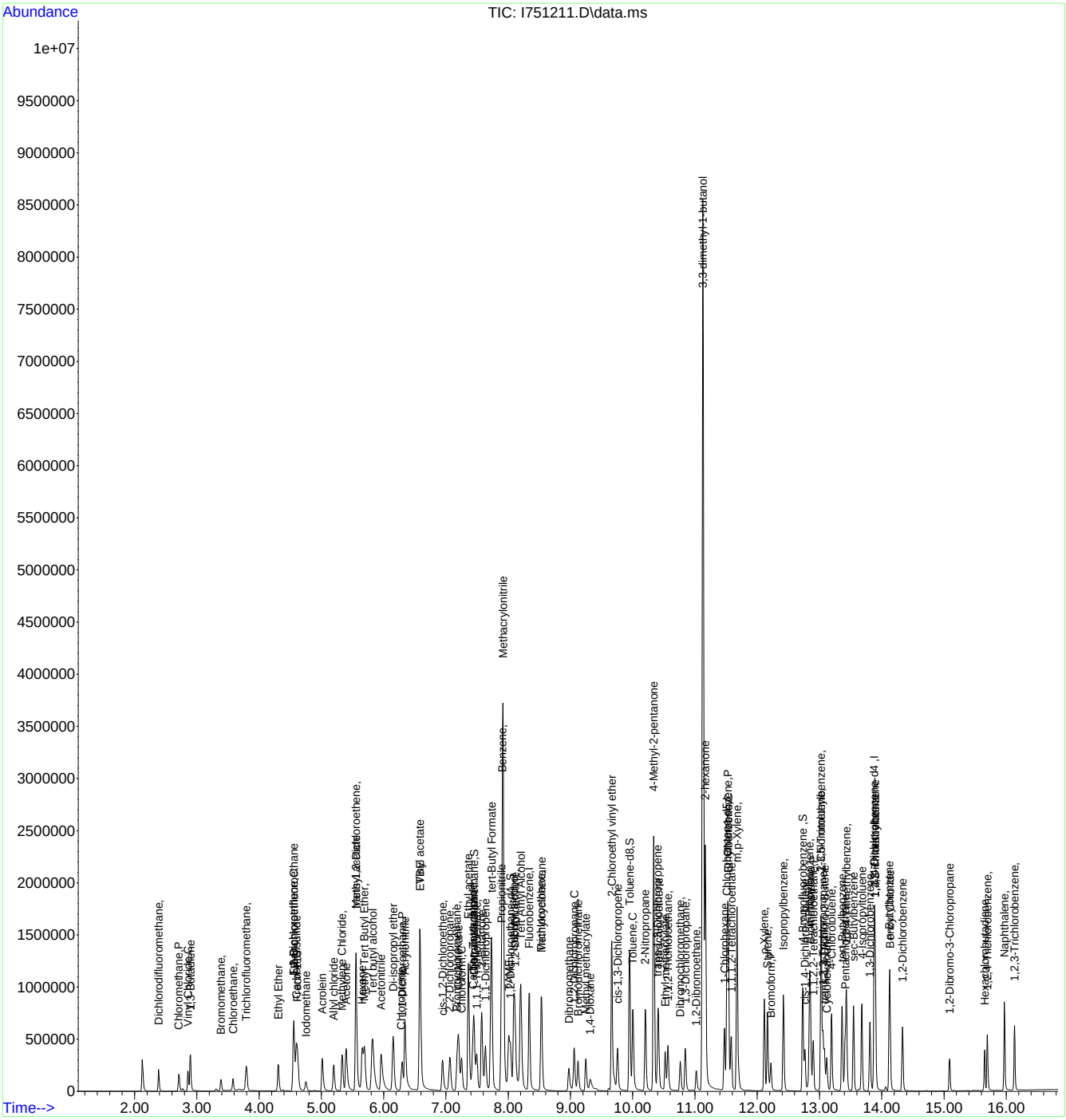
7.6.5

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751211.D
Acq On : 9 Sep 2022 11:39 am
Operator : joannel
Sample : ICC2688-5
Misc : MS52329,VI2688,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 11:15:21 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration



Manual Integration Approval Summary

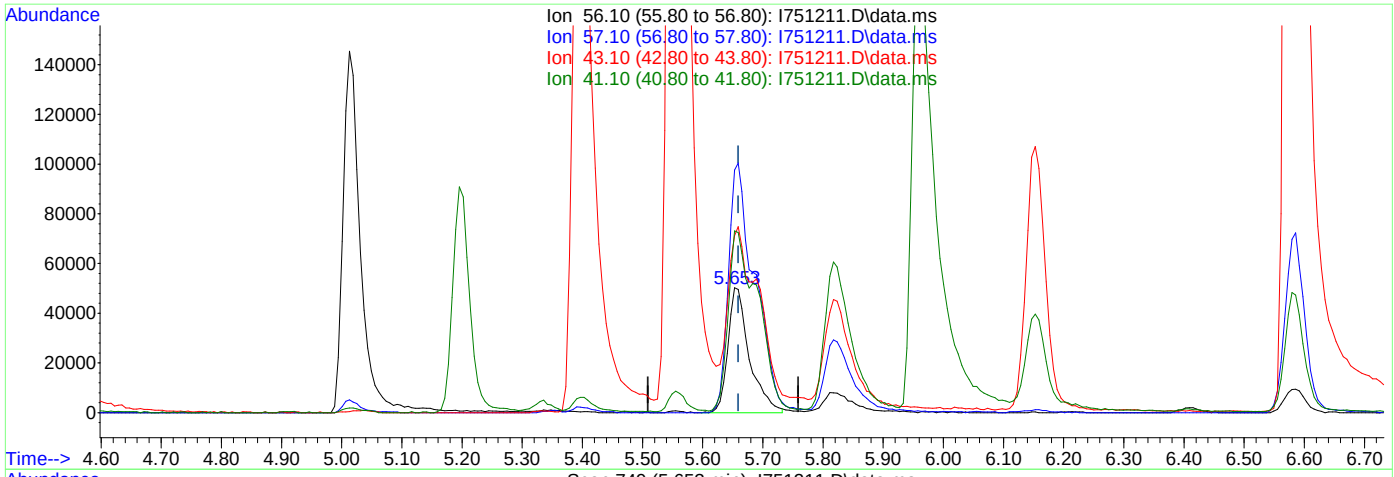
Sample Number: VI2688-ICC2688
Lab FileID: I751211.D
Injection Time: 09/09/22 11:39
Method: SW846 8260D
Analyst approved: 09/12/22 11:43 Jo-Ann Lugo De Jesus
Supervisor approved: 09/12/22 12:46 Karen Watson

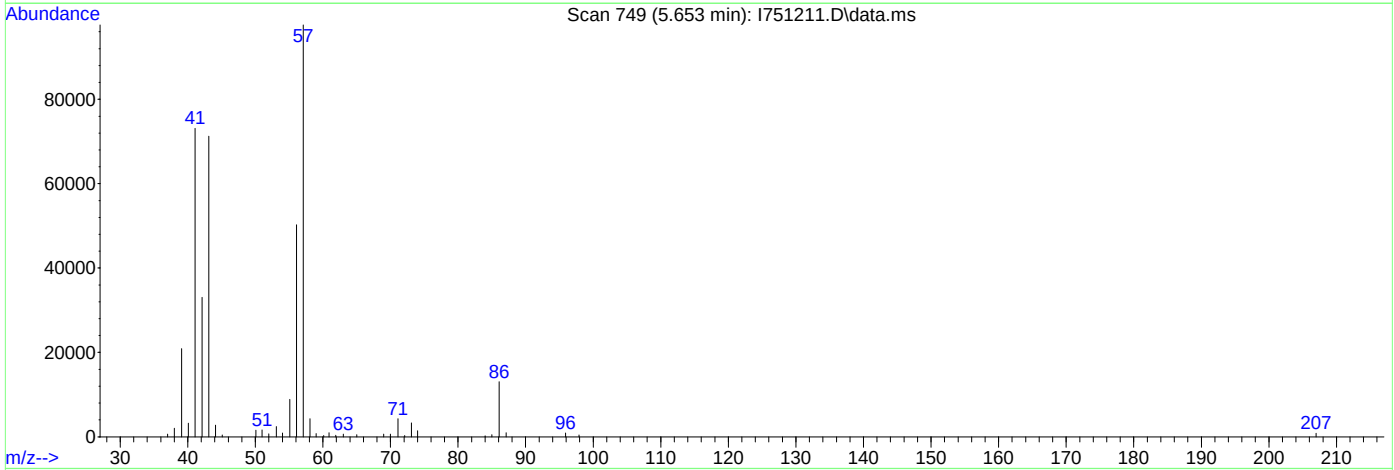
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.65	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.13	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751211.D
Acq On : 9 Sep 2022 11:39 am
Operator : joannel
Sample : ICC2688-5
Misc : MS52329,VI2688,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 11:07:28 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751211.D\data.ms

(22) Hexane

5.653min (-0.006) 56.89ug/L

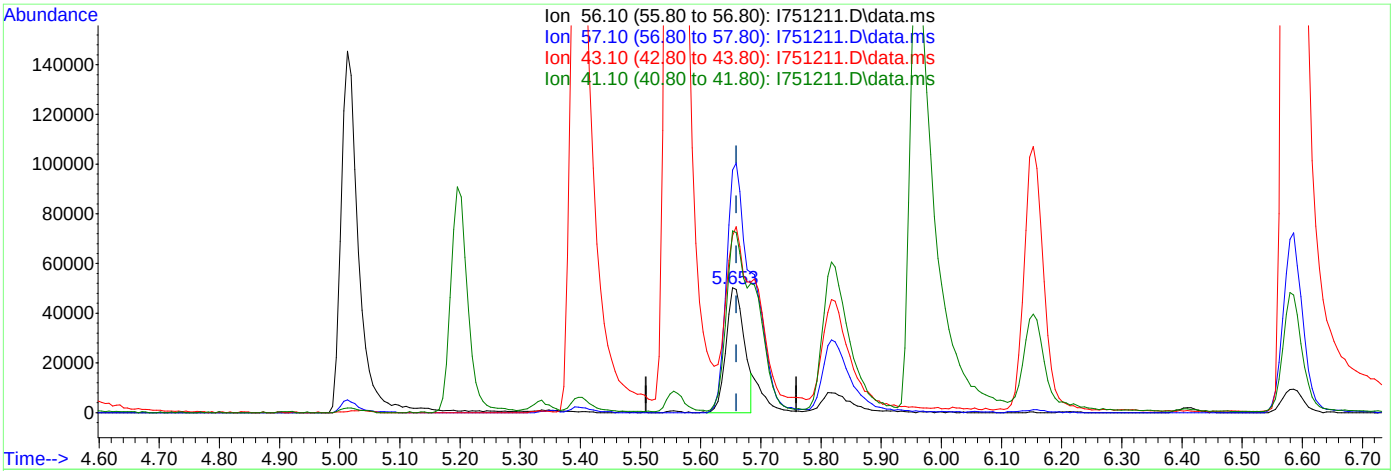
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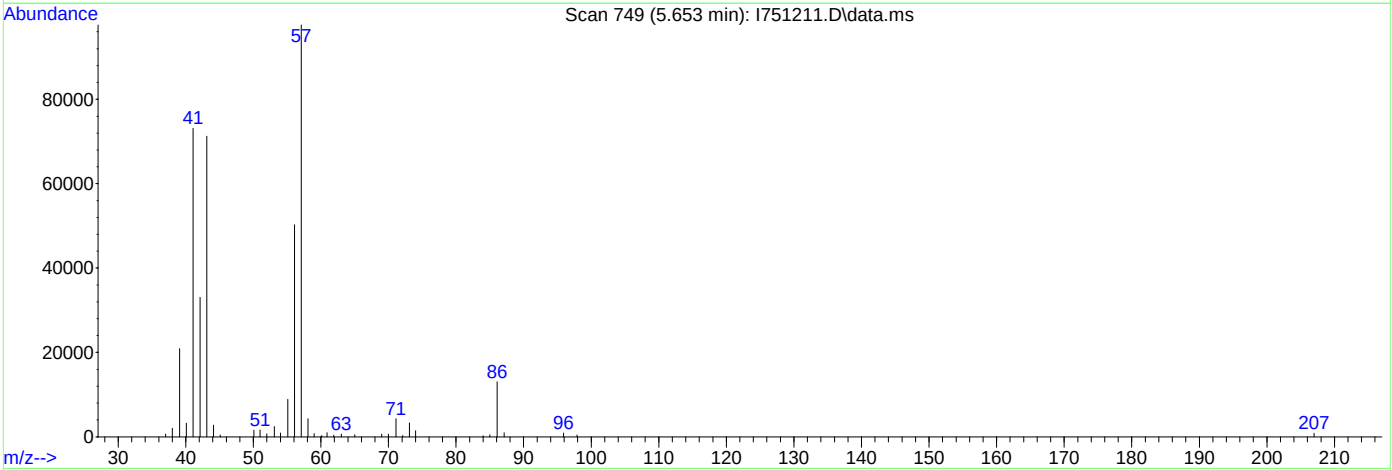
Ion	Exp%	Act%
56.10	100	100
57.10	202.30	194.35
43.10	153.70	127.45
41.10	148.20	143.52

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751211.D
Acq On : 9 Sep 2022 11:39 am
Operator : joannel
Sample : ICC2688-5
Misc : MS52329,VI2688,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 11:07:28 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751211.D\data.ms

(22) Hexane

5.653min (-0.006) 48.73ug/L m

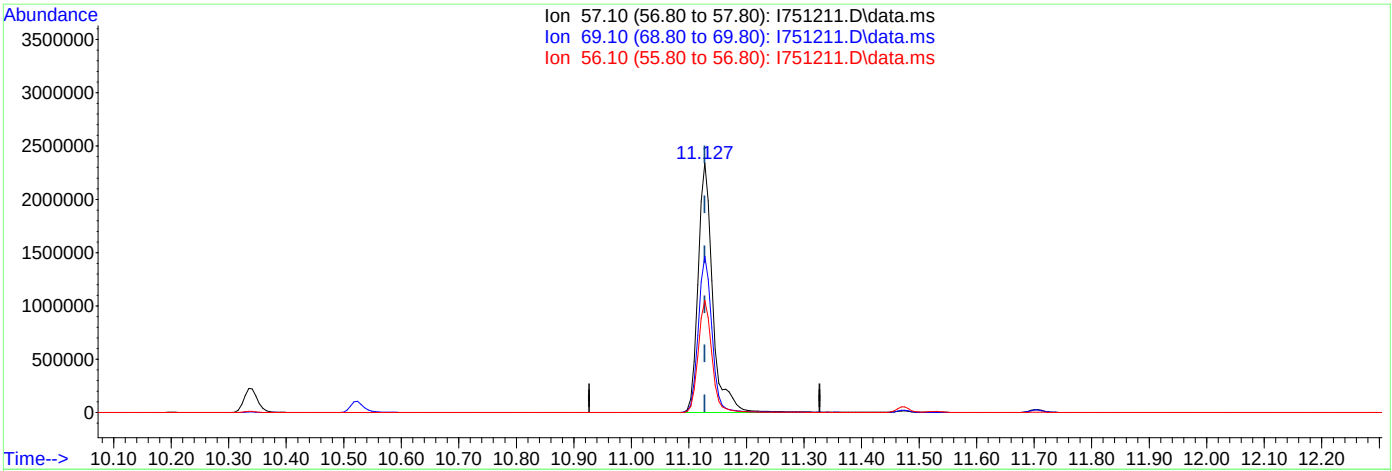
response 106702

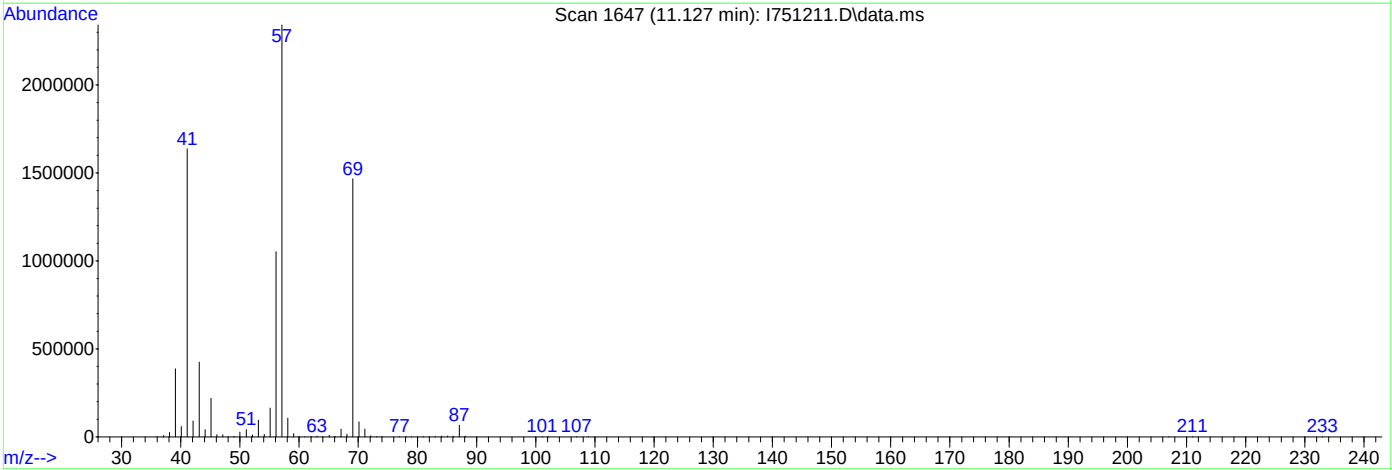
Ion	Exp%	Act%
56.10	100	100
57.10	202.30	194.35
43.10	153.70	141.78
41.10	148.20	145.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751211.D
Acq On : 9 Sep 2022 11:39 am
Operator : joannel
Sample : ICC2688-5
Misc : MS52329,VI2688,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 11:07:28 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751211.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.127min (+0.000) 2590.16ug/L

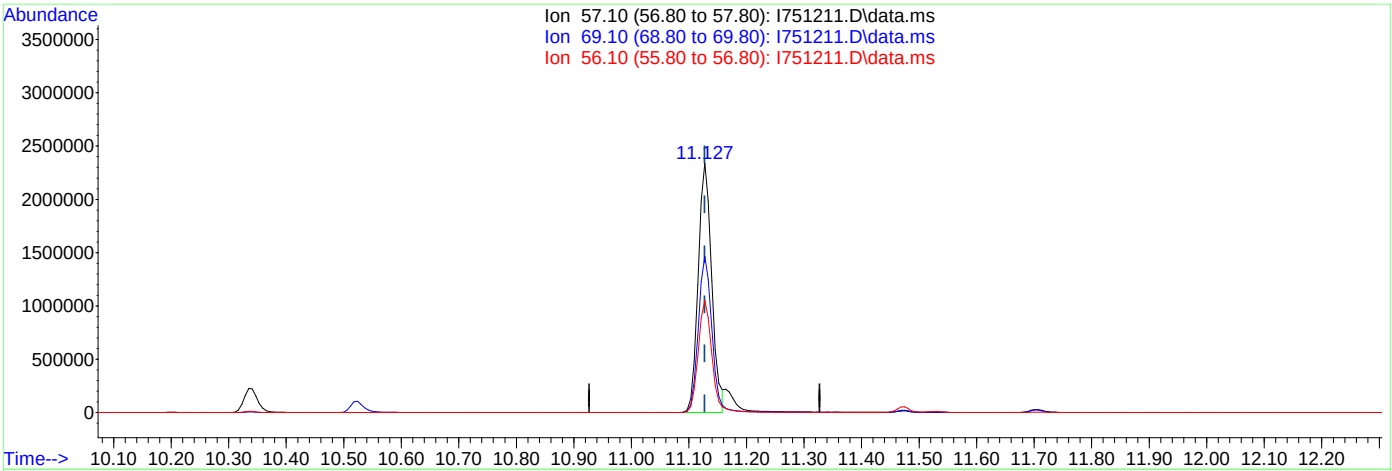
response 4154494

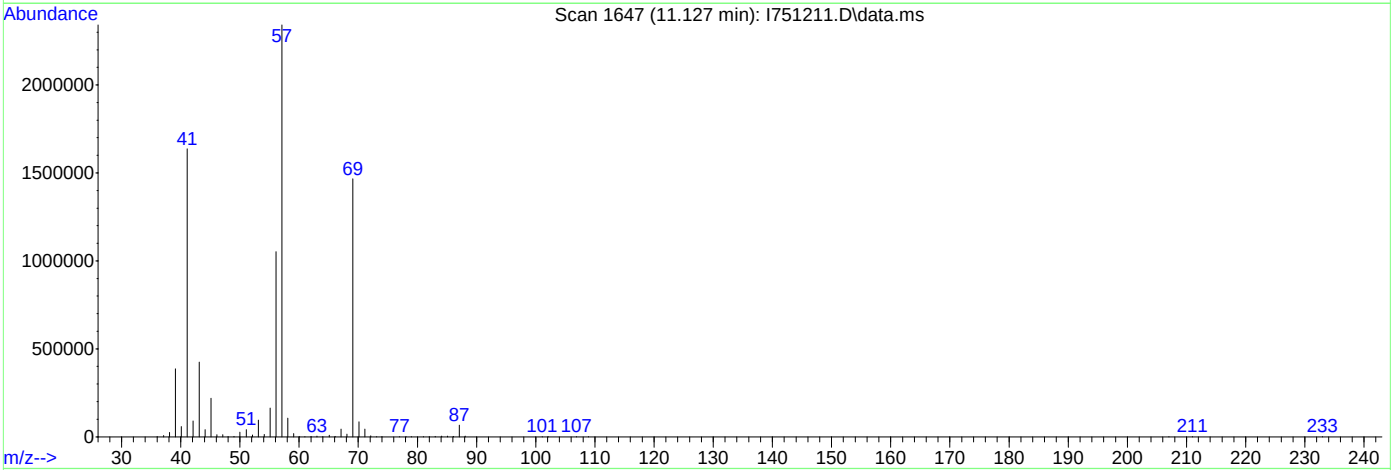
Ion	Exp%	Act%
57.10	100	100
69.10	62.70	62.54
56.10	44.70	44.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751211.D
Acq On : 9 Sep 2022 11:39 am
Operator : joannel
Sample : ICC2688-5
Misc : MS52329,VI2688,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 11:07:28 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751211.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.127min (+0.000) 2394.25ug/L m

response 3825949

Ion	Exp%	Act%
57.10	100	100
69.10	62.70	62.59
56.10	44.70	44.93
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/12/22 12:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751212.D
Acq On : 9 Sep 2022 12:03 pm
Operator : joannel
Sample : IC2688-6
Misc : MS52329,VI2688,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 12 11:15:59 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.335	96	842115	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	647917	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	327598	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.451	113	235708	50.65	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.30%			
49) 1,2-Dichloroethane-d4	8.037	65	255708	48.46	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.92%			
63) Toluene-d8	9.951	98	862740	48.83	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.66%			
86) 4-Bromofluorobenzene	12.731	174	272862	50.13	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.26%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.385	85	260528	71.58	ug/L	99
3) Chloromethane	2.708	50	326316	66.28	ug/L	98
4) Vinyl Chloride	2.855	62	311835	70.08	ug/L	100
5) 1,3-Butadiene	2.898	39	233407	78.79	ug/L	96
6) Bromomethane	3.385	94	117685	50.96	ug/L	95
7) Chloroethane	3.580	64	144018	74.33	ug/L	98
8) Trichlorofluoromethane	3.794	101	329978	73.25	ug/L	97
9) Ethyl Ether	4.318	59	261793	83.05	ug/L	98
10) 1,2-Dichlorotrifluoroe...	4.556	67	328540	89.49	ug/L	99
11) 1,1-Dichloroethene	4.550	61	415451	78.83	ug/L	98
12) Ethanol	4.592	45	287556	1651.72	ug/L	98
13) Freon 113	4.611	101	259118	88.24	ug/L	99
14) Carbon Disulfide	4.592	76	713345	77.86	ug/L	99
15) Iodomethane	4.751	142	213579	57.25	ug/L	97
16) Acrolein	5.019	56	523287	377.98	ug/L	100
17) Allyl chloride	5.196	41	307036	66.39	ug/L	96
18) Methylene Chloride	5.330	49	414581	81.70	ug/L	98
19) Acetone	5.403	43	1156409	432.13	ug/L	99
20) Methyl acetate	5.562	43	2317322	449.72	ug/L	99
21) trans-1,2-Dichloroethene	5.549	61	390148	80.31	ug/L	98
22) Hexane	5.653	56	185194m	80.41	ug/L	
23) Methyl Tert Butyl Ether	5.696	73	749778	84.41	ug/L	90
24) Tert butyl alcohol	5.836	59	1663903	934.88	ug/L	99
25) Acetonitrile	5.964	41	926129	841.65	ug/L	97
26) Di-isopropyl ether	6.153	45	952494	86.45	ug/L	99
27) Chloroprene	6.281	53	69190	70.10	ug/L	95
28) 1,1-Dichloroethane	6.299	63	481899	79.14	ug/L	99
29) Acrylonitrile	6.342	53	1096254	414.48	ug/L	98
30) ETBE	6.586	59	906545	81.44	ug/L	99
31) Vinyl acetate	6.580	43	3181996	378.98	ug/L	99
32) cis-1,2-Dichloroethene	6.945	96	248415	78.47	ug/L	97
33) 2,2-Dichloropropane	7.061	77	395129	78.77	ug/L	98
34) Bromochloromethane	7.177	128	114407	81.56	ug/L	96
35) Cyclohexane	7.202	56	477222	83.45	ug/L	97
36) Chloroform	7.250	83	439536	76.06	ug/L	99
37) Ethyl acetate	7.360	43	2780099	393.46	ug/L	99
38) Tetrahydrofuran	7.445	42	264467	82.27	ug/L	98
40) Carbon Tetrachloride	7.433	117	342734	77.67	ug/L	99
41) 1,1,1-Trichloroethane	7.494	97	395400	77.30	ug/L	98
42) 2-Butanone	7.573	43	1899381	415.82	ug/L	99
43) 1,1-Dichloropropene	7.634	75	343405	79.81	ug/L	97
44) tert-Butyl Formate	7.732	59	1434438	386.35	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751212.D
Acq On : 9 Sep 2022 12:03 pm
Operator : joannel
Sample : IC2688-6
Misc : MS52329,VI2688,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 12 11:15:59 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	7.890	54	1137515	839.90	ug/L		98
46) Methacrylonitrile	7.921	41	2942792	744.04	ug/L		99
47) Benzene	7.903	78	956294	78.02	ug/L		100
48) TAME	8.012	73	705833	78.39	ug/L		98
50) Isobutyl alcohol	8.104	42	723806	1788.84	ug/L		98
51) 1,2-Dichloroethane	8.110	62	368756	77.94	ug/L		98
52) Tert Amyl Alcohol	8.214	59	1422328	907.63	ug/L		98
53) Trichloroethene	8.531	95	259423	77.51	ug/L		99
54) Methylcyclohexane	8.537	83	356906	81.11	ug/L		98
55) Dibromomethane	8.969	93	166531	80.19	ug/L		96
56) 1,2-Dichloropropane	9.061	63	276329	78.88	ug/L		98
57) Bromodichloromethane	9.122	83	329515	78.38	ug/L		99
58) Methyl methacrylate	9.244	41	327872	74.82	ug/L		96
59) 1,4-Dioxane	9.323	88	200349	1633.29	ug/L		98
60) 2-Chloroethyl vinyl ether	9.664	63	1087438	372.61	ug/L		99
61) cis-1,3-Dichloropropene	9.756	75	398444	82.72	ug/L		99
64) Toluene	10.000	91	1006681	73.37	ug/L		99
65) 2-Nitropropane	10.207	41	826847	424.66	ug/L		96
66) 4-Methyl-2-pentanone	10.341	43	3009816	405.12	ug/L		99
67) trans-1,3-Dichloropropene	10.402	75	341536	80.22	ug/L		99
68) Tetrachloroethene	10.414	166	272174	70.26	ug/L		96
69) Ethyl methacrylate	10.518	69	338076	71.04	ug/L		96
70) 1,1,2-Trichloroethane	10.567	83	196912	74.13	ug/L		98
71) Dibromochloromethane	10.762	129	271373	77.76	ug/L		97
72) 1,3-Dichloropropane	10.841	76	401032	75.45	ug/L		98
73) 1,2-Dibromoethane	11.018	107	257731	77.17	ug/L		94
74) 3,3-dimethyl-1-butanol	11.134	57	6869244m	3912.23	ug/L		
75) 2-hexanone	11.164	43	2599196	398.48	ug/L		98
76) 1-Chlorohexane	11.475	91	313090	72.59	ug/L		99
77) Ethylbenzene	11.536	91	1112915	71.92	ug/L		99
78) Chlorobenzene	11.530	112	632950	72.48	ug/L		99
79) 1,1,1,2-Tetrachloroethane	11.585	131	241727	74.07	ug/L		98
80) m,p-Xylene	11.676	91	1697572	146.66	ug/L		100
81) o-Xylene	12.115	91	858681	74.71	ug/L		99
82) Styrene	12.164	104	644416	77.59	ug/L		99
83) Bromoform	12.219	173	205548	80.55	ug/L		99
84) Isopropylbenzene	12.420	105	1044524	73.95	ug/L		99
87) cis-1,4-Dichloro-2-butene	12.761	53	158389	72.40	ug/L		92
88) n-Propylbenzene	12.841	91	1242017	73.02	ug/L		99
89) Bromobenzene	12.853	156	269368	72.26	ug/L		95
90) 1,1,2,2-Tetrachloroethane	12.902	83	406363	73.55	ug/L		99
91) 1,3,5-Trimethylbenzene	13.024	105	862167	72.75	ug/L		100
92) 2-Chlorotoluene	13.024	91	814503	72.54	ug/L		97
93) trans-1,4-Dichloro-2-B...	13.078	53	156486	74.61	ug/L		90
94) 1,2,3-Trichloropropane	13.054	110	133268	75.10	ug/L		92
95) Cyclohexanone	13.115	55	231983	414.85	ug/L		98
96) 4-Chlorotoluene	13.188	91	742933	73.07	ug/L		98
97) tert-Butylbenzene	13.359	91	474780	70.37	ug/L		97
98) 1,2,4-Trimethylbenzene	13.432	105	850931	74.54	ug/L		99
99) Pentachloroethane	13.414	167	148651	67.19	ug/L		96
100) sec-Butylbenzene	13.548	105	974061	69.51	ug/L		99
101) 4-Isopropyltoluene	13.682	119	854043	73.35	ug/L		99
102) 1,3-Dichlorobenzene	13.810	146	477105	74.62	ug/L		99
103) 1,2,3-Trimethylbenzene	13.895	105	426347	35.97	ug/L		99
104) 1,4-Dichlorobenzene	13.895	146	483304	69.34	ug/L		98
105) n-Butylbenzene	14.121	92	487982	73.70	ug/L		90
106) Benzyl Chloride	14.133	126	153380	74.34	ug/L	#	76
107) 1,2-Dichlorobenzene	14.334	146	455791	71.99	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751212.D
Acq On : 9 Sep 2022 12:03 pm
Operator : joannel
Sample : IC2688-6
Misc : MS52329,VI2688,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 12 11:15:59 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

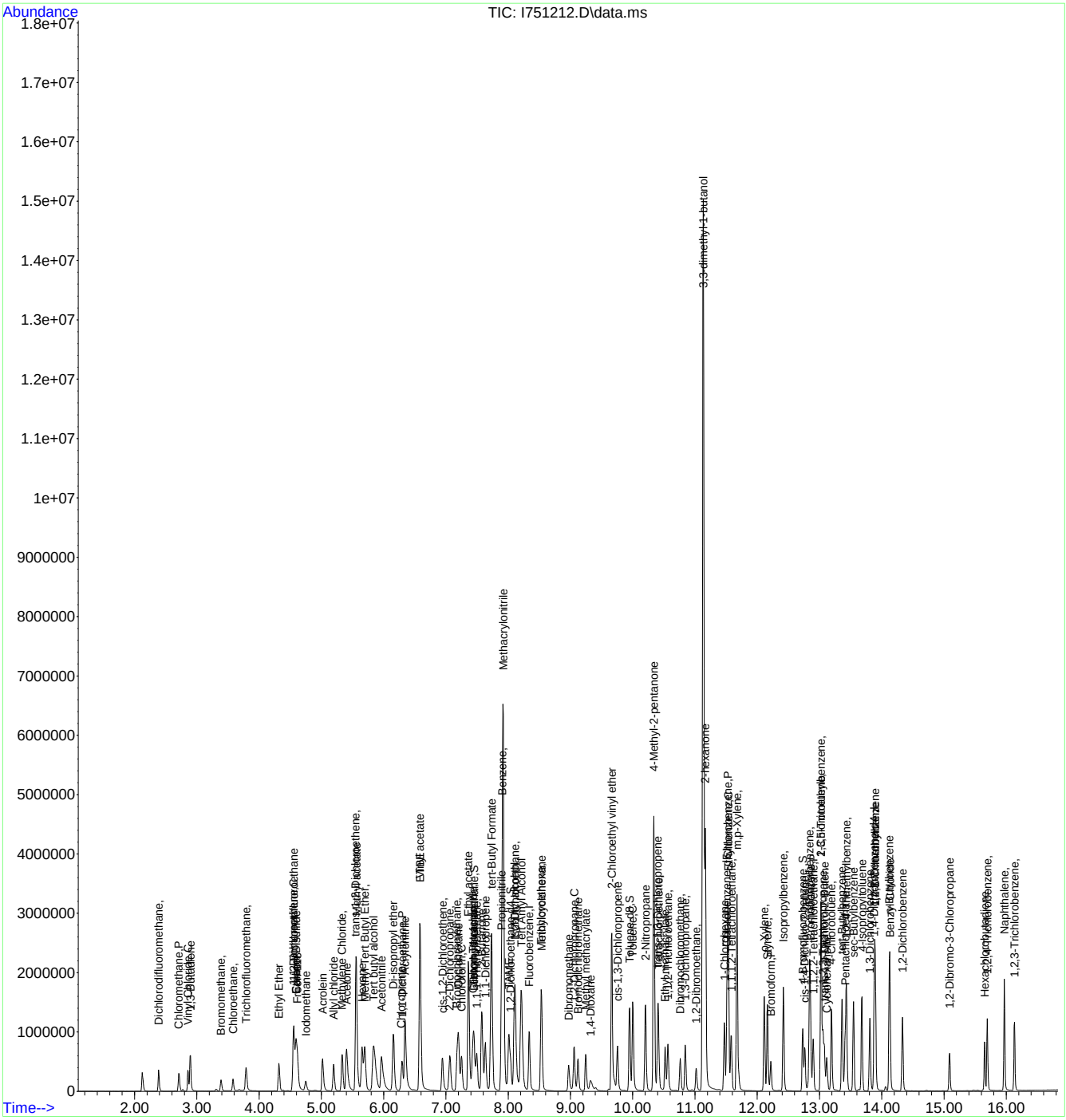
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	130546	79.04	ug/L	95
109) Hexachlorobutadiene	15.651	225	121380	62.76	ug/L	97
110) 1,2,4-Trichlorobenzene	15.694	180	296471	71.29	ug/L	99
111) Naphthalene	15.968	128	1078926	76.94	ug/L	100
112) 1,2,3-Trichlorobenzene	16.133	180	287449	68.78	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751212.D
Acq On : 9 Sep 2022 12:03 pm
Operator : joannel
Sample : IC2688-6
Misc : MS52329,VI2688,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 12 11:15:59 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration



Manual Integration Approval Summary

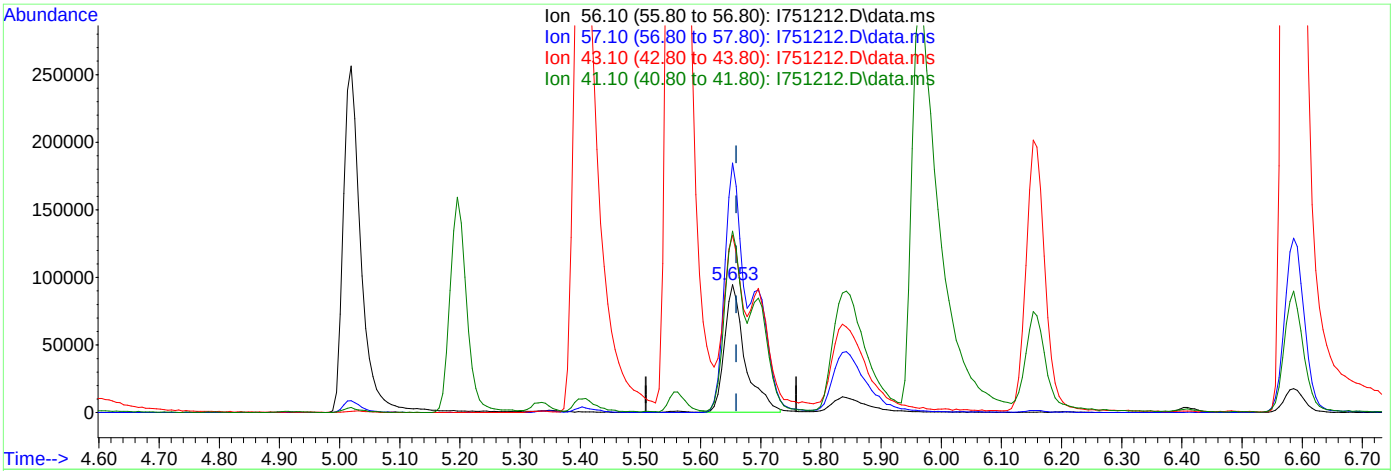
Sample Number: VI2688-IC2688
Lab FileID: I751212.D
Injection Time: 09/09/22 12:03
Method: SW846 8260D
Analyst approved: 09/12/22 11:43 Jo-Ann Lugo De Jesus
Supervisor approved: 09/12/22 12:46 Karen Watson

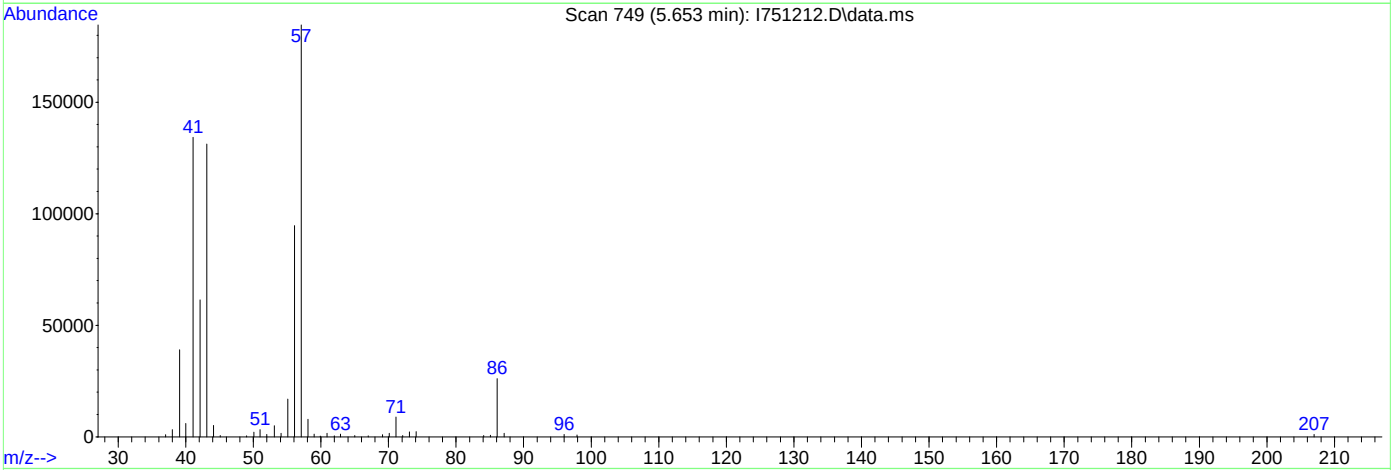
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.65	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.13	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751212.D
Acq On : 9 Sep 2022 12:03 pm
Operator : joannel
Sample : IC2688-6
Misc : MS52329,VI2688,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 12 11:07:31 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751212.D\data.ms

(22) Hexane

5.653min (-0.006) 97.17ug/L

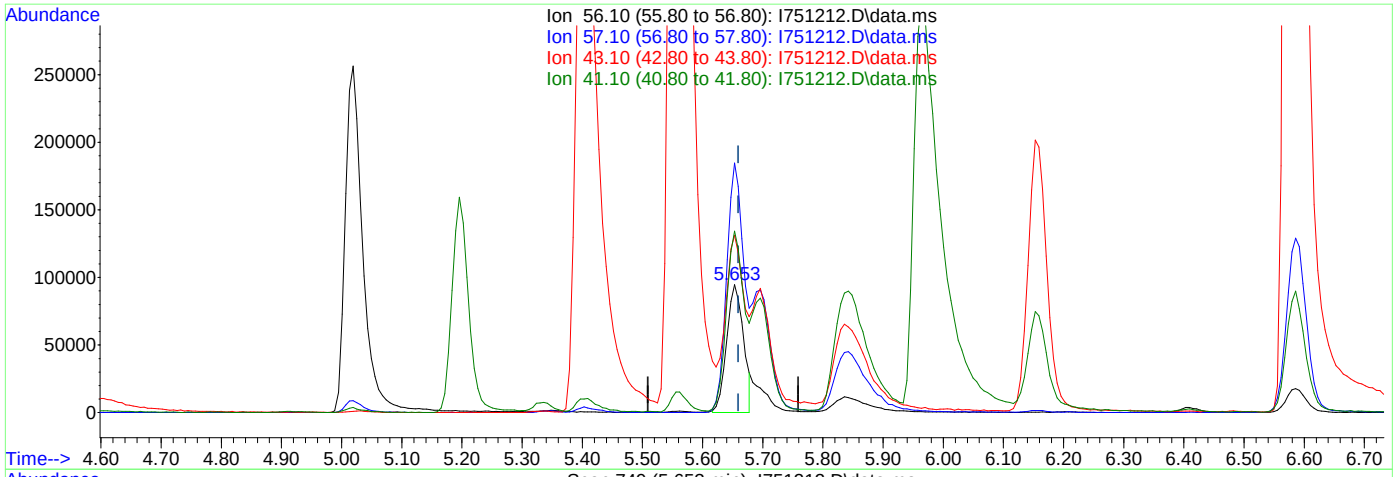
response 223773

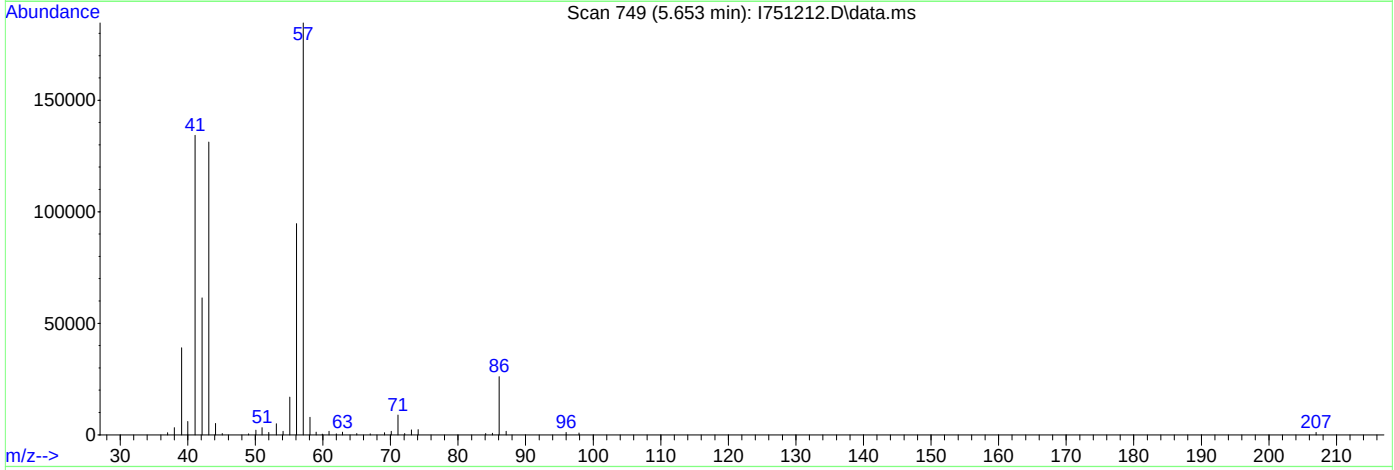
Ion	Exp%	Act%
56.10	100	100
57.10	202.30	195.62
43.10	153.70	124.41
41.10	148.20	140.44

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751212.D
Acq On : 9 Sep 2022 12:03 pm
Operator : joannel
Sample : IC2688-6
Misc : MS52329,VI2688,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 12 11:07:31 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751212.D\data.ms

(22) Hexane

5.653min (-0.006) 80.41ug/L m

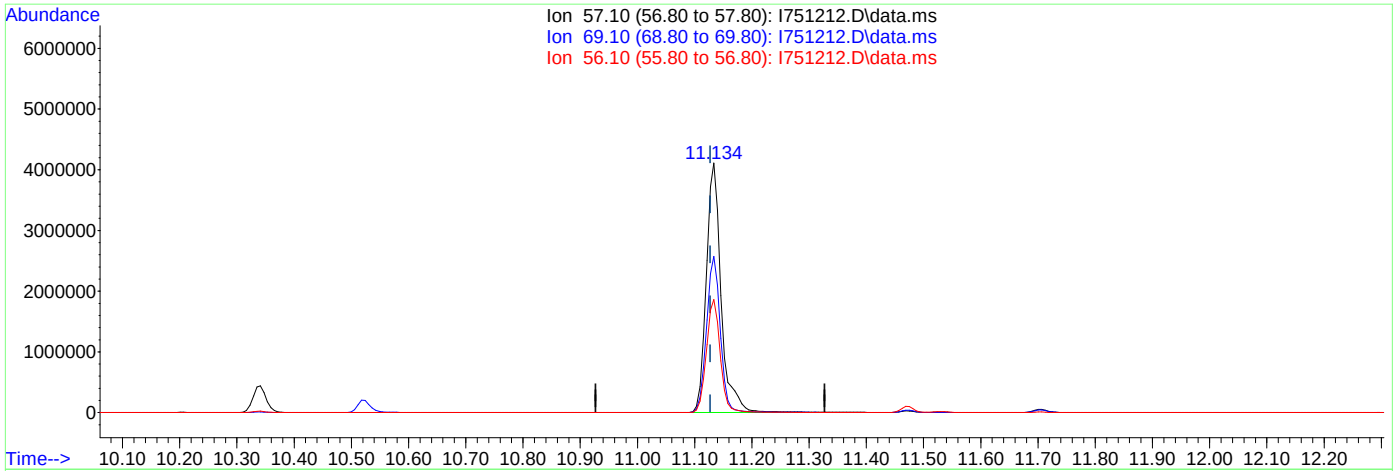
response 185194

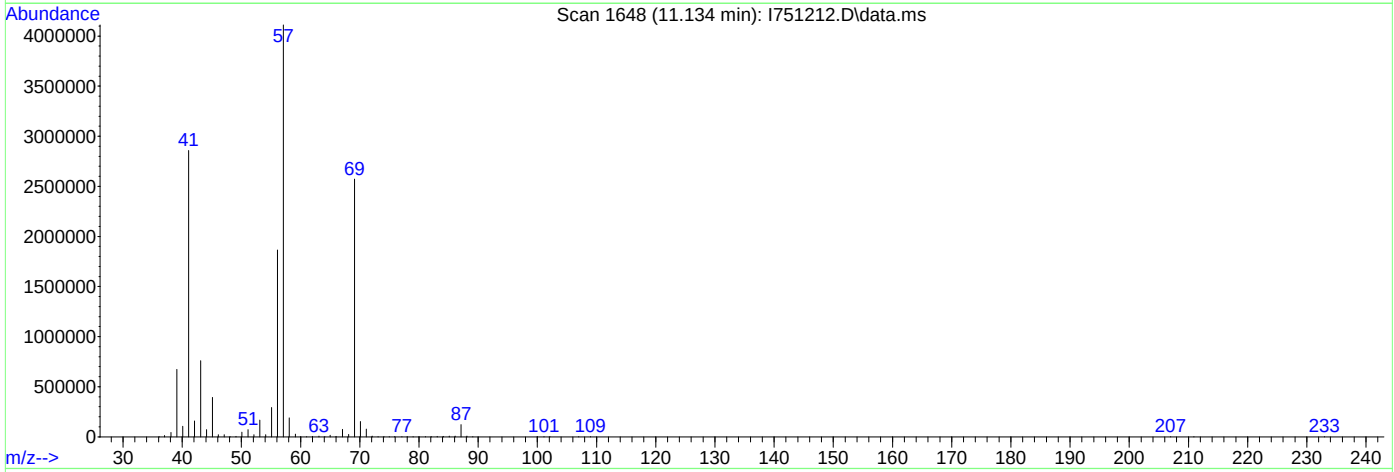
Ion	Exp%	Act%
56.10	100	100
57.10	202.30	195.10
43.10	153.70	138.58
41.10	148.20	141.76

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751212.D
Acq On : 9 Sep 2022 12:03 pm
Operator : joannel
Sample : IC2688-6
Misc : MS52329,VI2688,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 12 11:07:31 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751212.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.134min (+0.007) 4220.30ug/L

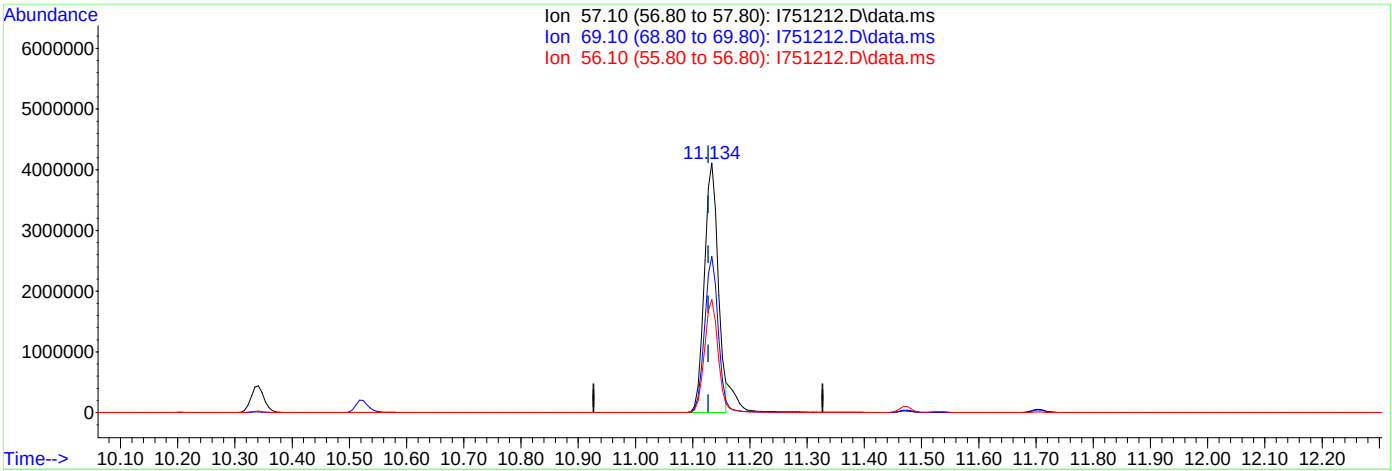
response 7452513

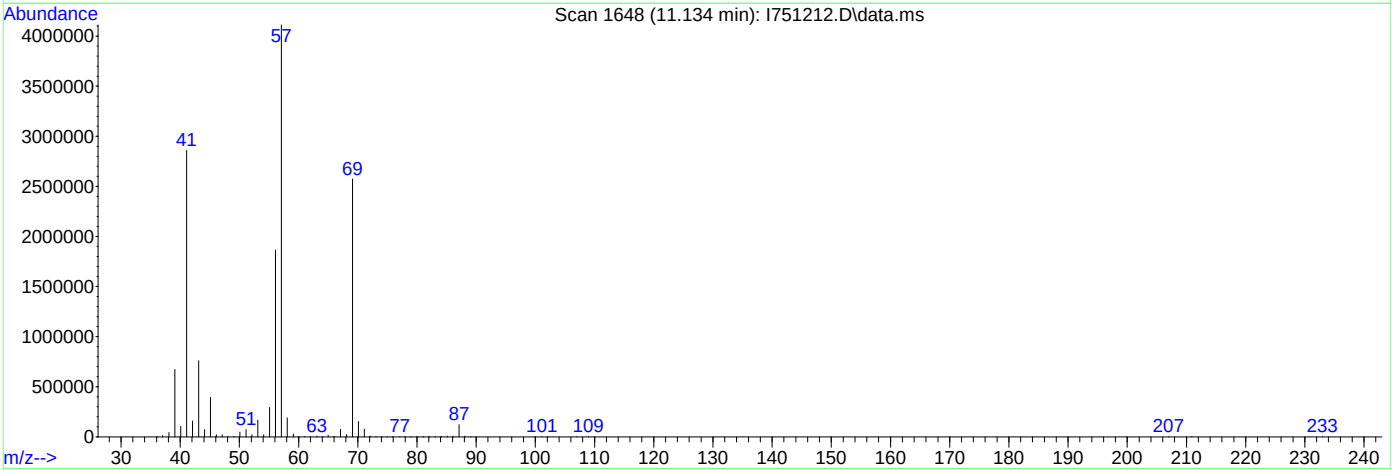
Ion	Exp%	Act%
57.10	100	100
69.10	62.70	62.53
56.10	44.70	45.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751212.D
Acq On : 9 Sep 2022 12:03 pm
Operator : joannel
Sample : IC2688-6
Misc : MS52329,VI2688,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 12 11:07:31 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751212.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.134min (+0.007) 3912.23ug/L m

response 6869244

Ion	Exp%	Act%
57.10	100	100
69.10	62.70	62.55
56.10	44.70	45.32
0.00	0.00	0.00

I751213.D

Manual Integrations APPROVED (compounds with "m" flag)

Karen Watson
09/12/22 12:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751213.D
Acq On : 9 Sep 2022 12:27 pm
Operator : joannel
Sample : IC2688-7
Misc : MS52329,VI2688,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 12 11:16:31 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.342	96	881692	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	678270	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	350660	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.452	113	250535	51.42	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.84%			
49) 1,2-Dichloroethane-d4	8.037	65	267467	48.41	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.82%			
63) Toluene-d8	9.951	98	911483	49.28	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.56%			
86) 4-Bromofluorobenzene	12.731	174	293458	50.37	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.385	85	385454	104.78	ug/L	100
3) Chloromethane	2.715	50	476468	92.43	ug/L	96
4) Vinyl Chloride	2.855	62	451654	96.95	ug/L	99
5) 1,3-Butadiene	2.898	39	359286	130.49	ug/L	99
6) Bromomethane	3.391	94	174722	74.89	ug/L	99
7) Chloroethane	3.580	64	199408	110.46	ug/L	97
8) Trichlorofluoromethane	3.788	101	467240	Below Cal		95
9) Ethyl Ether	4.330	59	384209	116.41	ug/L	98
10) 1,2-Dichlorotrifluoroe...	4.562	67	490950	127.73	ug/L	99
11) 1,1-Dichloroethene	4.550	61	616618	111.75	ug/L	98
12) Ethanol	4.629	45	404276	2217.93	ug/L	91
13) Freon 113	4.604	101	390532	127.02	ug/L	96
14) Carbon Disulfide	4.586	76	1060390	110.54	ug/L	98
15) Iodomethane	4.745	142	305734	79.33	ug/L	97
16) Acrolein	5.025	56	814222	547.87	ug/L	98
17) Allyl chloride	5.196	41	457659	94.51	ug/L	97
18) Methylene Chloride	5.336	49	603404	136.51	ug/L	99
19) Acetone	5.409	43	1670308	596.14	ug/L	99
20) Methyl acetate	5.562	43	3452190	639.90	ug/L	99
21) trans-1,2-Dichloroethene	5.549	61	583622	114.75	ug/L	98
22) Hexane	5.653	56	277646m	115.15	ug/L	
23) Methyl Tert Butyl Ether	5.702	73	1109193	119.27	ug/L	89
24) Tert butyl alcohol	5.860	59	2442623	1310.81	ug/L	98
25) Acetonitrile	5.970	41	1346228	1168.52	ug/L	99
26) Di-isopropyl ether	6.159	45	1407163	121.99	ug/L	100
27) Chloroprene	6.275	53	105127	101.73	ug/L	94
28) 1,1-Dichloroethane	6.299	63	711482	111.60	ug/L	99
29) Acrylonitrile	6.348	53	1669740	602.97	ug/L	99
30) ETBE	6.586	59	1330632	114.18	ug/L	99
31) Vinyl acetate	6.580	43	4825282	531.85	ug/L	99
32) cis-1,2-Dichloroethene	6.946	96	367035	110.74	ug/L	99
33) 2,2-Dichloropropane	7.061	77	575553	109.59	ug/L	98
34) Bromochloromethane	7.177	128	166423	113.31	ug/L	95
35) Cyclohexane	7.202	56	709356	118.48	ug/L	98
36) Chloroform	7.250	83	646087	106.79	ug/L	98
37) Ethyl acetate	7.366	43	4189700	566.35	ug/L	99
38) Tetrahydrofuran	7.452	42	387615	115.17	ug/L	95
40) Carbon Tetrachloride	7.427	117	507796	109.91	ug/L	99
41) 1,1,1-Trichloroethane	7.494	97	577574	107.84	ug/L	98
42) 2-Butanone	7.580	43	2757603	565.50	ug/L	99
43) 1,1-Dichloropropene	7.634	75	500578	111.12	ug/L	94
44) tert-Butyl Formate	7.732	59	2260348	557.72	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751213.D
Acq On : 9 Sep 2022 12:27 pm
Operator : joannel
Sample : IC2688-7
Misc : MS52329,VI2688,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 12 11:16:31 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	7.897	54	1671201	1178.57	ug/L		82
46)	Methacrylonitrile	7.921	41	4290850	1036.18	ug/L		98
47)	Benzene	7.903	78	1391482	108.43	ug/L		95
48)	TAME	8.012	73	1038195	110.13	ug/L		100
50)	Isobutyl alcohol	8.116	42	1063516	2510.43	ug/L		97
51)	1,2-Dichloroethane	8.110	62	540483	109.11	ug/L		98
52)	Tert Amyl Alcohol	8.220	59	2070427	1261.90	ug/L		98
53)	Trichloroethene	8.531	95	379979	108.43	ug/L		98
54)	Methylcyclohexane	8.537	83	536297	116.40	ug/L		98
55)	Dibromomethane	8.970	93	247139	113.67	ug/L		98
56)	1,2-Dichloropropane	9.061	63	414006	112.88	ug/L		99
57)	Bromodichloromethane	9.122	83	490734	111.48	ug/L		100
58)	Methyl methacrylate	9.244	41	502906	109.61	ug/L		97
59)	1,4-Dioxane	9.329	88	300129	2263.60	ug/L		97
60)	2-Chloroethyl vinyl ether	9.664	63	1689535	541.86	ug/L		100
61)	cis-1,3-Dichloropropene	9.756	75	592779	117.54	ug/L		98
64)	Toluene	10.000	91	1480503	103.07	ug/L		99
65)	2-Nitropropane	10.207	41	1218050	597.58	ug/L		96
66)	4-Methyl-2-pentanone	10.341	43	4304163	553.41	ug/L		99
67)	trans-1,3-Dichloropropene	10.402	75	506250	113.58	ug/L		99
68)	Tetrachloroethene	10.414	166	403312	99.45	ug/L		98
69)	Ethyl methacrylate	10.524	69	507384	101.85	ug/L		98
70)	1,1,2-Trichloroethane	10.567	83	288551	103.76	ug/L		99
71)	Dibromochloromethane	10.762	129	399960	109.47	ug/L		98
72)	1,3-Dichloropropane	10.841	76	585844	105.29	ug/L		99
73)	1,2-Dibromoethane	11.018	107	381963	109.25	ug/L		94
74)	3,3-dimethyl-1-butanol	11.140	57	10422510m	5507.31	ug/L		
75)	2-hexanone	11.170	43	5529672	873.86	ug/L		98
76)	1-Chlorohexane	11.475	91	461522	102.22	ug/L		98
77)	Ethylbenzene	11.536	91	1630494	100.65	ug/L		99
78)	Chlorobenzene	11.530	112	923840	101.05	ug/L		98
79)	1,1,1,2-Tetrachloroethane	11.585	131	356277	104.29	ug/L		98
80)	m,p-Xylene	11.676	91	2505339	206.76	ug/L		100
81)	o-Xylene	12.115	91	1267906	105.38	ug/L		99
82)	Styrene	12.164	104	956767	110.04	ug/L		99
83)	Bromoform	12.219	173	307970	115.29	ug/L		98
84)	Isopropylbenzene	12.420	105	1530935	103.53	ug/L		99
87)	cis-1,4-Dichloro-2-butene	12.761	53	238459	101.84	ug/L		95
88)	n-Propylbenzene	12.841	91	1828721	100.45	ug/L		100
89)	Bromobenzene	12.853	156	396806	99.44	ug/L		95
90)	1,1,2,2-Tetrachloroethane	12.896	83	599700	101.40	ug/L		98
91)	1,3,5-Trimethylbenzene	13.024	105	1271843	100.27	ug/L		100
92)	2-Chlorotoluene	13.024	91	1190580	99.07	ug/L		98
93)	trans-1,4-Dichloro-2-B...	13.078	53	231647	103.18	ug/L		96
94)	1,2,3-Trichloropropane	13.054	110	192643	101.42	ug/L		95
95)	Cyclohexanone	13.115	55	348727	582.60	ug/L		99
96)	4-Chlorotoluene	13.188	91	1087980	99.97	ug/L		98
97)	tert-Butylbenzene	13.365	91	693235	95.99	ug/L		99
98)	1,2,4-Trimethylbenzene	13.432	105	1250941	102.37	ug/L		99
99)	Pentachloroethane	13.414	167	220592	93.15	ug/L		97
100)	sec-Butylbenzene	13.548	105	1433141	95.55	ug/L		99
101)	4-Isopropyltoluene	13.682	119	1250562	100.34	ug/L		99
102)	1,3-Dichlorobenzene	13.810	146	700013	102.28	ug/L		99
103)	1,2,3-Trimethylbenzene	13.889	105	627761	49.48	ug/L		98
104)	1,4-Dichlorobenzene	13.895	146	715367	95.89	ug/L		99
105)	n-Butylbenzene	14.121	92	713171	100.63	ug/L		86
106)	Benzyl Chloride	14.133	126	225185	94.70	ug/L	#	76
107)	1,2-Dichlorobenzene	14.334	146	677275	99.93	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751213.D
Acq On : 9 Sep 2022 12:27 pm
Operator : joannel
Sample : IC2688-7
Misc : MS52329,VI2688,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 12 11:16:31 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

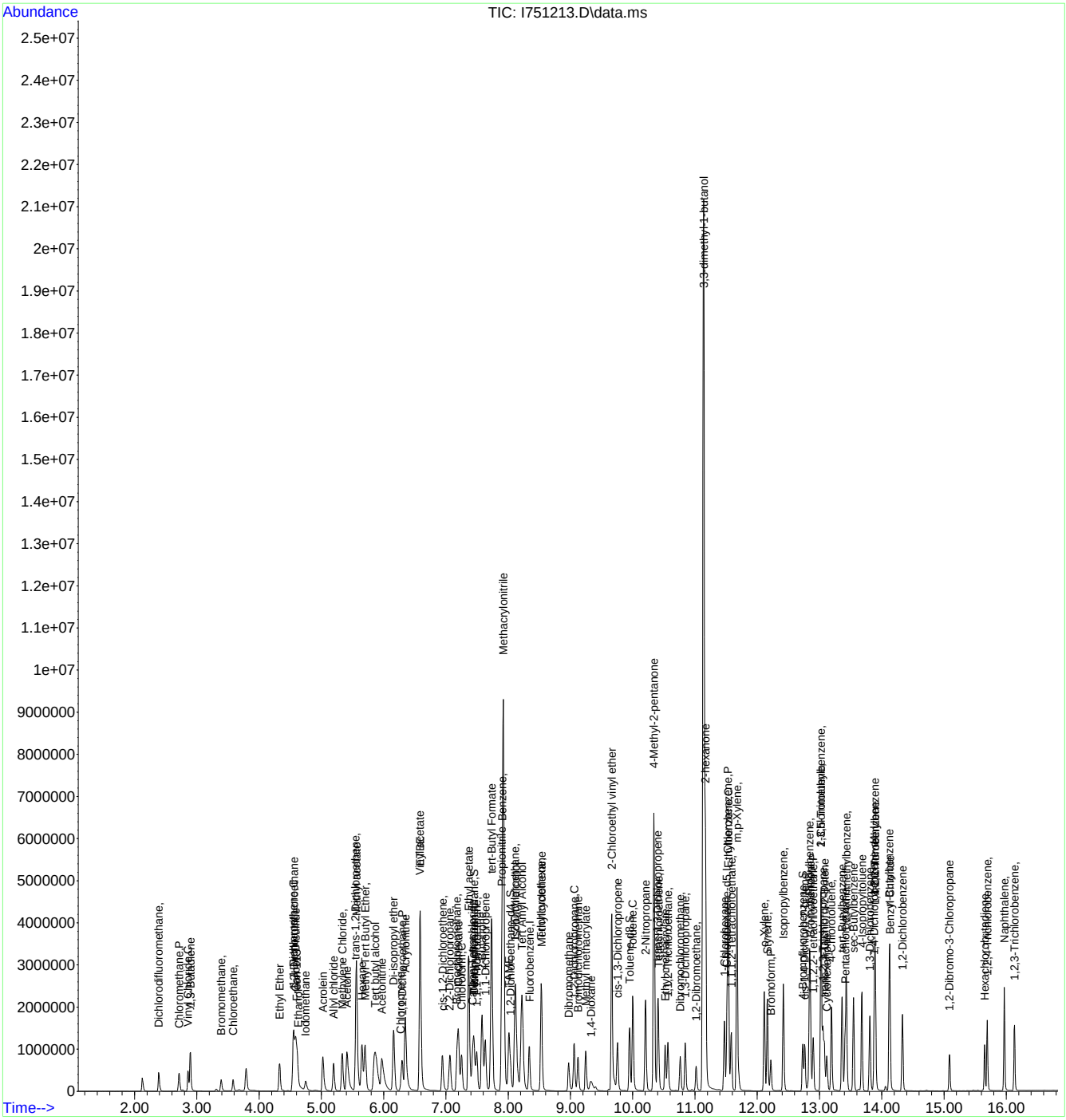
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.084	75	180278	101.97	ug/L	90
109) Hexachlorobutadiene	15.651	225	162617	78.55	ug/L	97
110) 1,2,4-Trichlorobenzene	15.694	180	404000	90.75	ug/L	99
111) Naphthalene	15.968	128	1402528	93.43	ug/L	100
112) 1,2,3-Trichlorobenzene	16.133	180	388658	86.88	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751213.D
Acq On : 9 Sep 2022 12:27 pm
Operator : joannel
Sample : IC2688-7
Misc : MS52329,VI2688,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 12 11:16:31 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration



Manual Integration Approval Summary

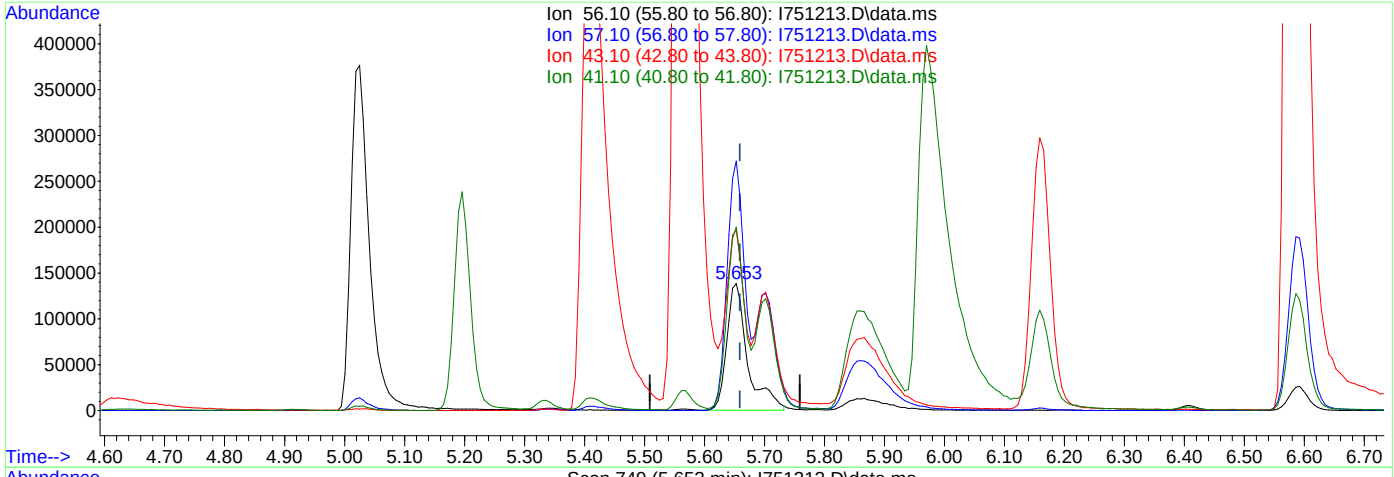
Sample Number: VI2688-IC2688
Lab FileID: I751213.D
Injection Time: 09/09/22 12:27
Method: SW846 8260D
Analyst approved: 09/12/22 11:43 Jo-Ann Lugo De Jesus
Supervisor approved: 09/12/22 12:46 Karen Watson

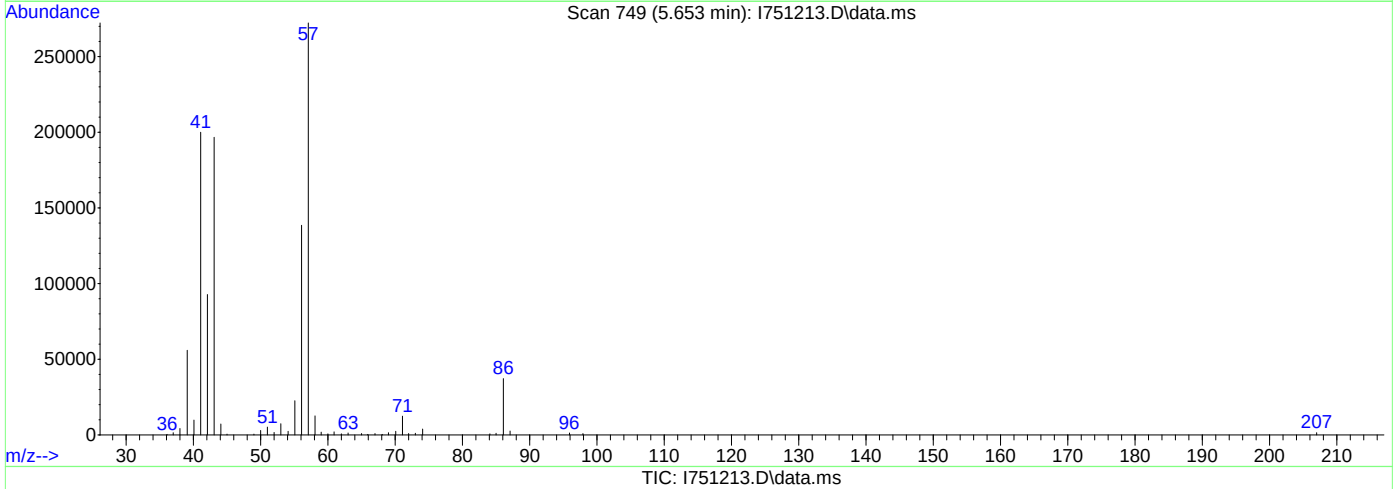
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.65	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.14	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751213.D
Acq On : 9 Sep 2022 12:27 pm
Operator : joannel
Sample : IC2688-7
Misc : MS52329,VI2688,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 12 11:07:34 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751213.D\data.ms

(22) Hexane

5.653min (-0.006) 137.04ug/L

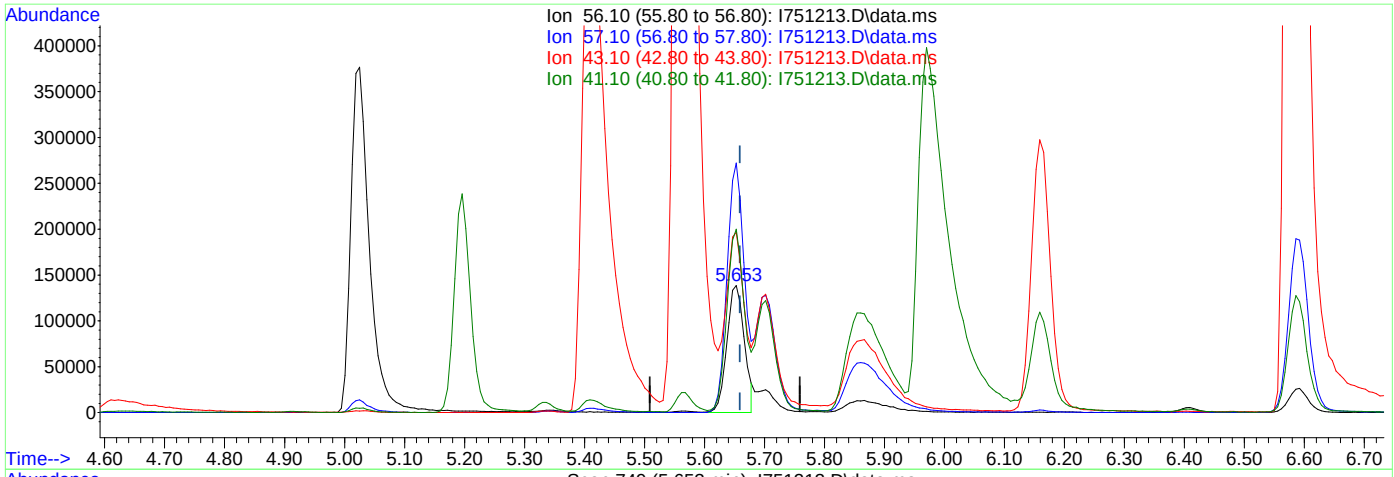
response 330429

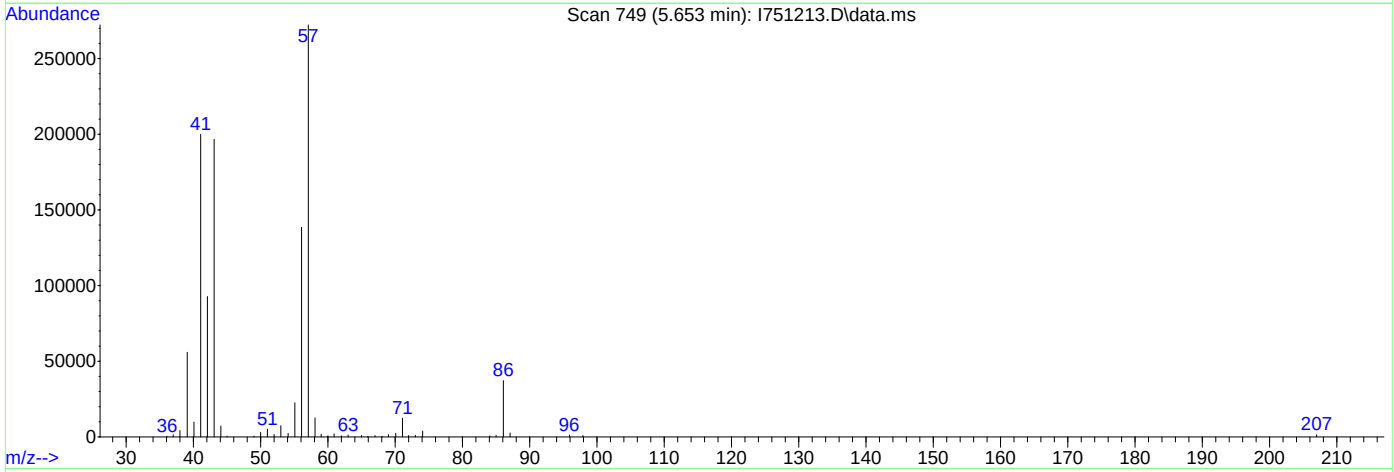
Ion	Exp%	Act%
56.10	100	100
57.10	202.30	197.42
43.10	153.70	124.02
41.10	148.20	141.35

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751213.D
Acq On : 9 Sep 2022 12:27 pm
Operator : joannel
Sample : IC2688-7
Misc : MS52329,VI2688,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 12 11:07:34 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751213.D\data.ms

(22) Hexane

5.653min (-0.006) 115.15ug/L m

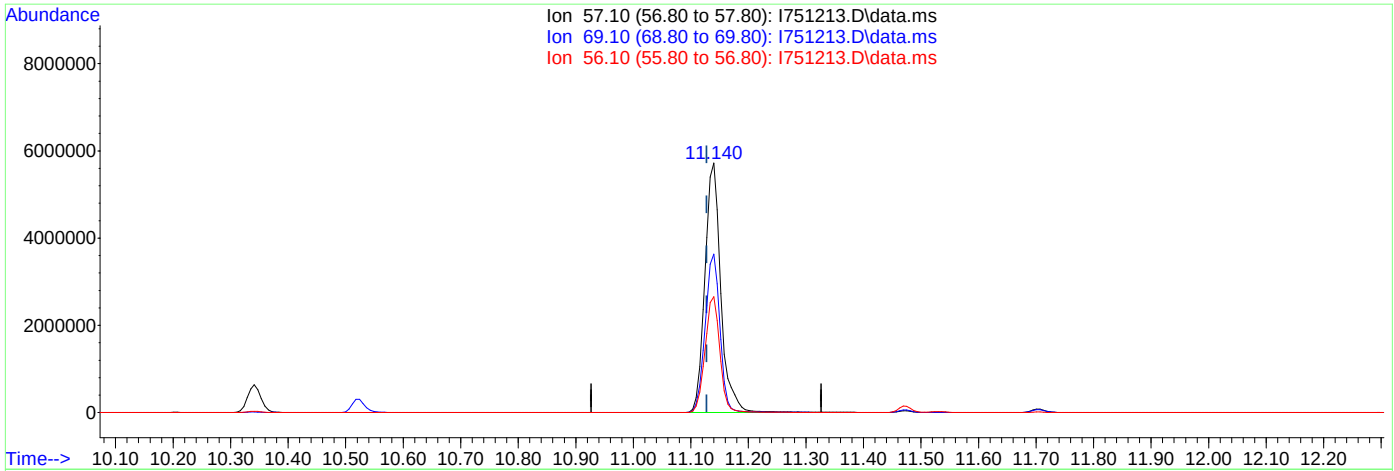
response 277646

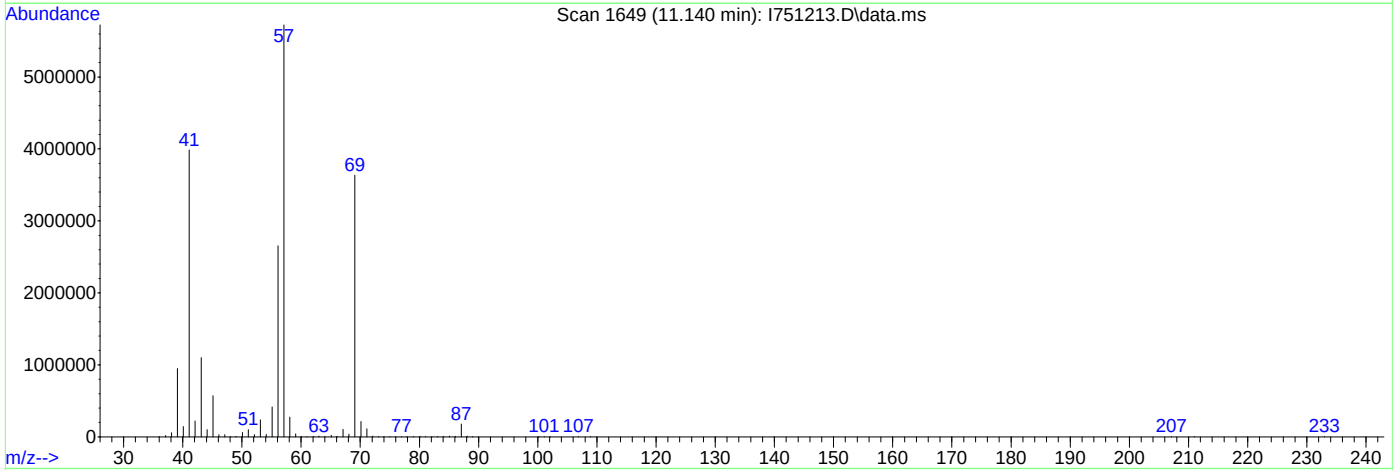
Ion	Exp%	Act%
56.10	100	100
57.10	202.30	196.67
43.10	153.70	142.07
41.10	148.20	144.38

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751213.D
Acq On : 9 Sep 2022 12:27 pm
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Sample : IC2688-7
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QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751213.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.140min (+0.013) 5820.78ug/L

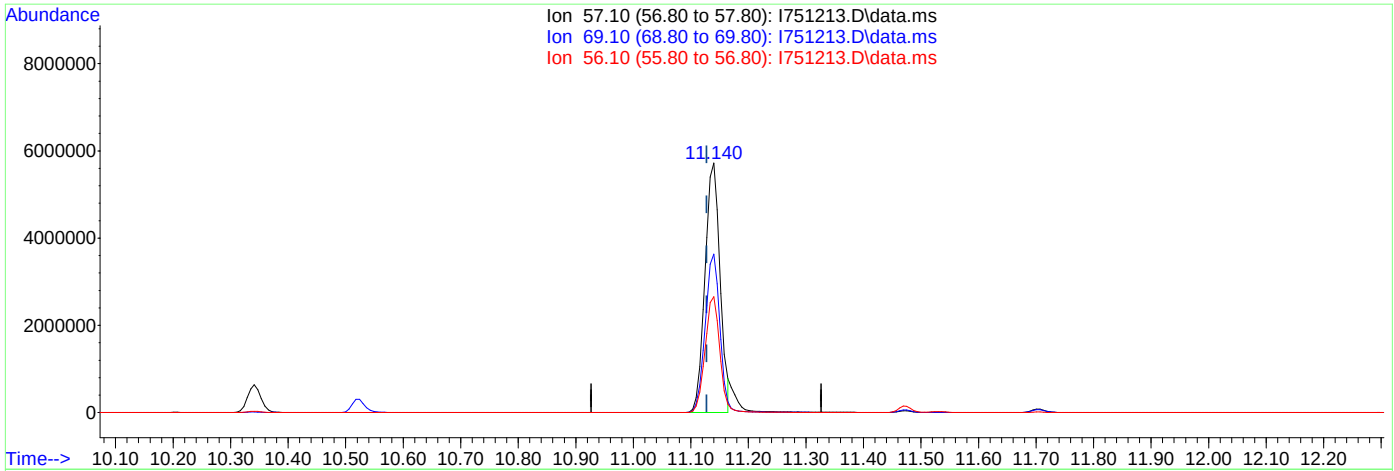
response 11077964

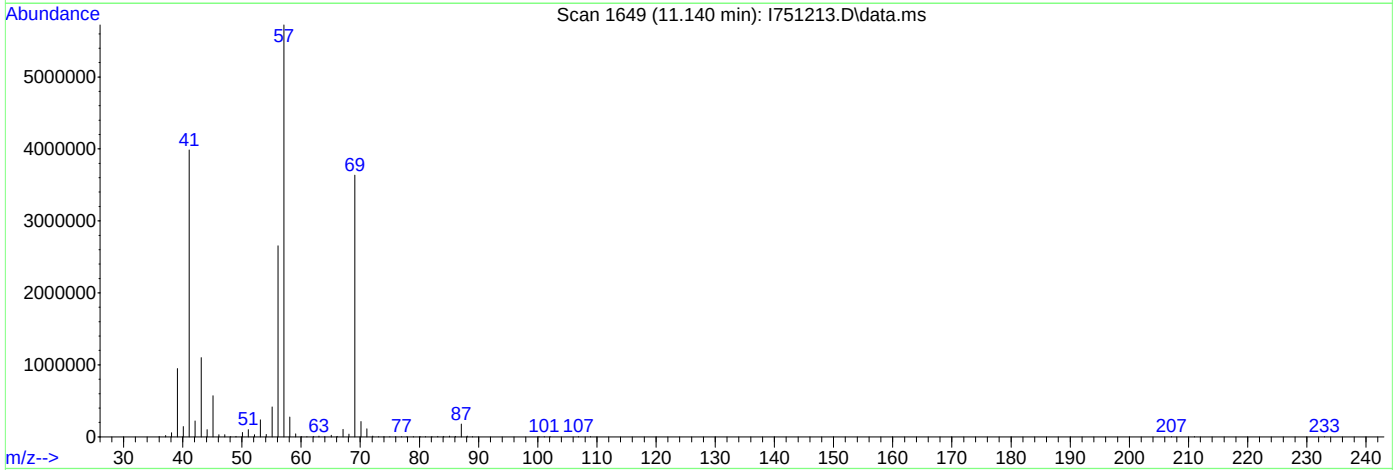
Ion	Exp%	Act%
57.10	100	100
69.10	62.70	63.48
56.10	44.70	46.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751213.D
Acq On : 9 Sep 2022 12:27 pm
Operator : joannel
Sample : IC2688-7
Misc : MS52329,VI2688,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 12 11:07:34 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I751213.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.140min (+0.013) 5507.31ug/L m

response 10422510

Ion	Exp%	Act%
57.10	100	100
69.10	62.70	63.52
56.10	44.70	46.36
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/12/22 12:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751215.D
Acq On : 9 Sep 2022 1:14 pm
Operator : joannel
Sample : ICV2688-5
Misc : MS52329,VI2688,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 11:33:17 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.342	96	835683	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	629708	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	320649	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.452	113	231643	49.58	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.16%			
49) 1,2-Dichloroethane-d4	8.037	65	242303	46.56	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 93.12%			
63) Toluene-d8	9.951	98	856844	50.81	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.62%			
86) 4-Bromofluorobenzene	12.731	174	265900	50.05	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.385	85	122827	34.13	ug/L	100
3) Chloromethane	2.715	50	168652	37.85	ug/L	99
4) Vinyl Chloride	2.855	62	161006	37.21	ug/L	97
5) 1,3-Butadiene	2.898	39	174372	49.38	ug/L	96
6) Bromomethane	3.391	94	66153	36.55	ug/L	99
7) Chloroethane	3.580	64	78341	38.65	ug/L	99
8) Trichlorofluoromethane	3.788	101	179992	35.75	ug/L	97
9) Ethyl Ether	4.318	59	128706	34.40	ug/L	97
10) 1,2-Dichlorotrifluoroe...	4.556	67	160149	34.63	ug/L	95
11) 1,1-Dichloroethene	4.550	61	223610	38.90	ug/L	97
12) Ethanol	4.580	45	166190	757.37	ug/L	98
13) Freon 113	4.611	101	125550	34.92	ug/L	96
14) Carbon Disulfide	4.592	76	351511	35.09	ug/L	99
15) Iodomethane	4.751	142	98490	37.05	ug/L	96
16) Acrolein	5.019	56	291341	191.60	ug/L	98
17) Allyl chloride	5.196	41	208734	44.50	ug/L	97
18) Methylene Chloride	5.336	49	230431	35.26	ug/L	98
19) Acetone	5.403	43	657009	198.37	ug/L	99
20) Methyl acetate	5.562	43	1318849	209.50	ug/L	100
21) trans-1,2-Dichloroethene	5.556	61	209103	38.45	ug/L	95
22) Hexane	5.659	56	91983m	36.10	ug/L	
23) Methyl Tert Butyl Ether	5.696	73	394919	36.96	ug/L	74
24) Tert butyl alcohol	5.830	59	888973	374.86	ug/L	99
25) Acetonitrile	5.964	41	519103	370.43	ug/L	98
26) Di-isopropyl ether	6.159	45	495515	37.76	ug/L	98
27) Chloroprene	6.281	53	212107	211.22	ug/L	96
28) 1,1-Dichloroethane	6.299	63	265832	39.05	ug/L	97
29) Acrylonitrile	6.348	53	640268	214.84	ug/L	98
30) ETBE	6.586	59	453837	35.71	ug/L	97
31) Vinyl acetate	6.586	43	1713934	201.76	ug/L	99
32) cis-1,2-Dichloroethene	6.946	96	138913	38.90	ug/L	99
33) 2,2-Dichloropropane	7.067	77	202423	36.72	ug/L	99
34) Bromochloromethane	7.177	128	60986	38.83	ug/L	98
35) Cyclohexane	7.202	56	253118	39.35	ug/L	98
36) Chloroform	7.250	83	234652	36.16	ug/L	99
37) Ethyl acetate	7.360	43	1599944	207.48	ug/L	100
38) Tetrahydrofuran	7.445	42	145962	36.19	ug/L	95
40) Carbon Tetrachloride	7.433	117	185713	38.74	ug/L	98
41) 1,1,1-Trichloroethane	7.494	97	213067	37.70	ug/L	97
42) 2-Butanone	7.573	43	1089164	221.48	ug/L	99
43) 1,1-Dichloropropene	7.634	75	178501	38.21	ug/L	99
44) tert-Butyl Formate	7.732	59	659594	160.66	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751215.D
Acq On : 9 Sep 2022 1:14 pm
Operator : joannel
Sample : ICV2688-5
Misc : MS52329,VI2688,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 11:33:17 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) Propionitrile	7.890	54	651569	375.94	ug/L	97
46) Methacrylonitrile	7.915	41	1656906	355.74	ug/L	100
47) Benzene	7.903	78	510782	37.37	ug/L	99
48) TAME	8.012	73	385980	37.79	ug/L	97
50) Isobutyl alcohol	8.098	42	411279	785.68	ug/L	99
51) 1,2-Dichloroethane	8.116	62	196138	37.01	ug/L	98
52) Tert Amyl Alcohol	8.207	59	760720	380.58	ug/L	98
53) Trichloroethene	8.531	95	138420	38.78	ug/L	96
54) Methylcyclohexane	8.537	83	191073	39.17	ug/L	99
55) Dibromomethane	8.976	93	86106	38.39	ug/L	97
56) 1,2-Dichloropropane	9.061	63	142000	36.41	ug/L	96
57) Bromodichloromethane	9.122	83	181389	39.63	ug/L	98
58) Methyl methacrylate	9.250	41	182205	39.66	ug/L	99
59) 1,4-Dioxane	9.323	88	116780	838.16	ug/L	94
60) 2-Chloroethyl vinyl ether	9.665	63	606433	197.10	ug/L	99
61) cis-1,3-Dichloropropene	9.756	75	207145	37.95	ug/L	98
64) Toluene	10.006	91	535530	37.97	ug/L	99
65) 2-Nitropropane	10.207	41	432939	196.49	ug/L	97
66) 4-Methyl-2-pentanone	10.341	43	1685706	208.24	ug/L	99
67) trans-1,3-Dichloropropene	10.402	75	192949	43.13	ug/L	89
68) Tetrachloroethene	10.414	166	146357	38.88	ug/L	98
69) Ethyl methacrylate	10.524	69	185722	39.71	ug/L	98
70) 1,1,2-Trichloroethane	10.567	83	106102	39.58	ug/L	99
71) Dibromochloromethane	10.768	129	134871	37.48	ug/L	97
72) 1,3-Dichloropropane	10.847	76	196009	35.32	ug/L	98
73) 1,2-Dibromoethane	11.024	107	135241	39.17	ug/L	99
74) 3,3-dimethyl-1-butanol	11.128	57	3665301m	1912.70	ug/L	
75) 2-hexanone	11.164	43	1453964	204.28	ug/L	100
76) 1-Chlorohexane	11.475	91	166997	40.43	ug/L	95
77) Ethylbenzene	11.536	91	592777	38.04	ug/L	100
78) Chlorobenzene	11.530	112	338783	38.55	ug/L	99
79) 1,1,1,2-Tetrachloroethane	11.585	131	127185	38.71	ug/L	98
80) m,p-Xylene	11.676	91	901471	77.44	ug/L	100
81) o-Xylene	12.115	91	462298	39.57	ug/L	97
82) Styrene	12.164	104	330411	40.33	ug/L	99
83) Bromoform	12.219	173	108207	40.64	ug/L	98
84) Isopropylbenzene	12.420	105	559349	40.05	ug/L	99
87) cis-1,4-Dichloro-2-butene	12.768	53	85088	37.79	ug/L	95
88) n-Propylbenzene	12.841	91	663343	39.76	ug/L	99
89) Bromobenzene	12.853	156	138950	37.41	ug/L	96
90) 1,1,2,2-Tetrachloroethane	12.902	83	218195	38.40	ug/L	99
91) 1,3,5-Trimethylbenzene	13.024	105	458766	39.99	ug/L	100
92) 2-Chlorotoluene	13.024	91	429642	38.07	ug/L	99
93) trans-1,4-Dichloro-2-B...	13.078	53	79762	38.47	ug/L	98
94) 1,2,3-Trichloropropane	13.054	110	66112	36.24	ug/L	99
95) Cyclohexanone	13.115	55	137524	209.27	ug/L	92
96) 4-Chlorotoluene	13.194	91	391649	39.37	ug/L	100
97) tert-Butylbenzene	13.365	91	249997	40.45	ug/L	98
98) 1,2,4-Trimethylbenzene	13.432	105	454129	40.72	ug/L	99
99) Pentachloroethane	13.414	167	85395	39.54	ug/L	98
100) sec-Butylbenzene	13.548	105	538652	41.73	ug/L	99
101) 4-Isopropyltoluene	13.682	119	470536	42.87	ug/L	99
102) 1,3-Dichlorobenzene	13.810	146	253381	39.82	ug/L	99
103) 1,2,3-Trimethylbenzene	13.895	105	479292	81.81	ug/L	98
104) 1,4-Dichlorobenzene	13.895	146	261017	37.38	ug/L	100
105) n-Butylbenzene	14.121	92	243227	40.39	ug/L	94
106) Benzyl Chloride	14.133	126	71190	39.40	ug/L	96
107) 1,2-Dichlorobenzene	14.334	146	243005	39.34	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751215.D
Acq On : 9 Sep 2022 1:14 pm
Operator : joannel
Sample : ICV2688-5
Misc : MS52329,VI2688,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 11:33:17 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

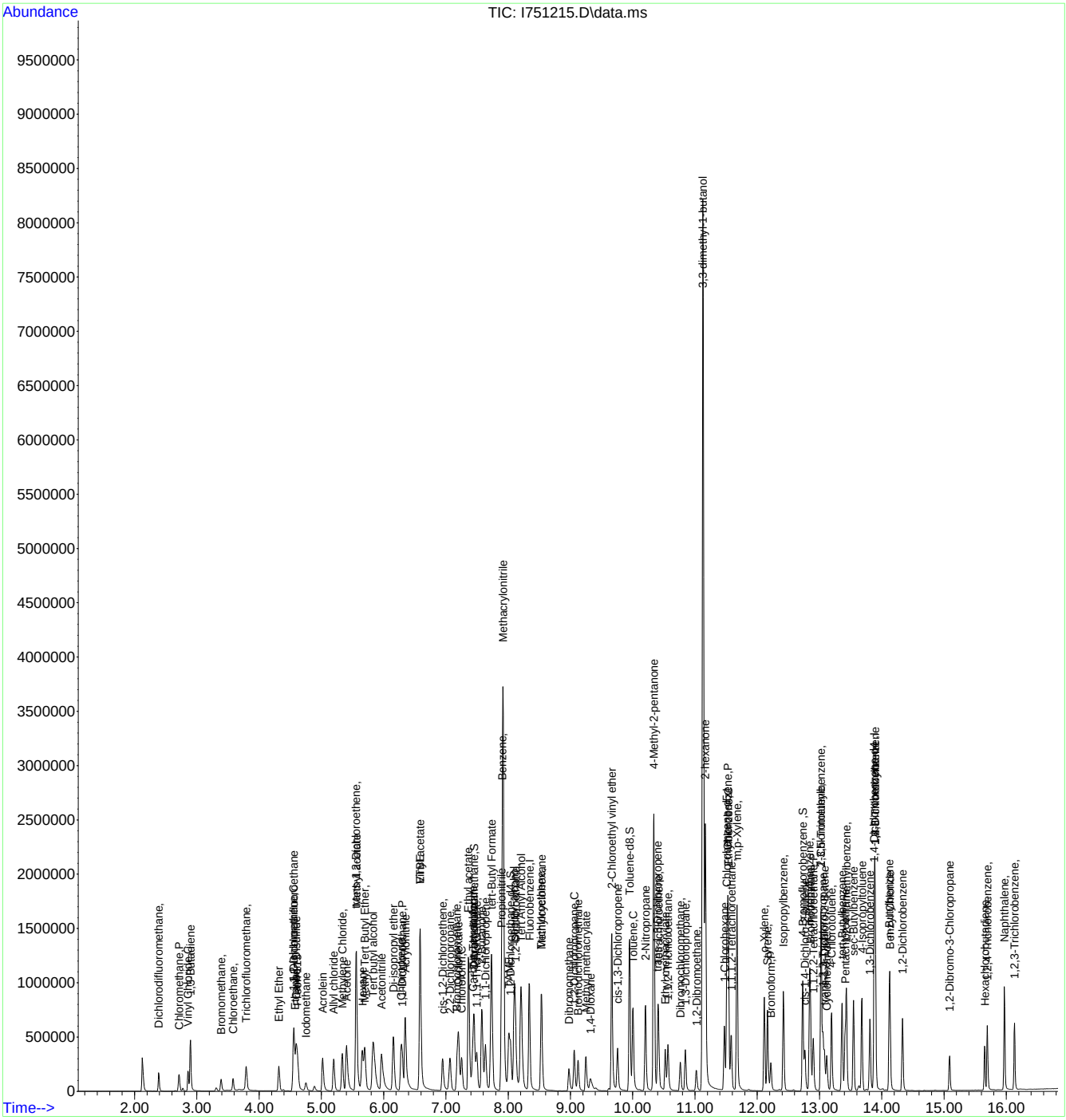
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	66356	39.60	ug/L	96
109) Hexachlorobutadiene	15.657	225	62195	41.42	ug/L	92
110) 1,2,4-Trichlorobenzene	15.694	180	153618	41.68	ug/L	97
111) Naphthalene	15.968	128	573325	42.58	ug/L	100
112) 1,2,3-Trichlorobenzene	16.133	180	153383	40.51	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751215.D
Acq On : 9 Sep 2022 1:14 pm
Operator : joannel
Sample : ICV2688-5
Misc : MS52329,VI2688,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 11:33:17 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration



Manual Integration Approval Summary

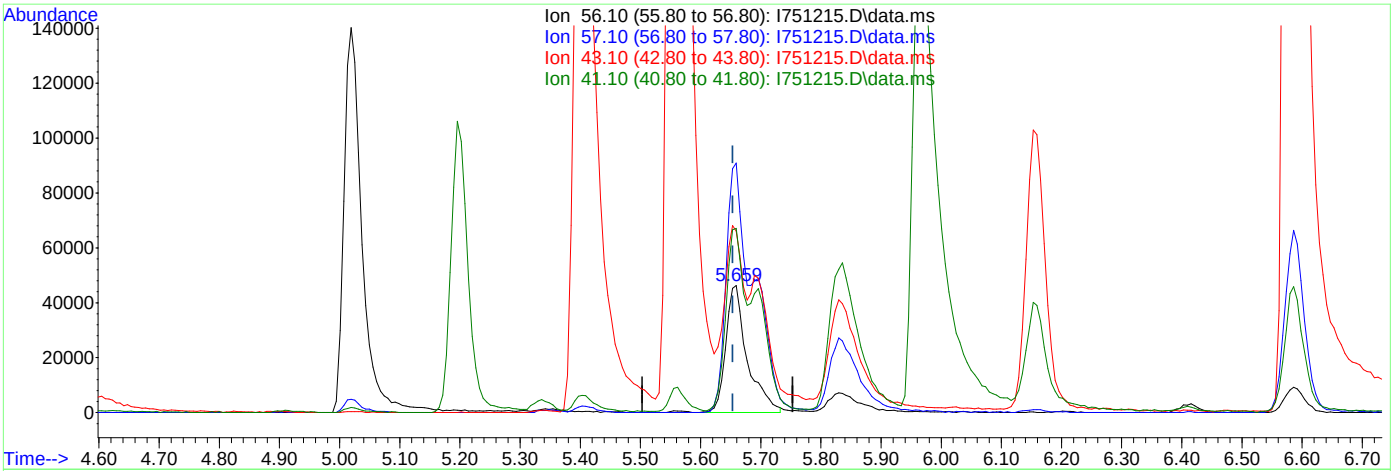
Sample Number: VI2688-ICV2688
Lab FileID: I751215.D
Injection Time: 09/09/22 13:14
Method: SW846 8260D
Analyst approved: 09/12/22 11:43 Jo-Ann Lugo De Jesus
Supervisor approved: 09/12/22 12:46 Karen Watson

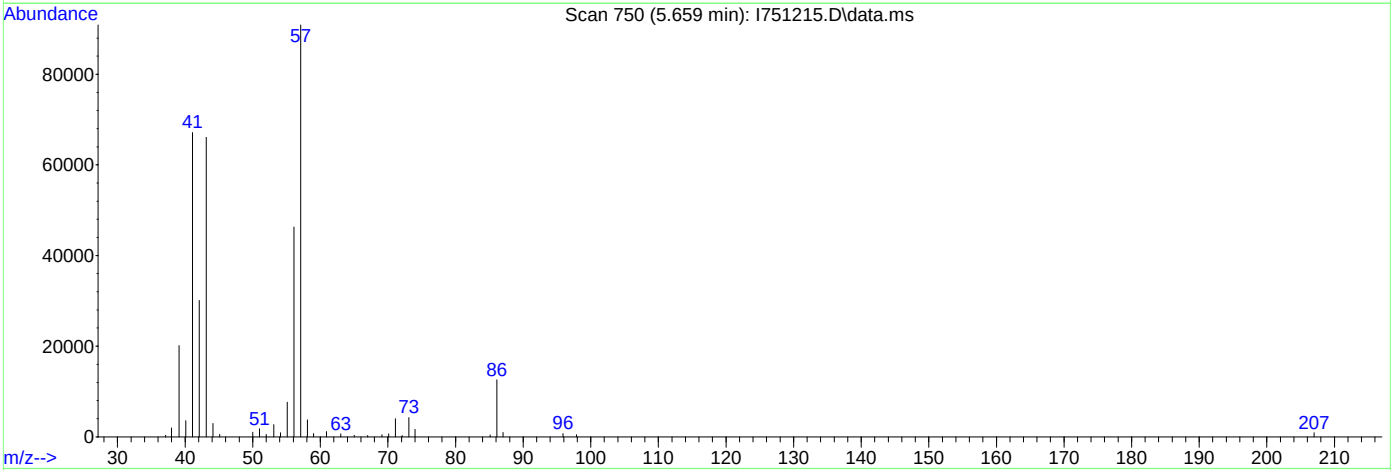
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.66	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.13	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751215.D
Acq On : 9 Sep 2022 1:14 pm
Operator : joannel
Sample : ICV2688-5
Misc : MS52329,VI2688,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 11:32:21 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration





TIC: I751215.D\data.ms

(22) Hexane

5.659min (+0.006) 45.23ug/L

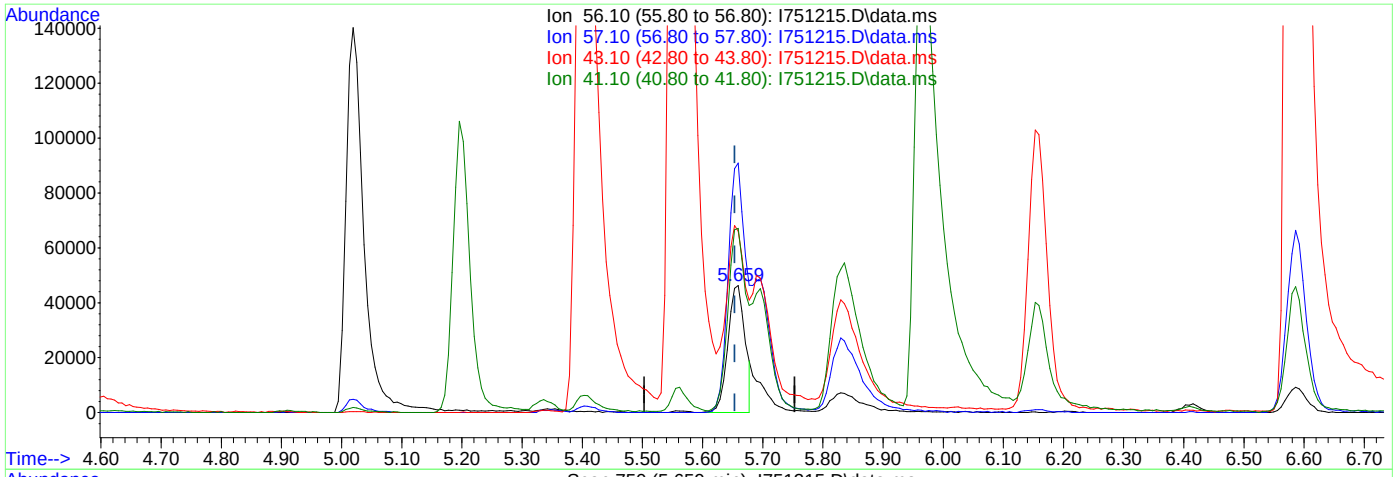
response 115242

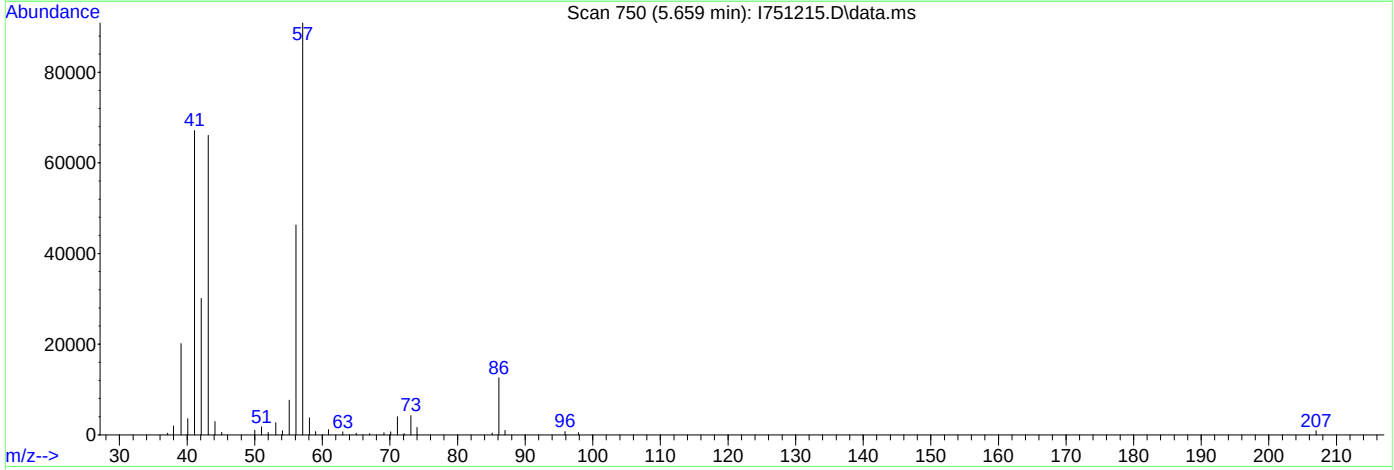
Ion	Exp%	Act%
56.10	100	100
57.10	194.30	196.29
43.10	141.80	124.03
41.10	145.50	142.31

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751215.D
Acq On : 9 Sep 2022 1:14 pm
Operator : joannel
Sample : ICV2688-5
Misc : MS52329,VI2688,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 11:32:21 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration





TIC: I751215.D\data.ms

(22) Hexane

5.659min (+0.006) 36.10ug/L m

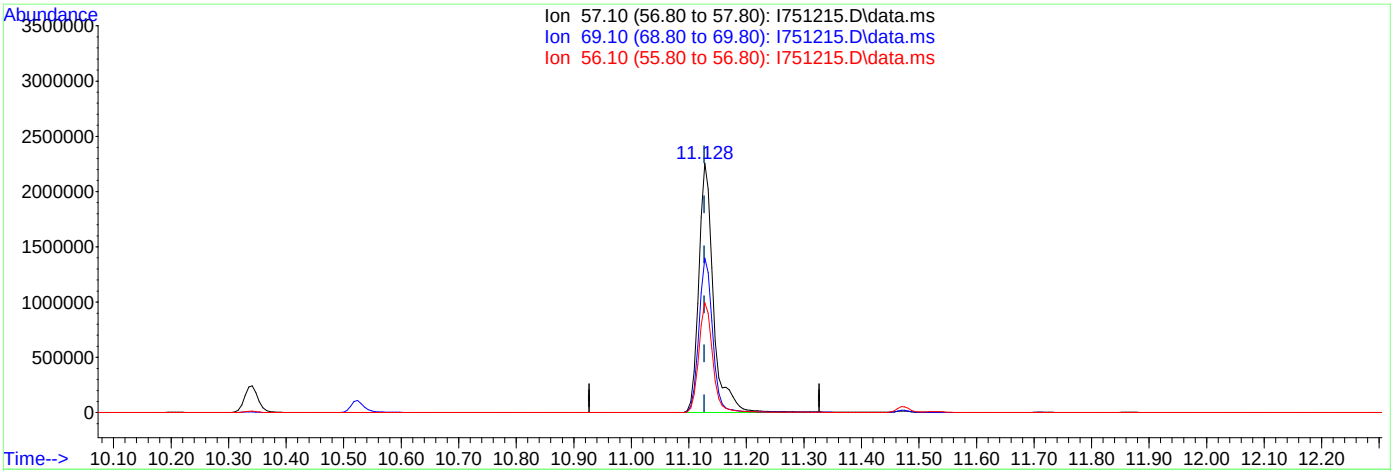
response 91983

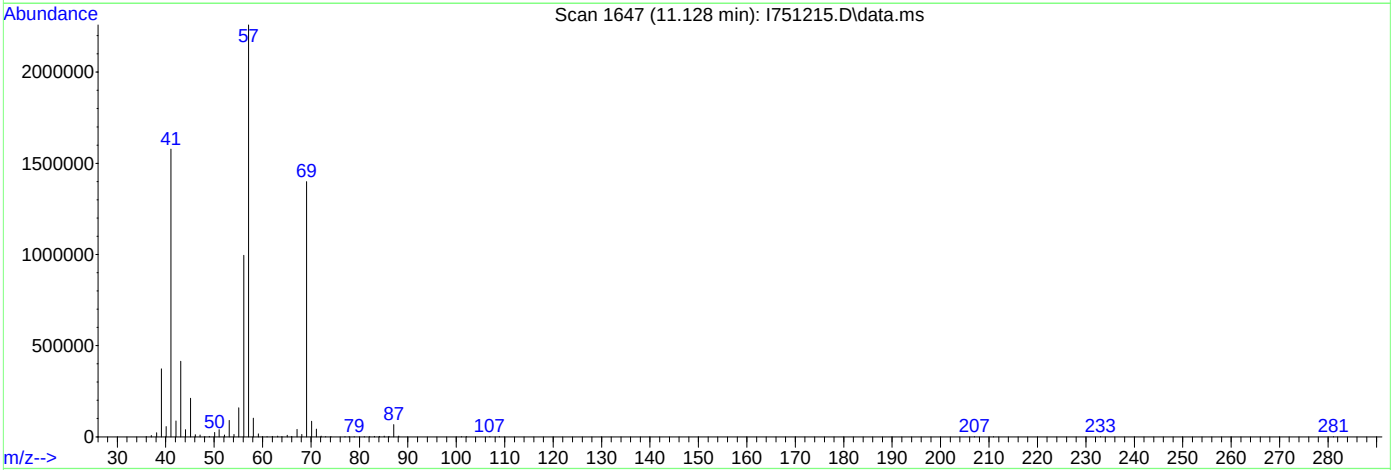
Ion	Exp%	Act%
56.10	100	100
57.10	194.30	196.29
43.10	141.80	142.66
41.10	145.50	144.94

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751215.D
Acq On : 9 Sep 2022 1:14 pm
Operator : joannel
Sample : ICV2688-5
Misc : MS52329,VI2688,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 11:32:21 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration





TIC: I751215.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.128min (+0.001) 2095.31ug/L

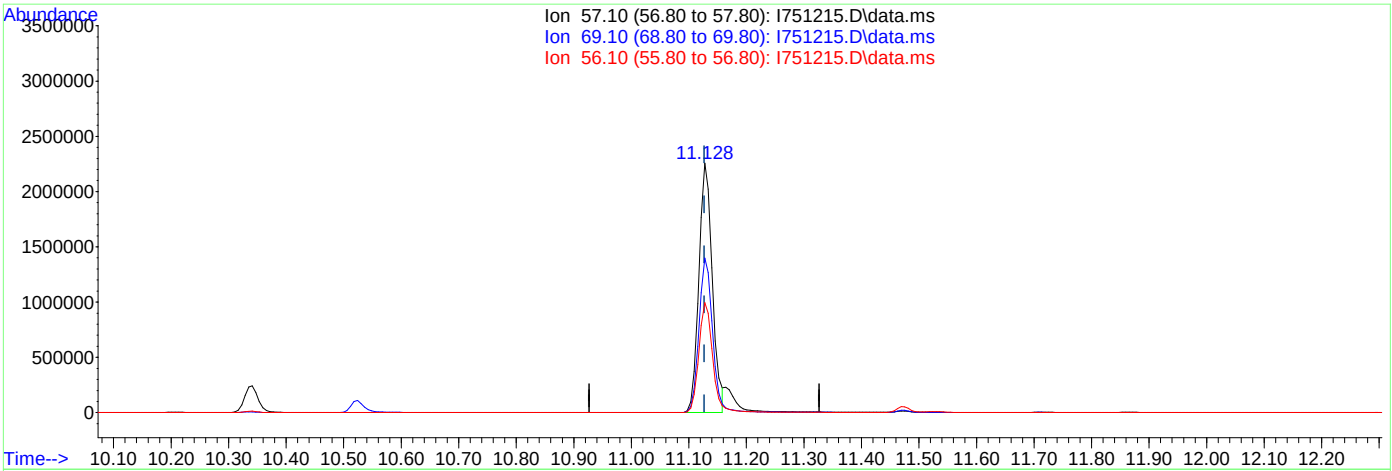
response 4017075

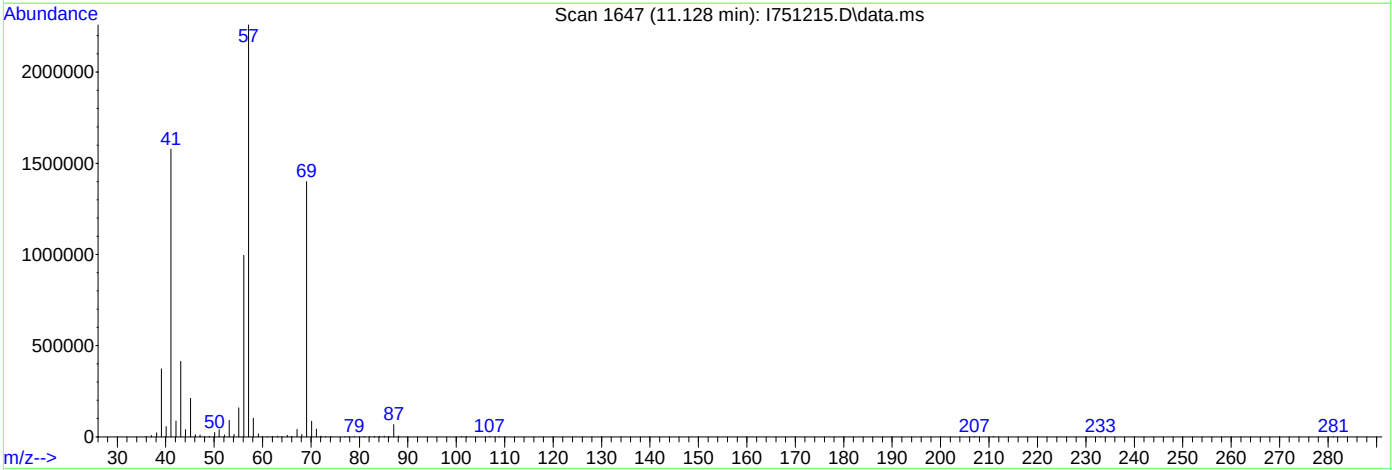
Ion	Exp%	Act%
57.10	100	100
69.10	62.60	61.91
56.10	44.90	44.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-09\
Data File : I751215.D
Acq On : 9 Sep 2022 1:14 pm
Operator : joannel
Sample : ICV2688-5
Misc : MS52329,VI2688,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 11:32:21 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration





TIC: I751215.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.128min (+0.001) 1912.70ug/L m

response 3665301

Ion	Exp%	Act%
57.10	100	100
69.10	62.60	61.91
56.10	44.90	44.03
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Fereira
09/16/22 02:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-14\
Data File : I751274.D
Acq On : 14 Sep 2022 11:12 am
Operator : joannel
Sample : CC2688-5
Misc : MS52329,VI2691,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 11:45:29 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.335	96	735068	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	582300	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	304122	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.451	113	206542	50.26	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.52%			
49) 1,2-Dichloroethane-d4	8.037	65	221261	48.34	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.68%			
63) Toluene-d8	9.945	98	769014	49.31	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.62%			
86) 4-Bromofluorobenzene	12.731	174	248191	49.26	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.52%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.385	85	128743	40.67	ug/L	97
3) Chloromethane	2.714	50	161463	41.15	ug/L	100
4) Vinyl Chloride	2.861	62	157966	41.50	ug/L	98
5) 1,3-Butadiene	2.897	39	143708	46.09	ug/L	100
6) Bromomethane	3.391	94	70272	44.77	ug/L	98
7) Chloroethane	3.580	64	83119	46.97	ug/L	99
8) Trichlorofluoromethane	3.800	101	223432	51.99	ug/L	98
9) Ethyl Ether	4.306	59	142750	43.38	ug/L	99
10) 1,2-Dichlorotrifluoroe...	4.556	67	180227	44.31	ug/L	99
11) 1,1-Dichloroethene	4.556	61	223742	44.25	ug/L	99
12) Ethanol	4.549	45	144069	745.42	ug/L	93
13) Freon 113	4.623	101	143919	45.51	ug/L	96
14) Carbon Disulfide	4.598	76	382288	43.38	ug/L	99
15) Iodomethane	4.751	142	112990	47.31	ug/L	97
16) Acrolein	5.013	56	269869	201.77	ug/L	100
17) Allyl chloride	5.196	41	176283	42.59	ug/L	97
18) Methylene Chloride	5.336	49	232347	40.41	ug/L	97
19) Acetone	5.391	43	560230	192.14	ug/L	99
20) Methyl acetate	5.555	43	1184873	213.98	ug/L	99
21) trans-1,2-Dichloroethene	5.555	61	207922	43.47	ug/L	97
22) Hexane	5.659	56	106796m	47.65	ug/L	
23) Methyl Tert Butyl Ether	5.689	73	391737	41.68	ug/L	99
24) Tert butyl alcohol	5.811	59	799150	383.11	ug/L	99
25) Acetonitrile	5.958	41	467128	379.53	ug/L	100
26) Di-isopropyl ether	6.153	45	485205	42.03	ug/L	96
27) Chloroprene	6.281	53	36757	42.53	ug/L	97
28) 1,1-Dichloroethane	6.299	63	250963	41.91	ug/L	99
29) Acrylonitrile	6.342	53	559245	213.34	ug/L	99
30) ETBE	6.580	59	469502	42.01	ug/L	96
31) Vinyl acetate	6.580	43	1699107	225.72	ug/L	99
32) cis-1,2-Dichloroethene	6.945	96	130548	41.56	ug/L	99
33) 2,2-Dichloropropane	7.061	77	210734	43.46	ug/L	98
34) Bromochloromethane	7.177	128	60570	43.85	ug/L	96
35) Cyclohexane	7.201	56	257686	45.54	ug/L	98
36) Chloroform	7.250	83	244788	42.89	ug/L	99
37) Ethyl acetate	7.360	43	1466491	216.20	ug/L	99
38) Tetrahydrofuran	7.439	42	133593	37.66	ug/L	96
40) Carbon Tetrachloride	7.433	117	184572	43.77	ug/L	98
41) 1,1,1-Trichloroethane	7.494	97	212790	42.80	ug/L	99
42) 2-Butanone	7.573	43	915701	211.70	ug/L	98
43) 1,1-Dichloropropene	7.634	75	183968	44.78	ug/L	98
44) tert-Butyl Formate	7.726	59	771860	212.81	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-14\
Data File : I751274.D
Acq On : 14 Sep 2022 11:12 am
Operator : joannel
Sample : CC2688-5
Misc : MS52329,VI2691,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 11:45:29 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) Propionitrile	7.884	54	568569	372.95	ug/L	92
46) Methacrylonitrile	7.915	41	1566388	382.34	ug/L	99
47) Benzene	7.902	78	511791	42.57	ug/L	96
48) TAME	8.006	73	365506	40.68	ug/L	97
50) Isobutyl alcohol	8.091	42	358449	778.49	ug/L	96
51) 1,2-Dichloroethane	8.110	62	197881	42.45	ug/L	98
52) Tert Amyl Alcohol	8.195	59	684210	389.16	ug/L	98
53) Trichloroethene	8.530	95	135829	43.21	ug/L	95
54) Methylcyclohexane	8.537	83	204047	47.56	ug/L	99
55) Dibromomethane	8.969	93	86779	43.99	ug/L	93
56) 1,2-Dichloropropane	9.061	63	145703	42.48	ug/L	98
57) Bromodichloromethane	9.122	83	173474	43.09	ug/L	99
58) Methyl methacrylate	9.244	41	164198	40.64	ug/L	97
59) 1,4-Dioxane	9.317	88	93605	763.78	ug/L	95
60) 2-Chloroethyl vinyl ether	9.658	63	566660	209.10	ug/L	99
61) cis-1,3-Dichloropropene	9.756	75	207637	43.24	ug/L	98
64) Toluene	10.000	91	525516	40.30	ug/L	100
65) 2-Nitropropane	10.201	41	428254	210.19	ug/L	99
66) 4-Methyl-2-pentanone	10.335	43	1528263	204.16	ug/L	99
67) trans-1,3-Dichloropropene	10.402	75	176528	42.67	ug/L	93
68) Tetrachloroethene	10.414	166	147613	42.41	ug/L	96
69) Ethyl methacrylate	10.518	69	171277	39.60	ug/L	92
70) 1,1,2-Trichloroethane	10.560	83	105518	42.57	ug/L	97
71) Dibromochloromethane	10.762	129	140994	42.37	ug/L	97
72) 1,3-Dichloropropane	10.841	76	206693	40.28	ug/L	96
73) 1,2-Dibromoethane	11.018	107	131997	41.35	ug/L	98
74) 3,3-dimethyl-1-butanol	11.127	57	3462721m	1953.90	ug/L	
75) 2-hexanone	11.164	43	1277850	194.49	ug/L	99
76) 1-Chlorohexane	11.469	91	166345	43.55	ug/L	91
77) Ethylbenzene	11.536	91	587960	40.81	ug/L	100
78) Chlorobenzene	11.530	112	330339	40.65	ug/L	98
79) 1,1,1,2-Tetrachloroethane	11.579	131	125793	41.40	ug/L	96
80) m,p-Xylene	11.670	91	889598	82.65	ug/L	99
81) o-Xylene	12.115	91	444069	41.10	ug/L	98
82) Styrene	12.164	104	327010	43.16	ug/L	97
83) Bromoform	12.219	173	107927	43.84	ug/L	100
84) Isopropylbenzene	12.420	105	548252	42.46	ug/L	99
87) cis-1,4-Dichloro-2-butene	12.761	53	79403	37.17	ug/L	97
88) n-Propylbenzene	12.841	91	656769	41.51	ug/L	99
89) Bromobenzene	12.853	156	141355	40.13	ug/L	98
90) 1,1,2,2-Tetrachloroethane	12.895	83	215931	40.07	ug/L	98
91) 1,3,5-Trimethylbenzene	13.023	105	453072	41.64	ug/L	99
92) 2-Chlorotoluene	13.023	91	426136	39.81	ug/L	99
93) trans-1,4-Dichloro-2-B...	13.078	53	77024	39.17	ug/L	93
94) 1,2,3-Trichloropropane	13.054	110	69242	40.02	ug/L	98
95) Cyclohexanone	13.115	55	115267	184.94	ug/L	97
96) 4-Chlorotoluene	13.188	91	385675	40.88	ug/L	97
97) tert-Butylbenzene	13.359	91	250569	42.67	ug/L	95
98) 1,2,4-Trimethylbenzene	13.432	105	444704	42.05	ug/L	99
99) Pentachloroethane	13.408	167	79432	38.78	ug/L	95
100) sec-Butylbenzene	13.548	105	525511	42.92	ug/L	99
101) 4-Isopropyltoluene	13.676	119	458538	44.05	ug/L	98
102) 1,3-Dichlorobenzene	13.810	146	248312	41.15	ug/L	98
103) 1,2,3-Trimethylbenzene	13.889	105	224132	40.34	ug/L	97
104) 1,4-Dichlorobenzene	13.895	146	260767	39.38	ug/L	99
105) n-Butylbenzene	14.121	92	235676	41.27	ug/L	97
106) Benzyl Chloride	14.133	126	70872	41.36	ug/L	94
107) 1,2-Dichlorobenzene	14.334	146	224759	38.36	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-14\
Data File : I751274.D
Acq On : 14 Sep 2022 11:12 am
Operator : joannel
Sample : CC2688-5
Misc : MS52329,VI2691,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 11:45:29 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

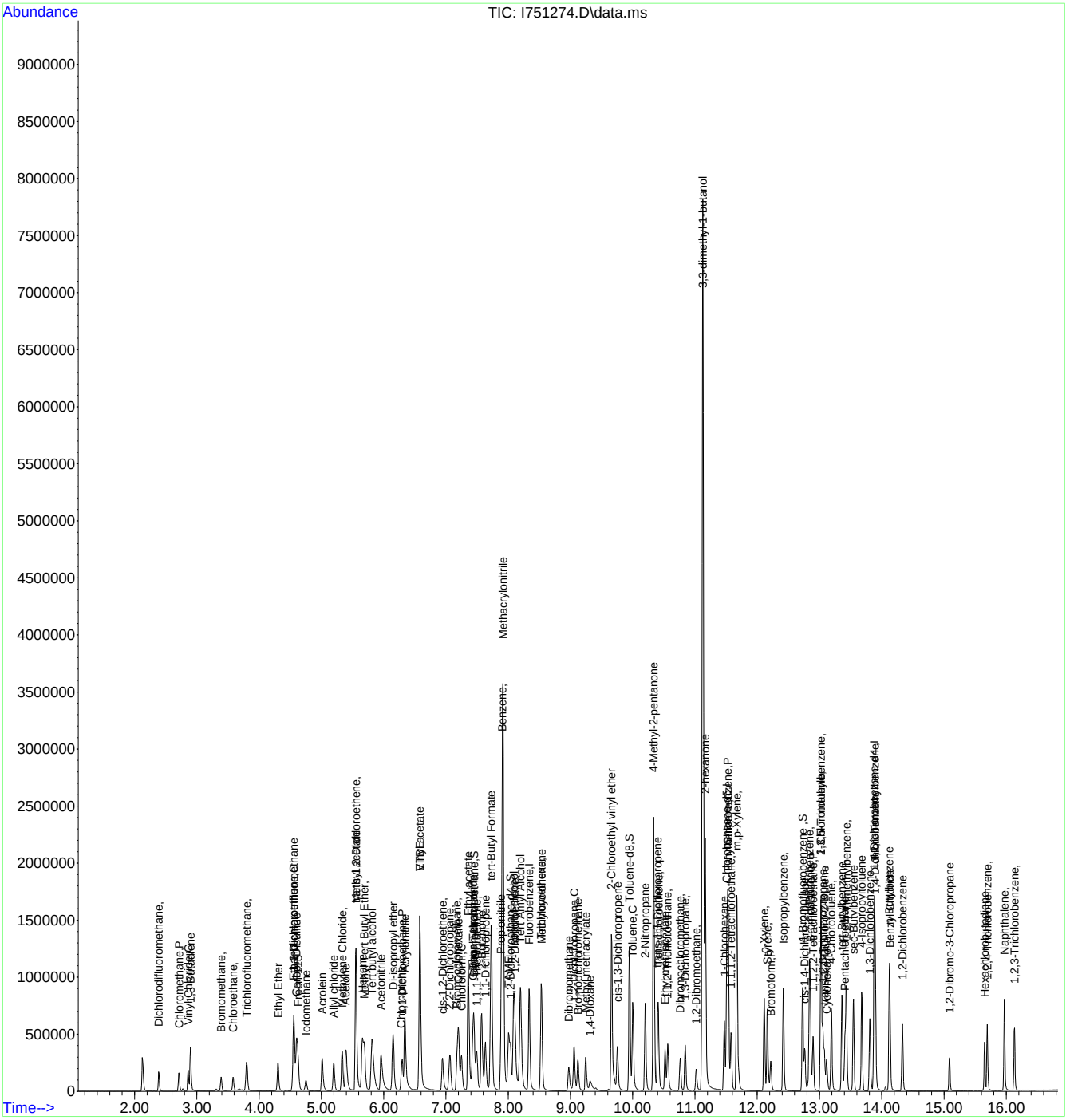
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	58403	36.75	ug/L	99
109) Hexachlorobutadiene	15.651	225	61320	43.01	ug/L	98
110) 1,2,4-Trichlorobenzene	15.694	180	138869	39.72	ug/L	94
111) Naphthalene	15.968	128	474035	37.12	ug/L	100
112) 1,2,3-Trichlorobenzene	16.133	180	143313	39.91	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-09-14\
Data File : I751274.D
Acq On : 14 Sep 2022 11:12 am
Operator : joannel
Sample : CC2688-5
Misc : MS52329,VI2691,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 11:45:29 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration



Manual Integration Approval Summary

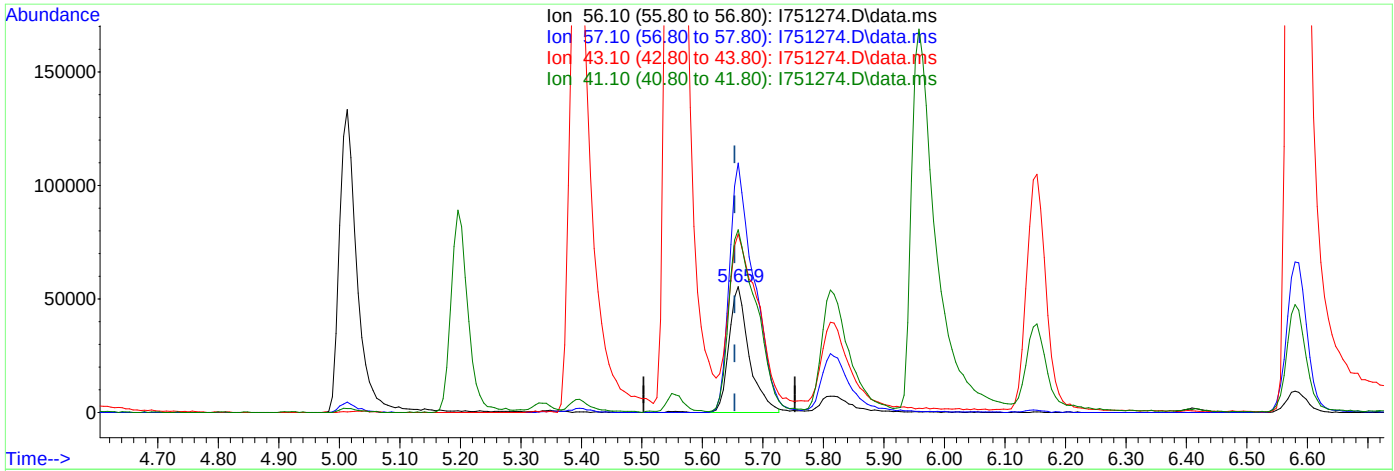
Sample Number: VI2691-CC2688
Lab FileID: I751274.D
Injection Time: 09/14/22 11:12
Method: SW846 8260D
Analyst approved: 09/14/22 12:04 Jo-Ann Lugo De Jesus
Supervisor approved: 09/16/22 02:49 Jennifer Fereira

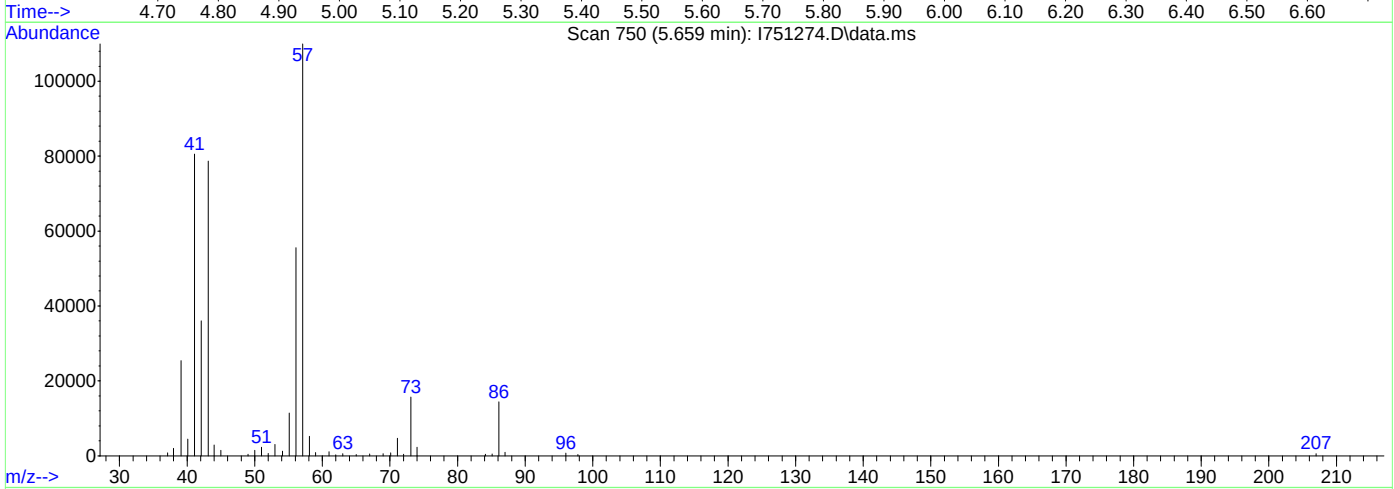
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.66	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.13	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-14\
Data File : I751274.D
Acq On : 14 Sep 2022 11:12 am
Operator : joannel
Sample : CC2688-5
Misc : MS52329,VI2691,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 11:44:02 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration





TIC: I751274.D\data.ms

(22) Hexane

5.659min (+0.006) 57.48ug/L

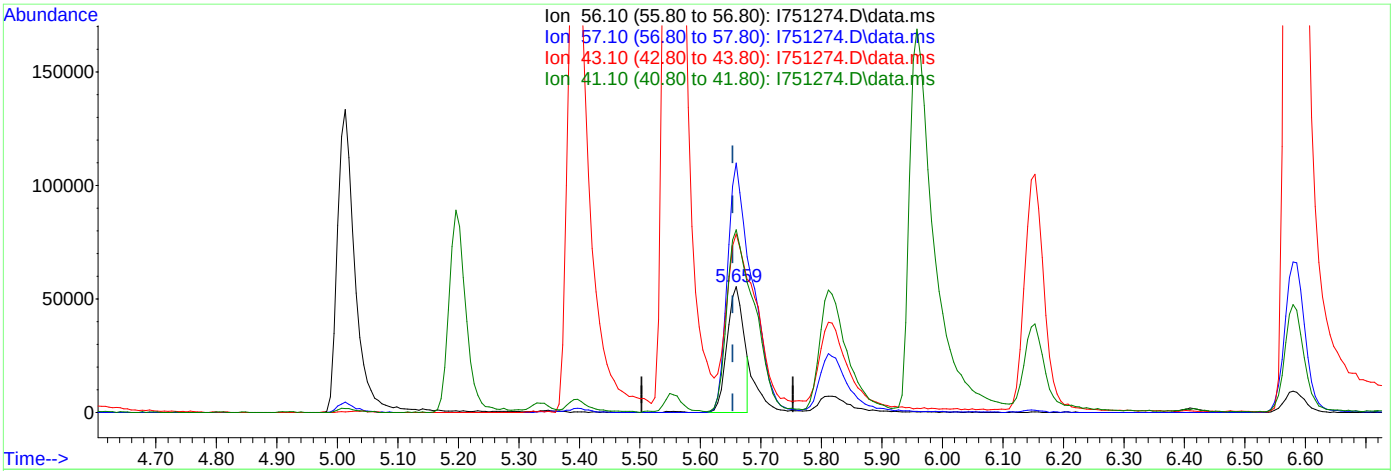
response 128816

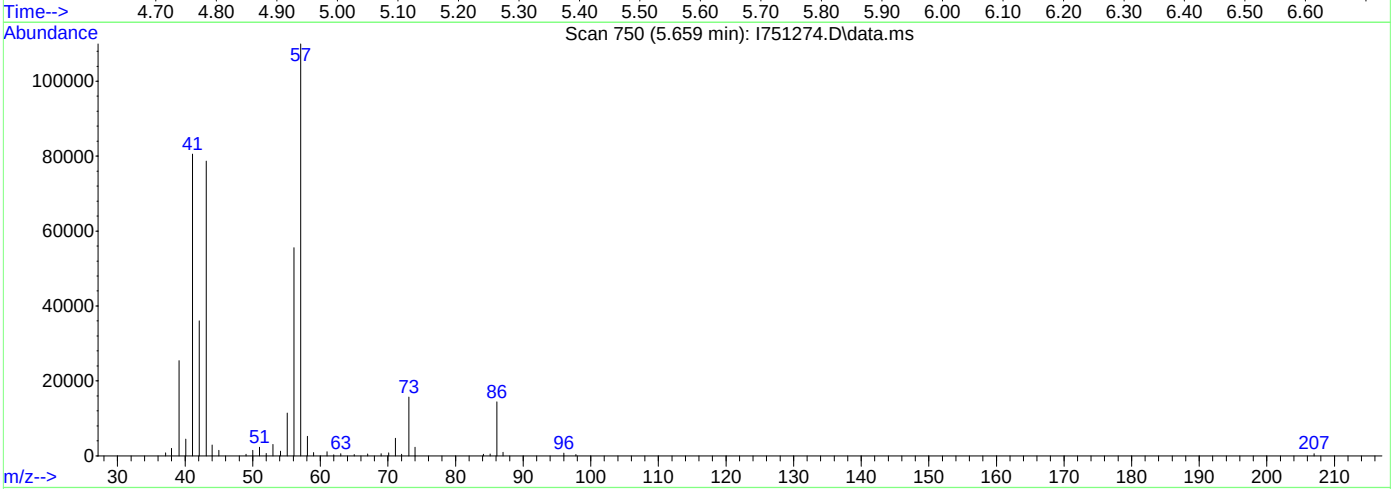
Ion	Exp%	Act%
56.10	100	100
57.10	194.30	198.01
43.10	141.80	126.75
41.10	145.50	143.91

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-14\
Data File : I751274.D
Acq On : 14 Sep 2022 11:12 am
Operator : joannel
Sample : CC2688-5
Misc : MS52329,VI2691,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 11:44:02 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration





TIC: I751274.D\data.ms

(22) Hexane

5.659min (+0.006) 47.65ug/L m

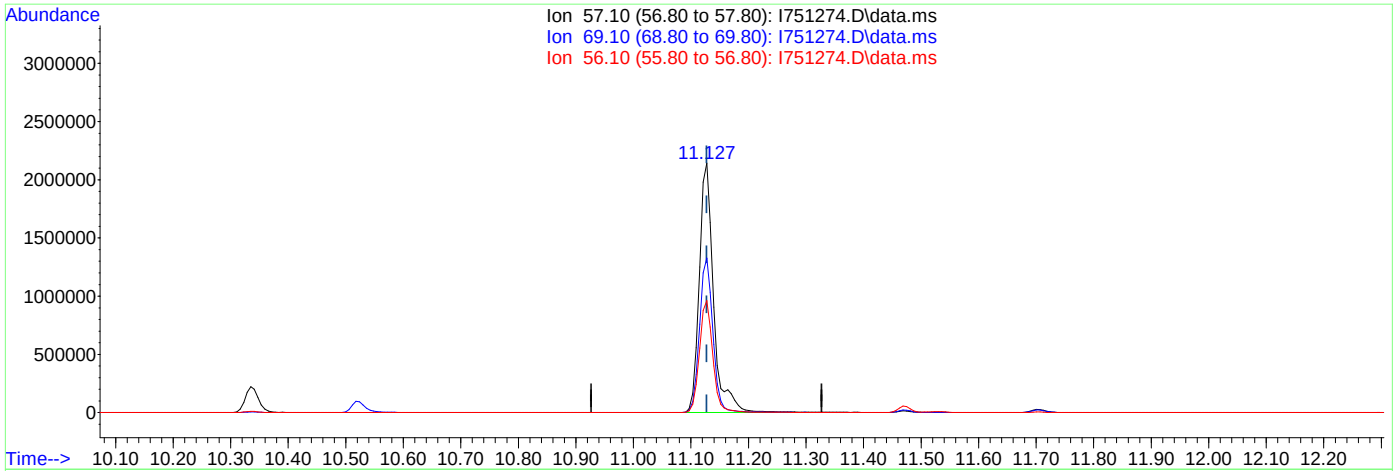
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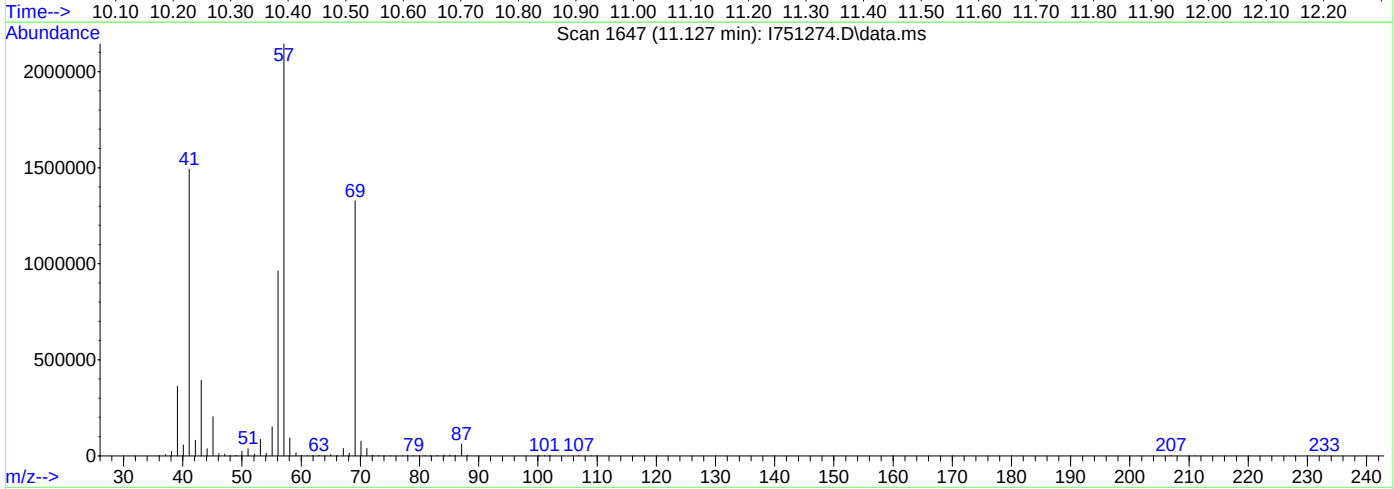
Ion	Exp%	Act%
56.10	100	100
57.10	194.30	198.01
43.10	141.80	141.58
41.10	145.50	144.98

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-14\
Data File : I751274.D
Acq On : 14 Sep 2022 11:12 am
Operator : joannel
Sample : CC2688-5
Misc : MS52329,VI2691,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 11:44:02 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration





TIC: I751274.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.127min (+0.000) 2101.34ug/L

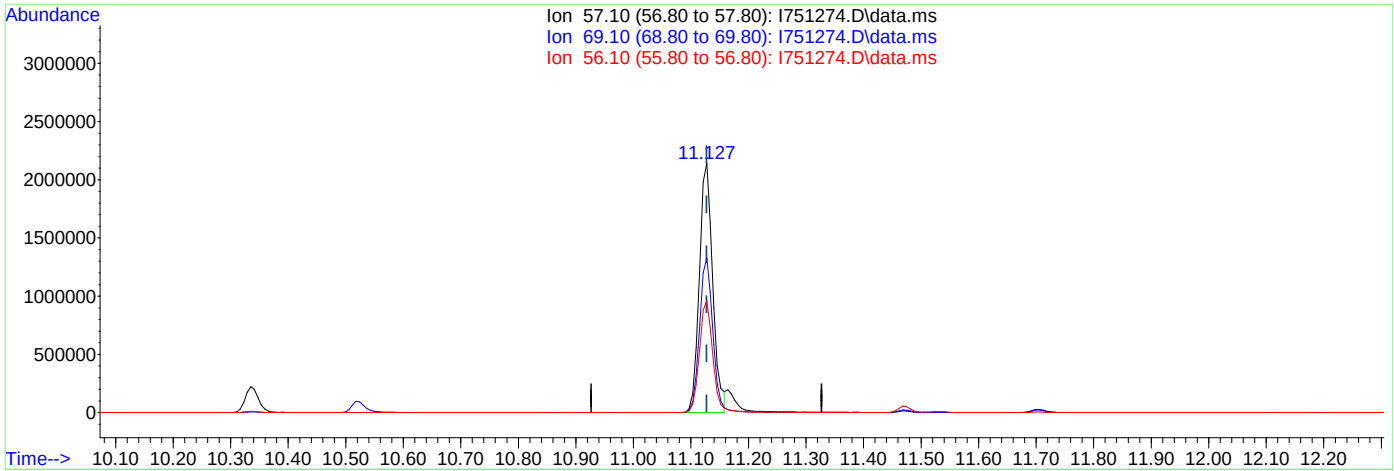
response 3725399

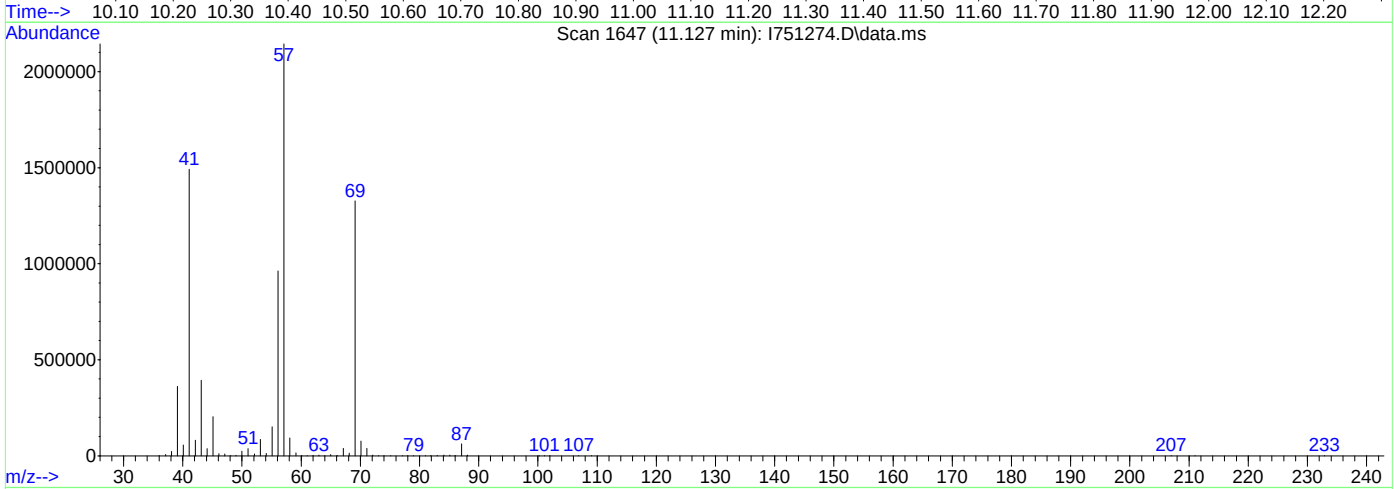
Ion	Exp%	Act%
57.10	100	100
69.10	62.60	61.84
56.10	44.90	44.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-09-14\
Data File : I751274.D
Acq On : 14 Sep 2022 11:12 am
Operator : joannel
Sample : CC2688-5
Misc : MS52329,VI2691,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 11:44:02 2022
Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration





TIC: I751274.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.127min (+0.000) 1953.90ug/L m

response 3462721

Ion	Exp%	Act%
57.10	100	100
69.10	62.60	61.88
56.10	44.90	44.86
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Fereira
09/16/22 02:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751300.d
Acq On : 14 Sep 2022 9:29 pm
Operator : joannel
Sample : ECC2688-5 Inst : MSVOA16
Misc : MS52382,VI2691,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 01:21:03 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.335	96	714569	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	570084	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	295156	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.451	113	202146	50.60	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.20%			
49) 1,2-Dichloroethane-d4	8.037	65	212095	47.66	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.32%			
63) Toluene-d8	9.951	98	746485	48.89	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.78%			
86) 4-Bromofluorobenzene	12.731	174	240903	49.26	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.52%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.385	85	119131	38.71	ug/L	99
3) Chloromethane	2.708	50	158932	41.66	ug/L	99
4) Vinyl Chloride	2.855	62	153894	41.60	ug/L	99
5) 1,3-Butadiene	2.891	39	138420	45.64	ug/L	99
6) Bromomethane	3.385	94	38959	24.67	ug/L	91
7) Chloroethane	3.580	64	78270	45.44	ug/L	100
8) Trichlorofluoromethane	3.794	101	203460	48.37	ug/L	98
9) Ethyl Ether	4.306	59	134340	42.00	ug/L	98
10) 1,2-Dichlorotrifluoroe...	4.556	67	170274	43.06	ug/L	97
11) 1,1-Dichloroethene	4.556	61	210899	42.90	ug/L	97
12) Ethanol	4.550	45	146427	782.63	ug/L	96
13) Freon 113	4.617	101	132815	43.20	ug/L	94
14) Carbon Disulfide	4.598	76	356824	41.66	ug/L	98
15) Iodomethane	4.751	142	121849	51.98	ug/L	96
16) Acrolein	5.013	56	244186	187.81	ug/L	99
17) Allyl chloride	5.196	41	165501	41.03	ug/L	98
18) Methylene Chloride	5.330	49	220531	39.46	ug/L	99
19) Acetone	5.397	43	540830	190.78	ug/L	98
20) Methyl acetate	5.555	43	1169794	217.32	ug/L	99
21) trans-1,2-Dichloroethene	5.555	61	196283	42.21	ug/L	99
22) Hexane	5.659	56	87109m	39.98	ug/L	
23) Methyl Tert Butyl Ether	5.690	73	370118	40.51	ug/L	98
24) Tert butyl alcohol	5.818	59	821245	405.00	ug/L	100
25) Acetonitrile	5.958	41	471346	394.95	ug/L	99
26) Di-isopropyl ether	6.147	45	474492	42.28	ug/L	96
27) Chloroprene	6.281	53	34370	40.92	ug/L	93
28) 1,1-Dichloroethane	6.299	63	242639	41.68	ug/L	96
29) Acrylonitrile	6.342	53	542543	212.91	ug/L	99
30) ETBE	6.580	59	448725	41.30	ug/L	97
31) Vinyl acetate	6.580	43	1543428	211.82	ug/L	99
32) cis-1,2-Dichloroethene	6.945	96	128310	42.02	ug/L	98
33) 2,2-Dichloropropane	7.061	77	174924	37.11	ug/L	99
34) Bromochloromethane	7.177	128	57531	42.84	ug/L	95
35) Cyclohexane	7.202	56	240545	43.73	ug/L	99
36) Chloroform	7.250	83	236592	42.64	ug/L	98
37) Ethyl acetate	7.360	43	1410869	213.97	ug/L	100
38) Tetrahydrofuran	7.439	42	134265	38.93	ug/L	97
40) Carbon Tetrachloride	7.427	117	174571	42.59	ug/L	97
41) 1,1,1-Trichloroethane	7.494	97	201800	41.76	ug/L	98
42) 2-Butanone	7.573	43	868728	206.60	ug/L	99
43) 1,1-Dichloropropene	7.634	75	172649	43.23	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751300.d
Acq On : 14 Sep 2022 9:29 pm
Operator : joannel
Sample : ECC2688-5 Inst : MSVOA16
Misc : MS52382,VI2691,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 01:21:03 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) tert-Butyl Formate	7.726	59	701348	199.14	ug/L	99
45) Propionitrile	7.890	54	569834	384.51	ug/L	97
46) Methacrylonitrile	7.915	41	1518468	381.28	ug/L	99
47) Benzene	7.903	78	493038	42.19	ug/L	97
48) TAME	8.006	73	351358	40.23	ug/L	97
50) Isobutyl alcohol	8.092	42	368845	824.05	ug/L	98
51) 1,2-Dichloroethane	8.110	62	189498	41.82	ug/L	98
52) Tert Amyl Alcohol	8.201	59	690078	403.75	ug/L	98
53) Trichloroethene	8.531	95	129309	42.32	ug/L	97
54) Methylcyclohexane	8.537	83	179540	43.05	ug/L	96
55) Dibromomethane	8.969	93	81864	42.68	ug/L	91
56) 1,2-Dichloropropane	9.061	63	141001	42.28	ug/L	98
57) Bromodichloromethane	9.122	83	166493	42.54	ug/L	99
58) Methyl methacrylate	9.244	41	159270	40.55	ug/L	99
59) 1,4-Dioxane	9.317	88	96648	811.24	ug/L	97
60) 2-Chloroethyl vinyl ether	9.658	63	527055	200.26	ug/L	99
61) cis-1,3-Dichloropropene	9.756	75	193343	41.42	ug/L	97
64) Toluene	10.000	91	509582	39.91	ug/L	97
65) 2-Nitropropane	10.201	41	405236	203.15	ug/L	99
66) 4-Methyl-2-pentanone	10.335	43	1424681	194.40	ug/L	99
67) trans-1,3-Dichloropropene	10.402	75	165086	40.76	ug/L	92
68) Tetrachloroethene	10.414	166	150925	44.29	ug/L	94
69) Ethyl methacrylate	10.518	69	165470	39.08	ug/L	96
70) 1,1,2-Trichloroethane	10.567	83	101162	41.69	ug/L	100
71) Dibromochloromethane	10.762	129	132031	40.53	ug/L	99
72) 1,3-Dichloropropane	10.847	76	197259	39.26	ug/L	97
73) 1,2-Dibromoethane	11.018	107	127126	40.67	ug/L	99
74) 3,3-dimethyl-1-butanol	11.128	57	3395052m	1956.75	ug/L	
75) 2-hexanone	11.164	43	1212454	188.68	ug/L	99
76) 1-Chlorohexane	11.469	91	152339	40.74	ug/L	89
77) Ethylbenzene	11.536	91	562850	39.90	ug/L	99
78) Chlorobenzene	11.530	112	319619	40.17	ug/L	99
79) 1,1,1,2-Tetrachloroethane	11.585	131	120952	40.66	ug/L	97
80) m,p-Xylene	11.676	91	848026	80.47	ug/L	100
81) o-Xylene	12.115	91	423133	40.00	ug/L	99
82) Styrene	12.164	104	312587	42.14	ug/L	98
83) Bromoform	12.219	173	99738	41.38	ug/L	97
84) Isopropylbenzene	12.420	105	515100	40.74	ug/L	98
87) cis-1,4-Dichloro-2-butene	12.767	53	70543	33.95	ug/L	96
88) n-Propylbenzene	12.841	91	619257	40.32	ug/L	100
89) Bromobenzene	12.853	156	133645	39.09	ug/L	97
90) 1,1,2,2-Tetrachloroethane	12.896	83	205897	39.37	ug/L	99
91) 1,3,5-Trimethylbenzene	13.024	105	426805	40.42	ug/L	99
92) 2-Chlorotoluene	13.024	91	404717	38.96	ug/L	99
93) trans-1,4-Dichloro-2-B...	13.078	53	68622	35.96	ug/L	95
94) 1,2,3-Trichloropropane	13.054	110	66612	39.67	ug/L	98
95) Cyclohexanone	13.115	55	118153	195.32	ug/L	96
96) 4-Chlorotoluene	13.188	91	359042	39.21	ug/L	98
97) tert-Butylbenzene	13.359	91	238369	41.85	ug/L	95
98) 1,2,4-Trimethylbenzene	13.432	105	414416	40.37	ug/L	99
99) Pentachloroethane	13.414	167	66489	33.45	ug/L	97
100) sec-Butylbenzene	13.548	105	492985	41.49	ug/L	99
101) 4-Isopropyltoluene	13.682	119	421476	41.72	ug/L	100
102) 1,3-Dichlorobenzene	13.810	146	234517	40.04	ug/L	99
103) 1,2,3-Trimethylbenzene	13.889	105	212780	39.46	ug/L	97
104) 1,4-Dichlorobenzene	13.895	146	245815	38.25	ug/L	97
105) n-Butylbenzene	14.121	92	228224	41.18	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751300.d
Acq On : 14 Sep 2022 9:29 pm
Operator : joannel
Sample : ECC2688-5 Inst : MSVOA16
Misc : MS52382,VI2691,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 01:21:03 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration

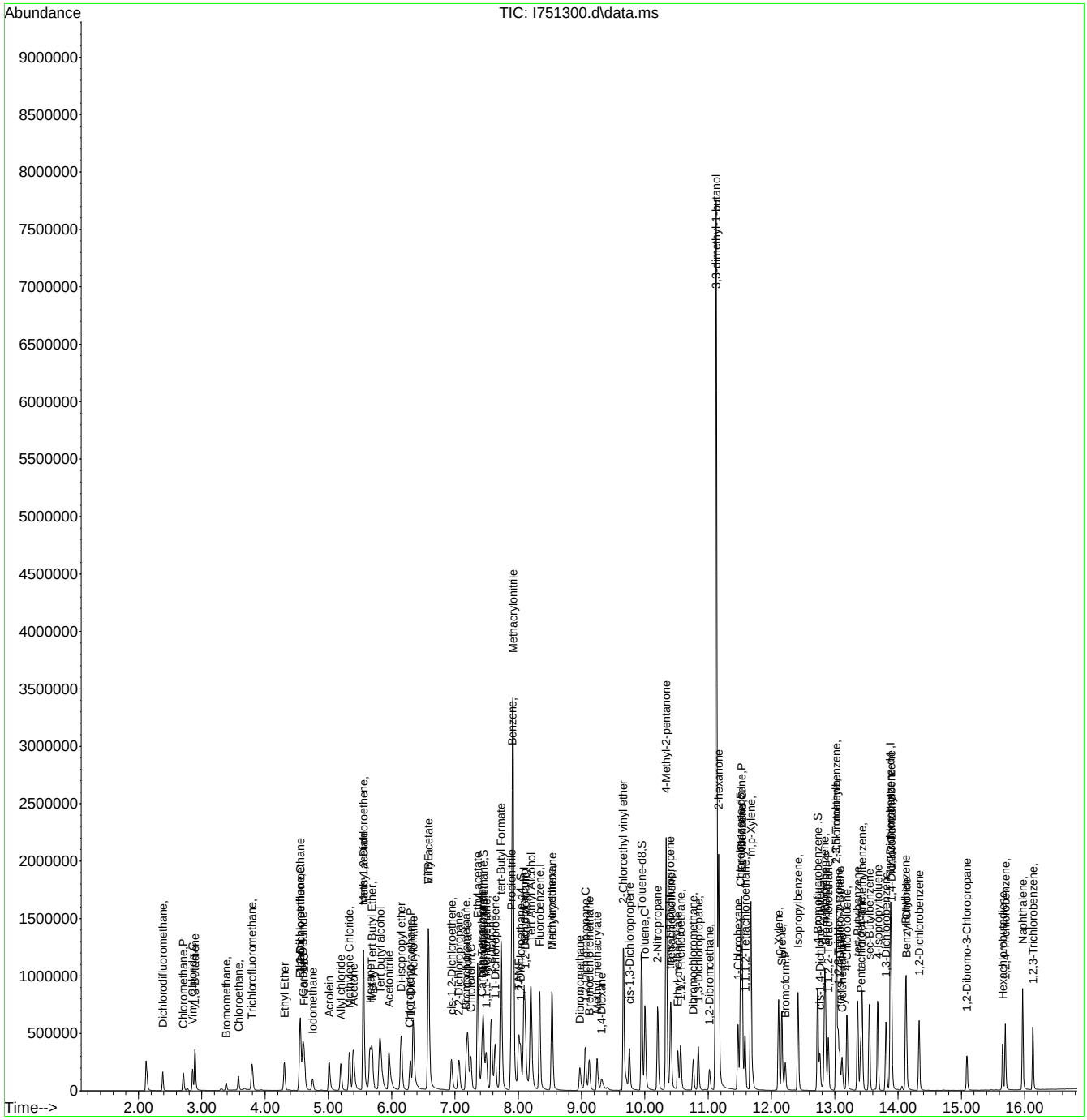
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
106) Benzyl Chloride	14.133	126	56871	34.19	ug/L	#	75
107) 1,2-Dichlorobenzene	14.334	146	225828	39.71	ug/L		99
108) 1,2-Dibromo-3-Chloropr...	15.084	75	63631	41.25	ug/L		89
109) Hexachlorobutadiene	15.651	225	59614	43.09	ug/L		97
110) 1,2,4-Trichlorobenzene	15.694	180	141377	41.67	ug/L		97
111) Naphthalene	15.968	128	520225	41.97	ug/L		98
112) 1,2,3-Trichlorobenzene	16.133	180	142728	40.95	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751300.d
Acq On : 14 Sep 2022 9:29 pm
Operator : joannel
Sample : ECC2688-5 Inst : MSVOA16
Misc : MS52382,VI2691,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 01:21:03 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration



Manual Integration Approval Summary

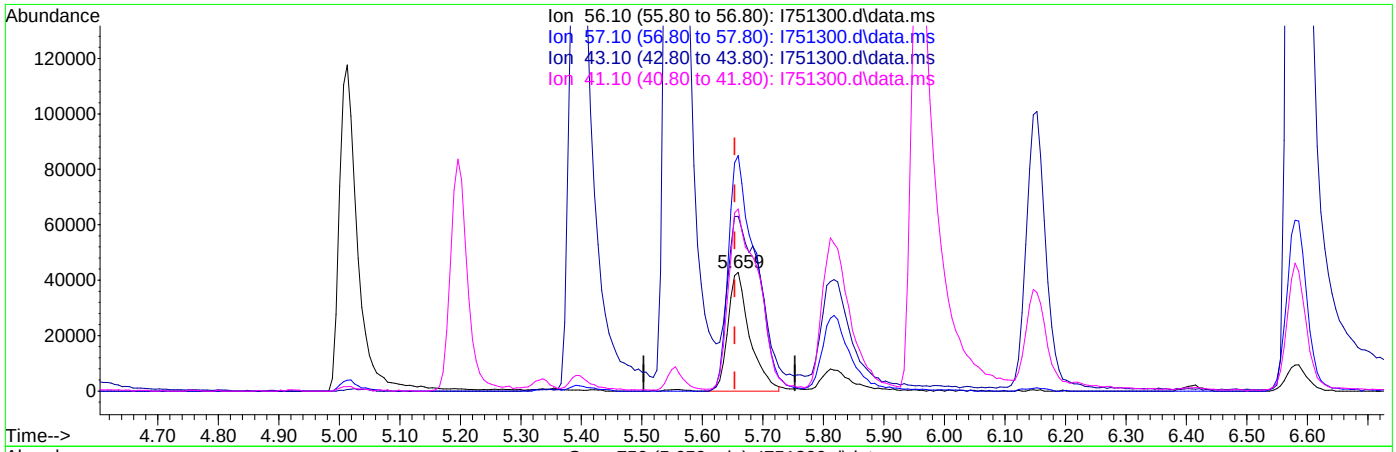
Sample Number: VI2691-ECC2688
Lab FileID: I751300.D
Injection Time: 09/14/22 21:29
Method: SW846 8260D
Analyst approved: 09/15/22 01:44 Jennifer Fereira
Supervisor approved: 09/16/22 02:49 Jennifer Fereira

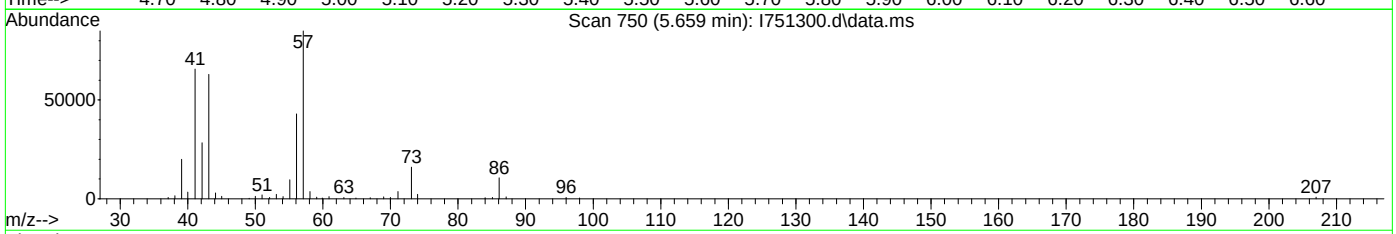
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.66	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.13	Overlapping peak

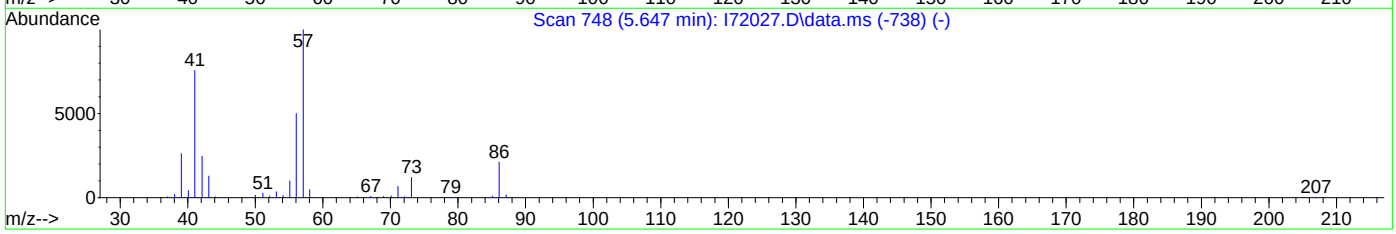
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751300.d
Acq On : 14 Sep 2022 9:29 pm
Operator : joannel
Sample : ECC2688-5 Inst : MSVOA16
Misc : MS52382,VI2691,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 00:22:59 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration







TIC: I751300.d\data.ms

(22) Hexane

5.659min (+0.006) 49.27ug/L

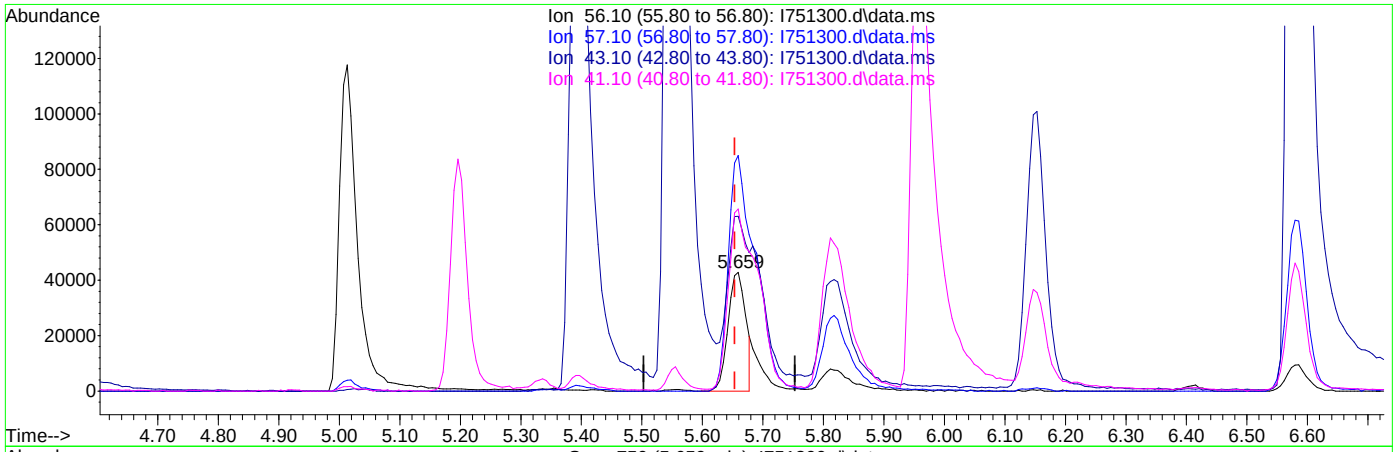
response 107331

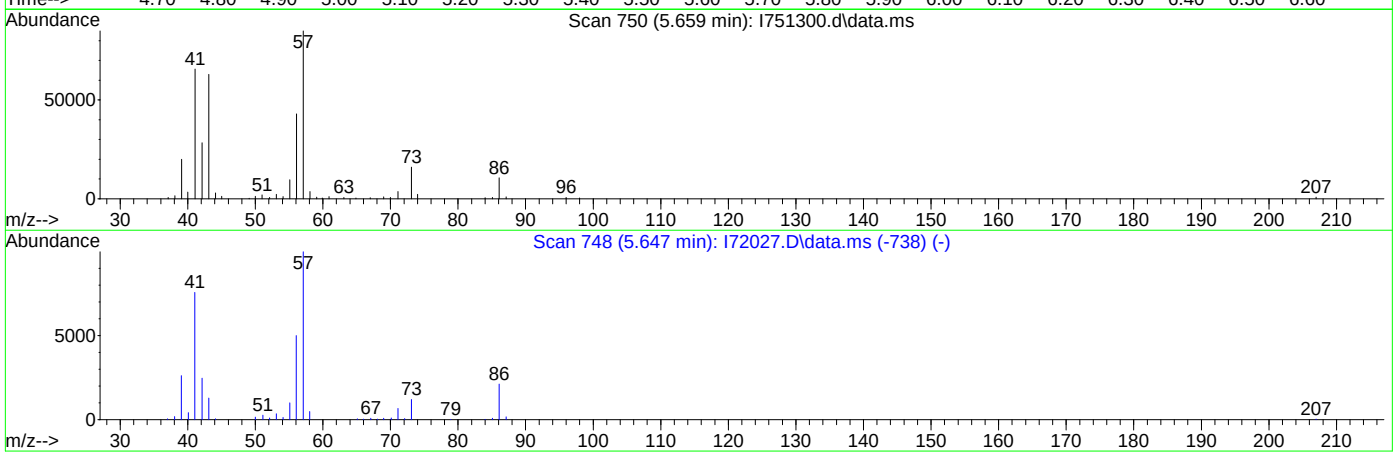
Ion	Exp%	Act%
56.10	100	100
57.10	194.30	198.30
43.10	141.80	126.79
41.10	145.50	151.68

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751300.d
Acq On : 14 Sep 2022 9:29 pm
Operator : joannel
Sample : ECC2688-5 Inst : MSVOA16
Misc : MS52382,VI2691,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 00:22:59 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration





TIC: I751300.d\data.ms

(22) Hexane

5.659min (+0.006) 39.98ug/L m

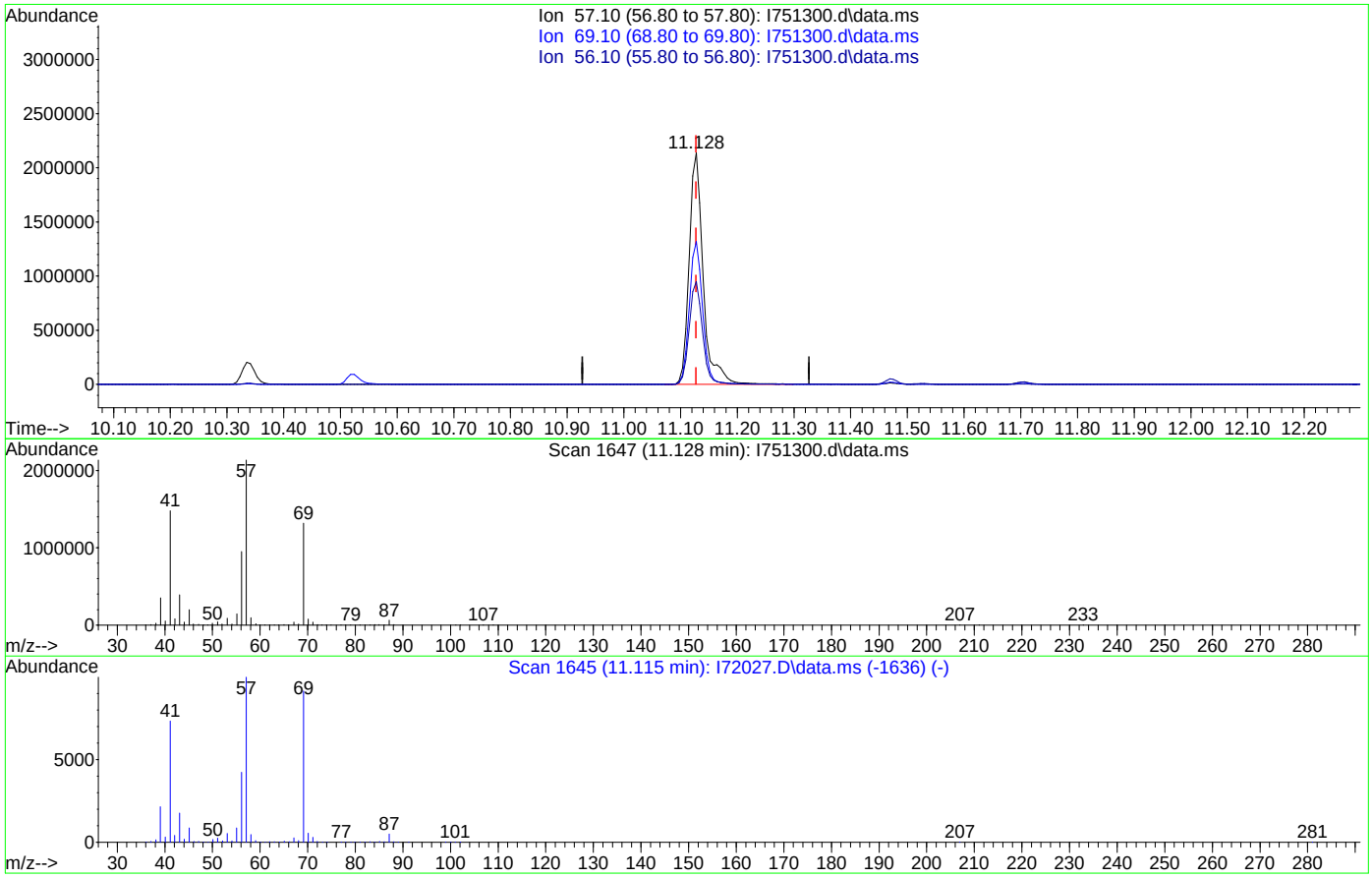
response 87109

Ion	Exp%	Act%
56.10	100	100
57.10	194.30	198.30
43.10	141.80	146.99
41.10	145.50	153.16

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751300.d
Acq On : 14 Sep 2022 9:29 pm
Operator : joannel
Sample : ECC2688-5 Inst : MSVOA16
Misc : MS52382,VI2691,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 00:22:59 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration



TIC: I751300.d\data.ms

(74) 3,3-dimethyl-1-butanol

11.128min (+0.001) 2139.82ug/L

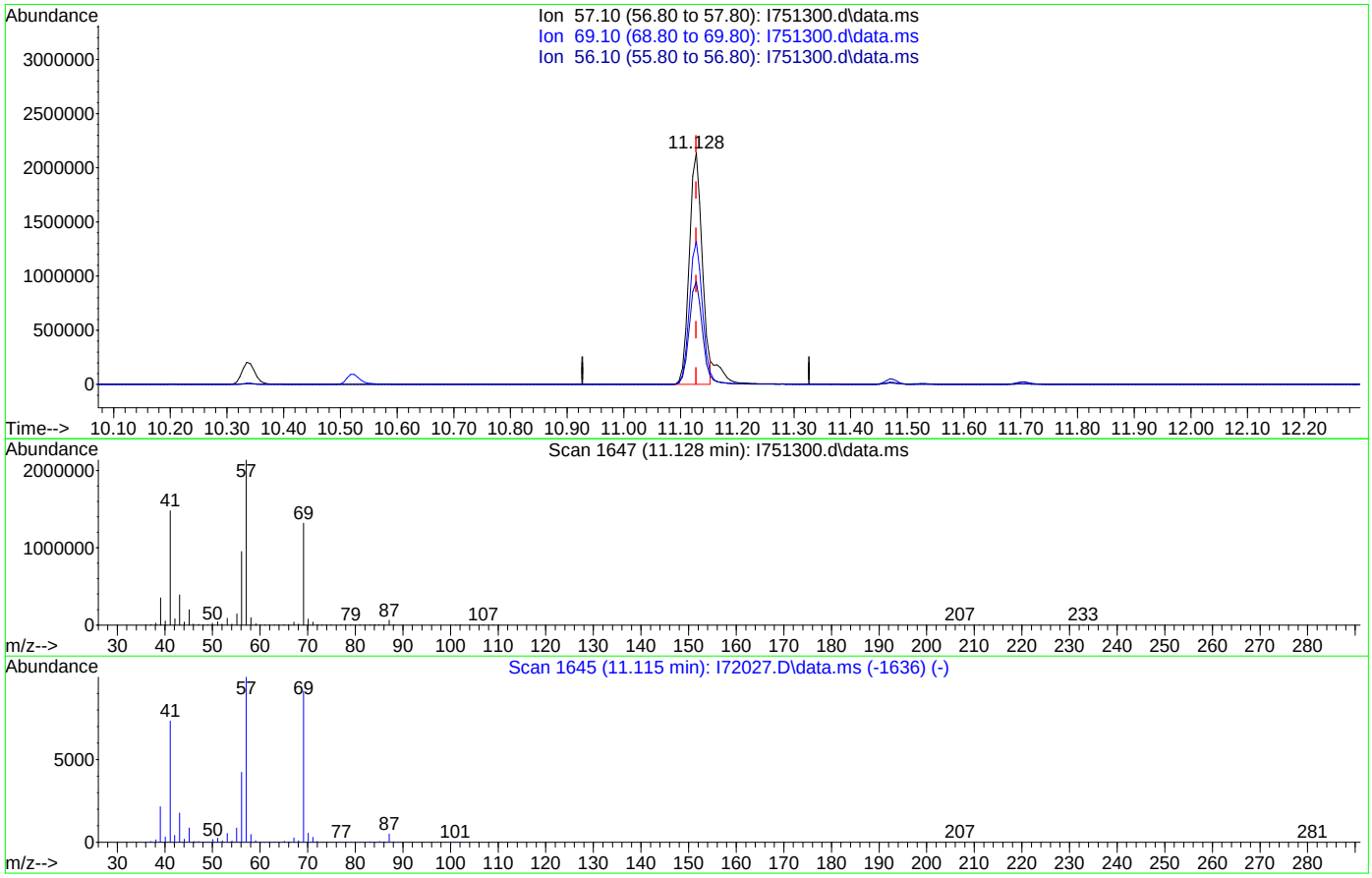
response 3714389

Ion	Exp%	Act%
57.10	100	100
69.10	62.60	61.68
56.10	44.90	44.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\JenniferF\2022\September\09-15-2022\VI2691\
Data File : I751300.d
Acq On : 14 Sep 2022 9:29 pm
Operator : joannel
Sample : ECC2688-5 Inst : MSVOA16
Misc : MS52382,VI2691,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\2022-09-09APP9-I.m
Quant Results File: 2022-09-09APP9-I.RES
Quant Time: Sep 15 00:22:59 2022
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 11:32:06 2022
Response via : Initial Calibration



TIC: I751300.d\data.ms

(74) 3,3-dimethyl-1-butanol

11.128min (+0.001) 1956.75ug/L m

response 3395052

Ion	Exp%	Act%
57.10	100	100
69.10	62.60	61.71
56.10	44.90	44.45
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/12/22 12:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64571.D
Acq On : 8 Sep 2022 2:02 pm
Operator : joannel
Sample : IC2677-1 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 15:26:20 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	9.497	96	1031874	50.00	ug/L		0.00
62) Chlorobenzene-d5	12.149	117	764561	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.773	152	335691	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.602	113	218719	47.31	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.62%				
49) 1,2-Dichloroethane-d4	9.205	65	294650	52.18	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 104.36%				
63) Toluene-d8	10.932	98	995286	52.63	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 105.26%				
86) 4-Bromofluorobenzene	13.007	174	277455	54.44	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 108.88%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.847	85	6098	1.06	ug/L		84
3) Acrolein	5.597	56	1961	1.48	ug/L		82
4) Chloromethane	3.170	50	7642	1.19	ug/L		69
5) 1,3-butadiene	3.340	39	8042	1.37	ug/L		97
6) Vinyl Chloride	3.310	62	6657	0.93	ug/L		82
7) Bromomethane	3.833	94	2274	1.93	ug/L		80
8) Chloroethane	4.028	64	3798	1.55	ug/L		72
9) Trichlorofluoromethane	4.253	101	6859	0.91	ug/L		94
10) Ethyl Ether	4.739	59	5693	1.21	ug/L	#	82
12) 1,2-Dichlorotrifluoroe...	5.031	67	7308	1.41	ug/L		87
13) 1,1-Dichloroethene	5.050	61	8164	1.16	ug/L		87
14) Freon 113	5.110	101	6150	1.26	ug/L		90
15) Carbon Disulfide	5.098	76	16083	1.20	ug/L		76
17) Allyl chloride	5.792	41	6305	0.98	ug/L		83
18) Methylene Chloride	5.956	49	56449	6.74	ug/L		98
19) Acetone	6.059	43	10000	3.51	ug/L		81
20) Methyl acetate	6.236	43	28704	4.28	ug/L		86
21) trans-1,2-Dichloroethene	6.218	61	7728	1.10	ug/L		86
22) Hexane	6.333	56	5358m	1.42	ug/L		
23) Methyl Tert Butyl Ether	6.376	73	17070	1.06	ug/L		59
24) Tert Butyl Alcohol	6.540	59	13842	9.10	ug/L		90
25) Acetonitrile	6.820	41	6826	5.50	ug/L		94
26) Di-isopropyl ether	6.990	45	19621	1.14	ug/L		85
28) 1,1-Dichloroethane	7.209	63	10576	1.16	ug/L		91
29) Acrylonitrile	7.325	53	7257	2.11	ug/L	#	74
30) ETBE	7.574	59	16826	0.98	ug/L		93
31) Vinyl acetate	7.623	43	37502m	2.90	ug/L		
32) cis-1,2-Dichloroethene	8.043	96	7055	1.21	ug/L		89
33) 2,2-Dichloropropane	8.170	77	8962	1.18	ug/L		94
34) Bromochloromethane	8.292	128	3020	1.11	ug/L	#	79
35) Cyclohexane	8.292	56	11698	1.16	ug/L		95
36) Chloroform	8.389	83	10014	1.10	ug/L		84
37) Ethyl acetate	8.529	43	30106	2.94	ug/L		96
38) Tetrahydrofuran	8.608	42	5026	1.20	ug/L		80
40) Carbon Tetrachloride	8.560	117	7156	1.17	ug/L		75
41) 1,1,1-Trichloroethane	8.639	97	9404	1.18	ug/L		90
42) 2-Butanone	8.773	43	13881	2.52	ug/L		75
43) 1,1-Dichloropropene	8.785	75	8535	1.18	ug/L		89
44) tert-Butyl formate	8.906	59	14314	3.07	ug/L		84
45) Propionitrile	9.095	54	12194	7.77	ug/L		92
46) Methacrylonitrile	9.113	41	53718	10.72	ug/L		92
47) Benzene	9.065	78	27675	1.17	ug/L		93
48) TAME	9.168	73	17107	1.02	ug/L		95
50) Isobutyl Alcohol	9.284	42	5290	13.57	ug/L	#	79
51) 1,2-Dichloroethane	9.284	62	7429	1.00	ug/L		81
52) Tert Amyl Alcohol	9.387	59	13798m	10.92	ug/L		
53) Trichloroethene	9.679	95	8233	1.44	ug/L		80
54) Methylcyclohexane	9.667	83	10748	1.08	ug/L		85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64571.D
Acq On : 8 Sep 2022 2:02 pm
Operator : joannel
Sample : IC2677-1 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 15:26:20 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

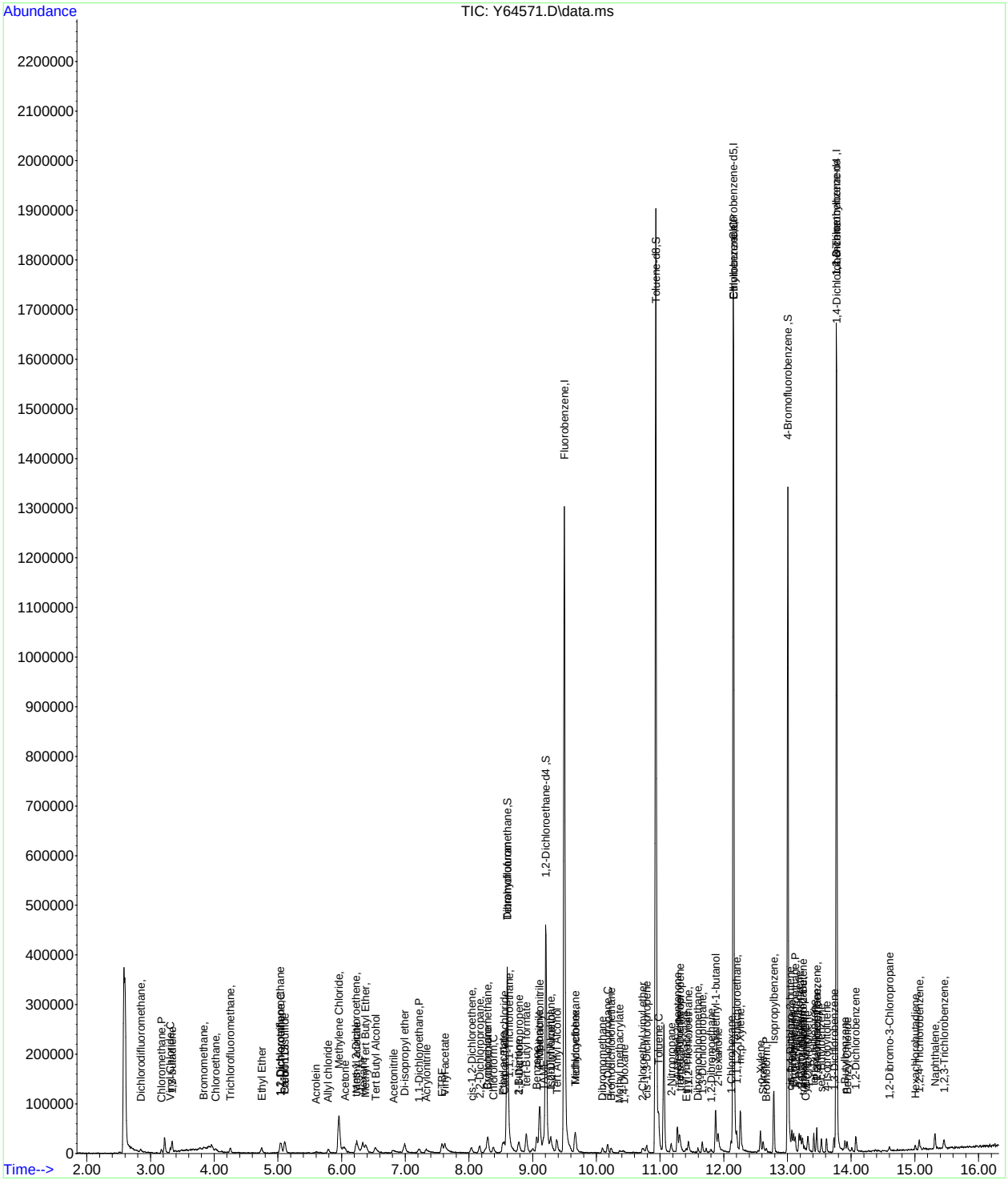
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
55) Dibromomethane	10.093	93	3864	1.20 ug/L	#	68
56) 1,2-Dichloropropane	10.172	63	5365	0.95 ug/L		93
57) Bromodichloromethane	10.233	83	5860	0.97 ug/L	#	95
58) Methyl methacrylate	10.360	41	1941	0.33 ug/L	#	78
59) 1,4-Dioxane	10.433	88	2195	19.60 ug/L		84
60) 2-Chloroethyl vinyl ether	10.719	63	5572	3.63 ug/L	#	80
61) cis-1,3-Dichloropropene	10.792	75	8004	1.03 ug/L		87
64) Toluene	10.981	91	31475	1.35 ug/L		94
65) 2-Nitropropane	11.170	41	9615	4.14 ug/L	#	80
66) 4-Methyl-2-pentanone	11.273	43	36063	4.14 ug/L		97
67) trans-1,3-Dichloropropene	11.322	75	6179	1.00 ug/L		96
68) Tetrachloroethene	11.309	166	7107	1.26 ug/L		78
69) Ethyl methacrylate	11.413	69	4104	0.56 ug/L		90
70) 1,1,2-Trichloroethane	11.443	83	5524	1.36 ug/L		86
71) Dibromochloromethane	11.595	129	3991	0.91 ug/L		73
72) 1,3-Dichloropropane	11.662	76	10383	1.17 ug/L		91
73) 1,2-Dibromoethane	11.802	107	5222	1.04 ug/L		100
74) 3,3-dimethyl-1-butanol	11.875	57	34569m	19.77 ug/L		
75) 2-hexanone	11.912	43	20180	6.98 ug/L		94
76) 1-Chlorohexane	12.119	91	7738	1.10 ug/L		93
77) Ethylbenzene	12.161	91	31990	1.24 ug/L		93
78) Chlorobenzene	12.161	112	17630	1.23 ug/L		87
79) 1,1,1,2-Tetrachloroethane	12.204	131	4941	1.08 ug/L	#	61
80) m,p-Xylene	12.265	91	41952	2.11 ug/L		95
81) o-Xylene	12.575	91	21318	1.12 ug/L		95
82) Styrene	12.617	104	11676	0.84 ug/L		93
83) Bromoform	12.660	173	2897	1.09 ug/L	#	57
84) Isopropylbenzene	12.782	105	21008	0.86 ug/L		89
87) cis-1,4-Dichloro-2-butene	13.049	53	1915	0.98 ug/L	#	80
88) n-Propylbenzene	13.068	91	25524	1.04 ug/L		93
89) Bromobenzene	13.098	156	6281	1.28 ug/L	#	53
90) 1,1,2,2-Tetrachloroethane	13.122	83	7889	1.15 ug/L		95
91) 1,3,5-Trimethylbenzene	13.183	105	16445	0.98 ug/L		94
92) 2-Chlorotoluene	13.208	91	18488	1.16 ug/L		98
93) trans-1,4-Dichloro-2-B...	13.250	53	1784	0.99 ug/L	#	28
94) 1,2,3-Trichloropropane	13.238	110	2748	1.18 ug/L		78
95) Cyclohexanone	13.293	55	2614	5.90 ug/L	#	80
96) 4-Chlorotoluene	13.317	91	16445	1.15 ug/L		98
97) tert-Butylbenzene	13.414	91	8873	0.96 ug/L		82
98) 1,2,4-Trimethylbenzene	13.457	105	16114	0.98 ug/L		91
99) Pentachloroethane	13.469	167	2281	0.91 ug/L		87
100) sec-Butylbenzene	13.530	105	15576	0.77 ug/L		94
101) 4-Isopropyltoluene	13.615	119	12581	0.74 ug/L		95
102) 1,3-Dichlorobenzene	13.731	146	10284	1.16 ug/L		99
103) 1,2,3-Trimethylbenzene	13.761	105	9093	0.54 ug/L	#	34
104) 1,4-Dichlorobenzene	13.779	146	11706m	1.25 ug/L		
105) n-Butylbenzene	13.907	92	5096	0.61 ug/L	#	72
106) Benzyl Chloride	13.938	126	2031	0.79 ug/L		94
107) 1,2-Dichlorobenzene	14.077	146	10228	1.18 ug/L		95
108) 1,2-Dibromo-3-Chloropr...	14.601	75	1756	1.10 ug/L	#	60
109) Hexachlorobutadiene	15.008	225	1253	0.84 ug/L		79
110) 1,2,4-Trichlorobenzene	15.069	180	5005	0.89 ug/L		92
111) Naphthalene	15.312	128	23112	0.95 ug/L		98
112) 1,2,3-Trichlorobenzene	15.458	180	4868	0.86 ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64571.D
Acq On : 8 Sep 2022 2:02 pm
Operator : joannel
Sample : IC2677-1 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 15:26:20 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

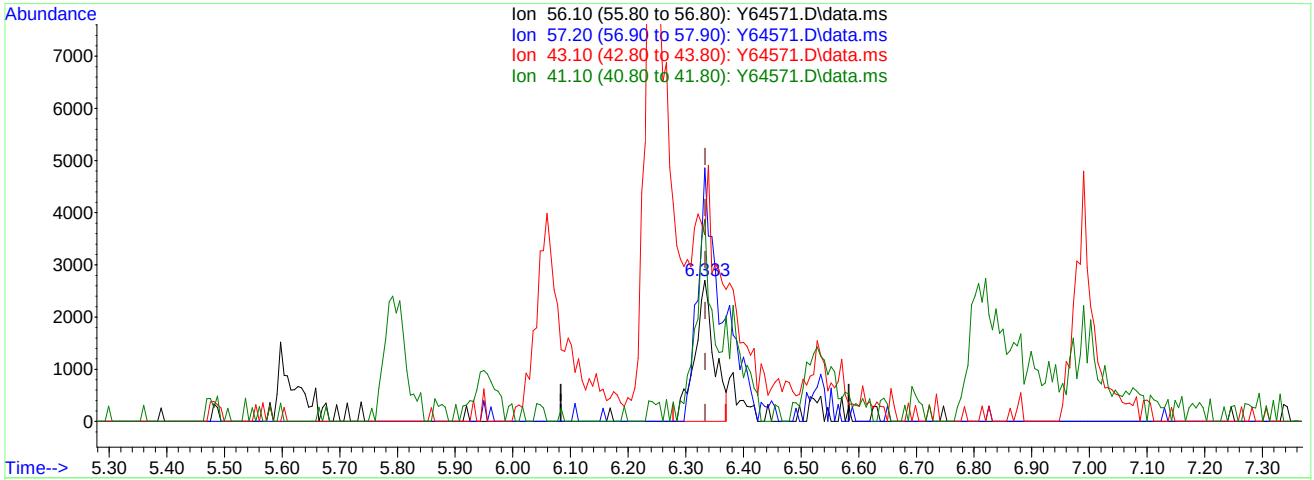
Sample Number: VY2677-IC2677
Lab FileID: Y64571.D
Injection Time: 09/08/22 14:02
Method: SW846 8260D
Analyst approved: 09/12/22 09:56 Jo-Ann Lugo De Jesus
Supervisor approved: 09/12/22 12:51 Karen Watson

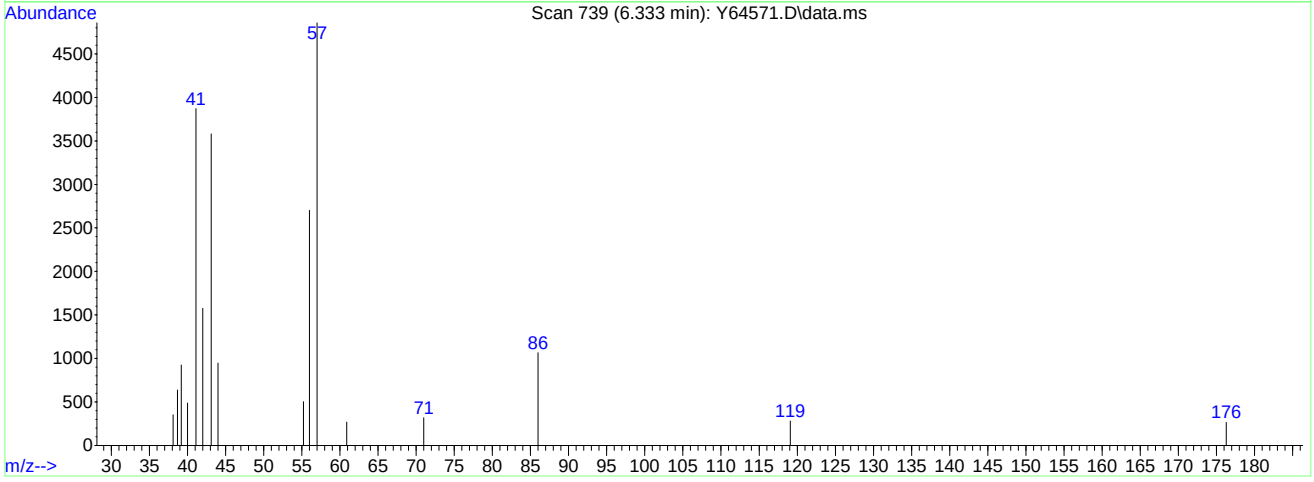
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Vinyl Acetate	108-05-4		7.62	Poor instrument integration
Tert-Amyl Alcohol	75-85-4		9.39	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.88	Overlapping peak
1,4-Dichlorobenzene	106-46-7		13.78	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64571.D
Acq On : 8 Sep 2022 2:02 pm
Operator : joannel
Sample : IC2677-1 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 15:03:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64571.D\data.ms

(22) Hexane

6.333min (-0.000) 1.66ug/L

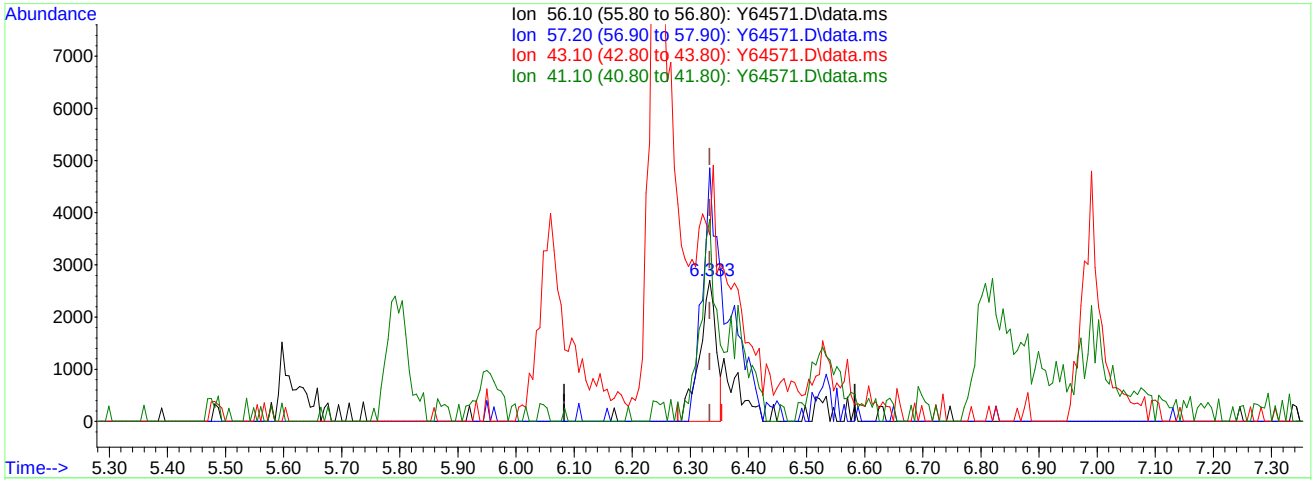
response 6282

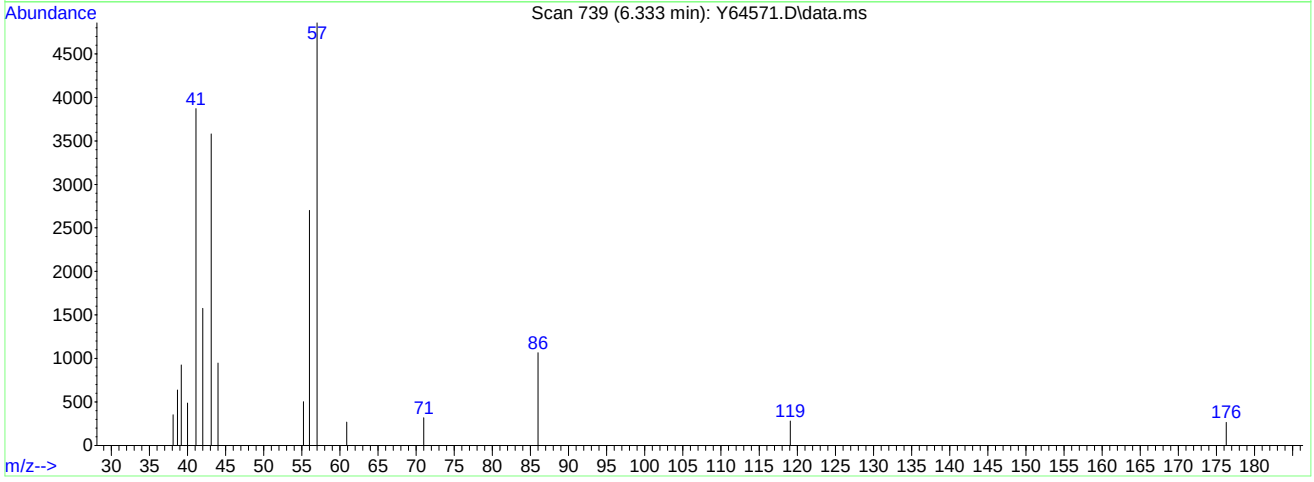
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	179.83
43.10	151.00	38.71#
41.10	129.70	129.53

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64571.D
Acq On : 8 Sep 2022 2:02 pm
Operator : joannel
Sample : IC2677-1 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 15:03:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64571.D\data.ms

(22) Hexane

6.333min (-0.000) 1.42ug/L m

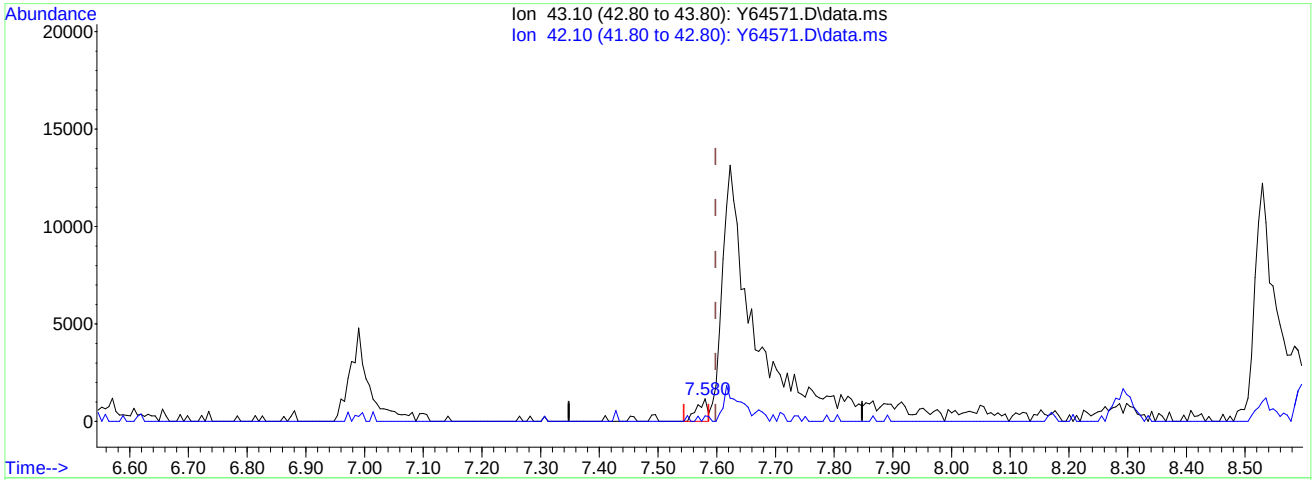
response 5358

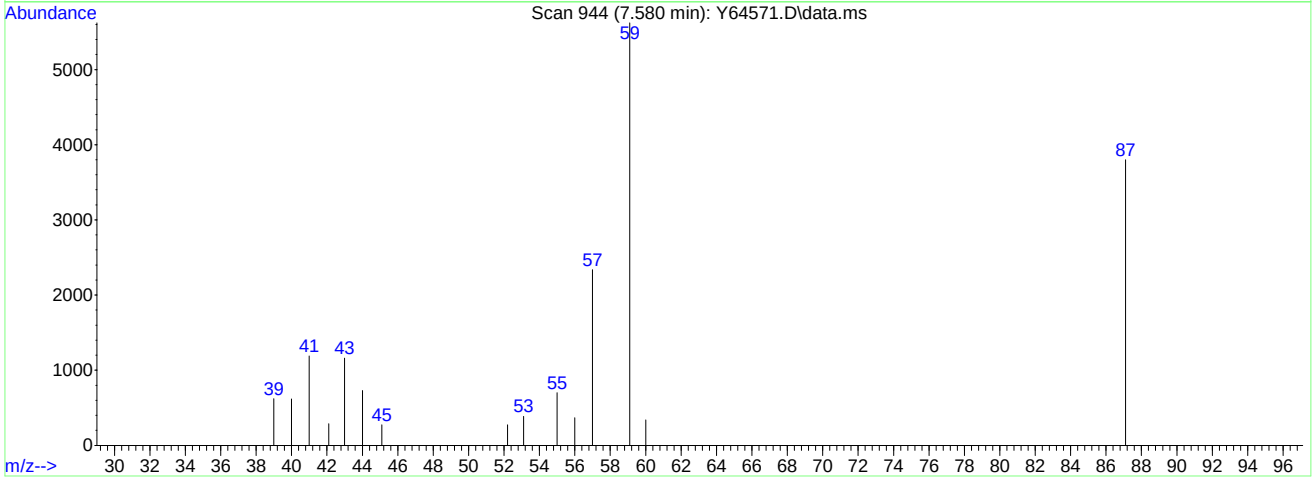
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	179.83
43.10	151.00	132.49
41.10	129.70	143.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64571.D
Acq On : 8 Sep 2022 2:02 pm
Operator : joannel
Sample : IC2677-1 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 15:03:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64571.D\data.ms

(31) Vinyl acetate

7.580min (-0.018) 0.11ug/L

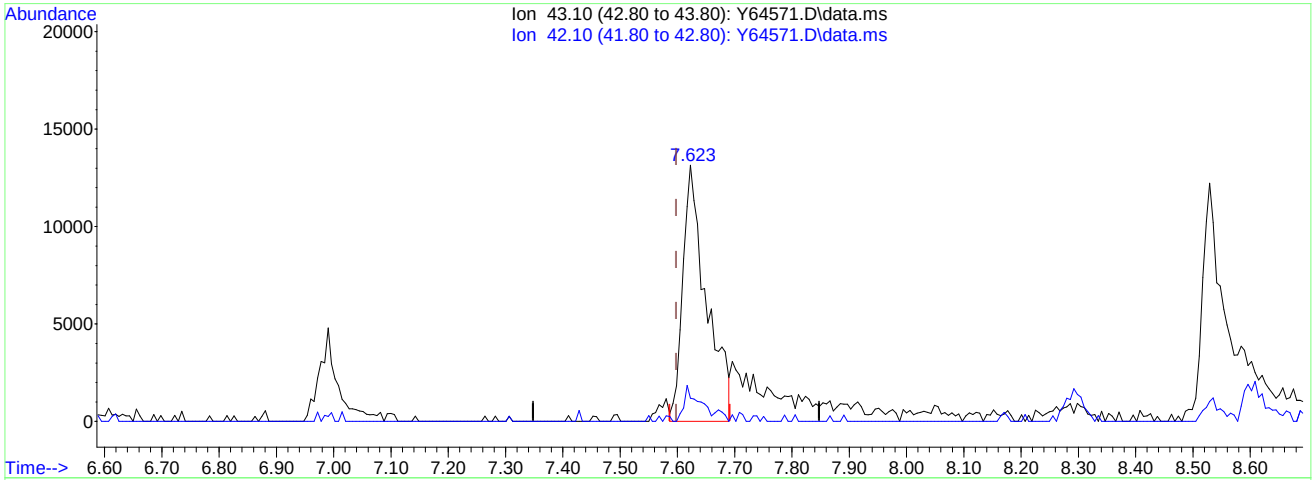
response 1449

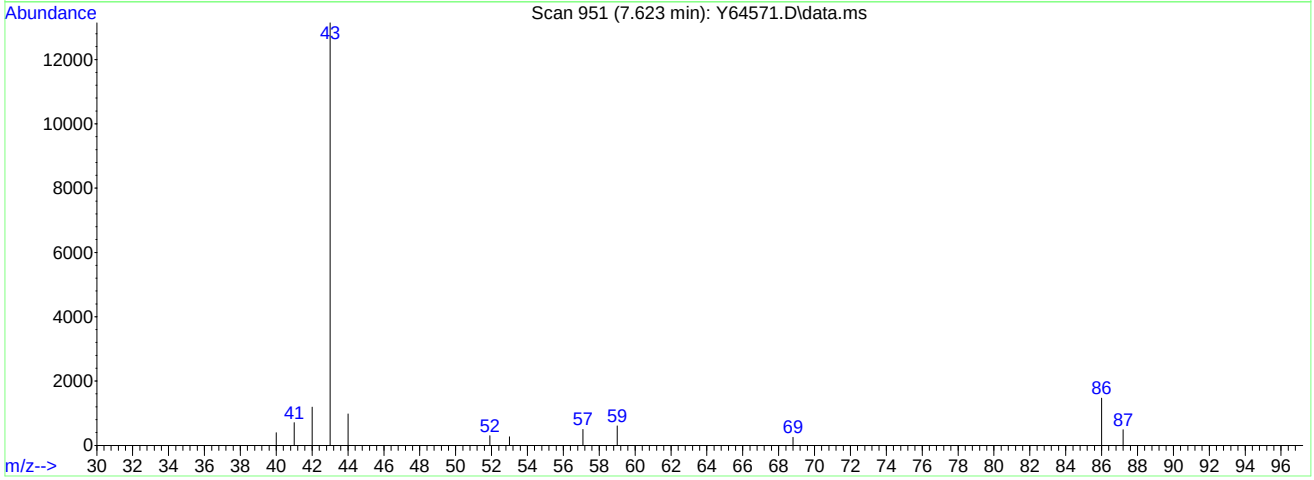
Ion	Exp%	Act%
43.10	100	100
42.10	8.80	24.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64571.D
Acq On : 8 Sep 2022 2:02 pm
Operator : joannel
Sample : IC2677-1 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 15:03:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64571.D\data.ms

(31) Vinyl acetate

7.623min (+0.025) 2.90ug/L m

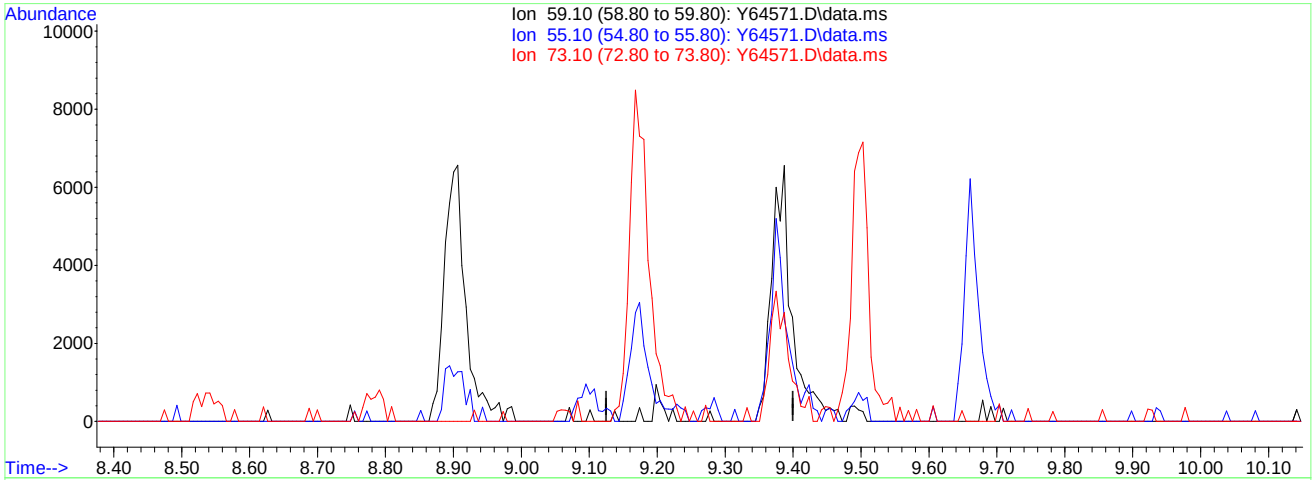
response 37502

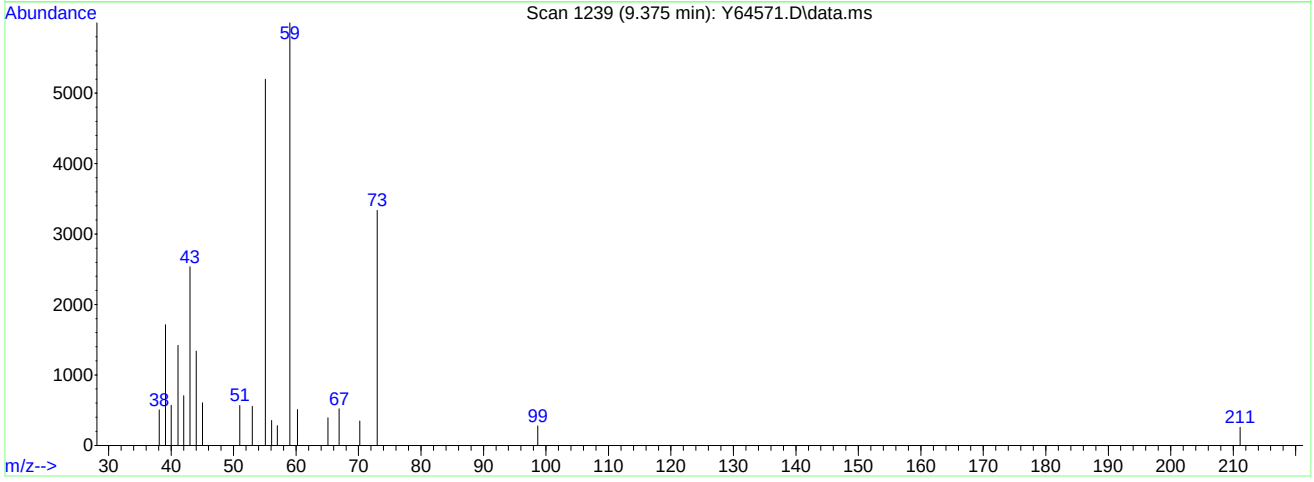
Ion	Exp%	Act%
43.10	100	100
42.10	8.80	9.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64571.D
Acq On : 8 Sep 2022 2:02 pm
Operator : joannel
Sample : IC2677-1 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 15:03:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64571.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-9.375) 0.00ug/L

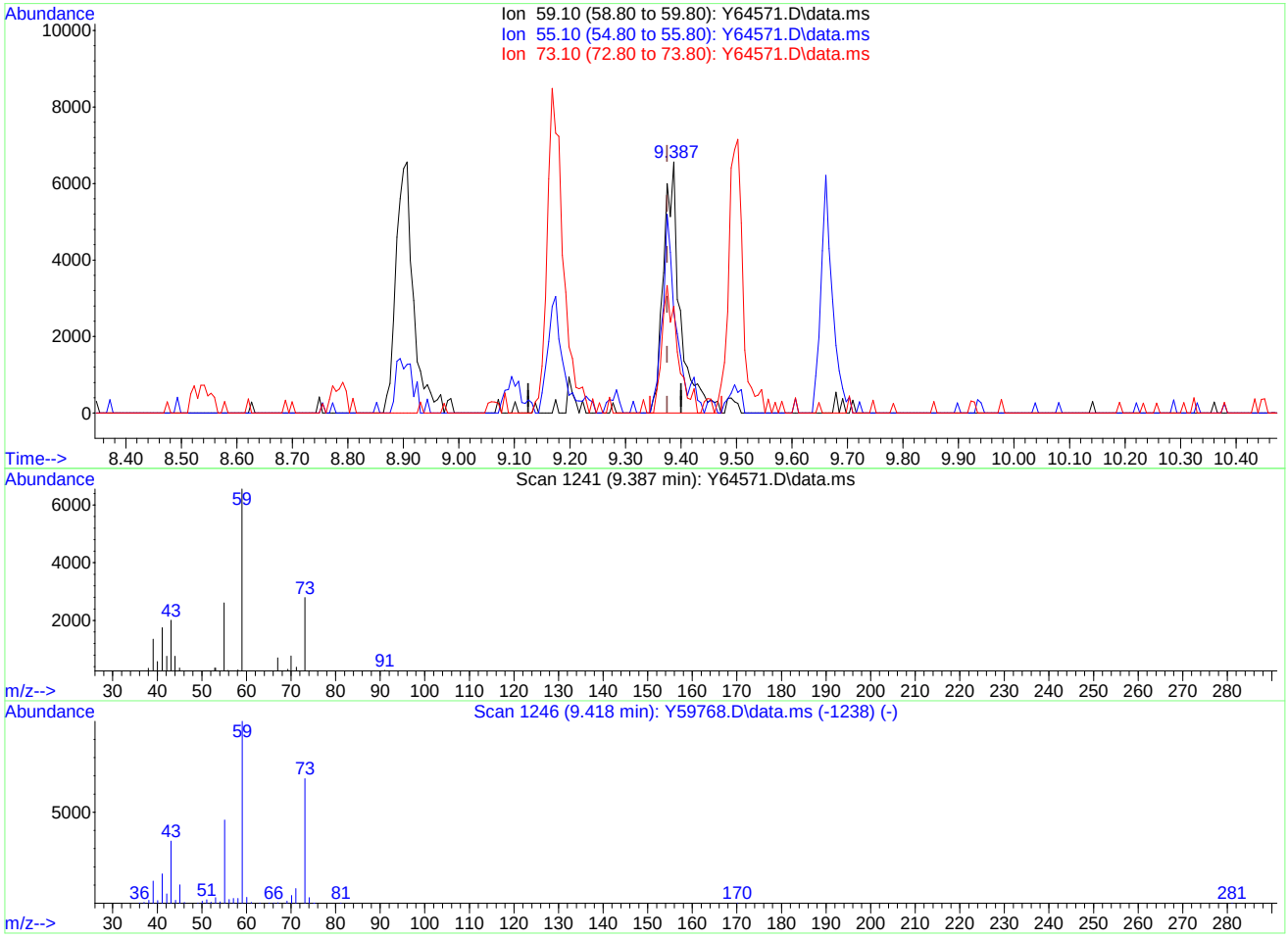
response 0

Ion	Exp%	Act%
59.10	100	0.00
55.10	51.70	0.00#
73.10	59.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64571.D
Acq On : 8 Sep 2022 2:02 pm
Operator : joannel
Sample : IC2677-1 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 15:03:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



TIC: Y64571.D\data.ms

(52) Tert Amyl Alcohol

9.387min (+0.012) 10.92ug/L m

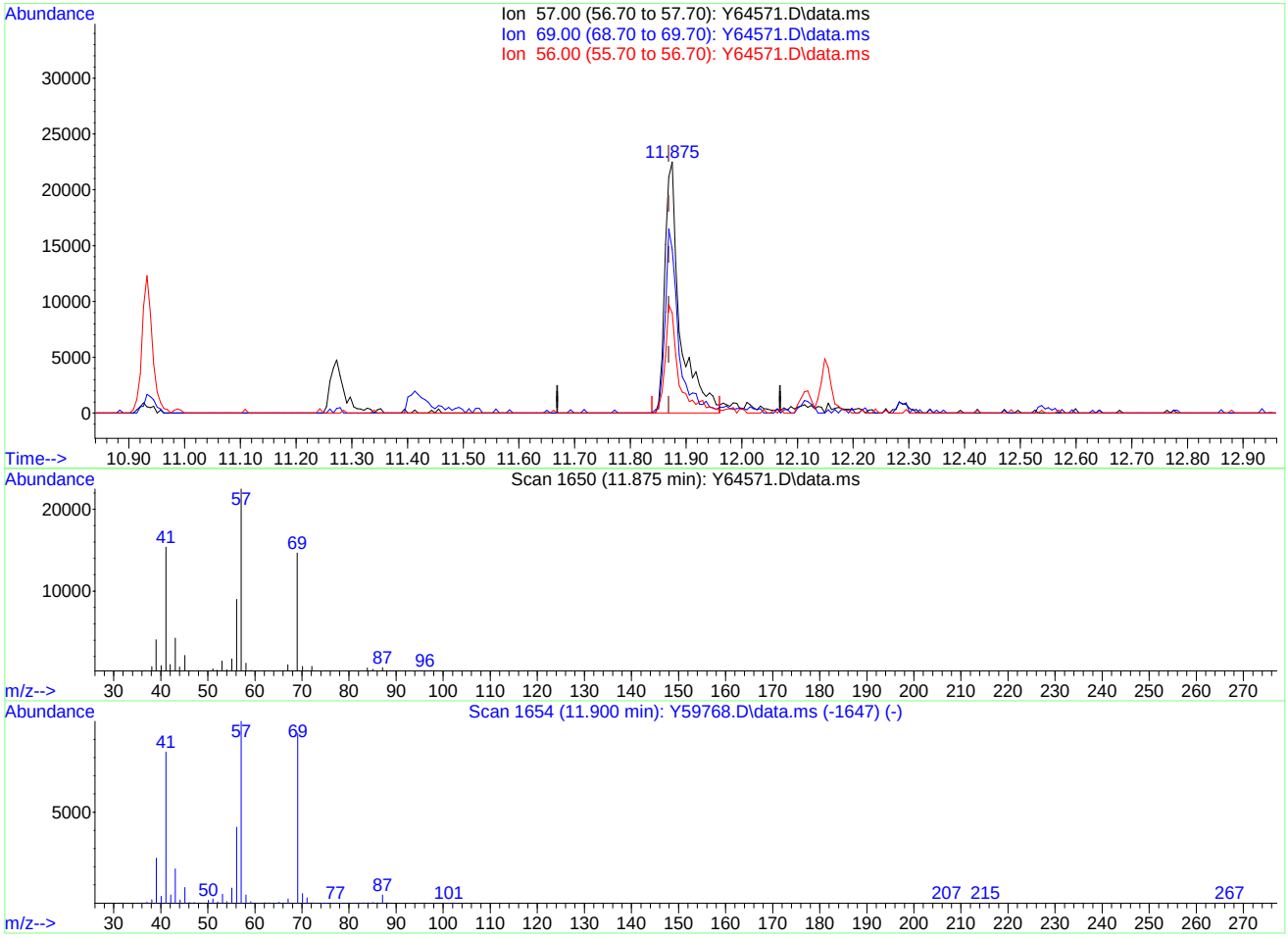
response 13798

Ion	Exp%	Act%
59.10	100	100
55.10	51.70	39.80
73.10	59.00	42.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64571.D
Acq On : 8 Sep 2022 2:02 pm
Operator : joannel
Sample : IC2677-1 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 15:03:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



TIC: Y64571.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.875min (+0.006) 24.47ug/L

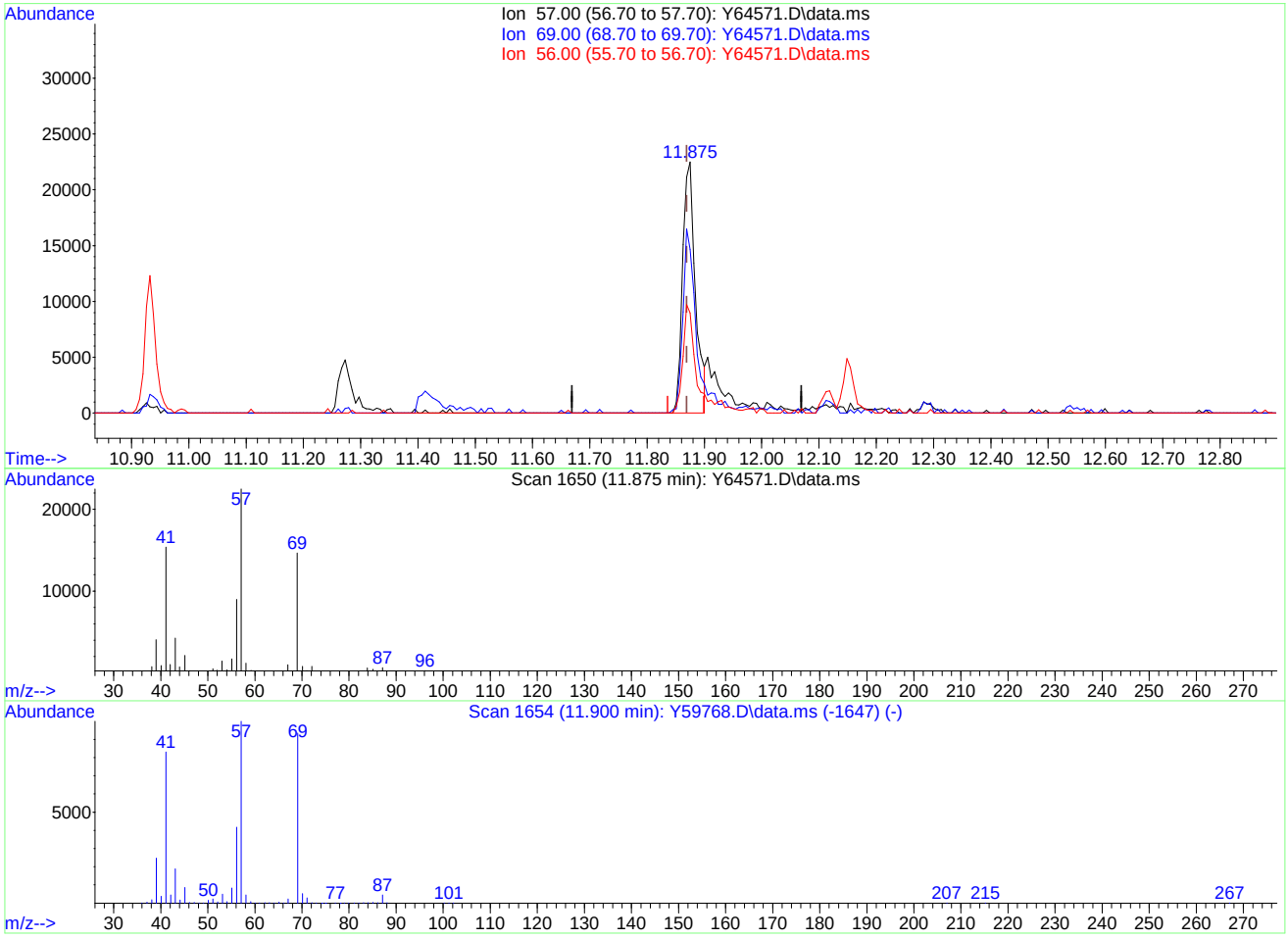
response 42788

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	65.18
56.00	42.20	39.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64571.D
Acq On : 8 Sep 2022 2:02 pm
Operator : joannel
Sample : IC2677-1 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 15:03:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



TIC: Y64571.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.875min (+0.006) 19.77ug/L m

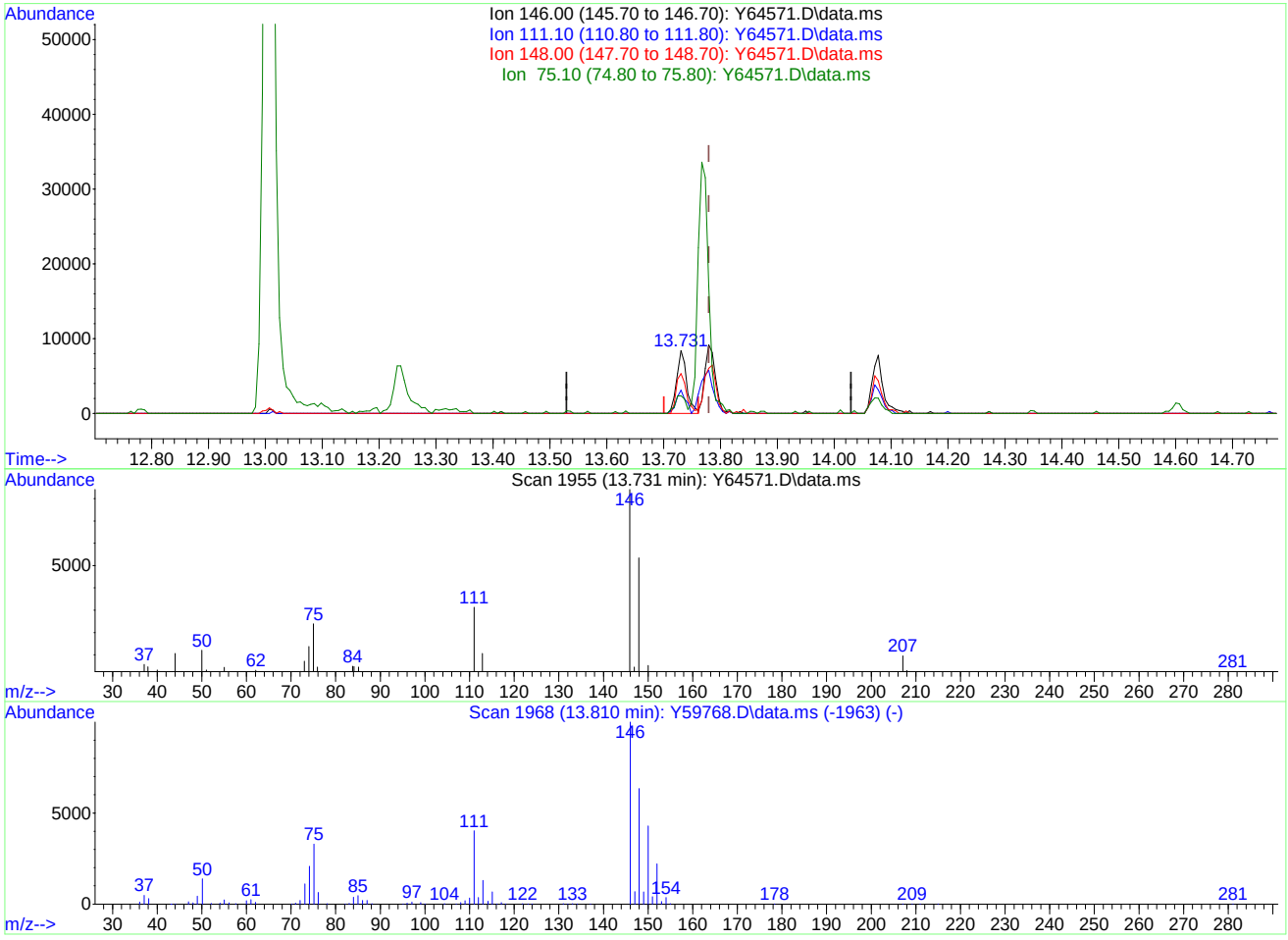
response 34569

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	65.18
56.00	42.20	39.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64571.D
Acq On : 8 Sep 2022 2:02 pm
Operator : joannel
Sample : IC2677-1 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 15:03:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



TIC: Y64571.D\data.ms

(104) 1,4-Dichlorobenzene

13.731min (-0.049) 1.10ug/L

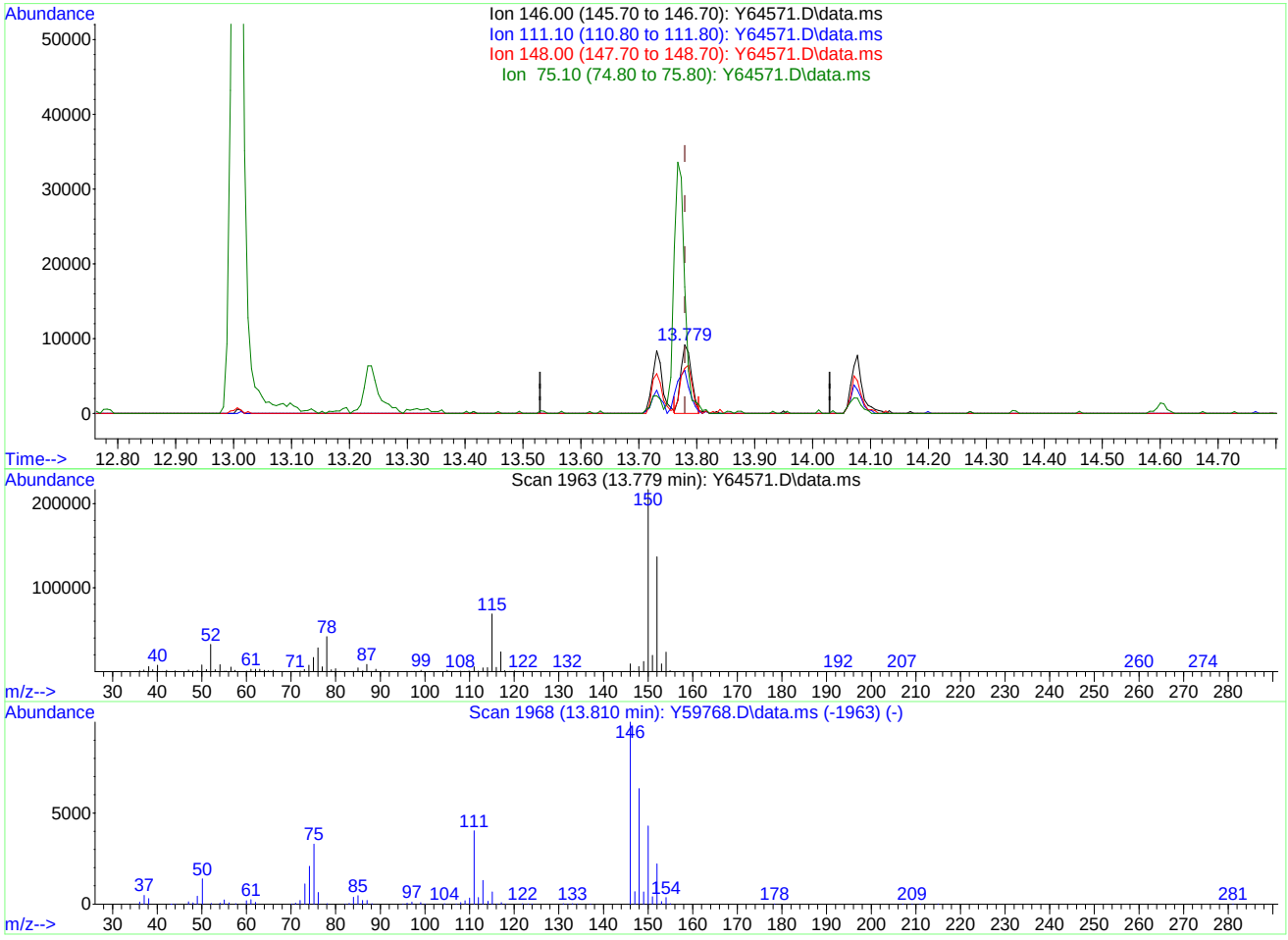
response 10284

Ion	Exp%	Act%
146.00	100	100
111.10	38.90	37.29
148.00	65.10	63.47
75.10	33.30	28.38

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64571.D
Acq On : 8 Sep 2022 2:02 pm
Operator : joannel
Sample : IC2677-1 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 15:03:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



TIC: Y64571.D\data.ms

(104) 1,4-Dichlorobenzene

13.779min (-0.000) 1.25ug/L m

response 11706

Ion	Exp%	Act%
146.00	100	100
111.10	38.90	63.01
148.00	65.10	65.91
75.10	33.30	184.13#

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/12/22 12:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64572.D
Acq On : 8 Sep 2022 2:26 pm
Operator : joannel
Sample : IC2677-2 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 09:36:39 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.498	96	1036001	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	763781	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	351574	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	223296	49.48	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.96%			
49) 1,2-Dichloroethane-d4	9.206	65	297541	50.80	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.60%			
63) Toluene-d8	10.933	98	1022514	52.32	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 104.64%			
86) 4-Bromofluorobenzene	13.008	174	301542	52.69	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 105.38%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.842	85	22351	5.45	ug/L	86
3) Acrolein	5.592	56	20841	17.65	ug/L	92
4) Chloromethane	3.177	50	29353	5.20	ug/L	97
5) 1,3-butadiene	3.341	39	29328	5.75	ug/L	94
6) Vinyl Chloride	3.311	62	29531	5.11	ug/L	99
7) Bromomethane	3.834	94	7882	4.31	ug/L	96
8) Chloroethane	4.029	64	20904	9.48	ug/L	94
9) Trichlorofluoromethane	4.248	101	31625	4.92	ug/L	99
10) Ethyl Ether	4.740	59	25034	5.02	ug/L	88
11) Ethanol	4.996	45	8280	48.30	ug/L	97
12) 1,2-Dichlorotrifluoroe...	5.038	67	31913	5.29	ug/L	97
13) 1,1-Dichloroethene	5.057	61	35367	5.05	ug/L	92
14) Freon 113	5.118	101	25878	5.61	ug/L	94
15) Carbon Disulfide	5.105	76	60185	4.60	ug/L	93
16) Iodomethane	5.270	142	2023	2.06	ug/L	83
17) Allyl chloride	5.793	41	28902	4.72	ug/L	85
18) Methylene Chloride	5.957	49	76324	9.01	ug/L	92
19) Acetone	6.042	43	76449	27.87	ug/L	99
20) Methyl acetate	6.237	43	140602	22.06	ug/L	99
21) trans-1,2-Dichloroethene	6.225	61	32571	4.75	ug/L	93
22) Hexane	6.334	56	21567m	5.61	ug/L	
23) Methyl Tert Butyl Ether	6.383	73	81396	4.98	ug/L	95
24) Tert Butyl Alcohol	6.535	59	70049	43.65	ug/L	89
25) Acetonitrile	6.790	41	41695	33.63	ug/L	94
26) Di-isopropyl ether	6.985	45	83146	4.69	ug/L	98
27) Chloroprene	7.180	53	5577	4.72	ug/L	89
28) 1,1-Dichloroethane	7.216	63	44177	4.88	ug/L	91
29) Acrylonitrile	7.320	53	53257	18.58	ug/L	93
30) ETBE	7.575	59	79050	4.67	ug/L	96
31) Vinyl acetate	7.612	43	227952	18.69	ug/L	92
32) cis-1,2-Dichloroethene	8.032	96	28027	4.93	ug/L	94
33) 2,2-Dichloropropane	8.165	77	36491	4.87	ug/L	94
34) Bromochloromethane	8.299	128	11617	4.72	ug/L #	75
35) Cyclohexane	8.293	56	49687	5.11	ug/L	98
36) Chloroform	8.378	83	44638	5.01	ug/L	99
37) Ethyl acetate	8.524	43	180524	21.35	ug/L	98
38) Tetrahydrofuran	8.603	42	15714	4.21	ug/L	88
40) Carbon Tetrachloride	8.555	117	30800	5.10	ug/L	92
41) 1,1,1-Trichloroethane	8.634	97	39347	5.04	ug/L	91
42) 2-Butanone	8.749	43	127317	28.02	ug/L	98
43) 1,1-Dichloropropene	8.786	75	36626	5.01	ug/L	95
44) tert-Butyl formate	8.901	59	99686	23.51	ug/L	98
45) Propionitrile	9.084	54	66226	44.08	ug/L	97
46) Methacrylonitrile	9.108	41	224493	42.95	ug/L	98
47) Benzene	9.066	78	113347	4.88	ug/L	98
48) TAME	9.175	73	76929	4.80	ug/L	96
50) Isobutyl Alcohol	9.279	42	32649	75.28	ug/L	96
51) 1,2-Dichloroethane	9.285	62	32990	4.70	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64572.D
Acq On : 8 Sep 2022 2:26 pm
Operator : joannel
Sample : IC2677-2 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 09:36:39 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration

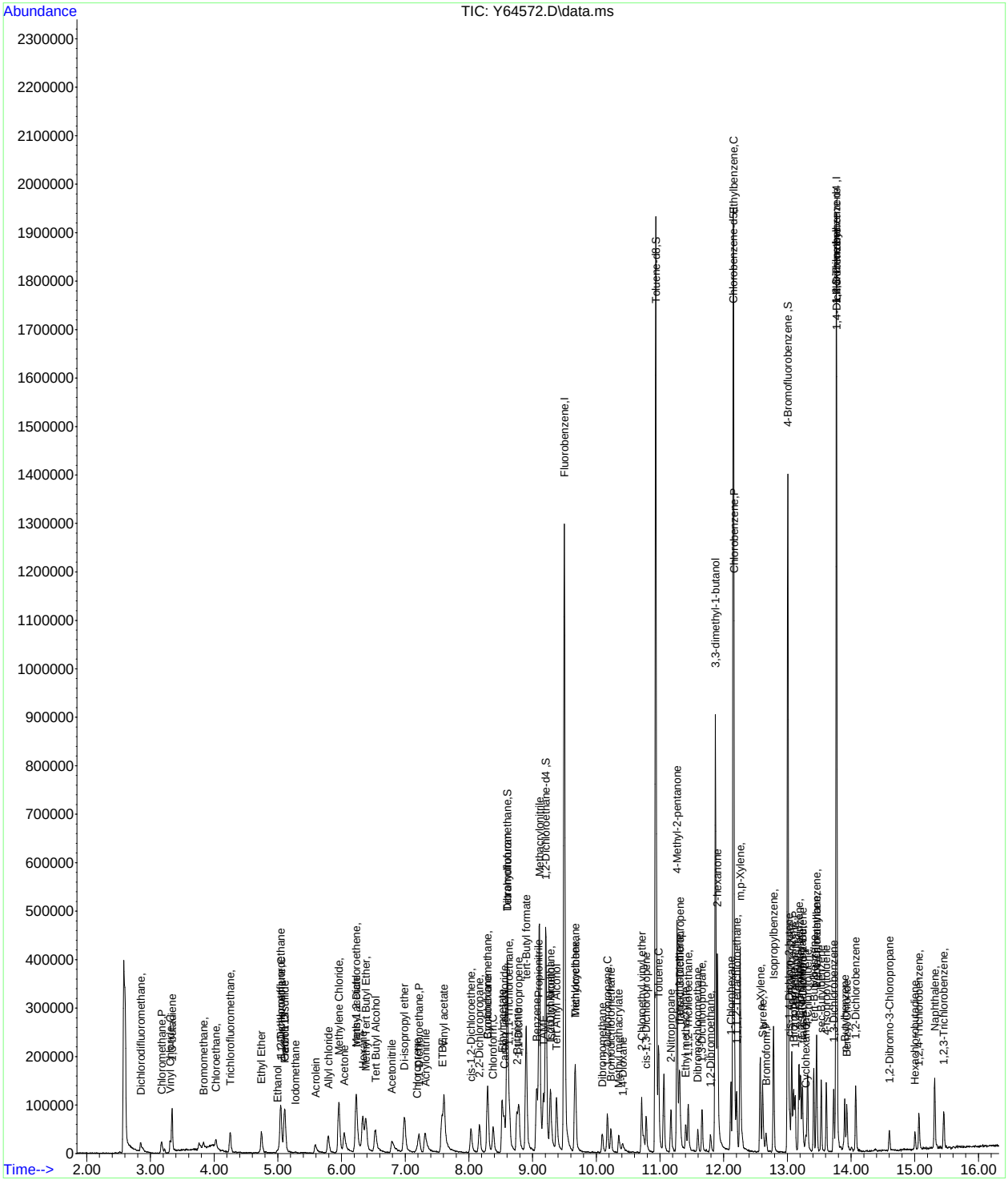
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	9.376	59	59769m	42.48	ug/L		
53) Trichloroethene	9.674	95	26748	4.89	ug/L		93
54) Methylcyclohexane	9.662	83	47097	5.11	ug/L		97
55) Dibromomethane	10.088	93	14645	4.63	ug/L		96
56) 1,2-Dichloropropane	10.173	63	26630	4.90	ug/L		94
57) Bromodichloromethane	10.228	83	27285	4.65	ug/L		87
58) Methyl methacrylate	10.349	41	23602	4.30	ug/L	#	85
59) 1,4-Dioxane	10.410	88	12479	76.98	ug/L		86
60) 2-Chloroethyl vinyl ether	10.714	63	47091	26.14	ug/L		96
61) cis-1,3-Dichloropropene	10.781	75	35098	4.39	ug/L		98
64) Toluene	10.982	91	120787	4.97	ug/L		99
65) 2-Nitropropane	11.171	41	45115	20.89	ug/L		95
66) 4-Methyl-2-pentanone	11.268	43	254861	26.99	ug/L		97
67) trans-1,3-Dichloropropene	11.317	75	29188	4.37	ug/L		97
68) Tetrachloroethene	11.304	166	29884	4.96	ug/L		92
69) Ethyl methacrylate	11.408	69	29538	4.14	ug/L		98
70) 1,1,2-Trichloroethane	11.438	83	20581	4.86	ug/L		87
71) Dibromochloromethane	11.596	129	20099	4.67	ug/L		97
72) 1,3-Dichloropropane	11.663	76	45113	4.99	ug/L		99
73) 1,2-Dibromoethane	11.791	107	22412	4.65	ug/L		92
74) 3,3-dimethyl-1-butanol	11.870	57	311781m	217.93	ug/L		
75) 2-hexanone	11.901	43	212093	38.30	ug/L		95
76) 1-Chlorohexane	12.114	91	33708	4.73	ug/L		93
77) Ethylbenzene	12.162	91	128619	4.69	ug/L		96
78) Chlorobenzene	12.168	112	72110	4.85	ug/L		85
79) 1,1,1,2-Tetrachloroethane	12.199	131	22217	4.72	ug/L		91
80) m,p-Xylene	12.260	91	191939	9.34	ug/L		99
81) o-Xylene	12.576	91	90668	4.66	ug/L		97
82) Styrene	12.612	104	59842	4.35	ug/L		97
83) Bromoform	12.667	173	12739	4.47	ug/L		96
84) Isopropylbenzene	12.783	105	106856	4.71	ug/L		96
87) cis-1,4-Dichloro-2-butene	13.032	53	9159	4.12	ug/L	#	79
88) n-Propylbenzene	13.069	91	116051	4.68	ug/L		93
89) Bromobenzene	13.099	156	26812	4.94	ug/L		88
90) 1,1,2,2-Tetrachloroethane	13.123	83	38104	4.89	ug/L		97
91) 1,3,5-Trimethylbenzene	13.178	105	72785	4.61	ug/L		96
92) 2-Chlorotoluene	13.209	91	79611	4.80	ug/L		96
93) trans-1,4-Dichloro-2-B...	13.245	53	8342	4.17	ug/L	#	56
94) 1,2,3-Trichloropropane	13.233	110	12720	4.86	ug/L		96
95) Cyclohexanone	13.294	55	10497	18.62	ug/L		87
96) 4-Chlorotoluene	13.318	91	69235	4.67	ug/L		96
97) tert-Butylbenzene	13.415	91	38529	4.72	ug/L		99
98) 1,2,4-Trimethylbenzene	13.458	105	71318	4.61	ug/L		92
99) Pentachloroethane	13.464	167	10022	4.17	ug/L	#	81
100) sec-Butylbenzene	13.531	105	74920	4.71	ug/L		96
101) 4-Isopropyltoluene	13.610	119	60820	4.67	ug/L		95
102) 1,3-Dichlorobenzene	13.726	146	42208	4.78	ug/L		94
103) 1,2,3-Trimethylbenzene	13.762	105	38021	4.89	ug/L		84
104) 1,4-Dichlorobenzene	13.780	146	47052	4.89	ug/L		86
105) n-Butylbenzene	13.902	92	25013	4.57	ug/L		97
106) Benzyl Chloride	13.939	126	11377	4.22	ug/L	#	64
107) 1,2-Dichlorobenzene	14.072	146	42369	4.75	ug/L		93
108) 1,2-Dibromo-3-Chloropr...	14.602	75	7836	4.46	ug/L		88
109) Hexachlorobutadiene	15.003	225	4862	4.67	ug/L		87
110) 1,2,4-Trichlorobenzene	15.070	180	19109	4.49	ug/L		96
111) Naphthalene	15.313	128	99666	4.64	ug/L		96
112) 1,2,3-Trichlorobenzene	15.453	180	19063	4.53	ug/L		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64572.D
Acq On : 8 Sep 2022 2:26 pm
Operator : joannel
Sample : IC2677-2 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 09:36:39 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration



Manual Integration Approval Summary

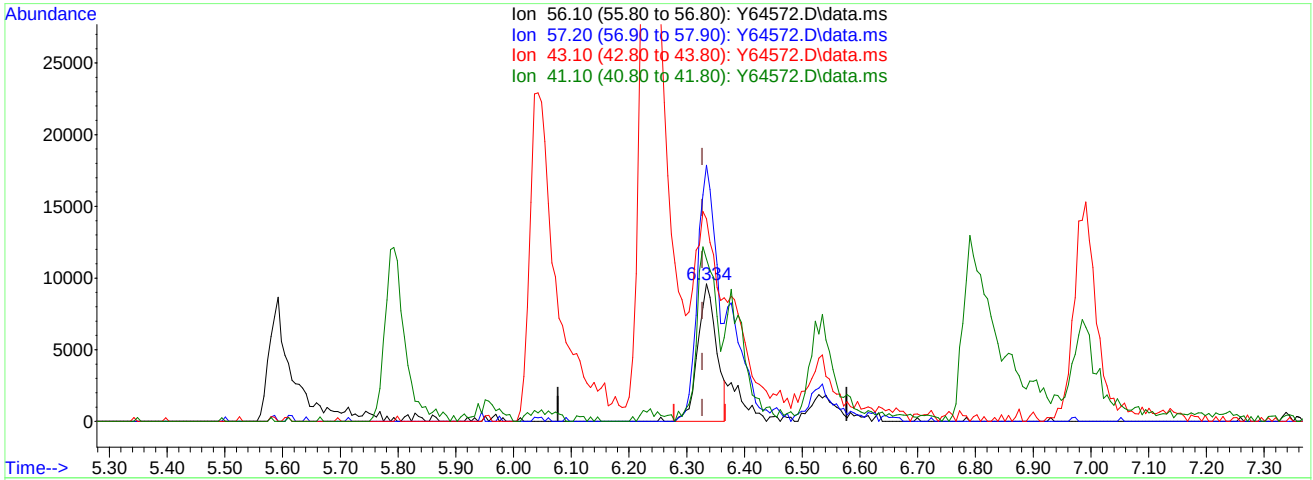
Sample Number: VY2677-IC2677
Lab FileID: Y64572.D
Injection Time: 09/08/22 14:26
Method: SW846 8260D
Analyst approved: 09/12/22 09:56 Jo-Ann Lugo De Jesus
Supervisor approved: 09/12/22 12:51 Karen Watson

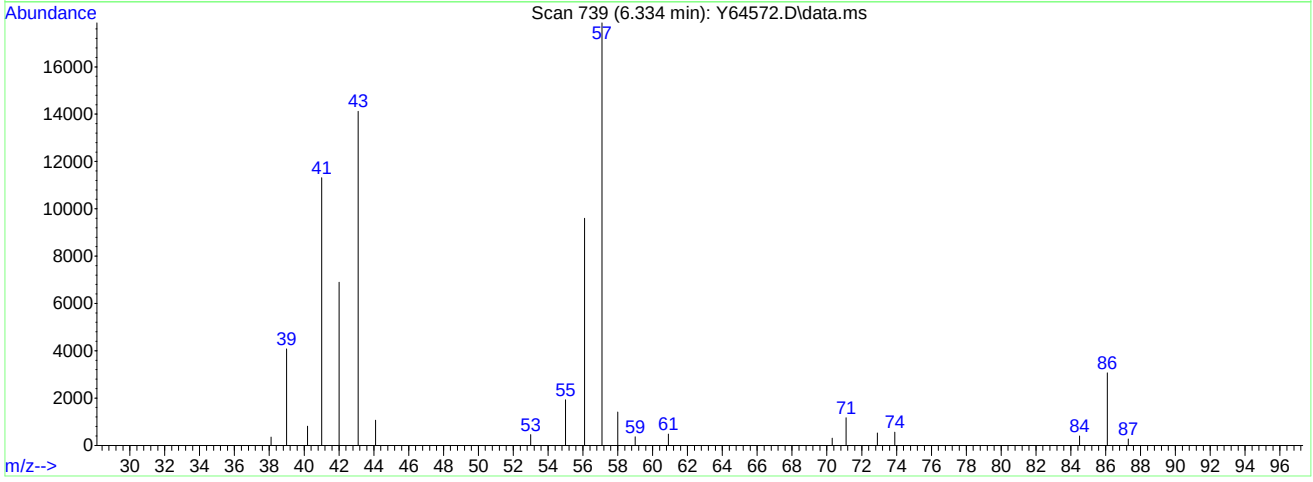
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64572.D
Acq On : 8 Sep 2022 2:26 pm
Operator : joannel
Sample : IC2677-2 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 09:36:39 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration





TIC: Y64572.D\data.ms

(22) Hexane

6.334min (+0.007) 5.61ug/L m

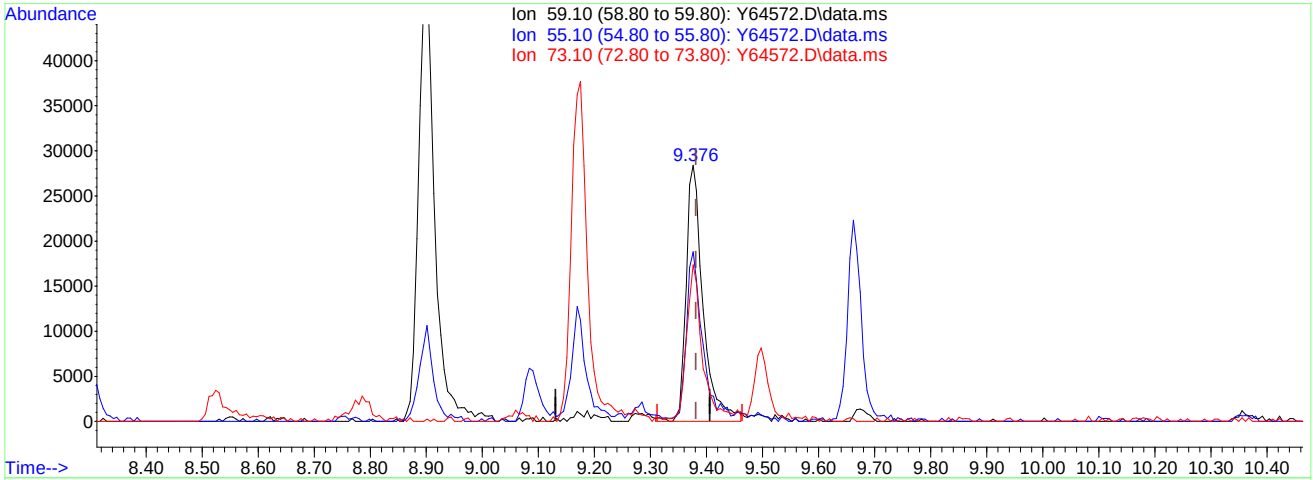
response 21567

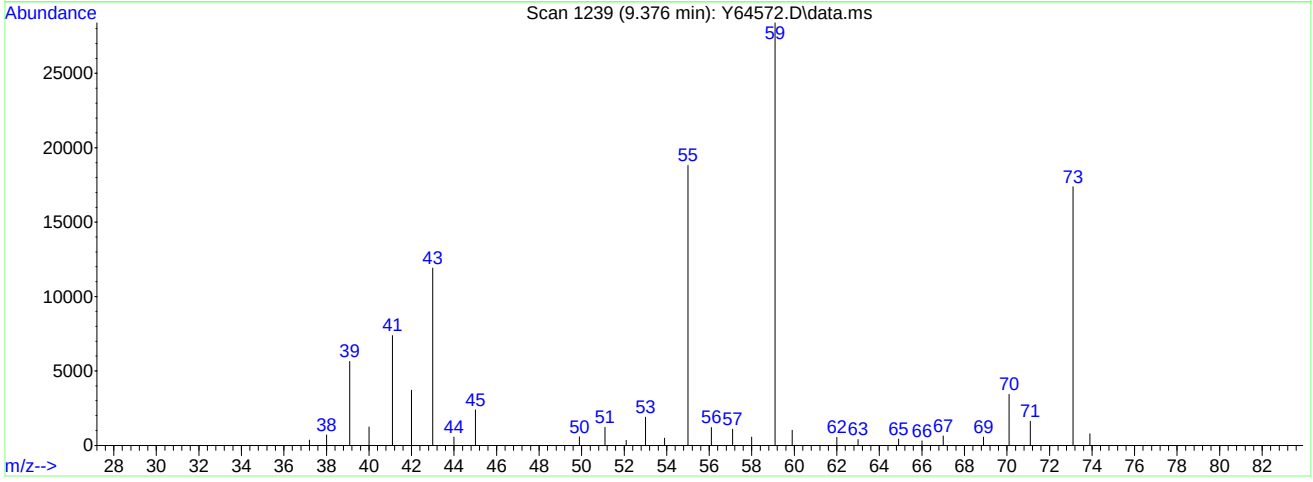
Ion	Exp%	Act%
56.10	100	100
57.20	206.50	186.06#
43.10	82.60	147.10#
41.10	140.00	117.86#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64572.D
Acq On : 8 Sep 2022 2:26 pm
Operator : joannel
Sample : IC2677-2 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 09:36:39 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration





TIC: Y64572.D\data.ms

(52) Tert Amyl Alcohol

9.376min (-0.005) 42.48ug/L m

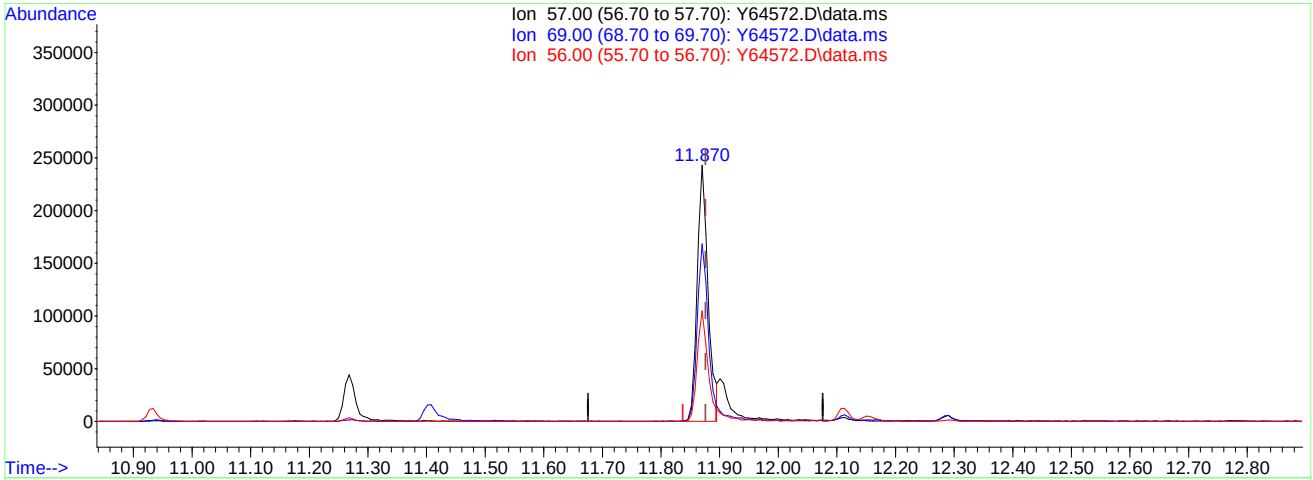
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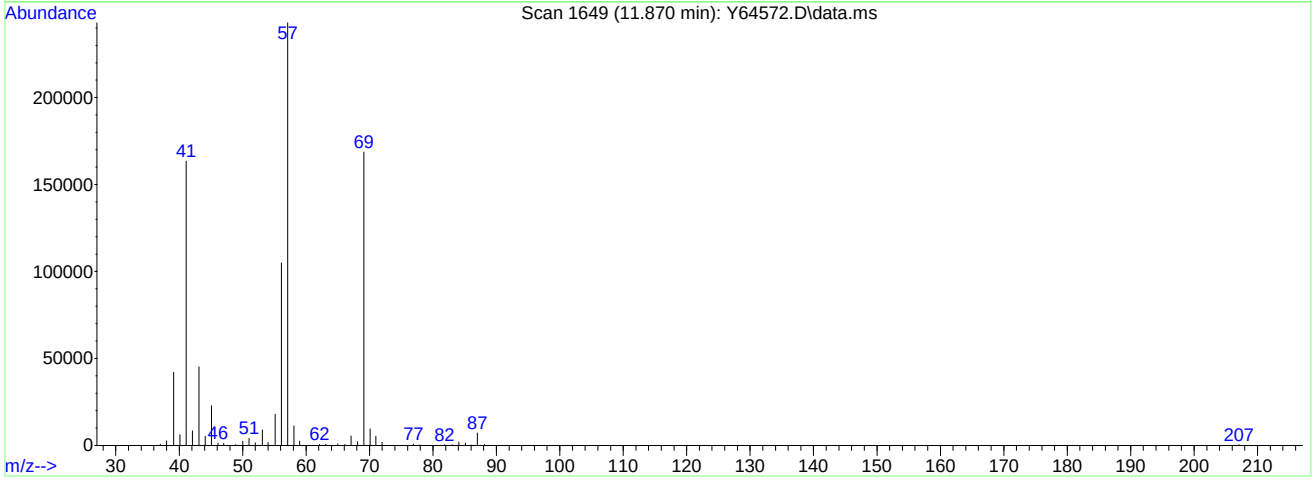
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	66.23
73.10	57.50	61.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64572.D
Acq On : 8 Sep 2022 2:26 pm
Operator : joannel
Sample : IC2677-2 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 09:36:39 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration





TIC: Y64572.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (-0.006) 217.93ug/L m

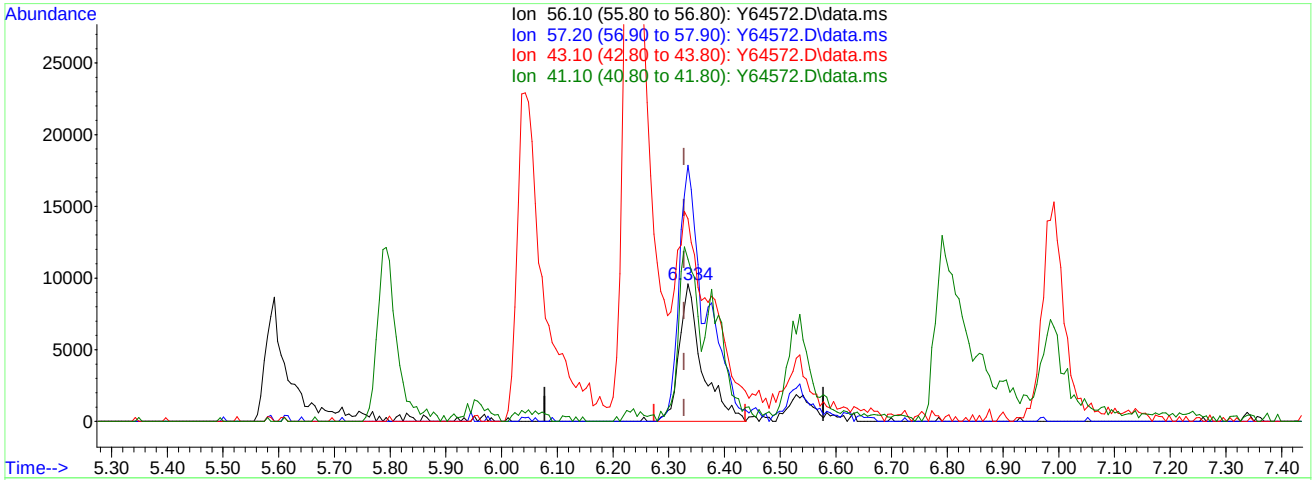
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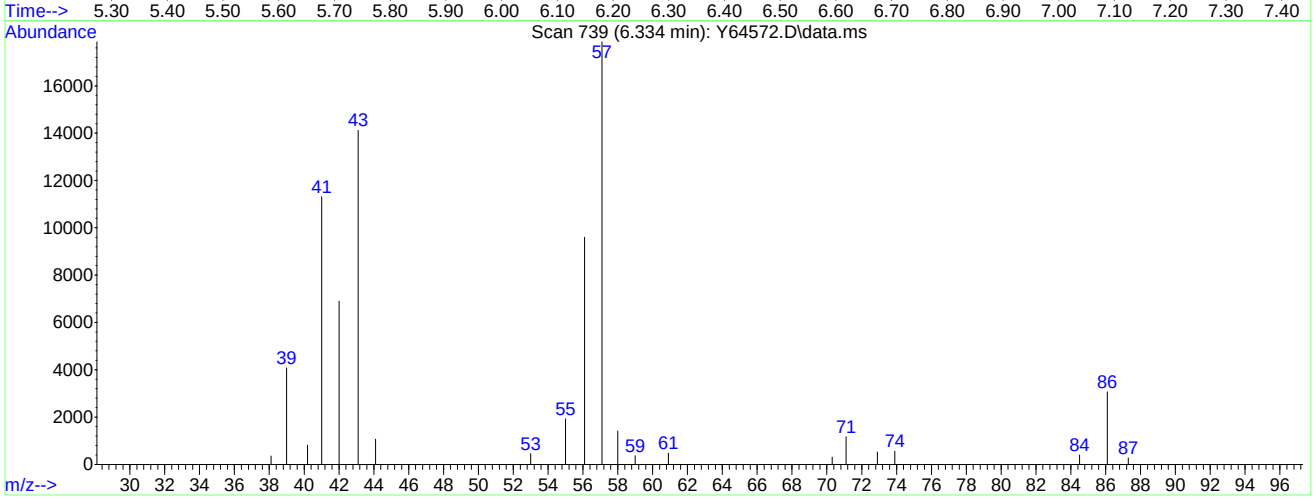
Ion	Exp%	Act%
57.00	100	100
69.00	71.90	69.37
56.00	40.00	43.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64572.D
Acq On : 8 Sep 2022 2:26 pm
Operator : joannel
Sample : IC2677-2 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 10:44:07 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration





TIC: Y64572.D\data.ms

(22) Hexane

6.334min (+0.007) 7.21ug/L

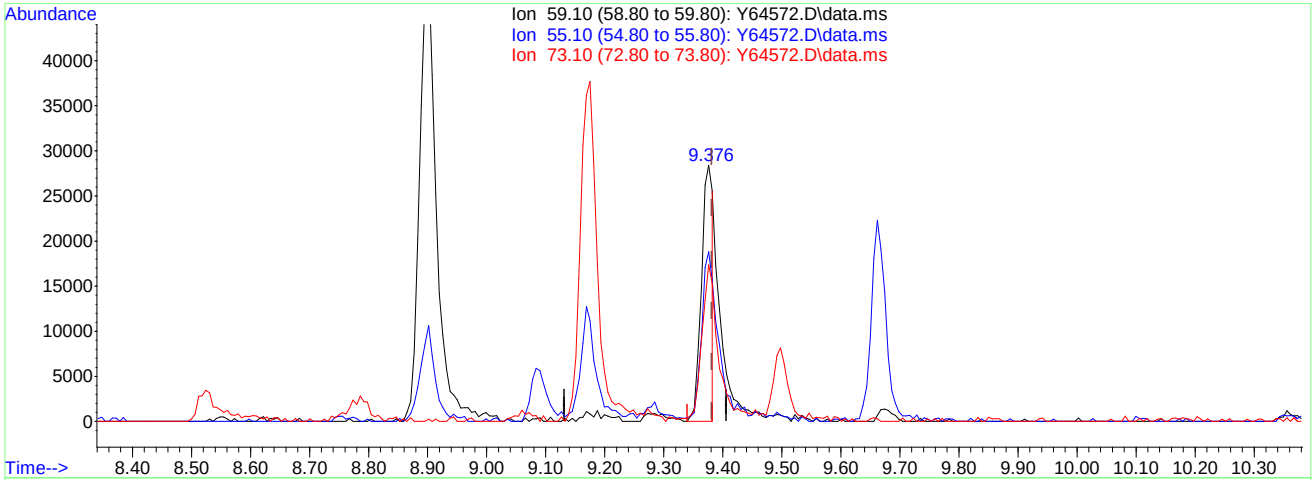
response 27322

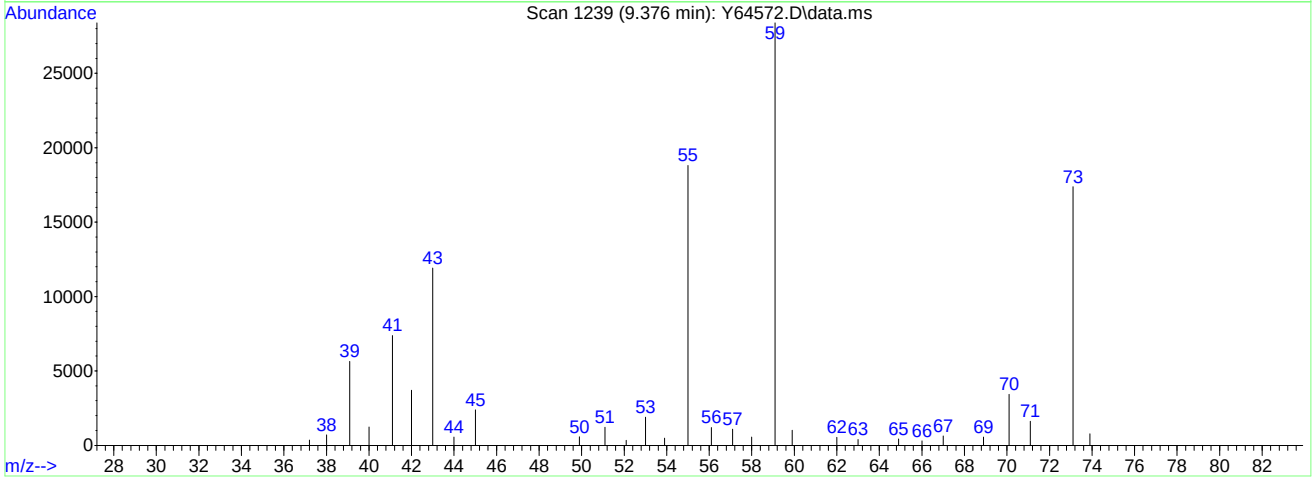
Ion	Exp%	Act%
56.10	100	100
57.20	206.50	186.06#
43.10	82.60	125.03#
41.10	140.00	112.98#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64572.D
Acq On : 8 Sep 2022 2:26 pm
Operator : joannel
Sample : IC2677-2 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 10:44:07 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration





TIC: Y64572.D\data.ms

(52) Tert Amyl Alcohol

9.376min (-0.005) 27.25ug/L

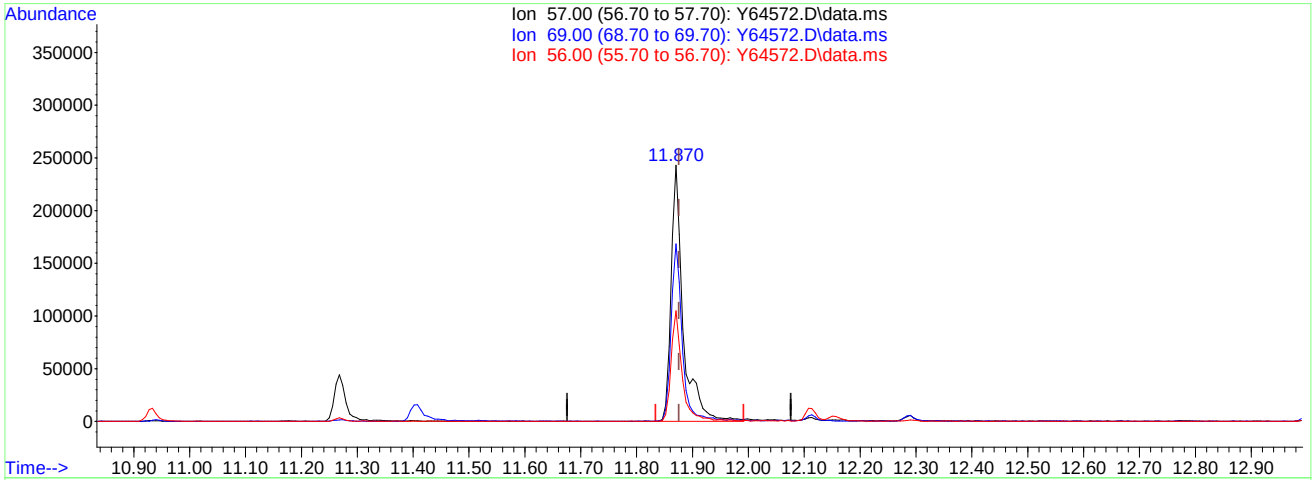
response 38146

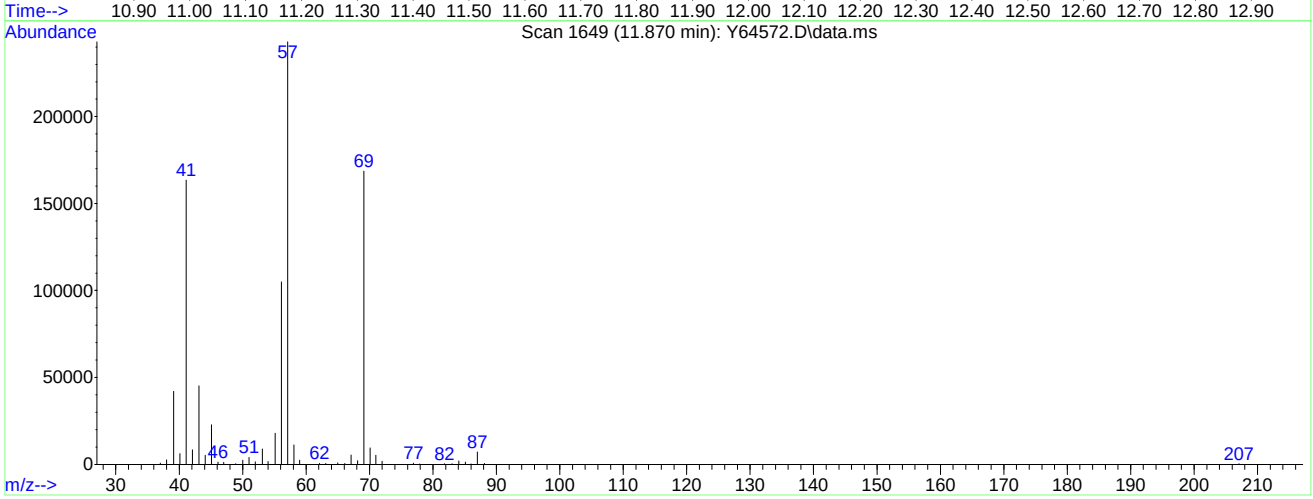
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	64.88
73.10	57.50	59.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64572.D
Acq On : 8 Sep 2022 2:26 pm
Operator : joannel
Sample : IC2677-2 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 10:44:07 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration





TIC: Y64572.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (-0.006) 255.43ug/L

response 368984

Ion	Exp%	Act%
57.00	100	100
69.00	71.90	69.24
56.00	40.00	43.15
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/12/22 12:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64573.D
Acq On : 8 Sep 2022 2:52 pm
Operator : joannel
Sample : IC2677-3 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 09:37:18 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	1053906	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	779295	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	366786	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	232733	50.70	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.40%			
49) 1,2-Dichloroethane-d4	9.211	65	300402	50.42	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.84%			
63) Toluene-d8	10.933	98	1042319	52.27	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 104.54%			
86) 4-Bromofluorobenzene	13.007	174	307995	51.59	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.18%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	39825	9.51	ug/L	97
3) Acrolein	5.585	56	48910	40.22	ug/L	92
4) Chloromethane	3.176	50	53351	9.30	ug/L	100
5) 1,3-butadiene	3.341	39	50699	9.83	ug/L	91
6) Vinyl Chloride	3.310	62	52108	8.87	ug/L	94
7) Bromomethane	3.833	94	16608	8.93	ug/L	99
8) Chloroethane	4.028	64	25194	11.29	ug/L	98
9) Trichlorofluoromethane	4.253	101	56332	8.62	ug/L	99
10) Ethyl Ether	4.746	59	47968	9.45	ug/L	89
11) Ethanol	5.001	45	31098	178.32	ug/L	90
12) 1,2-Dichlorotrifluoroe...	5.038	67	56943	9.28	ug/L	95
13) 1,1-Dichloroethene	5.050	61	64933	9.12	ug/L	95
14) Freon 113	5.105	101	45466	9.68	ug/L	94
15) Carbon Disulfide	5.105	76	111543	8.38	ug/L	98
16) Iodomethane	5.281	142	7422	6.88	ug/L	95
17) Allyl chloride	5.786	41	59746	9.58	ug/L	96
18) Methylene Chloride	5.956	49	133690	15.52	ug/L	97
19) Acetone	6.042	43	140959	50.51	ug/L	98
20) Methyl acetate	6.230	43	298943	46.11	ug/L	99
21) trans-1,2-Dichloroethene	6.218	61	64719	9.28	ug/L	93
22) Hexane	6.328	56	36135m	9.25	ug/L	
23) Methyl Tert Butyl Ether	6.382	73	158210	9.52	ug/L	89
24) Tert Butyl Alcohol	6.528	59	166385	100.38	ug/L	95
25) Acetonitrile	6.790	41	129987	102.24	ug/L	96
26) Di-isopropyl ether	6.985	45	165267	9.16	ug/L	95
27) Chloroprene	7.179	53	11947	9.94	ug/L	89
28) 1,1-Dichloroethane	7.216	63	87931	9.55	ug/L	96
29) Acrylonitrile	7.301	53	174586	59.05	ug/L	98
30) ETBE	7.575	59	161646	9.38	ug/L	99
31) Vinyl acetate	7.605	43	714500	56.59	ug/L	96
32) cis-1,2-Dichloroethene	8.031	96	53002	9.16	ug/L	95
33) 2,2-Dichloropropane	8.171	77	66992	8.79	ug/L	95
34) Bromochloromethane	8.293	128	23812	9.51	ug/L	94
35) Cyclohexane	8.299	56	91518	9.26	ug/L	97
36) Chloroform	8.378	83	84719	9.35	ug/L	94
37) Ethyl acetate	8.518	43	527009	60.41	ug/L	98
38) Tetrahydrofuran	8.591	42	35919	9.44	ug/L	91
40) Carbon Tetrachloride	8.554	117	54754	8.92	ug/L	95
41) 1,1,1-Trichloroethane	8.633	97	74303	9.36	ug/L	96
42) 2-Butanone	8.749	43	231365	49.65	ug/L	99
43) 1,1-Dichloropropene	8.779	75	67770	9.12	ug/L	97
44) tert-Butyl formate	8.895	59	189196	43.37	ug/L	94
45) Propionitrile	9.083	54	145061	94.92	ug/L	97
46) Methacrylonitrile	9.108	41	479837	90.25	ug/L	97
47) Benzene	9.059	78	222096	9.41	ug/L	98
48) TAME	9.169	73	149948	9.19	ug/L	97
50) Isobutyl Alcohol	9.278	42	84111	187.02	ug/L	92
51) 1,2-Dichloroethane	9.284	62	67548	9.46	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64573.D
Acq On : 8 Sep 2022 2:52 pm
Operator : joannel
Sample : IC2677-3 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 09:37:18 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration

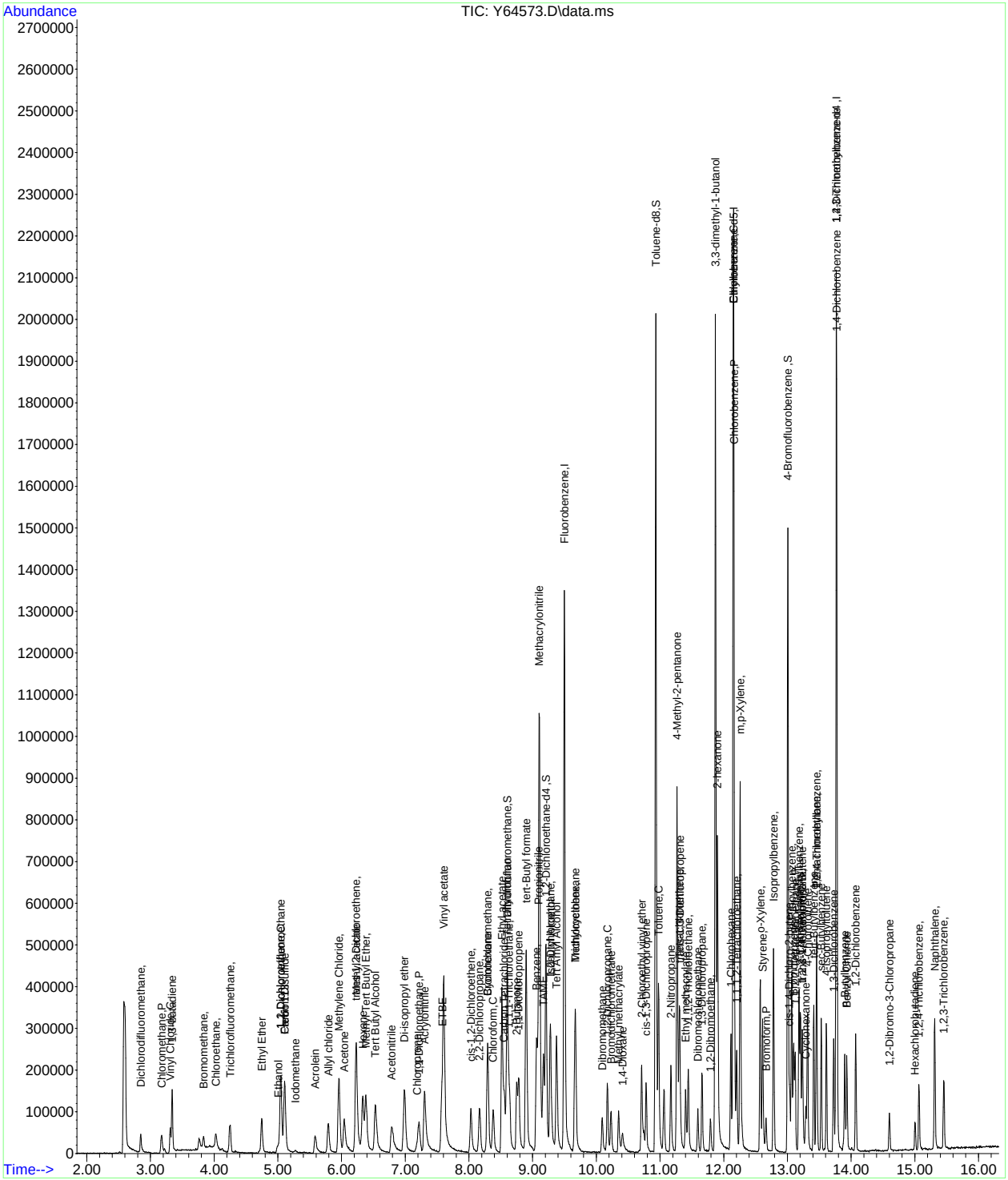
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	9.375	59	140886m	96.26	ug/L		
53) Trichloroethene	9.673	95	54585	9.80	ug/L		95
54) Methylcyclohexane	9.661	83	86493	9.23	ug/L		95
55) Dibromomethane	10.093	93	29553	9.19	ug/L		99
56) 1,2-Dichloropropane	10.172	63	53998	9.76	ug/L		97
57) Bromodichloromethane	10.227	83	55217	9.25	ug/L		94
58) Methyl methacrylate	10.349	41	49205	8.72	ug/L		98
59) 1,4-Dioxane	10.410	88	33184	200.93	ug/L		96
60) 2-Chloroethyl vinyl ether	10.714	63	80375	43.53	ug/L		97
61) cis-1,3-Dichloropropene	10.781	75	74604	9.18	ug/L		98
64) Toluene	10.975	91	232666	9.38	ug/L		98
65) 2-Nitropropane	11.170	41	98274	44.59	ug/L		96
66) 4-Methyl-2-pentanone	11.267	43	452451	46.96	ug/L		97
67) trans-1,3-Dichloropropene	11.316	75	66155	9.71	ug/L		97
68) Tetrachloroethene	11.304	166	59703	9.71	ug/L		93
69) Ethyl methacrylate	11.401	69	65787	8.98	ug/L		93
70) 1,1,2-Trichloroethane	11.444	83	41933	9.70	ug/L		97
71) Dibromochloromethane	11.596	129	40589	9.24	ug/L		95
72) 1,3-Dichloropropane	11.657	76	90760	9.84	ug/L		96
73) 1,2-Dibromoethane	11.791	107	48041	9.76	ug/L		94
74) 3,3-dimethyl-1-butanol	11.870	57	672461m	435.56	ug/L		
75) 2-hexanone	11.900	43	362536	59.11	ug/L		99
76) 1-Chlorohexane	12.113	91	67782	9.33	ug/L		97
77) Ethylbenzene	12.162	91	261521	9.34	ug/L		97
78) Chlorobenzene	12.168	112	140942	9.29	ug/L		86
79) 1,1,1,2-Tetrachloroethane	12.204	131	45138	9.40	ug/L		99
80) m,p-Xylene	12.259	91	387795	18.50	ug/L		97
81) o-Xylene	12.575	91	189872	9.56	ug/L		95
82) Styrene	12.612	104	126326	9.00	ug/L		96
83) Bromoform	12.667	173	26361	8.93	ug/L		91
84) Isopropylbenzene	12.782	105	219906	9.51	ug/L		98
87) cis-1,4-Dichloro-2-butene	13.032	53	22254	9.61	ug/L	#	86
88) n-Propylbenzene	13.068	91	241477	9.34	ug/L		98
89) Bromobenzene	13.098	156	55191	9.76	ug/L		89
90) 1,1,2,2-Tetrachloroethane	13.123	83	78076	9.61	ug/L		100
91) 1,3,5-Trimethylbenzene	13.184	105	159259	9.68	ug/L		98
92) 2-Chlorotoluene	13.202	91	166808	9.64	ug/L		97
93) trans-1,4-Dichloro-2-B...	13.238	53	19815	9.50	ug/L		92
94) 1,2,3-Trichloropropane	13.232	110	26965	9.87	ug/L		96
95) Cyclohexanone	13.287	55	33570	57.07	ug/L		94
96) 4-Chlorotoluene	13.317	91	145592	9.42	ug/L		96
97) tert-Butylbenzene	13.415	91	80332	9.42	ug/L		96
98) 1,2,4-Trimethylbenzene	13.457	105	150864	9.35	ug/L		97
99) Pentachloroethane	13.463	167	25351	10.11	ug/L		89
100) sec-Butylbenzene	13.530	105	158576	9.56	ug/L		96
101) 4-Isopropyltoluene	13.609	119	126586	9.33	ug/L		98
102) 1,3-Dichlorobenzene	13.725	146	86928	9.44	ug/L		97
103) 1,2,3-Trimethylbenzene	13.762	105	77492	9.55	ug/L		95
104) 1,4-Dichlorobenzene	13.780	146	92782	9.24	ug/L		92
105) n-Butylbenzene	13.902	92	51600	9.04	ug/L		94
106) Benzyl Chloride	13.932	126	23685	8.33	ug/L		96
107) 1,2-Dichlorobenzene	14.072	146	86046	9.24	ug/L		98
108) 1,2-Dibromo-3-Chloropr...	14.601	75	15833	8.63	ug/L		92
109) Hexachlorobutadiene	15.009	225	9064	8.35	ug/L		88
110) 1,2,4-Trichlorobenzene	15.063	180	40883	9.20	ug/L		95
111) Naphthalene	15.313	128	212822	9.50	ug/L		97
112) 1,2,3-Trichlorobenzene	15.459	180	41981	9.57	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64573.D
Acq On : 8 Sep 2022 2:52 pm
Operator : joannel
Sample : IC2677-3 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 09:37:18 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration



Manual Integration Approval Summary

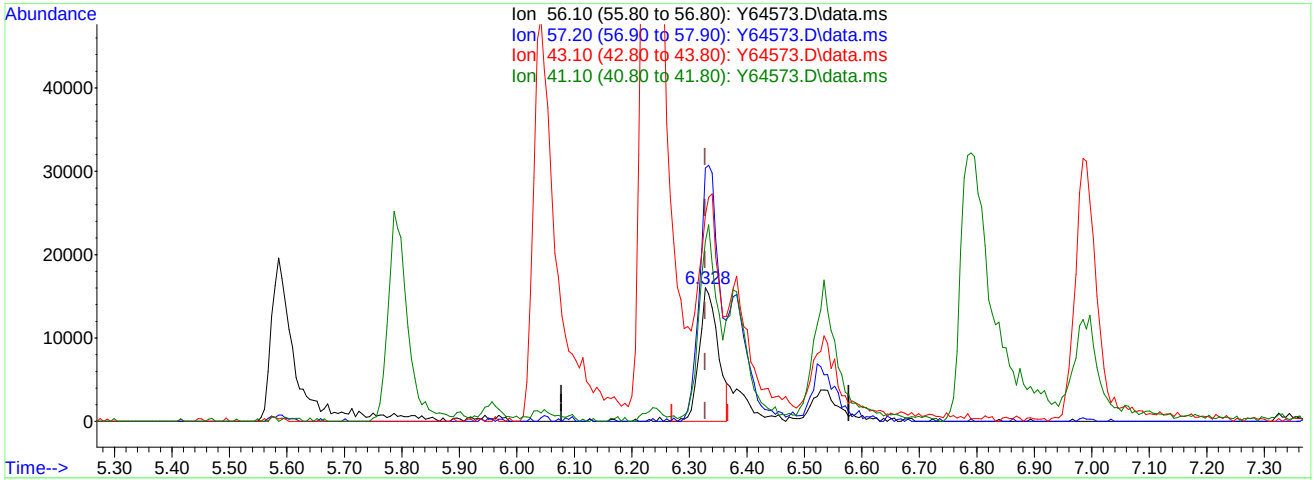
Sample Number: VY2677-IC2677
Lab FileID: Y64573.D
Injection Time: 09/08/22 14:52
Method: SW846 8260D
Analyst approved: 09/12/22 09:56 Jo-Ann Lugo De Jesus
Supervisor approved: 09/12/22 12:51 Karen Watson

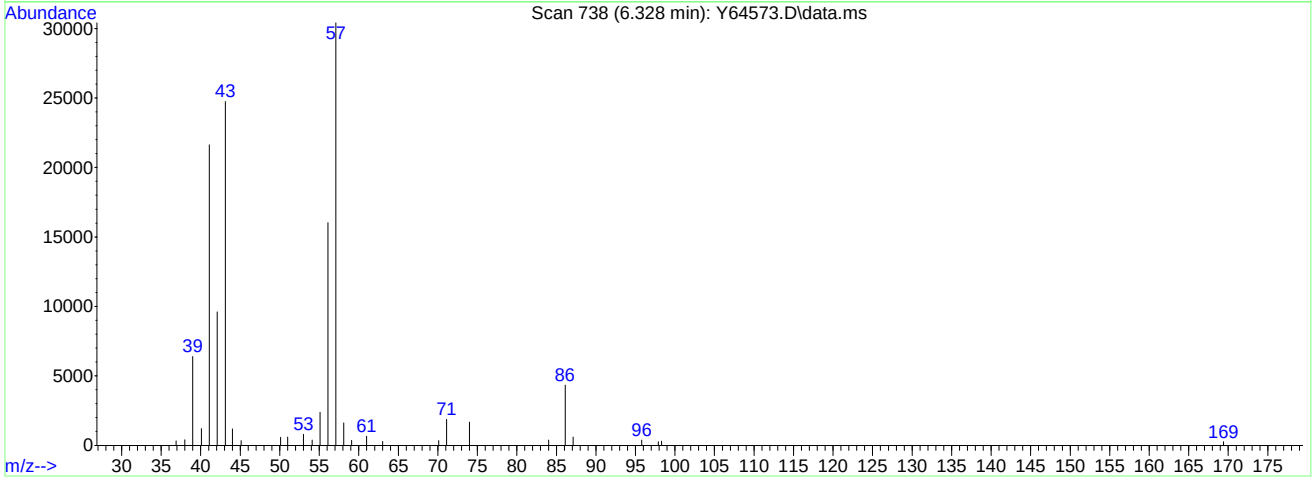
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64573.D
Acq On : 8 Sep 2022 2:52 pm
Operator : joannel
Sample : IC2677-3 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 09:37:18 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration





TIC: Y64573.D\data.ms

(22) Hexane

6.328min (+0.001) 9.25ug/L m

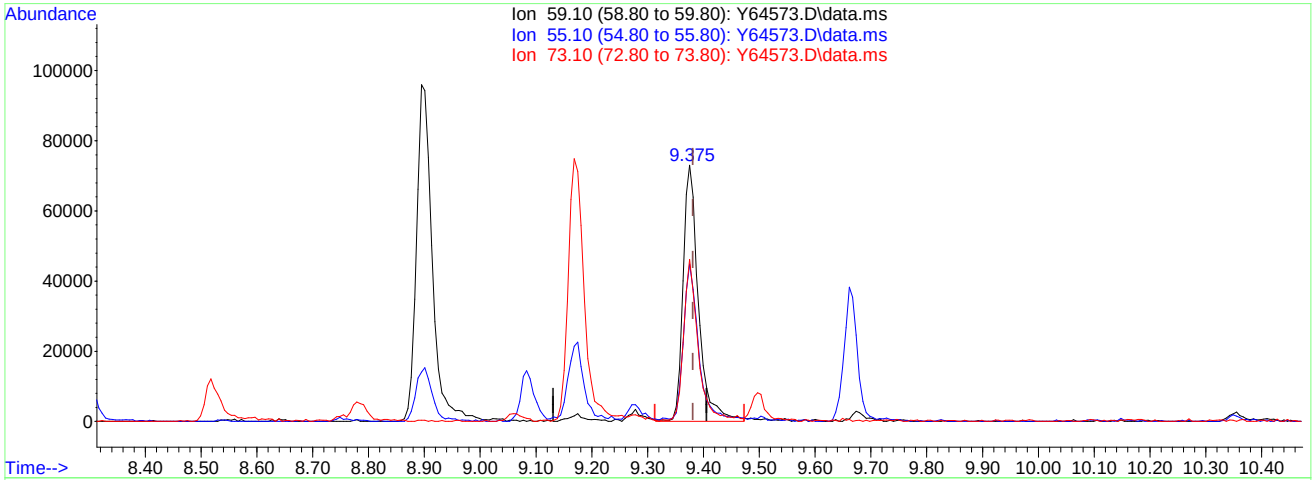
response 36135

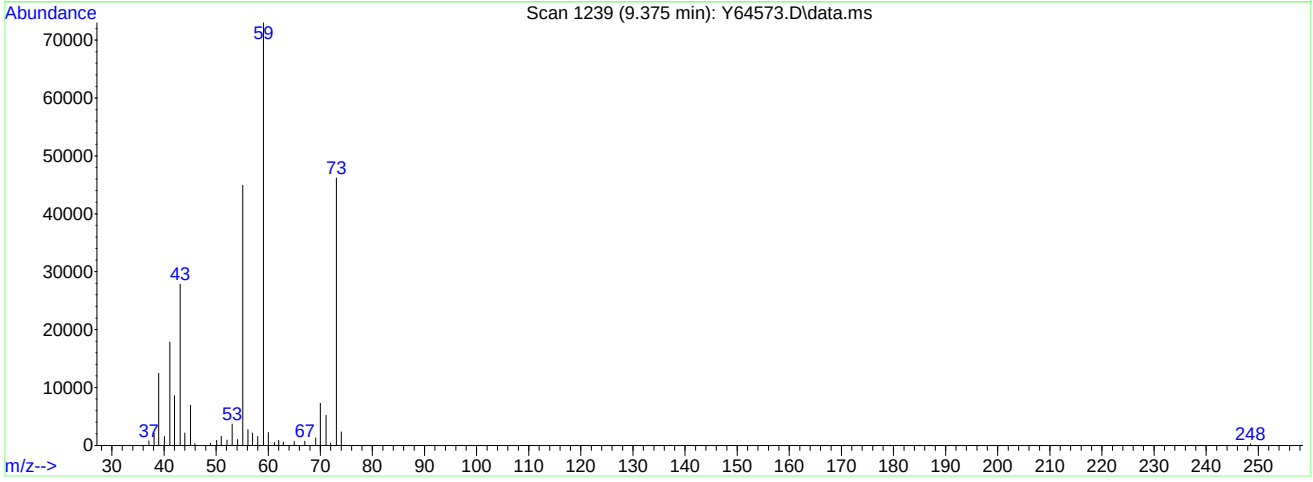
Ion	Exp%	Act%
56.10	100	100
57.20	206.50	189.66
43.10	82.60	154.34#
41.10	140.00	134.89

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64573.D
Acq On : 8 Sep 2022 2:52 pm
Operator : joannel
Sample : IC2677-3 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 09:37:18 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration





TIC: Y64573.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.006) 96.26ug/L m

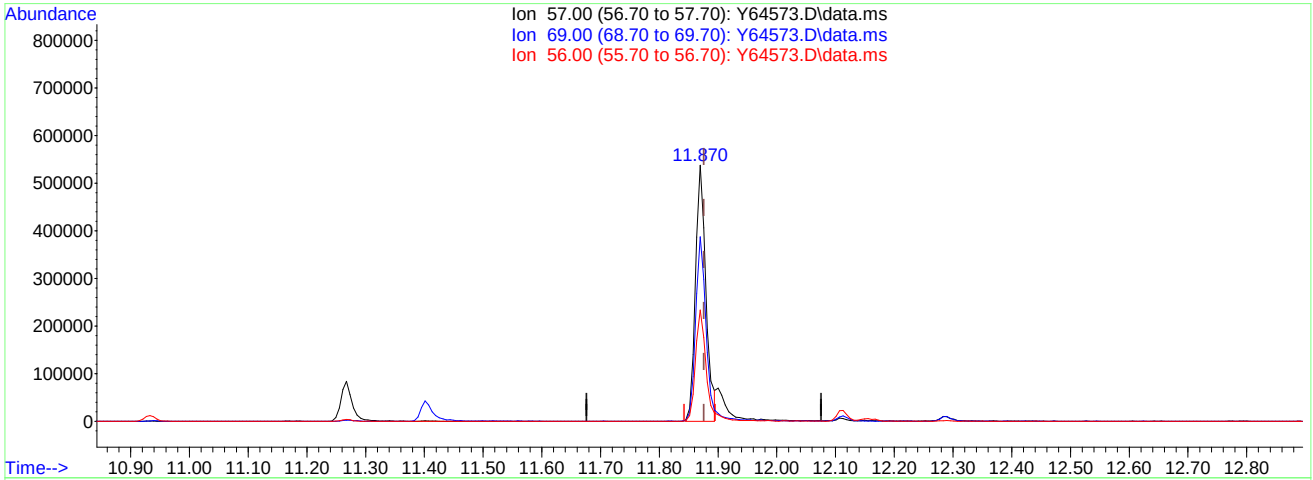
response 140886

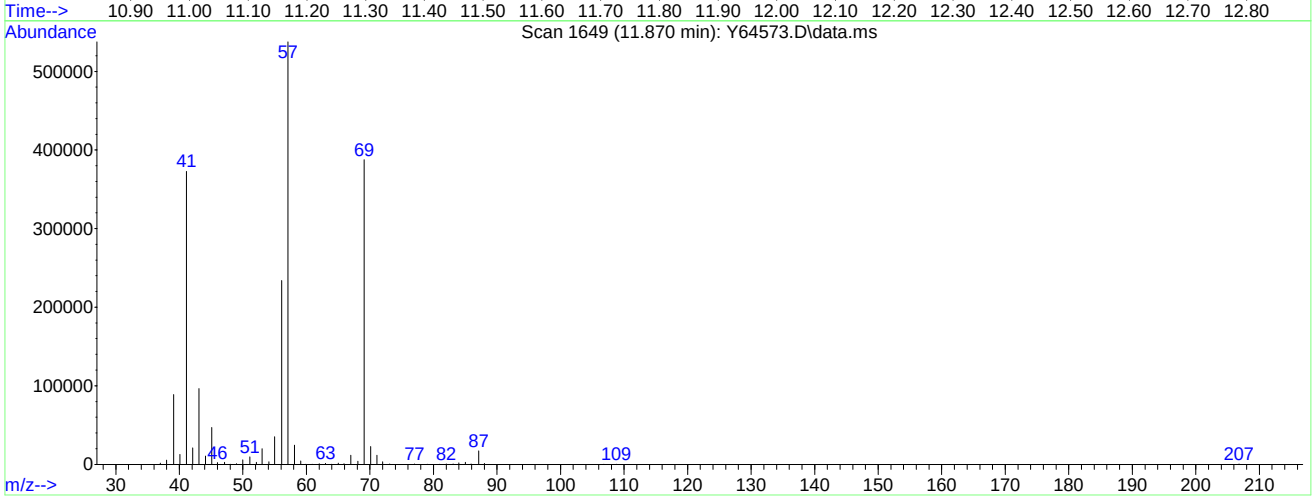
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	61.50
73.10	57.50	63.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64573.D
Acq On : 8 Sep 2022 2:52 pm
Operator : joannel
Sample : IC2677-3 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 09:37:18 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration





TIC: Y64573.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (-0.006) 435.56ug/L m

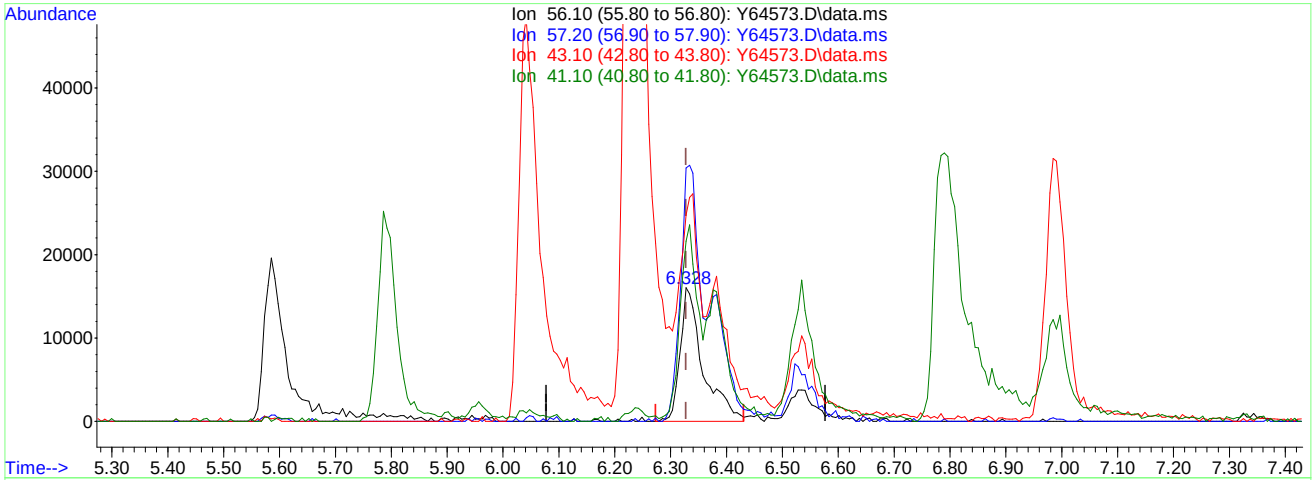
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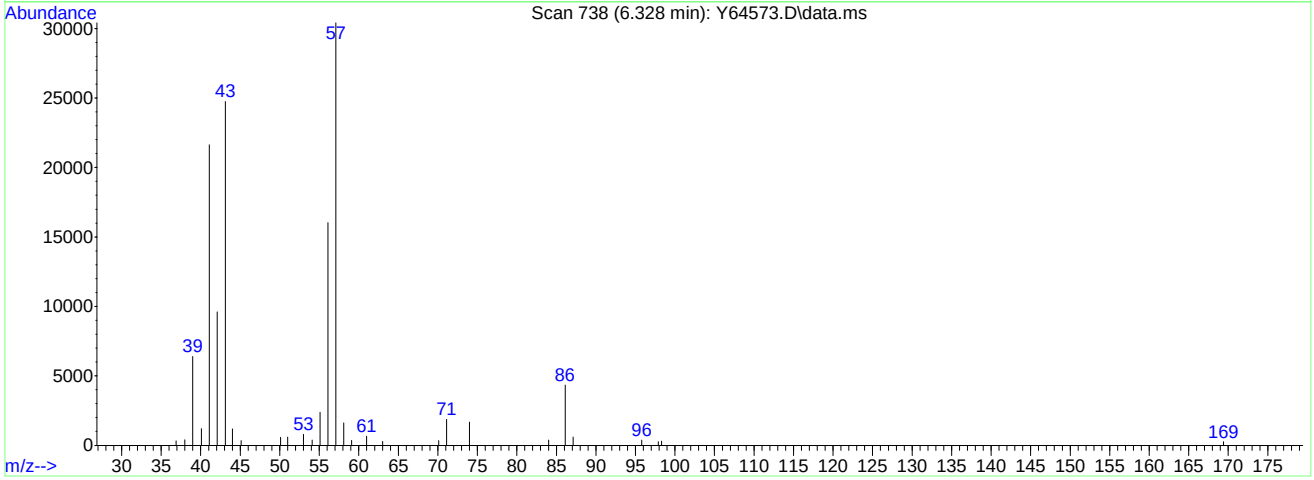
Ion	Exp%	Act%
57.00	100	100
69.00	71.90	72.08
56.00	40.00	43.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64573.D
Acq On : 8 Sep 2022 2:52 pm
Operator : joannel
Sample : IC2677-3 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 10:44:08 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration





TIC: Y64573.D\data.ms

(22) Hexane

6.328min (+0.001) 11.82ug/L

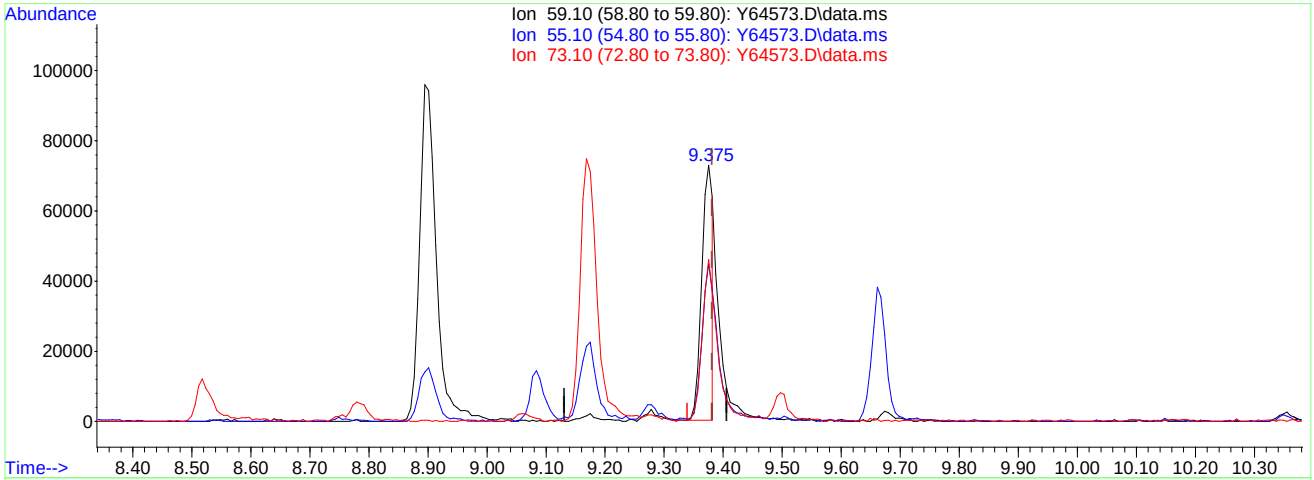
response 45583

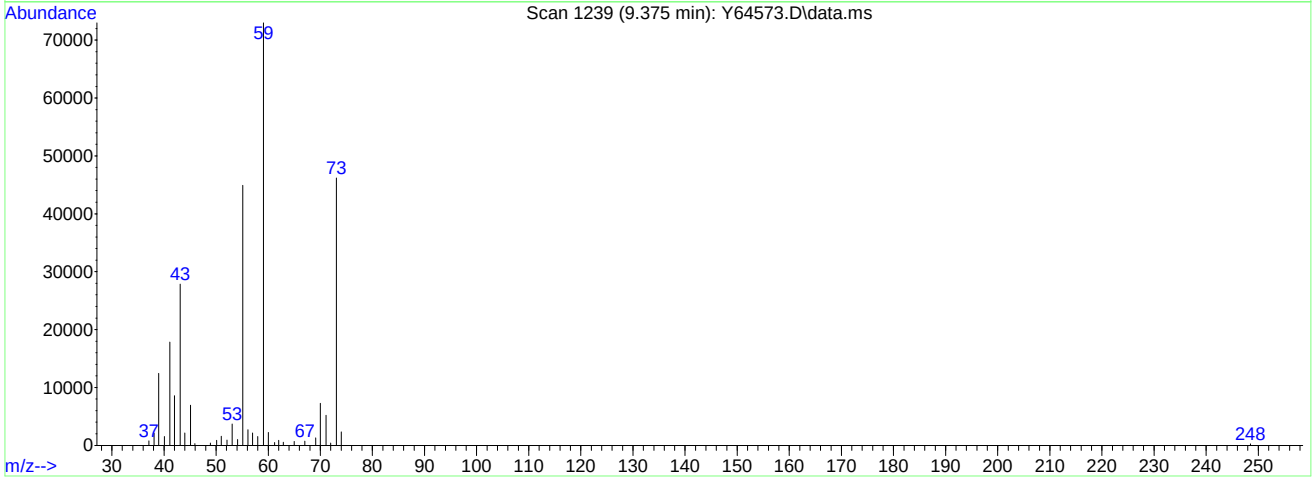
Ion	Exp%	Act%
56.10	100	100
57.20	206.50	187.12
43.10	82.60	129.95#
41.10	140.00	130.64

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64573.D
Acq On : 8 Sep 2022 2:52 pm
Operator : joannel
Sample : IC2677-3 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 10:44:08 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration





TIC: Y64573.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.006) 65.42ug/L

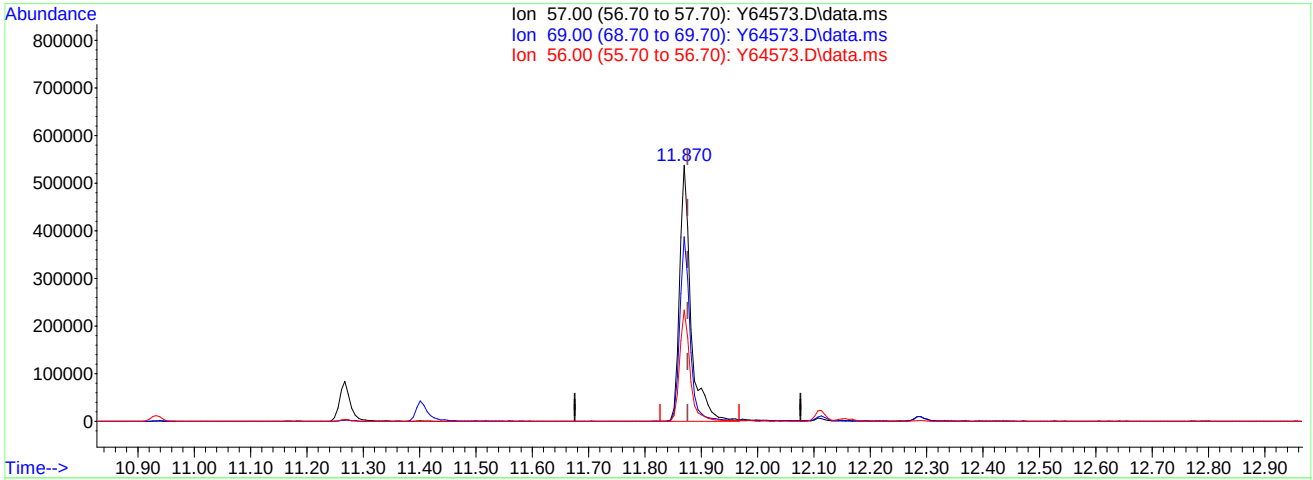
response 94662

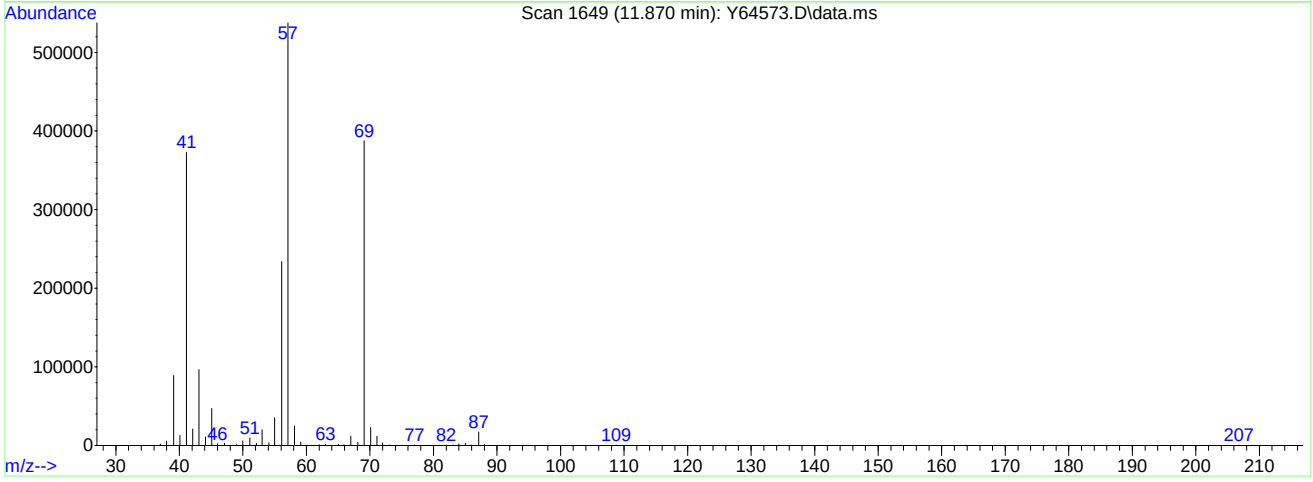
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	60.92
73.10	57.50	63.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64573.D
Acq On : 8 Sep 2022 2:52 pm
Operator : joannel
Sample : IC2677-3 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 10:44:08 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration





TIC: Y64573.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (-0.006) 486.14ug/L

response 759961

Ion	Exp%	Act%
57.00	100	100
69.00	71.90	72.02
56.00	40.00	43.52
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/12/22 12:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64574.D
Acq On : 8 Sep 2022 3:16 pm
Operator : joannel
Sample : IC2677-4 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 09:38:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.499	96	1109949	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.151	117	849051	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.770	152	406153	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.605	113	243534	50.37	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.74%			
49) 1,2-Dichloroethane-d4	9.207	65	310929	49.55	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.10%			
63) Toluene-d8	10.935	98	1097801	50.53	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.06%			
86) 4-Bromofluorobenzene	13.009	174	326938	49.45	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.844	85	105438	23.58	ug/L	95
3) Acrolein	5.581	56	177369	131.97	ug/L	97
4) Chloromethane	3.172	50	144032	23.91	ug/L	99
5) 1,3-butadiene	3.343	39	122915	23.08	ug/L	95
6) Vinyl Chloride	3.306	62	147910	23.90	ug/L	100
7) Bromomethane	3.829	94	44316	22.64	ug/L	93
8) Chloroethane	4.024	64	57184	25.26	ug/L	96
9) Trichlorofluoromethane	4.243	101	167023	24.26	ug/L	97
10) Ethyl Ether	4.748	59	131055	24.52	ug/L	93
11) Ethanol	5.003	45	85663	466.39	ug/L	98
12) 1,2-Dichlorotrifluoroe...	5.040	67	150410	23.28	ug/L	97
13) 1,1-Dichloroethene	5.046	61	177501	23.68	ug/L	97
14) Freon 113	5.107	101	122492	24.67	ug/L	96
15) Carbon Disulfide	5.101	76	335773	23.97	ug/L	97
16) Iodomethane	5.271	142	33769	23.59	ug/L	92
17) Allyl chloride	5.788	41	162394	24.73	ug/L	97
18) Methylene Chloride	5.958	49	256257	28.24	ug/L	97
19) Acetone	6.038	43	371719	126.48	ug/L	96
20) Methyl acetate	6.232	43	871621	127.66	ug/L	99
21) trans-1,2-Dichloroethene	6.220	61	179533	24.44	ug/L	98
22) Hexane	6.336	56	100012	24.38	ug/L	93
23) Methyl Tert Butyl Ether	6.378	73	431284	24.65	ug/L	94
24) Tert Butyl Alcohol	6.536	59	445113	245.41	ug/L	93
25) Acetonitrile	6.786	41	325084	239.06	ug/L	99
26) Di-isopropyl ether	6.987	45	465528	24.49	ug/L	96
27) Chloroprene	7.175	53	29974	23.67	ug/L	98
28) 1,1-Dichloroethane	7.212	63	233911	24.11	ug/L	98
29) Acrylonitrile	7.303	53	384668	121.04	ug/L	98
30) ETBE	7.577	59	449866	24.78	ug/L	99
31) Vinyl acetate	7.601	43	1702188	124.22	ug/L	99
32) cis-1,2-Dichloroethene	8.033	96	145732	23.92	ug/L	97
33) 2,2-Dichloropropane	8.167	77	194958	24.28	ug/L	95
34) Bromochloromethane	8.288	128	64571	24.50	ug/L	94
35) Cyclohexane	8.294	56	241656	23.21	ug/L	95
36) Chloroform	8.380	83	233744	24.50	ug/L	96
37) Ethyl acetate	8.513	43	1180371	125.56	ug/L	99
38) Tetrahydrofuran	8.586	42	100055	24.83	ug/L	98
40) Carbon Tetrachloride	8.556	117	153077	23.68	ug/L	95
41) 1,1,1-Trichloroethane	8.635	97	199740	23.89	ug/L	98
42) 2-Butanone	8.745	43	642092	127.04	ug/L	98
43) 1,1-Dichloropropene	8.781	75	188792	24.12	ug/L	96
44) tert-Butyl formate	8.897	59	620164	128.85	ug/L	97
45) Propionitrile	9.079	54	395732	245.88	ug/L	96
46) Methacrylonitrile	9.104	41	1306499	233.32	ug/L	99
47) Benzene	9.061	78	597927	24.05	ug/L	98
48) TAME	9.171	73	413468	24.06	ug/L	98
50) Isobutyl Alcohol	9.274	42	234129	471.43	ug/L	96
51) 1,2-Dichloroethane	9.280	62	182663	24.28	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64574.D
Acq On : 8 Sep 2022 3:16 pm
Operator : joannel
Sample : IC2677-4 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 09:38:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration

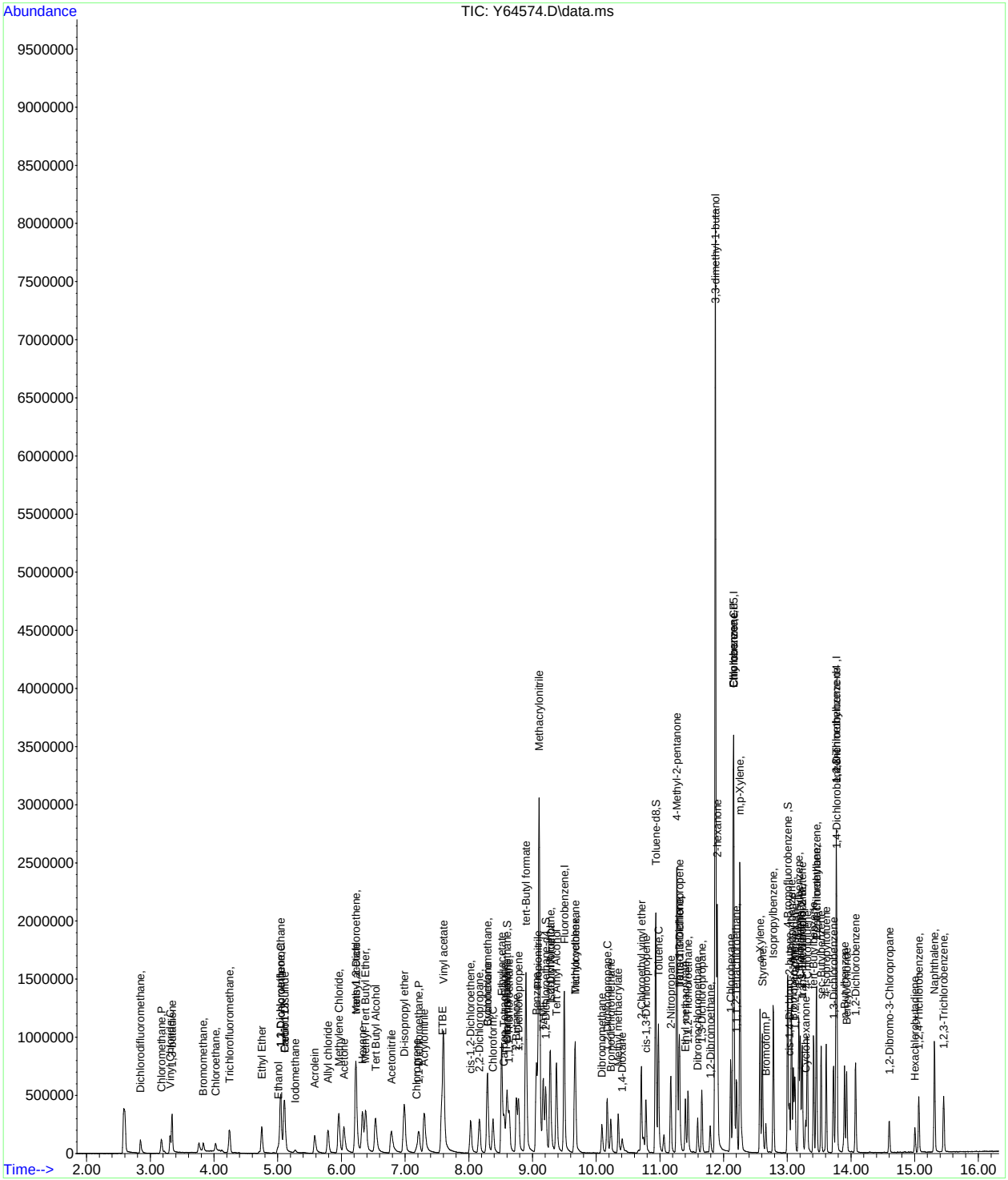
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	9.377	59	394363m	241.48	ug/L		
53) Trichloroethene	9.675	95	146759	24.92	ug/L		96
54) Methylcyclohexane	9.663	83	225792	22.87	ug/L		96
55) Dibromomethane	10.089	93	81465	24.05	ug/L		95
56) 1,2-Dichloropropane	10.174	63	148223	25.44	ug/L		97
57) Bromodichloromethane	10.229	83	155956	24.81	ug/L		96
58) Methyl methacrylate	10.345	41	152838	24.71	ug/L		99
59) 1,4-Dioxane	10.412	88	87373	500.56	ug/L		94
60) 2-Chloroethyl vinyl ether	10.710	63	265904	131.84	ug/L		96
61) cis-1,3-Dichloropropene	10.783	75	213235	24.91	ug/L		96
64) Toluene	10.977	91	638580	23.63	ug/L		99
65) 2-Nitropropane	11.172	41	306672	127.72	ug/L		96
66) 4-Methyl-2-pentanone	11.263	43	1270317	121.02	ug/L		99
67) trans-1,3-Dichloropropene	11.312	75	186587	25.13	ug/L		93
68) Tetrachloroethene	11.300	166	162654	24.29	ug/L		97
69) Ethyl methacrylate	11.403	69	199868	24.51	ug/L		98
70) 1,1,2-Trichloroethane	11.440	83	112174	23.82	ug/L		99
71) Dibromochloromethane	11.592	129	122853	25.68	ug/L		99
72) 1,3-Dichloropropane	11.659	76	244613	24.34	ug/L		100
73) 1,2-Dibromoethane	11.792	107	132693	24.75	ug/L		95
74) 3,3-dimethyl-1-butanol	11.872	57	2612991m	1281.67	ug/L		
75) 2-hexanone	11.902	43	1017889	122.77	ug/L		98
76) 1-Chlorohexane	12.109	91	193796	24.48	ug/L		96
77) Ethylbenzene	12.157	91	723284	23.70	ug/L		99
78) Chlorobenzene	12.164	112	394406	23.87	ug/L		93
79) 1,1,1,2-Tetrachloroethane	12.206	131	128669	24.61	ug/L		96
80) m,p-Xylene	12.255	91	1095897	47.99	ug/L		99
81) o-Xylene	12.571	91	523041	24.18	ug/L		97
82) Styrene	12.608	104	385623	25.21	ug/L		96
83) Bromoform	12.662	173	83772	24.74	ug/L		97
84) Isopropylbenzene	12.778	105	632231	25.09	ug/L		99
87) cis-1,4-Dichloro-2-butene	13.034	53	63201	24.64	ug/L		89
88) n-Propylbenzene	13.064	91	714794	24.97	ug/L		99
89) Bromobenzene	13.094	156	152839	24.40	ug/L		93
90) 1,1,2,2-Tetrachloroethane	13.119	83	214573	23.86	ug/L		98
91) 1,3,5-Trimethylbenzene	13.180	105	451763	24.79	ug/L		97
92) 2-Chlorotoluene	13.204	91	463931	24.20	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.240	53	55777	24.15	ug/L	#	88
94) 1,2,3-Trichloropropane	13.234	110	73902	24.44	ug/L		97
95) Cyclohexanone	13.289	55	85723	131.60	ug/L		94
96) 4-Chlorotoluene	13.313	91	416363	24.32	ug/L		97
97) tert-Butylbenzene	13.411	91	231382	24.51	ug/L		98
98) 1,2,4-Trimethylbenzene	13.453	105	434621	24.31	ug/L		96
99) Pentachloroethane	13.459	167	66791	24.07	ug/L	#	78
100) sec-Butylbenzene	13.532	105	460870	25.09	ug/L		99
101) 4-Isopropyltoluene	13.611	119	382163	25.43	ug/L		98
102) 1,3-Dichlorobenzene	13.727	146	243986	23.93	ug/L		98
103) 1,2,3-Trimethylbenzene	13.764	105	222167	24.65	ug/L		97
104) 1,4-Dichlorobenzene	13.782	146	262697	23.62	ug/L		99
105) n-Butylbenzene	13.897	92	161594	25.57	ug/L		99
106) Benzyl Chloride	13.934	126	79225	24.18	ug/L		95
107) 1,2-Dichlorobenzene	14.074	146	244764	23.75	ug/L		98
108) 1,2-Dibromo-3-Chloropr...	14.603	75	48194	23.73	ug/L		95
109) Hexachlorobutadiene	15.005	225	30321	25.23	ug/L		90
110) 1,2,4-Trichlorobenzene	15.065	180	121530	24.70	ug/L		96
111) Naphthalene	15.309	128	612612	24.68	ug/L		97
112) 1,2,3-Trichlorobenzene	15.455	180	119108	24.52	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64574.D
Acq On : 8 Sep 2022 3:16 pm
Operator : joannel
Sample : IC2677-4 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 09:38:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration



Manual Integration Approval Summary

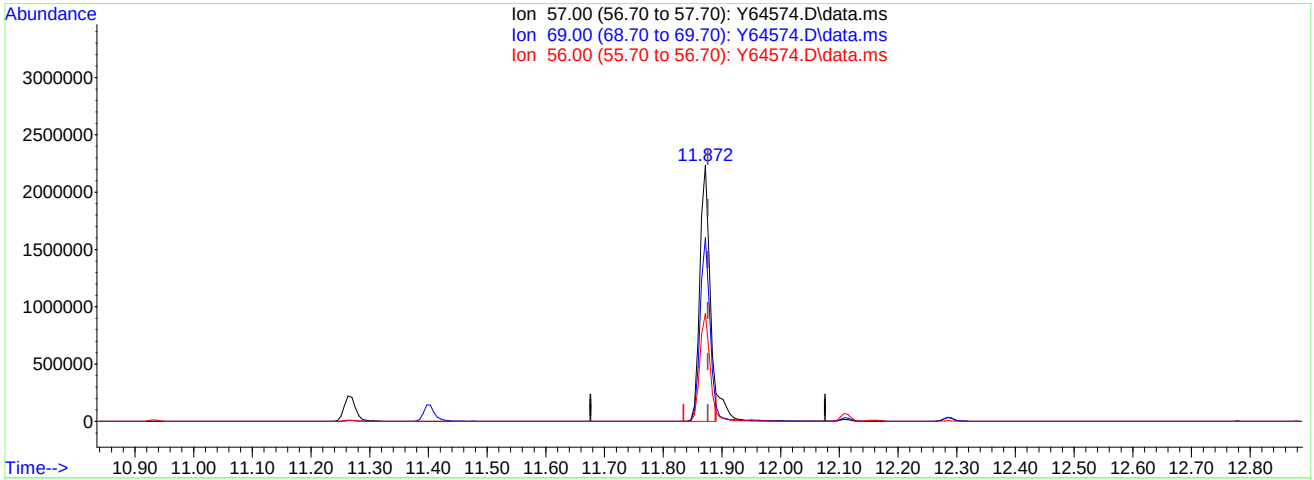
Sample Number: VY2677-IC2677
Lab FileID: Y64574.D
Injection Time: 09/08/22 15:16
Method: SW846 8260D
Analyst approved: 09/12/22 09:56 Jo-Ann Lugo De Jesus
Supervisor approved: 09/12/22 12:51 Karen Watson

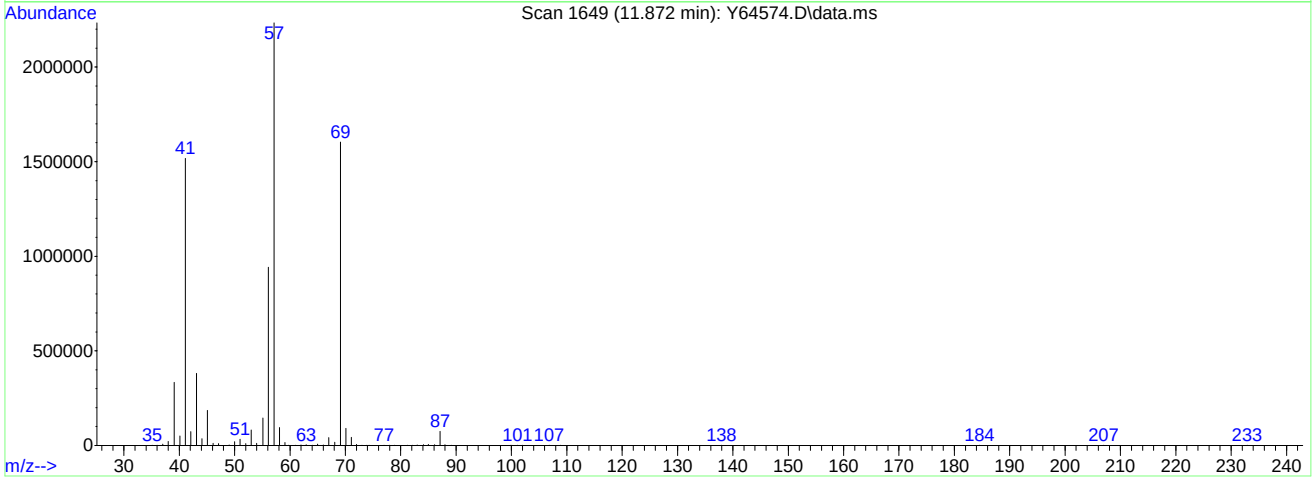
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64574.D
Acq On : 8 Sep 2022 3:16 pm
Operator : joannel
Sample : IC2677-4 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 09:38:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration





TIC: Y64574.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.872min (-0.004) 1281.67ug/L m

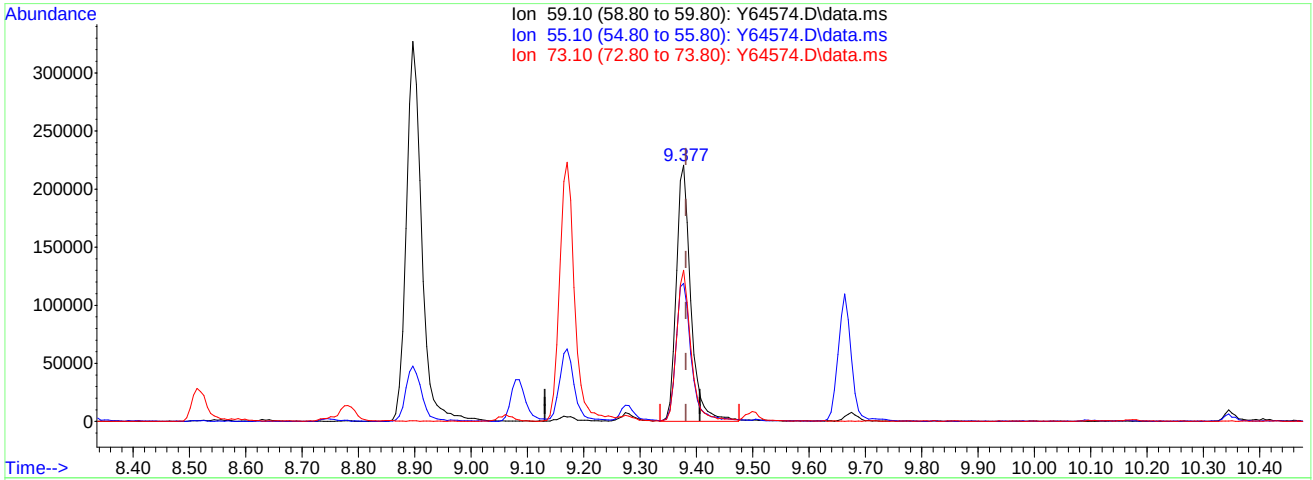
response 2612991

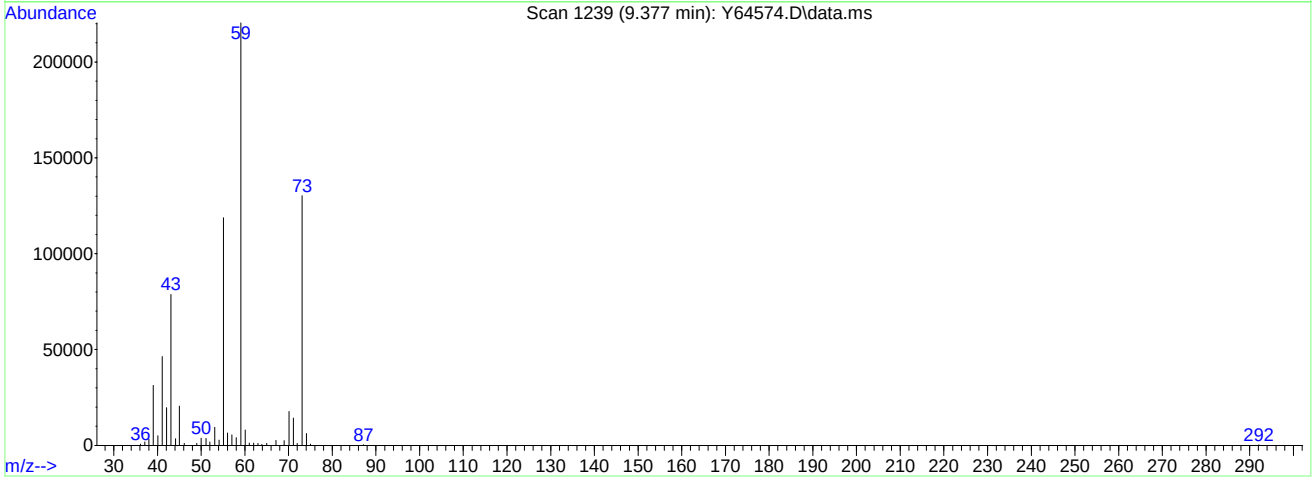
Ion	Exp%	Act%
57.00	100	100
69.00	71.90	71.77
56.00	40.00	42.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64574.D
Acq On : 8 Sep 2022 3:16 pm
Operator : joannel
Sample : IC2677-4 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 09:38:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration





TIC: Y64574.D\data.ms

(52) Tert Amyl Alcohol

9.377min (-0.004) 241.48ug/L m

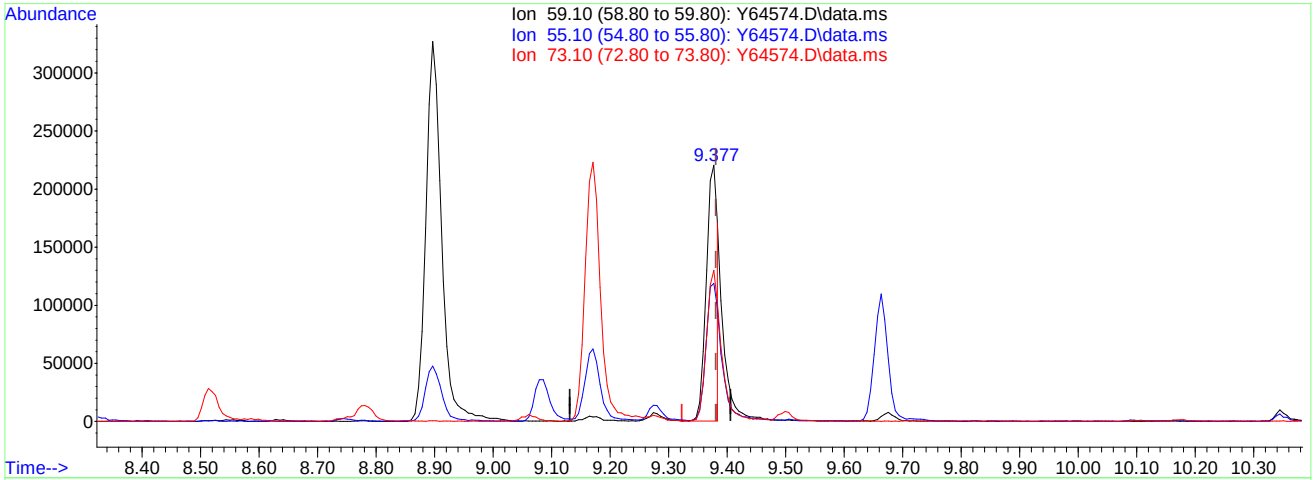
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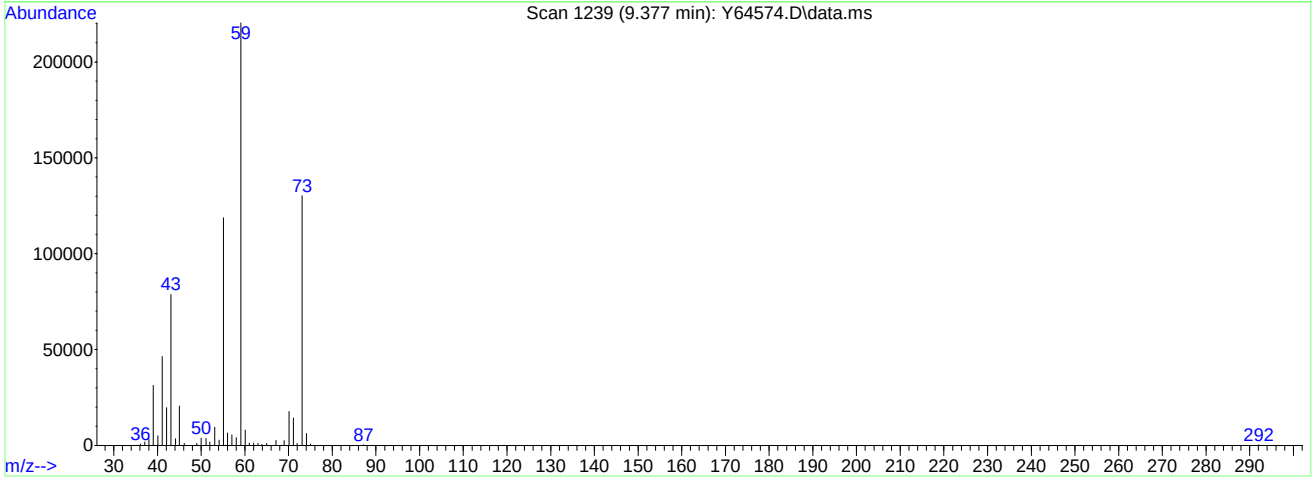
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	53.89
73.10	57.50	59.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64574.D
Acq On : 8 Sep 2022 3:16 pm
Operator : joannel
Sample : IC2677-4 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 10:44:09 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration





TIC: Y64574.D\data.ms

(52) Tert Amyl Alcohol

9.377min (-0.004) 184.28ug/L

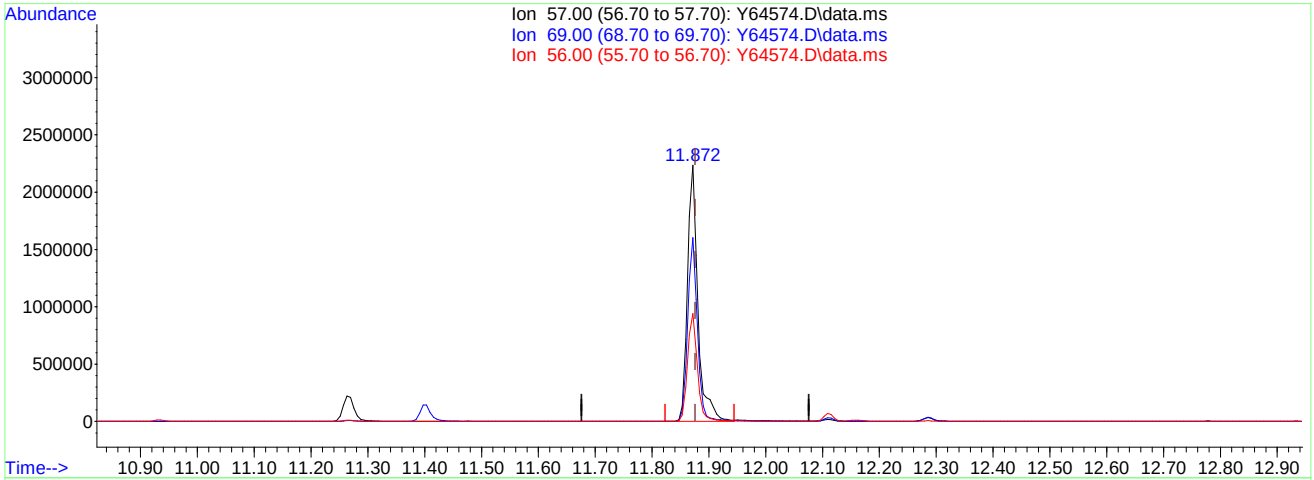
response 294673

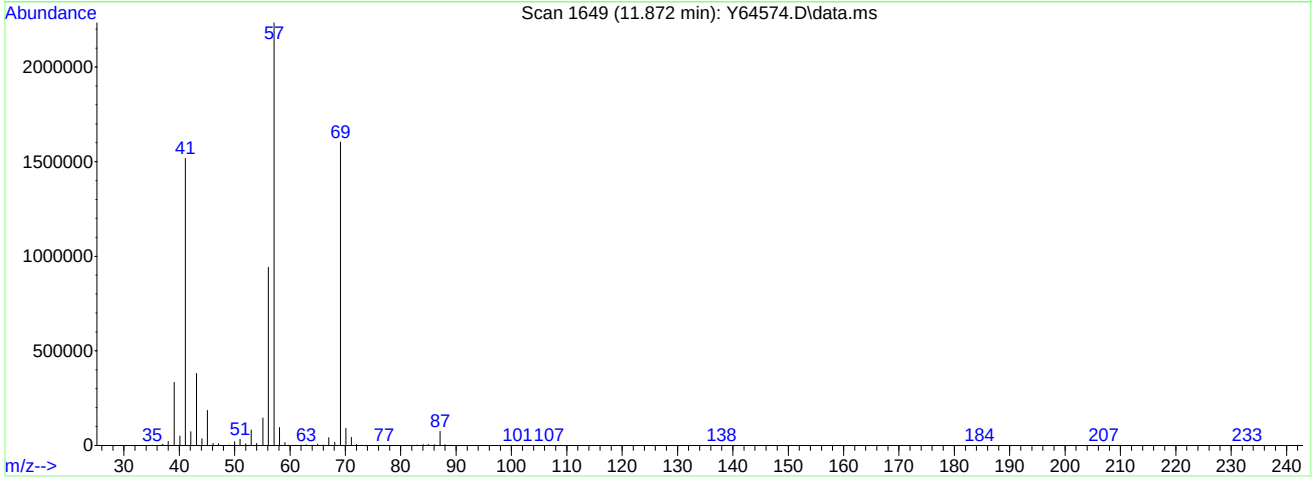
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	53.46
73.10	57.50	59.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64574.D
Acq On : 8 Sep 2022 3:16 pm
Operator : joannel
Sample : IC2677-4 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 10:44:09 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration





TIC: Y64574.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.872min (-0.004) 1375.50ug/L

response 2858829

Ion	Exp%	Act%
57.00	100	100
69.00	71.90	71.74
56.00	40.00	42.16
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/12/22 12:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64575.D
Acq On : 8 Sep 2022 3:41 pm
Operator : joannel
Sample : ICC2677-5 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 09:38:58 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	1136997	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	869880	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	427423	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	250543	50.59	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.18%			
49) 1,2-Dichloroethane-d4	9.205	65	316337	49.21	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.42%			
63) Toluene-d8	10.933	98	1107441	49.76	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.52%			
86) 4-Bromofluorobenzene	13.008	174	348422	50.08	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	185152	39.83	ug/L	100
3) Acrolein	5.580	56	302546	211.19	ug/L	100
4) Chloromethane	3.177	50	251649	40.92	ug/L	100
5) 1,3-butadiene	3.341	39	218262	41.13	ug/L	100
6) Vinyl Chloride	3.311	62	247521	39.05	ug/L	100
7) Bromomethane	3.834	94	82788	41.28	ug/L	100
8) Chloroethane	4.028	64	85119	38.05	ug/L	100
9) Trichlorofluoromethane	4.235	101	303177	42.99	ug/L	100
10) Ethyl Ether	4.752	59	211567	38.63	ug/L	100
11) Ethanol	5.014	45	157797	838.68	ug/L	100
12) 1,2-Dichlorotrifluoroe...	5.044	67	251803	38.05	ug/L	100
13) 1,1-Dichloroethene	5.050	61	297315	38.72	ug/L	100
14) Freon 113	5.111	101	196305	38.49	ug/L	100
15) Carbon Disulfide	5.099	76	568168	39.59	ug/L	100
16) Iodomethane	5.275	142	83637	45.08	ug/L	100
17) Allyl chloride	5.786	41	291758	43.37	ug/L	100
18) Methylene Chloride	5.957	49	358423	38.56	ug/L	100
19) Acetone	6.042	43	595650	197.85	ug/L	100
20) Methyl acetate	6.231	43	1447257	206.92	ug/L	100
21) trans-1,2-Dichloroethene	6.218	61	296772	39.43	ug/L	100
22) Hexane	6.328	56	164080	39.15	ug/L	100
23) Methyl Tert Butyl Ether	6.383	73	713986	39.83	ug/L	100
24) Tert Butyl Alcohol	6.547	59	774471	400.76	ug/L	100
25) Acetonitrile	6.784	41	613986	431.44	ug/L	100
26) Di-isopropyl ether	6.985	45	778749	40.00	ug/L	100
27) Chloroprene	7.174	53	55445	42.75	ug/L	100
28) 1,1-Dichloroethane	7.210	63	381135	38.35	ug/L	100
29) Acrylonitrile	7.301	53	683592	204.42	ug/L	100
30) ETBE	7.575	59	752264	40.45	ug/L	100
31) Vinyl acetate	7.599	43	2922476	201.38	ug/L	100
32) cis-1,2-Dichloroethene	8.031	96	240596	38.54	ug/L	100
33) 2,2-Dichloropropane	8.165	77	324231	39.42	ug/L	100
34) Bromochloromethane	8.293	128	103948	38.50	ug/L	100
35) Cyclohexane	8.293	56	403131	37.80	ug/L	100
36) Chloroform	8.378	83	388902	39.80	ug/L	100
37) Ethyl acetate	8.512	43	1861832	189.13	ug/L	100
38) Tetrahydrofuran	8.585	42	169360	40.78	ug/L	100
40) Carbon Tetrachloride	8.554	117	257255	38.84	ug/L	100
41) 1,1,1-Trichloroethane	8.634	97	328258	38.33	ug/L	100
42) 2-Butanone	8.743	43	1020628	192.43	ug/L	100
43) 1,1-Dichloropropene	8.780	75	313071	39.04	ug/L	100
44) tert-Butyl formate	8.895	59	1050635	204.81	ug/L	100
45) Propionitrile	9.084	54	721344	437.52	ug/L	100
46) Methacrylonitrile	9.108	41	2466650	430.03	ug/L	100
47) Benzene	9.059	78	982743	38.59	ug/L	100
48) TAME	9.169	73	708451	40.24	ug/L	100
50) Isobutyl Alcohol	9.278	42	457895	848.11	ug/L	100
51) 1,2-Dichloroethane	9.284	62	312661	40.58	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64575.D
Acq On : 8 Sep 2022 3:41 pm
Operator : joannel
Sample : ICC2677-5 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 09:38:58 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration

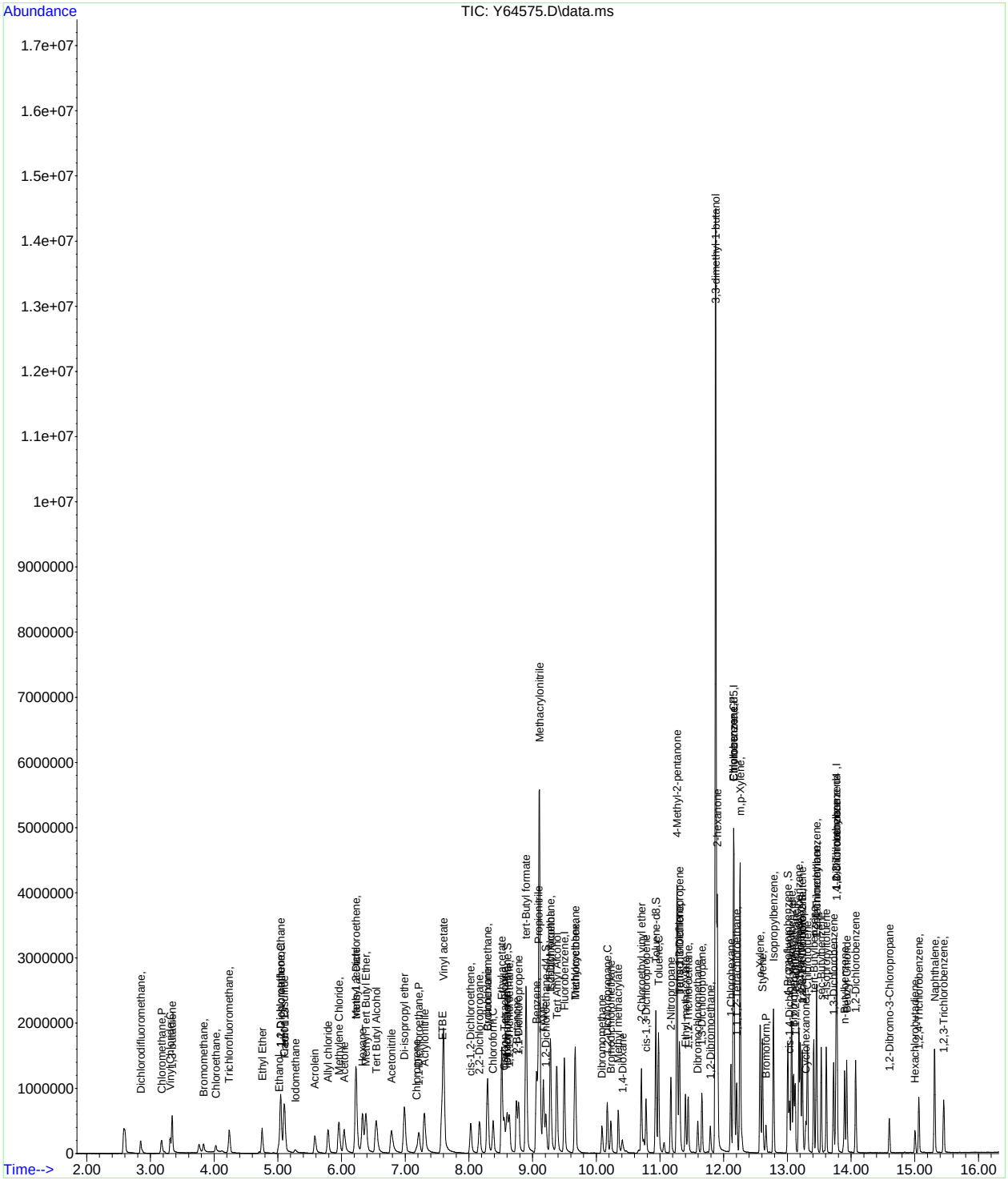
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
52) Tert Amyl Alcohol	9.382	59	730059m	409.76 ug/L	
53) Trichloroethene	9.674	95	240686	39.77 ug/L	100
54) Methylcyclohexane	9.662	83	388449	38.41 ug/L	100
55) Dibromomethane	10.088	93	137304	39.57 ug/L	100
56) 1,2-Dichloropropane	10.173	63	240296	40.26 ug/L	100
57) Bromodichloromethane	10.227	83	260648	40.48 ug/L	100
58) Methyl methacrylate	10.343	41	284259	42.93 ug/L	100
59) 1,4-Dioxane	10.410	88	146155	814.39 ug/L	100
60) 2-Chloroethyl vinyl ether	10.708	63	432550	203.45 ug/L	100
61) cis-1,3-Dichloropropene	10.781	75	368192	41.99 ug/L	100
64) Toluene	10.976	91	1054610	38.10 ug/L	100
65) 2-Nitropropane	11.170	41	532830	216.59 ug/L	100
66) 4-Methyl-2-pentanone	11.268	43	2122895	197.40 ug/L	100
67) trans-1,3-Dichloropropene	11.310	75	323282	42.49 ug/L	100
68) Tetrachloroethene	11.304	166	270506	39.43 ug/L	100
69) Ethyl methacrylate	11.402	69	369446	43.14 ug/L	100
70) 1,1,2-Trichloroethane	11.444	83	181478	37.62 ug/L	100
71) Dibromochloromethane	11.596	129	206586	42.15 ug/L	100
72) 1,3-Dichloropropane	11.657	76	405005	39.34 ug/L	100
73) 1,2-Dibromoethane	11.791	107	224011	40.79 ug/L	100
74) 3,3-dimethyl-1-butanol	11.876	57	5132685m	2101.25 ug/L	
75) 2-hexanone	11.900	43	1799012	180.23 ug/L	100
76) 1-Chlorohexane	12.113	91	329645	40.64 ug/L	100
77) Ethylbenzene	12.156	91	1228039	39.28 ug/L	100
78) Chlorobenzene	12.162	112	663623	39.21 ug/L	100
79) 1,1,1,2-Tetrachloroethane	12.205	131	221954	41.43 ug/L	100
80) m,p-Xylene	12.259	91	1901311	81.27 ug/L	100
81) o-Xylene	12.576	91	888494	40.09 ug/L	100
82) Styrene	12.612	104	677585	43.24 ug/L	100
83) Bromoform	12.667	173	151159	41.38 ug/L	100
84) Isopropylbenzene	12.782	105	1074928	41.64 ug/L	100
87) cis-1,4-Dichloro-2-butene	13.032	53	118265	43.81 ug/L	100
88) n-Propylbenzene	13.068	91	1230047	40.84 ug/L	100
89) Bromobenzene	13.099	156	256378	38.89 ug/L	100
90) 1,1,2,2-Tetrachloroethane	13.123	83	380808	40.23 ug/L	100
91) 1,3,5-Trimethylbenzene	13.178	105	774479	40.39 ug/L	100
92) 2-Chlorotoluene	13.202	91	785473	38.94 ug/L	100
93) trans-1,4-Dichloro-2-B...	13.239	53	101087	41.59 ug/L	100
94) 1,2,3-Trichloropropane	13.233	110	125321	39.38 ug/L	100
95) Cyclohexanone	13.287	55	144319	210.53 ug/L	100
96) 4-Chlorotoluene	13.312	91	716267	39.75 ug/L	100
97) tert-Butylbenzene	13.415	91	398043	40.07 ug/L	100
98) 1,2,4-Trimethylbenzene	13.458	105	762900	40.56 ug/L	100
99) Pentachloroethane	13.464	167	127786	43.75 ug/L	100
100) sec-Butylbenzene	13.531	105	792715	41.01 ug/L	100
101) 4-Isopropyltoluene	13.610	119	652337	41.24 ug/L	100
102) 1,3-Dichlorobenzene	13.725	146	421529	39.28 ug/L	100
103) 1,2,3-Trimethylbenzene	13.762	105	386641	40.64 ug/L	100
104) 1,4-Dichlorobenzene	13.780	146	448126	38.28 ug/L	100
105) n-Butylbenzene	13.896	92	280416	42.17 ug/L	100
106) Benzyl Chloride	13.932	126	153671	42.64 ug/L	100
107) 1,2-Dichlorobenzene	14.072	146	429333	39.58 ug/L	100
108) 1,2-Dibromo-3-Chloropr...	14.601	75	90085	42.15 ug/L	100
109) Hexachlorobutadiene	15.009	225	49601	39.22 ug/L	100
110) 1,2,4-Trichlorobenzene	15.064	180	209600	40.47 ug/L	100
111) Naphthalene	15.313	128	1064727	40.77 ug/L	100
112) 1,2,3-Trichlorobenzene	15.453	180	209622	41.00 ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64575.D
Acq On : 8 Sep 2022 3:41 pm
Operator : joannel
Sample : ICC2677-5 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 09:38:58 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration



Manual Integration Approval Summary

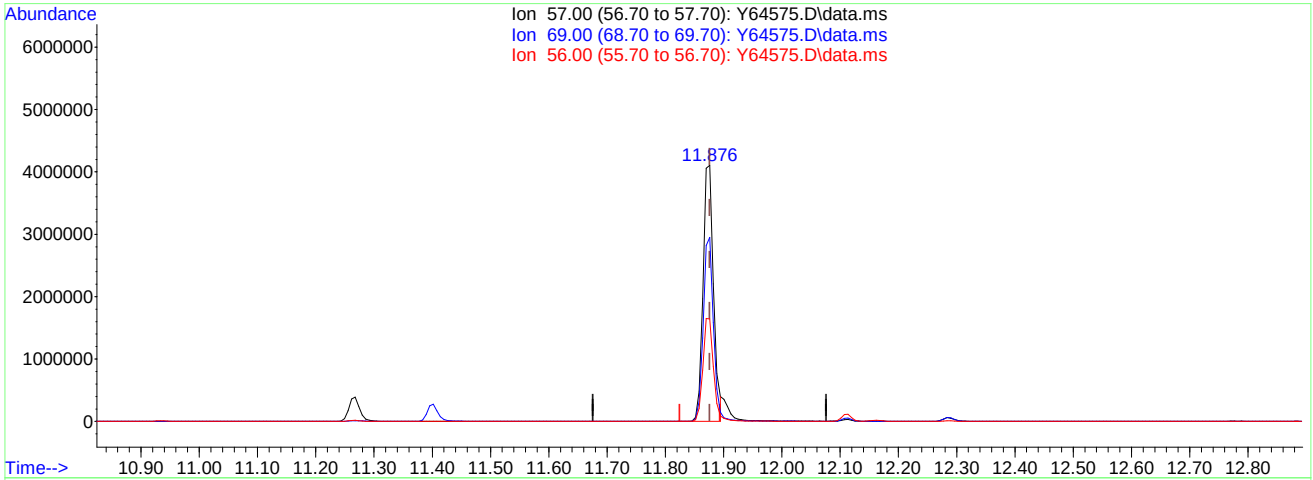
Sample Number: VY2677-ICC2677
Lab FileID: Y64575.D
Injection Time: 09/08/22 15:41
Method: SW846 8260D
Analyst approved: 09/12/22 09:56 Jo-Ann Lugo De Jesus
Supervisor approved: 09/12/22 12:51 Karen Watson

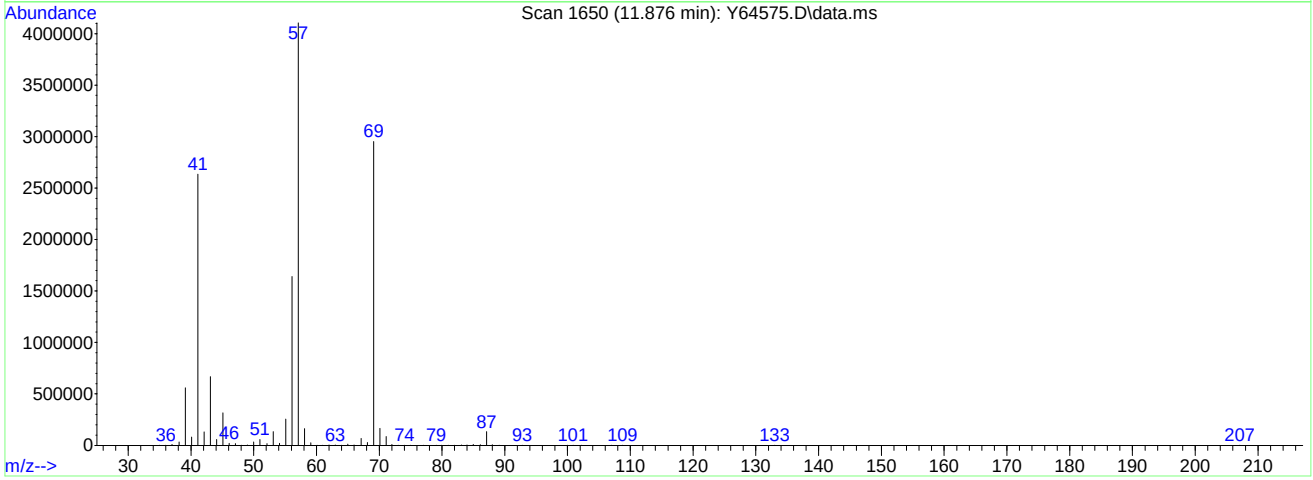
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.88	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64575.D
Acq On : 8 Sep 2022 3:41 pm
Operator : joannel
Sample : ICC2677-5 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 09:38:58 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration





TIC: Y64575.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.876min (+0.000) 2101.25ug/L m

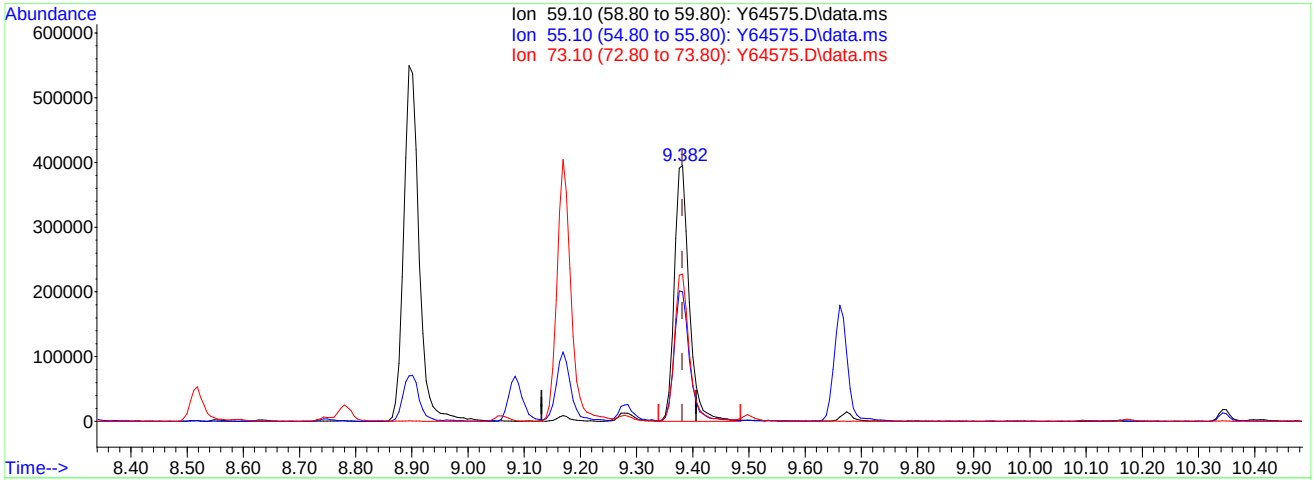
response 5132685

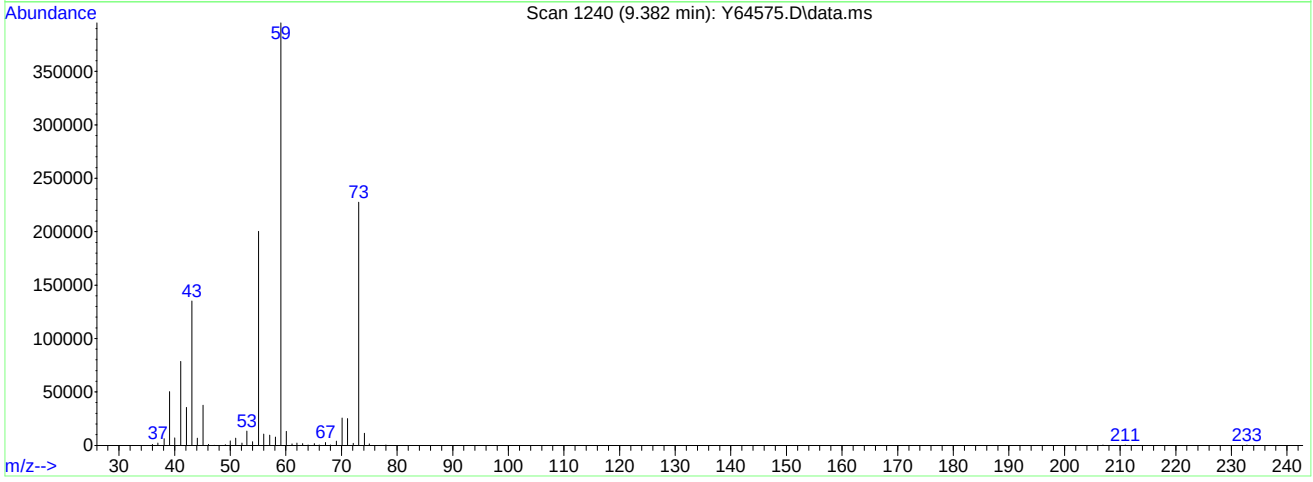
Ion	Exp%	Act%
57.00	100	100
69.00	71.90	71.87
56.00	40.00	39.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64575.D
Acq On : 8 Sep 2022 3:41 pm
Operator : joannel
Sample : ICC2677-5 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 09:38:58 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration





TIC: Y64575.D\data.ms

(52) Tert Amyl Alcohol

9.382min (+0.001) 409.76ug/L m

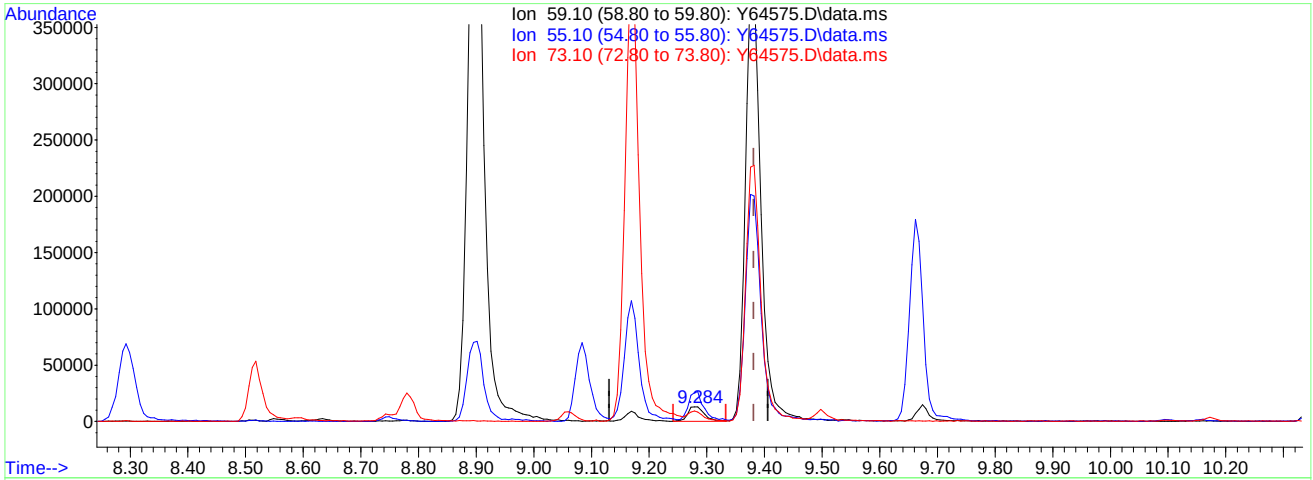
response 730059

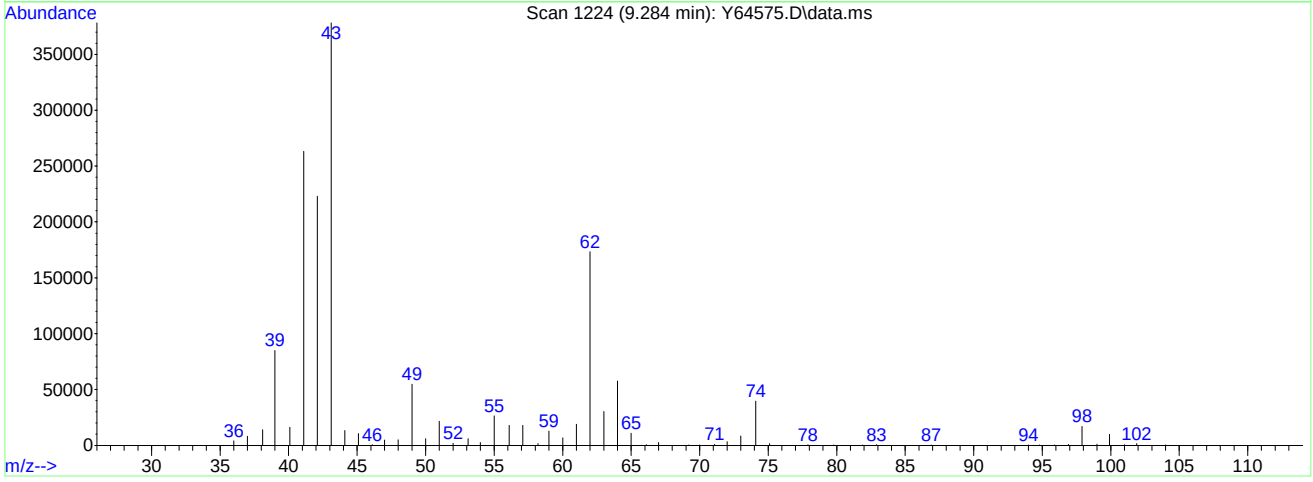
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	50.65
73.10	57.50	57.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64575.D
Acq On : 8 Sep 2022 3:41 pm
Operator : joannel
Sample : ICC2677-5 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 10:44:10 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration





TIC: Y64575.D\data.ms

(52) Tert Amyl Alcohol

9.284min (-0.097) 17.50ug/L

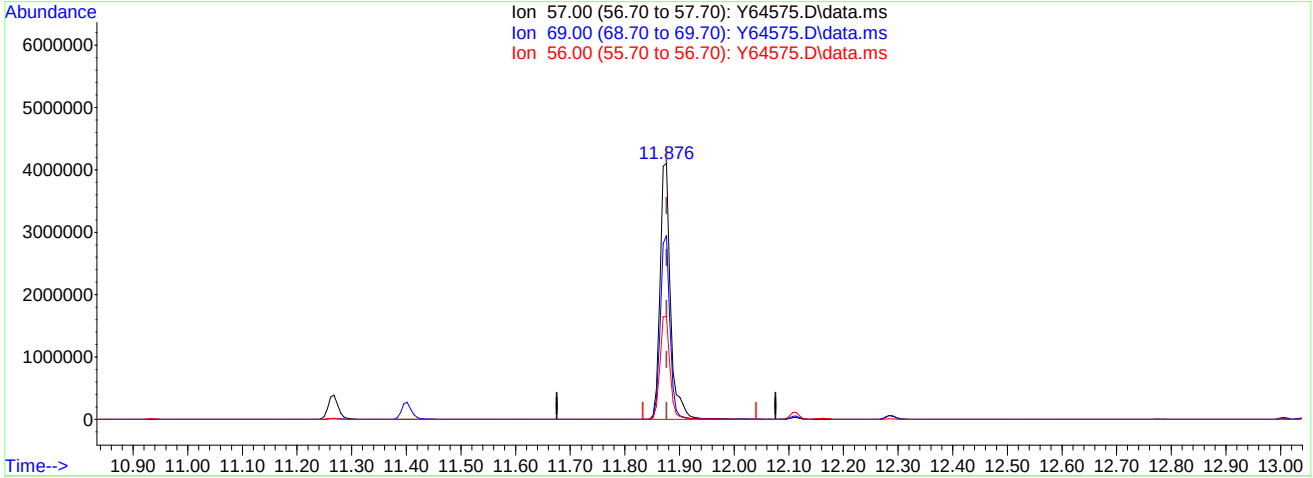
response 26774

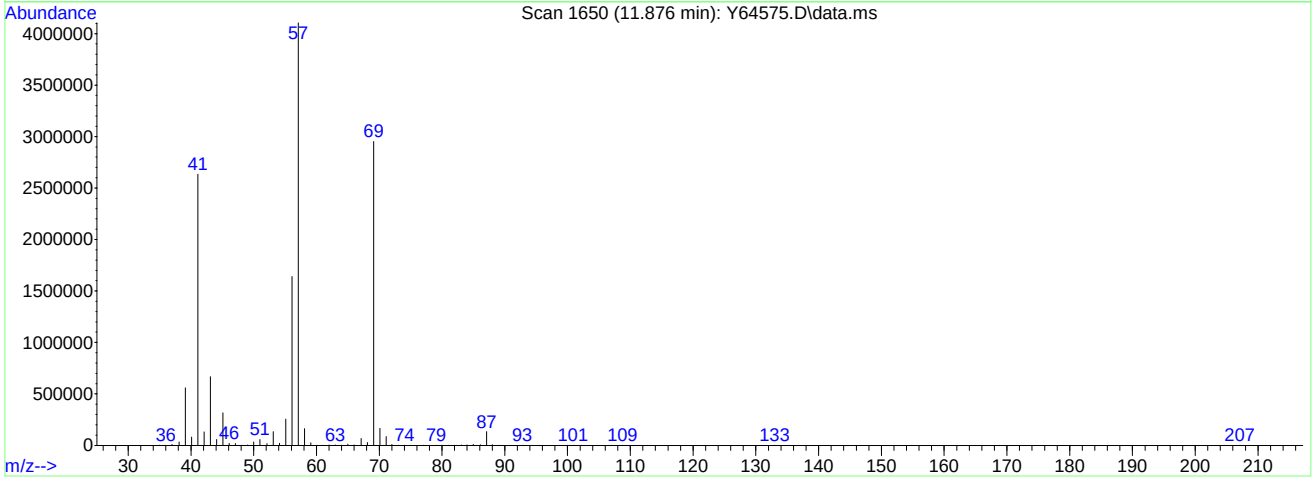
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	195.15#
73.10	57.50	61.09
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64575.D
Acq On : 8 Sep 2022 3:41 pm
Operator : joannel
Sample : ICC2677-5 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 10:44:10 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration





TIC: Y64575.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.876min (+0.000) 2209.28ug/L

response 5500603

Ion	Exp%	Act%
57.00	100	100
69.00	71.90	71.86
56.00	40.00	39.96
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/12/22 12:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64576.D
Acq On : 8 Sep 2022 4:06 pm
Operator : joannel
Sample : IC2677-6 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 12 09:39:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.496	96	1248637	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.155	117	981977	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.773	152	492275	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	271693	49.95	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.90%			
49) 1,2-Dichloroethane-d4	9.210	65	344111	48.75	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.50%			
63) Toluene-d8	10.932	98	1204508	47.94	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.88%			
86) 4-Bromofluorobenzene	13.006	174	386869	48.28	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.847	85	379459	72.20	ug/L	94
3) Acrolein	5.584	56	614050	363.14	ug/L	94
4) Chloromethane	3.175	50	478057	71.21	ug/L	99
5) 1,3-butadiene	3.340	39	381921	68.46	ug/L	99
6) Vinyl Chloride	3.309	62	486948	69.96	ug/L	99
7) Bromomethane	3.832	94	159586	72.46	ug/L	100
8) Chloroethane	4.027	64	156362	70.08	ug/L	98
9) Trichlorofluoromethane	4.234	101	562304	72.60	ug/L	98
10) Ethyl Ether	4.763	59	418254	69.55	ug/L	96
11) Ethanol	5.049	45	321311	1555.06	ug/L	96
12) 1,2-Dichlorotrifluoroe...	5.043	67	486773	66.98	ug/L	97
13) 1,1-Dichloroethene	5.043	61	590591	70.03	ug/L	99
14) Freon 113	5.104	101	404763	71.76	ug/L	96
15) Carbon Disulfide	5.092	76	1124774	71.36	ug/L	99
16) Iodomethane	5.274	142	181663	71.12	ug/L	94
17) Allyl chloride	5.785	41	525216	71.10	ug/L	97
18) Methylene Chloride	5.962	49	656306	64.30	ug/L	95
19) Acetone	6.047	43	1247938	377.44	ug/L	98
20) Methyl acetate	6.235	43	2980720	388.07	ug/L	99
21) trans-1,2-Dichloroethene	6.217	61	583950	70.65	ug/L	98
22) Hexane	6.327	56	320861	70.11	ug/L #	93
23) Methyl Tert Butyl Ether	6.387	73	1380929	70.15	ug/L	85
24) Tert Butyl Alcohol	6.564	59	1667967	727.02	ug/L	98
25) Acetonitrile	6.789	41	1156299	717.33	ug/L	99
26) Di-isopropyl ether	6.990	45	1526964	71.42	ug/L	96
27) Chloroprene	7.172	53	101053	70.95	ug/L	95
28) 1,1-Dichloroethane	7.215	63	749942	68.72	ug/L	96
29) Acrylonitrile	7.300	53	1349056	351.00	ug/L	99
30) ETBE	7.580	59	1495584	73.24	ug/L	99
31) Vinyl acetate	7.604	43	5999712	353.63	ug/L	99
32) cis-1,2-Dichloroethene	8.030	96	467240	68.16	ug/L	98
33) 2,2-Dichloropropane	8.164	77	631549	69.92	ug/L	99
34) Bromochloromethane	8.292	128	201844	68.07	ug/L	97
35) Cyclohexane	8.292	56	806619	68.87	ug/L	98
36) Chloroform	8.383	83	736316	68.61	ug/L	95
37) Ethyl acetate	8.517	43	4064682	355.73	ug/L	100
38) Tetrahydrofuran	8.590	42	327694	71.04	ug/L	94
40) Carbon Tetrachloride	8.553	117	503177	69.18	ug/L	98
41) 1,1,1-Trichloroethane	8.632	97	636495	67.67	ug/L	98
42) 2-Butanone	8.748	43	2207126	357.43	ug/L	99
43) 1,1-Dichloropropene	8.778	75	608072	69.05	ug/L	96
44) tert-Butyl formate	8.900	59	2158295	355.65	ug/L	97
45) Propionitrile	9.089	54	1433135	791.53	ug/L	93
46) Methacrylonitrile	9.107	41	4801055	762.18	ug/L	99
47) Benzene	9.058	78	1918836	68.61	ug/L	98
48) TAME	9.168	73	1383708	71.57	ug/L	97
50) Isobutyl Alcohol	9.289	42	955508	1471.09	ug/L	98
51) 1,2-Dichloroethane	9.283	62	616206	72.82	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64576.D
Acq On : 8 Sep 2022 4:06 pm
Operator : joannel
Sample : IC2677-6 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 12 09:39:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration

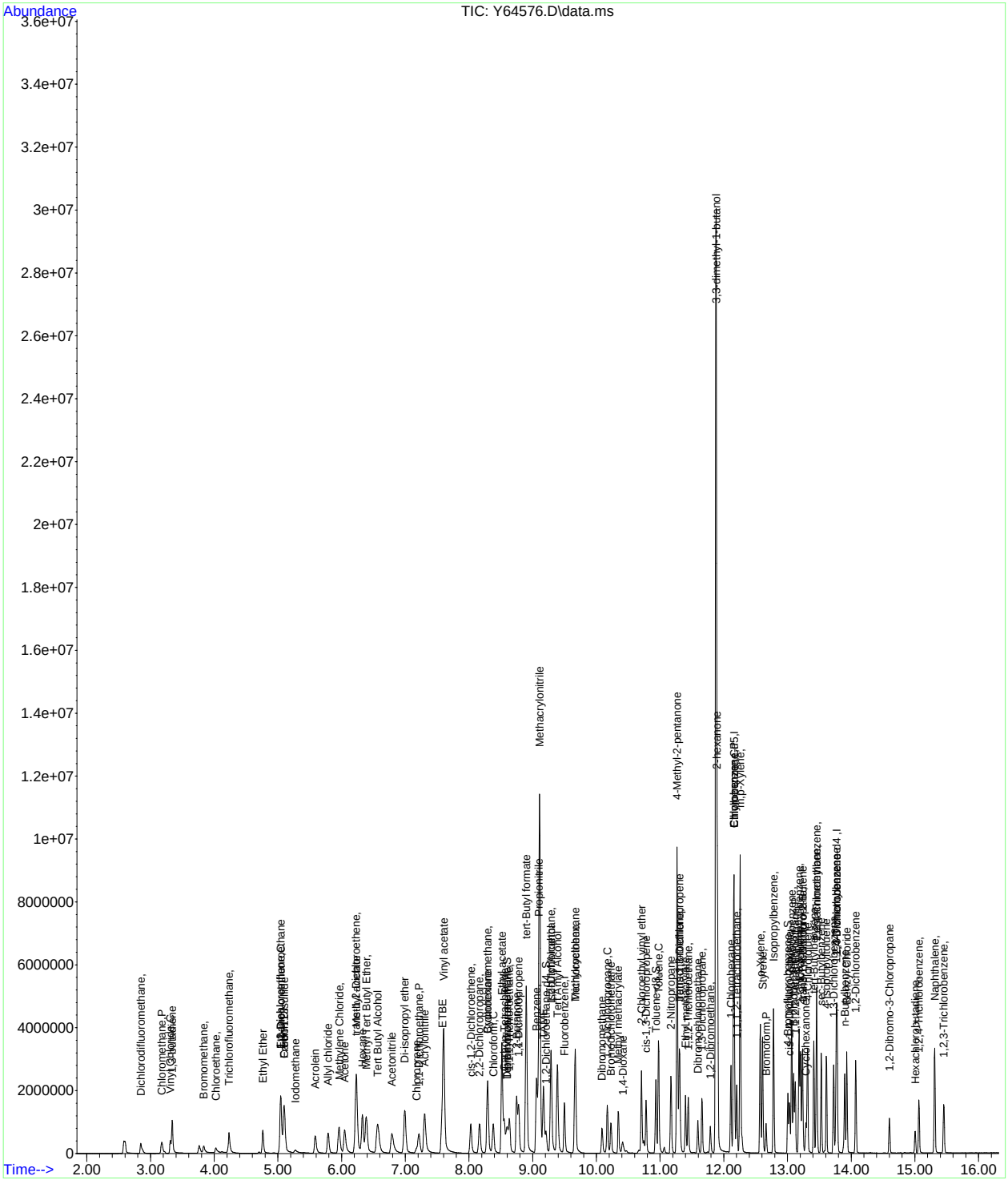
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	9.387	59	1580458m	724.90	ug/L		
53) Trichloroethene	9.673	95	467884	69.93	ug/L		98
54) Methylcyclohexane	9.660	83	783069	70.51	ug/L		98
55) Dibromomethane	10.086	93	262809	68.96	ug/L		96
56) 1,2-Dichloropropane	10.171	63	466093	71.12	ug/L		97
57) Bromodichloromethane	10.232	83	522791	73.93	ug/L		98
58) Methyl methacrylate	10.342	41	555319	71.53	ug/L		98
59) 1,4-Dioxane	10.415	88	289649	1458.65	ug/L		100
60) 2-Chloroethyl vinyl ether	10.707	63	855051	346.61	ug/L		99
61) cis-1,3-Dichloropropene	10.780	75	719735	74.75	ug/L		100
64) Toluene	10.974	91	2067705	66.17	ug/L		99
65) 2-Nitropropane	11.169	41	1108827	399.27	ug/L		96
66) 4-Methyl-2-pentanone	11.266	43	4805745	395.86	ug/L		98
67) trans-1,3-Dichloropropene	11.309	75	648243	75.48	ug/L		89
68) Tetrachloroethene	11.303	166	523626	67.61	ug/L		98
69) Ethyl methacrylate	11.400	69	715406	71.36	ug/L		97
70) 1,1,2-Trichloroethane	11.443	83	359190	65.96	ug/L		98
71) Dibromochloromethane	11.595	129	413043	74.65	ug/L		97
72) 1,3-Dichloropropane	11.656	76	786045	67.64	ug/L		98
73) 1,2-Dibromoethane	11.790	107	439685	70.92	ug/L		98
74) 3,3-dimethyl-1-butanol	11.881	57	11817661	3457.07	ug/L		96
75) 2-hexanone	11.899	43	5864445	356.92	ug/L		96
76) 1-Chlorohexane	12.112	91	658221	71.89	ug/L		98
77) Ethylbenzene	12.161	91	2493632	70.65	ug/L		98
78) Chlorobenzene	12.167	112	1320412	69.10	ug/L		89
79) 1,1,1,2-Tetrachloroethane	12.203	131	431354	71.33	ug/L		98
80) m,p-Xylene	12.258	91	3914216	148.21	ug/L		97
81) o-Xylene	12.574	91	1785028	71.34	ug/L		97
82) Styrene	12.611	104	1411837	79.81	ug/L		97
83) Bromoform	12.666	173	321786	71.51	ug/L		96
84) Isopropylbenzene	12.781	105	2137826	73.35	ug/L		99
87) cis-1,4-Dichloro-2-butene	13.031	53	246787	79.38	ug/L		91
88) n-Propylbenzene	13.067	91	2459611	70.90	ug/L		99
89) Bromobenzene	13.098	156	507614	66.85	ug/L		86
90) 1,1,2,2-Tetrachloroethane	13.122	83	792851	72.73	ug/L		99
91) 1,3,5-Trimethylbenzene	13.183	105	1545463	69.97	ug/L		99
92) 2-Chlorotoluene	13.201	91	1600376	68.89	ug/L		97
93) trans-1,4-Dichloro-2-B...	13.237	53	223340	79.78	ug/L		96
94) 1,2,3-Trichloropropane	13.231	110	257487	70.25	ug/L		97
95) Cyclohexanone	13.286	55	293592	371.87	ug/L		96
96) 4-Chlorotoluene	13.317	91	1449256	69.83	ug/L		98
97) tert-Butylbenzene	13.414	91	798228	69.77	ug/L		98
98) 1,2,4-Trimethylbenzene	13.456	105	1546707	71.39	ug/L		99
99) Pentachloroethane	13.463	167	251158	74.66	ug/L		94
100) sec-Butylbenzene	13.529	105	1574238	70.72	ug/L		99
101) 4-Isopropyltoluene	13.609	119	1310866	71.96	ug/L		99
102) 1,3-Dichlorobenzene	13.724	146	845233	68.39	ug/L		98
103) 1,2,3-Trimethylbenzene	13.761	105	777492	70.55	ug/L		99
104) 1,4-Dichlorobenzene	13.779	146	914833	67.85	ug/L		99
105) n-Butylbenzene	13.901	92	570535	74.50	ug/L		98
106) Benzyl Chloride	13.931	126	325577	73.18	ug/L	#	84
107) 1,2-Dichlorobenzene	14.071	146	879578	70.41	ug/L		97
108) 1,2-Dibromo-3-Chloropr...	14.600	75	193416	78.58	ug/L		89
109) Hexachlorobutadiene	15.008	225	100478	68.98	ug/L		97
110) 1,2,4-Trichlorobenzene	15.063	180	416762	69.87	ug/L		98
111) Naphthalene	15.312	128	2137838	71.07	ug/L		98
112) 1,2,3-Trichlorobenzene	15.458	180	405983	68.95	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64576.D
Acq On : 8 Sep 2022 4:06 pm
Operator : joannel
Sample : IC2677-6 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 12 09:39:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration



Manual Integration Approval Summary

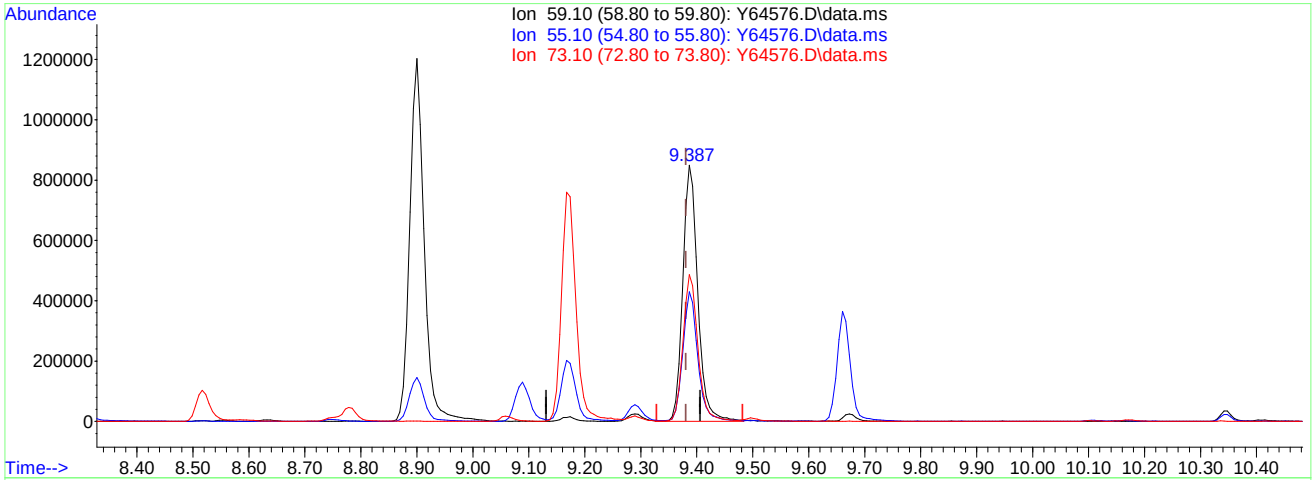
Sample Number: VY2677-IC2677
Lab FileID: Y64576.D
Injection Time: 09/08/22 16:06
Method: SW846 8260D
Analyst approved: 09/12/22 09:56 Jo-Ann Lugo De Jesus
Supervisor approved: 09/12/22 12:51 Karen Watson

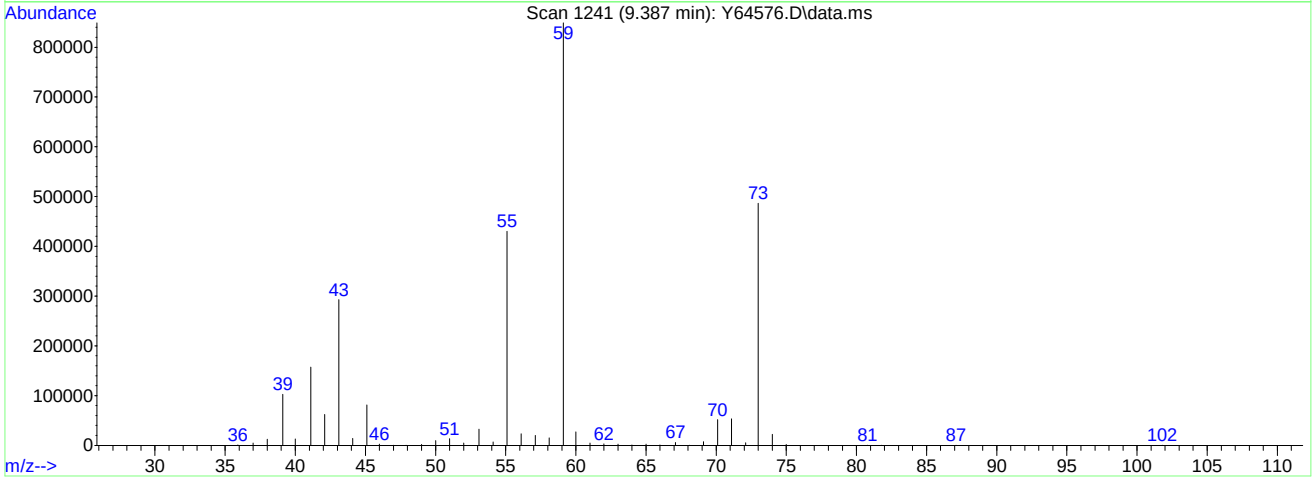
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert-Amyl Alcohol	75-85-4		9.39	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64576.D
Acq On : 8 Sep 2022 4:06 pm
Operator : joannel
Sample : IC2677-6 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 12 09:39:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration





TIC: Y64576.D\data.ms

(52) Tert Amyl Alcohol

9.387min (+0.006) 724.90ug/L m

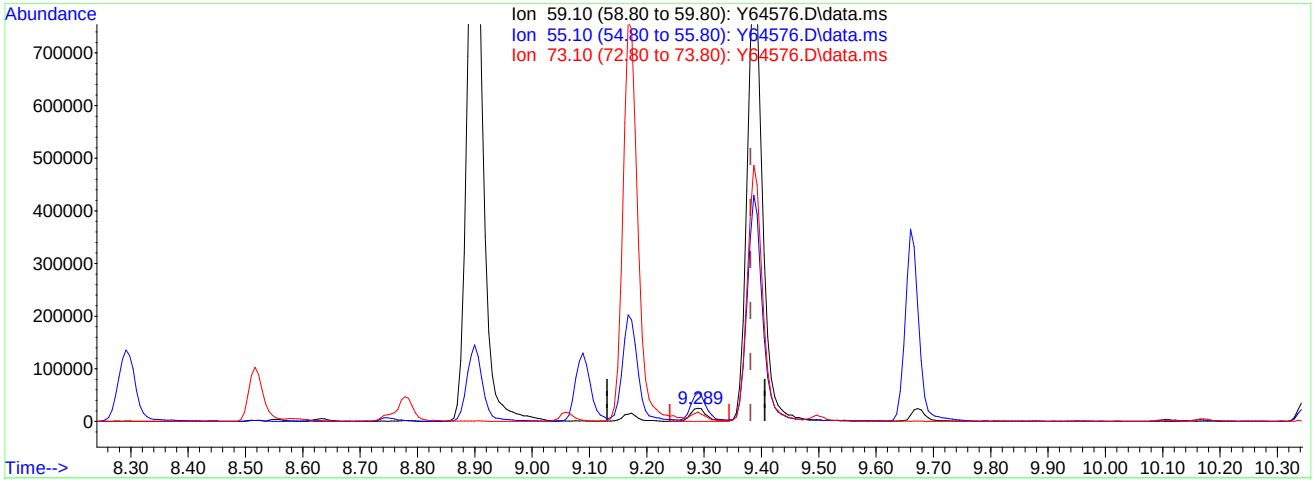
response 1580458

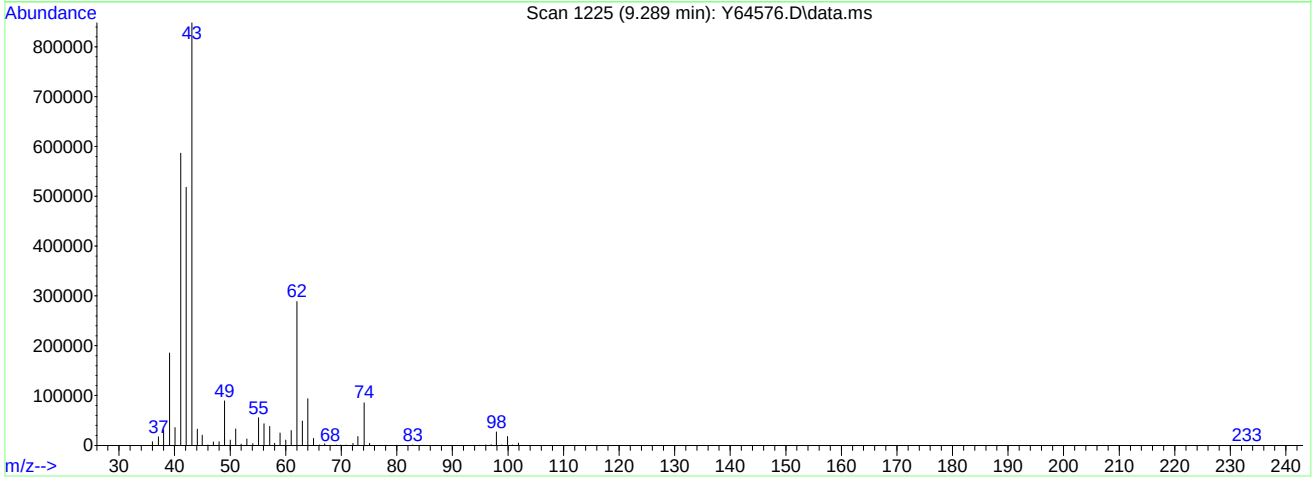
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	50.61
73.10	57.50	57.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64576.D
Acq On : 8 Sep 2022 4:06 pm
Operator : joannel
Sample : IC2677-6 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 12 10:44:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration





TIC: Y64576.D\data.ms

(52) Tert Amyl Alcohol

9.289min (-0.092) 30.20ug/L

response 51028

Ion	Exp%	Act%
59.10	100	100
55.10	50.60	211.21#
73.10	57.50	68.10
0.00	0.00	0.00

Y64577.D

Manual Integrations APPROVED (compounds with "m" flag)

Karen Watson 09/12/22 12:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64577.D
Acq On : 8 Sep 2022 4:31 pm
Operator : joannel
Sample : IC2677-7 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 12 09:39:54 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.500	96	1359025	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.152	117	1106269	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.770	152	573853	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.606	113	297418	50.24	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.48%			
49) 1,2-Dichloroethane-d4	9.208	65	389738	50.72	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.44%			
63) Toluene-d8	10.935	98	1310737	46.31	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 92.62%			
86) 4-Bromofluorobenzene	13.010	174	440176	47.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.24%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.851	85	579171	98.92	ug/L	96
3) Acrolein	5.588	56	949004	487.79	ug/L	97
4) Chloromethane	3.179	50	720093	99.11	ug/L	99
5) 1,3-butadiene	3.343	39	581932	101.25	ug/L	99
6) Vinyl Chloride	3.313	62	758569	100.13	ug/L	99
7) Bromomethane	3.836	94	245020	102.21	ug/L	99
8) Chloroethane	4.025	64	220495	100.39	ug/L	98
9) Trichlorofluoromethane	4.231	101	429909	51.00	ug/L	96
10) Ethyl Ether	4.767	59	632271	96.60	ug/L	99
11) Ethanol	5.077	45	479762	2133.32	ug/L	92
12) 1,2-Dichlorotrifluoroe...	5.047	67	757236	95.73	ug/L	97
13) 1,1-Dichloroethene	5.041	61	908582	98.99	ug/L	98
14) Freon 113	5.095	101	614011	99.45	ug/L	97
15) Carbon Disulfide	5.089	76	1781366	103.84	ug/L	99
16) Iodomethane	5.272	142	332301	98.53	ug/L	95
17) Allyl chloride	5.789	41	785366	97.68	ug/L	97
18) Methylene Chloride	5.959	49	985018	88.67	ug/L	98
19) Acetone	6.050	43	1913832	531.83	ug/L	95
20) Methyl acetate	6.239	43	4707393	563.09	ug/L	98
21) trans-1,2-Dichloroethene	6.215	61	916241	101.85	ug/L	98
22) Hexane	6.324	56	497329	100.40	ug/L #	92
23) Methyl Tert Butyl Ether	6.391	73	2180617	101.78	ug/L	81
24) Tert Butyl Alcohol	6.586	59	2613937	987.64	ug/L	97
25) Acetonitrile	6.793	41	1767848	980.17	ug/L	100
26) Di-isopropyl ether	6.993	45	2411808	103.64	ug/L	99
27) Chloroprene	7.176	53	160200	103.33	ug/L	92
28) 1,1-Dichloroethane	7.212	63	1178617	99.22	ug/L	99
29) Acrylonitrile	7.304	53	2177384	498.22	ug/L	99
30) ETBE	7.583	59	2407706	108.32	ug/L	100
31) Vinyl acetate	7.602	43	9705664	497.16	ug/L	99
32) cis-1,2-Dichloroethene	8.028	96	715489	95.90	ug/L	96
33) 2,2-Dichloropropane	8.168	77	974143	99.09	ug/L	99
34) Bromochloromethane	8.289	128	308880	95.71	ug/L	94
35) Cyclohexane	8.289	56	1256109	98.54	ug/L	97
36) Chloroform	8.380	83	1142106	97.78	ug/L	96
37) Ethyl acetate	8.520	43	6495968	499.18	ug/L	99
38) Tetrahydrofuran	8.587	42	496496	97.92	ug/L	95
40) Carbon Tetrachloride	8.557	117	784119	99.05	ug/L	97
41) 1,1,1-Trichloroethane	8.636	97	988054	96.52	ug/L	99
42) 2-Butanone	8.752	43	3502860	497.26	ug/L	98
43) 1,1-Dichloropropene	8.782	75	944765	98.57	ug/L	98
44) tert-Butyl formate	8.898	59	3483672	494.73	ug/L	96
45) Propionitrile	9.092	54	2258475	1146.06	ug/L	87
46) Methacrylonitrile	9.110	41	7605440	1109.31	ug/L	98
47) Benzene	9.062	78	2978142	97.83	ug/L	97
48) TAME	9.171	73	2231041	106.03	ug/L	98
50) Isobutyl Alcohol	9.299	42	1468728	1947.70	ug/L	99
51) 1,2-Dichloroethane	9.281	62	945283	102.63	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64577.D
Acq On : 8 Sep 2022 4:31 pm
Operator : joannel
Sample : IC2677-7 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 12 09:39:54 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration

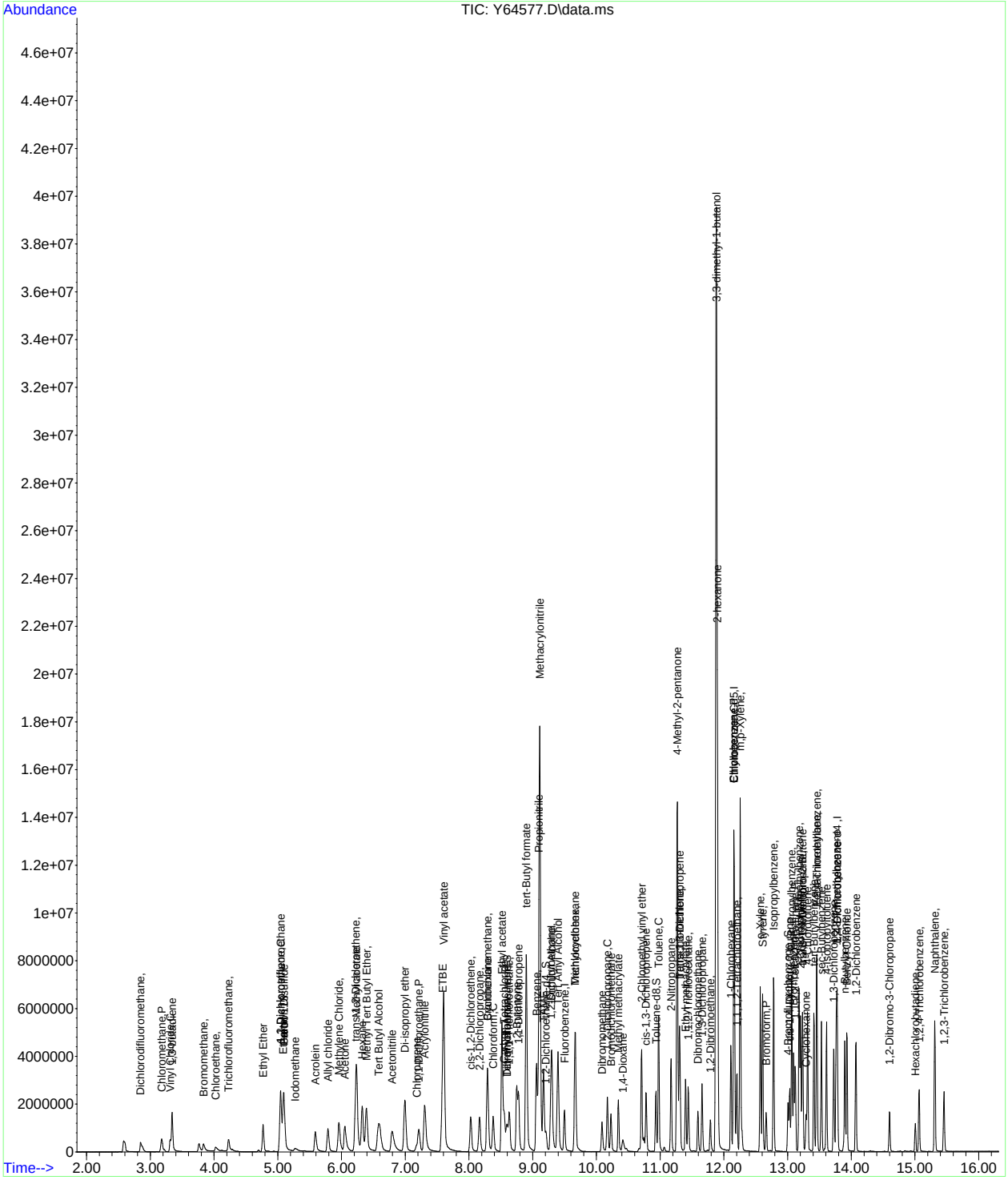
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	9.396	59	2535481m	985.06	ug/L		
53) Trichloroethene	9.670	95	734415	100.18	ug/L		98
54) Methylcyclohexane	9.664	83	1210459	100.14	ug/L		98
55) Dibromomethane	10.090	93	411309	99.16	ug/L		96
56) 1,2-Dichloropropane	10.175	63	723047	101.36	ug/L		99
57) Bromodichloromethane	10.230	83	832337	108.14	ug/L		97
58) Methyl methacrylate	10.345	41	879344	98.26	ug/L		98
59) 1,4-Dioxane	10.412	88	424924	1954.79	ug/L		99
60) 2-Chloroethyl vinyl ether	10.710	63	1419939	500.14	ug/L		95
61) cis-1,3-Dichloropropene	10.783	75	1135117	108.32	ug/L		97
64) Toluene	10.978	91	3278517	93.13	ug/L		99
65) 2-Nitropropane	11.173	41	1780126	568.98	ug/L		95
66) 4-Methyl-2-pentanone	11.270	43	7739288	565.88	ug/L		99
67) trans-1,3-Dichloropropene	11.313	75	1050300	108.56	ug/L		79
68) Tetrachloroethene	11.300	166	815087	93.43	ug/L		95
69) Ethyl methacrylate	11.398	69	1147306	98.24	ug/L		97
70) 1,1,2-Trichloroethane	11.440	83	564045	91.94	ug/L		96
71) Dibromochloromethane	11.592	129	665736	106.80	ug/L		99
72) 1,3-Dichloropropane	11.659	76	1239586	94.68	ug/L		99
73) 1,2-Dibromoethane	11.787	107	691046	98.94	ug/L		99
74) 3,3-dimethyl-1-butanol	11.878	57	15121177	3762.56	ug/L	#	74
75) 2-hexanone	11.903	43	9112147	433.36	ug/L		95
76) 1-Chlorohexane	12.110	91	1044427	101.26	ug/L		96
77) Ethylbenzene	12.158	91	4078075	102.57	ug/L		97
78) Chlorobenzene	12.164	112	2137240	99.29	ug/L		93
79) 1,1,1,2-Tetrachloroethane	12.207	131	699433	102.66	ug/L		99
80) m,p-Xylene	12.256	91	6461414	217.18	ug/L		95
81) o-Xylene	12.572	91	2900876	102.92	ug/L		95
82) Styrene	12.608	104	2297296	115.28	ug/L		97
83) Bromoform	12.663	173	538725	98.78	ug/L		94
84) Isopropylbenzene	12.779	105	3572653	108.81	ug/L		98
87) cis-1,4-Dichloro-2-butene	13.034	53	397314	109.63	ug/L	#	86
88) n-Propylbenzene	13.065	91	4112957	101.71	ug/L		96
89) Bromobenzene	13.095	156	813655	91.93	ug/L	#	78
90) 1,1,2,2-Tetrachloroethane	13.119	83	1270579	99.98	ug/L		99
91) 1,3,5-Trimethylbenzene	13.180	105	2616852	101.64	ug/L		97
92) 2-Chlorotoluene	13.205	91	2664140	98.38	ug/L		97
93) trans-1,4-Dichloro-2-B...	13.241	53	370625	113.57	ug/L	#	85
94) 1,2,3-Trichloropropane	13.235	110	417079	97.61	ug/L		94
95) Cyclohexanone	13.290	55	448609	487.44	ug/L		95
96) 4-Chlorotoluene	13.314	91	2414605	99.81	ug/L		99
97) tert-Butylbenzene	13.411	91	1331613	99.84	ug/L		93
98) 1,2,4-Trimethylbenzene	13.454	105	2642770	104.64	ug/L		93
99) Pentachloroethane	13.466	167	406612	103.69	ug/L		91
100) sec-Butylbenzene	13.533	105	2688333	103.60	ug/L		99
101) 4-Isopropyltoluene	13.612	119	2215665	104.34	ug/L		97
102) 1,3-Dichlorobenzene	13.728	146	1388457	96.37	ug/L		100
103) 1,2,3-Trimethylbenzene	13.764	105	1285070	99.50	ug/L		99
104) 1,4-Dichlorobenzene	13.783	146	1500959	95.50	ug/L		98
105) n-Butylbenzene	13.898	92	949864	106.39	ug/L		97
106) Benzyl Chloride	13.935	126	532092	97.43	ug/L		95
107) 1,2-Dichlorobenzene	14.075	146	1426806	97.98	ug/L		99
108) 1,2-Dibromo-3-Chloropr...	14.598	75	307975	107.33	ug/L		83
109) Hexachlorobutadiene	15.005	225	168722	99.36	ug/L		95
110) 1,2,4-Trichlorobenzene	15.066	180	663775	95.46	ug/L		98
111) Naphthalene	15.310	128	3414732	97.38	ug/L		100
112) 1,2,3-Trichlorobenzene	15.456	180	640749	93.35	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64577.D
Acq On : 8 Sep 2022 4:31 pm
Operator : joannel
Sample : IC2677-7 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 12 09:39:54 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration



Manual Integration Approval Summary

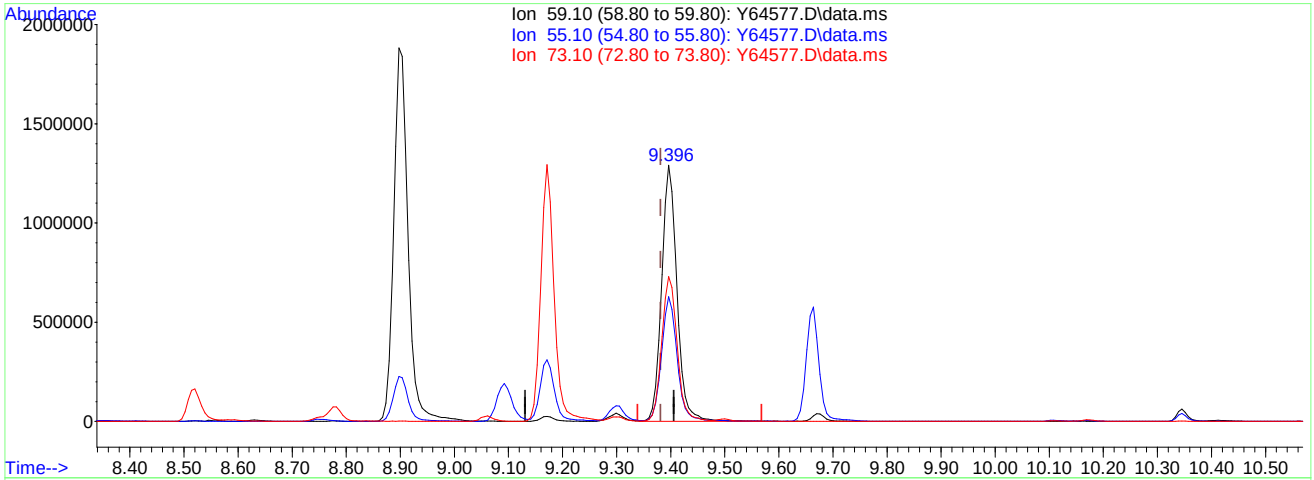
Sample Number: VY2677-IC2677
Lab FileID: Y64577.D
Injection Time: 09/08/22 16:31
Method: SW846 8260D
Analyst approved: 09/12/22 09:56 Jo-Ann Lugo De Jesus
Supervisor approved: 09/12/22 12:51 Karen Watson

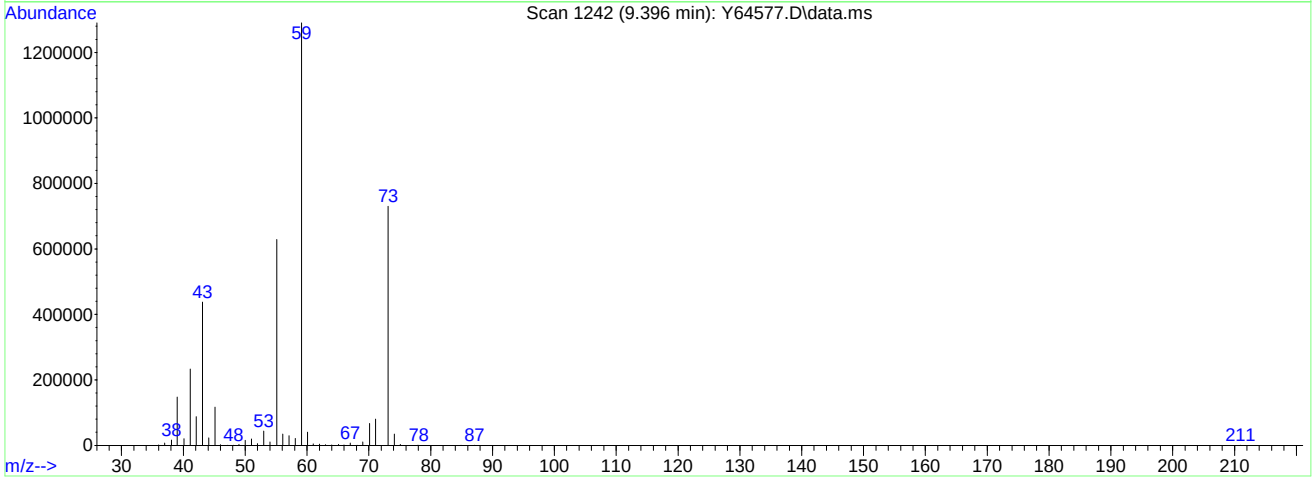
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert-Amyl Alcohol	75-85-4		9.40	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64577.D
Acq On : 8 Sep 2022 4:31 pm
Operator : joannel
Sample : IC2677-7 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 12 09:39:54 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 09 10:23:23 2022
Response via : Initial Calibration





TIC: Y64577.D\data.ms

(52) Tert Amyl Alcohol

9.396min (+0.015) 985.06ug/L m

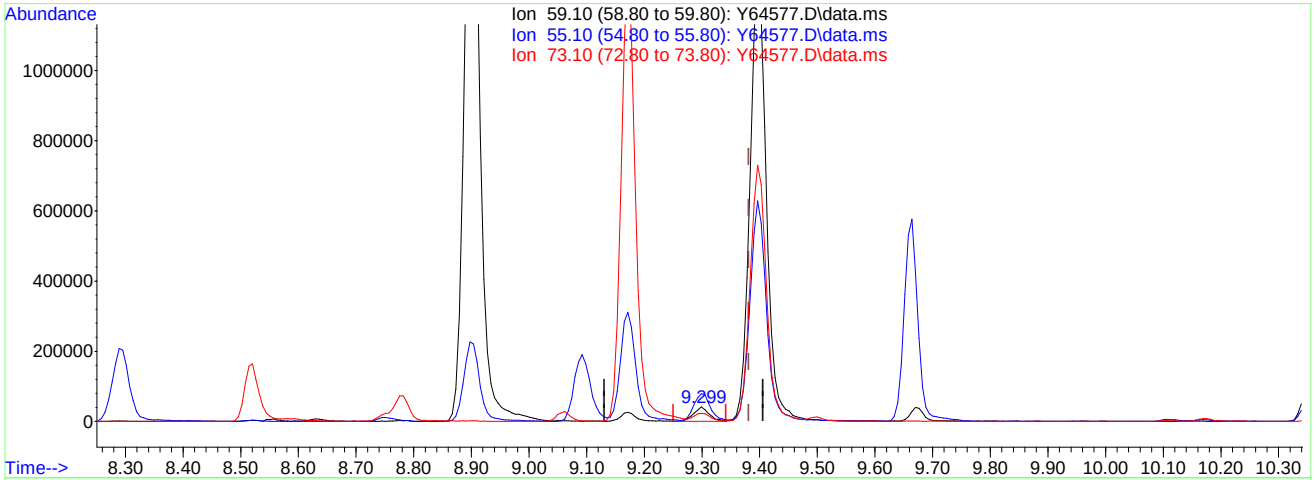
response 2535481

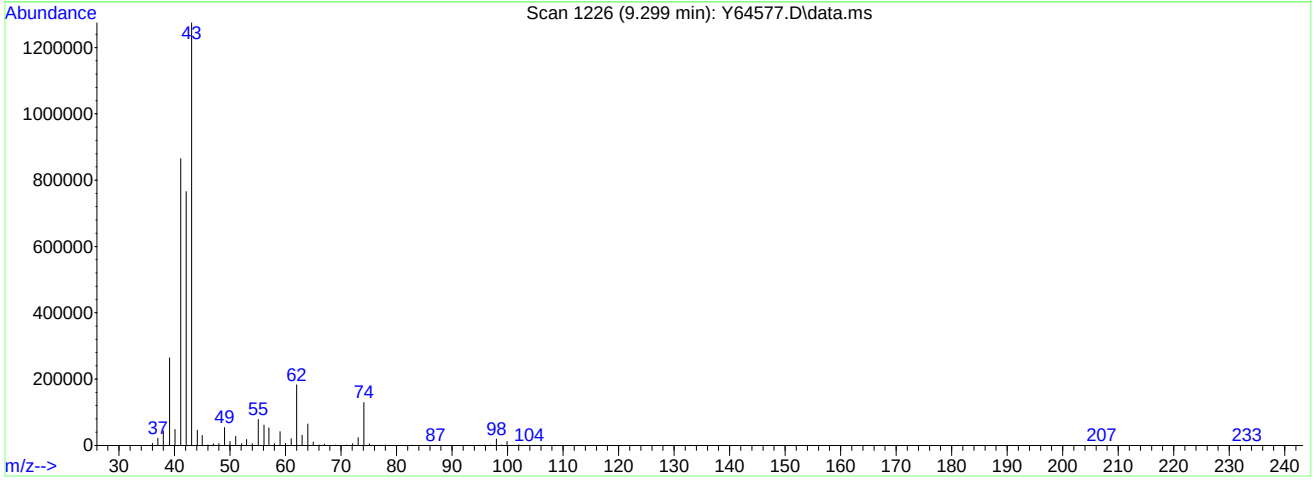
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	48.71
73.10	57.50	56.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64577.D
Acq On : 8 Sep 2022 4:31 pm
Operator : joannel
Sample : IC2677-7 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 12 10:44:12 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration





TIC: Y64577.D\data.ms

(52) Tert Amyl Alcohol

9.299min (-0.082) 40.95ug/L

response 75645

Ion	Exp%	Act%
59.10	100	100
55.10	50.60	182.57#
73.10	57.50	51.13
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/12/22 12:51

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64579.D
Acq On : 8 Sep 2022 5:21 pm
Operator : joannel
Sample : ICV2677-5 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 09:53:40 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.499	96	1284881	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.151	117	986100	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.770	152	494958	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.605	113	282162	50.42	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.84%			
49) 1,2-Dichloroethane-d4	9.207	65	363555	50.05	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.10%			
63) Toluene-d8	10.935	98	1251728	49.61	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.22%			
86) 4-Bromofluorobenzene	13.009	174	394164	48.93	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.850	85	175378	33.58	ug/L	100
3) Acrolein	5.587	56	304250	189.92	ug/L	91
4) Chloromethane	3.172	50	249722	35.89	ug/L	100
5) 1,3-butadiene	3.342	39	278492	46.86	ug/L	96
6) Vinyl Chloride	3.312	62	251738	35.15	ug/L	98
7) Bromomethane	3.835	94	81328	35.88	ug/L	97
8) Chloroethane	4.024	64	84991	33.16	ug/L	93
9) Trichlorofluoromethane	4.237	101	350288	43.95	ug/L	100
10) Ethyl Ether	4.760	59	216432	34.97	ug/L	94
11) Ethanol	5.034	45	173063	823.05	ug/L	95
12) 1,2-Dichlorotrifluoroe...	5.046	67	243796	32.60	ug/L	95
13) 1,1-Dichloroethene	5.046	61	320838	36.97	ug/L	99
14) Freon 113	5.107	101	194391	33.76	ug/L	94
15) Carbon Disulfide	5.094	76	560343	34.55	ug/L	100
16) Iodomethane	5.277	142	63547	33.99	ug/L	99
17) Allyl chloride	5.788	41	348201	45.81	ug/L	96
18) Methylene Chloride	5.958	49	376962	35.89	ug/L	97
19) Acetone	6.043	43	725605	213.27	ug/L	93
20) Methyl acetate	6.232	43	1682087	212.82	ug/L	99
21) trans-1,2-Dichloroethene	6.220	61	323531	38.04	ug/L	98
22) Hexane	6.329	56	165628	35.25	ug/L	95
23) Methyl Tert Butyl Ether	6.384	73	766510	37.84	ug/L	93
24) Tert Butyl Alcohol	6.555	59	857031	392.81	ug/L	99
25) Acetonitrile	6.792	41	636152	397.07	ug/L	100
26) Di-isopropyl ether	6.993	45	816112	37.09	ug/L	98
27) Chloroprene	7.175	53	312071	212.91	ug/L	94
28) 1,1-Dichloroethane	7.212	63	439469	39.13	ug/L	99
29) Acrylonitrile	7.303	53	743177	197.12	ug/L	99
30) ETBE	7.583	59	772394	36.76	ug/L	99
31) Vinyl acetate	7.601	43	3202328	195.74	ug/L	99
32) cis-1,2-Dichloroethene	8.027	96	263460	37.35	ug/L	93
33) 2,2-Dichloropropane	8.167	77	333561	35.89	ug/L	99
34) Bromochloromethane	8.294	128	115940	38.00	ug/L	98
35) Cyclohexane	8.294	56	426202	35.37	ug/L	98
36) Chloroform	8.380	83	406948	36.85	ug/L	94
37) Ethyl acetate	8.513	43	2265142	202.68	ug/L	100
38) Tetrahydrofuran	8.586	42	183968	39.34	ug/L	97
40) Carbon Tetrachloride	8.556	117	275753	36.84	ug/L	98
41) 1,1,1-Trichloroethane	8.635	97	356254	36.81	ug/L	98
42) 2-Butanone	8.745	43	1280617	212.14	ug/L	97
43) 1,1-Dichloropropene	8.781	75	332690	36.71	ug/L	98
44) tert-Butyl formate	8.897	59	950693	167.24	ug/L	98
45) Propionitrile	9.085	54	784781	421.21	ug/L	99
46) Methacrylonitrile	9.103	41	2638398	407.04	ug/L	99
47) Benzene	9.061	78	1053504	36.60	ug/L	98
48) TAME	9.170	73	783201	39.37	ug/L	98
50) Isobutyl Alcohol	9.286	42	506971	832.88	ug/L	97
51) 1,2-Dichloroethane	9.280	62	339496	38.99	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64579.D
Acq On : 8 Sep 2022 5:21 pm
Operator : joannel
Sample : ICV2677-5 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 09:53:40 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration

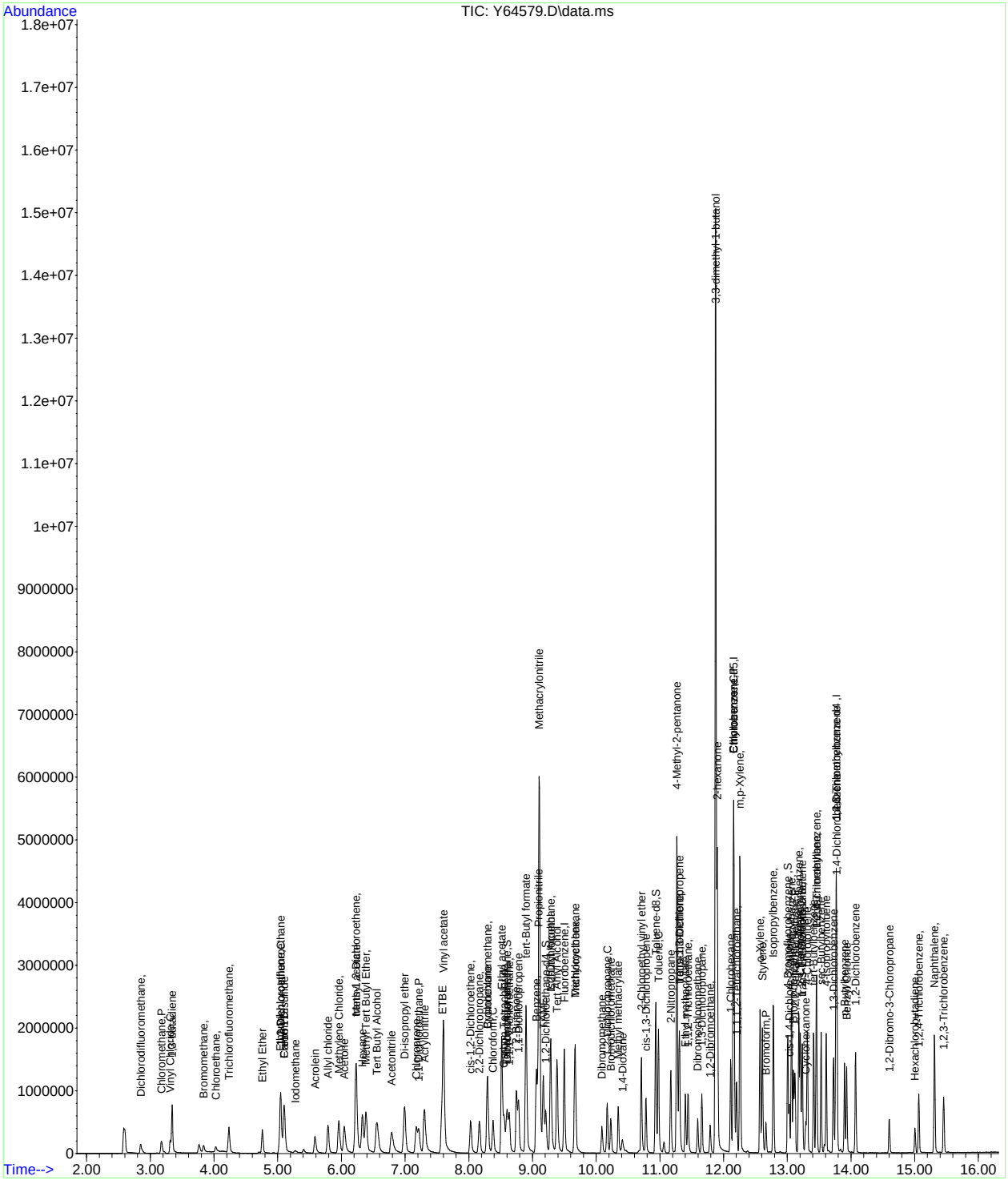
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	9.383	59	821613m	407.89	ug/L		
53) Trichloroethene	9.675	95	264271	38.65	ug/L		99
54) Methylcyclohexane	9.663	83	405700	35.50	ug/L		94
55) Dibromomethane	10.089	93	142619	36.37	ug/L		97
56) 1,2-Dichloropropane	10.174	63	246684	36.58	ug/L		95
57) Bromodichloromethane	10.229	83	295488	40.61	ug/L		99
58) Methyl methacrylate	10.345	41	319590	42.73	ug/L		98
59) 1,4-Dioxane	10.411	88	166117	819.04	ug/L		92
60) 2-Chloroethyl vinyl ether	10.710	63	515885	213.84	ug/L		96
61) cis-1,3-Dichloropropene	10.783	75	395574	39.92	ug/L		98
64) Toluene	10.977	91	1137794	36.26	ug/L		98
65) 2-Nitropropane	11.172	41	599942	215.13	ug/L		94
66) 4-Methyl-2-pentanone	11.263	43	2620830	214.98	ug/L		98
67) trans-1,3-Dichloropropene	11.312	75	383779	44.50	ug/L		98
68) Tetrachloroethene	11.306	166	296677	38.15	ug/L		98
69) Ethyl methacrylate	11.397	69	395691	40.88	ug/L		98
70) 1,1,2-Trichloroethane	11.440	83	202899	37.10	ug/L		98
71) Dibromochloromethane	11.592	129	220842	39.75	ug/L		98
72) 1,3-Dichloropropane	11.659	76	416658	35.70	ug/L		99
73) 1,2-Dibromoethane	11.786	107	247392	39.74	ug/L		98
74) 3,3-dimethyl-1-butanol	11.878	57	5427197m	1996.60	ug/L		
75) 2-hexanone	11.902	43	3112363	238.80	ug/L		99
76) 1-Chlorohexane	12.109	91	359473	39.10	ug/L		95
77) Ethylbenzene	12.157	91	1352207	38.15	ug/L		99
78) Chlorobenzene	12.163	112	727372	37.91	ug/L		96
79) 1,1,1,2-Tetrachloroethane	12.206	131	241714	39.80	ug/L		97
80) m,p-Xylene	12.255	91	2085561	78.64	ug/L		97
81) o-Xylene	12.571	91	1002886	39.92	ug/L		96
82) Styrene	12.608	104	738417	41.57	ug/L		96
83) Bromoform	12.668	173	169245	40.93	ug/L		96
84) Isopropylbenzene	12.784	105	1191457	40.71	ug/L		99
87) cis-1,4-Dichloro-2-butene	13.033	53	124821	39.93	ug/L	#	89
88) n-Propylbenzene	13.064	91	1373575	39.38	ug/L		98
89) Bromobenzene	13.100	156	270685	35.46	ug/L		92
90) 1,1,2,2-Tetrachloroethane	13.119	83	423480	38.63	ug/L		98
91) 1,3,5-Trimethylbenzene	13.179	105	858163	38.64	ug/L		99
92) 2-Chlorotoluene	13.204	91	893902	38.27	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.240	53	112527	39.98	ug/L	#	83
94) 1,2,3-Trichloropropane	13.234	110	132879	36.05	ug/L		96
95) Cyclohexanone	13.289	55	152792	192.48	ug/L		91
96) 4-Chlorotoluene	13.313	91	804382	38.55	ug/L		99
97) tert-Butylbenzene	13.411	91	453031	39.38	ug/L		96
98) 1,2,4-Trimethylbenzene	13.453	105	868847	39.89	ug/L		94
99) Pentachloroethane	13.465	167	144556	42.74	ug/L		91
100) sec-Butylbenzene	13.532	105	948315	42.37	ug/L		98
101) 4-Isopropyltoluene	13.611	119	776717	42.41	ug/L		98
102) 1,3-Dichlorobenzene	13.727	146	483409	38.90	ug/L		99
103) 1,2,3-Trimethylbenzene	13.763	105	922465	81.90	ug/L		98
104) 1,4-Dichlorobenzene	13.782	146	504134	37.19	ug/L		99
105) n-Butylbenzene	13.897	92	314918	40.90	ug/L		98
106) Benzyl Chloride	13.934	126	148972	36.24	ug/L		97
107) 1,2-Dichlorobenzene	14.074	146	485766	38.67	ug/L		98
108) 1,2-Dibromo-3-Chloropr...	14.597	75	98952	39.98	ug/L		84
109) Hexachlorobutadiene	15.004	225	56041	38.26	ug/L		89
110) 1,2,4-Trichlorobenzene	15.065	180	234828	39.16	ug/L		99
111) Naphthalene	15.309	128	1191366	39.39	ug/L		98
112) 1,2,3-Trichlorobenzene	15.455	180	232628	39.29	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64579.D
Acq On : 8 Sep 2022 5:21 pm
Operator : joannel
Sample : ICV2677-5 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 09:53:40 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration



Manual Integration Approval Summary

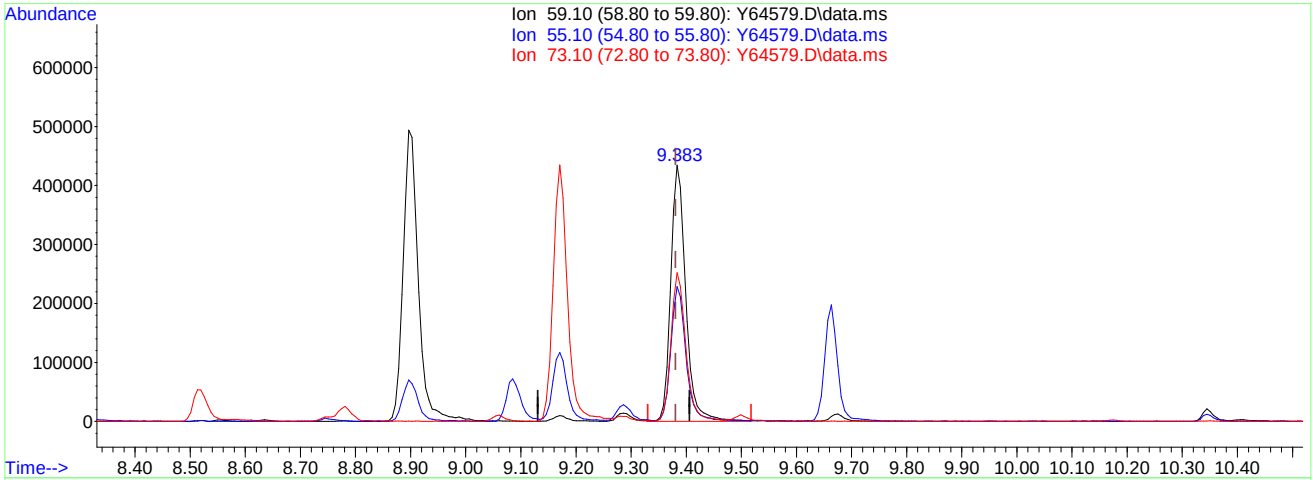
Sample Number: VY2677-ICV2677
Lab FileID: Y64579.D
Injection Time: 09/08/22 17:21
Method: SW846 8260D
Analyst approved: 09/12/22 09:56 Jo-Ann Lugo De Jesus
Supervisor approved: 09/12/22 12:51 Karen Watson

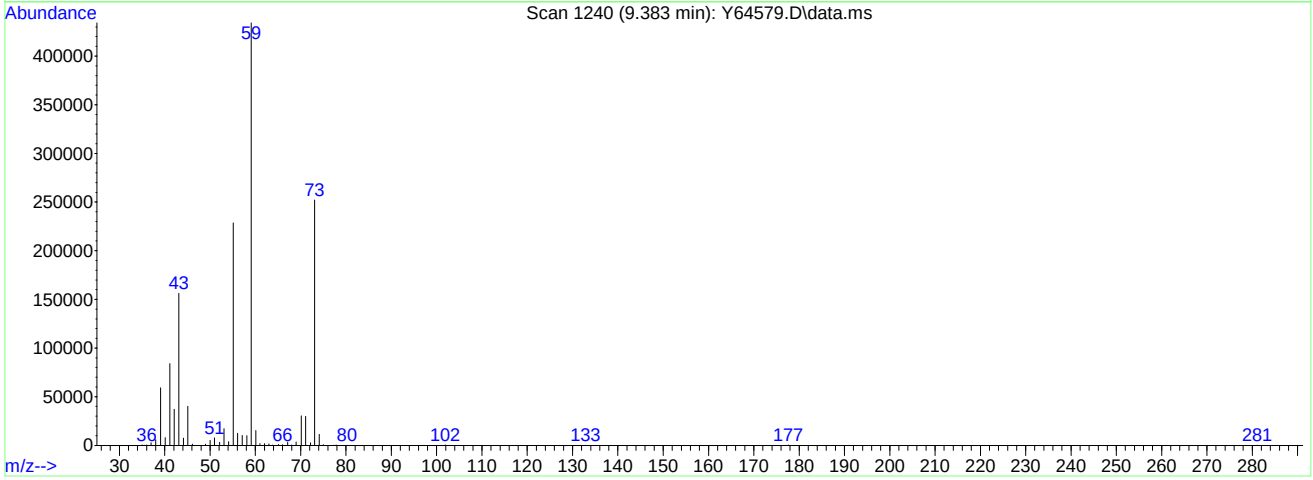
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.88	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64579.D
Acq On : 8 Sep 2022 5:21 pm
Operator : joannel
Sample : ICV2677-5 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 09:53:40 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration





TIC: Y64579.D\data.ms

(52) Tert Amyl Alcohol

9.383min (+0.002) 407.89ug/L m

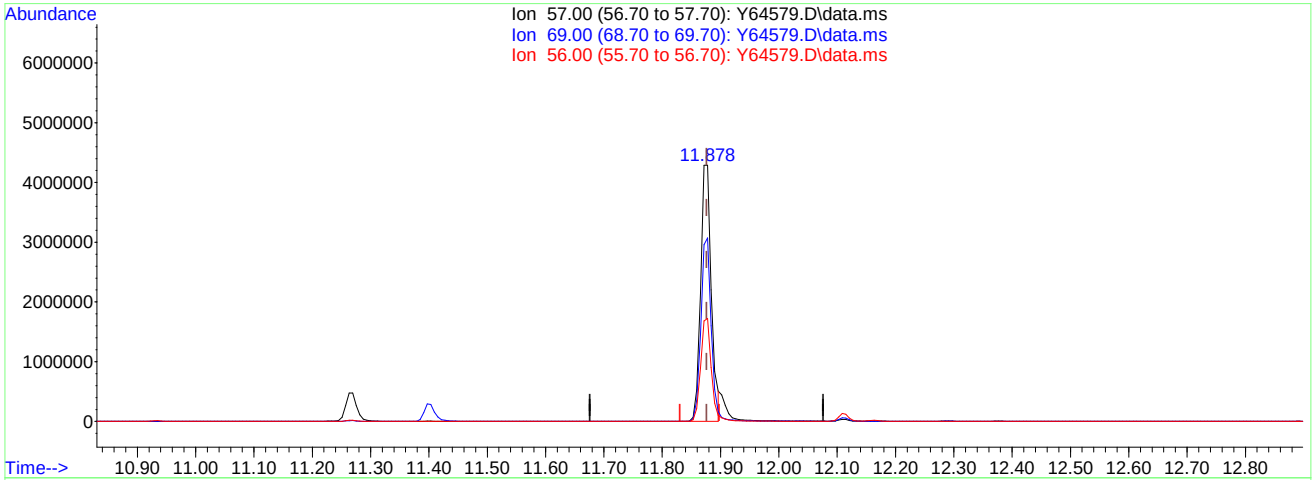
response 821613

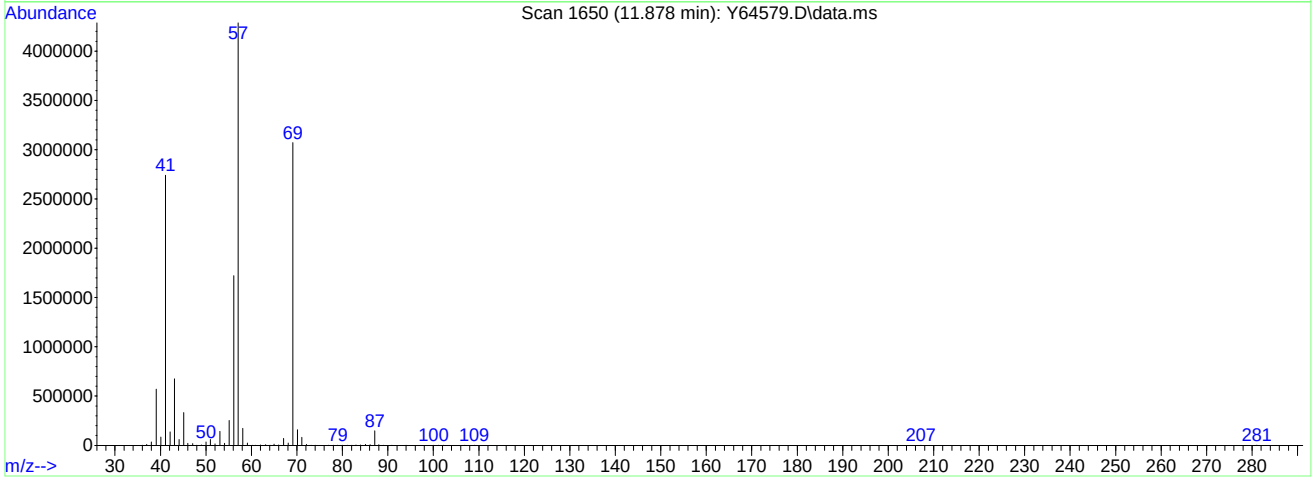
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	52.63
73.10	57.50	58.04
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64579.D
Acq On : 8 Sep 2022 5:21 pm
Operator : joannel
Sample : ICV2677-5 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 09:53:40 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration





TIC: Y64579.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.878min (+0.002) 1996.60ug/L m

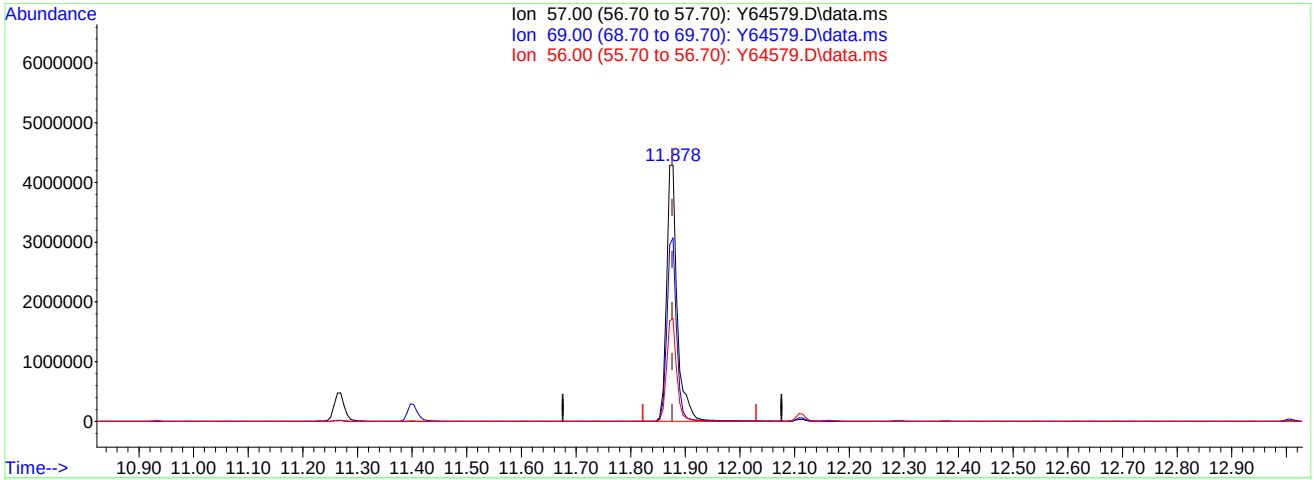
response 5427197

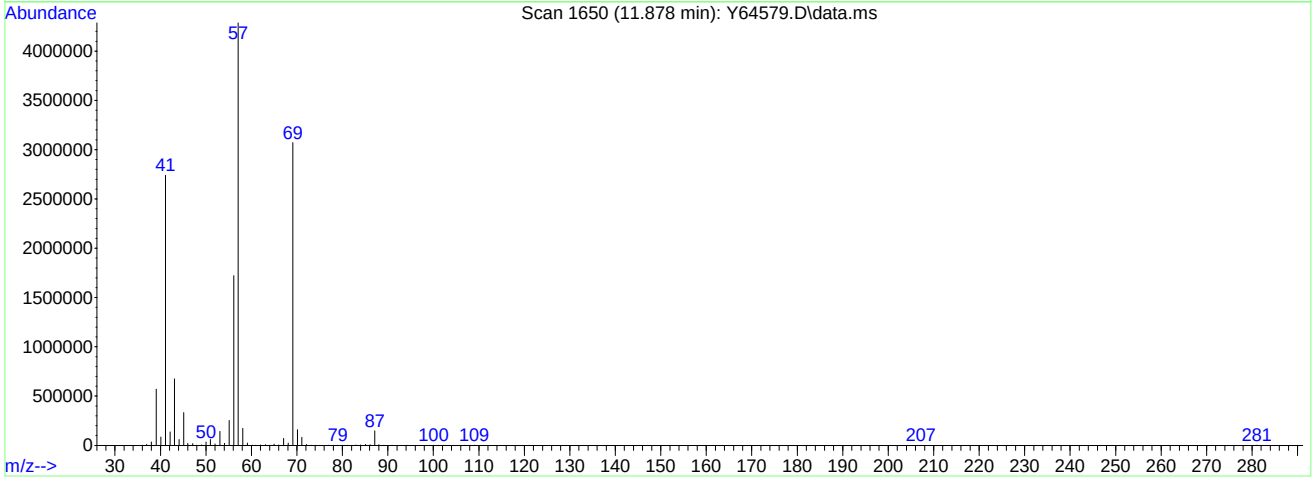
Ion	Exp%	Act%
57.00	100	100
69.00	71.90	71.61
56.00	40.00	40.17
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64579.D
Acq On : 8 Sep 2022 5:21 pm
Operator : joannel
Sample : ICV2677-5 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 10:44:13 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration





TIC: Y64579.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.878min (+0.002) 2110.72ug/L

response 5855423

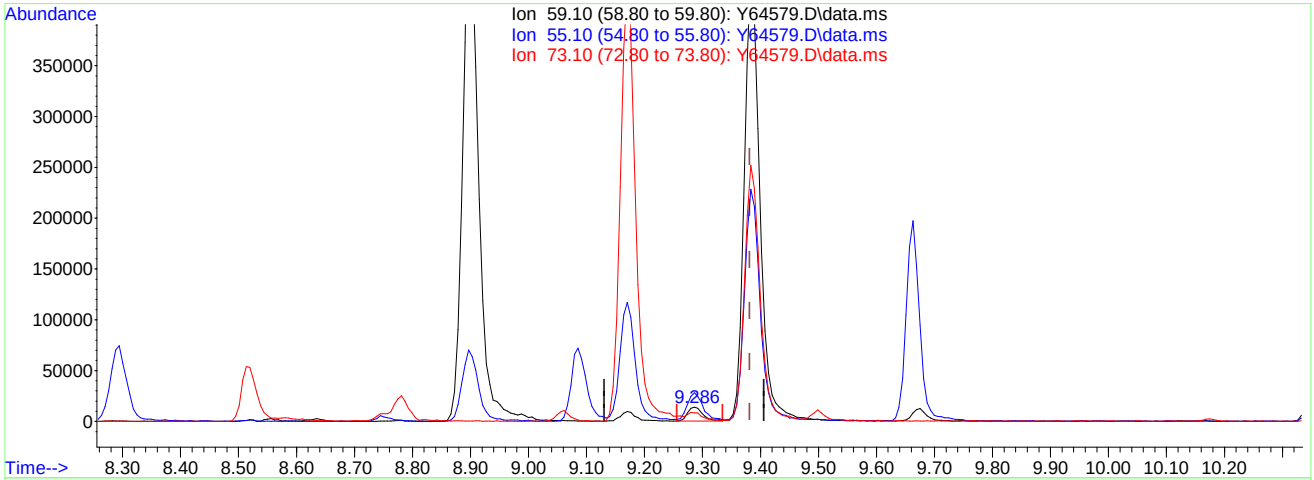
Ion	Exp%	Act%
57.00	100	100
69.00	71.90	71.61
56.00	40.00	40.16
0.00	0.00	0.00

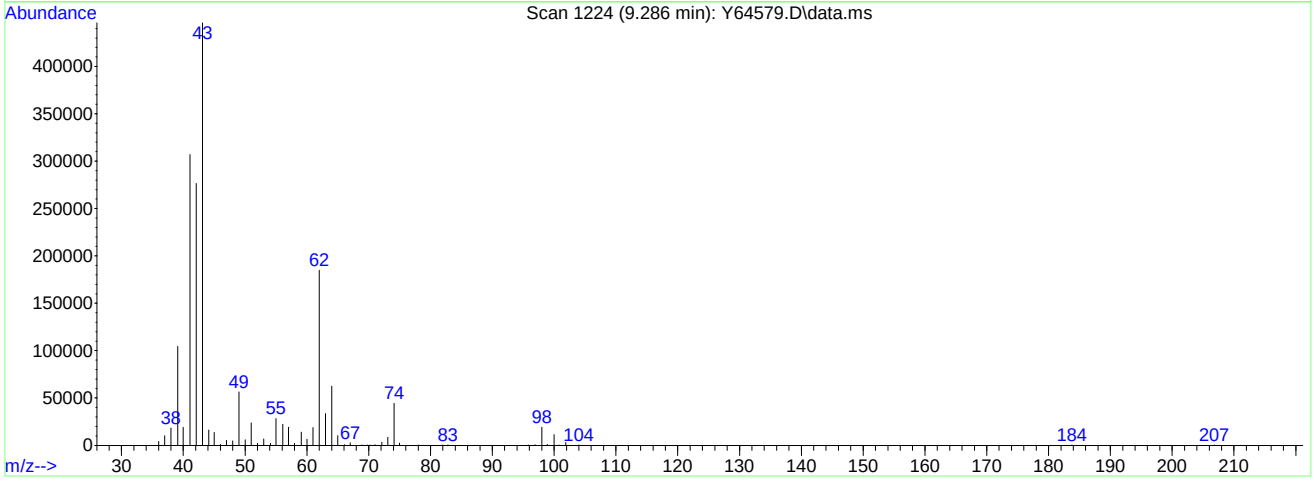
Y64579.D edits: 3,3-dimethyl-1-butanol

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-08\
Data File : Y64579.D
Acq On : 8 Sep 2022 5:21 pm
Operator : joannel
Sample : ICV2677-5 Inst : MSVOA14-Y
Misc : MS52338,VY2677,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 10:44:13 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Mon Sep 12 09:52:53 2022
Response via : Initial Calibration





TIC: Y64579.D\data.ms

(52) Tert Amyl Alcohol

9.286min (-0.095) 14.87ug/L

response 25678

Ion	Exp%	Act%
59.10	100	100
55.10	50.60	191.76#
73.10	57.50	55.51
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Fereira 09/14/22 03:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64612.D
Acq On : 10 Sep 2022 10:58 am
Operator : adeladl
Sample : CC2677-5
Misc : MS52320,VY2680,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 19:58:49 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	1070177	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	822886	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	417580	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	231847	49.74	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.48%		
49) 1,2-Dichloroethane-d4	9.205	65	291239	48.14	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	96.28%		
63) Toluene-d8	10.933	98	1052496	49.99	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	99.98%		
86) 4-Bromofluorobenzene	13.007	174	339895	50.01	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	100.02%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	195617	44.52	ug/L	93
3) Acrolein	5.579	56	283915	210.62	ug/L	96
4) Chloromethane	3.170	50	226235	39.07	ug/L	99
5) 1,3-butadiene	3.341	39	206751	41.41	ug/L	98
6) Vinyl Chloride	3.310	62	247462	41.48	ug/L	98
7) Bromomethane	3.833	94	78637	41.66	ug/L	96
8) Chloroethane	4.022	64	86871	41.69	ug/L	96
9) Trichlorofluoromethane	4.235	101	312330	47.05	ug/L	97
10) Ethyl Ether	4.752	59	202563	39.30	ug/L	97
11) Ethanol	5.014	45	154605m	873.02	ug/L	
12) 1,2-Dichlorotrifluoroe...	5.044	67	256786	41.22	ug/L	98
13) 1,1-Dichloroethene	5.044	61	289451	40.05	ug/L	99
14) Freon 113	5.105	101	208643	43.42	ug/L	93
15) Carbon Disulfide	5.099	76	550880	40.78	ug/L	99
16) Iodomethane	5.275	142	95396	51.44	ug/L	91
17) Allyl chloride	5.786	41	254269	40.16	ug/L	96
18) Methylene Chloride	5.957	49	305764	34.95	ug/L	96
19) Acetone	6.042	43	572102	201.89	ug/L	98
20) Methyl acetate	6.230	43	1371194	208.29	ug/L	98
21) trans-1,2-Dichloroethene	6.218	61	293753	41.47	ug/L	95
22) Hexane	6.328	56	173825	44.10	ug/L	96
23) Methyl Tert Butyl Ether	6.376	73	668081	39.60	ug/L	83
24) Tert Butyl Alcohol	6.547	59	725360	398.96	ug/L	96
25) Acetonitrile	6.784	41	522795	392.00	ug/L	98
26) Di-isopropyl ether	6.985	45	727196	39.68	ug/L	96
27) Chloroprene	7.173	53	50358	41.25	ug/L	96
28) 1,1-Dichloroethane	7.210	63	373345	39.91	ug/L	98
29) Acrylonitrile	7.295	53	636854	202.46	ug/L	99
30) ETBE	7.575	59	691874	39.53	ug/L	99
31) Vinyl acetate	7.599	43	2709304	198.58	ug/L	99
32) cis-1,2-Dichloroethene	8.025	96	230121	39.17	ug/L	95
33) 2,2-Dichloropropane	8.165	77	318415	41.13	ug/L	98
34) Bromochloromethane	8.293	128	99623	39.20	ug/L	92
35) Cyclohexane	8.293	56	415301	41.37	ug/L	97
36) Chloroform	8.378	83	348290	37.87	ug/L	94
37) Ethyl acetate	8.512	43	1856247	199.62	ug/L	99
38) Tetrahydrofuran	8.585	42	157313	40.25	ug/L	96
40) Carbon Tetrachloride	8.554	117	256627	41.17	ug/L	94
41) 1,1,1-Trichloroethane	8.633	97	324822	40.29	ug/L	99
42) 2-Butanone	8.743	43	1005142	200.74	ug/L	98
43) 1,1-Dichloropropene	8.779	75	312426	41.39	ug/L	99
44) tert-Butyl formate	8.895	59	975540	202.30	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64612.D
Acq On : 10 Sep 2022 10:58 am
Operator : adeladl
Sample : CC2677-5
Misc : MS52320,VY2680,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 19:58:49 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	9.084	54	629972	405.96	ug/L		97
46)	Methacrylonitrile	9.102	41	2151040	398.43	ug/L		98
47)	Benzene	9.059	78	933987	38.96	ug/L		99
48)	TAME	9.169	73	655735	39.57	ug/L		97
50)	Isobutyl Alcohol	9.278	42	405695	803.80	ug/L		97
51)	1,2-Dichloroethane	9.278	62	289190	39.87	ug/L		98
52)	Tert Amyl Alcohol	9.382	59	682232m	407.21	ug/L		
53)	Trichloroethene	9.674	95	232354	40.78	ug/L		93
54)	Methylcyclohexane	9.661	83	402673	42.31	ug/L		98
55)	Dibromomethane	10.087	93	127525	39.04	ug/L		92
56)	1,2-Dichloropropane	10.172	63	224578	39.98	ug/L		95
57)	Bromodichloromethane	10.227	83	248416	40.99	ug/L		98
58)	Methyl methacrylate	10.343	41	248888	40.19	ug/L		97
59)	1,4-Dioxane	10.410	88	136215	806.47	ug/L		97
60)	2-Chloroethyl vinyl ether	10.708	63	427301	212.74	ug/L		99
61)	cis-1,3-Dichloropropene	10.781	75	337993	40.96	ug/L		95
64)	Toluene	10.975	91	1009192	38.54	ug/L		99
65)	2-Nitropropane	11.170	41	491628	211.25	ug/L		95
66)	4-Methyl-2-pentanone	11.261	43	2131076	209.48	ug/L		99
67)	trans-1,3-Dichloropropene	11.310	75	306441	42.58	ug/L		85
68)	Tetrachloroethene	11.304	166	264232	40.72	ug/L		99
69)	Ethyl methacrylate	11.401	69	322559	39.98	ug/L		99
70)	1,1,2-Trichloroethane	11.438	83	171944	37.68	ug/L		96
71)	Dibromochloromethane	11.590	129	196218	42.32	ug/L		98
72)	1,3-Dichloropropane	11.657	76	375676	38.58	ug/L		99
73)	1,2-Dibromoethane	11.791	107	213990	41.19	ug/L		100
74)	3,3-dimethyl-1-butanol	11.870	57	4861960m	2103.32	ug/L		
75)	2-hexanone	11.900	43	2613620	239.77	ug/L		100
76)	1-Chlorohexane	12.113	91	321188	41.86	ug/L		97
77)	Ethylbenzene	12.156	91	1141955	38.61	ug/L		99
78)	Chlorobenzene	12.162	112	610222	38.11	ug/L		99
79)	1,1,1,2-Tetrachloroethane	12.204	131	208309	41.10	ug/L		99
80)	m,p-Xylene	12.259	91	1754917	79.30	ug/L		99
81)	o-Xylene	12.569	91	816495	38.94	ug/L		99
82)	Styrene	12.606	104	619712	41.81	ug/L		97
83)	Bromoform	12.667	173	144210	41.69	ug/L		97
84)	Isopropylbenzene	12.782	105	973162	39.85	ug/L		98
87)	cis-1,4-Dichloro-2-butene	13.032	53	100618	38.15	ug/L		96
88)	n-Propylbenzene	13.062	91	1105075	37.55	ug/L		98
89)	Bromobenzene	13.093	156	245546	38.12	ug/L	#	79
90)	1,1,2,2-Tetrachloroethane	13.117	83	361641	39.11	ug/L		98
91)	1,3,5-Trimethylbenzene	13.178	105	712471	38.03	ug/L		98
92)	2-Chlorotoluene	13.202	91	734499	37.27	ug/L		99
93)	trans-1,4-Dichloro-2-B...	13.239	53	96706	40.72	ug/L	#	84
94)	1,2,3-Trichloropropane	13.232	110	120518	38.76	ug/L		96
95)	Cyclohexanone	13.287	55	136138	203.28	ug/L		96
96)	4-Chlorotoluene	13.312	91	662845	37.65	ug/L		98
97)	tert-Butylbenzene	13.415	91	365420	37.65	ug/L		99
98)	1,2,4-Trimethylbenzene	13.458	105	719371	39.14	ug/L		100
99)	Pentachloroethane	13.464	167	117056	41.02	ug/L		94
100)	sec-Butylbenzene	13.531	105	724985	38.39	ug/L		99
101)	4-Isopropyltoluene	13.610	119	604041	39.09	ug/L		98
102)	1,3-Dichlorobenzene	13.725	146	406171	38.74	ug/L		99
103)	1,2,3-Trimethylbenzene	13.762	105	363931	39.16	ug/L		98
104)	1,4-Dichlorobenzene	13.780	146	433214	37.88	ug/L		99
105)	n-Butylbenzene	13.896	92	271611	41.81	ug/L		97
106)	Benzyl Chloride	13.932	126	147630	41.99	ug/L		98
107)	1,2-Dichlorobenzene	14.072	146	427345	40.33	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64612.D
Acq On : 10 Sep 2022 10:58 am
Operator : adeladl
Sample : CC2677-5
Misc : MS52320,VY2680,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 19:58:49 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

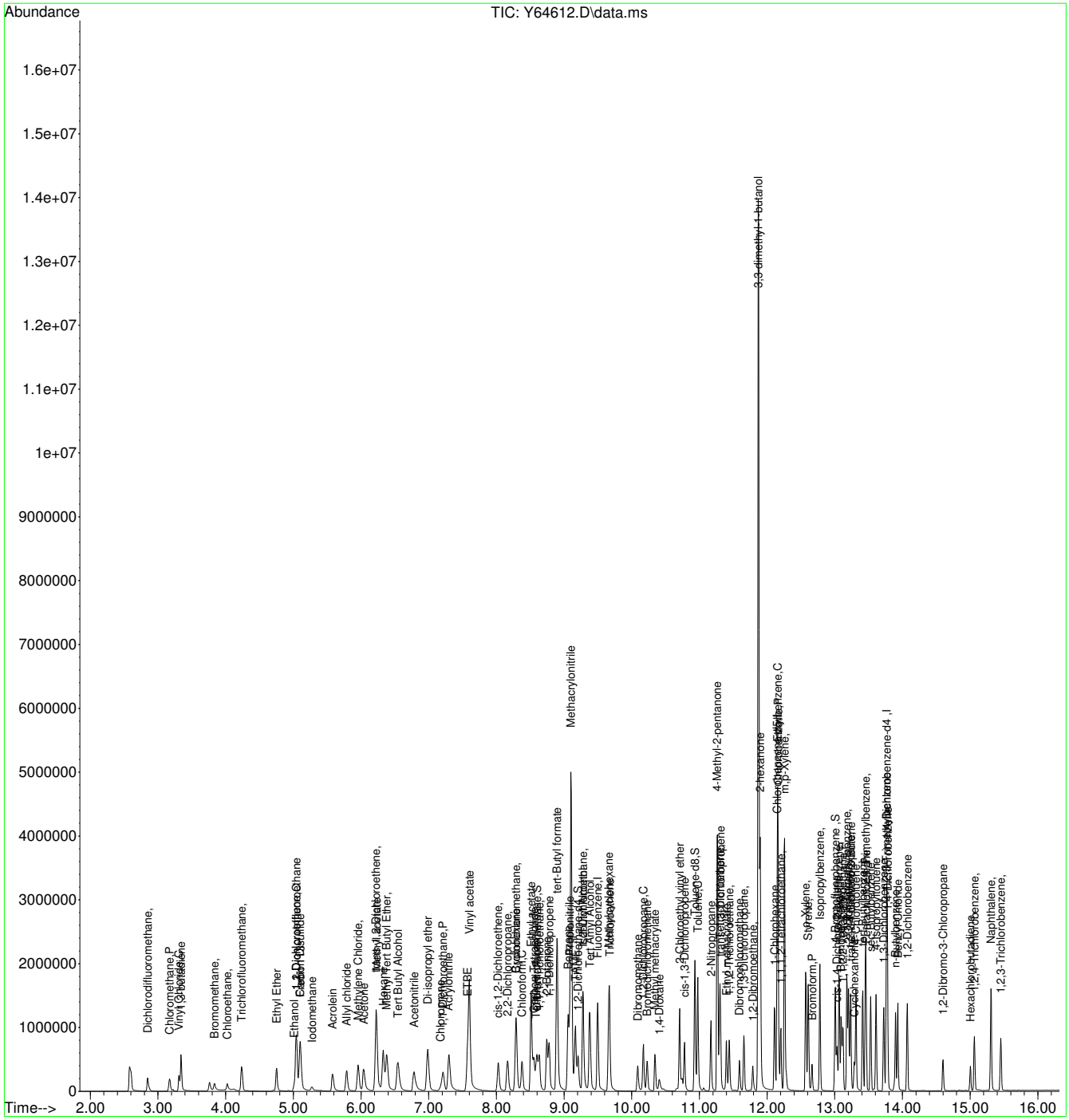
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.601	75	87489	41.90	ug/L	94
109) Hexachlorobutadiene	15.003	225	52463	42.46	ug/L	92
110) 1,2,4-Trichlorobenzene	15.064	180	210491	41.60	ug/L	98
111) Naphthalene	15.307	128	1019511	39.96	ug/L	98
112) 1,2,3-Trichlorobenzene	15.453	180	204900	41.02	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64612.D
Acq On : 10 Sep 2022 10:58 am
Operator : adeladl
Sample : CC2677-5
Misc : MS52320,VY2680,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 19:58:49 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



Manual Integration Approval Summary

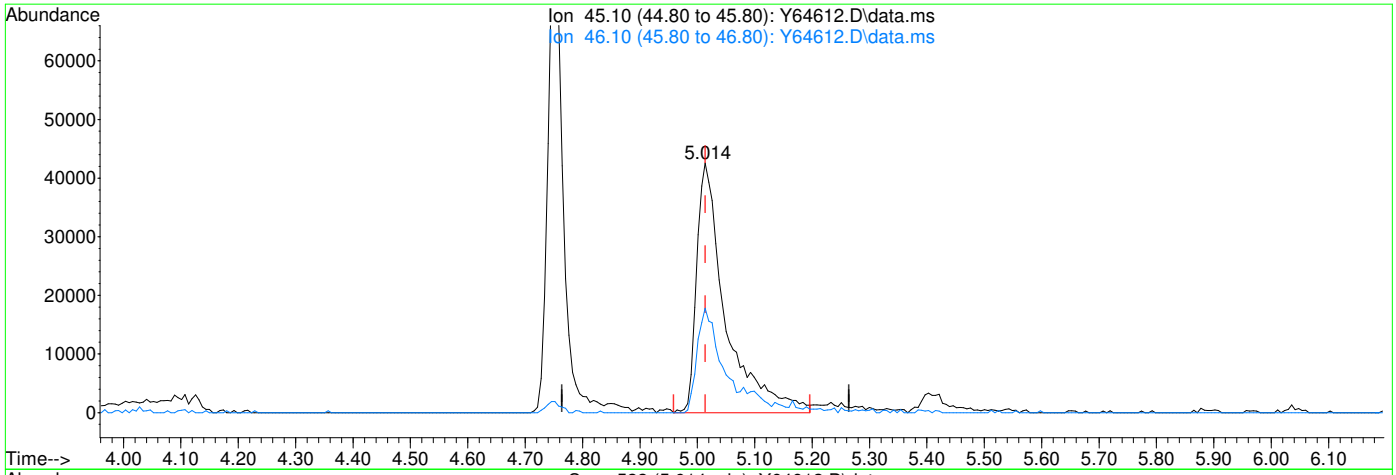
Sample Number: VY2680-CC2677
Lab FileID: Y64612.D
Injection Time: 09/10/22 10:58
Method: SW846 8260D
Analyst approved: 09/13/22 02:11 Jennifer Fereira
Supervisor approved: 09/14/22 03:47 Jennifer Fereira

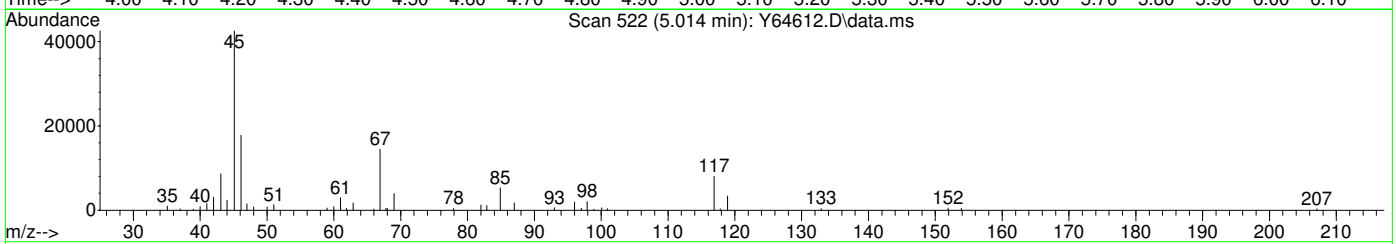
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

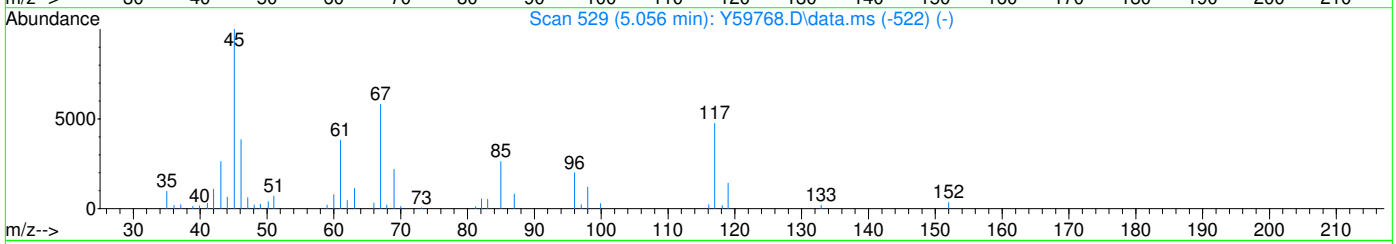
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64612.D
Acq On : 10 Sep 2022 10:58 am
Operator : adeladl
Sample : CC2677-5
Misc : MS52320,VY2680,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 19:56:26 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64612.D\data.ms

(11) Ethanol

5.014min (-0.000) 843.99ug/L

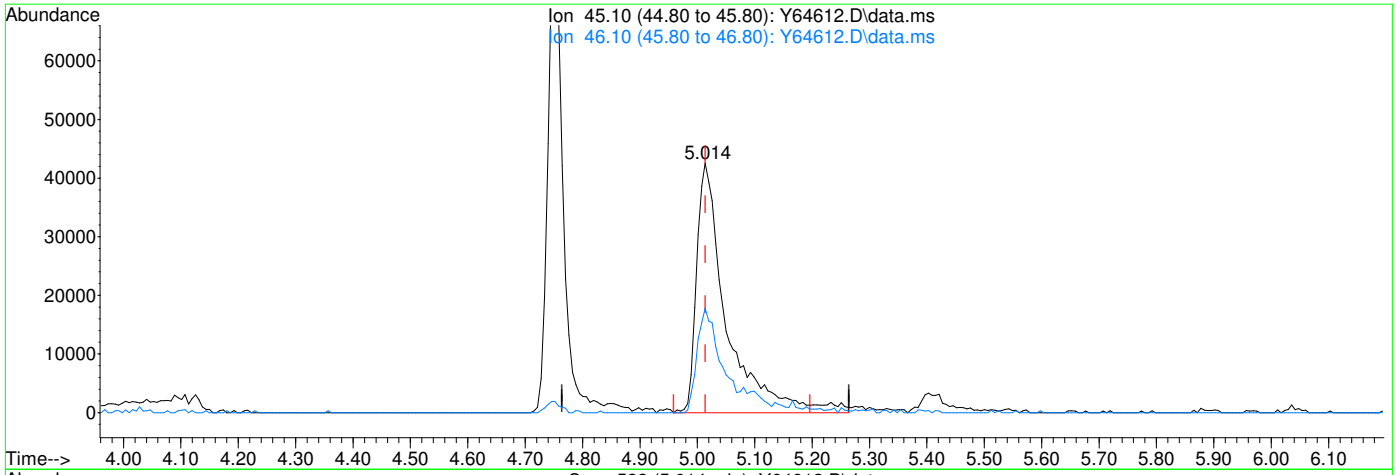
response 149463

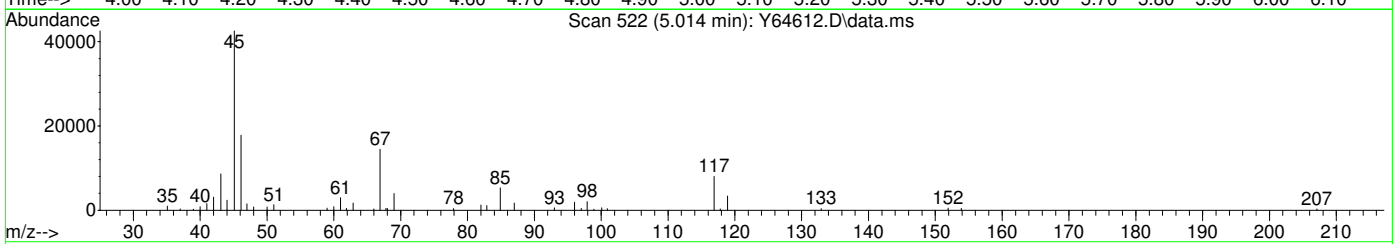
Ion	Exp%	Act%
45.10	100	100
46.10	40.10	41.85
0.00	0.00	0.00
0.00	0.00	0.00

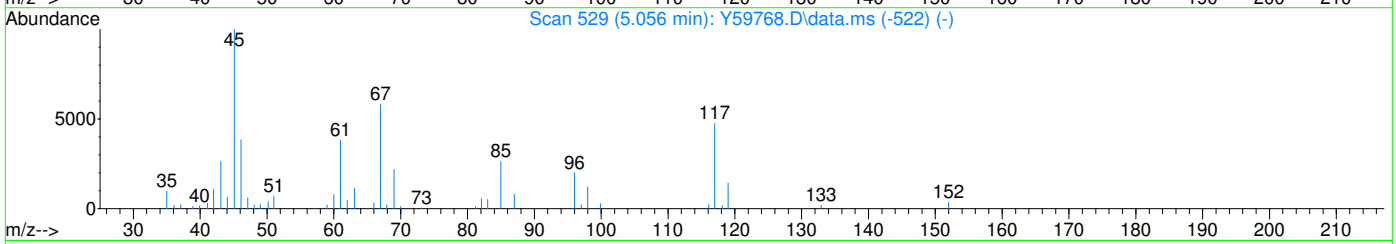
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64612.D
Acq On : 10 Sep 2022 10:58 am
Operator : adeladl
Sample : CC2677-5
Misc : MS52320,VY2680,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 19:56:26 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64612.D\data.ms

(11) Ethanol

5.014min (-0.000) 873.02ug/L m

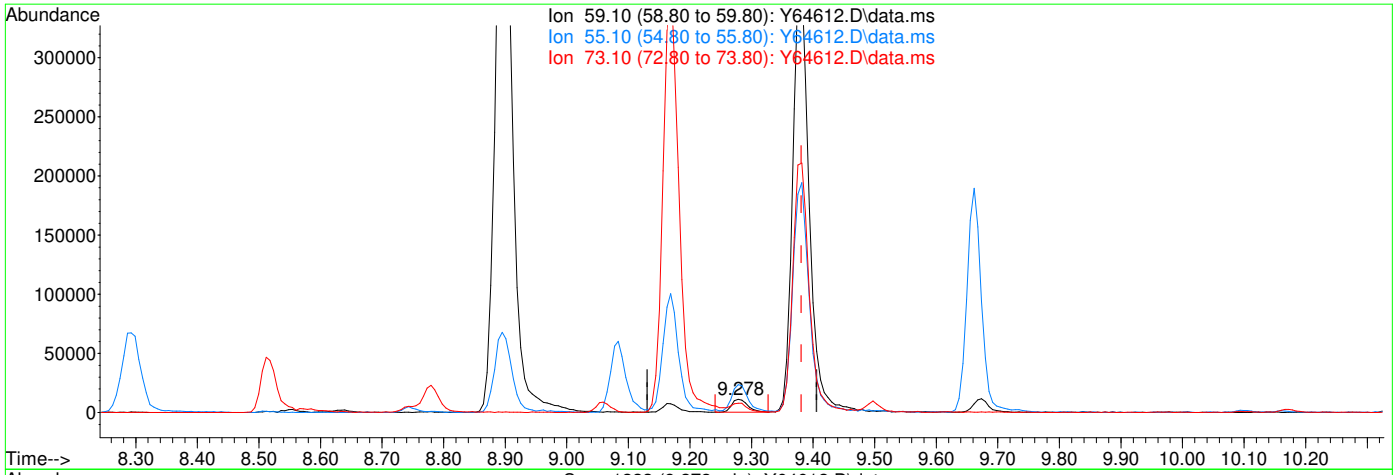
response 154605

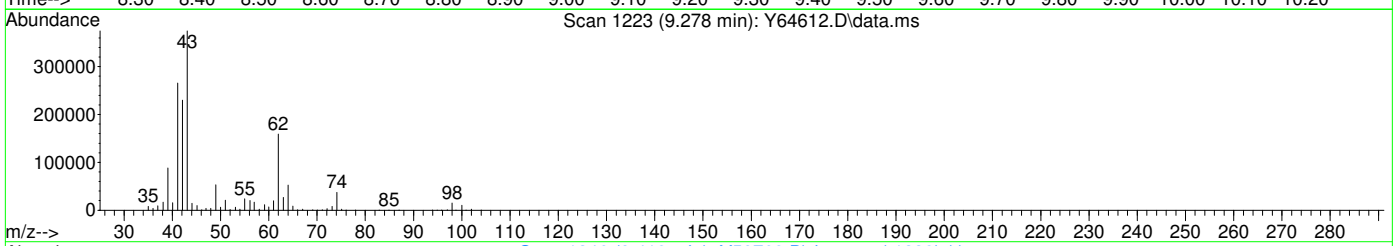
Ion	Exp%	Act%
45.10	100	100
46.10	40.10	41.85
0.00	0.00	0.00
0.00	0.00	0.00

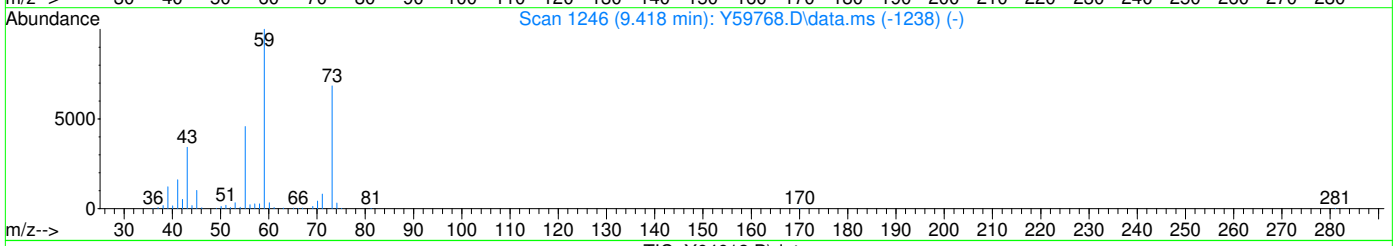
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64612.D
Acq On : 10 Sep 2022 10:58 am
Operator : adeladl
Sample : CC2677-5
Misc : MS52320,VY2680,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 19:56:26 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64612.D\data.ms

(52) Tert Amyl Alcohol

9.278min (-0.103) 13.87ug/L

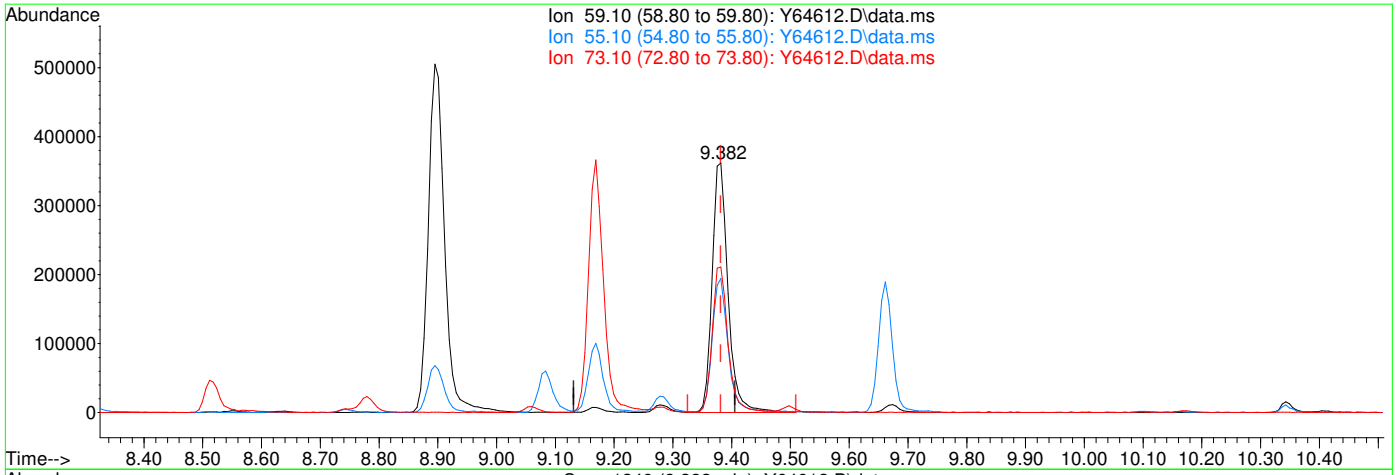
response 19913

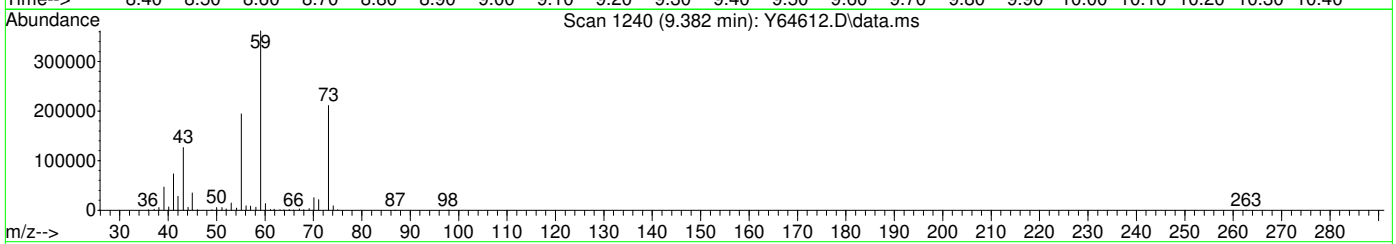
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	203.57#
73.10	57.50	65.79
0.00	0.00	0.00

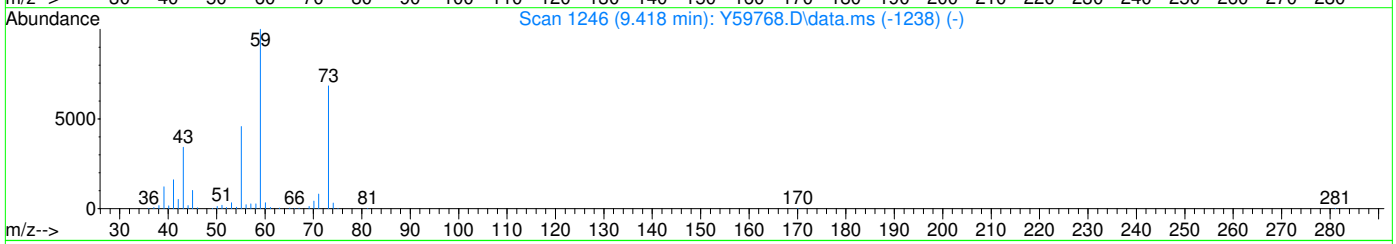
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64612.D
Acq On : 10 Sep 2022 10:58 am
Operator : adeladl
Sample : CC2677-5
Misc : MS52320,VY2680,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 19:56:26 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64612.D\data.ms

(52) Tert Amyl Alcohol

9.382min (+0.001) 407.21ug/L m

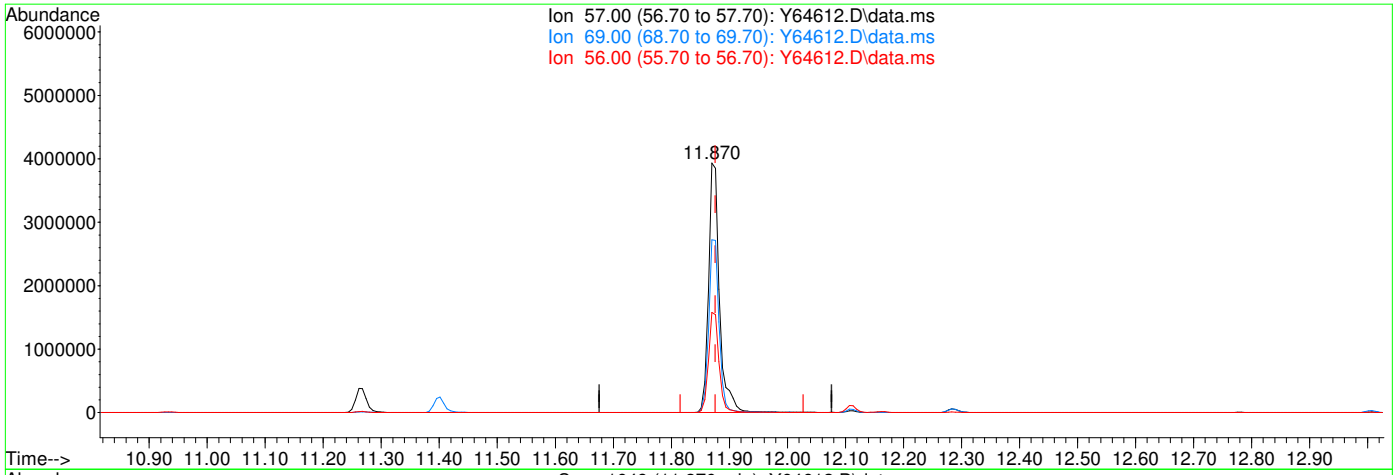
response 682232

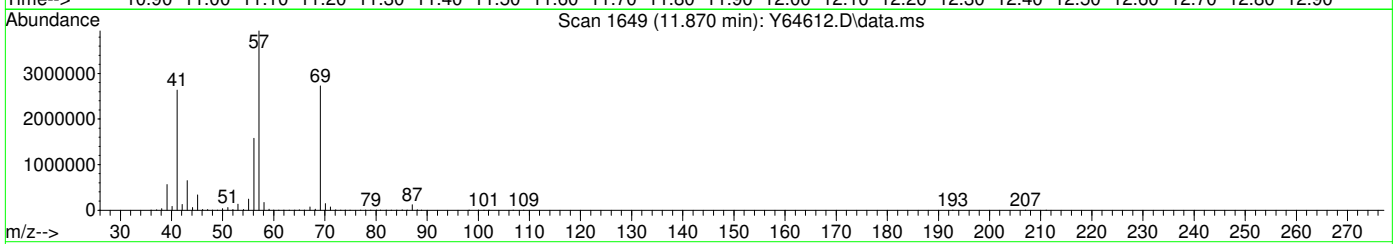
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	53.72
73.10	57.50	58.32
0.00	0.00	0.00

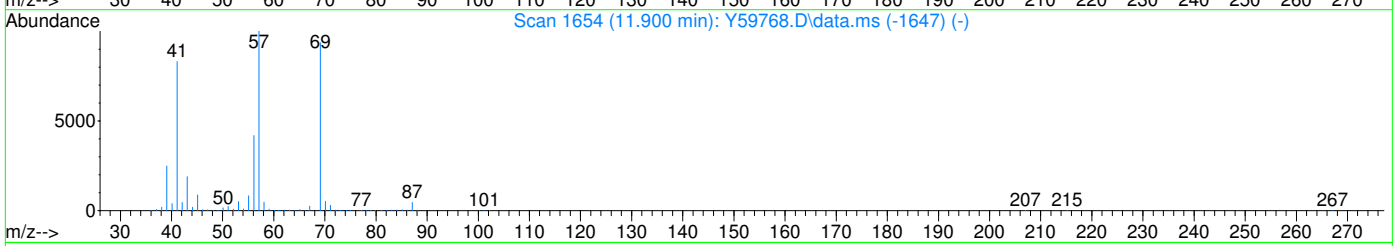
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64612.D
Acq On : 10 Sep 2022 10:58 am
Operator : adeladl
Sample : CC2677-5
Misc : MS52320,VY2680,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 19:56:26 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64612.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (-0.006) 2208.51ug/L

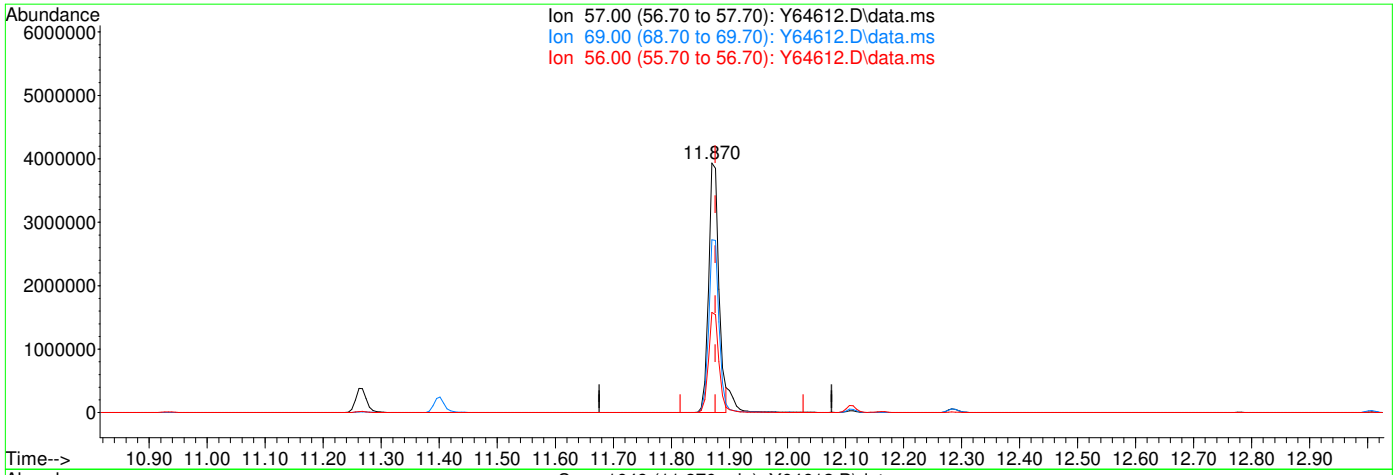
response 5200000

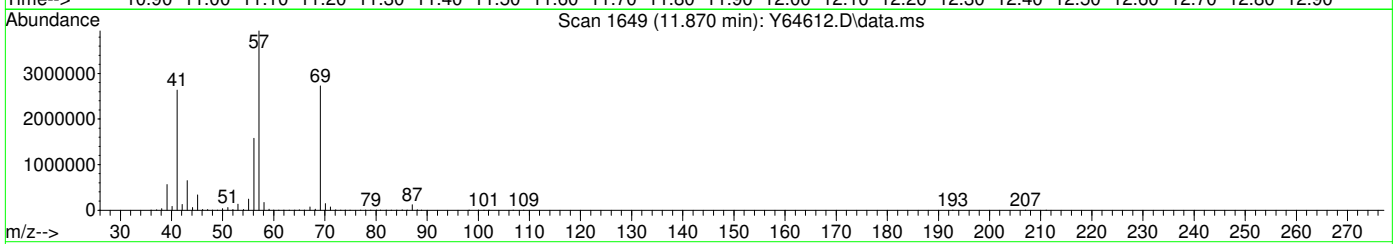
Ion	Exp%	Act%
57.00	100	100
69.00	71.90	69.18
56.00	40.00	40.11
0.00	0.00	0.00

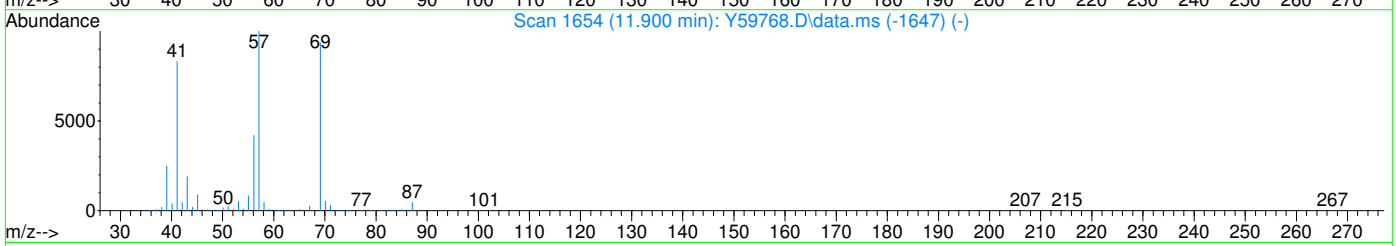
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64612.D
Acq On : 10 Sep 2022 10:58 am
Operator : adeladl
Sample : CC2677-5
Misc : MS52320,VY2680,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 19:56:26 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64612.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (-0.006) 2103.32ug/L m

response 4861960

Ion	Exp%	Act%
57.00	100	100
69.00	71.90	69.23
56.00	40.00	40.12
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Fereira 09/14/22 03:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64639.D
Acq On : 10 Sep 2022 10:04 pm
Operator : adeladl
Sample : ECC2677-5
Misc : MS52360,VY2680,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 12 20:12:37 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.496	96	944161	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	743657	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	385688	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	205440	49.95	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.90%			
49) 1,2-Dichloroethane-d4	9.204	65	256331	48.02	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.04%			
63) Toluene-d8	10.932	98	938193	49.31	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.62%			
86) 4-Bromofluorobenzene	13.007	174	307239	48.94	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.847	85	160319	41.47	ug/L	95
3) Acrolein	5.585	56	242633	204.62	ug/L	93
4) Chloromethane	3.170	50	203462	39.83	ug/L	99
5) 1,3-butadiene	3.340	39	210695	48.36	ug/L	99
6) Vinyl Chloride	3.310	62	200611	38.11	ug/L	98
7) Bromomethane	3.833	94	64829	38.93	ug/L	95
8) Chloroethane	4.027	64	74552	40.41	ug/L	95
9) Trichlorofluoromethane	4.234	101	252712	43.15	ug/L	100
10) Ethyl Ether	4.751	59	179712	39.52	ug/L	97
11) Ethanol	5.019	45	146662m	938.71	ug/L	
12) 1,2-Dichlorotrifluoroe...	5.043	67	213251	38.80	ug/L	93
13) 1,1-Dichloroethene	5.049	61	240890	37.78	ug/L	97
14) Freon 113	5.104	101	175533	41.42	ug/L	97
15) Carbon Disulfide	5.098	76	448187	37.61	ug/L	99
16) Iodomethane	5.275	142	101228	58.24	ug/L	93
17) Allyl chloride	5.786	41	212683	38.07	ug/L	98
18) Methylene Chloride	5.956	49	274757	35.60	ug/L	93
19) Acetone	6.041	43	518327	207.32	ug/L	98
20) Methyl acetate	6.230	43	1228956	211.60	ug/L	99
21) trans-1,2-Dichloroethene	6.218	61	238051	38.09	ug/L	95
22) Hexane	6.333	56	121837m	34.98	ug/L	
23) Methyl Tert Butyl Ether	6.382	73	577945	38.83	ug/L	76
24) Tert Butyl Alcohol	6.552	59	668451	415.07	ug/L	99
25) Acetonitrile	6.783	41	495224	419.61	ug/L	98
26) Di-isopropyl ether	6.984	45	647891	40.07	ug/L	96
27) Chloroprene	7.179	53	42379	39.35	ug/L	94
28) 1,1-Dichloroethane	7.209	63	306882	37.19	ug/L	98
29) Acrylonitrile	7.300	53	555639	200.35	ug/L	97
30) ETBE	7.580	59	594512	38.50	ug/L	98
31) Vinyl acetate	7.598	43	2306634	192.16	ug/L	99
32) cis-1,2-Dichloroethene	8.024	96	188536	36.37	ug/L	92
33) 2,2-Dichloropropane	8.164	77	229655	33.63	ug/L	98
34) Bromochloromethane	8.292	128	87352	38.96	ug/L	95
35) Cyclohexane	8.292	56	343367	38.77	ug/L	98
36) Chloroform	8.377	83	311311	38.36	ug/L	94
37) Ethyl acetate	8.511	43	1633092	199.10	ug/L	99
38) Tetrahydrofuran	8.584	42	141545	41.04	ug/L	97
40) Carbon Tetrachloride	8.554	117	210744	38.32	ug/L	94
41) 1,1,1-Trichloroethane	8.633	97	270076	37.97	ug/L	98
42) 2-Butanone	8.742	43	900517	203.63	ug/L	97
43) 1,1-Dichloropropene	8.779	75	254291	38.19	ug/L	96
44) tert-Butyl formate	8.894	59	811602	191.80	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64639.D
Acq On : 10 Sep 2022 10:04 pm
Operator : adeladl
Sample : ECC2677-5
Misc : MS52360,VY2680,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 12 20:12:37 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	9.083	54	569122	415.70	ug/L		99
46)	Methacrylonitrile	9.101	41	1900794	399.06	ug/L		99
47)	Benzene	9.058	78	793826	37.53	ug/L		99
48)	TAME	9.168	73	573112	39.20	ug/L		96
50)	Isobutyl Alcohol	9.284	42	374525	836.82	ug/L		98
51)	1,2-Dichloroethane	9.277	62	243754	38.09	ug/L		97
52)	Tert Amyl Alcohol	9.381	59	613071m	413.78	ug/L		
53)	Trichloroethene	9.673	95	194938	38.80	ug/L		95
54)	Methylcyclohexane	9.661	83	327768	39.03	ug/L		99
55)	Dibromomethane	10.087	93	108610	37.69	ug/L		97
56)	1,2-Dichloropropane	10.172	63	194354	39.22	ug/L		95
57)	Bromodichloromethane	10.227	83	205765	38.48	ug/L		94
58)	Methyl methacrylate	10.342	41	223294	40.81	ug/L		95
59)	1,4-Dioxane	10.409	88	125604	842.55	ug/L		97
60)	2-Chloroethyl vinyl ether	10.707	63	363115	205.50	ug/L		97
61)	cis-1,3-Dichloropropene	10.780	75	282928	38.86	ug/L		98
64)	Toluene	10.975	91	850541	35.94	ug/L		98
65)	2-Nitropropane	11.169	41	428038	203.52	ug/L		99
66)	4-Methyl-2-pentanone	11.267	43	1889964	205.57	ug/L		99
67)	trans-1,3-Dichloropropene	11.309	75	252583	38.84	ug/L		83
68)	Tetrachloroethene	11.303	166	245205	41.81	ug/L		98
69)	Ethyl methacrylate	11.401	69	278613	38.30	ug/L		97
70)	1,1,2-Trichloroethane	11.443	83	146961	35.64	ug/L		96
71)	Dibromochloromethane	11.589	129	161139	38.46	ug/L		99
72)	1,3-Dichloropropane	11.656	76	328884	37.37	ug/L		99
73)	1,2-Dibromoethane	11.790	107	183359	39.05	ug/L		97
74)	3,3-dimethyl-1-butanol	11.875	57	4276161m	2062.03	ug/L		
75)	2-hexanone	11.899	43	2310749	236.38	ug/L		99
76)	1-Chlorohexane	12.112	91	265030	38.22	ug/L		99
77)	Ethylbenzene	12.155	91	974457	36.46	ug/L		99
78)	Chlorobenzene	12.167	112	528139	36.50	ug/L		87
79)	1,1,1,2-Tetrachloroethane	12.204	131	181007	39.52	ug/L		97
80)	m,p-Xylene	12.258	91	1489923	74.50	ug/L		99
81)	o-Xylene	12.575	91	695109	36.69	ug/L		99
82)	Styrene	12.611	104	539862	40.30	ug/L		96
83)	Bromoform	12.666	173	108596	35.42	ug/L		97
84)	Isopropylbenzene	12.782	105	854834	38.73	ug/L		99
87)	cis-1,4-Dichloro-2-butene	13.031	53	60617	24.89	ug/L		92
88)	n-Propylbenzene	13.067	91	960523	35.34	ug/L		99
89)	Bromobenzene	13.098	156	216107	36.33	ug/L		96
90)	1,1,2,2-Tetrachloroethane	13.122	83	319511	37.41	ug/L		100
91)	1,3,5-Trimethylbenzene	13.183	105	623182	36.01	ug/L		95
92)	2-Chlorotoluene	13.201	91	626076	34.40	ug/L		98
93)	trans-1,4-Dichloro-2-B...	13.238	53	55360	25.24	ug/L	#	41
94)	1,2,3-Trichloropropane	13.232	110	105874	36.87	ug/L		95
95)	Cyclohexanone	13.287	55	121393	196.25	ug/L		94
96)	4-Chlorotoluene	13.311	91	576642	35.46	ug/L		100
97)	tert-Butylbenzene	13.414	91	319169	35.61	ug/L		99
98)	1,2,4-Trimethylbenzene	13.457	105	614987	36.23	ug/L		98
99)	Pentachloroethane	13.463	167	86560	32.84	ug/L		93
100)	sec-Butylbenzene	13.530	105	644900	36.98	ug/L		98
101)	4-Isopropyltoluene	13.609	119	531846	37.26	ug/L		99
102)	1,3-Dichlorobenzene	13.725	146	354550	36.61	ug/L		98
103)	1,2,3-Trimethylbenzene	13.761	105	322120	37.54	ug/L		99
104)	1,4-Dichlorobenzene	13.779	146	382429	36.20	ug/L		98
105)	n-Butylbenzene	13.895	92	219584	36.59	ug/L		94
106)	Benzyl Chloride	13.931	126	98051	31.00	ug/L		96
107)	1,2-Dichlorobenzene	14.071	146	374844	38.30	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64639.D
Acq On : 10 Sep 2022 10:04 pm
Operator : adeladl
Sample : ECC2677-5
Misc : MS52360,VY2680,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 12 20:12:37 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

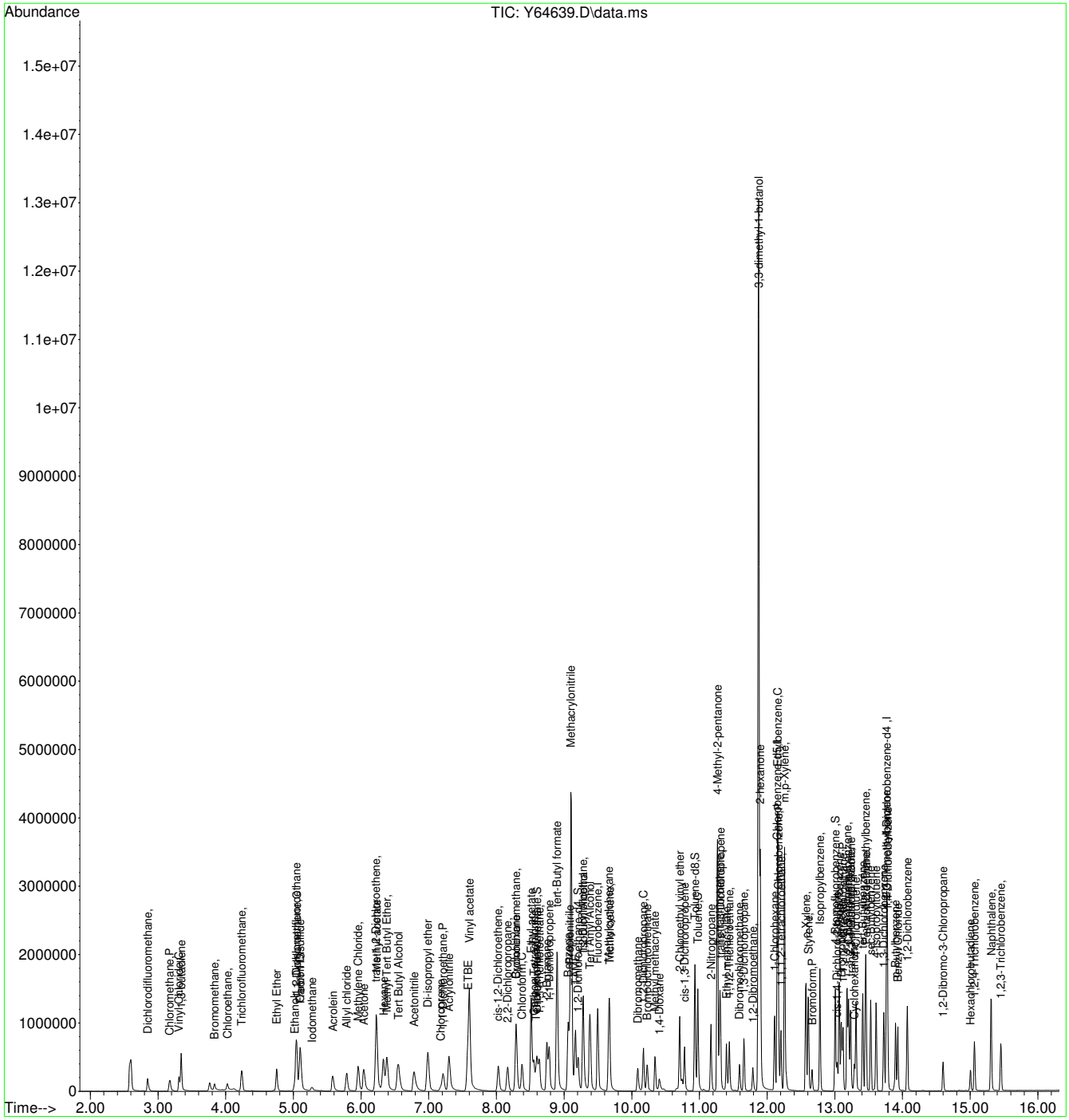
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.601	75	70726	36.67	ug/L	91
109) Hexachlorobutadiene	15.002	225	43269	37.91	ug/L	88
110) 1,2,4-Trichlorobenzene	15.063	180	183642	39.30	ug/L	97
111) Naphthalene	15.312	128	900296	38.20	ug/L	99
112) 1,2,3-Trichlorobenzene	15.452	180	182180	39.49	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64639.D
Acq On : 10 Sep 2022 10:04 pm
Operator : adeladl
Sample : ECC2677-5
Misc : MS52360,VY2680,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 12 20:12:37 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



Manual Integration Approval Summary

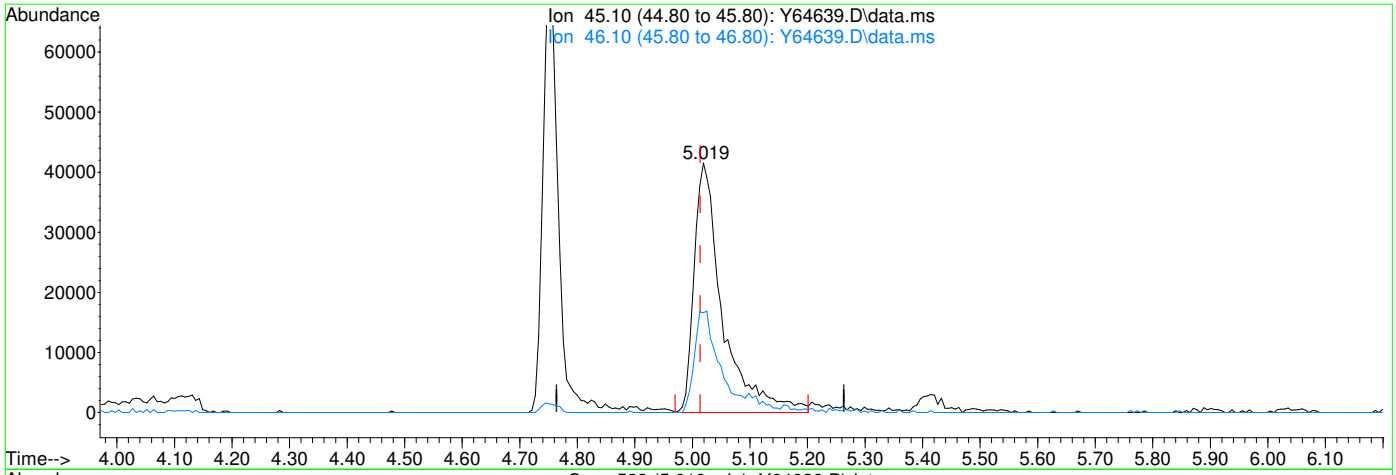
Sample Number: VY2680-ECC2677
Lab FileID: Y64639.D
Injection Time: 09/10/22 22:04
Method: SW846 8260D
Analyst approved: 09/13/22 02:11 Jennifer Fereira
Supervisor approved: 09/14/22 03:47 Jennifer Fereira

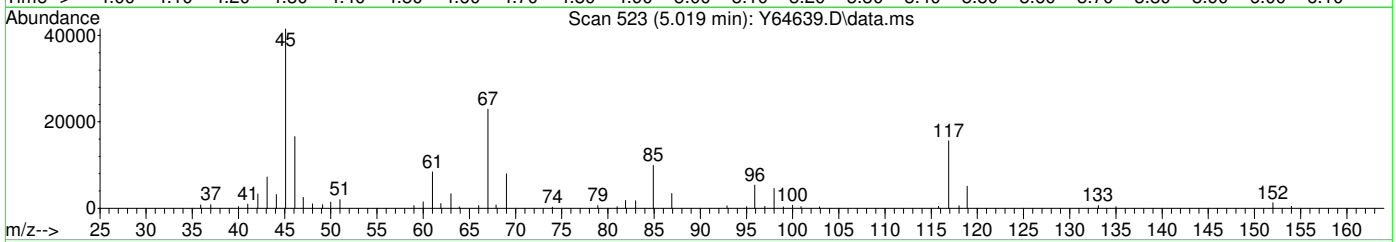
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.02	Poor instrument integration
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.88	Overlapping peak

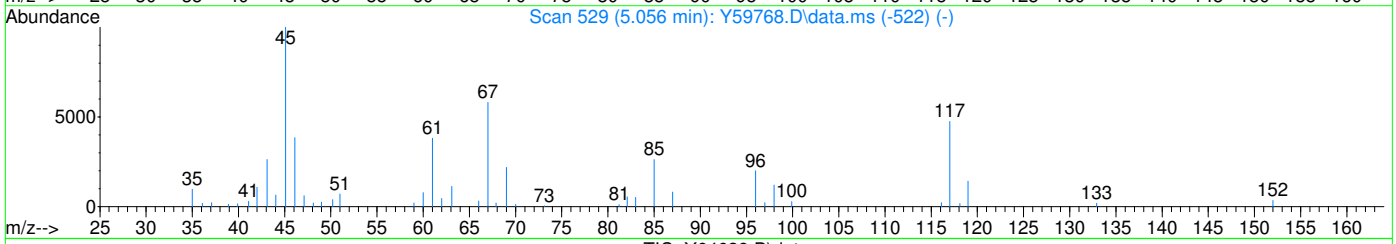
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64639.D
Acq On : 10 Sep 2022 10:04 pm
Operator : adeladl
Sample : ECC2677-5
Misc : MS52360,VY2680,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 12 20:09:33 2022
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64639.D\data.ms

(11) Ethanol

5.019min (+0.005) 912.25ug/L

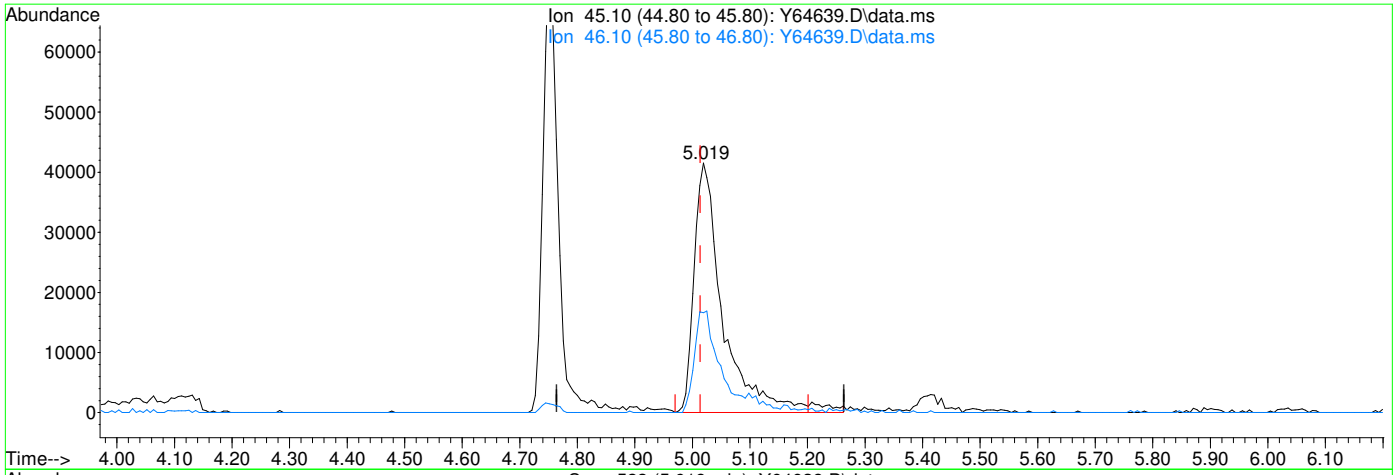
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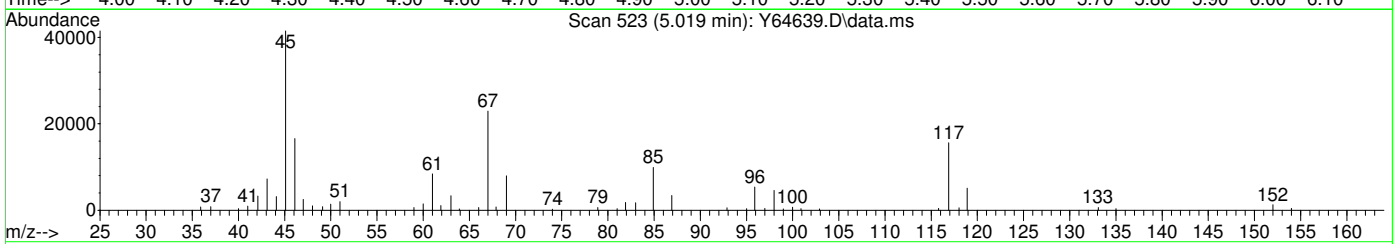
Ion	Exp%	Act%
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46.10	40.10	40.00
0.00	0.00	0.00
0.00	0.00	0.00

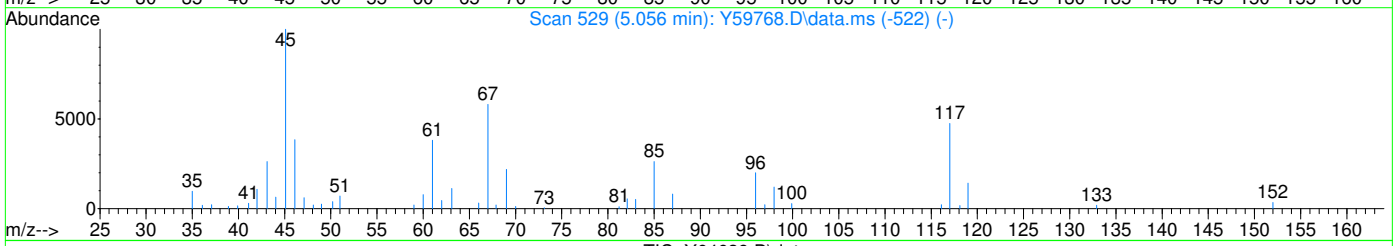
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64639.D
Acq On : 10 Sep 2022 10:04 pm
Operator : adeladl
Sample : ECC2677-5
Misc : MS52360,VY2680,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 12 20:09:33 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64639.D\data.ms

(11) Ethanol

5.019min (+0.005) 938.71ug/L m

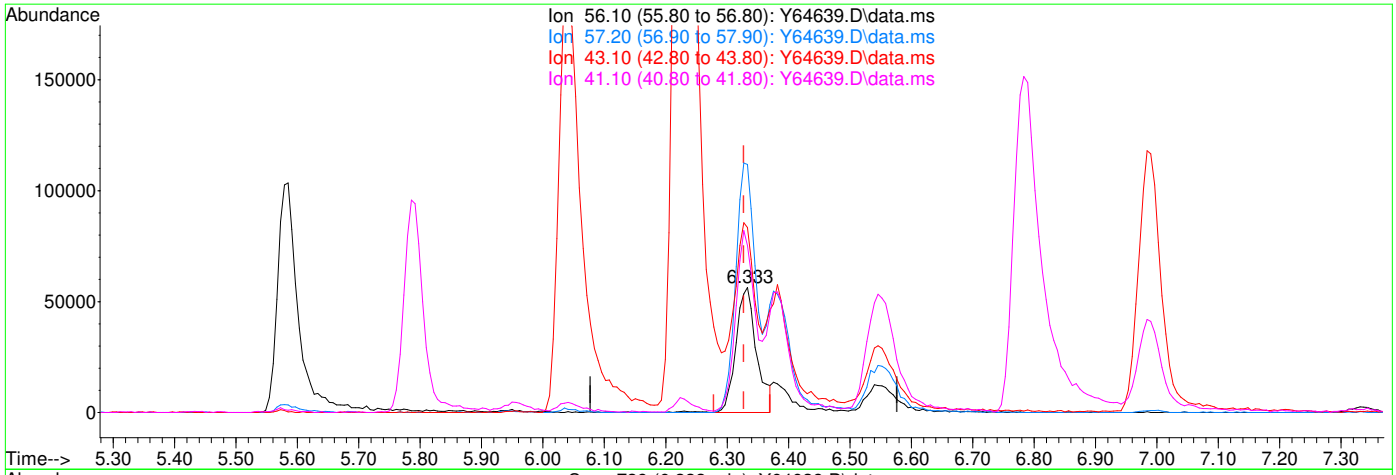
response 146662

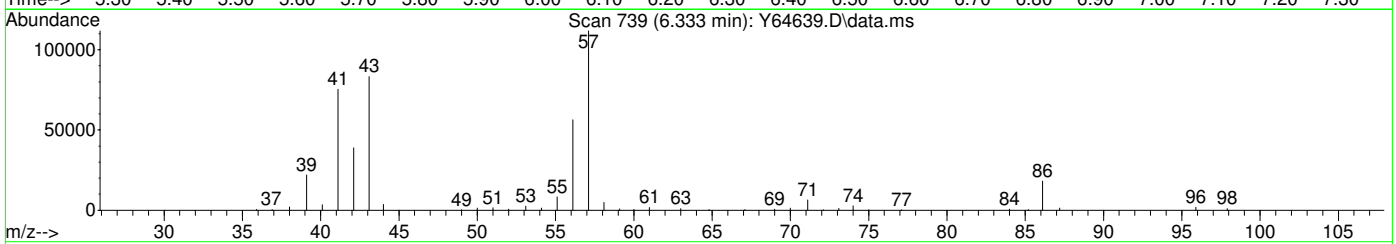
Ion	Exp%	Act%
45.10	100	100
46.10	40.10	40.00
0.00	0.00	0.00
0.00	0.00	0.00

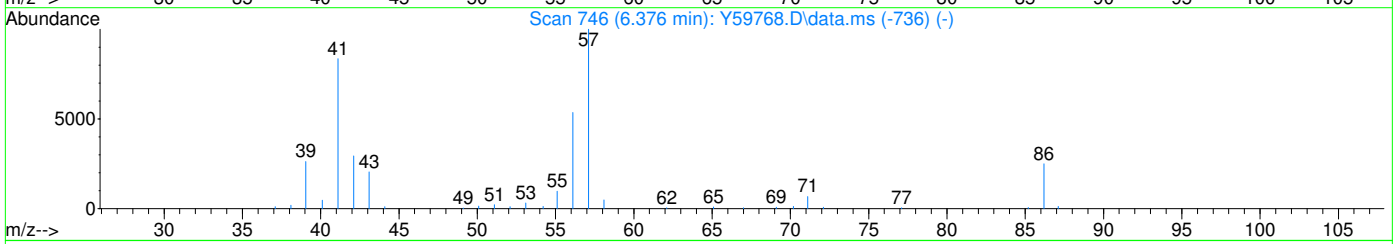
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64639.D
Acq On : 10 Sep 2022 10:04 pm
Operator : adeladl
Sample : ECC2677-5
Misc : MS52360,VY2680,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 12 20:09:33 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64639.D\data.ms

(22) Hexane

6.333min (+0.006) 37.62ug/L

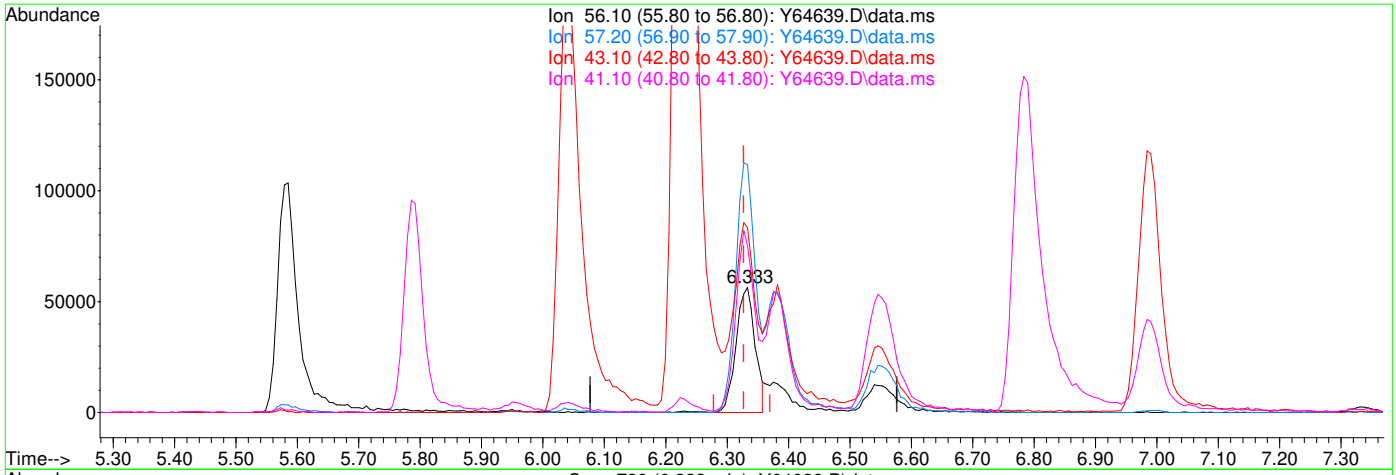
response 130965

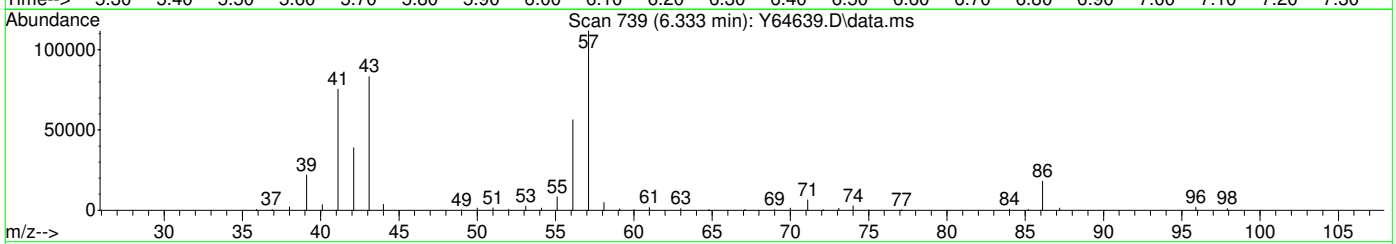
Ion	Exp%	Act%
56.10	100	100
57.20	206.50	199.40
43.10	82.60	79.76
41.10	140.00	133.18

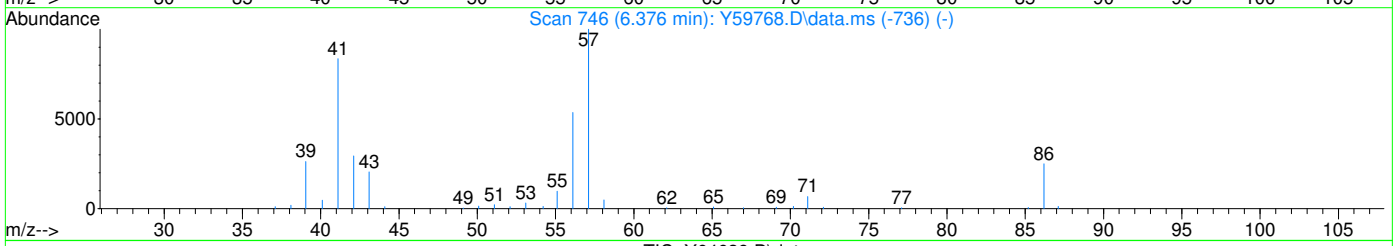
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64639.D
Acq On : 10 Sep 2022 10:04 pm
Operator : adeladl
Sample : ECC2677-5
Misc : MS52360,VY2680,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 12 20:09:33 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64639.D\data.ms

(22) Hexane

6.333min (+0.006) 34.98ug/L m

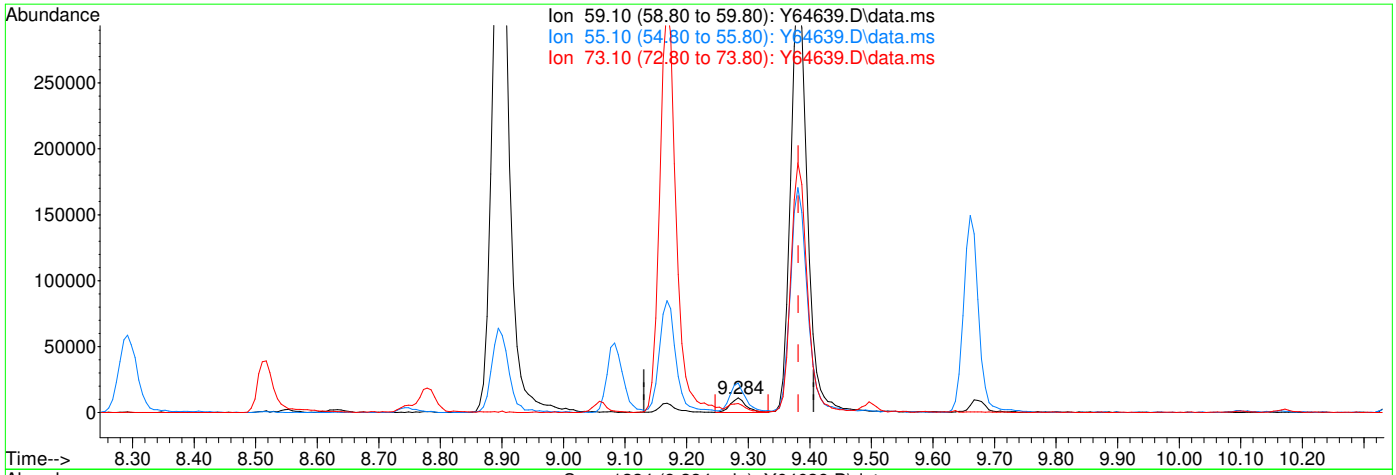
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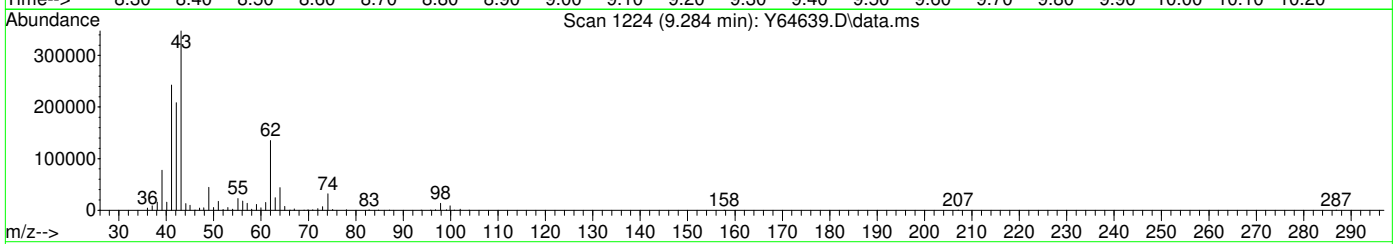
Ion	Exp%	Act%
56.10	100	100
57.20	206.50	198.23
43.10	82.60	147.73#
41.10	140.00	133.58

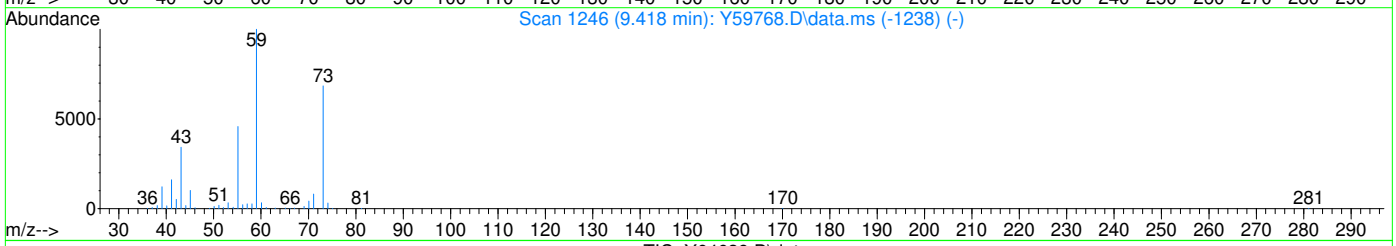
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64639.D
Acq On : 10 Sep 2022 10:04 pm
Operator : adeladl
Sample : ECC2677-5
Misc : MS52360,VY2680,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 12 20:09:33 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64639.D\data.ms

(52) Tert Amyl Alcohol

9.284min (-0.097) 15.71ug/L

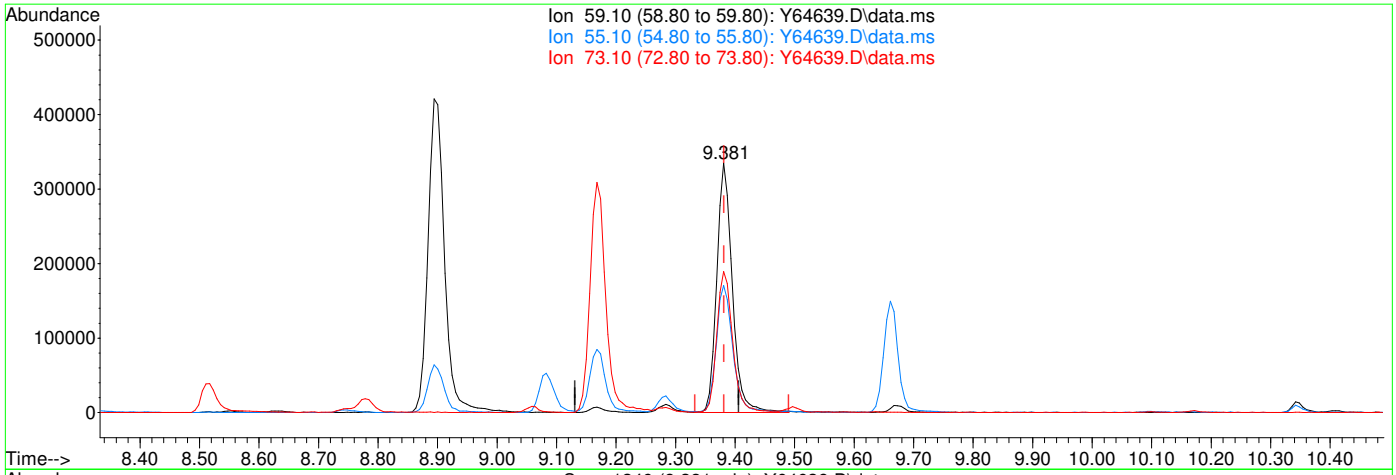
response 19919

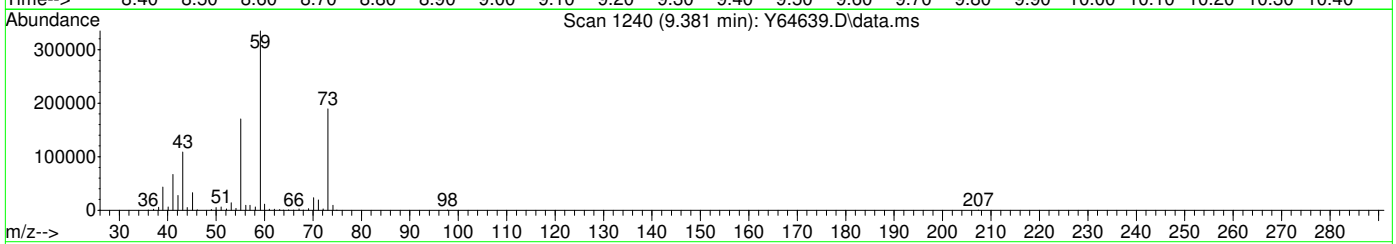
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	189.81#
73.10	57.50	55.82
0.00	0.00	0.00

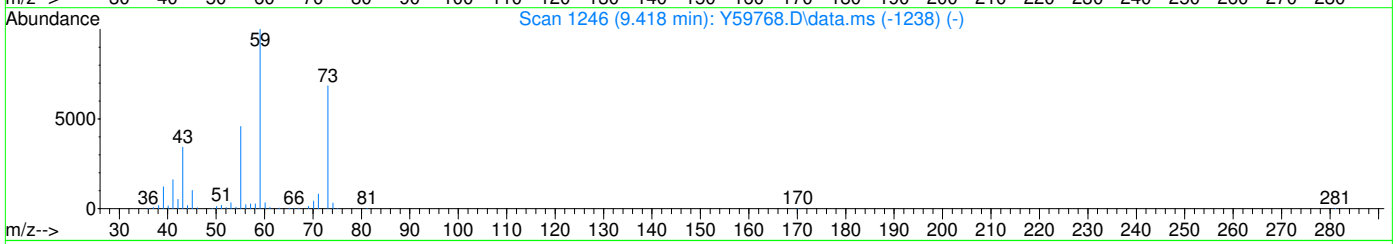
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64639.D
Acq On : 10 Sep 2022 10:04 pm
Operator : adeladl
Sample : ECC2677-5
Misc : MS52360,VY2680,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 12 20:09:33 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64639.D\data.ms

(52) Tert Amyl Alcohol

9.381min (-0.000) 413.78ug/L m

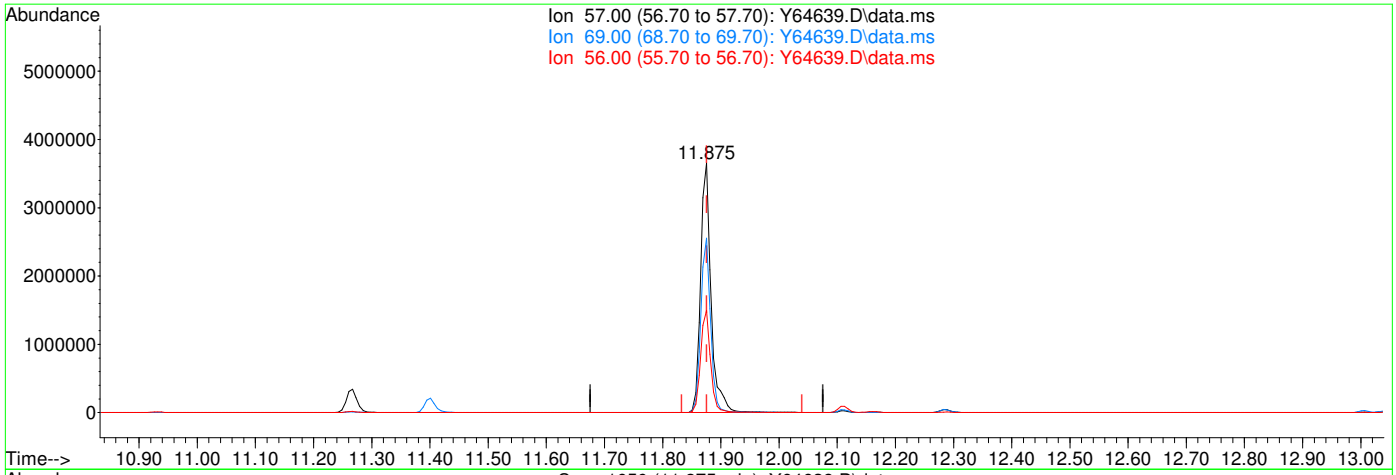
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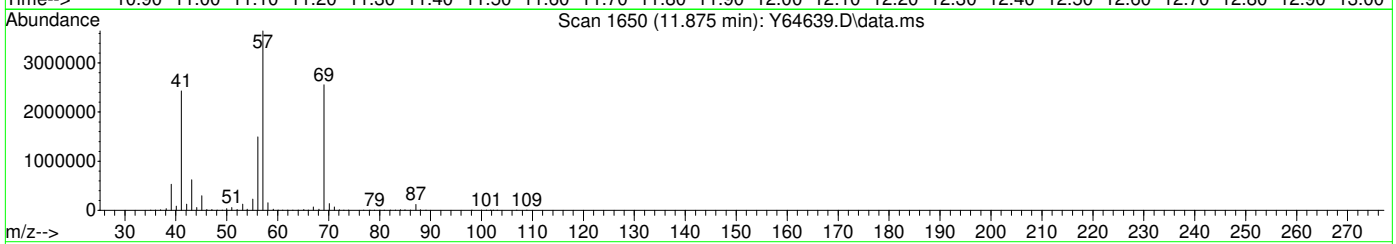
Ion	Exp%	Act%
59.10	100	100
55.10	50.60	50.89
73.10	57.50	56.48
0.00	0.00	0.00

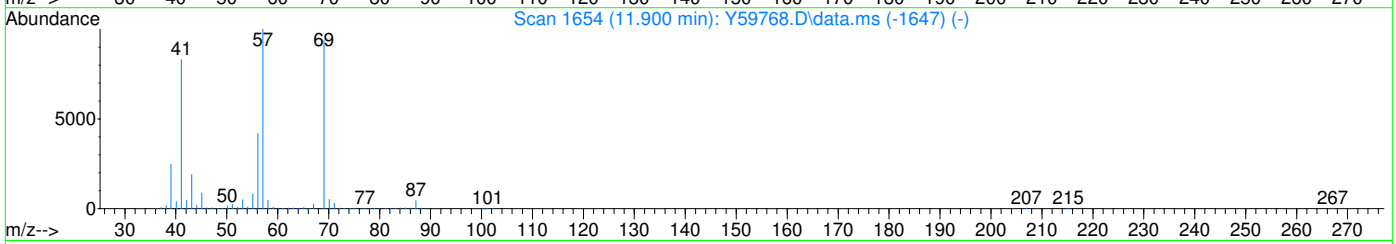
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64639.D
Acq On : 10 Sep 2022 10:04 pm
Operator : adeladl
Sample : ECC2677-5
Misc : MS52360,VY2680,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 12 20:09:33 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64639.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.875min (-0.001) 2172.81ug/L

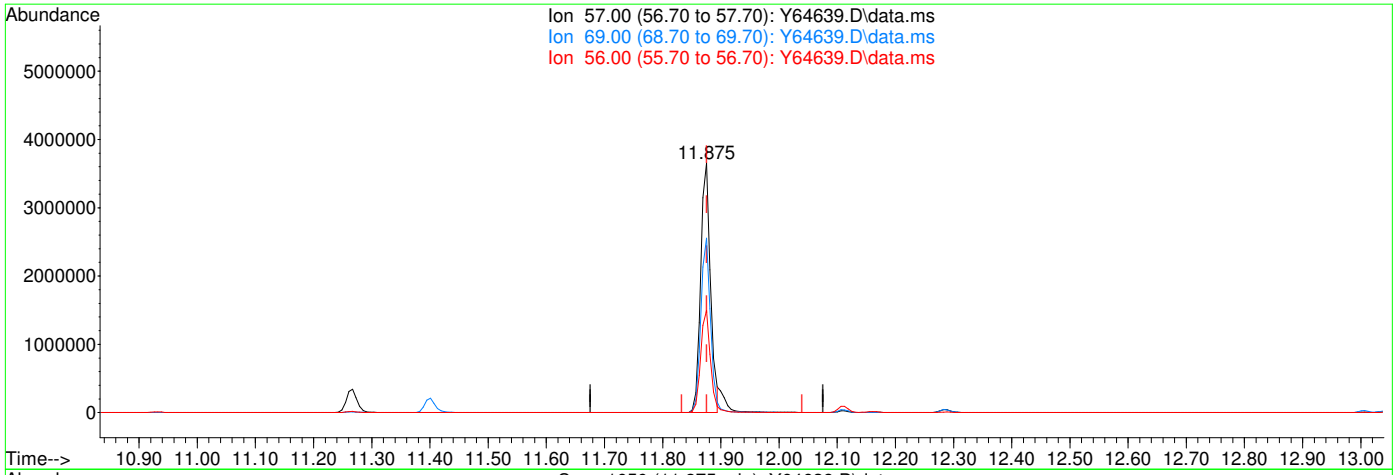
response 4594736

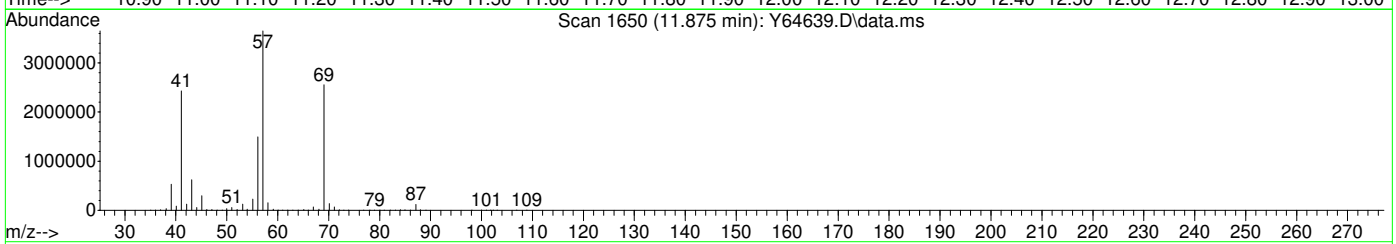
Ion	Exp%	Act%
57.00	100	100
69.00	71.90	69.84
56.00	40.00	40.88
0.00	0.00	0.00

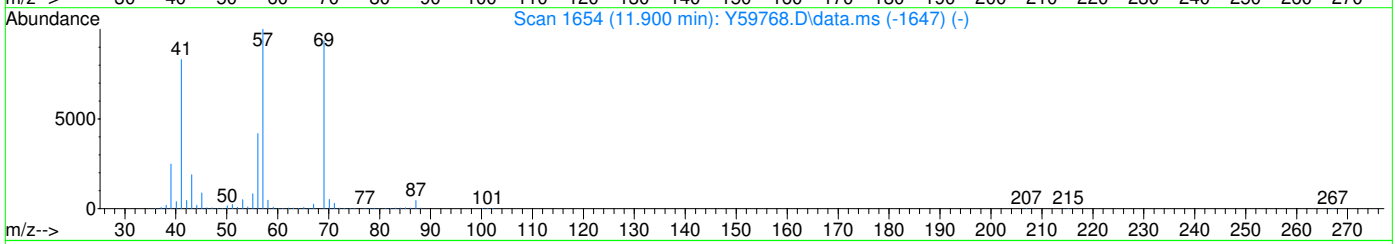
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-12-2022\vy2680\
Data File : Y64639.D
Acq On : 10 Sep 2022 10:04 pm
Operator : adeladl
Sample : ECC2677-5
Misc : MS52360,VY2680,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 12 20:09:33 2022
Quant Method : C:\msdchem\1\methods\APPIX_09-08-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64639.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.875min (-0.001) 2062.03ug/L m

response 4276161

Ion	Exp%	Act%
57.00	100	100
69.00	71.90	69.85
56.00	40.00	40.88
0.00	0.00	0.00

SGS -ORLANDO

MSVOA16-I-ANALYSIS LOG

DATE: 09/09/2022	METHODS:* 8260	BFB: VS2391	pH LOT#: (1-12 pH paper): 220814
COLUMN TYPE: RTX-VMS	METHOD FILE: 2022-09-09APP9-I.M	ICAL/CC: VS2444, VS2442, VS2420,	(0-3 pH paper) 220416
DETECTOR 5975C MSD	CALIB. DATE 09/09/2022	VS2418, VS2440, VS2430	KI PAPER LOT#: 102916
INSTRUMENT MSVOA16-I	EM VOLTAGE: 1294V	ISTD/SUR: VS2391	AFA: VS2248C
PURGE PRESSURE: 1.3 psi	BFB RESPONSE: 1497247	ICV/QC: VS2425, VS2426, VS2424,	SAMPLE ID VERIFIED BY:
		VS2422, VS2441, VS2419, VS2431	JL
ANALYST: JoAnn L	RUN ID: VI2688	DATA PROCESSED BY: JoAnn L	DATE VERIFIED: 09/09/2022

Data File	Sample ID	Dil.	Vial #	Matrix	ALS Pos.	Sample Method	Manually Integrated Peaks Rationale, Peak#	pH	CI ?	RR	Comments
I751206	BFB	-	-	W	1	8260		-	-	-	Passed autofind ✓
I751207	IC2688-1	-	-	W	2	8260		-	-	-	1uL→ 100mL ✓
I751208	IC2688-2	-	-	W	3	8260		-	-	-	5uL→ 100mL ✓
I751209	IC2688-3	-	-	W	4	8260		-	-	-	5uL→ 50mL ✓
I751210	IC2688-4	-	-	W	5	8260		-	-	-	12.5uL→ 50mL ✓
I751211	ICC2688-5	-	-	W	6	8260		-	-	-	20uL→ 50mL ✓
I751212	IC2688-6	-	-	W	7	8260		-	-	-	35uL→ 50mL ✓
I751213	IC2688-7	-	-	W	8	8260		-	-	-	50uL→ 50mL ✓
I751214	BLANK	-	-	W	9	8260		-	-	-	
I751215	ICV2688-5	-	-	W	10	8260		-	-	-	25uL→ 50mL ✓
I751216	ICV2688-4	-	-	W	11	8260	Not used- not needed	-	-	-	12.5uL→ 40mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 Matrix Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature:_____

SGS -ORLANDO

MSVOA16-I-ANALYSIS LOG

DATE: 09/14/2022	**METHODS:*** 8260	**BFB:** VS2391	**pH LOT#:** (1-12 pH paper): 220814
COLUMN TYPE: RTX-VMS	**METHOD FILE:** 2022-09-09APP9-I.M	**ICAL/CC:** VS2444, VS2442, VS2420,	(0-3 pH paper): 220416
DETECTOR: 5975C MSD	**CALIB. DATE:** 09/09/2022	VS2418, VS2440, VS2430	**KI PAPER LOT#:** 102916
INSTRUMENT: MSVOA16-I	**EM VOLTAGE:** 1294V	**ISTD/SUR:** VS2391	**AFA:** VS2248C
PURGE PRESSURE: 1.3 psi	**BFB RESPONSE:** 1369406	**ICV/QC:** VS2425, VS2426, VS2424,	**SAMPLE ID VERIFIED BY:**
		VS2422, VS2441, VS2419, VS2431	JL
ANALYST: JoAnn L	**RUN ID:** VI2691	**DATA PROCESSED BY:** JoAnn L /JenniferF	**DATE VERIFIED:** 09/14/2022

Data File	Sample ID	Dil.	Vial #	Matrix	ALS Pos.	Sample Method	Manually Integrated Peaks Rationale, Peak#	pH	CI ?	RR	Comments
I751273	BFB	-	-	W	1	8260		-	-	-	Passed autofind ✓
I751274	CC2688-5	-	-	W	2	8260	#22,74(OP)	-	-	-	Passed autofind; 40uL→ 100mL ✓
I751275	BS	-	-	W	3	8260	#22,74(OP)	-	-	-	12.5uL→ 40mL ✓
I751276	CC2688-1	-	-	W	4	8260	All peaks present	-	-	-	1uL→ 100mL ✓
I751277	MB(AFA)	-	-	W	5	8260		-	-	-	ND ✓
I751278	FA98574-6	1X	1	W	6	8260		1	N	-	No carryover(VC)- not used
I751279	FA98666-5	1X	3	W	7	8260		1	N	-	No carryover(trans12)- not used; AFA
I751280	FA98666-7	1X	3	W	8	8260		1	N	-	No carryover(trans12)- not used; AFA
I751281	FA98834-4	1X	3	W	9	8260		6	N	-	No carryover(cis12/12DCE)- not used
I751282	FA98517-5	1X	6	W	10	8260		1	N	-	No carryover (TCE)- not used
I751283	FA98404-17	1X	3	W	11	8260		1	N	-	AFA, CF✓
I751284	FA98569-13	1X	3	W	12	8260		1	N	-	CF✓
I751285	FA98541-6	1X	3	W	13	8260		1	N	-	CF✓
I751286	FA98574-2	1X	9	W	14	8260	#20(PII)	1	N	-	✓
I751287	FA98574-3 10X	10X	1	W	15	8260	5mL(-)50mL	1	N	-	Bubble>6mm, all vials received, Ecombine✓
I751288	FA98574-7 250X	250X	2	W	16	8260	200uL(-)50mL	1	N	-	CF✓
I751289	FA98614-4 2X	2X	3	W	17	8260	25mL(-)50mL	1	N	-	Ecombine✓
I751290	FA98574-5 25X	25X	1	W	18	8260	2mL(-)50mL	1	N	-	Bubble>6mm, all vials received, Ecombine✓
I751291	FA98594-8 25X	25X	2	W	19	8260	2mL(-)50mL	1	N	-	Ecombine✓
I751292	FA98517-4 2X	2X	14	W	20	8260	25mL(-)50mL	1	N	-	Ecombine✓
I751293	FA98602-4	1X	2	W	21	8260		1	N	-	AFA, ND✓
I751294	FA98602-5	1X	2	W	22	8260	Lot# 427037	1	N	-	Bubble>6mm, all vials received✓
I751295	FA98602-1 25X	25X	2	W	23	8260	2mL(-)50mL	1	N	-	✓
I751296	FA98602-2 2.5X	2.5X	2	W	24	8260	20mL(-)50mL	1	N	5x	TCE OR ; possible cis12/freon/MCL/VC carryover
I751297	FA98602-3 10X	10X	2	W	25	8260	5mL(-)50mL	1	N	10x	Possible cis12/freon/TCE carryover
I751298	FA98602-3MS 10X	10X	2	W	26	8260	10mL(-)100mL; #22,74(OP)	1	N	-	12.5uL→ 40mL ✓
I751299	FA98602-3MSD 10X	10X	2	W	27	8260	10mL(-)100mL; #22,74(OP)	1	N	-	12.5uL→ 40mL ✓
I751300	ECC2688-5	-	-	W	28	8260	#22,74(OP)	-	-	-	40uL→ 100mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: _____

SGS -ORLANDO

MSVOA14-Y-ANALYSIS LOG

DATE: 09/08/2022	
COLUMN TYPE: RTX-VMS	
DETECTOR: 5973 MSD	
INSTRUMENT: MSVOA14-Y	
PURGE PRESSURE: 9.0 psi	
PURGE VOLUME: 5 mL	
ANALYST: JoAnn L	

METHODS:	8260
METHOD FILE: APIX_09-08-2022_Y.M	
CALIB. DATE:	9/8/2022
EM VOLTAGE:	1212V
BFB RESPONSE:	1612496
RUN ID:	VY2677

BFB:	VS2411
ICAL/CC:	VS2444, VS2442, VS2420,
VS2418, VS2440, VS2430	
ISTD/SURR	VS2411
ICV/QC:	VS2425, VS2426, VS2424
VS2422, VS2441, VS2419, VS2431	
DATA PROCESSED BY:	JoAnn L/

0 to 12 pH lot#
0 to 3 pH lot# 220416
KI PAPER LOT: 102916
AFA: N/A
SAMPLE ID VERIFIED BY:
JoAnn L
DATE: 09/08/2022

DATA FILE	SAMPLE ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONALE & PEAK #	pH	CI ?	RR	COMMENTS
Y64570	BFB	-	-	W	1	8260		-	-	-	Passed autofind ✓
Y64571	IC2677-1	-	-	W	2	8260		-	-	-	1uL → 100mL ✓
Y64572	IC2677-2	-	-	W	3	8260		-	-	-	5uL → 100mL ✓
Y64573	IC2677-3	-	-	W	4	8260		-	-	-	5uL → 50mL ✓
Y64574	IC2677-4	-	-	W	5	8260		-	-	-	12.5uL → 50mL ✓
Y64575	ICC2677-5	-	-	W	6	8260		-	-	-	40uL → 100mL ✓
Y64576	IC2677-6	-	-	W	7	8260		-	-	-	35uL → 50mL ✓
Y64577	IC2677-7	-	-	W	8	8260		-	-	-	50uL → 50mL ✓
Y64578	BLANK	-	-	W	9	8260		-	-	-	✓
Y64579	ICV2677-5	-	-	W	10	8260		-	-	-	25uL → 50mL ✓
Y64580	ICV2677-4	-	-	W	11	8260	Not used-not needed	-	-	-	12.5uL → 40mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration.

Analyst's Signature: _____

SGS -ORLANDO

MSVOA14-Y-ANALYSIS LOG

DATE: 09/10/2022	
COLUMN TYPE: RTX-VMS	
DETECTOR: 5973 MSD	
INSTRUMENT: MSVOA14-Y	
PURGE PRESSURE: 9.0 psi	
PURGE VOLUME: 5 mL	
ANALYST:	Adelard L

METHODS:	8260
METHOD FILE: APIX_09-08-2022_Y.M	
CALIB. DATE:	9/8/2022
EM VOLTAGE:	1212V
BFB RESPONSE:	1591416
RUN ID:	VY2680

BFB:	VS2411
ICAL/CC:	VS2444, VS2442, VS2420,
VS2418, VS2440, VS2430	
ISTD/SURR:	VS2411
ICV/QC:	VS2425, VS2426, VS2424
VS2422, VS2441, VS2419, VS2431	
DATA PROCESSED BY:	JoAnn L

0 to 12 pH lot#
0 to 3 pH lot#: 220416
KI PAPER LOT: 102916
AFA: N/A
SAMPLE ID VERIFIED BY:
Adelard L
DATE: 09/10/2022

DATA FILE	SAMPLE ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONALE & PEAK #	pH	CI ?	RR	COMMENTS
Y64611	BFB	-	-	W	1	8260		-	-	-	Passed autofind ✓
Y64612	CC2677-5	-	-	W	2	8260	#74(OP) #52(MP)	-	-	-	40uL → 100mL ✓
Y64613	BS	-	-	W	3	8260	#11(PII) #22,74(OP) #52(MP)	-	-	-	12.5uL → 40mL ✓
Y64614	CC2677-1	-	-	W	4	8260	All peaks present	-	-	-	1uL → 100mL ✓
Y64615	BLANK	-	-	W	5	8260		-	-	-	✓
Y64616	MB	-	-	W	6	8260		-	-	-	ND ✓
Y64617	FA98517-6	1X	1	W	7	8260		1	N	-	ND ✓
Y64618	FA98541-1	1X	1	W	8	8260		1	N	-	ND ✓
Y64619	FA98541-9	1X	1	W	9	624		1	N	-	ND ✓
Y64620	FA98574-1	1X	1	W	10	624		1	N	-	ND ✓
Y64621	FA98517-2	1X	6	W	11	8260		1	N	-	✓
Y64622	FA98517-3	1X	5	W	12	8260		1	N	-	✓
Y64623	FA98517-4	1X	11	W	13	8260		1	N	2x	TCE OR
Y64624	FA98517-5	1X	8	W	14	8260		1	N	1x	TCE carryover
Y64625	FA98541-2	1X	1	W	15	8260	Bubble > 6mm	1	N	-	ND ✓
Y64626	FA98541-3	1X	1	W	16	8260		1	N	-	ND ✓
Y64627	FA98541-5	1X	2	W	17	8260		1	N	-	✓
Y64628	FA98541-7	1X	2	W	18	8260		1	N	-	✓
Y64629	FA98542-2	1X	2	W	19	8260		1	N	-	✓
Y64630	FA98574-2	1X	6	W	20	8260		1	N	1x	IS3|SS4↑
Y64631	FA98517-1 5X	5X	5	W	21	8260	10mL(-)50mL; bubble > 6mm	1	N	-	✓
Y64632	FA98517-7 5X	5X	8	W	22	8260	10mL(-)50mL	1	N	-	✓
Y64633	FA98541-4 2X	2X	2	W	23	8260	25mL(-)50mL	1	N	-	✓
Y64634	FA98541-6 2X	2X	2	W	24	624	25mL(-)50mL	1	N	1x	Target compounds↓
Y64635	FA98541-8 5X	5X	2	W	25	624	10mL(-)50mL	1	N	-	✓
Y64636	FA98542-1 10X	10X	2	W	26	624	5mL(-)50mL	1	N	-	✓
Y64637	FA98517-4MS	1X	15	W	27	624	#11(PII) #22,74(OP) #52(MP)	1	N	-	12.5uL → 40mL ✓
Y64638	FA98517-4MSD	1X	16	W	28	8260	#11(PII) #22,74(OP) #52(MP)	1	N	-	12.5uL → 40mL ✓
Y64639	ECC2677-5	-	-	W	29	8260	#11(PII) #22,74(OP) #52(MP)	-	-	-	40uL → 100mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration.

Analyst's Signature: Adelard L

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
G1R347-MB	1R9282.D	1	09/01/22	TD	n/a	n/a	G1R347

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-7

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.50	0.16	ug/l	
74-84-0	Ethane	ND	1.0	0.32	ug/l	
74-85-1	Ethene	ND	1.0	0.43	ug/l	

Blank Spike/Blank Spike Duplicate Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
G1R347-BS	1R9279.D	1	09/01/22	TD	n/a	n/a	G1R347
G1R347-BSD	1R9280.D	1	09/01/22	TD	n/a	n/a	G1R347

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
74-82-8	Methane	108	99.7	92	102	94	2	62-139/30
74-84-0	Ethane	219	201	92	210	96	4	67-141/30
74-85-1	Ethene	290	272	94	284	98	4	68-141/30

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98517-4MS	1R9309.D	10	09/01/22	TD	n/a	n/a	G1R347
FA98517-4	1R9290.D	1	09/01/22	TD	n/a	n/a	G1R347
FA98517-4	1R9307.D	10	09/01/22	TD	n/a	n/a	G1R347

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-7

CAS No.	Compound	FA98517-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
74-82-8	Methane	5400 [a]		1080	6510	103	62-139
74-84-0	Ethane	1.0 U		2190	2040	93	67-141
74-85-1	Ethene	1.0 U		2900	2720	94	68-141

(a) Result is from Run #2.

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98517-4DUP	1R9308.D	10	09/01/22	TD	n/a	n/a	G1R347
FA98517-4	1R9290.D	1	09/01/22	TD	n/a	n/a	G1R347
FA98517-4	1R9307.D	10	09/01/22	TD	n/a	n/a	G1R347

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-7

CAS No.	Compound	FA98517-4 ug/l	Q	DUP ug/l	Q	RPD	Limits
74-82-8	Methane	5400 [a]		5470		1	30
74-84-0	Ethane	1.0 U		ND		nc	30
74-85-1	Ethene	1.0 U		ND		nc	30

(a) Result is from Run #2.

* = Outside of Control Limits.

Initial Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: G1R343-ICC343
Lab FileID: 1R9189.D

Response Factor Report VOA12

Method : C:\msdchem\1\METHODS\RSK8-23-22.M (ChemStation Integrator)
Title : Dissolved Gases in Water
Last Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration

Calibration Files
1 =1R9185.D 2 =1R9186.D 3 =1R9187.D 4 =1R9188.D
5 =1R9189.D 6 =1R9190.D 7 =1R9191.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) Methane	6.779	7.109	4.989	4.690	6.022	5.473	5.702	5.824 E5	15.24

---- Linear regr., Force(0,0) ---- Coefficient = 0.9995
Response Ratio = 0.00000 + 565740.14944 *A

2) Acetylene	1.129	1.165	0.819	0.849	1.165	1.157	1.362	1.092 E6	17.65

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998
Response Ratio = 0.00000 + 970320.11781 *A + 39.11268 *A^2

3) Ethylene	1.032	1.030	0.849	0.841	1.054	0.944	1.030	0.969 E6	9.44

---- Linear regr., Force(0,0) ---- Coefficient = 0.9984
Response Ratio = 0.00000 + 1012501.28927 *A

4) Ethane	1.132	1.017	0.824	0.846	1.031	0.961	1.026	0.977 E6	11.19

---- Linear regr., Force(0,0) ---- Coefficient = 0.9991
Response Ratio = 0.00000 + 1012570.12291 *A

5) Propane	2.119	1.361	1.022	1.085	1.242	1.191	1.337	1.337 E6	27.39

---- Linear regr., Force(0,0) ---- Coefficient = 0.9974
Response Ratio = 0.00000 + 1307086.61892 *A

(#) = Out of Range

RSK8-23-22.M Wed Aug 24 13:20:55 2022

8.5.1

8

Initial Calibration Verification

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: G1R343-ICV343
Lab FileID: 1R9192.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\08-23-22\1R9192.D Vial: 10
Acq On : 23-Aug-22, 16:24:24 Operator: TRANGD
Sample : icv343-5 Inst : VOA12
Misc : gc23837,G1R343,38,20,500,5,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\METHODS\RSK8-23-22.M (ChemStation Integrator)
Title : Dissolved Gases in Water
Last Update : Wed Aug 24 09:01:53 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	1000.000	1049.521	-5.0	99	0.00	0.22- 0.72
2	Acetylene	1000.000	951.068	4.9	82	0.00	0.77- 1.17
3	Ethylene	1000.000	957.927	4.2	92	0.00	0.88- 1.68
4	Ethane	1000.000	981.110	1.9	96	0.00	1.25- 2.05
5	Propane	1000.000	966.863	3.3	102	0.00	3.79- 4.59

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1R9189.D RSK8-23-22.M Tue Aug 30 09:14:01 2022

8.5.2

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: G1R347-CC343
Lab FileID: 1R9277.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\09-01-22\1R9277.D Vial: 2
Acq On : 01-Sep-22, 08:29:03 Operator: TRANGD
Sample : cc343-5 Inst : VOA12
Misc : gc23884,G1R347,38,20,500,5,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\METHODS\RSK8-23-22.M (ChemStation Integrator)
Title : Dissolved Gases in Water
Last Update : Wed Aug 24 09:01:53 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	1000.000	988.263	1.2	93	0.01	0.22- 0.72
2	Acetylene	1000.000	1180.911	-18.1#	103	0.03	0.77- 1.17
3	Ethylene	1000.000	1010.989	-1.1	97	0.03	0.88- 1.68
4	Ethane	1000.000	987.308	1.3	97	0.03	1.25- 2.05
5	Propane	1000.000	1007.732	-0.8	106	0.04	3.79- 4.59

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1R9189.D RSK8-23-22.M Fri Sep 02 08:49:12 2022

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: G1R347-CC343
Lab FileID: 1R9288.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\09-01-22\1R9288.D Vial: 13
Acq On : 01-Sep-22, 10:27:50 Operator: TRANGD
Sample : cc343-4 Inst : VOA12
Misc : gc23884,G1R347,38,20,500,5,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\METHODS\RSK8-23-22.M (ChemStation Integrator)
Title : Dissolved Gases in Water
Last Update : Wed Aug 24 09:01:53 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	500.000	431.634	13.7	104	0.01	0.22- 0.72
2	Acetylene	500.000	515.522	-3.1	120	0.03	0.77- 1.17
3	Ethylene	500.000	438.250	12.4	106	0.03	0.88- 1.68
4	Ethane	500.000	430.112	14.0	103	0.04	1.25- 2.05
5	Propane	500.000	427.550	14.5	103	0.05	3.79- 4.59

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1R9188.D RSK8-23-22.M Fri Sep 02 08:53:08 2022

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: G1R347-CC343
Lab FileID: 1R9306.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\09-01-22\1R9306.D Vial: 31
Acq On : 01-Sep-22, 13:11:33 Operator: TRANGD
Sample : cc343-5 Inst : VOA12
Misc : gc23884,G1R347,38,20,500,5,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\METHODS\RSK8-23-22.M (ChemStation Integrator)
Title : Dissolved Gases in Water
Last Update : Wed Aug 24 09:01:53 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	1000.000	853.750	14.6	80	0.02	0.22- 0.72
2	Acetylene	1000.000	1030.544	-3.1	89	0.03	0.77- 1.17
3	Ethylene	1000.000	883.616	11.6	85	0.03	0.88- 1.68
4	Ethane	1000.000	871.741	12.8	86	0.03	1.25- 2.05
5	Propane	1000.000	897.774	10.2	94	0.04	3.79- 4.59

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1R9189.D RSK8-23-22.M Fri Sep 02 08:49:22 2022

Continuing Calibration Summary

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: G1R347-ECC343
Lab FileID: 1R9316.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\09-01-22\1R9316.D Vial: 41
Acq On : 01-Sep-22, 14:36:44 Operator: TRANGD
Sample : ecc343-5 Inst : VOA12
Misc : gc23884,G1R347,38,20,500,5,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\METHODS\RSK8-23-22.M (ChemStation Integrator)
Title : Dissolved Gases in Water
Last Update : Wed Aug 24 09:01:53 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	1000.000	986.818	1.3	93	0.02	0.22- 0.72
2	Acetylene	1000.000	1180.669	-18.1#	103	0.03	0.77- 1.17
3	Ethylene	1000.000	1009.790	-1.0	97	0.03	0.88- 1.68
4	Ethane	1000.000	988.893	1.1	97	0.03	1.25- 2.05
5	Propane	1000.000	975.818	2.4	103	0.04	3.79- 4.59

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1R9189.D RSK8-23-22.M Fri Sep 02 08:49:24 2022

8.5.6

Run Sequence Report

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: G1R343	**Method:** SW846 8015C	**Instrument ID:** GC1R

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G1R343-IC343	1R9185.D	08/23/22 15:27	n/a	Initial cal 1
G1R343-IC343	1R9186.D	08/23/22 15:35	n/a	Initial cal 2
G1R343-IC343	1R9187.D	08/23/22 15:42	n/a	Initial cal 3
G1R343-IC343	1R9188.D	08/23/22 15:50	n/a	Initial cal 4
G1R343-ICC343	1R9189.D	08/23/22 15:58	n/a	Initial cal 5
G1R343-IC343	1R9190.D	08/23/22 16:06	n/a	Initial cal 6
G1R343-IC343	1R9191.D	08/23/22 16:15	n/a	Initial cal 7
G1R343-ICV343	1R9192.D	08/23/22 16:24	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA98517
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: G1R347 **Method:** RSKSOP-147/175 **Instrument ID:** GC1R

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G1R347-CC343	1R9277.D	09/01/22 08:29	n/a	Continuing cal 5
G1R347-BS	1R9279.D	09/01/22 08:51	n/a	Blank Spike
G1R347-BSD	1R9280.D	09/01/22 08:59	n/a	Blank Spike Duplicate
G1R347-MB	1R9282.D	09/01/22 09:15	n/a	Method Blank
FA98517-1	1R9285.D	09/01/22 09:58	n/a	LF6MW-16-0822
FA98517-2	1R9286.D	09/01/22 10:10	n/a	LF6MW-17-0822
FA98517-3	1R9287.D	09/01/22 10:19	n/a	LF6MW-20-0822
G1R347-CC343	1R9288.D	09/01/22 10:27	n/a	Continuing cal 4
FA98517-4	1R9290.D	09/01/22 10:44	n/a	WL-LF6TW-33-0822
FA98517-7	1R9292.D	09/01/22 11:02	n/a	LF6MW-16-0822
ZZZZZZ	1R9293.D	09/01/22 11:10	n/a	(unrelated sample)
ZZZZZZ	1R9294.D	09/01/22 11:17	n/a	(unrelated sample)
ZZZZZZ	1R9295.D	09/01/22 11:25	n/a	(unrelated sample)
ZZZZZZ	1R9296.D	09/01/22 11:32	n/a	(unrelated sample)
ZZZZZZ	1R9297.D	09/01/22 11:40	n/a	(unrelated sample)
ZZZZZZ	1R9298.D	09/01/22 11:48	n/a	(unrelated sample)
G1R347-CC343	1R9306.D	09/01/22 13:11	n/a	Continuing cal 5
FA98517-4	1R9307.D	09/01/22 13:20	n/a	WL-LF6TW-33-0822
FA98517-4DUP	1R9308.D	09/01/22 13:28	n/a	Duplicate
FA98517-4MS	1R9309.D	09/01/22 13:40	n/a	Matrix Spike
ZZZZZZ	1R9310.D	09/01/22 13:48	n/a	(unrelated sample)
ZZZZZZ	1R9311.D	09/01/22 13:57	n/a	(unrelated sample)
ZZZZZZ	1R9312.D	09/01/22 14:05	n/a	(unrelated sample)
FA98517-3	1R9313.D	09/01/22 14:13	n/a	LF6MW-20-0822
FA98517-5	1R9314.D	09/01/22 14:20	n/a	WL-LF6TW-34-0822
FA98517-7	1R9315.D	09/01/22 14:28	n/a	LF6MW-16-0822
G1R347-ECC343	1R9316.D	09/01/22 14:36	n/a	Ending cal 5

GC Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9285.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 09:58:16
Operator : TRANGD
Sample : fa98517-1
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 10:09:06 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.429	729346088	1289.189	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv d
3)	Ethylene	0.000	0	N.D.	ppmv d
4)	Ethane	0.000	0	N.D.	ppmv
5)	Propane	0.000	0	N.D.	ppmv

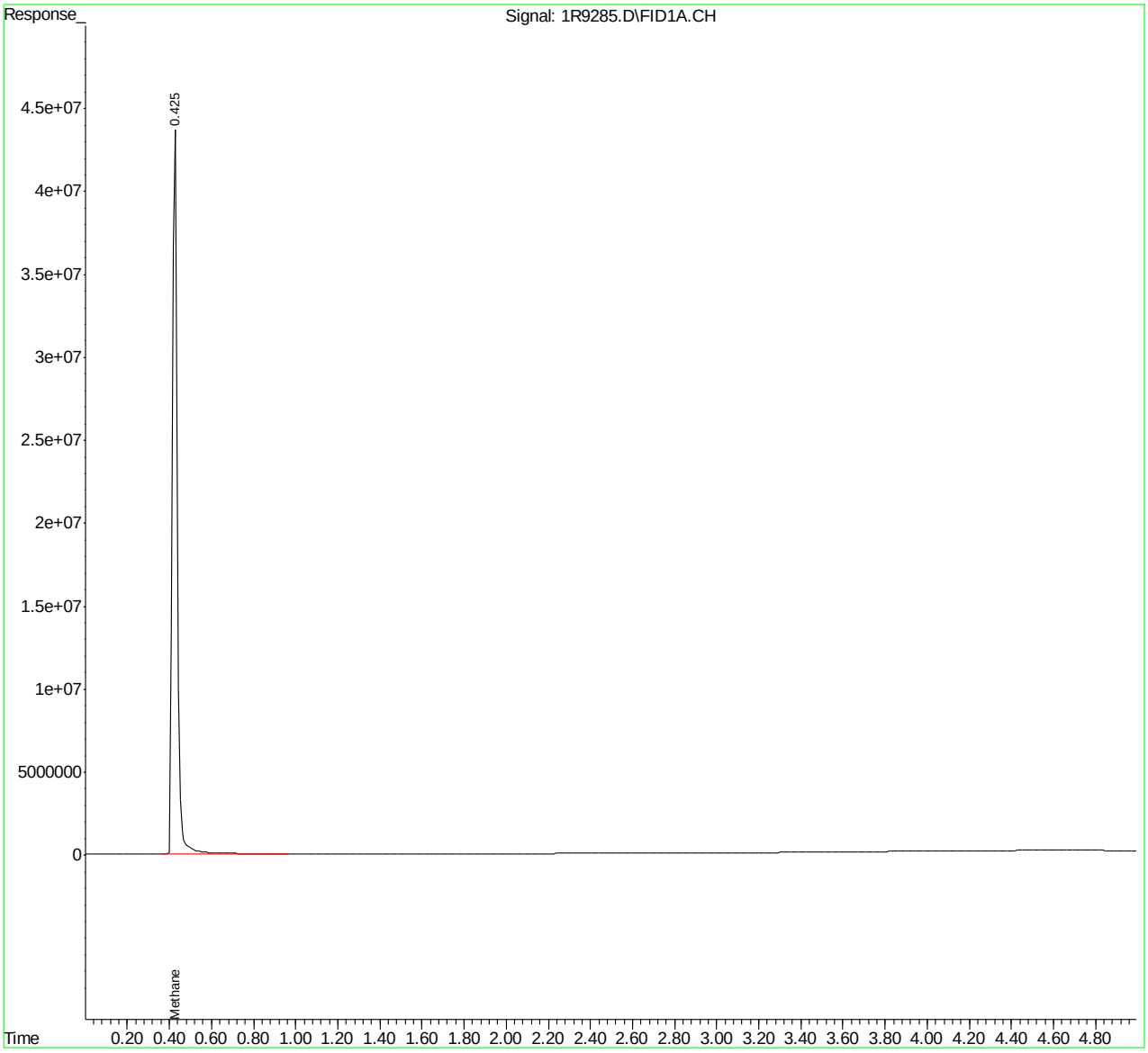
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9285.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 09:58:16
Operator : TRANGD
Sample : fa98517-1
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 10:09:06 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Fri Sep 02 08:56:20 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	FA98517-1	**Sample Volume:**	38.0 ml
Lab FileID:	1R9285.D	**Headspace:**	5.0 ml
Injection Time:	09/01/22 09:58	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	1289.19	37600	143	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9286.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 10:10:17
Operator : TRANGD
Sample : fa98517-2
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 10:17:46 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.430	4517203440	7984.591	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv d
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv

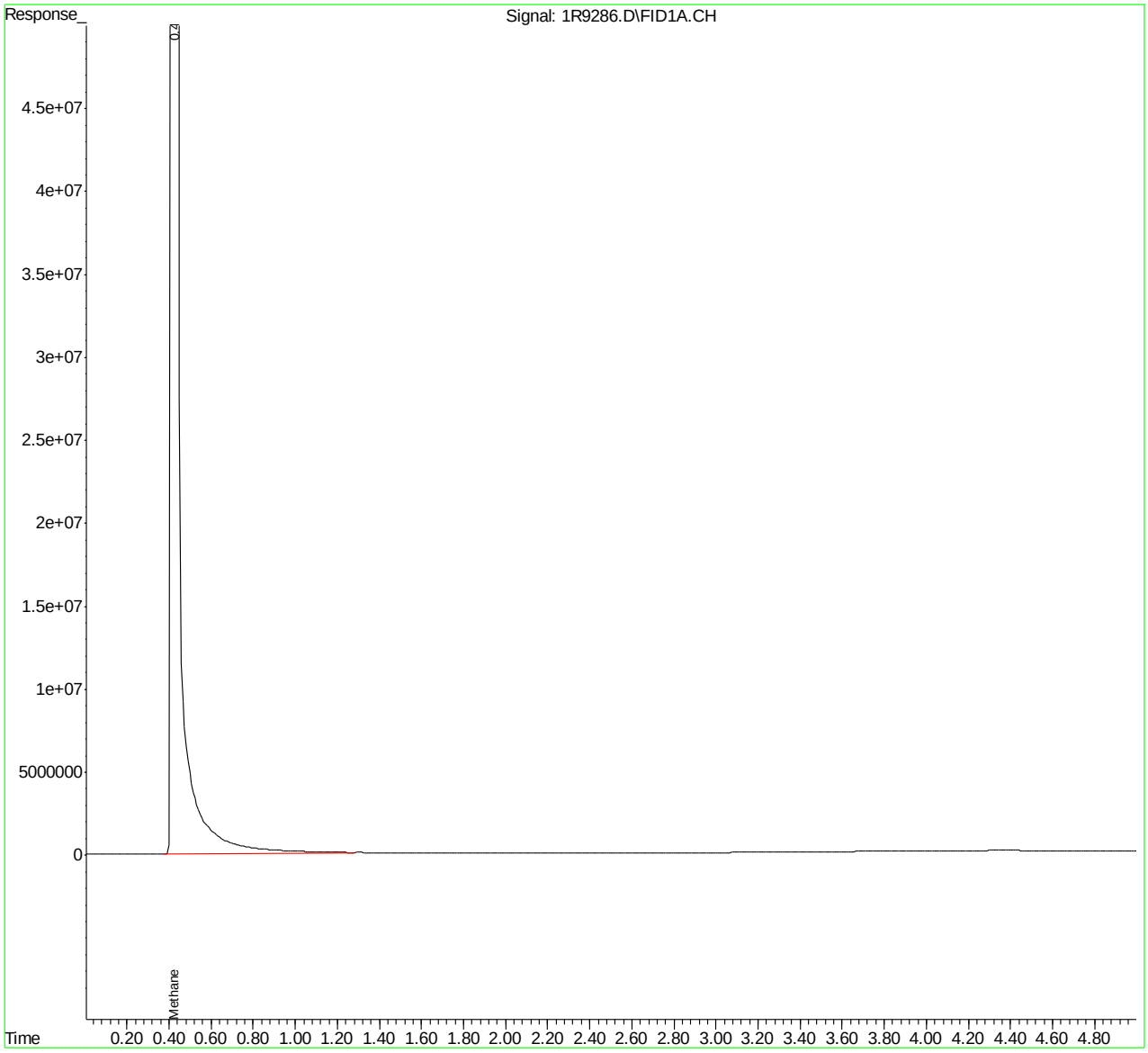
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9286.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 10:10:17
Operator : TRANGD
Sample : fa98517-2
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 10:17:46 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Fri Sep 02 08:56:22 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	FA98517-2	**Sample Volume:**	38.0 ml
Lab FileID:	1R9286.D	**Headspace:**	5.0 ml
Injection Time:	09/01/22 10:10	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	7984.59	37600	888	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9287.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 10:19:05
Operator : TRANGD
Sample : fa98517-3
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 10:24:57 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.430	5858503644	10355.467	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv d
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv

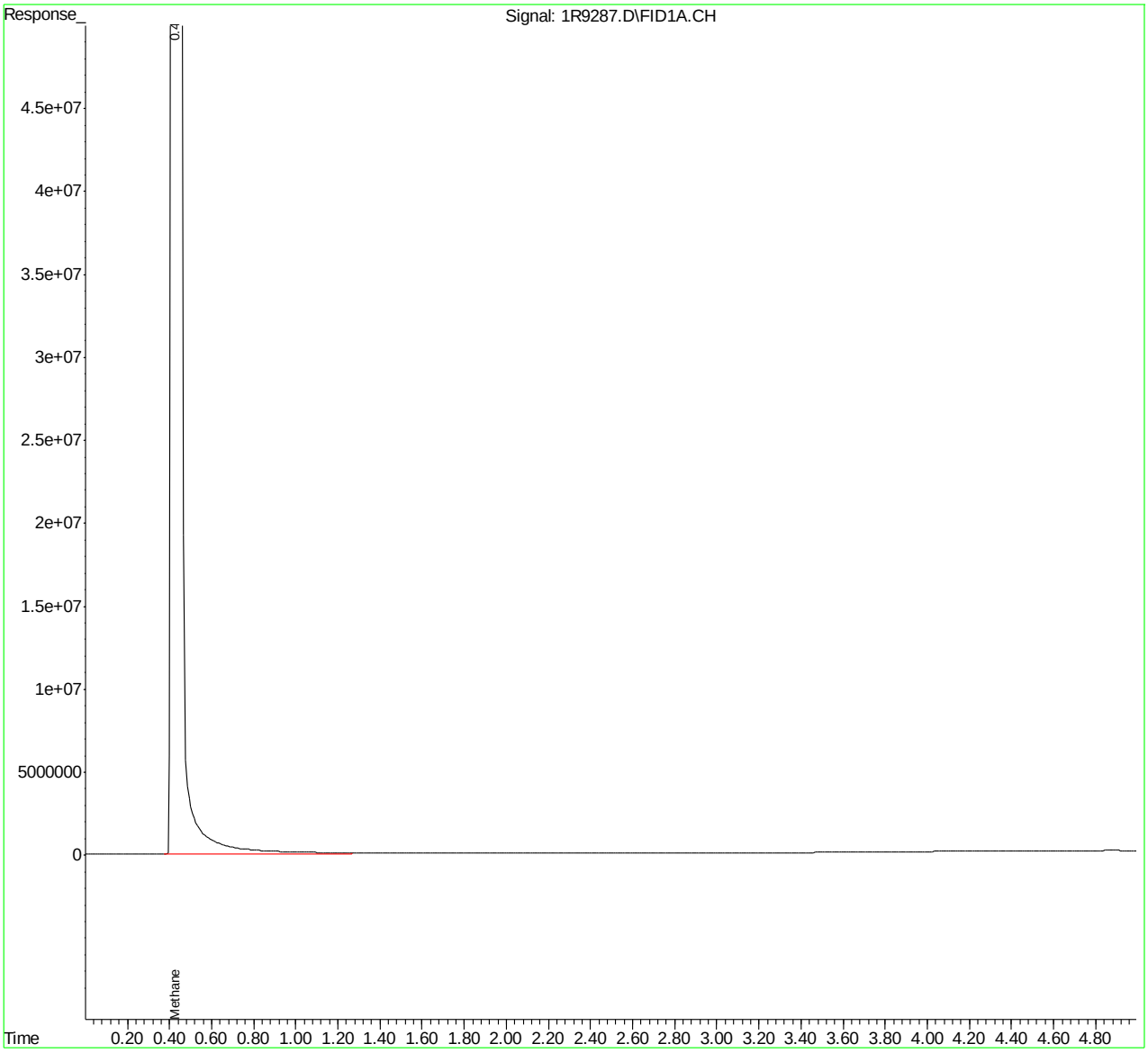
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9287.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 10:19:05
Operator : TRANGD
Sample : fa98517-3
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 10:24:57 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Fri Sep 02 08:56:24 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	FA98517-3	**Sample Volume:**	38.0 ml
Lab FileID:	1R9287.D	**Headspace:**	5.0 ml
Injection Time:	09/01/22 10:19	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	10355.47	37600	1150	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9313.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 14:13:09
Operator : TRANGD
Sample : fa98517-3, 2x
Misc : gc23884,G1R347,38,20,500,5,2
ALS Vial : 38 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 02 08:47:23 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.435	2637466201	4661.975	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv d
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv d

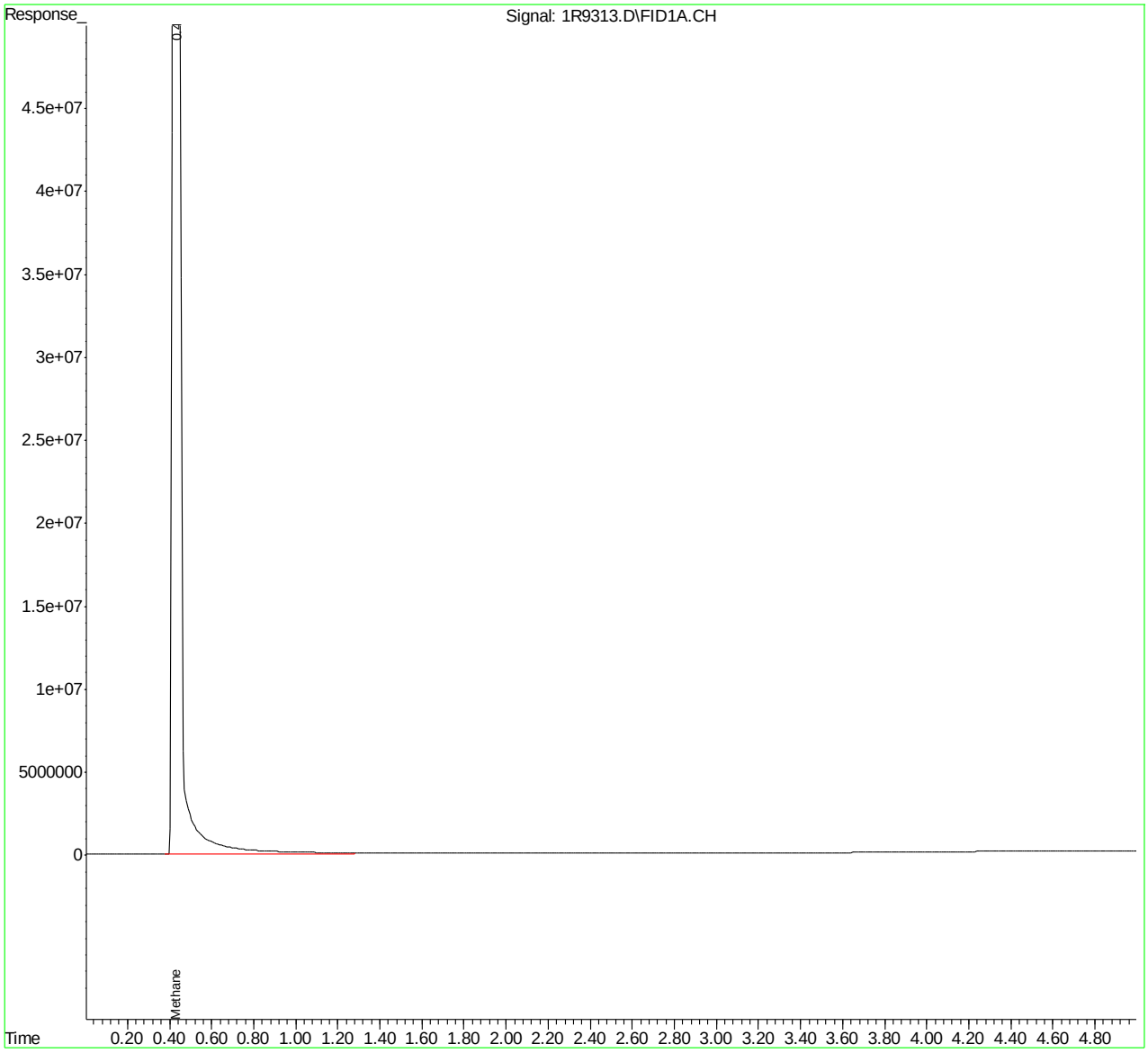
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9313.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 14:13:09
Operator : TRANGD
Sample : fa98517-3, 2x
Misc : gc23884,G1R347,38,20,500,5,2
ALS Vial : 38 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 02 08:47:23 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Fri Sep 02 08:56:58 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	FA98517-3	**Sample Volume:**	38.0 ml
Lab FileID:	1R9313.D	**Headspace:**	5.0 ml
Injection Time:	09/01/22 14:13	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	4661.97	37600	1040	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9290.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 10:44:24
Operator : TRANGD
Sample : fa98517-4
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 10:50:12 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.431	19415609479	34318.953	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv d
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv d

(f)=RT Delta > 1/2 Window (m)=manual int.

9.15

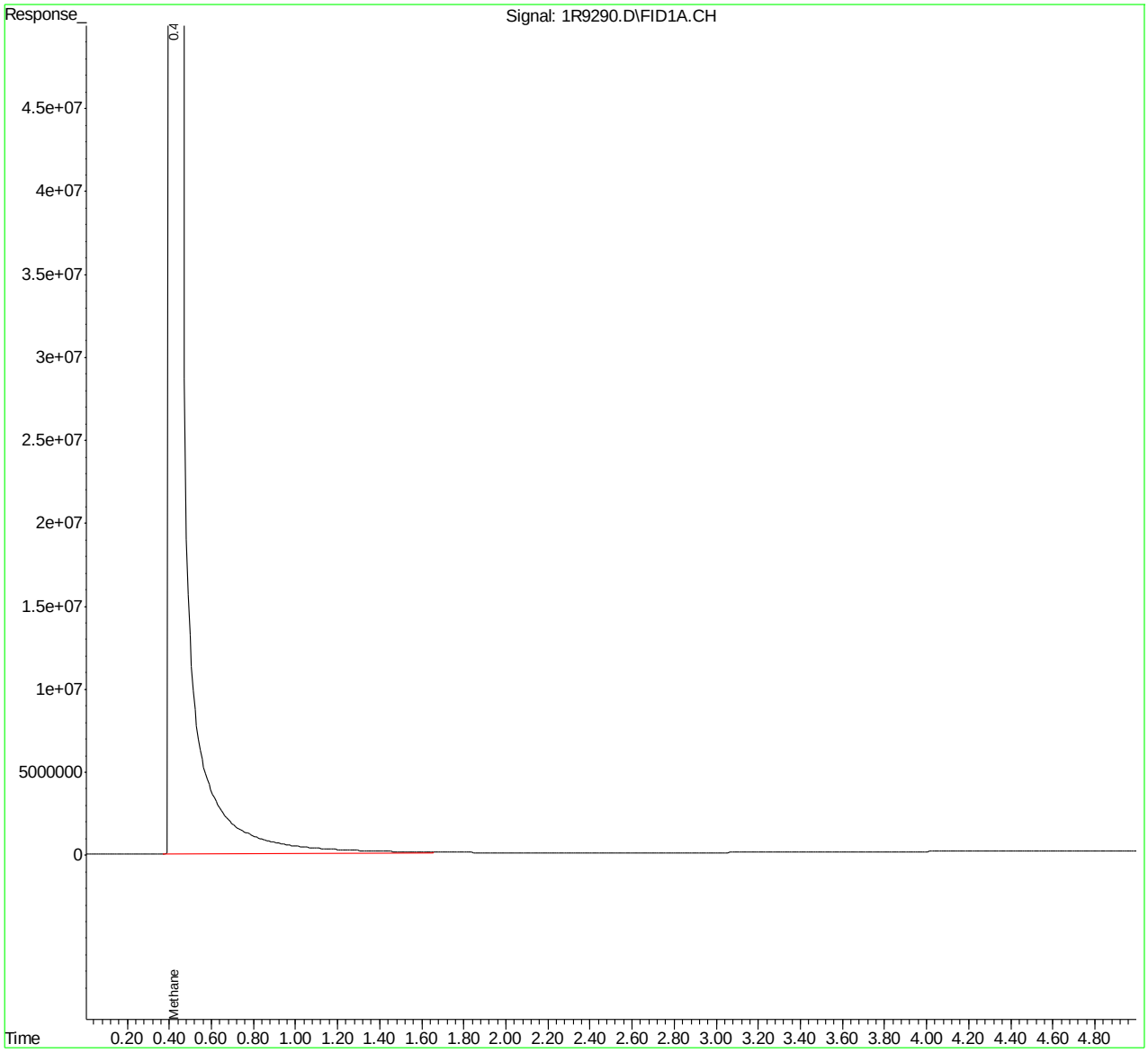
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9290.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 10:44:24
Operator : TRANGD
Sample : fa98517-4
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 10:50:12 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Fri Sep 02 08:56:28 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	FA98517-4	**Sample Volume:**	38.0 ml
Lab FileID:	1R9290.D	**Headspace:**	5.0 ml
Injection Time:	09/01/22 10:44	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	34318.95	37600	3820	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9307.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 13:20:12
Operator : TRANGD
Sample : fa98517-4, 10x
Misc : gc23884,G1R347,38,20,500,5,10
ALS Vial : 32 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 13:25:36 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.429	2747560103	4856.576	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv d
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv d

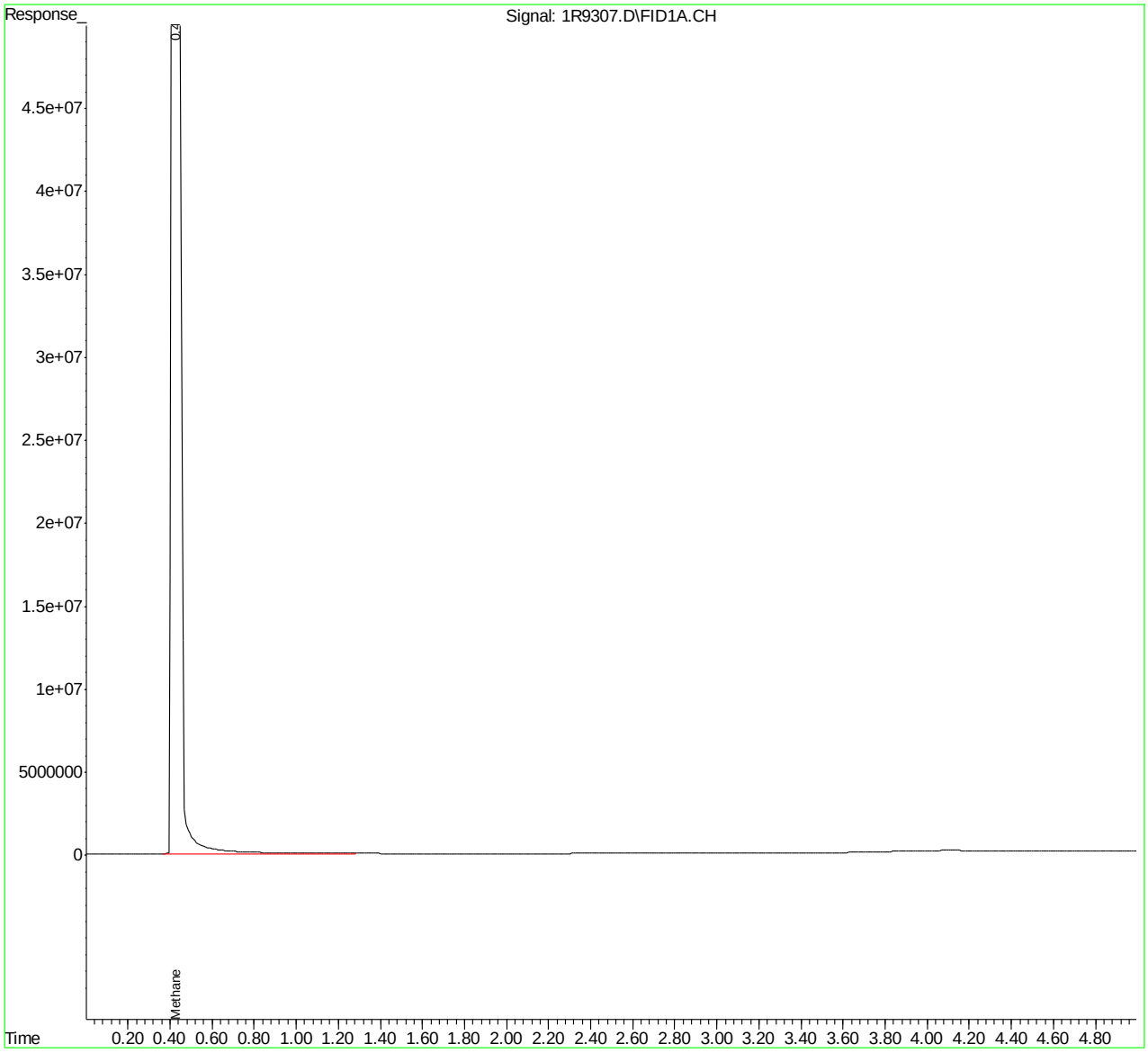
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9307.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 13:20:12
Operator : TRANGD
Sample : fa98517-4, 10x
Misc : gc23884,G1R347,38,20,500,5,10
ALS Vial : 32 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 13:25:36 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98517-4	**Sample Volume:**	38.0 ml
Lab FileID:	1R9307.D	**Headspace:**	5.0 ml
Injection Time:	09/01/22 13:20	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	4856.58	37600	5400	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9314.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 14:20:58
Operator : TRANGD
Sample : fa98517-5
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 39 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 02 08:47:51 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.435	38683298	68.376	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv d

(f)=RT Delta > 1/2 Window (m)=manual int.

9.1.7

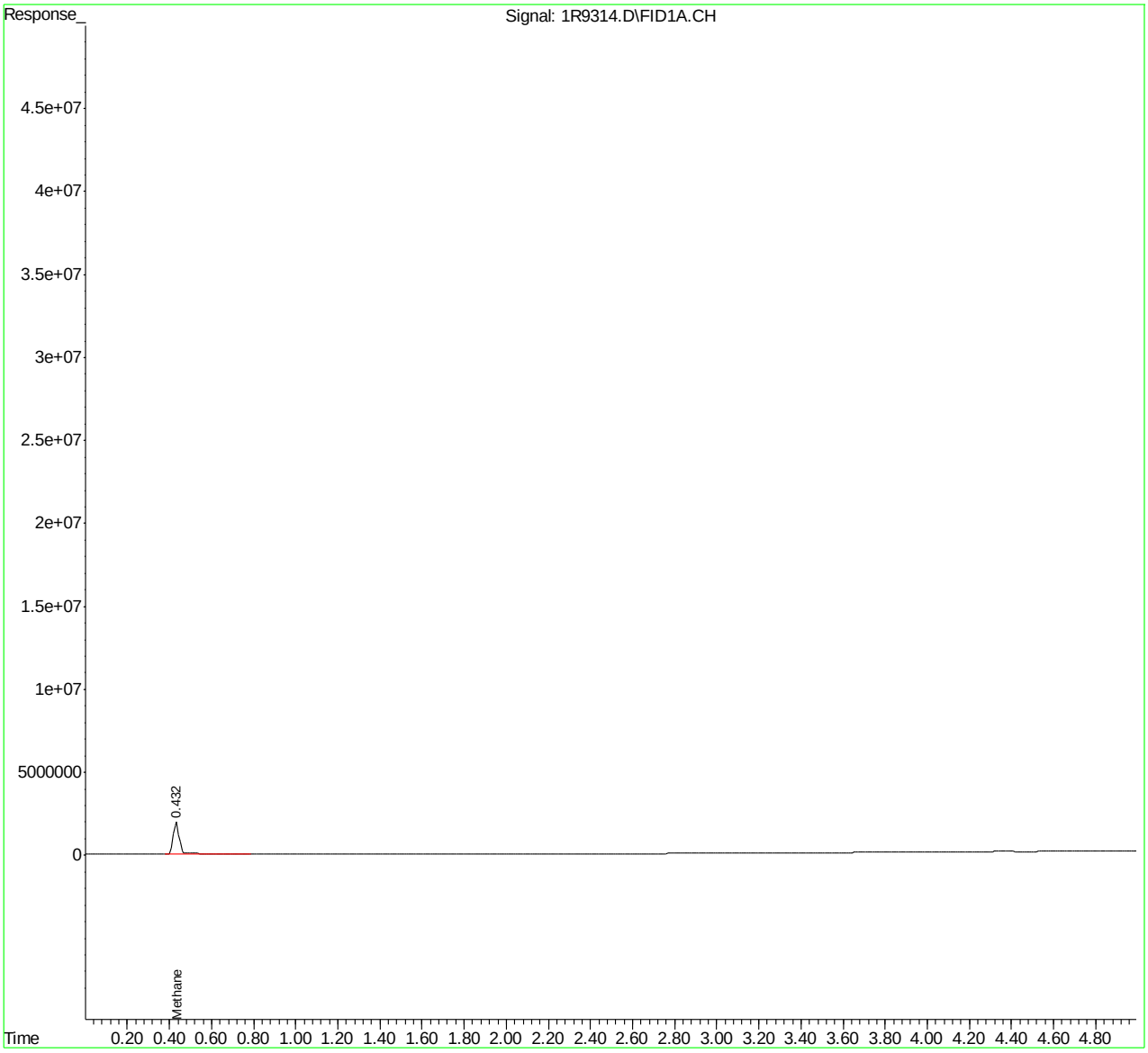
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9314.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 14:20:58
Operator : TRANGD
Sample : fa98517-5
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 39 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 02 08:47:51 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Fri Sep 02 08:57:00 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	FA98517-5	**Sample Volume:**	38.0 ml
Lab FileID:	1R9314.D	**Headspace:**	5.0 ml
Injection Time:	09/01/22 14:20	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	68.38	37600	7.6	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9292.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 11:02:27
Operator : TRANGD
Sample : fa98517-7
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 11:08:04 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.432	41541312074	73428.255	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv d
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv d

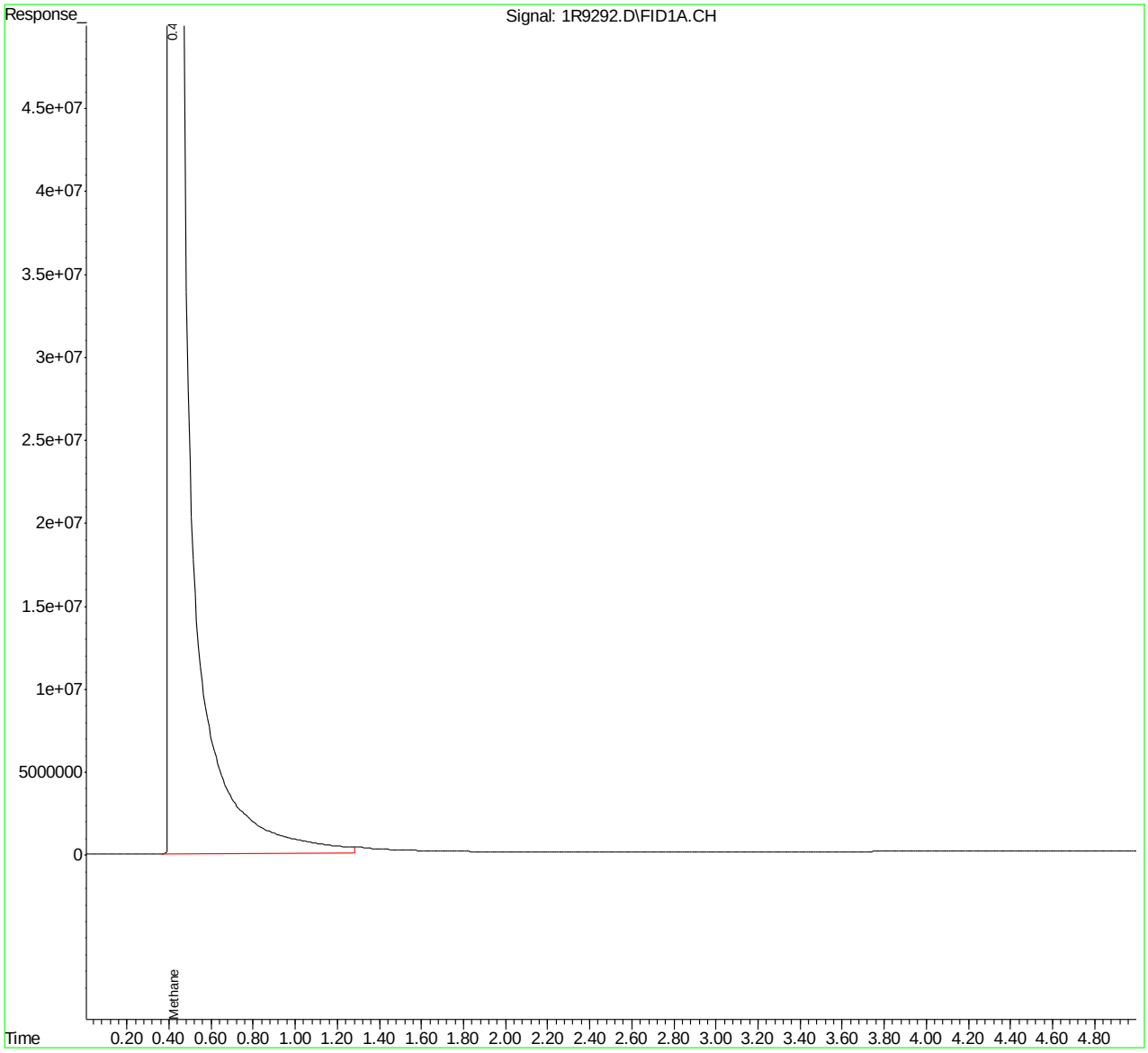
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9292.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 11:02:27
Operator : TRANGD
Sample : fa98517-7
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 11:08:04 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Fri Sep 02 08:56:32 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	FA98517-7	**Sample Volume:**	38.0 ml
Lab FileID:	1R9292.D	**Headspace:**	5.0 ml
Injection Time:	09/01/22 11:02	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	73428.26	37600	8160	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9315.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 14:28:54
Operator : TRANGD
Sample : fa98517-7, 20x
Misc : gc23884,G1R347,38,20,500,5,20
ALS Vial : 40 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 02 08:48:11 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.434	2398994074	4240.452	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv d
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv d

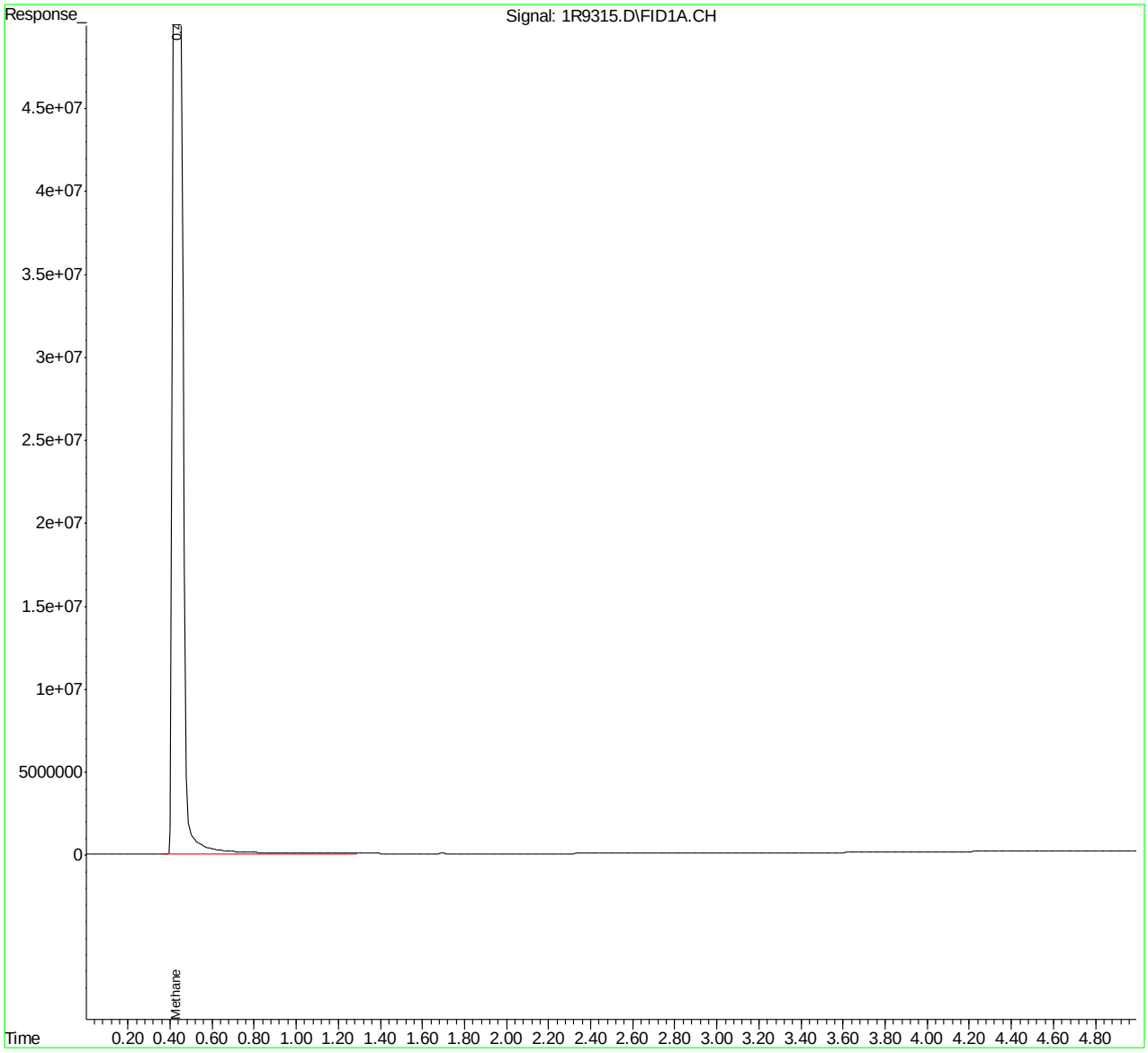
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9315.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 14:28:54
Operator : TRANGD
Sample : fa98517-7, 20x
Misc : gc23884,G1R347,38,20,500,5,20
ALS Vial : 40 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 02 08:48:11 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Fri Sep 02 08:57:02 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	FA98517-7	**Sample Volume:**	38.0 ml
Lab FileID:	1R9315.D	**Headspace:**	5.0 ml
Injection Time:	09/01/22 14:28	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	4240.45	37600	9430	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9282.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 09:15:51
Operator : TRANGD
Sample : mb
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 09:23:10 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.000	0	N.D.	ppmv d
2)	Acetylene	0.000	0	N.D.	ppmv d
3)	Ethylene	0.000	0	N.D.	ppmv d
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv d

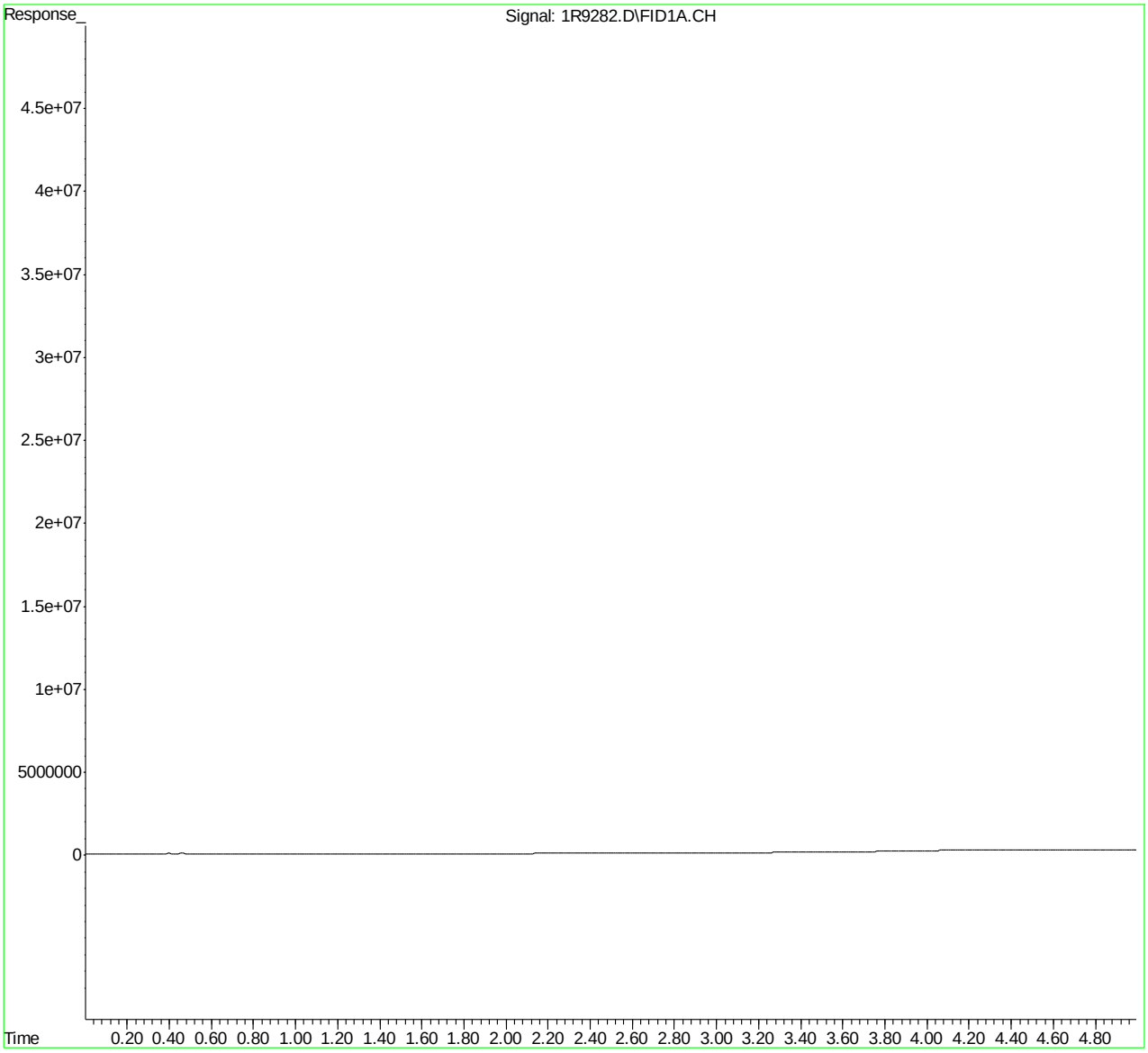
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9282.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 09:15:51
Operator : TRANGD
Sample : mb
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 09:23:10 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	G1R347-MB	**Sample Volume:**	38.0 ml
Lab FileID:	1R9282.D	**Headspace:**	5.0 ml
Injection Time:	09/01/22 09:15	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	0	37600	0.0	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9279.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 08:51:07
Operator : TRANGD
Sample : bs
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 08:56:38 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.431	507233925	896.585	ppmv
2)	Acetylene	0.994	1071770714	1059.321	ppmv
3)	Ethylene	1.311	901751644	890.618	ppmv
4)	Ethane	1.683	894815396	883.707	ppmv
5)	Propane	4.234	1179816913	902.631	ppmv

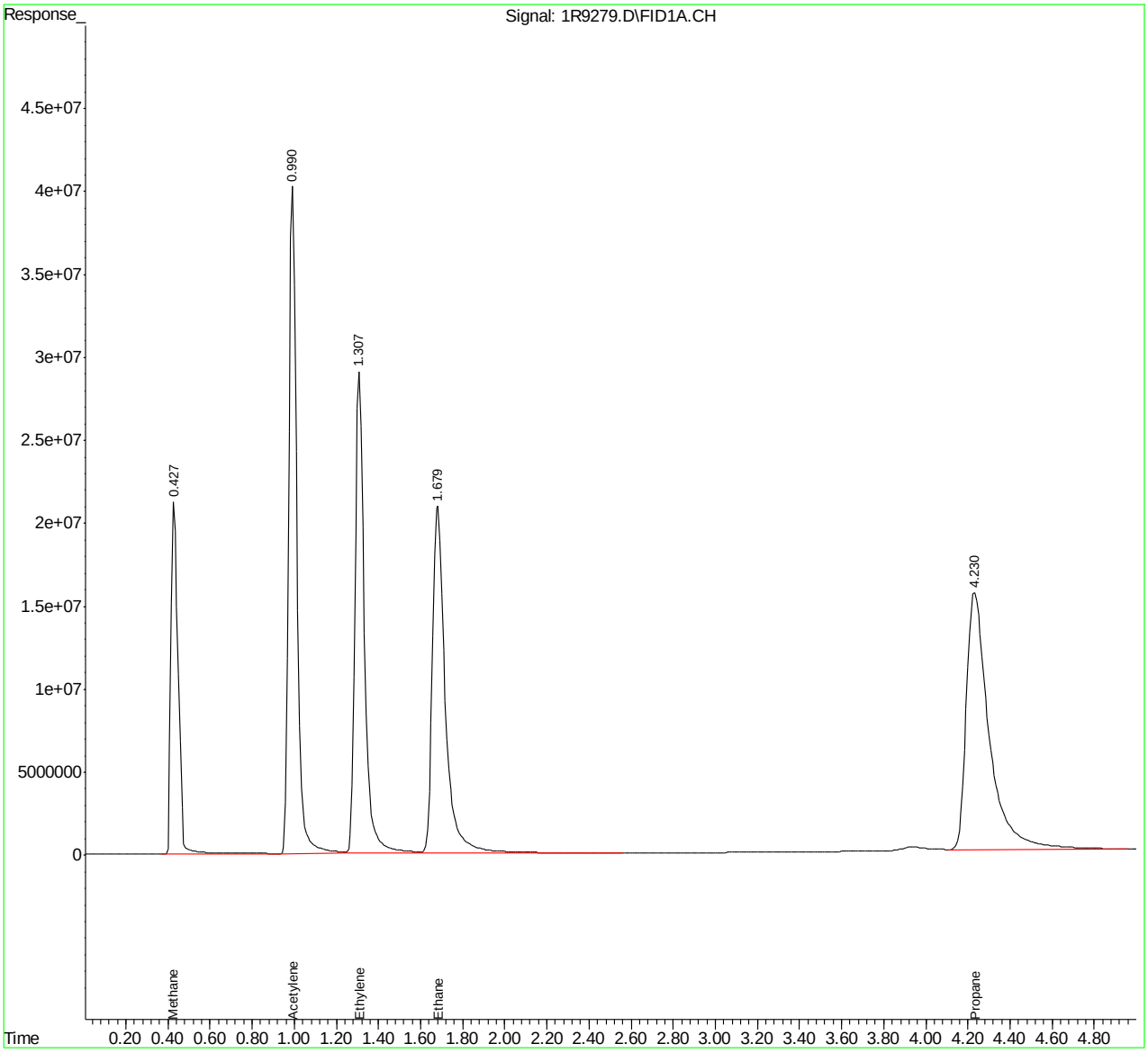
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9279.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 08:51:07
Operator : TRANGD
Sample : bs
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 08:56:38 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	G1R347-BS	**Sample Volume:**	38.0 ml
Lab FileID:	1R9279.D	**Headspace:**	5.0 ml
Injection Time:	09/01/22 08:51	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	896.58	37600	99.7	ug/l
Ethane	74-84-0	30	883.71	26300	201	ug/l
Ethene	74-85-1	28	890.62	10200	272	ug/l
Acetylene	74-86-2	26	1059.32	11940	279	ug/l
Propane	74-98-6	44	902.63	31474	287	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9280.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 08:59:37
Operator : TRANGD
Sample : bsd
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 09:04:49 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.430	521049773	921.005	ppmv
2)	Acetylene	0.992	1136193594	1120.352	ppmv
3)	Ethylene	1.309	941060104	929.441	ppmv
4)	Ethane	1.682	933913192	922.320	ppmv
5)	Propane	4.234	1233762737	943.903	ppmv

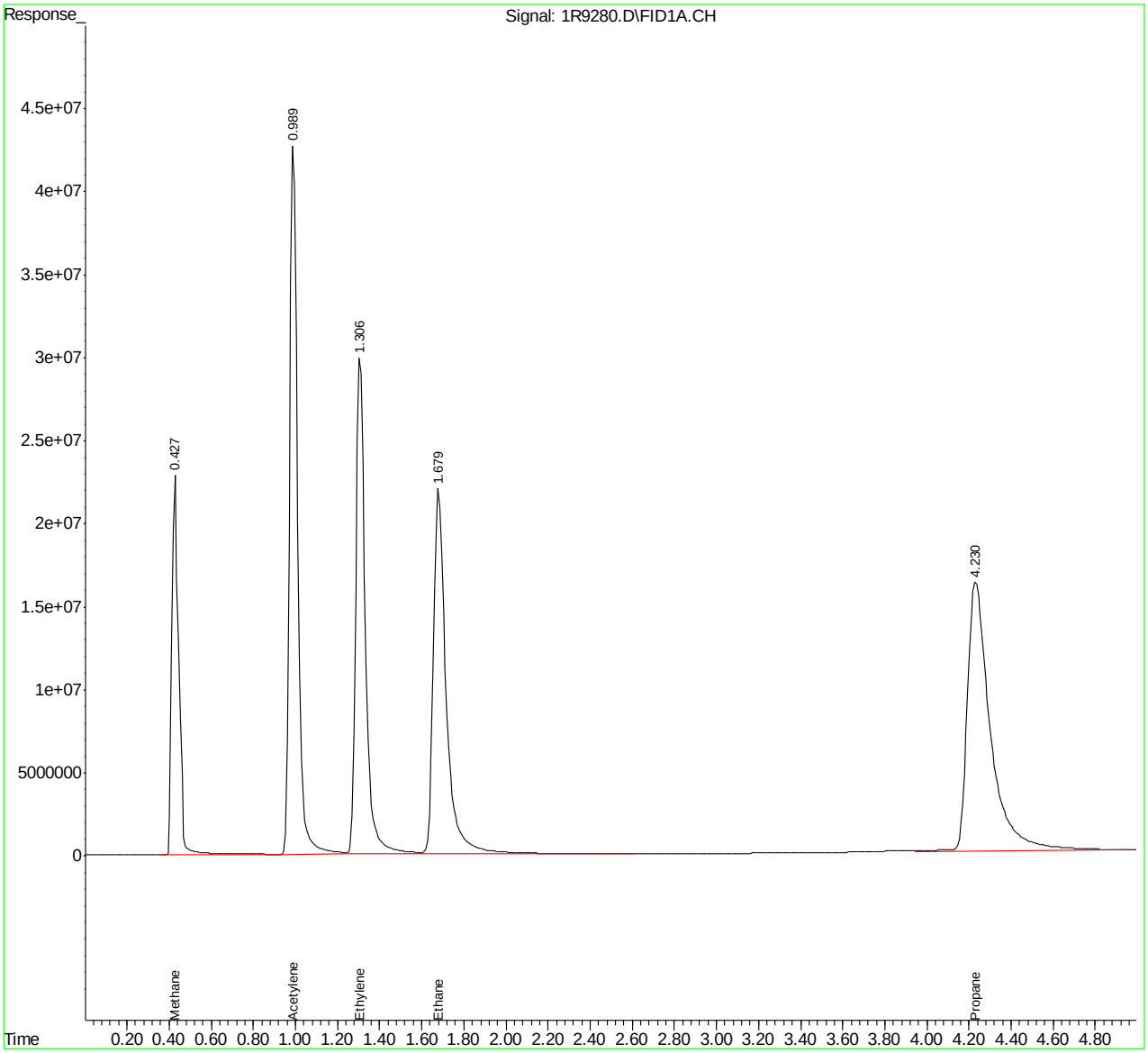
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9280.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 08:59:37
Operator : TRANGD
Sample : bsd
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 09:04:49 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	G1R347-BSD	**Sample Volume:**	38.0 ml
Lab FileID:	1R9280.D	**Headspace:**	5.0 ml
Injection Time:	09/01/22 08:59	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	921.01	37600	102	ug/l
Ethane	74-84-0	30	922.32	26300	210	ug/l
Ethene	74-85-1	28	929.44	10200	284	ug/l
Acetylene	74-86-2	26	1120.35	11940	295	ug/l
Propane	74-98-6	44	943.9	31474	301	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9309.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 13:40:28
Operator : TRANGD
Sample : fa98517-4ms, 10x
Misc : gc23884,G1R347,38,20,500,5,10
ALS Vial : 34 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 13:45:37 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.431	3311814350	5853.950	ppmv
2)	Acetylene	0.992	1002758761	993.633	ppmv
3)	Ethylene	1.309	900260875	889.145	ppmv
4)	Ethane	1.681	907174648	895.913	ppmv
5)	Propane	4.234	1186954595	908.092	ppmv

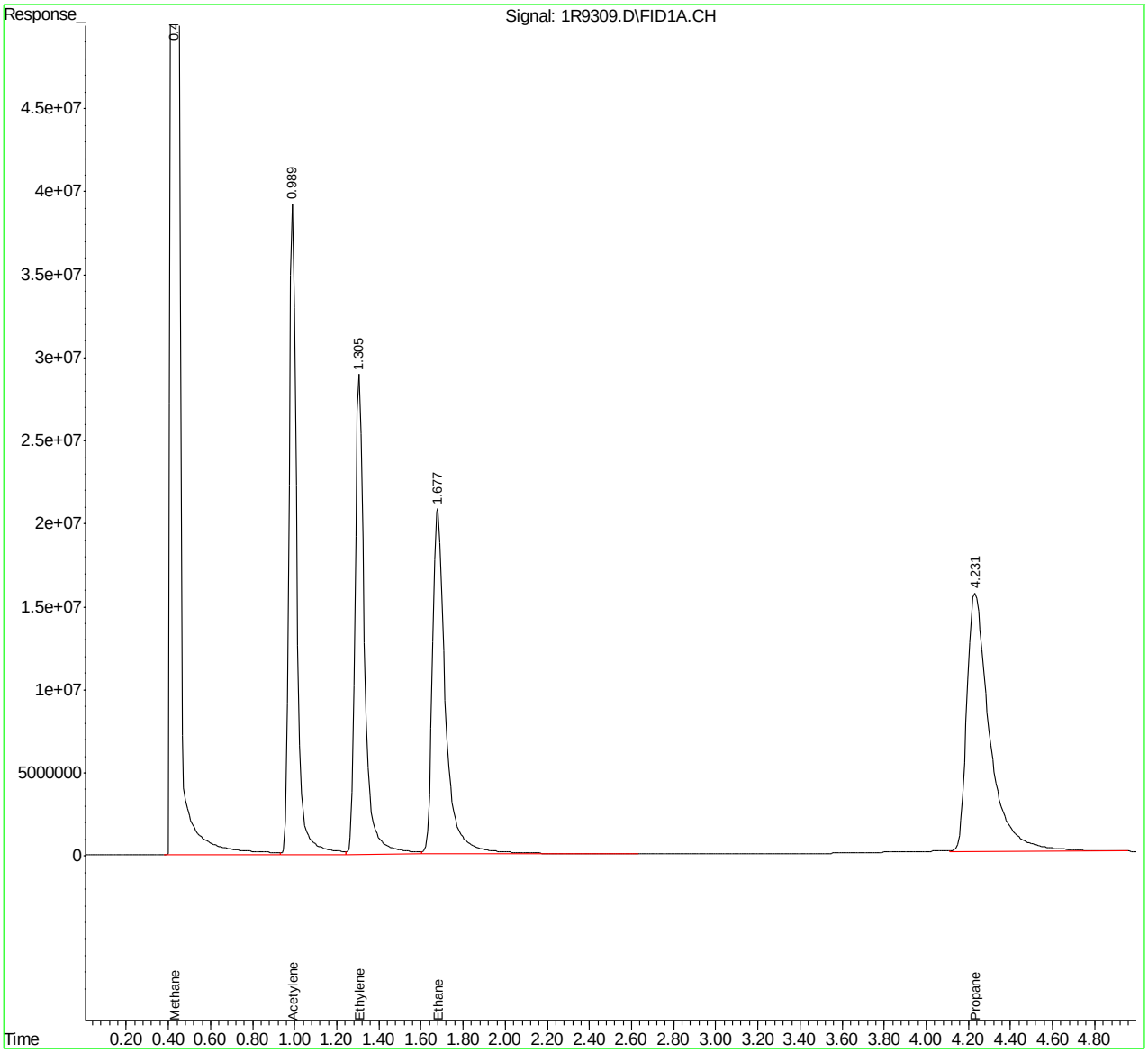
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9309.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 13:40:28
Operator : TRANGD
Sample : fa98517-4ms, 10x
Misc : gc23884,G1R347,38,20,500,5,10
ALS Vial : 34 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 13:45:37 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98517-4MS	**Sample Volume:**	38.0 ml
Lab FileID:	1R9309.D	**Headspace:**	5.0 ml
Injection Time:	09/01/22 13:40	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	5853.95	37600	6510	ug/l
Ethane	74-84-0	30	895.91	26300	2040	ug/l
Ethene	74-85-1	28	889.15	10200	2720	ug/l
Acetylene	74-86-2	26	993.63	11940	2610	ug/l
Propane	74-98-6	44	908.09	31474	2890	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9308.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 13:28:05
Operator : TRANGD
Sample : fa98517-4dup, 10x
Misc : gc23884,G1R347,38,20,500,5,10
ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 13:33:28 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.429	2781221525	4916.076	ppmv
2)	Acetylene	0.000	0	N.D.	ppmv
3)	Ethylene	0.000	0	N.D.	ppmv
4)	Ethane	0.000	0	N.D.	ppmv d
5)	Propane	0.000	0	N.D.	ppmv d

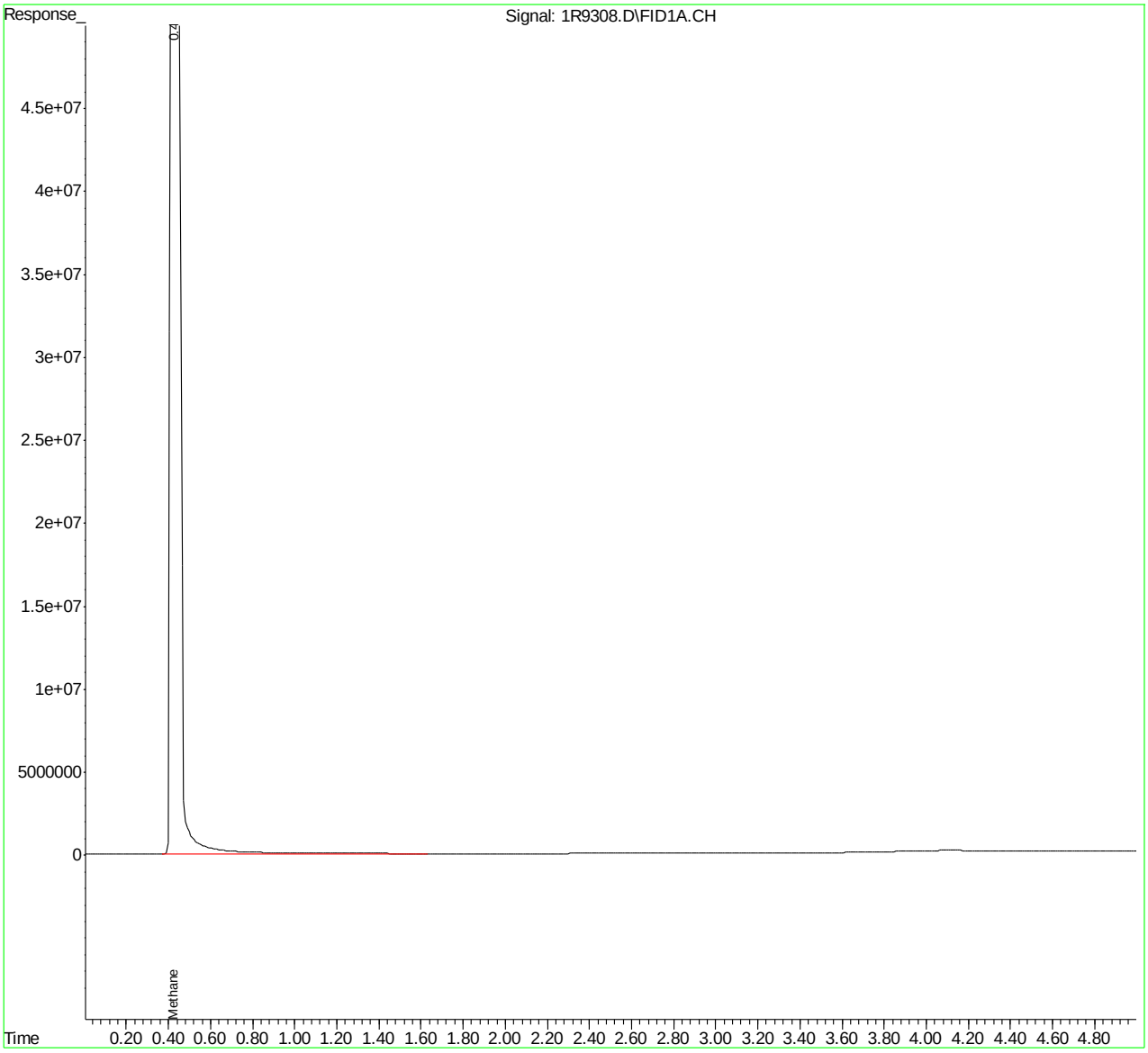
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9308.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 13:28:05
Operator : TRANGD
Sample : fa98517-4dup, 10x
Misc : gc23884,G1R347,38,20,500,5,10
ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 13:33:28 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



RSK8-23-22.M Fri Sep 02 08:56:48 2022 Page: 2

Dissolved Gases Raw Data Summary

Sample Number:	FA98517-4DUP	**Sample Volume:**	38.0 ml
Lab FileID:	1R9308.D	**Headspace:**	5.0 ml
Injection Time:	09/01/22 13:28	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	4916.08	37600	5470	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9185.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:27:38
Operator : TRANGD
Sample : ic343-1
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 15:45:27 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 14:24:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	0.421	1016905	2.094 ppmv m
2)	Acetylene	0.981	1692888	1.705 ppmv m
3)	Ethylene	1.297	1548608	1.979 ppmv m
4)	Ethane	1.669	1697734	2.164 ppmv m
5)	Propane	4.226	3178105	3.249 ppmv m

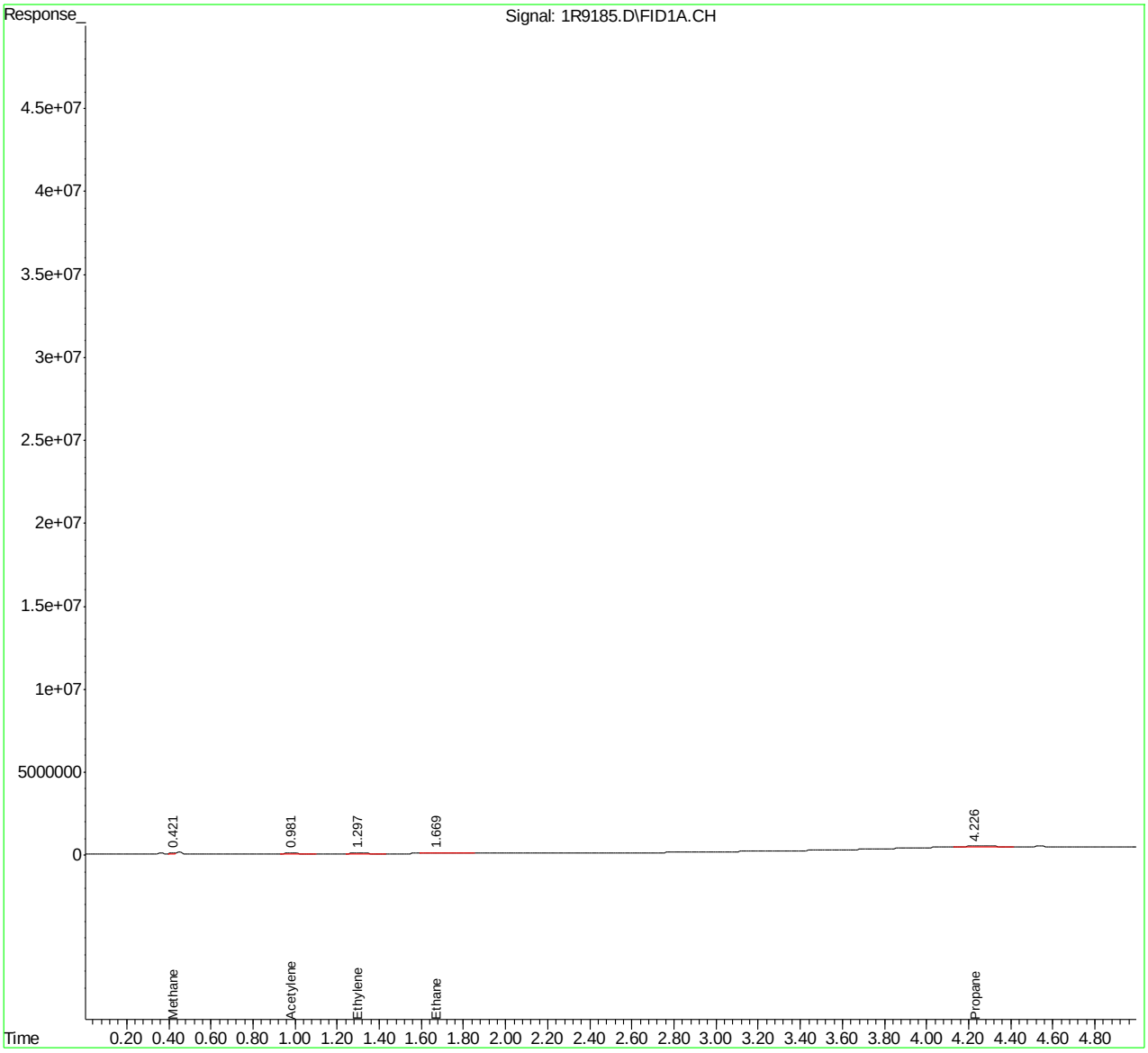
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9185.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:27:38
Operator : TRANGD
Sample : ic343-1
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 15:45:27 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 14:24:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9186.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:35:16
Operator : TRANGD
Sample : ic343-2
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 15:46:03 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 14:24:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.425	10663423	21.960	ppmv	
2)	Acetylene	0.977	17469100	17.594	ppmv	m
3)	Ethylene	1.294	15452527	19.745	ppmv	
4)	Ethane	1.661	15257897	19.447	ppmv	m
5)	Propane	4.211	20412236	20.864	ppmv	m

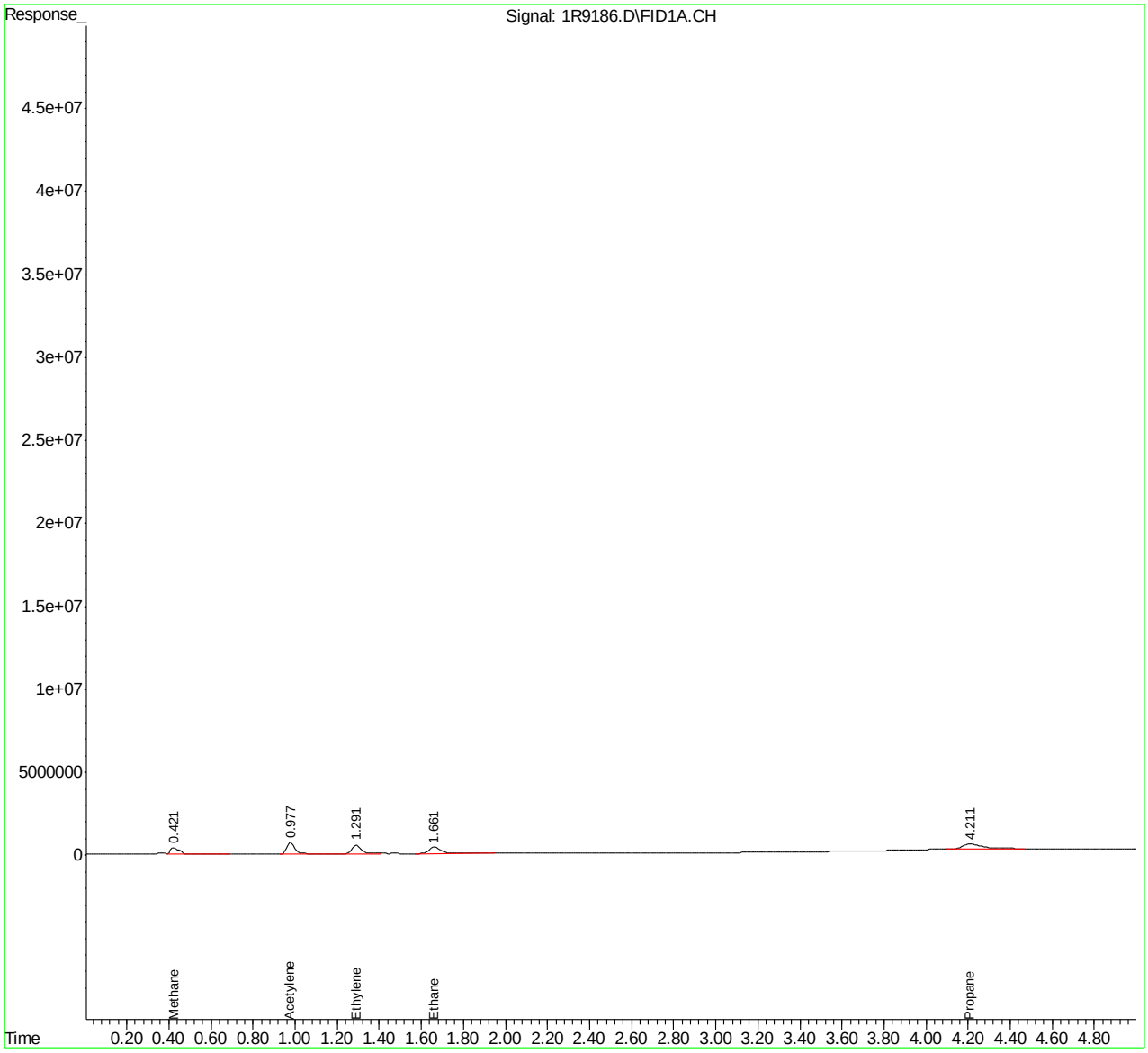
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9186.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:35:16
Operator : TRANGD
Sample : ic343-2
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 15:46:03 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 14:24:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9187.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:42:38
Operator : TRANGD
Sample : ic343-3
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 15:48:07 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 14:24:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.425	49893912	102.750	ppmv	
2)	Acetylene	0.979	81902309	82.486	ppmv	
3)	Ethylene	1.294	84911843	108.497	ppmv	
4)	Ethane	1.664	82412666	105.040	ppmv	
5)	Propane	4.210	102247534	104.513	ppmv	m

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.3

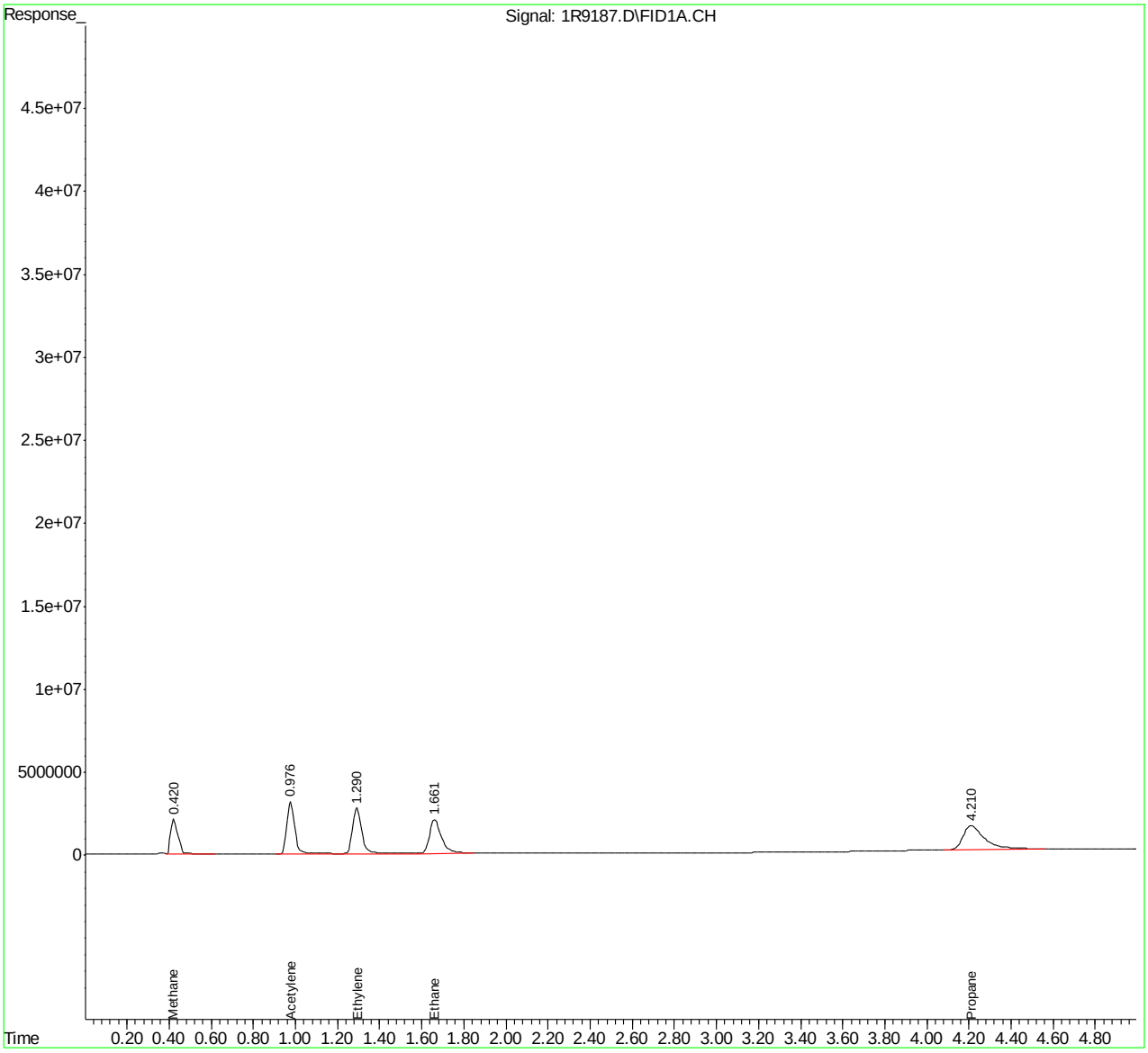
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9187.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:42:38
Operator : TRANGD
Sample : ic343-3
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 15:48:07 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 14:24:27 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9188.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:50:35
Operator : TRANGD
Sample : ic343-4
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 15:56:12 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 15:54:30 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.426	234500270	418.992	ppmv	
2)	Acetylene	0.977	424449645	401.926	ppmv	
3)	Ethylene	1.290	420303324	458.967	ppmv	
4)	Ethane	1.660	423057319	458.383	ppmv	
5)	Propane	4.204	542733298	421.338	ppmv	m

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.4

9

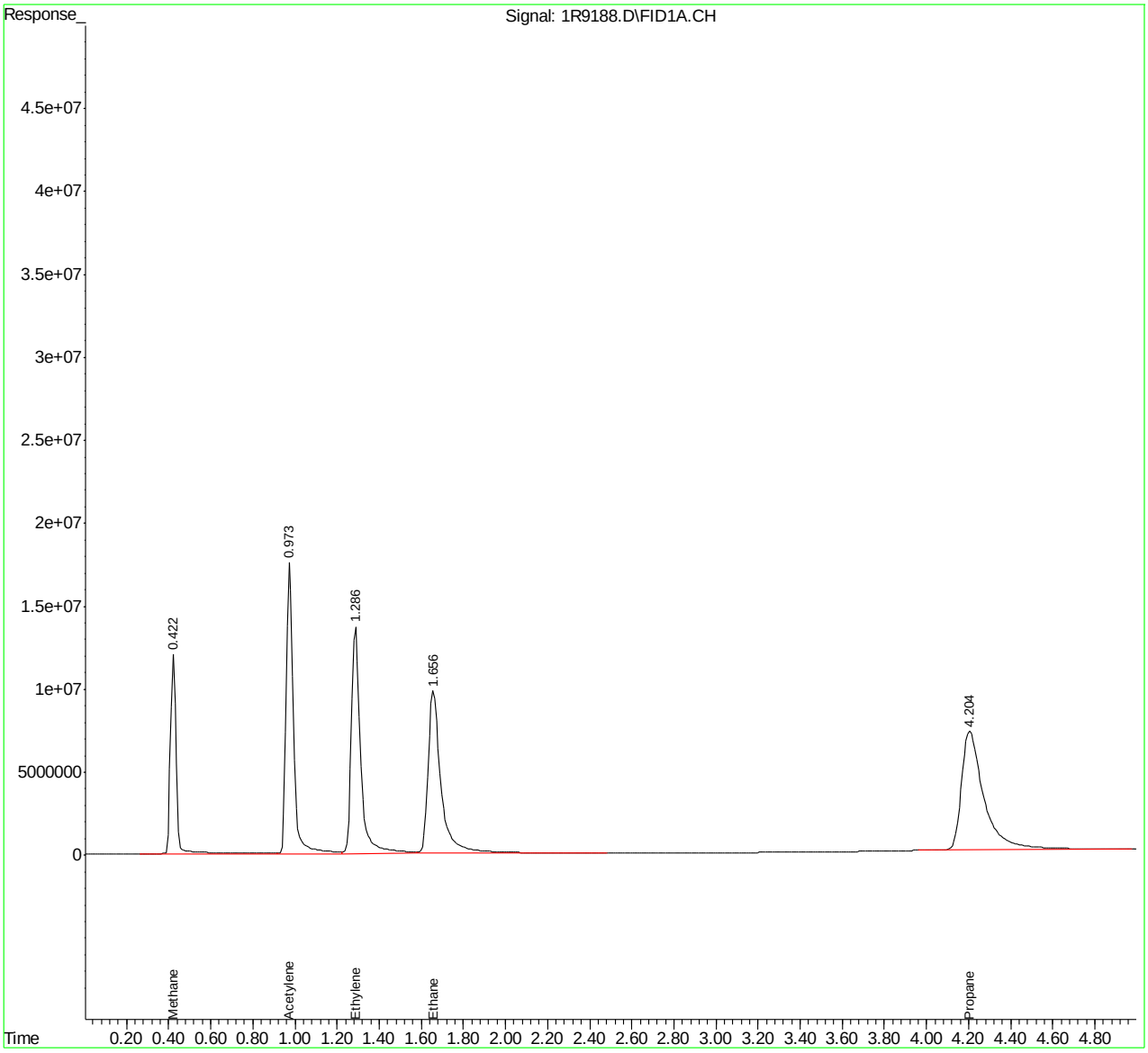
SGS FA98517

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9188.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:50:35
Operator : TRANGD
Sample : ic343-4
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 15:56:12 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 15:54:30 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9189.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:58:22
Operator : TRANGD
Sample : icc343-5
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 16:03:54 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 15:56:19 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.424	602227778	1090.582	ppmv	
2)	Acetylene	0.977	1165083268	1143.838	ppmv	
3)	Ethylene	1.289	1054031977	1167.222	ppmv	
4)	Ethane	1.657	1031441309	1131.343	ppmv	
5)	Propane	4.195	1242227752	983.515	ppmv	m

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.5

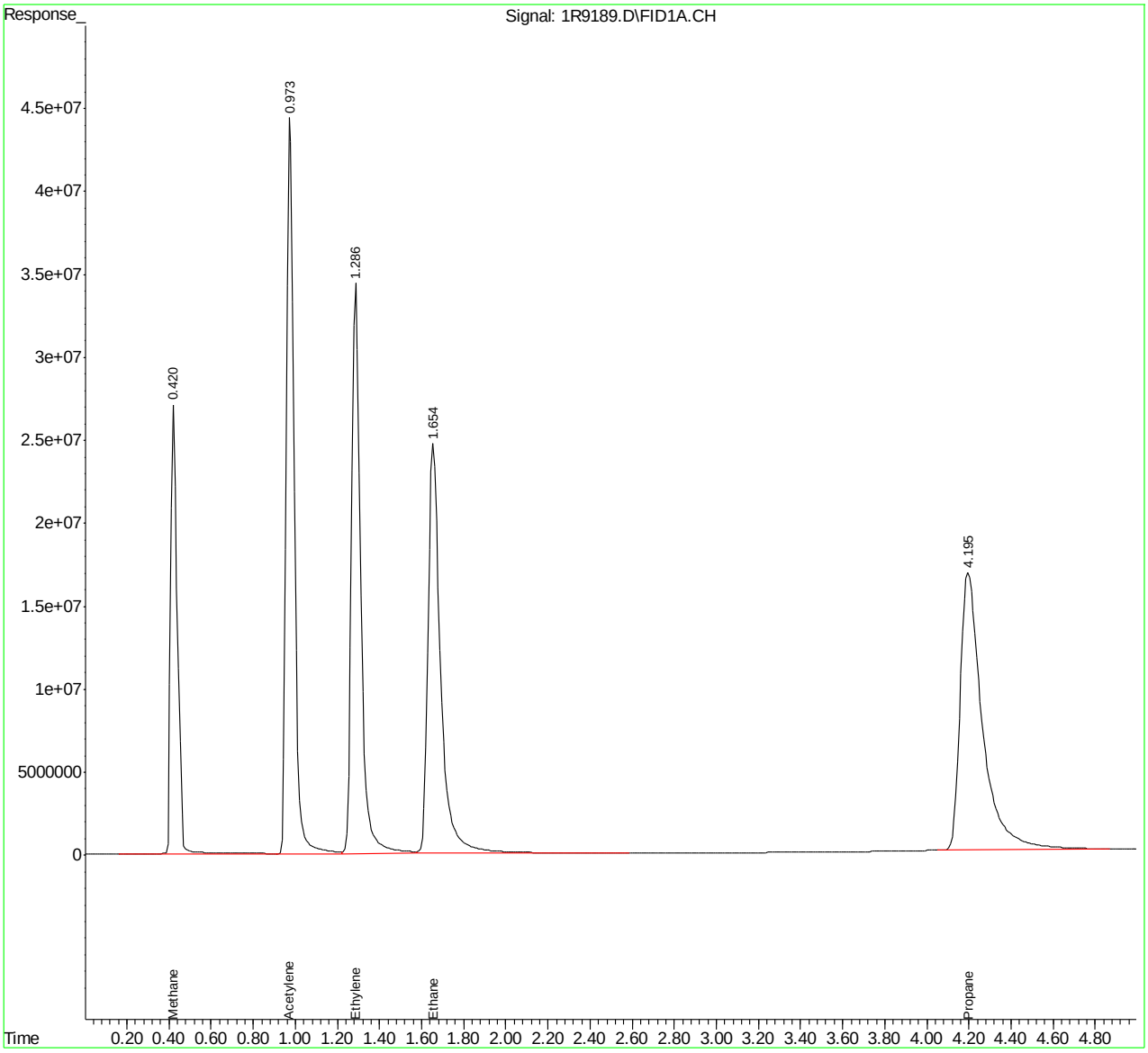
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9189.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 15:58:22
Operator : TRANGD
Sample : icc343-5
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 16:03:54 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 15:56:19 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9190.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 16:06:19
Operator : TRANGD
Sample : ic343-6
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 16:13:29 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 16:04:01 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.424	2736255124	4851.651	ppmv
2)	Acetylene	0.969	5787373212	5641.337	ppmv
3)	Ethylene	1.270	4721902025	5143.260	ppmv
4)	Ethane	1.632	4803187401	5185.223	ppmv
5)	Propane	4.157	5953414650	4695.825	ppmv

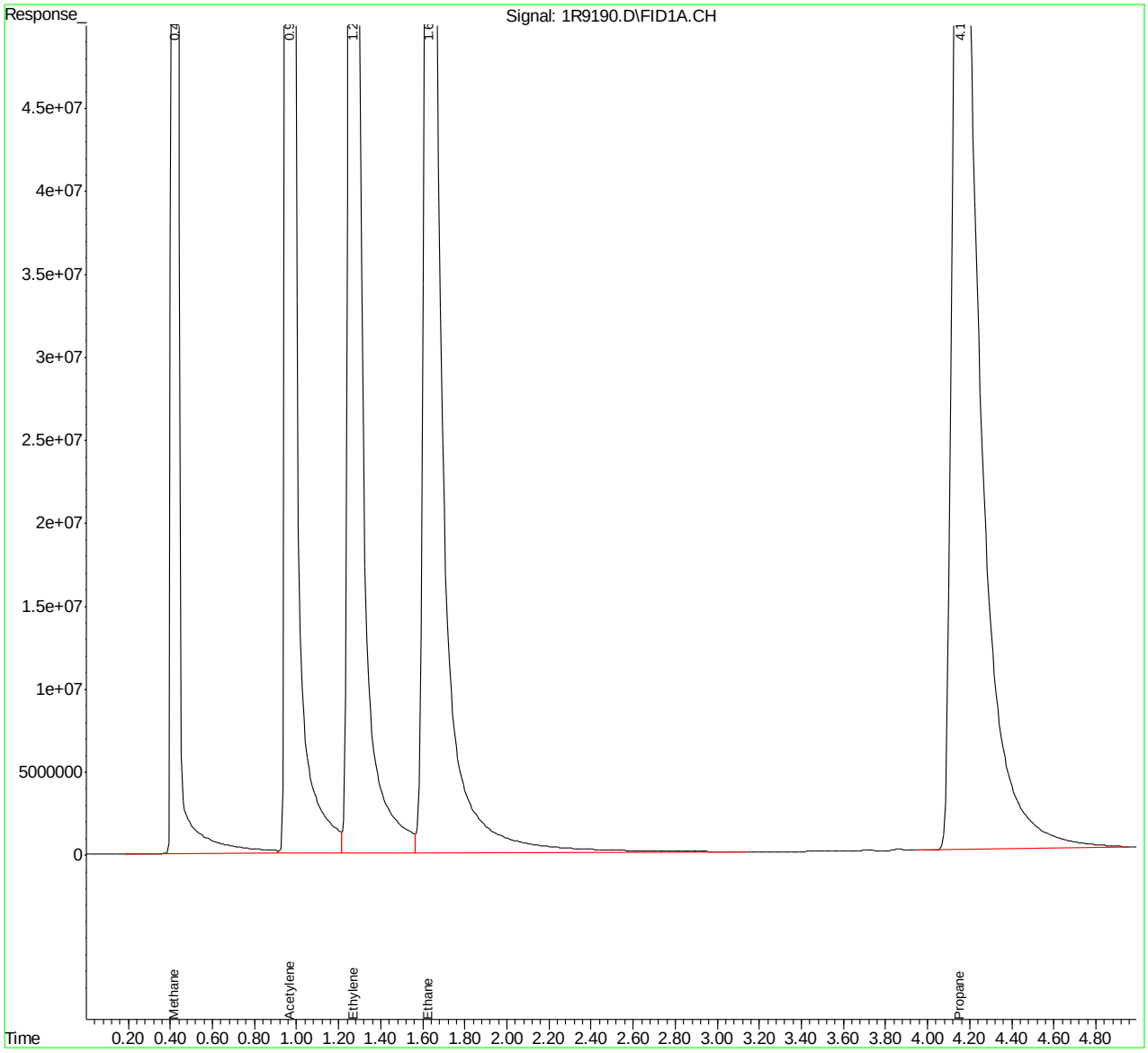
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9190.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 16:06:19
Operator : TRANGD
Sample : ic343-6
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 16:13:29 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 16:04:01 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9191.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 16:15:41
Operator : TRANGD
Sample : ic343-7
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 16:23:17 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 16:04:01 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.422	5702457543	10111.021	ppmv
2)	Acetylene	0.957	13623601056	13279.829	ppmv
3)	Ethylene	1.252	10295622382	11214.349	ppmv
4)	Ethane	1.607	10257995417	11073.895	ppmv
5)	Propane	4.108	13374185018	10549.045	ppmv

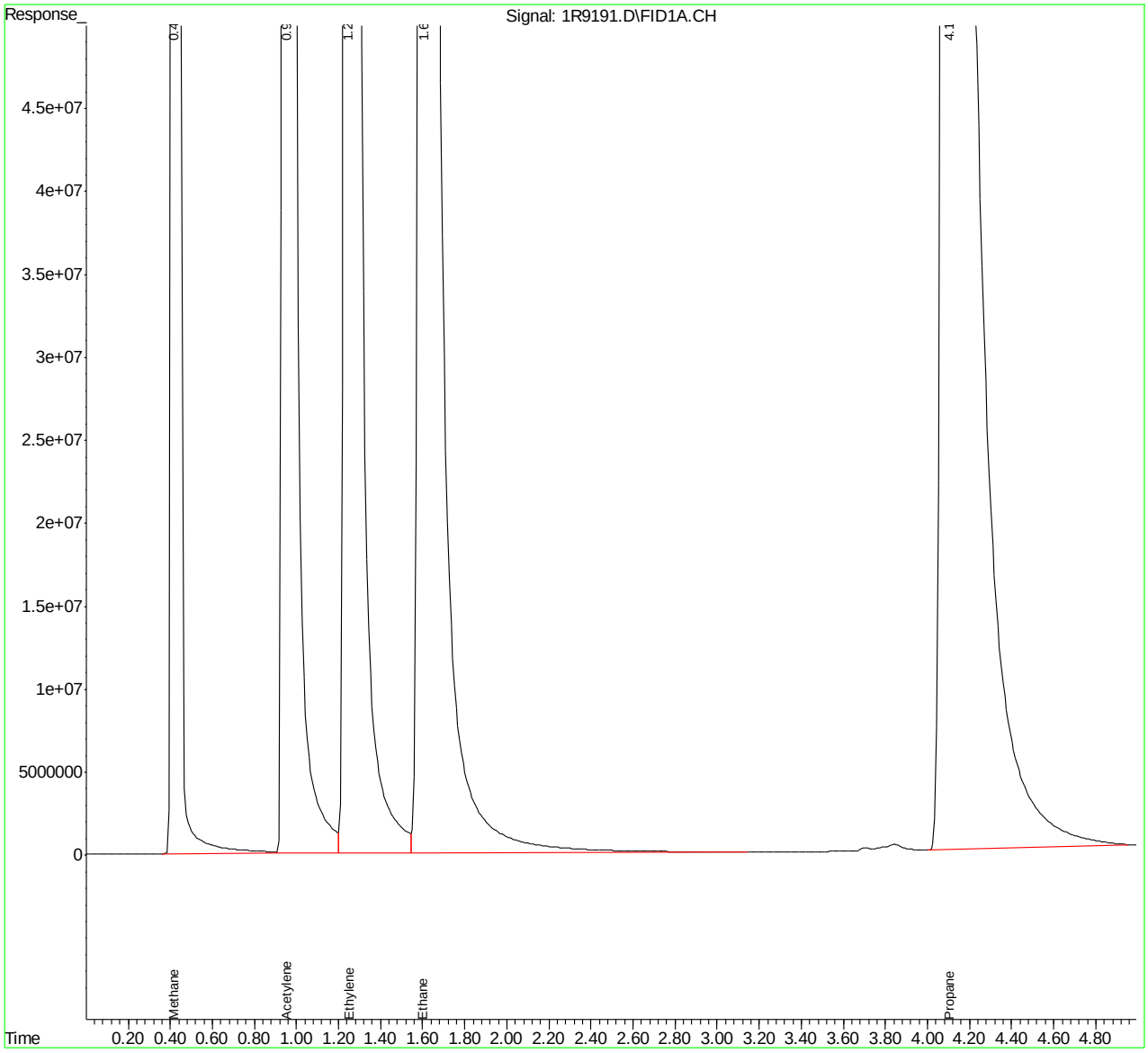
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9191.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 16:15:41
Operator : TRANGD
Sample : ic343-7
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 23 16:23:17 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Tue Aug 23 16:04:01 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9192.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 16:24:24
Operator : TRANGD
Sample : icv343-5
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 30 09:06:00 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.420	593756393	1049.521	ppmv
2)	Acetylene	0.969	958218591	951.068	ppmv
3)	Ethylene	1.284	969902545	957.927	ppmv
4)	Ethane	1.653	993442312	981.110	ppmv
5)	Propane	4.198	1263774272	966.863	ppmv

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.8

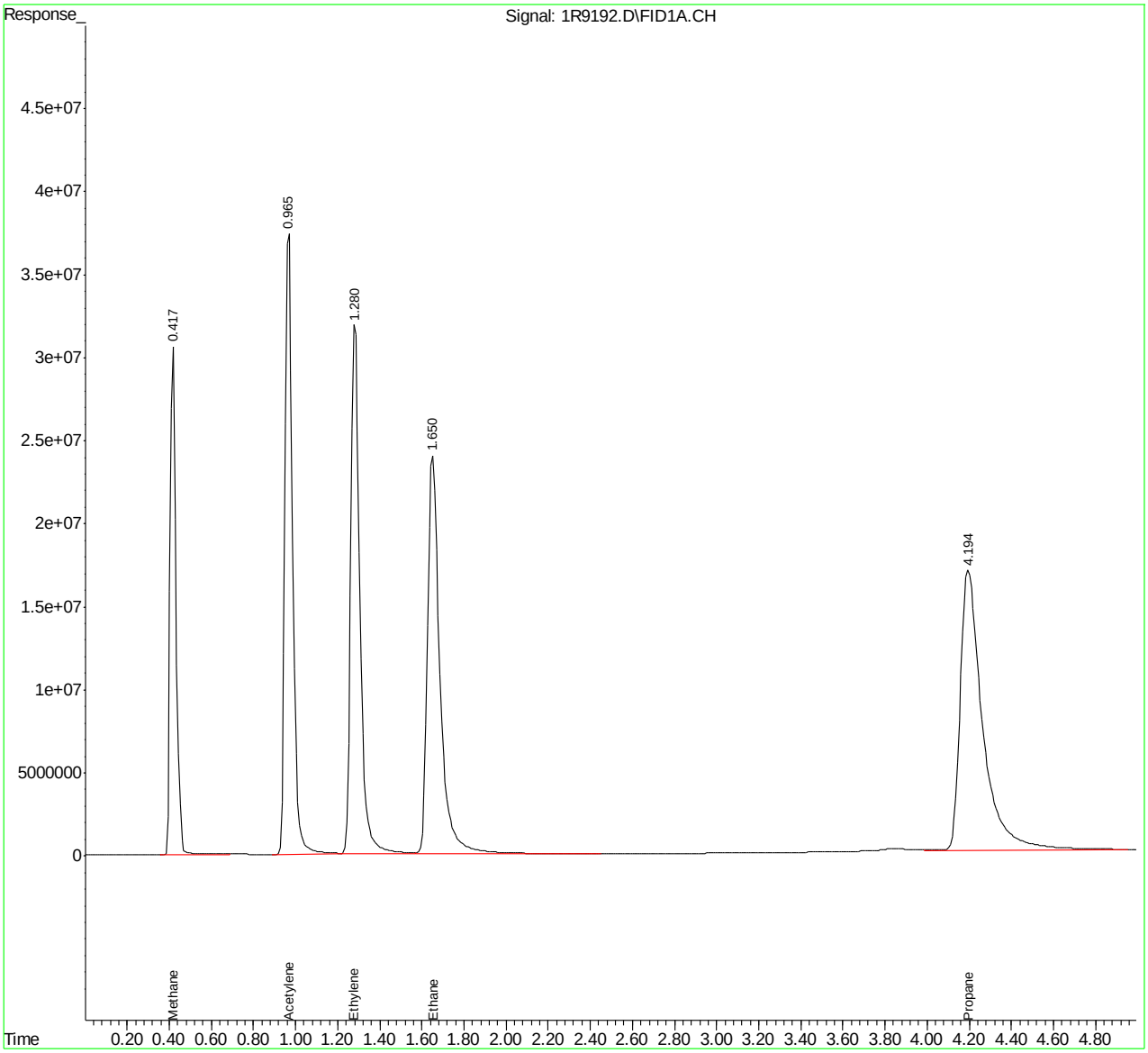
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\08-23-22\
Data File : 1R9192.D
Signal(s) : FID1A.CH
Acq On : 23-Aug-22, 16:24:24
Operator : TRANGD
Sample : icv343-5
Misc : gc23837,G1R343,38,20,500,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 30 09:06:00 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:01:53 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9277.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 08:29:03
Operator : TRANGD
Sample : cc343-5
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 08:34:37 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.431	559100266	988.263	ppmv
2)	Acetylene	0.996	1200406836	1180.911	ppmv
3)	Ethylene	1.308	1023627506	1010.989	ppmv
4)	Ethane	1.680	999718773	987.308	ppmv
5)	Propane	4.231	1317192919	1007.732	ppmv

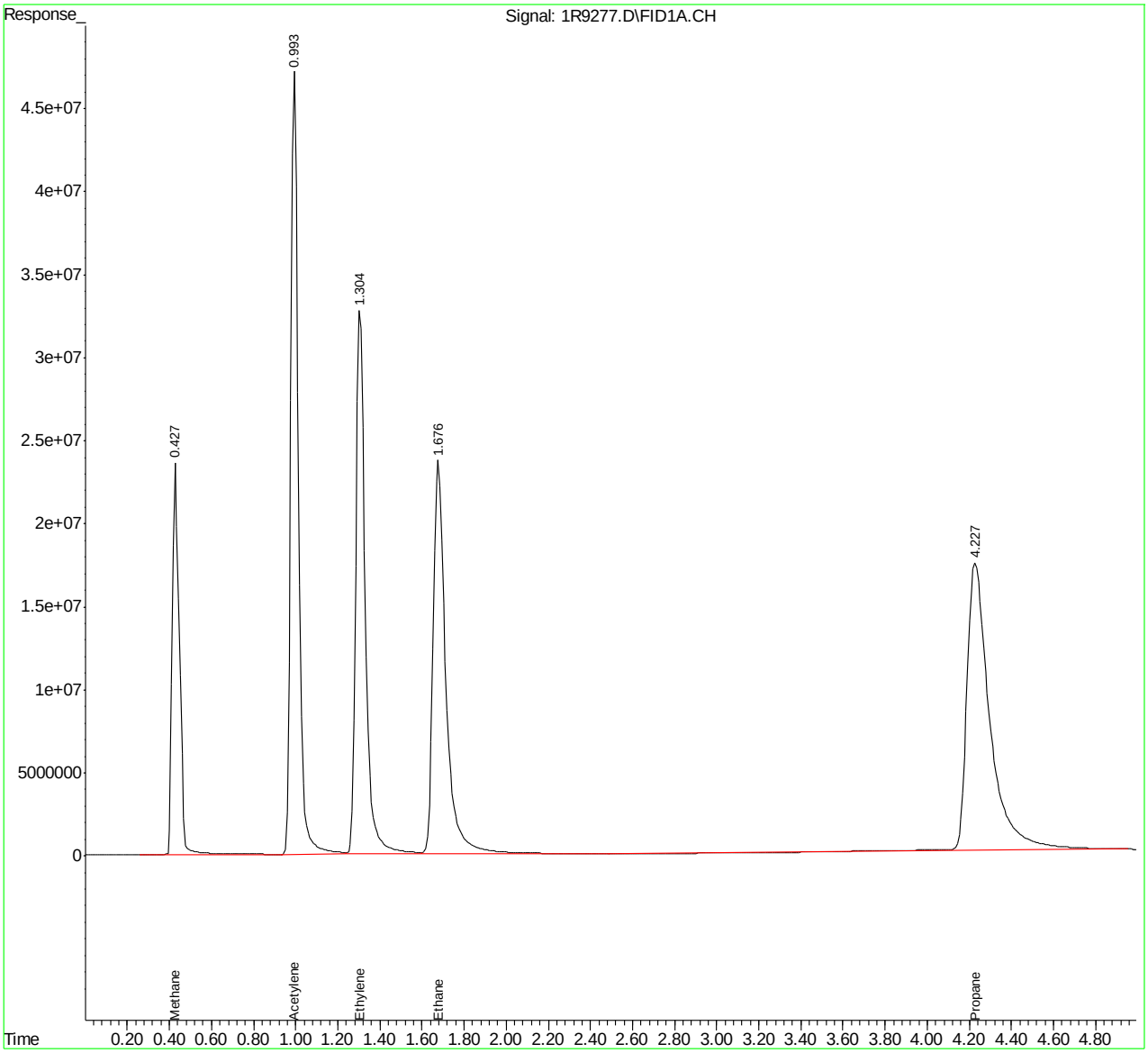
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9277.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 08:29:03
Operator : TRANGD
Sample : cc343-5
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 08:34:37 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9288.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 10:27:50
Operator : TRANGD
Sample : cc343-4
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 10:32:58 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.431	244192523	431.634	ppmv
2)	Acetylene	0.996	510615920	515.522	ppmv
3)	Ethylene	1.311	443728361	438.250	ppmv
4)	Ethane	1.685	435518481	430.112	ppmv
5)	Propane	4.243	558844399	427.550	ppmv

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.10

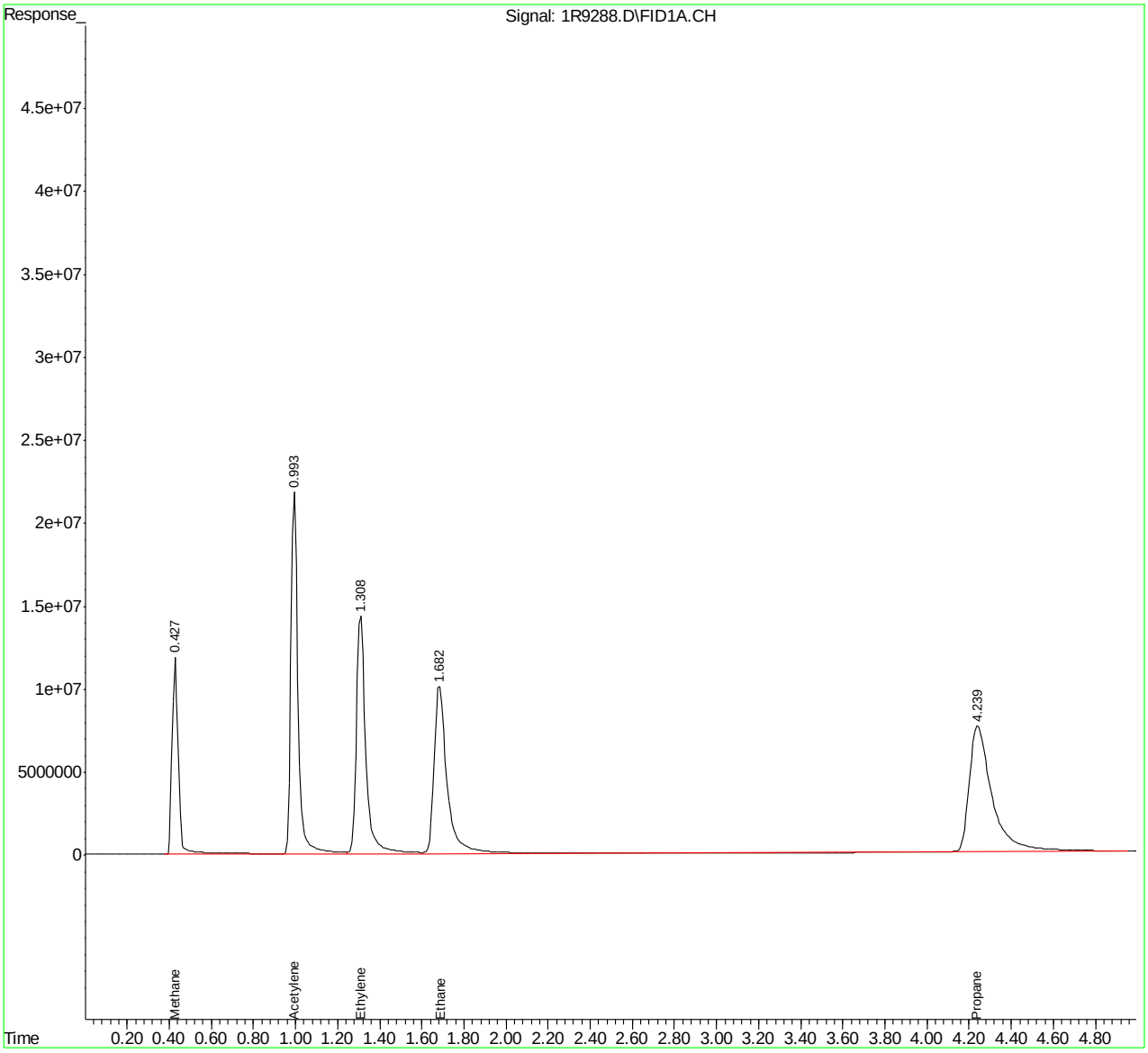
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9288.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 10:27:50
Operator : TRANGD
Sample : cc343-4
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 10:32:58 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9306.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 13:11:33
Operator : TRANGD
Sample : cc343-5
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 13:16:59 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.433	483000690	853.750	ppmv
2)	Acetylene	0.997	1041496412	1030.544	ppmv
3)	Ethylene	1.312	894662191	883.616	ppmv
4)	Ethane	1.684	882698821	871.741	ppmv
5)	Propane	4.234	1173467783	897.774	ppmv

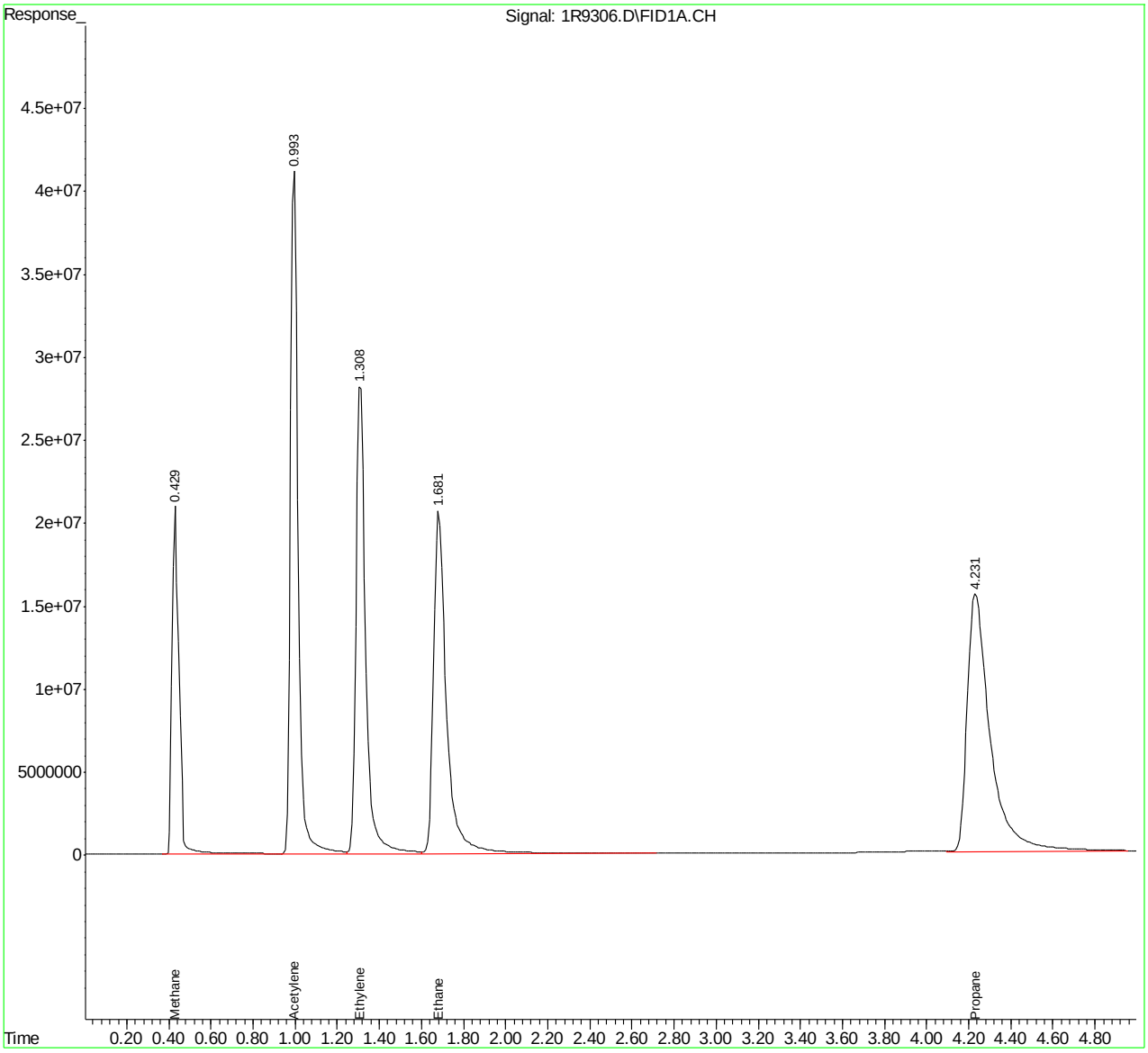
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9306.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 13:11:33
Operator : TRANGD
Sample : cc343-5
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 13:16:59 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9316.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 14:36:44
Operator : TRANGD
Sample : ecc343-5
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 41 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:42:55 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	0.432	558282596	986.818	ppmv
2)	Acetylene	0.996	1200148896	1180.669	ppmv
3)	Ethylene	1.311	1022413508	1009.790	ppmv
4)	Ethane	1.683	1001323908	988.893	ppmv
5)	Propane	4.233	1275478587	975.818	ppmv

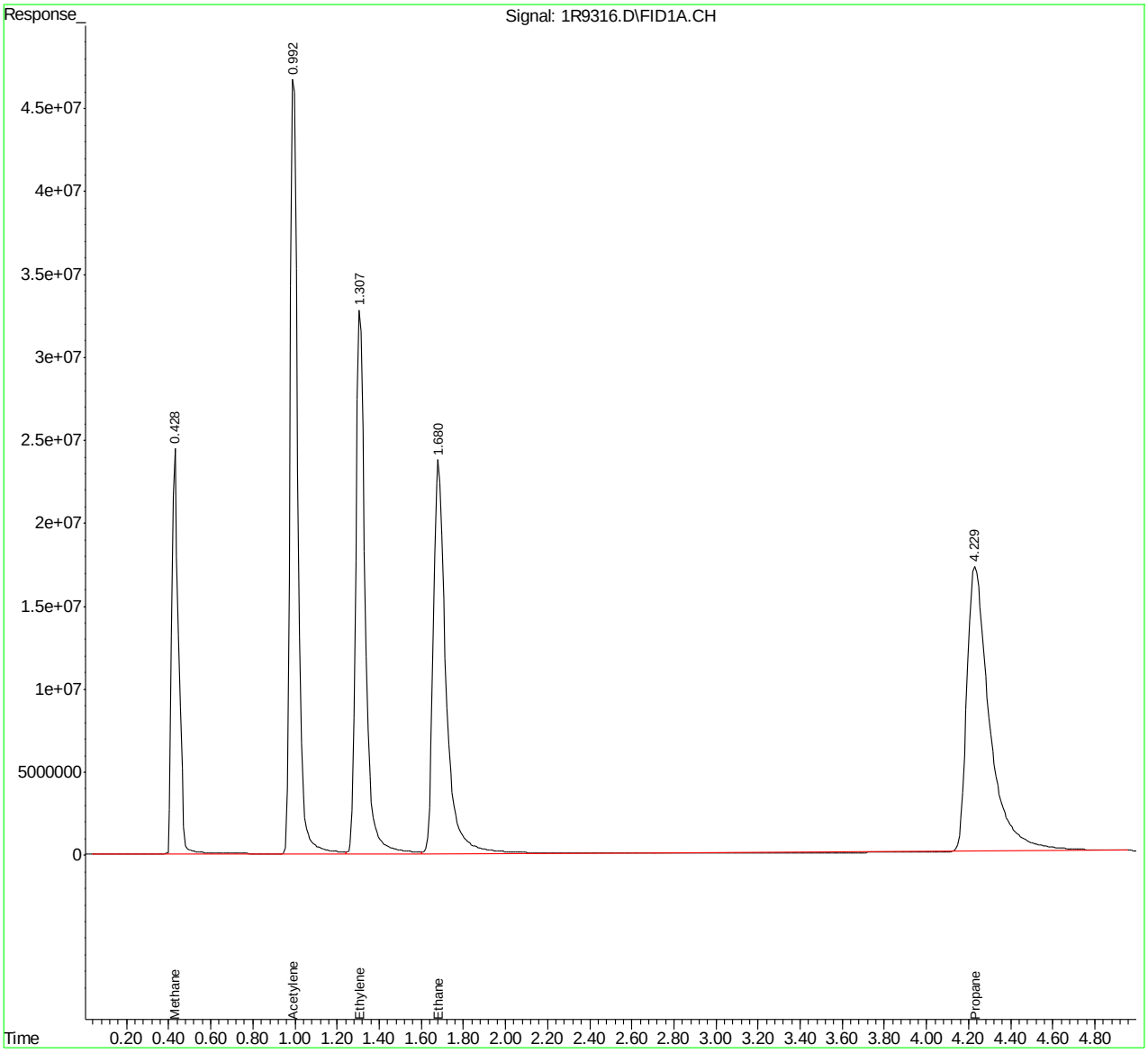
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\09-01-22\
Data File : 1R9316.D
Signal(s) : FID1A.CH
Acq On : 01-Sep-22, 14:36:44
Operator : TRANGD
Sample : ecc343-5
Misc : gc23884,G1R347,38,20,500,5,1
ALS Vial : 41 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 01 14:42:55 2022
Quant Method : C:\msdchem\1\METHODS\RSK8-23-22.M
Quant Title : Dissolved Gases in Water
QLast Update : Wed Aug 24 09:03:02 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



SGS -ORLANDO

GC VOA12-1R ANALYSIS LOG

DATE: 8/23/22	METHODS: NEWRSK 147/175	STANDARDS:	PH LOT: 230320, 225320
COLUMN TYPE: C1006	METHOD FILE: RSK8-23-22.M	ICAL/CCV: 10973A,10447A, 11171A	KI PAPER LOT: 011819
DETECTOR: FID	CALIB. DATE: 8/23/22		AMBIENT TEMP. : 20C
INSTRUMENT: FID4-LL	DataAqcMeth: DGMEE2.M	ISTD/SURR: NA	THERM ID: 170563327
ANALYST : trangd			Sample ID Verified:TRANGD
	RUN ID: G1R343	ICV/QC: 9513	Reviewed: 8/23/22

DATA FILE	SAMPLE ID	DIL.	Vial #	MATRIX	FINAL VOLUME uL	STD CONC. PPM	MANUALLY INTEGRATED PEAKS, RATIONAL, PEAK #	PH	CL	RR	COMMENTS
1R9183	mb, helium	-	-	-	500	-		NA	NA	-	
1R9184	mb	-	-	-	500	-		NA	NA	-	
1R9185	ic342-1	-	-	W	500	15		NA	NA	-	500uL/5mL
1R9186	ic342-2	-	-	-	500	15		NA	NA	-	
1R9187	ic342-3	-	-	W	500	1000		NA	NA	-	500uL/5mL
1R9188	ic342-4	-	-	-	250	1000		NA	NA	-	
1R9189	icc342-5	-	-	-	500	1000		NA	NA	-	
1R9190	ic342-6	-	-	-	250	10000		NA	NA	-	
1R9191	ic342-7	-	-	-	500	10000		NA	NA	-	
1R9192	icv342-5	-	-	W	500	10000		NA	NA	-	passed
					70						
					6/23/22						

Analyst's Signature:

Trainee :

SGS -ORLANDO

GC VOA12-1R ANALYSIS LOG

DATE: 9/1/22	**METHODS:** NEWRSK 147/175	**STANDARDS:**	**PH LOT:** 230320, 225320
COLUMN TYPE: C1006	**METHOD FILE:** RSK8-23-22.M	**ICAL/CCV:** 10973A,10447A, 11171A	**KI PAPER LOT:** 011819
DETECTOR: FID	**CALIB. DATE:** 8/23/22		**AMBIENT TEMP. :** 20C
INSTRUMENT: FID4-LL	**DataAqcMeth:** DGMEE2.M	**ISTD/SURR:** NA	**THERM ID:** 170563327
ANALYST : trangd/jennr			**Sample ID Verified:** jennr
	RUN ID: G1R347	**ICV/QC:** 9513	**Reviewed:** 9/1/2022

DATA FILE	SAMPLE ID	DIL.	Vial #	MATRIX	FINAL VOLUME uL	STD CONC. PPM	MANUALLY INTEGRATED PEAKS, RATIONAL, PEAK #	PH	CL	RR	COMMENTS
1R9276	mb, helium	-	-	-	-	-		-	-	-	
1R9277	cc343-5	-	-	-	500	1000		-	-	-	Pass; Acetylene high
1R9278	bs	-	-	W	500	10000		-	-	Y	Misprep; not used
1R9279	bs	-	-	W	500	10000		-	-	-	Pass
1R9280	bsd	-	-	W	500	10000		-	-	-	Pass
1R9281	mb, helium	-	-	-	-	-		-	-	-	
1R9282	mb	-	-	W	500	-		-	-	-	ND
1R9283	fa98527-1	1x	1	W	500	-		1	N	20x	Methane high; not used
1R9284	fa98527-2	1x	1	W	500	-		1	N	20x	Methane high; not used
1R9285	fa98517-1	1x	7	W	500	-		1	N	-	✔
1R9286	fa98517-2	1x	8	W	500	-		1	N	-	✔
1R9287	fa98517-3	1x	8	W	500	-		1	N	2x	Methane high; e-Combine ✔
1R9288	cc343-4	-	-	-	250	1000		-	-	-	Pass
1R9289	mb, helium	-	-	-	-	-		-	-	-	
1R9290	fa98517-4	1x	17	W	500	-		1	N	10x	Methane high; e-Combine ✔
1R9291	fa98517-5	1x	7	W	500	-	RR to confirm; DoD CCV failure	1	N	1x	Not used
1R9292	fa98517-7	1x	4	W	500	-		1	N	20x	Methane high; e-Combine ✔
1R9293	fa98522-1	1x	1	W	500	-		1	N	-	✔
1R9294	fa98522-2	1x	2	W	500	-		1	N	-	✔
1R9295	fa98522-3	1x	5	W	500	-		1	N	-	✔
1R9296	fa98522-4	1x	4	W	500	-		1	N	-	Slightly foamy; ✔
1R9297	fa98522-5	1x	2	W	500	-		1	N	-	Slightly foamy;

Analyst's Signature:

SGS -ORLANDO

GC VOA12-1R ANALYSIS LOG

DATE: 9/1/22	**METHODS:** NEWRSK 147/175	**STANDARDS:**	**PH LOT:** 230320, 225320
COLUMN TYPE: C1006	**METHOD FILE:** RSK8-23-22.M	**ICAL/CCV:** 10973A,10447A, 11171A	**KI PAPER LOT:** 011819
DETECTOR: FID	**CALIB. DATE:** 8/23/22		**AMBIENT TEMP. :** 20C
INSTRUMENT: FID4-LL	**DataAqcMeth:** DGMEE2.M	**ISTD/SURR:** NA	**THERM ID:** 170563327
ANALYST : trangd/jennr			**Sample ID Verified:** jennr
	RUN ID: G1R347	**ICV/QC:** 9513	**Reviewed:** 9/1/2022

	SAMPLE ID	DIL.	Vial #	MATRIX	FINAL VOLUME uL	STD CONC. PPM	MANUALLY INTEGRATED				
1R9298	fa98522-6	1x	5	W	500	-		1	N	-	Slightly foamy; ✔
1R9299	cc343-5	-	-	-	500	1000		-	-	Y	Low, not used
1R9300	cc343-5	-	-	-	500	1000	Not used; need another passing CCV	-	-	-	Pass; Acetylene high
1R9301	mb, helium	-	-	-	-	-		-	-	-	
1R9302	fa98522-7	1x	1	W	500	-	Not used; need another passing CCV	1	N	1x	
1R9303	fa98517-4	10x	25	W	500	-	Not used; need another passing CCV	1	N	10x	
1R9304	cc343-5	-	-	-	500	1000		-	-	Y	Low, not used
1R9305	cc343-5	-	-	-	500	1000	Need 2 consecutive passing	-	-	-	Pass
1R9306	cc343-5	-	-	-	500	1000	CCV for DoD samples	-	-	-	Pass
1R9307	fa98517-4	10x	9	W	500	-		1	N	-	e-Combine ✔
1R9308	fa98517-4dup	10x	23	W	500	-		1	N	-	Pass
1R9309	fa98517-4ms	10x	24	W	500	-		1	N	-	Pass
1R9310	fa98527-1	20x	2	W	250	-		1	N	-	✔
1R9311	fa98522-7	1x	4	W	500	-		1	N	-	✔
1R9312	fa98527-2	20x	2	W	250	-		1	N	-	✔
1R9313	fa98517-3	2x	7	W	250	-		1	N	-	e-Combine ✔
1R9314	fa98517-5	1x	5	W	250	-		1	N	-	✔
1R9315	fa98517-7	20x	6	W	500	-		1	N	-	e-Combine ✔
1R9316	ecc343-5	-	-	W	500	1000		-	-	-	Pass; Acetylene high

Analyst's Signature:

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA98517
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Dissolved Organic Carbon	GP38021/GN92261	1.0	0.0	mg/l	15	15.0	100.0	90-110%
Fluoride	GP38013/GN92241	0.20	0.0	mg/l	2.5	2.75	110.0	90-110%
Sulfate	GP38013/GN92241	2.0	0.0	mg/l	50	49.6	99.2	90-110%
Total Organic Carbon	GP38004/GN92231	2.0	0.0	mg/l	15	15.8	105.3	90-110%

Associated Samples:
Batch GP38004: FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-7
Batch GP38013: FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-7
Batch GP38021: FA98517-1F, FA98517-2F, FA98517-3F, FA98517-4F, FA98517-5F, FA98517-7F
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA98517
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Dissolved Organic Carbon	GP38021/GN92261	FA98517-4F	mg/l	1.9	15	17.1	101.3	90-110%
Fluoride	GP38013/GN92241	FA98517-4	mg/l	0.30 U	2.5	2.5	100.0	90-110%
Sulfate	GP38013/GN92241	FA98517-4	mg/l	20.3	50	62.0	83.4N(a)	90-110%
Total Organic Carbon	GP38004/GN92231	FA98517-4	mg/l	1.7	15	16.4(b)	98.0	90-110%

Associated Samples:
Batch GP38004: FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-7
Batch GP38013: FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-7
Batch GP38021: FA98517-1F, FA98517-2F, FA98517-3F, FA98517-4F, FA98517-5F, FA98517-7F
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.
(b) Sample was not preserved to a pH < 2.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA98517
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Dissolved Organic Carbon	GP38021/GN92261	FA98517-4F	mg/l	1.9	15	16.9	1.2	20%
Fluoride	GP38013/GN92241	FA98517-4	mg/l	0.30 U	2.5	2.5	0.0	15%
Sulfate	GP38013/GN92241	FA98517-4	mg/l	20.3	50	61.2	1.3	15%
Total Organic Carbon	GP38004/GN92231	FA98517-4	mg/l	1.7	15	17.1(a)	4.2(a)	20%

Associated Samples:
Batch GP38004: FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-7
Batch GP38013: FA98517-1, FA98517-2, FA98517-3, FA98517-4, FA98517-5, FA98517-7
Batch GP38021: FA98517-1F, FA98517-2F, FA98517-3F, FA98517-4F, FA98517-5F, FA98517-7F
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Sample was not preserved to a pH < 2.

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98517
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: B20906W1.TXT Date Analyzed: 09/06/22 Methods: SM5310 B-11/SW9060A
Analyst: FN Run ID: GN92231
Parameters: Total Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:30	GN92231-CCV1	1		
12:06	GP38004-MB1	1		
12:29	GP38004-B1	1		
12:52	FA98517-1	1		
13:15	FA98517-2	1		
13:38	FA98517-3	1		
13:59	FA98517-4	1		
14:22	GP38004-S1	1		
14:45	GP38004-S2	1		
15:09	FA98517-5	1		
15:31	FA98517-7	1		
15:54	GN92231-CCV2	1		
16:18	GN92231-CCB1	1		
16:40	ZZZZZZ	1		
17:01	ZZZZZZ	1		
17:22	ZZZZZZ	1		
17:45	ZZZZZZ	1		
18:08	ZZZZZZ	1		
18:31	ZZZZZZ	1		
18:54	ZZZZZZ	1		
19:17	FA98556-4	1		(sample used for QC only; not part of login FA98517)
19:39	GP38004-S3	1		
19:47	GP38004-S4	1		
20:31	GN92231-CCV3	1		
20:54	GN92231-CCB2	1		
21:17	ZZZZZZ	5		
22:04	ZZZZZZ	25		
22:27	ZZZZZZ	1		
22:50	ZZZZZZ	2		
23:13	ZZZZZZ	1		
23:37	ZZZZZZ	1		
00:00	GN92231-CCV4	1		
00:23	GP38005-MB1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98517
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: B20906W1.TXT Date Analyzed: 09/06/22 Methods: SM5310 B-11/SW9060A
Analyst: FN Run ID: GN92231
Parameters: Total Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:46	GP38005-B1	1		
01:09	FA98587-4	1		(sample used for QC only; not part of login FA98517)
01:32	GP38005-S1	1		
01:47	GP38005-S2	1		
02:32	ZZZZZZ	20		
02:55	ZZZZZZ	5		
03:17	ZZZZZZ	5		
03:42	ZZZZZZ	5		
04:03	ZZZZZZ	2		
04:25	GN92231-CCV5	1		
04:48	GN92231-CCB3	1		
10:26	GN92231-CCV6	1		
10:52	GN92231-CCB4	1		
11:38	ZZZZZZ	100		
12:02	GN92231-CCV7	1		
12:25	GN92231-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA98517
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: B20906W1.TXT Date Analyzed: 09/06/22 Methods: SM5310 B-11/SW9060A
Run ID: GN92231 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN92231-CCV1	Total Organic Carbon	15.4	2.0	0.54	15	102.7	90-110
GN92231-CCV2	Total Organic Carbon	15.3	2.0	0.54	15	102.0	90-110
GN92231-CCB1	Total Organic Carbon	0.54 U	2.0	0.54			
GN92231-CCV3	Total Organic Carbon	15.3	2.0	0.54	15	102.0	90-110
GN92231-CCB2	Total Organic Carbon	0.54 U	2.0	0.54			
GN92231-CCV4	Total Organic Carbon	15.2	2.0	0.54	15	101.3	90-110
GN92231-CCV5	Total Organic Carbon	15.5	2.0	0.54	15	103.3	90-110
GN92231-CCB3	Total Organic Carbon	0.54 U	2.0	0.54			
GN92231-CCV6	Total Organic Carbon	14.5	2.0	0.54	15	96.7	90-110
GN92231-CCB4	Total Organic Carbon	0.54 U	2.0	0.54			
GN92231-CCV7	Total Organic Carbon	15.3	2.0	0.54	15	102.0	90-110
GN92231-CCB5	Total Organic Carbon	0.54 U	2.0	0.54			

(!) Outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98517
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: 42022090301.CSV Date Analyzed: 09/03/22 Methods: EPA 300/SW846 9056A
Analyst: JB Run ID: GN92241
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:41	GN92241-STD1	1		STDA
12:27	GN92241-STD2	1		STDB
12:48	GN92241-STD3	1		STDC
13:09	GN92241-STD4	1		STDD
13:33	GN92241-STD5	1		STDE
13:54	GN92241-STD6	1		STDF
14:15	GN92241-STD7	1		STDG
14:36	GN92241-STD8	1		STDH
14:57	GN92241-STD9	1		STDI
15:18	GN92241-STD10	1		STDJ
15:39	GN92241-STD11	1		STDK
16:08	GN92241-ICV1	1		
16:29	GN92241-ICB1	1		
16:50	GN92241-CRI1	1		
17:11	GN92241-CCV1	1		
17:32	GN92241-CCB1	1		
17:53	GN92241-CCV2	1		
18:14	GN92241-CCB2	1		
18:35	GP38012-MB1	1		
18:57	GP38012-B1	1		
19:18	ZZZZZZ	1		
19:39	ZZZZZZ	1		
20:00	FA98438-1	100		(sample used for QC only; not part of login FA98517)
20:21	GP38012-S1	100		
20:42	GP38012-S2	100		
21:02	ZZZZZZ	100		
22:05	GN92241-CCV3	1		
22:26	GN92241-CCB3	1		
01:13	FA98468-1	5		(sample used for QC only; not part of login FA98517)
01:34	GP38012-S3	5		
01:55	GP38012-S4	5		
02:15	GN92241-CCV4	1		
02:37	GN92241-CCB4	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98517
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: 42022090301.CSV Date Analyzed: 09/03/22 Methods: EPA 300/SW846 9056A
Analyst: JB Run ID: GN92241
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:58	ZZZZZZ	1		
03:19	ZZZZZZ	10		
03:40	ZZZZZZ	5		
04:00	ZZZZZZ	5		
04:21	ZZZZZZ	5		
04:42	ZZZZZZ	5		
05:03	GP38013-MB1	1		
05:24	GP38013-B1	1		
05:45	FA98468-8	5		(sample used for QC only; not part of login FA98517)
06:06	GP38013-S1	5		
06:27	GN92241-CCV5	1		
06:48	GN92241-CCB5	1		
07:09	GP38013-S2	5		
07:30	ZZZZZZ	1		
07:51	ZZZZZZ	1		
08:12	ZZZZZZ	1		
08:33	ZZZZZZ	1		
08:54	ZZZZZZ	1		
09:15	ZZZZZZ	1		
09:36	ZZZZZZ	1		
09:57	ZZZZZZ	1		
10:19	ZZZZZZ	1		
10:40	GN92241-CCV6	1		
11:01	GN92241-CCB6	1		
11:22	ZZZZZZ	1		
11:43	FA98517-1	5		
12:04	FA98517-2	5		
12:25	FA98517-3	5		
12:46	FA98517-4	5		
13:06	GP38013-S3	5		
13:27	GP38013-S4	5		
13:48	FA98517-5	5		
14:09	FA98517-7	5		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98517
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: 42022090301.CSV Date Analyzed: 09/03/22 Methods: EPA 300/SW846 9056A
Analyst: JB Run ID: GN92241
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:30	ZZZZZZ	1		
14:51	GN92241-CCV7	1		
15:12	GN92241-CCB7	1		
15:33	ZZZZZZ	1		
15:54	ZZZZZZ	1		
16:15	GP38014-MB1F	1		
16:36	GP38014-B1F	1		
16:57	FA98447-1	5		(sample used for QC only; not part of login FA98517)
17:18	GP38014-S1	5		
17:39	GP38014-S2	5		
18:01	ZZZZZZ	5		
18:22	GN92241-CCV8	1		
18:43	GN92241-CCB8	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA98517
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: 42022090301.CSV Date Analyzed: 09/03/22 Methods: EPA 300/SW846 9056A
Run ID: GN92241 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN92241-ICV1	Sulfate	49.2	2.0	0.60	50	98.4	90-110
GN92241-ICB1	Sulfate	0.60 U	2.0	0.60			
GN92241-CRI1	Sulfate	0.778	2.0	0.60	1	77.8	50-150
GN92241-CCV1	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN92241-CCB1	Sulfate	0.60 U	2.0	0.60			
GN92241-CCV2	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN92241-CCB2	Sulfate	0.60 U	2.0	0.60			
GN92241-CCV3	Sulfate	49.1	2.0	0.60	50	98.2	90-110
GN92241-CCB3	Sulfate	0.60 U	2.0	0.60			
GN92241-CCV4	Sulfate	49.3	2.0	0.60	50	98.6	90-110
GN92241-CCB4	Sulfate	0.60 U	2.0	0.60			
GN92241-CCV5	Sulfate	49.1	2.0	0.60	50	98.2	90-110
GN92241-CCB5	Sulfate	0.60 U	2.0	0.60			
GN92241-CCV6	Sulfate	49.5	2.0	0.60	50	99.0	90-110
GN92241-CCB6	Sulfate	0.60 U	2.0	0.60			
GN92241-CCV7	Sulfate	49.5	2.0	0.60	50	99.0	90-110
GN92241-CCB7	Sulfate	0.60 U	2.0	0.60			
GN92241-CCV8	Sulfate	49.6	2.0	0.60	50	99.2	90-110
GN92241-CCB8	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98517
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: B20908W1.TXT Date Analyzed: 09/08/22 Methods: SM5310 B-11/SW9060A
Analyst: FN Run ID: GN92261
Parameters: Dissolved Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:51	GN92261-CCV1	1		
16:14	GP38021-MB1	1		
16:37	GP38021-B1	1		
17:00	FA98517-1F	1		
17:21	FA98517-2F	1		
17:43	FA98517-3F	1		
18:06	FA98517-4F	1		
18:30	GP38021-S1	1		
18:53	GP38021-S2	1		
19:16	FA98517-5F	1		
19:39	FA98517-7F	1		
20:02	GN92261-CCV2	1		
20:25	GN92261-CCB1	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA98517
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: B20908W1.TXT Date Analyzed: 09/08/22 Methods: SM5310 B-11/SW9060A
Run ID: GN92261 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN92261-CCV1	Dissolved Organic Carbon	14.4	1.0	0.27	15	96.0	90-110
GN92261-CCV2	Dissolved Organic Carbon	14.6	1.0	0.27	15	97.3	90-110
GN92261-CCB1	Dissolved Organic Carbon	0.27 U	1.0	0.27			

(!) Outside of QC limits

General Chemistry

Raw Data

TOC ANALYSIS LOG, Aqueous

DATE:	F.N. 09-06-2022
ANALYST:	F.N.
INSTRUMENT: TOC2	
INST. FILE NAME:	220906w1.txt
Filter Lot#:	—

METHODS: SM5310B SW846 9060A	
METHOD FILE:	NPOC-MET
CALIB. DATE:	09-13-2022
GN BATCH:	GN 92231

pH paper lot#	230320
pipette ID#	TU112345
pipette ID#	PU13805
pipette ID#	—

STANDARDS	
ICAL:	LIST INDIVIDUALLY IN COMMENTS
ICV:	TOC 4035
CCV:	TOC 4034
QC:	WC 1799

Autosampler position	Sample ID	Bottle #	pH, su	Injected Volume, ml	Manual Dilution	Instrument Dilution	GP BATCH	COMMENTS
1	BLANK	—	—	50 ml	1x	1x		
2	CCV	—	1.5					
3	MB1	—	—				38004	
4	B1	—	1.5					
5	FA98517-1	(x)2 1	1.0*					* ⇒ INITIAL PH > 2, ADDED DROPS
6	-2	(x)2 1	1.0*					CONC. HCL TO ACIDIFY
7	-3	(x)2 1	1.0*					
8	-4	(x)2 1	1.0*					
9	S1 (FA98517-4)	2	1.0*					
10	S2 (FA98517-4)	3	1.0*					
11	FA98517-5	1	1.0*					
12	-7	1	1.0*					
13	CCV	—	1.5					
14	CCB	—	—					
15	FA98521-1	1	1.0*				38004	
16	-2	1	1.0*					
17	FA98547-1	1	1.0*					
18	-2	1	1.0*					
19	FA98556-1	1	1.0*					
20	-2	1	1.0*					
21	-3	1	1.0*					
22	-4	1	1.0*					
23	S3 (FA98556-4)	2	1.0*					
24	S4 (FA98556-4)	2	1.0*					
25	CCV	—	1.5					
	CCB	—	—					

Notes: (1 of 2) (x) F.N. 09/07/22 ACID LOT ID# 4120470 (CONC. HCL)

Analyst Signature Frida N.

TOC ANALYSIS LOG, Aqueous

DATE:	09-06-2022
ANALYST:	F.N.
INSTRUMENT:	TOC2
INST. FILE NAME:	220906w1.tst
Filter Lot#:	—

METHODS:	SM5310B SW846 9060A
METHOD FILE:	NPOC-MET
CALIB. DATE:	07-13-2022
GN BATCH:	GN92231

pH paper lot#	220320
pipette ID#	TU11245
pipette ID#	PU13805
pipette ID#	—

STANDARDS	
ICAL:	LIST INDIVIDUALLY IN COMMENTS
ICV:	TOC 4035
CCV:	TOC 4034
QC:	WC1799

Autosampler position	Sample ID	Bottle #	pH, su	Injected Volume, ml	Manual Dilution	Instrument Dilution	GP BATCH	COMMENTS
26	FA98564-2	1	1.0*	50 mL	5X	1X	38004	
27	-4	1	1.0*		50X			DNR ⇒ NEEDS HIGHER DIL.
28	FA98574-2	1	1.0*		25X			
29	-9	1	1.0*		1X			
30	FA98587-1	1	1.0*		2X		38005	
31	-2	1	1.5		1X			
32	-3	1	1.5					
33	CCV	—	1.5					
34	MB1	—	—				38005	
35	B1	—	1.5					
36	FA98587-4	1	1.5					
37	S1 (FA98587-4)	2	1.0					
37	S2 (FA98587-4)	2	1.0					
38	FA98587-5	1	1.0*		20X			
39	-6	1	1.0*		5X			
40	-7	1	1.0*		5X			
41	-8	1	1.0*		5X			
42	-9	1	1.0*		2X			
43	CCV	—	1.5		1X			
44	CCB	—	—					
2	CCV	—	1.5					
3	MB1	—	—					MB1 = CCB IN REPORT.
4	B1	—	1.5					DNR — FOR CONF. ONLY.
45	FA98564-4	1	1.0		100X		38004	
43	CCV	—	1.5		1X			
44	CCB	—	—		1X			

Notes: (2 of 2)

Analyst Signature: Frida N.

SGS Accutest - Orlando Organic Carbon Standards Preparation Log

SGS Std. #	Name Description	Parent Std. #	Parent Name	Parent Vendor	Parent Exp. Date	Parent Conc(mg/l)	Weight(g) / Vol.(ml) used	Bal.ID**/ pipette ID	Final Vol.(ml)	Final Conc(mg/l)	pH paper lot#	Prep. Date	Exp. Date	Initials
TOC 4031	Cal Std #5 20ppm	WC 1908	TOC KHP-1	INORG. VENTUR.	02/15/23	1000	ml 2.0	TU 11245	100	20	230320	09/01/22	10/6/22	F.N.
TOC 4032	Cal Std #6 30ppm.	↓	↓	↓	↓	↓	ml 3.0	↓	↓	30	↓	↓	↓	F.N.
TOC 4033	ICV - STD 15PPM	WC 1799	TOC KHP-1	↓	01/03/23	↓	ml 1.5	PU 13805	↓	15	↓	↓	↓	F.N.
TOC 4034	CCV-STD 15PPM	WC 1799	TOC KHP-1	INORGANIC	01/03/23	1000	ml 3.75	PU 13805	250	15	230320	09/06/22	→	F.N.
TOC 4035	ICV-STD 15PPM	WC 1799	TOC KHP-1	VENTU-RES	01/03/23	1000	ml 3.75	PU 13805	250	15	230320	09/06/22	→	F.N.

** Record ANALYTICAL balance sequential number

C:\TOC3201\Data\toc 2 aq 09-06-2022.t32

	Type	Analysis	Sample Name	Origin	Manual Dilutio	Result	Comment	Status	Date / Time	Vial
1	Unknow	NPOC	BLANK	NPOC.met	1.000	NPOC:-0.08695mg/L	SM5310B SW846 9060A	Completed	9/6/2022 11:14:03 AM	1
2	Unknow	NPOC	CCV	NPOC.met	1.000	NPOC:15.42mg/L	SM5310B SW846 9060A	Completed	9/6/2022 11:37:13 AM	2
3	Unknow	NPOC	GP38004-MB1	NPOC.met	1.000	NPOC:-0.1022mg/L	SM5310B SW846 9060A	Completed	9/6/2022 12:12:55 PM	3
4	Unknow	NPOC	GP38004-B1	NPOC.met	1.000	NPOC:15.75mg/L	SM5310B SW846 9060A	Completed	9/6/2022 12:36:05 PM	4
5	Unknow	NPOC	FA98517-1	NPOC.met	1.000	NPOC:1.481mg/L	SM5310B SW846 9060A	Completed	9/6/2022 12:58:53 PM	5
6	Unknow	NPOC	FA98517-2	NPOC.met	1.000	NPOC:1.661mg/L	SM5310B SW846 9060A	Completed	9/6/2022 1:21:41 PM	6
7	Unknow	NPOC	FA98517-3	NPOC.met	1.000	NPOC:1.076mg/L	SM5310B SW846 9060A	Completed	9/6/2022 1:44:29 PM	7
8	Unknow	NPOC	FA98517-4	NPOC.met	1.000	NPOC:1.680mg/L	SM5310B SW846 9060A	Completed	9/6/2022 2:05:13 PM	8
9	Unknow	NPOC	GP38004-S1	NPOC.met	1.000	NPOC:16.36mg/L	SM5310B SW846 9060A	Completed	9/6/2022 2:28:47 PM	9
10	Unknow	NPOC	GP38004-S2	NPOC.met	1.000	NPOC:17.06mg/L	SM5310B SW846 9060A	Completed	9/6/2022 2:52:26 PM	10
11	Unknow	NPOC	FA98517-5	NPOC.met	1.000	NPOC:1.788mg/L	SM5310B SW846 9060A	Completed	9/6/2022 3:15:14 PM	11
12	Unknow	NPOC	FA98517-7	NPOC.met	1.000	NPOC:1.462mg/L	SM5310B SW846 9060A	Completed	9/6/2022 3:38:02 PM	12
13	Unknow	NPOC	CCV	NPOC.met	1.000	NPOC:15.25mg/L	SM5310B SW846 9060A	Completed	9/6/2022 4:01:27 PM	13
14	Unknow	NPOC	CCB	NPOC.met	1.000	NPOC:-0.1428mg/L	SM5310B SW846 9060A	Completed	9/6/2022 4:24:15 PM	14
15	Unknow	NPOC	FA98521-1	NPOC.met	1.000	NPOC:1.988mg/L	SM5310B SW846 9060A	Completed	9/6/2022 4:47:02 PM	15
16	Unknow	NPOC	FA98521-2	NPOC.met	1.000	NPOC:1.548mg/L	SM5310B SW846 9060A	Completed	9/6/2022 5:07:47 PM	16
17	Unknow	NPOC	FA98547-1	NPOC.met	1.000	NPOC:8.278mg/L	SM5310B SW846 9060A	Completed	9/6/2022 5:28:38 PM	17
18	Unknow	NPOC	FA98547-2	NPOC.met	1.000	NPOC:14.09mg/L	SM5310B SW846 9060A	Completed	9/6/2022 5:51:42 PM	18
19	Unknow	NPOC	FA98556-1	NPOC.met	1.000	NPOC:5.249mg/L	SM5310B SW846 9060A	Completed	9/6/2022 6:14:35 PM	19
20	Unknow	NPOC	FA98556-2	NPOC.met	1.000	NPOC:7.191mg/L	SM5310B SW846 9060A	Completed	9/6/2022 6:37:47 PM	20
21	Unknow	NPOC	FA98556-3	NPOC.met	1.000	NPOC:1.724mg/L	SM5310B SW846 9060A	Completed	9/6/2022 7:00:35 PM	21
22	Unknow	NPOC	FA98556-4	NPOC.met	1.000	NPOC:26.30mg/L	SM5310B SW846 9060A	Completed	9/6/2022 7:24:16 PM	22
23	Unknow	NPOC	GP38004-S3	NPOC.met	1.000	NPOC:40.60mg/L	SM5310B SW846 9060A	Completed	9/6/2022 7:45:23 PM	23
24	Unknow	NPOC	GP38004-S4	NPOC.met	1.000	NPOC:42.39mg/L	SM5310B SW846 9060A	Completed	9/6/2022 8:14:20 PM	23
25	Unknow	NPOC	CCV	NPOC.met	1.000	NPOC:15.33mg/L	SM5310B SW846 9060A	Completed	9/6/2022 8:37:54 PM	24
26	Unknow	NPOC	CCB	NPOC.met	1.000	NPOC:-0.09488mg/L	SM5310B SW846 9060A	Completed	9/6/2022 9:00:42 PM	25
27	Unknow	NPOC	FA98564-2	NPOC.met	5.000	NPOC:104.2mg/L	SM5310B SW846 9060A	Completed	9/6/2022 9:24:22 PM	26
28	Unknow	NPOC	FA98564-4	NPOC.met	50.00	NPOC:2371mg/L	SM5310B SW846 9060A	Completed	9/6/2022 9:47:44 PM	27
29	Unknow	NPOC	FA98574-2	NPOC.met	25.00	NPOC:536.4mg/L	SM5310B SW846 9060A	Completed	9/6/2022 10:10:56 PM	28
30	Unknow	NPOC	FA98574-9	NPOC.met	1.000	NPOC:2.055mg/L	SM5310B SW846 9060A	Completed	9/6/2022 10:33:45 PM	29
31	Unknow	NPOC	FA98587-1	NPOC.met	2.000	NPOC:53.21mg/L	SM5310B SW846 9060A	Completed	9/6/2022 10:56:49 PM	30
32	Unknow	NPOC	FA98587-2	NPOC.met	1.000	NPOC:20.18mg/L	SM5310B SW846 9060A	Completed	9/6/2022 11:20:20 PM	31
33	Unknow	NPOC	FA98587-3	NPOC.met	1.000	NPOC:2.192mg/L	SM5310B SW846 9060A	Completed	9/6/2022 11:43:09 PM	32
34	Unknow	NPOC	CCV	NPOC.met	1.000	NPOC:15.19mg/L	SM5310B SW846 9060A	Completed	9/7/2022 12:06:30 AM	33
35	Unknow	NPOC	GP38005-MB1	NPOC.met	1.000	NPOC:-0.09900mg/L	SM5310B SW846 9060A	Completed	9/7/2022 12:29:19 AM	34
36	Unknow	NPOC	GP38005-B1	NPOC.met	1.000	NPOC:15.72mg/L	SM5310B SW846 9060A	Completed	9/7/2022 12:52:37 AM	35
37	Unknow	NPOC	FA98587-4	NPOC.met	1.000	NPOC:6.874mg/L	SM5310B SW846 9060A	Completed	9/7/2022 1:15:35 AM	36
38	Unknow	NPOC	GP38005-S1	NPOC.met	1.000	NPOC:22.40mg/L	SM5310B SW846 9060A	Completed	9/7/2022 1:38:56 AM	37

C:\TOC3201\Data\toc 2 aq 09-06-2022.t32

	Type	Analysis	Sample Name	Origin	Manual Dilutio	Result	Comment	Status	Date / Time	Vial
39	Unknow	NPOC	GP38005-S2	NPOC.met	1.000	NPOC:23.16mg/L	SM5310B SW846 9060A	Completed	9/7/2022 2:15:10 AM	37
40	Unknow	NPOC	FA98587-5	NPOC.met	20.00	NPOC:375.5mg/L	SM5310B SW846 9060A	Completed	9/7/2022 2:38:38 AM	38
41	Unknow	NPOC	FA98587-6	NPOC.met	5.000	NPOC:81.21mg/L	SM5310B SW846 9060A	Completed	9/7/2022 3:02:08 AM	39
42	Unknow	NPOC	FA98587-7	NPOC.met	5.000	NPOC:97.70mg/L	SM5310B SW846 9060A	Completed	9/7/2022 3:25:15 AM	40
43	Unknow	NPOC	FA98587-8	NPOC.met	5.000	NPOC:62.58mg/L	SM5310B SW846 9060A	Completed	9/7/2022 3:48:48 AM	41
44	Unknow	NPOC	FA98587-9	NPOC.met	2.000	NPOC:50.73mg/L	SM5310B SW846 9060A	Completed	9/7/2022 4:10:05 AM	42
45	Unknow	NPOC	CCV	NPOC.met	1.000	NPOC:15.50mg/L	SM5310B SW846 9060A	Completed	9/7/2022 4:31:46 AM	43
46	Unknow	NPOC	CCB	NPOC.met	1.000	NPOC:-0.05699mg/L	SM5310B SW846 9060A	Completed	9/7/2022 4:54:39 AM	44
47	Unknow	NPOC	CCV	NPOC.met	1.000	NPOC:14.45mg/L	SM5310B SW846 9060A	Completed	9/7/2022 10:33:06 AM	2
48	Unknow	NPOC	CCB	NPOC.met	1.000	NPOC:-0.09775mg/L	SM5310B SW846 9060A	Completed	9/7/2022 10:58:20 AM	3
49	Unknow	NPOC	B1	NPOC.met	1.000	NPOC:14.21mg/L	SM5310B SW846 9060A	Completed	9/7/2022 11:21:20 AM	4
50	Unknow	NPOC	FA98564-4	NPOC.met	100.0	NPOC:2434mg/L	SM5310B SW846 9060A	Completed	9/7/2022 11:45:09 AM	45
51	Unknow	NPOC	CCV	NPOC.met	1.000	NPOC:15.33mg/L	SM5310B SW846 9060A	Completed	9/7/2022 12:08:27 PM	43
52	Unknow	NPOC	CCB	NPOC.met	1.000	NPOC:-0.00822mg/L	SM5310B SW846 9060A	Completed	9/7/2022 12:31:16 PM	44

Instr.Information

System	TOC-2
Instrument Options	TOC/ASI/
Catalyst	Regular Sensitivity

Sample

Sample Name:	BLANK
Sample ID:	Untitled
Origin:	NPOC.met
Status	Completed
Chk. Result	

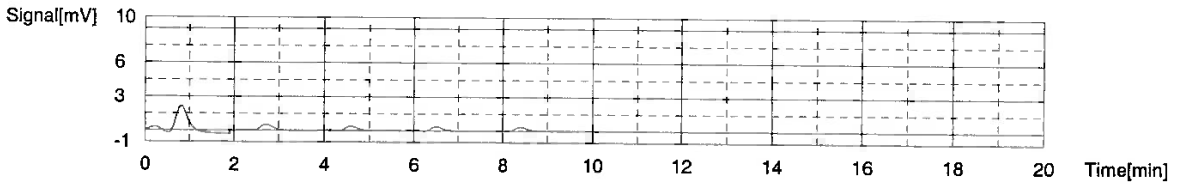
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.08695mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.837	0.8190mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:05:51 AM
2	1.002	-0.01557mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:07:54 AM
3	0.7031	-0.1036mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:09:57 AM
4	0.6703	-0.1132mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:12:00 AM
5	0.6628	-0.1154mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:14:03 AM

Mean Area	0.7595
Mean Conc.	-0.08695mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

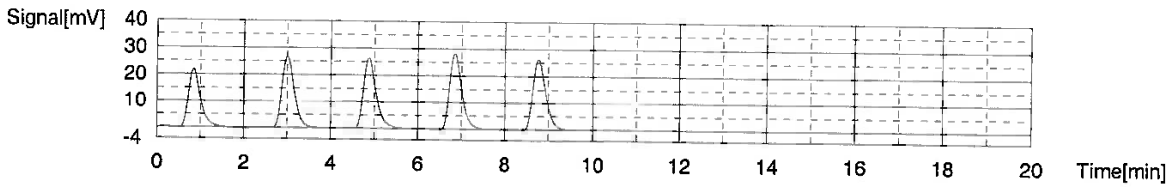
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.42mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	43.13	12.39mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:28:53 AM
2	52.88	15.26mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:30:56 AM
3	53.90	15.56mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:33:05 AM
4	53.92	15.56mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:35:08 AM
5	53.05	15.31mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:37:13 AM

Mean Area 53.44
Mean Conc. 15.42mg/L



Sample

Sample Name: GP38004-MB1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.1022mg/L

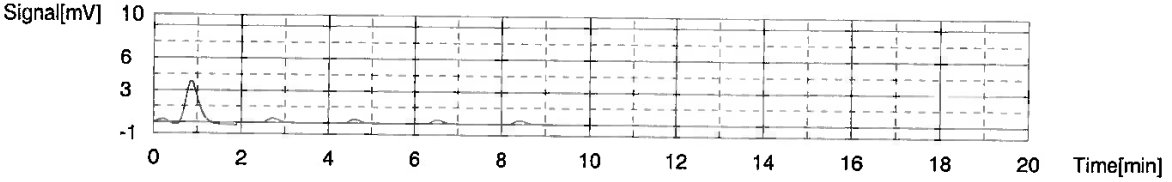
1. Det

Anal.: NPOC

Raw Data GN92231: Total Organic Carbon page 7 of 47
QC Reports: GN92231
SGS
525 of 644
FA98517

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.682	1.951mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 12:04:43 PM
2	0.7693	-0.08408mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 12:06:46 PM
3	0.6738	-0.1122mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 12:08:49 PM
4	0.6646	-0.1149mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 12:10:52 PM
5	0.7234	-0.09759mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 12:12:55 PM

Mean Area 0.7078
Mean Conc. -0.1022mg/L



Sample

Sample Name: GP38004-B1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Difution	Result
Unknown	NPOC	1.000	NPOC:15.75mg/L

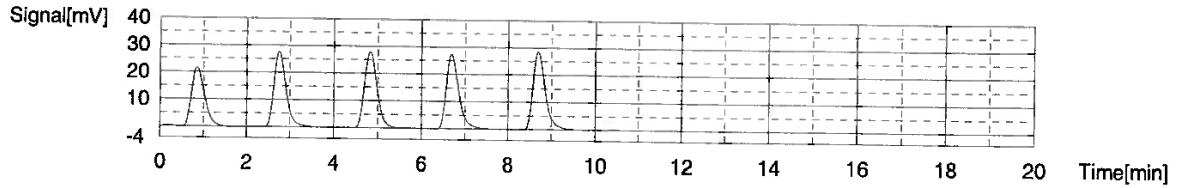
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	45.29	13.02mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 12:27:32 PM
2	53.39	15.41mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 12:29:44 PM
3	55.34	15.98mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 12:31:47 PM
4	54.21	15.65mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 12:33:56 PM
5	55.30	15.97mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 12:36:05 PM

9/7/2022 12:37:26 PM toc 2 aq 09-06-2022.t32

Mean Area 54.56
Mean Conc. 15.75mg/L



Sample

Sample Name: FA98517-1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

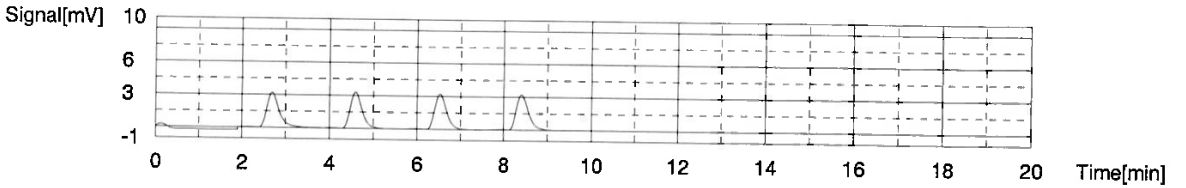
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.481mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.3106mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 12:50:41 PM
2	6.179	1.509mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 12:52:44 PM
3	6.092	1.483mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 12:54:47 PM
4	6.000	1.456mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 12:56:50 PM
5	6.066	1.475mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 12:58:53 PM

Mean Area 6.084
Mean Conc. 1.481mg/L



Sample

Sample Name: FA98517-2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

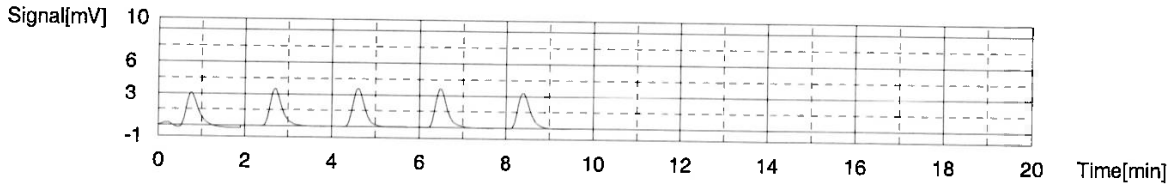
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.661mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.872	1.418mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 1:13:29 PM
2	6.697	1.661mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 1:15:32 PM
3	6.756	1.678mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 1:17:35 PM
4	6.851	1.706mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 1:19:38 PM
5	6.488	1.600mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 1:21:41 PM

Mean Area 6.698
Mean Conc. 1.661mg/L



Sample

Sample Name: FA98517-3
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

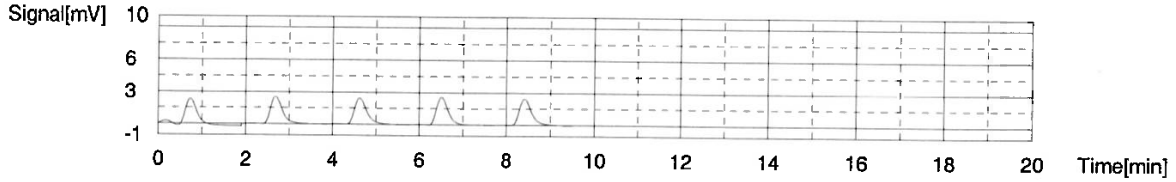
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.076mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.353	0.9710mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 1:36:17 PM
2	4.651	1.059mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 1:38:20 PM
3	4.794	1.101mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 1:40:23 PM
4	4.729	1.082mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 1:42:26 PM
5	4.661	1.062mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 1:44:29 PM

Mean Area 4.709
Mean Conc. 1.076mg/L



Sample

Sample Name: FA98517-4
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

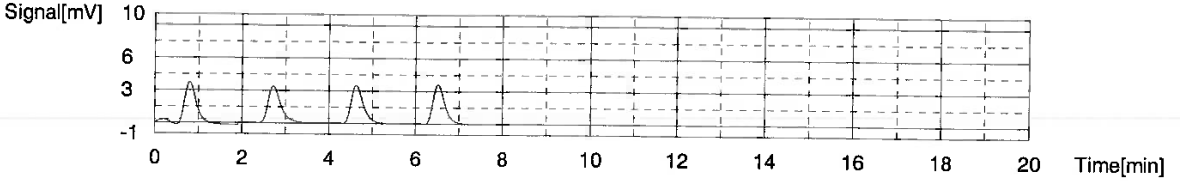
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.680mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.649	1.647mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 1:59:04 PM
2	6.761	1.680mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 2:01:07 PM
3	6.836	1.702mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 2:03:10 PM
4	6.802	1.692mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 2:05:13 PM

Mean Area 6.762
Mean Conc. 1.680mg/L



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QC Reports: GN92231
SGS
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FA98517

Sample

Sample Name: GP38004-S1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

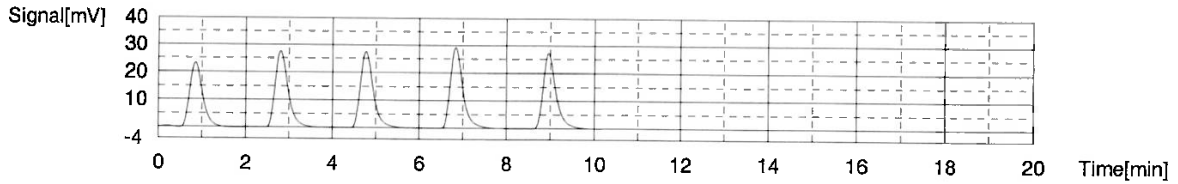
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:16.36mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	46.96	13.51mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 2:19:58 PM
2	56.73	16.39mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 2:22:05 PM
3	56.63	16.36mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 2:24:19 PM
4	57.58	16.64mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 2:26:34 PM
5	55.60	16.06mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 2:28:47 PM

Mean Area 56.64
Mean Conc. 16.36mg/L



Sample

Sample Name: GP38004-S2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:17.06mg/L

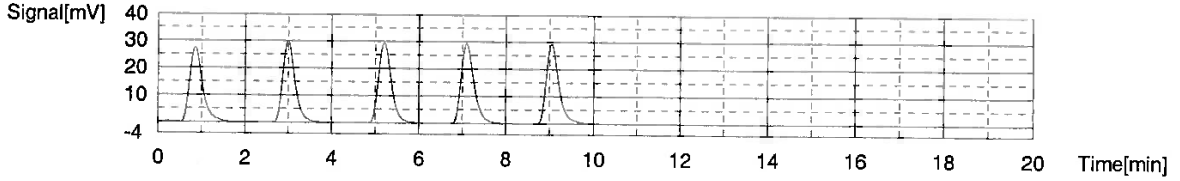
Raw Data GN92231: Total Organic Carbon page 12 of 47
QC Reports: GN92231
SGS
530 of 644
FA98517

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	56.48	16.32mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 2:43:38 PM
2	59.25	17.13mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 2:45:59 PM
3	59.13	17.10mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 2:48:02 PM
4	59.09	17.09mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 2:50:09 PM
5	58.58	16.94mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 2:52:26 PM

Mean Area 59.01
Mean Conc. 17.06mg/L



Sample

Sample Name: FA98517-5
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

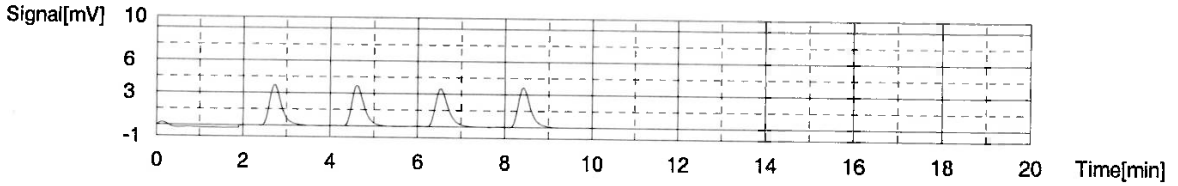
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.788mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.3106mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 3:07:02 PM
2	7.152	1.795mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 3:09:05 PM
3	7.198	1.809mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 3:11:08 PM
4	7.046	1.764mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 3:13:11 PM
5	7.118	1.785mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 3:15:14 PM

Mean Area 7.129
Mean Conc. 1.788mg/L



Sample

Sample Name: FA98517-7
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

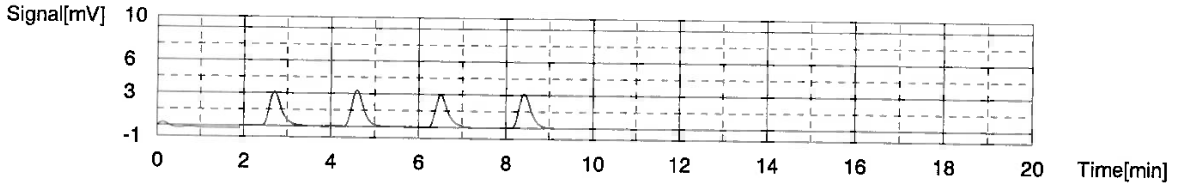
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.462mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.3106mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 3:29:50 PM
2	5.992	1.453mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 3:31:53 PM
3	6.163	1.504mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 3:33:56 PM
4	5.852	1.412mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 3:35:59 PM
5	6.076	1.478mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 3:38:02 PM

Mean Area 6.021
Mean Conc. 1.462mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

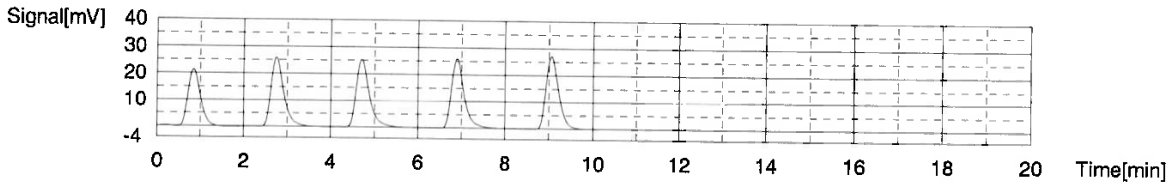
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.25mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.04	12.07mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 3:52:38 PM
2	52.51	15.15mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 3:54:44 PM
3	53.23	15.36mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 3:57:05 PM
4	52.44	15.13mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 3:59:24 PM
5	53.22	15.36mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 4:01:27 PM

Mean Area 52.85
Mean Conc. 15.25mg/L



Sample

Sample Name: CCB
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

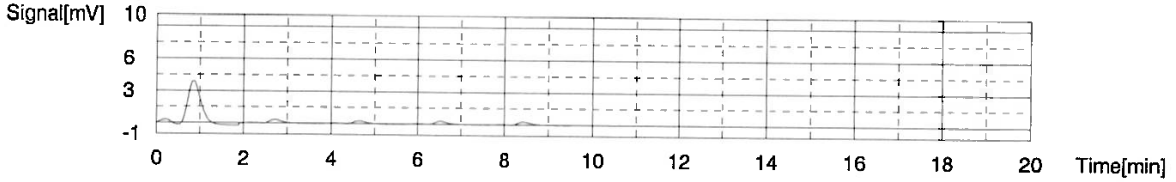
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.1428mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.854	2.002mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 4:16:03 PM
2	0.6249	-0.1266mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 4:18:06 PM
3	0.5589	-0.1460mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 4:20:09 PM
4	0.5601	-0.1457mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 4:22:12 PM
5	0.5351	-0.1530mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 4:24:15 PM

Mean Area 0.5698
Mean Conc. -0.1428mg/L



Sample

Sample Name: FA98521-1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

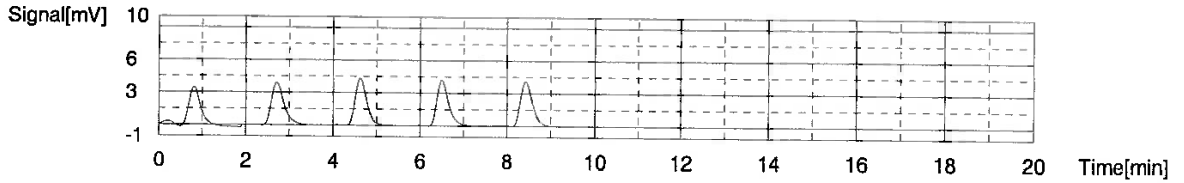
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.988mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.261	1.533mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 4:38:50 PM
2	7.764	1.975mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 4:40:53 PM
3	7.932	2.025mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 4:42:56 PM
4	7.880	2.009mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 4:44:59 PM
5	7.659	1.944mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 4:47:02 PM

Mean Area 7.809
Mean Conc. 1.988mg/L



Sample

Sample Name: FA98521-2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

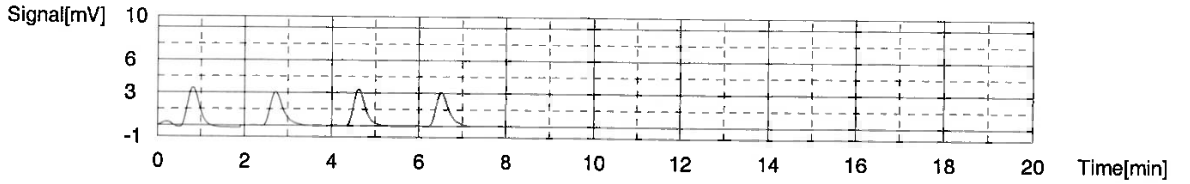
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.548mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.415	1.578mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 5:01:39 PM
2	6.245	1.528mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 5:03:41 PM
3	6.333	1.554mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 5:05:44 PM
4	6.256	1.531mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 5:07:47 PM

Mean Area 6.312
Mean Conc. 1.548mg/L



Sample

Sample Name: FA98547-1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

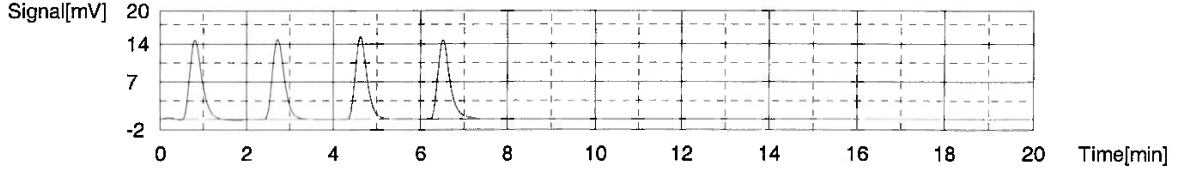
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:8.278mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	29.55	8.389mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 5:22:29 PM
2	28.81	8.171mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 5:24:32 PM
3	29.28	8.309mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 5:26:34 PM
4	29.05	8.242mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 5:28:38 PM

Mean Area 29.17
Mean Conc. 8.278mg/L



Sample

Sample Name: FA98547-2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.09mg/L

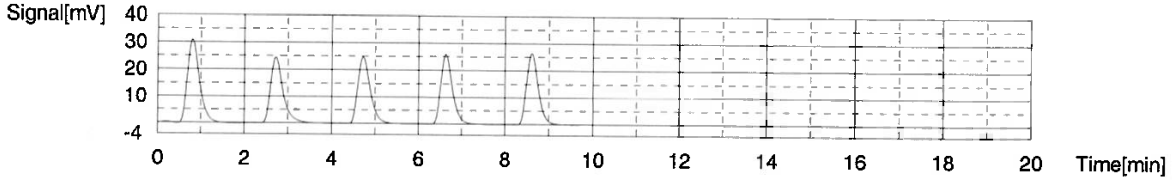
1. Det

Anal.: NPOC

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FA98517

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	60.19	17.41mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 5:43:21 PM
2	48.35	13.92mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 5:45:29 PM
3	49.30	14.20mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 5:47:33 PM
4	48.80	14.06mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 5:49:39 PM
5	49.23	14.18mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 5:51:42 PM

Mean Area 48.92
Mean Conc. 14.09mg/L



Sample

Sample Name: FA98556-1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

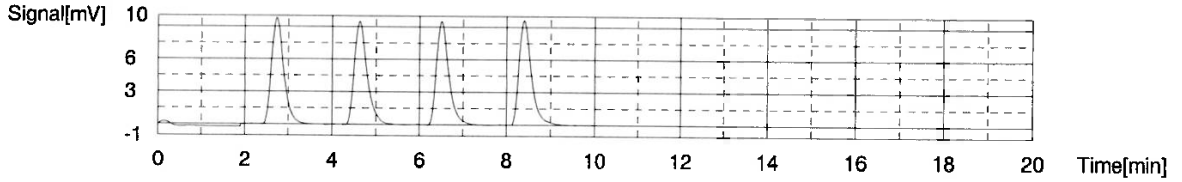
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.249mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.3106mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 6:06:19 PM
2	19.06	5.301mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 6:08:22 PM
3	19.16	5.330mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 6:10:25 PM
4	18.62	5.171mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 6:12:27 PM
5	18.70	5.195mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 6:14:35 PM

Mean Area 18.89
Mean Conc. 5.249mg/L



Sample

Sample Name: FA98556-2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

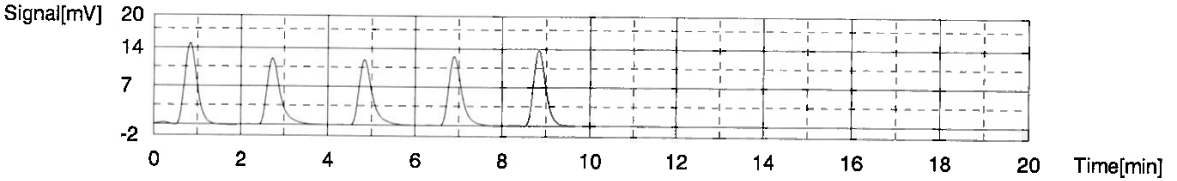
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:7.191mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	29.00	8.227mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 6:29:12 PM
2	25.26	7.126mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 6:31:28 PM
3	24.92	7.026mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 6:33:39 PM
4	25.33	7.147mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 6:35:44 PM
5	26.41	7.465mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 6:37:47 PM

Mean Area 25.48
Mean Conc. 7.191mg/L



Sample

Sample Name: FA98556-3
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

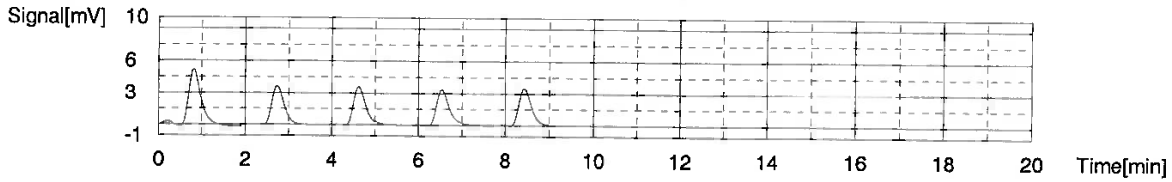
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.724mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.16	2.681mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 6:52:24 PM
2	7.050	1.765mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 6:54:27 PM
3	6.974	1.743mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 6:56:30 PM
4	6.723	1.669mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 6:58:32 PM
5	6.898	1.720mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 7:00:35 PM

Mean Area 6.911
Mean Conc. 1.724mg/L



Sample

Sample Name: FA98556-4
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:26.30mg/L

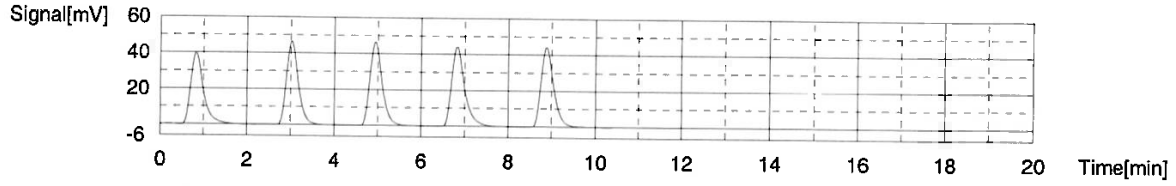
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	80.92	23.51mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 7:15:30 PM
2	88.50	25.74mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 7:17:33 PM
3	91.68	26.68mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 7:19:35 PM
4	91.75	26.70mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 7:21:46 PM
5	89.60	26.07mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 7:24:16 PM

Mean Area 90.38
Mean Conc. 26.30mg/L



Sample

Sample Name: GP38004-S3
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

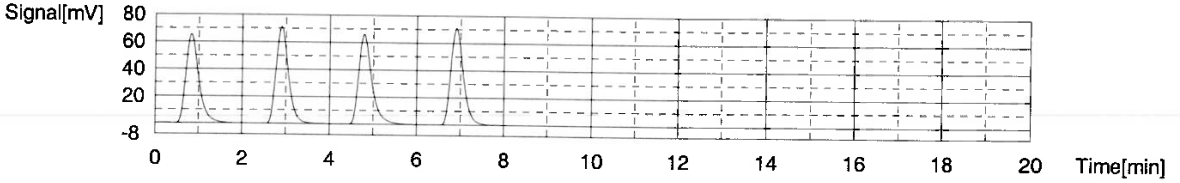
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:40.60mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	136.4	39.85mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 7:39:02 PM
2	139.4	40.73mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 7:41:05 PM
3	138.1	40.35mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 7:43:21 PM
4	141.9	41.46mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 7:45:23 PM

Mean Area 138.9
Mean Conc. 40.60mg/L



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QC Reports: GN92231
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Sample

Sample Name: GP38004-S4
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

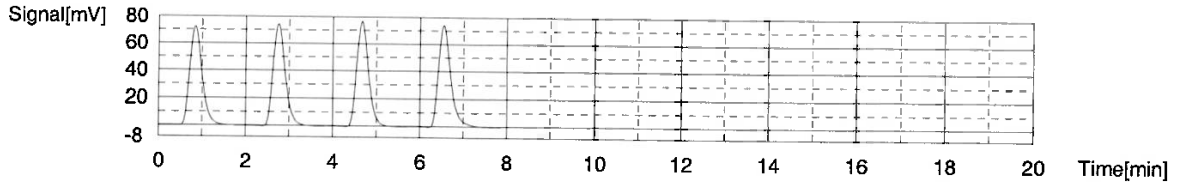
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:42.39mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	141.7	41.41mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 7:47:26 PM
2	145.0	42.38mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 7:56:20 PM
3	146.8	42.91mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 8:05:13 PM
4	146.7	42.88mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 8:14:20 PM

Mean Area 145.1
Mean Conc. 42.39mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

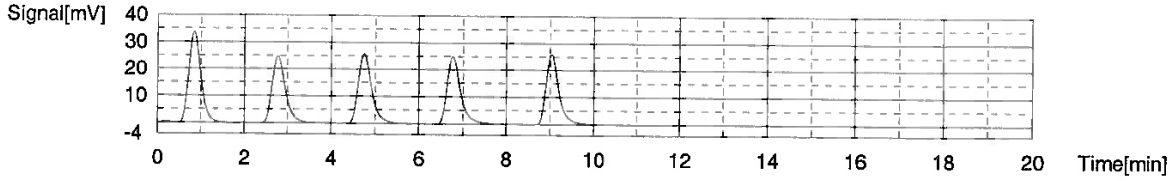
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.33mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	65.46	18.96mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 8:28:56 PM
2	52.21	15.06mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 8:31:04 PM
3	54.58	15.76mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 8:33:14 PM
4	52.96	15.28mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 8:35:40 PM
5	52.80	15.23mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 8:37:54 PM

Mean Area 53.14
Mean Conc. 15.33mg/L



Sample

Sample Name: CCB
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

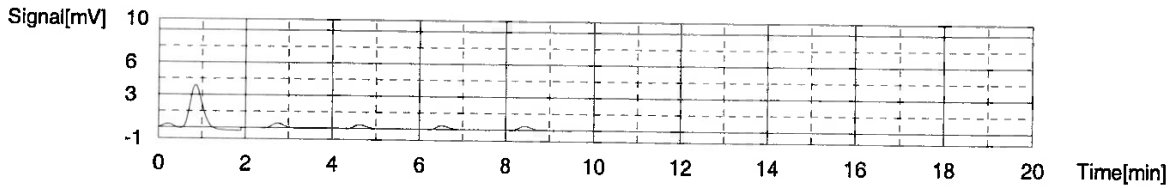
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.09488mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.901	2.015mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 8:52:31 PM
2	0.8407	-0.06306mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 8:54:34 PM
3	0.6766	-0.1114mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 8:56:37 PM
4	0.6882	-0.1080mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 8:58:40 PM
5	0.7249	-0.09715mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 9:00:42 PM

Mean Area 0.7326
Mean Conc. -0.09488mg/L



Sample

Sample Name: FA98564-2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

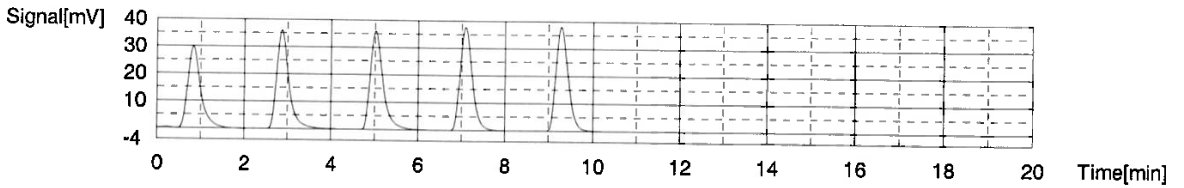
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	5.000	NPOC:104.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	61.41	88.84mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 9:15:28 PM
2	70.74	102.6mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 9:17:45 PM
3	72.61	105.3mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 9:19:59 PM
4	71.96	104.4mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 9:22:19 PM
5	71.96	104.4mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 9:24:22 PM

Mean Area 71.82
Mean Conc. 104.2mg/L



Sample

Sample Name: FA98564-4
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

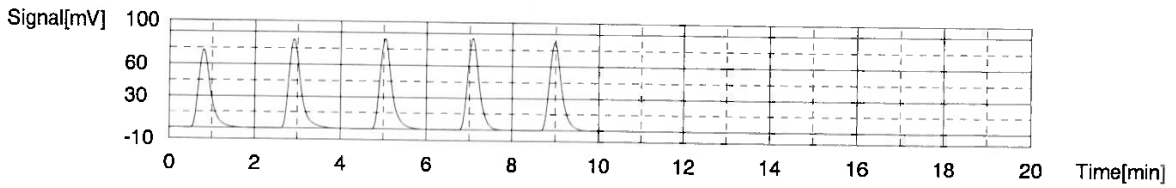
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	50.00	NPOC:2371mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	145.4	2125mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 9:39:12 PM
2	162.0	2369mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 9:41:28 PM
3	163.5	2391mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 9:43:39 PM
4	161.3	2359mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 9:45:41 PM
5	161.8	2366mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 9:47:44 PM

Mean Area 162.2
Mean Conc. 2371mg/L



Sample

Sample Name: FA98574-2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	25.00	NPOC:536.4mg/L

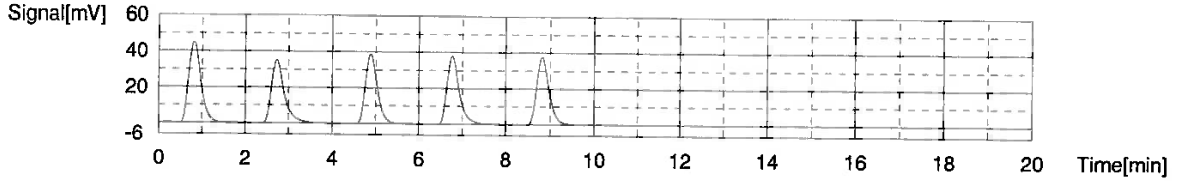
1. Det

Anal.: NPOC

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FA98517

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	88.14	640.9mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 10:02:22 PM
2	72.94	529.1mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 10:04:41 PM
3	74.77	542.5mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 10:06:43 PM
4	74.62	541.4mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 10:08:53 PM
5	73.40	532.5mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 10:10:56 PM

Mean Area 73.93
Mean Conc. 536.4mg/L



Sample

Sample Name: FA98574-9
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

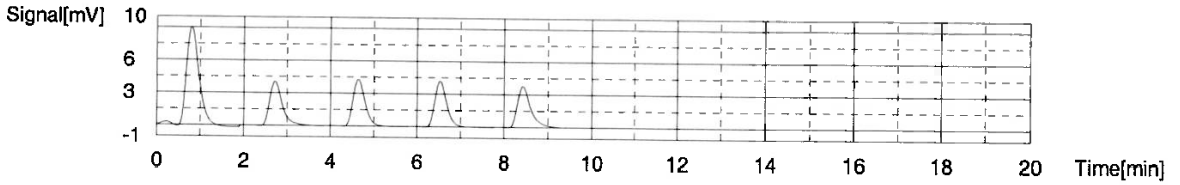
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.055mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.90	4.959mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 10:25:34 PM
2	8.097	2.073mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 10:27:37 PM
3	8.163	2.093mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 10:29:40 PM
4	7.876	2.008mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 10:31:42 PM
5	8.000	2.045mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 10:33:45 PM

Mean Area 8.034
Mean Conc. 2.055mg/L



Sample

Sample Name: FA98587-1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

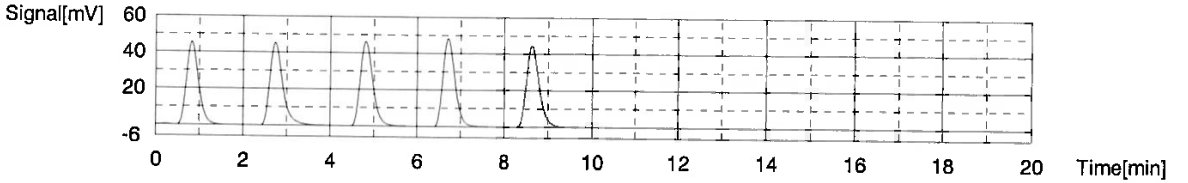
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	2.000	NPOC:53.21mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.85	51.10mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 10:48:23 PM
2	92.37	53.77mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 10:50:36 PM
3	90.92	52.91mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 10:52:38 PM
4	92.32	53.74mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 10:54:41 PM
5	90.08	52.42mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 10:56:49 PM

Mean Area 91.42
Mean Conc. 53.21mg/L



Sample

Sample Name: FA98587-2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

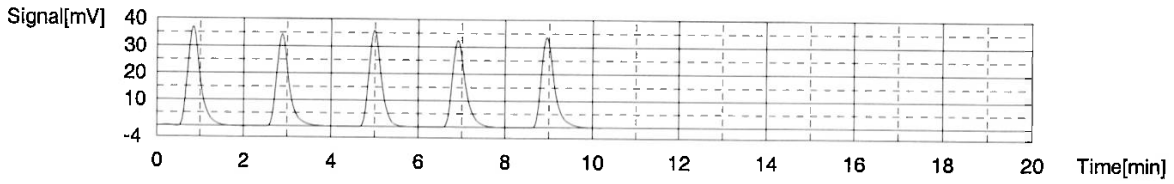
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:20.18mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	76.18	22.12mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:11:35 PM
2	69.03	20.01mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:13:50 PM
3	70.61	20.48mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:15:54 PM
4	68.36	19.81mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:18:05 PM
5	70.37	20.41mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:20:20 PM

Mean Area 69.59
Mean Conc. 20.18mg/L



Sample

Sample Name: FA98587-3
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

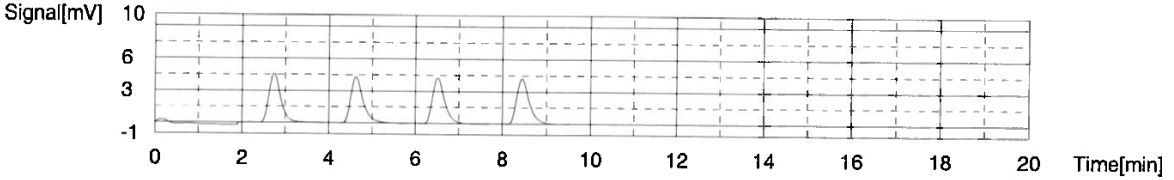
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.192mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.3106mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:34:58 PM
2	8.635	2.232mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:37:01 PM
3	8.550	2.207mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:39:03 PM
4	8.379	2.156mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:41:06 PM
5	8.437	2.173mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:43:09 PM

Mean Area 8.500
Mean Conc. 2.192mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

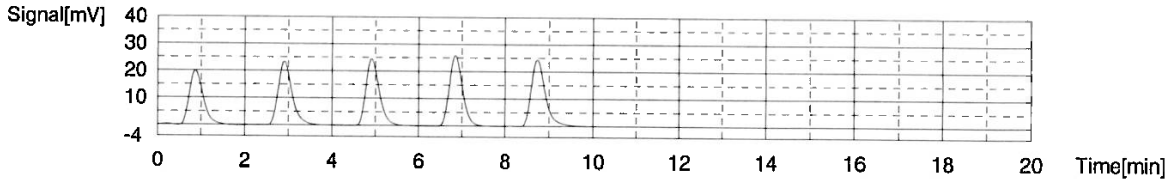
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.19mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	43.86	12.60mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/6/2022 11:57:55 PM
2	51.35	14.81mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:00:05 AM
3	52.32	15.09mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:02:08 AM
4	53.92	15.56mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:04:10 AM
5	53.04	15.30mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:06:30 AM

Mean Area 52.66
Mean Conc. 15.19mg/L



Sample

Sample Name: GP38005-MB1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

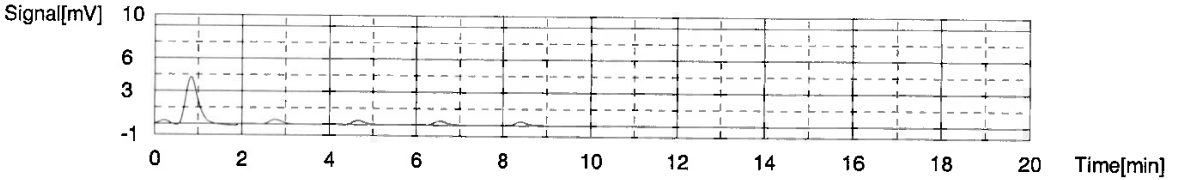
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.09900mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.567	2.212mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:21:08 AM
2	0.8107	-0.07189mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:23:11 AM
3	0.6905	-0.1073mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:25:14 AM
4	0.7203	-0.09850mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:27:16 AM
5	0.6530	-0.1183mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:29:19 AM

Mean Area 0.7186
Mean Conc. -0.09900mg/L



Sample

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FA98517

Sample Name: GP38005-B1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

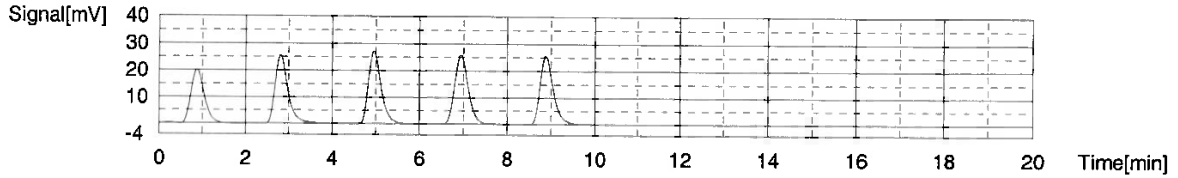
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.72mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	43.20	12.41mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:44:00 AM
2	53.24	15.36mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:46:19 AM
3	55.11	15.91mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:48:22 AM
4	55.30	15.97mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:50:30 AM
5	54.12	15.62mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:52:37 AM

Mean Area 54.44
Mean Conc. 15.72mg/L



Sample

Sample Name: FA98587-4
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:6.874mg/L

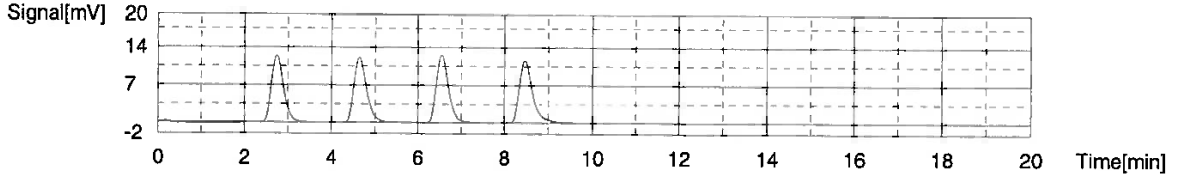
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.3106mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 1:07:15 AM
2	24.09	6.782mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 1:09:18 AM
3	24.25	6.829mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 1:11:21 AM
4	24.64	6.943mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 1:13:24 AM
5	24.63	6.940mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 1:15:35 AM

Mean Area 24.40
Mean Conc. 6.874mg/L



Sample

Sample Name: GP38005-S1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

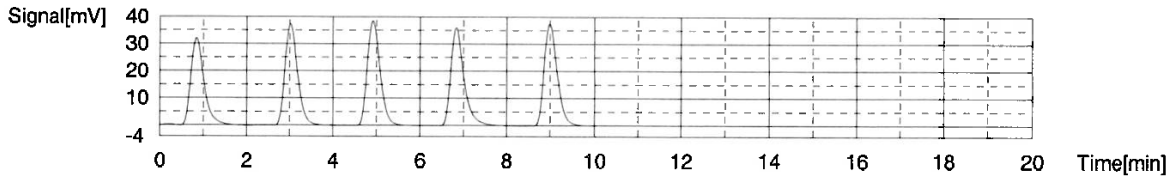
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:22.40mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	67.12	19.45mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 1:30:27 AM
2	76.16	22.11mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 1:32:30 AM
3	78.77	22.88mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 1:34:35 AM
4	76.31	22.16mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 1:36:53 AM
5	77.28	22.44mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 1:38:56 AM

Mean Area 77.13
Mean Conc. 22.40mg/L



Sample

Sample Name: GP38005-S2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

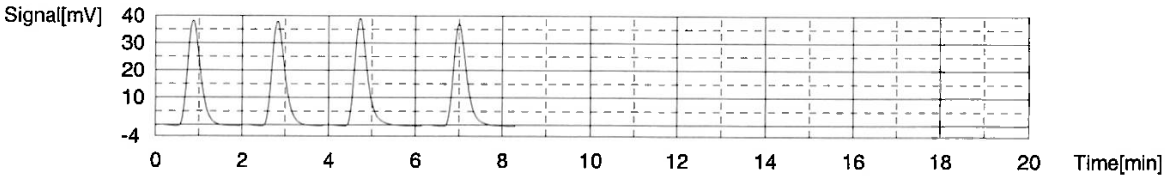
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:23.16mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	79.72	23.16mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 1:47:52 AM
2	79.43	23.07mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 1:56:46 AM
3	81.02	23.54mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 2:06:01 AM
4	78.67	22.85mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 2:15:10 AM

Mean Area 79.71
Mean Conc. 23.16mg/L



Sample

Sample Name: FA98587-5
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

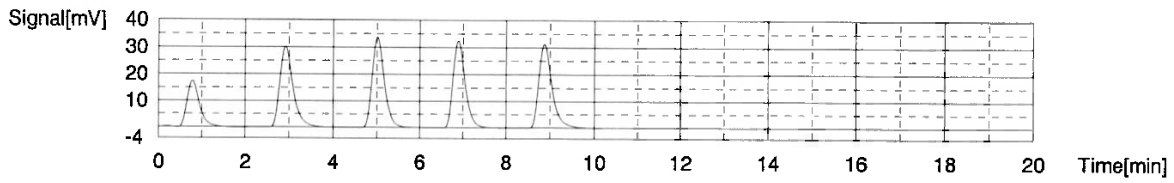
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	20.00	NPOC:375.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.69	198.0mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 2:29:57 AM
2	63.84	369.7mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 2:32:12 AM
3	66.64	386.2mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 2:34:15 AM
4	63.48	367.6mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 2:36:20 AM
5	65.36	378.6mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 2:38:38 AM

Mean Area 64.83
Mean Conc. 375.5mg/L



Sample

Sample Name: FA98587-6
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	5.000	NPOC:81.21mg/L

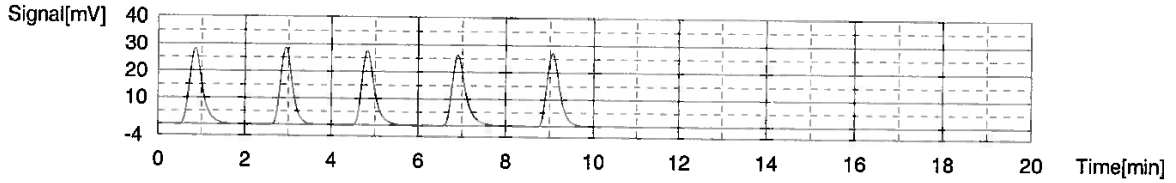
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	59.55	86.10mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 2:53:27 AM
2	56.13	81.07mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 2:55:30 AM
3	56.65	81.84mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 2:57:43 AM
4	56.40	81.47mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 3:00:02 AM
5	55.73	80.48mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 3:02:08 AM

Mean Area 56.23
Mean Conc. 81.21mg/L



Sample

Sample Name: FA98587-7
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	5.000	NPOC:97.70mg/L

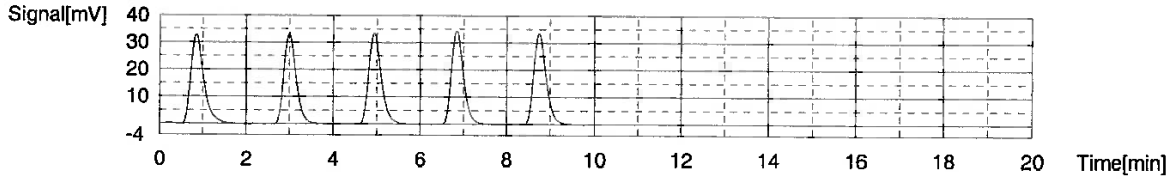
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	68.43	99.18mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 3:17:00 AM
2	64.86	93.92mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 3:19:05 AM
3	67.76	98.19mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 3:21:10 AM
4	66.66	96.57mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 3:23:13 AM
5	66.87	96.88mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 3:25:15 AM

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Mean Area 67.43
Mean Conc. 97.70mg/L



Sample

Sample Name: FA98587-8
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

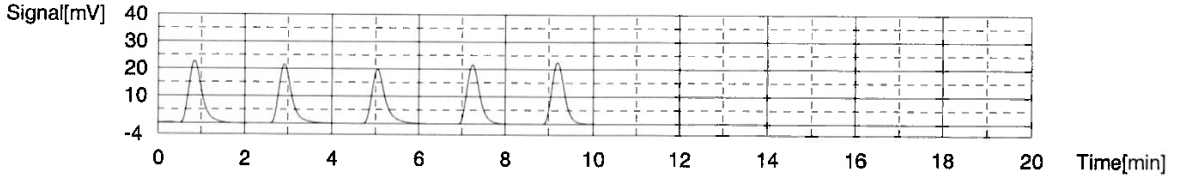
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	5.000	NPOC:62.58mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	47.63	68.56mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 3:40:04 AM
2	43.87	63.02mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 3:42:19 AM
3	42.63	61.20mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 3:44:41 AM
4	43.69	62.76mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 3:46:46 AM
5	44.09	63.35mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 3:48:48 AM

Mean Area 43.57
Mean Conc. 62.58mg/L



Sample

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Sample Name: FA98587-9
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

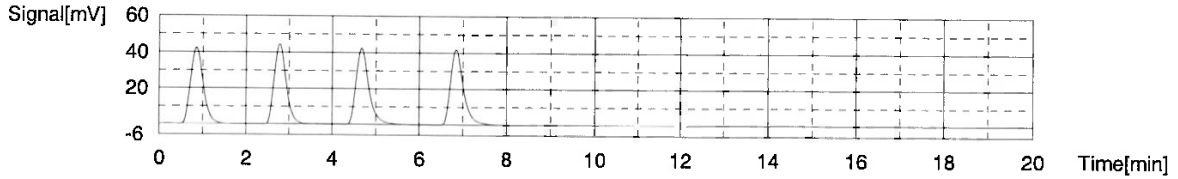
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	2.000	NPOC:50.73mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.89	49.95mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 4:03:27 AM
2	86.89	50.54mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 4:05:30 AM
3	88.98	51.77mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 4:07:50 AM
4	87.07	50.65mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 4:10:05 AM

Mean Area 87.21
Mean Conc. 50.73mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.50mg/L

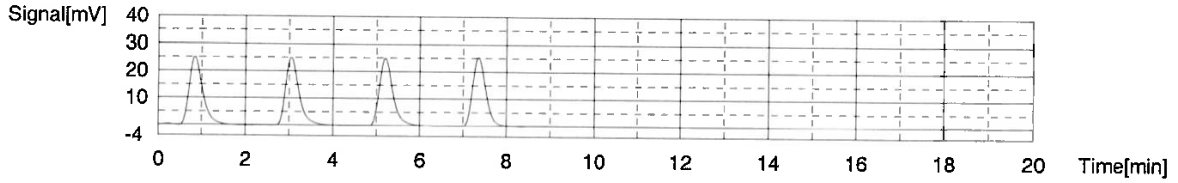
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	54.72	15.80mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 4:25:05 AM
2	53.23	15.36mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 4:27:22 AM
3	54.33	15.68mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 4:29:40 AM
4	52.57	15.17mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 4:31:46 AM

Mean Area 53.71
Mean Conc. 15.50mg/L



Sample

Sample Name: CCB
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

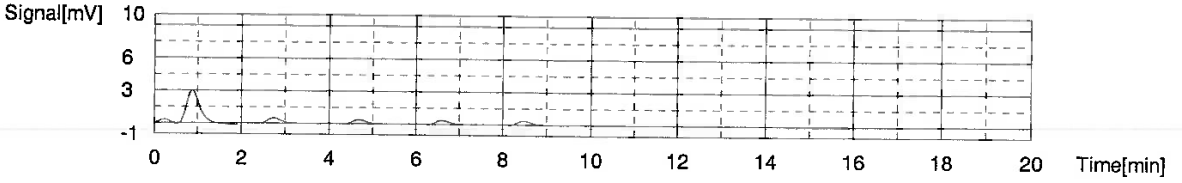
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.05699mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.581	1.627mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 4:46:28 AM
2	0.9958	-0.01740mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 4:48:31 AM
3	0.8509	-0.06006mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 4:50:34 AM
4	0.8182	-0.06968mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 4:52:36 AM
5	0.7804	-0.08081mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 4:54:39 AM

Mean Area 0.8613
Mean Conc. -0.05699mg/L



Sample

Sample Name:	CCV
Sample ID:	Untitled
Origin:	NPOC.met
Status	Completed
Chk. Result	

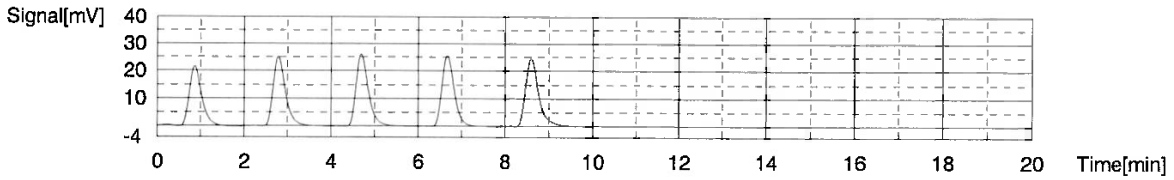
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.45mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	43.15	12.39mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 10:24:27 AM
2	49.20	14.17mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 10:26:31 AM
3	51.21	14.77mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 10:28:38 AM
4	49.57	14.28mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 10:30:41 AM
5	50.55	14.57mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 10:33:06 AM

Mean Area 50.13
Mean Conc. 14.45mg/L



Sample

Sample Name:	CCB
Sample ID:	Untitled
Origin:	NPOC.met
Status	Completed
Chk. Result	

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.09775mg/L

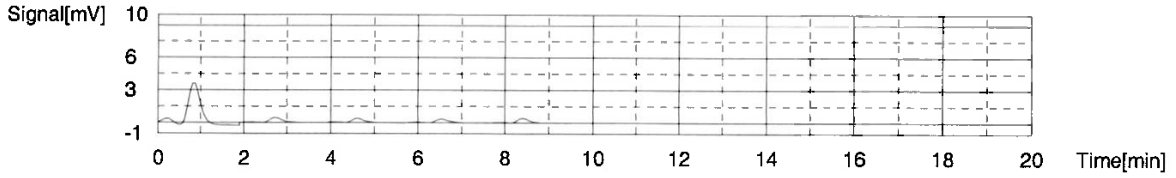
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1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.701	1.662mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 10:50:08 AM
2	0.8259	-0.06742mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 10:52:11 AM
3	0.6890	-0.1077mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 10:54:14 AM
4	0.6539	-0.1181mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 10:56:17 AM
5	0.7227	-0.09780mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 10:58:20 AM

Mean Area 0.7229
Mean Conc. -0.09775mg/L



Sample

Sample Name: B1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

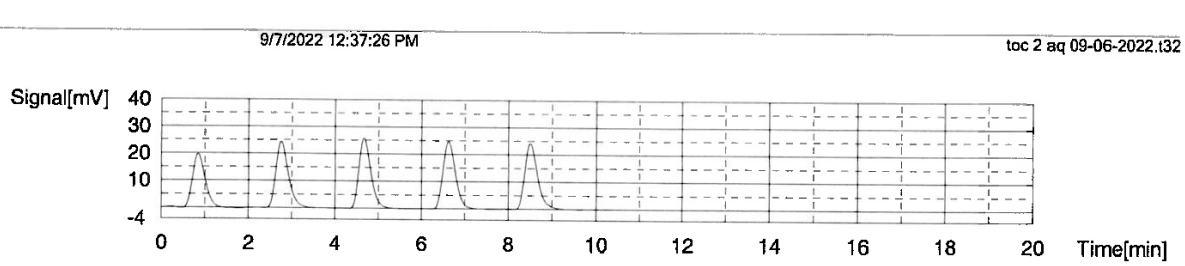
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.21mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	39.55	11.33mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 11:12:56 AM
2	48.83	14.06mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 11:15:02 AM
3	49.34	14.22mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 11:17:05 AM
4	49.80	14.35mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 11:19:08 AM
5	49.26	14.19mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 11:21:20 AM

Mean Area 49.31
Mean Conc. 14.21mg/L



Sample

Sample Name: FA98564-4
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

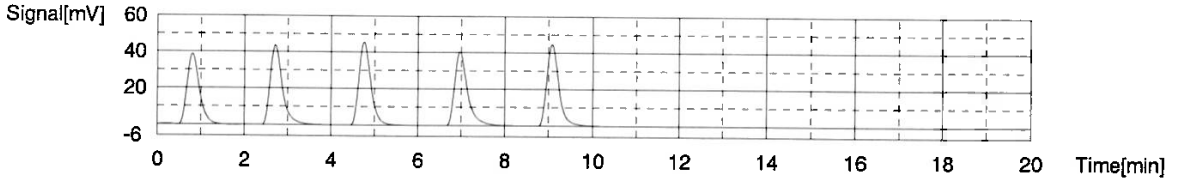
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	100.0	NPOC:2434mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	75.16	2182mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 11:36:08 AM
2	83.69	2433mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 11:38:20 AM
3	85.67	2491mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 11:40:41 AM
4	82.24	2390mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 11:42:57 AM
5	83.26	2420mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 11:45:09 AM

Mean Area 83.72
Mean Conc. 2434mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

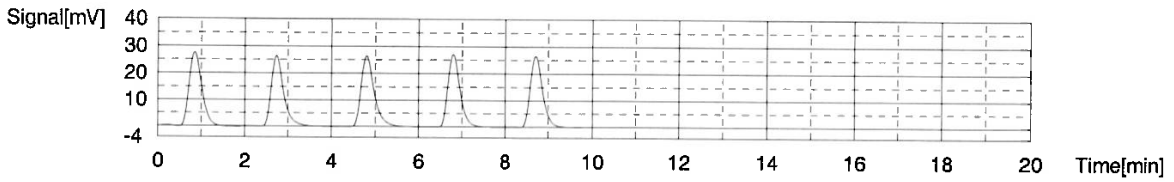
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.33mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	56.29	16.26mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:00:00 PM
2	52.24	15.07mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:02:12 PM
3	54.79	15.82mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:04:21 PM
4	52.86	15.25mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:06:24 PM
5	52.59	15.17mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:08:27 PM

Mean Area 53.12
Mean Conc. 15.33mg/L



Sample

Sample Name: CCB
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.00822mg/L

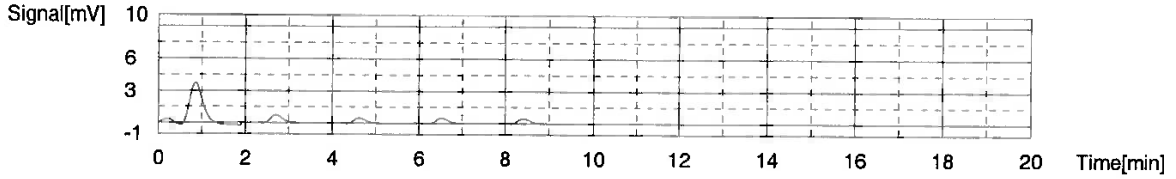
1. Det

Anal.: NPOC

Raw Data GN92231: Total Organic Carbon page 43 of 47
QC Reports: GN92231
561 of 644
FA98517

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.522	1.904mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:23:04 PM
2	1.326	0.07981mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:25:07 PM
3	0.9302	-0.03671mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:27:10 PM
4	0.9455	-0.03221mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:29:13 PM
5	0.9062	-0.04378mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	9/7/2022 12:31:16 PM

Mean Area 1.027
Mean Conc. -0.00822mg/L



Instr.Information

System	TOC-2
Instrument Options	TOC/ASI/
Catalyst	Regular Sensitivity

Cal. Curve

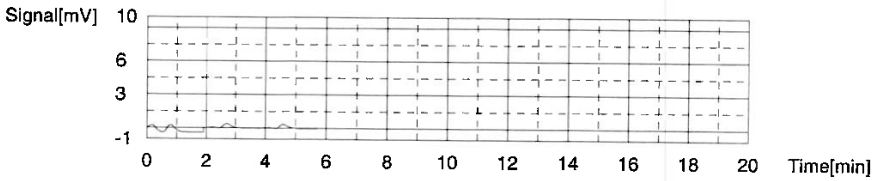
Sample Name:	NPOC METHOD
Sample ID:	Untitled
Cal. Curve:	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal
Status	Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.166	50uL	1	*******	E	7/13/2022 5:59:44 PM
2	0.6985	50uL	1	*******		7/13/2022 6:01:47 PM
3	0.6631	50uL	1	*******		7/13/2022 6:03:50 PM

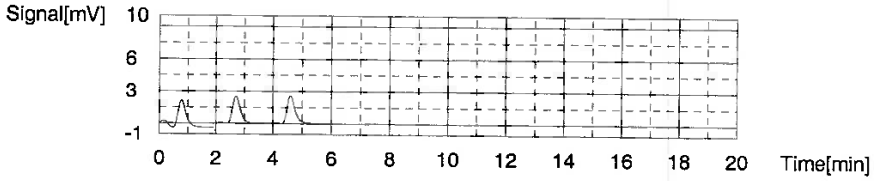
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 0.6808



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.606	50uL	1	*******	E	7/13/2022 6:16:52 PM
2	4.779	50uL	1	*******		7/13/2022 6:18:55 PM
3	4.869	50uL	1	*******		7/13/2022 6:20:58 PM

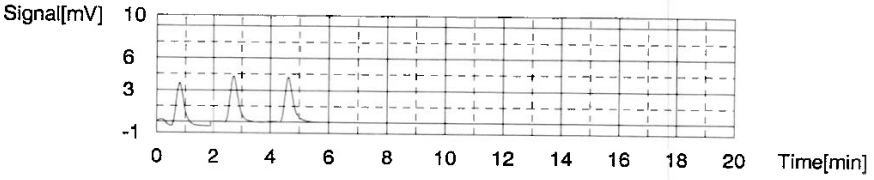
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 4.824



Conc: 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	7.484	50uL	1	*******	E	7/13/2022 6:34:00 PM
2	8.271	50uL	1	*******		7/13/2022 6:36:03 PM
3	8.316	50uL	1	*******		7/13/2022 6:38:06 PM

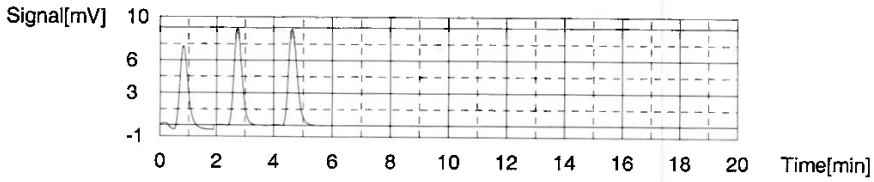
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 8.294



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	15.19	50uL	1	*******	E	7/13/2022 6:51:08 PM
2	17.47	50uL	1	*******		7/13/2022 6:53:11 PM
3	17.64	50uL	1	*******		7/13/2022 6:55:14 PM

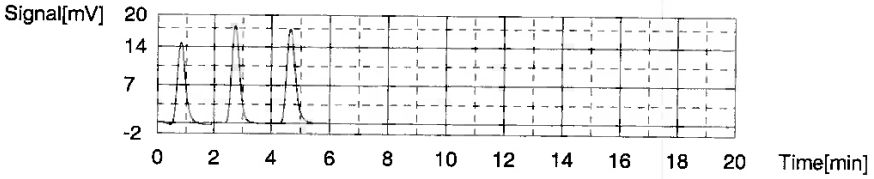
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 17.56



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	30.73	50uL	1	*******	E	7/13/2022 7:08:16 PM
2	35.29	50uL	1	*******		7/13/2022 7:10:19 PM
3	35.37	50uL	1	*******		7/13/2022 7:12:30 PM

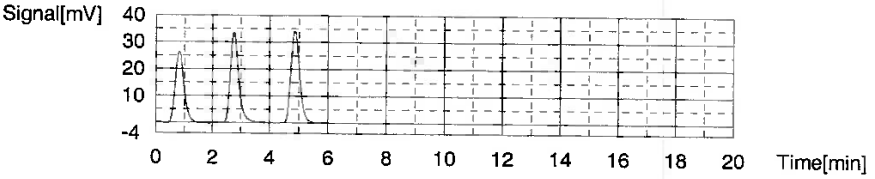
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 35.33



Conc: 20.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	57.65	50uL	1	*******	E	7/13/2022 7:25:34 PM
2	68.26	50uL	1	*******		7/13/2022 7:27:48 PM
3	68.50	50uL	1	*******		7/13/2022 7:29:51 PM

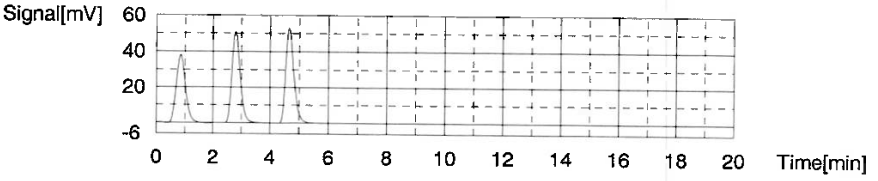
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 68.38



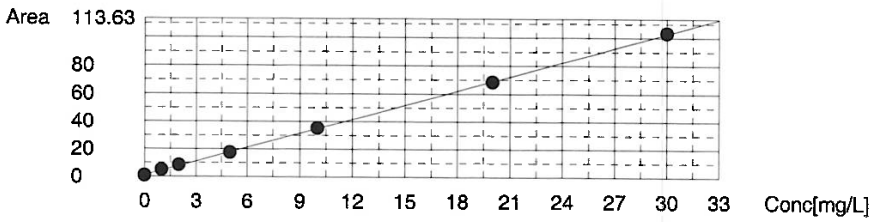
Conc: 30.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	87.35	50uL	1	*******	E	7/13/2022 7:42:56 PM
2	103.2	50uL	1	*******		7/13/2022 7:44:59 PM
3	103.4	50uL	1	*******		7/13/2022 7:47:02 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 103.3



Slope:	3.397
Intercept	1.055
r^2	0.9999
r	0.9999
Zero Shift	No



Sample

Sample Name:	ICV
Sample ID:	Untitled
Origin:	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal
Status	Completed
Chk. Result	

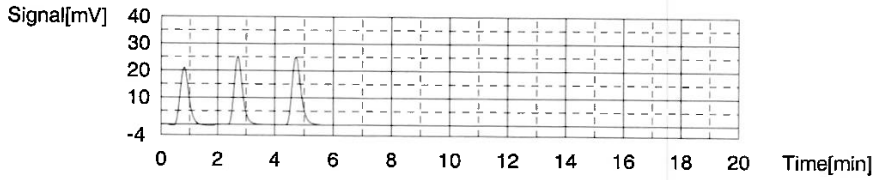
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.68mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	45.49	13.08mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17	7/14/2022 9:46:35 AM
2	51.10	14.73mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17	7/14/2022 9:48:43 AM
3	50.74	14.63mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17	7/14/2022 9:50:50 AM

Mean Area	50.92
Mean Conc.	14.68mg/L



IC STANDARDS PREP LOG

STANDARD NAME	ANALYTES	STOCK MFG. #	STOCK LOT #	STOCK EXP. DATE	STOCK CONC. (mg/l)	VOLUME ADDED (ml)	TOTAL VOLUME (ml)	STANDARD CONC. (mg/l)	PREP DATE	INITIALS	STD LOT #	EXP. DATE
B1	NO_2/NO_3	ICO13973/4	Ref	8-31-22	100	1.25	50	2.5	8-31-22	JR	ICO13976	8-31-22
↓	SO_4	GN33802	↓	9-30-22	1000	2.5	↓	50	↓	↓	↓	↓
	Cl	↓ 3		↓	↓	↓		↓				
	F	WC1893	Iaschem	12-28-23	↓	0.125		2.5				
	PO_4	WC1862	Inorganics	10-6-22		↓		↓				
↓	Br	GN33804	Ref	9-30-22	↓	0.5		10			↓	
Std 10	NO_2/NO_3	ICO13971/2	Ref	8-31-22	100	5		10			ICO13977	
↓	SO_4	WC1955	LGC	5-1-23	1000	↓		100			↓	
	Cl	53	fisher	5-1-24	↓			↓				
	F	70	LGC	6-30-23		0.5		10				
	PO_4	29	Spex	4-30-23		↓		↓				
	Br	↓ 68	↓	6-30-23	↓	1	↓	20	↓	↓	↓	↓
$1°NO_2$	WC1949	NO_2	Ricca	10-1-22	1000	2.5	25	100	8-31-22	JR	ICO13978	9-1-22
$1°NO_3$	1899	NO_3	Absolute	11-3-24							79	
$2°NO_2$	1975	NO_2	↓	5-18-24							80	
$2°NO_3$	↓ 1976	NO_3		5-12-25	↓	↓	↓	↓	↓	↓	↓ 81	↓
CLN	NO_2/NO_3	ICO13978/9	Ref	9-1-22	100	5	200	2.5			ICO13982	
↓	SO_4	WC1955	LGC	5-1-23	1000	10		50			↓	
	Cl	53	fisher	5-1-24		↓		↓				
	F	70	LGC	6-30-23		0.5		2.5				
	Br	↓ 68	Spex	↓	↓	2	↓	10			↓	
B1	NO_2/NO_3	ICO13980/1	Ref	9-1-22	100	1.25	50	2.5			ICO13983	
↓	SO_4	GN33802		9-30-22	1000	25		50			↓	
	Cl	↓ 3			↓	↓		↓				
	F	ICO13907			100	1.25		2.5				
↓	Br	GN33804			1000	0.5		10			↓	
Std 10	NO_2/NO_3	ICO13978/9	↓	9-1-22	100	5		10			ICO13984	
↓	SO_4	WC1955	LGC	5-1-23	1000	↓		100			↓	
	Cl	53	fisher	5-1-24	↓			↓				
	F	70	LGC	6-30-23		0.5		10				
↓	Br	↓ 68	Spex	↓	↓	1	↓	20	↓	↓	↓	↓
$1°NO_2$	NO_2	WC1949	Ricca	10-1-22	1000	2.5	25	100	9-2-22	JR	ICO13985	9-3-22
$1°NO_3$	NO_3	↓ 1899	Absolute	11-3-24	↓	↓	↓	↓	↓		↓ 6 7	↓
$2°NO_2$	NO_2	↓ 1975	↓	5-18-24	↓	↓	↓	↓	↓			

IC STANDARDS PREP LOG

JR 9/2/22

STANDARD NAME	ANALYTES	STOCK MFG. #	STOCK LOT #	STOCK EXP. DATE	STOCK CONC. (mg/l)	VOLUME ADDED (ml)	TOTAL VOLUME (ml)	STANDARD CONC. (mg/l)	PREP DATE	INITIALS	STD LOT #	EXP. DATE
2°NO_3 CW	NO_3	WC1976	Absolute	5-12-25	1000	2.5	25	100	9-2-22	JR	1C013988	9-3-22
↓	NO_2/NO_3	1C013985/6	Ref	9-3-22	100	5	200	2.5	↓	↓	1C013989	↓
	SO_4	WC1955	LGC	5-1-23	1000	10	↓	50			↓	
	Cl	↓ 53	fisher	5-1-24	↓	↓		↓				
	F	70	LGC	6-30-23		0.5		2.5				
↓	Br	68	Spex	↓	↓	2	↓	10			↓	
B1	NO_2/NO_3	1C03987/8	Ref	9-3-22	100	1.25	50	2.5			1C013990	
↓	SO_4	GN33802		9-30-22	1000	2.5		50				
	Cl	↓ 3			↓	↓		↓				
	F	1C013907			100	1.25		2.5				
↓	Br	GN33804	↓	↓	1000	0.5	↓	10	↓	↓	↓	↓
2°F	F	WC1893	Lachem	12-28-23	1000	5	50	100	9-3-22	JR	1C013991	~~10-3-22~~
Std 10	NO_2/NO_3	1C013985/6	Ref	9-3-22	100	5		10			1C013992	~~9-4-22~~ 9-3-22
↓	SO_4	WC1955	LGC	5-1-23	1000			100			↓	JR 9/3/22
	Cl	↓ 53	fisher	5-1-24	↓	↓		↓				
	F	70	LGC	6-30-23		0.5		10				
↓	Br	68	Spex	↓	↓	1		20			↓	
B1	NO_2/NO_3	1C013987/8	Ref	9-3-22	100	1.25		2.5			1C013993	
↓	SO_4	GN33802		9-30-22	1000	2.5		50				
	Cl	↓ 3		↓	↓	↓		↓				
	F	1C013991		10-3-22	100	1.25		2.5				
↓	Br	GN33804	↓	9-30-22	1000	0.5	↓	10	↓	↓	↓	↓

IC Soil Prep

Method: SW846 9056A

Analyst: JR
GP 380114

Date (mm/dd/yy): 9/3/22
Time (24:00): 13:19

	Sample ID	Bottle #	Weight g	Final Vol ml
MB	MB1	-	5.21	50mL
SB	B1	-	5.09	"
MS1	FIA98447-1	4	5.07	"
MSD1	" -1	"	5.07	"
QC1	" -1	"	5.27	"
2	" -2	"	5.20	"
3				
4				
5				
6				
7				
8				
9				
10				
MS2				
MSD2				
QC2				
12				
13				
14				
15				
16				
17				
18				
19				
20				

JR 9/3/22

Balance ID AdvPro1

REAGENTS

Spike Lot # 10013093
Cup Lot # 2204135
SRM Lot # 29273875
Vial Lot # 702550-F 23491
Syringe Lot # ①
Filter Lot # "

Comments: _____

Analyst's Signature: Jadyn Rios Date: 9/3/22

Reveiwer's Signature: _____ Date: _____

IC Instrument Log

Method: EPA300.0 / SW846 9056A (circle one)

Date:	9/3/22 @11:20
Analyst:	JR
Instrument:	#4
Inst. File Name:	420330010301.CSV

Prep Batchs:	38012/3/4
Analytical Batch:	GN92241
Calibration Date:	9.3.22
Pump pressure:	8.70MPa

Vial lot#	702550-L 23491
Cap lot#	
Syringe lot#	
Filter lot#	

Standards	
ICAL:	1013992
ICV:	93
CCV:	89
QC:	93

Sample#					Filter (y/n)	Ions Needed						Results OK or Dilution Needed						Comments
Rinse	Bot#	Matrix	Scon	DF		F	Cl	NO2	Br	NO3	SO4	(1)F	Cl	NO2	Br	NO3	SO4	
Std A	N/A	AQ	N/A	1	N													(1)Ok unless marked
B																		calibration
C																		
D																		
E																		
F																		
G																		
H																		
I																		
J																		
K																		
ICV																		
ICB																		
CCV1																		
CCV																		
CCB																		
CCV						—					—							
CCB						—					—							
MB1						—					—							
B1	↓		↓			—					—	FR						
FA98362-10	13		540µl															
↓ -16	18		231µl	↓														
FA98348-1	1		MMS	100														
438-151						—					—							
438-152			↓	↓		—					—							
438-2	↓		BMS	↓		—					—							
FA98609-1	6		1000µl	10		—					—	RR						
↓ 2	↓	↓	1095µl	↓	↓	—					—	↓						

JR 9/3/22

Rev 0116 LM

SGS Accutest - Orlando

IC Instrument Log

Method: EPA300.0 / SW846 9056A (circle one)

Date: 9/3/22 (cont.)	
Analyst:	
Instrument:	
Inst. File Name:	

Prep Batchs:	
Analytical Batch:	
Calibration Date:	
Pump pressure:	

Vial lot#	
Cap lot#	
Syringe lot#	
Filter lot#	

Standards	
ICAL:	
ICV:	
CCV:	
QC:	

Sample#	Bot#	Matrix	Scon	DF	Filter (y/n)	Ions Needed						Results OK or Dilution Needed						Comments
						F	Cl	NO2	Br	NO3	SO4	F	Cl	NO2	Br	NO3	SO4	
CW	-	AQ	-	1	N													
CW3	-		-	↓														
FIA986009-3	10		588µS	10								OK						
-4			1810µS	25														
-5			2.3mS	50														
-6			515µS	5														
-7			401µS	↓														
-8			1030µS	25														
-9	↓		1413µS	↓								↓						
FIA984668-1	10		725µS	5														*gk 9/3/22
-103	↓		↓	↓														
-104	↓		↓	↓														
CW	-		-	1														
CW3	-		-	↓														
FIA984668-2	10		422µS	↓														
-3			1016µS	10														
-4			721µS	5														
-5			391µS	1														
-6			780µS	↓														
-7	↓		854µS	↓														
MB1	-		-	1														
B1	-		-	↓														
FIA984668-8	10		873µS	5														
-851	↓		↓	↓														
CW	-		-	1														
CW3	-		-	↓														
FIA984668-852	10		973µS	5														
-9	↓	↓	5760µS	1	↓													

IC Instrument Log

Method: EPA300.0 / SW846 9056A (circle one)

Date:	9/3/22 (10wA.)
Analyst:	
Instrument:	
Inst. File Name:	

Prep Batchs:	
Analytical Batch:	
Calibration Date:	
Pump pressure:	

Vial lot#	
Cap lot#	
Syringe lot#	
Filter lot#	

Standards	
ICAL:	
ICV:	
CCV:	
QC:	

Sample#	Bot#	Matrix	Scon	DF	Filter (y/n)	Ions Needed						Results OK or Dilution Needed						Comments
						F	Cl	NO2	Br	NO3	SO4	F	Cl	NO2	Br	NO3	SO4	
FA98485-1	6	AQ	485	1	Y													
-2	5		↓															
-3	8		436															
-4	5		331															
-5	8		475															
-6	↓		260															
-7			363															
-8	↓		280															
CW	-		-															
CW3	-		-															
FA98485-9	8		252	↓														
FA98517-1	10		800	5														
-2	↓		654	↓														
-3	↓		685															
-4	87		701															
-453	↓		↓															
-454	↓		↓															
-5	10		767															
-7	↓		744	↓														
FA98522-1	8		285	1														
CW	-		-															
CW3	-		-															
FA98522-2	5		320															
-3	8		340	↓														
MBIF	-	SO	N/A															
BIF	-		↓	↓														
FA98447-1	4	↓	↓	5														
-151	↓	↓	↓	↓	↓													

Rev 0116 LM

SGS Accutest - Orlando

IC Instrument Log

Method: EPA300.0 / SW846 9056A (circle one)

Date:	9/3/22 (1 of 1)
Analyst:	
Instrument:	
Inst. File Name:	

Prep Batchs:	
Analytical Batch:	
Calibration Date:	
Pump pressure:	

Vial lot#	
Cap lot#	
Syringe lot#	
Filter lot#	

Standards	
ICAL:	
ICV:	
CCV:	
QC:	

Sample#	Bot#	Matrix	Scon	DF	Filter (y/n)	Ions Needed F	Cl	NO2	Br	NO3	SO4	Results OK or Dilution Needed F	Cl	NO2	Br	NO3	SO4	Comments
FA98447-152	4	SO	-	5	N													
↓ -2	↓	↓	-	↓														
ICV	-	AQ	-	1	↓	—				—								
CCB	-	↓	-	↓	↓	—				—								

JK 9/7/22

MagIC Net

2022-09-07 9:40:01

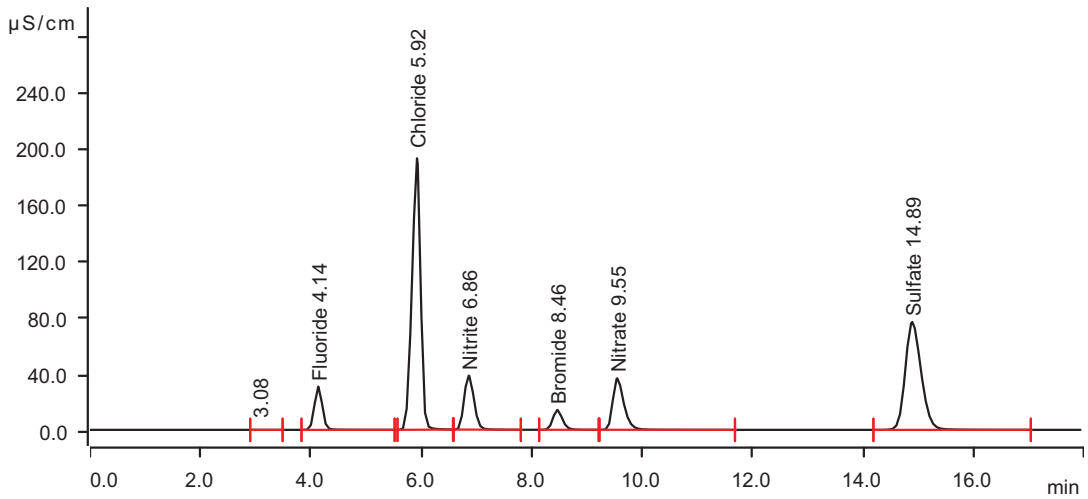
Sample data

Ident	STDK
Sample type	Standard 10
Determination start	2022-09-03 15:39:49 UTC-4
Method	SGS In-Vial Anions191003A
Operator	JR

Anions

Data source	Conductivity detector 1 (930 Compact IC Flex 1)	
Channel	Conductivity	
Recording time	18.0	min
Integration	Automatically	
Column type	Metrosep A Supp 5 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	8.55	MPa
Maximum pressure monitored	yes	
Temperature	30.0	°C

Anions



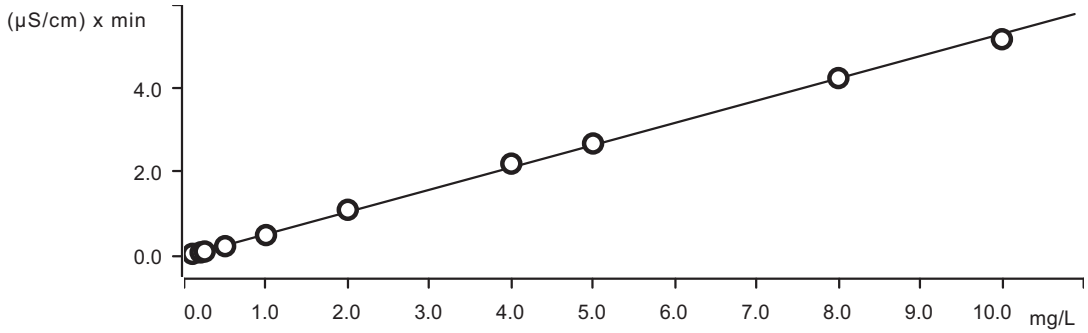
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration mg/L	Component name
1	3.080	0.0008	0.003	invalid	
2	4.137	5.1813	30.641	9.759	Fluoride
3	5.922	34.7756	192.403	99.413	Chloride
4	6.858	7.9326	38.259	9.776	Nitrite
5	8.462	2.8658	14.074	20.409	Bromide
6	9.548	8.5415	36.520	10.084	Nitrate
7	14.888	25.5635	76.474	100.429	Sulfate

Metrohm

MagIC Net

2022-09-07 9:40:01

Fluoride (Anions)



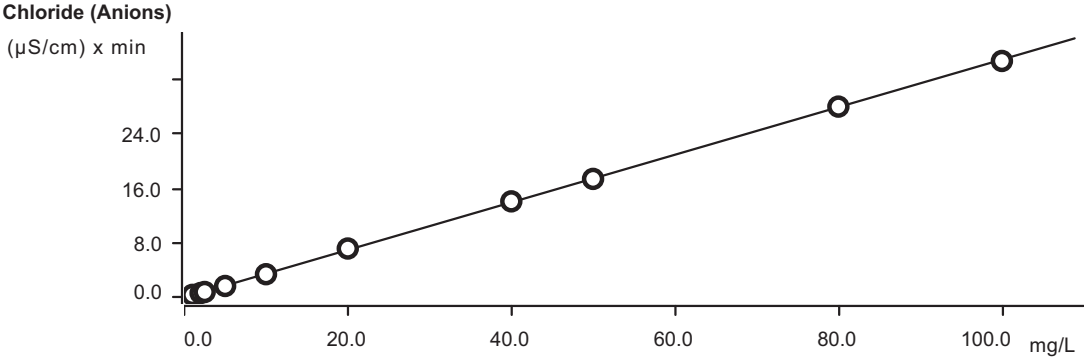
Function: . . . . . *A = - 0.0229865 + 0.0266628× Q*

Relative standard deviation . . . . . *3.774190 %*

Correlation coefficient *0.999521*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-09-03 11:41:23 UTC-4
Standard 1	1	0.100	20.0	1.0	1.0	0.0416	STDB	2022-09-03 12:27:52 UTC-4
Standard 2	1	0.200	20.0	1.0	1.0	0.0761	STDC	2022-09-03 12:48:54 UTC-4
Standard 3	1	0.250	20.0	1.0	1.0	0.0976	STDD	2022-09-03 13:09:55 UTC-4
Standard 4	1	0.500	20.0	1.0	1.0	0.2250	STDE	2022-09-03 13:33:31 UTC-4
Standard 5	1	1.000	20.0	1.0	1.0	0.4908	STDF	2022-09-03 13:54:43 UTC-4
Standard 6	1	2.000	20.0	1.0	1.0	1.0967	STDG	2022-09-03 14:15:43 UTC-4
Standard 7	1	4.000	20.0	1.0	1.0	2.2013	STDH	2022-09-03 14:36:44 UTC-4
Standard 8	1	5.000	20.0	1.0	1.0	2.6846	STDI	2022-09-03 14:57:46 UTC-4
Standard 9	1	8.000	20.0	1.0	1.0	4.2507	STDJ	2022-09-03 15:18:48 UTC-4
Standard 10	1	10.000	20.0	1.0	1.0	5.1813	STDK	2022-09-03 15:39:49 UTC-4

Chloride (Anions)



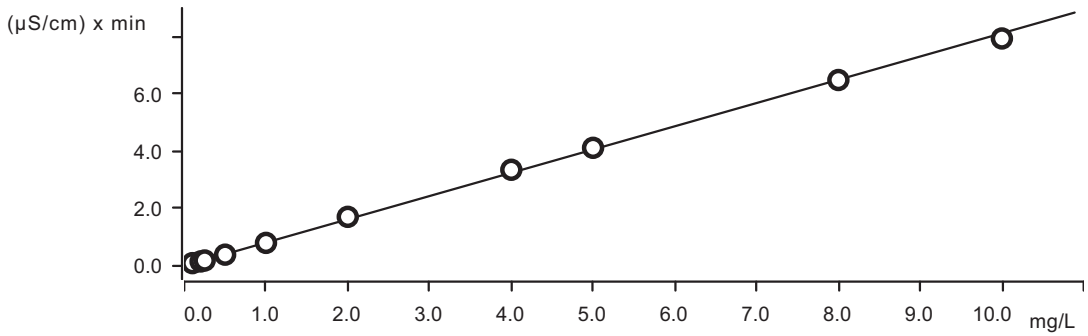
Function: . . . . . *A = - 0.0947322 + 0.0175381× Q*

Relative standard deviation . . . . . *1.183589 %*

Correlation coefficient *0.999953*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-09-03 11:41:23 UTC-4
Standard 1	1	1.000	20.0	1.0	1.0	0.3016	STDB	2022-09-03 12:27:52 UTC-4
Standard 2	1	2.000	20.0	1.0	1.0	0.5725	STDC	2022-09-03 12:48:54 UTC-4
Standard 3	1	2.500	20.0	1.0	1.0	0.7273	STDD	2022-09-03 13:09:55 UTC-4
Standard 4	1	5.000	20.0	1.0	1.0	1.6105	STDE	2022-09-03 13:33:31 UTC-4
Standard 5	1	10.000	20.0	1.0	1.0	3.3471	STDF	2022-09-03 13:54:43 UTC-4
Standard 6	1	20.000	20.0	1.0	1.0	7.1311	STDG	2022-09-03 14:15:43 UTC-4
Standard 7	1	40.000	20.0	1.0	1.0	14.0835	STDH	2022-09-03 14:36:44 UTC-4
Standard 8	1	50.000	20.0	1.0	1.0	17.3925	STDI	2022-09-03 14:57:46 UTC-4
Standard 9	1	80.000	20.0	1.0	1.0	28.0475	STDJ	2022-09-03 15:18:48 UTC-4
Standard 10	1	100.000	20.0	1.0	1.0	34.7756	STDK	2022-09-03 15:39:49 UTC-4

Nitrite (Anions)



Function: . . . . . *A = - 0.0256586 + 0.0407017× Q*

Relative standard deviation . . . . . *3.353746 %*

Correlation coefficient *0.999618*

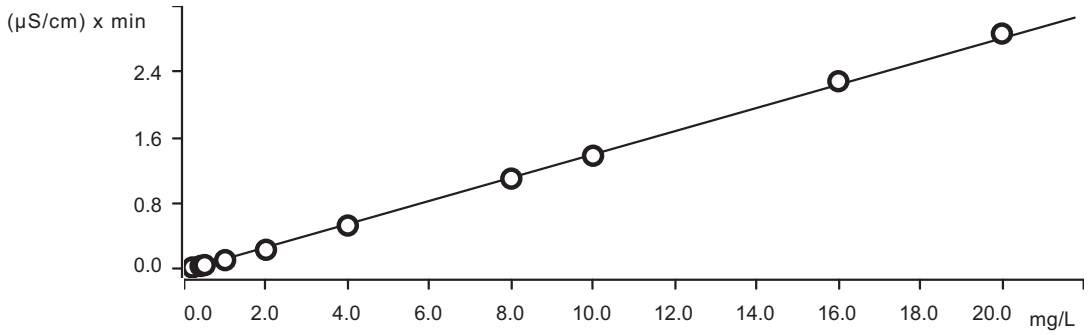
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-09-03 11:41:23 UTC-4
Standard 1	1	0.100	20.0	1.0	1.0	0.0674	STDB	2022-09-03 12:27:52 UTC-4
Standard 2	1	0.200	20.0	1.0	1.0	0.1266	STDC	2022-09-03 12:48:54 UTC-4
Standard 3	1	0.250	20.0	1.0	1.0	0.1614	STDD	2022-09-03 13:09:55 UTC-4
Standard 4	1	0.500	20.0	1.0	1.0	0.3642	STDE	2022-09-03 13:33:31 UTC-4
Standard 5	1	1.000	20.0	1.0	1.0	0.7774	STDF	2022-09-03 13:54:43 UTC-4

MagIC Net

2022-09-07 9:40:01

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 6	1	2.000	20.0	1.0	1.0	1.6890	STDG	2022-09-03 14:15:43 UTC-4
Standard 7	1	4.000	20.0	1.0	1.0	3.3357	STDH	2022-09-03 14:36:44 UTC-4
Standard 8	1	5.000	20.0	1.0	1.0	4.1051	STDI	2022-09-03 14:57:46 UTC-4
Standard 9	1	8.000	20.0	1.0	1.0	6.4781	STDJ	2022-09-03 15:18:48 UTC-4
Standard 10	1	10.000	20.0	1.0	1.0	7.9326	STDK	2022-09-03 15:39:49 UTC-4

Bromide (Anions)



Function: . . . . . *A = - 0.0150980 + 7.05777E-3× Q*

Relative standard deviation . . . . . *3.460842 %*

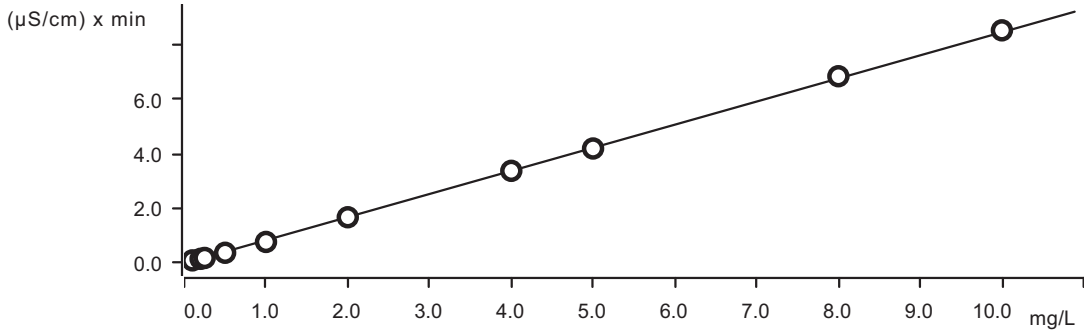
Correlation coefficient *0.999623*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-09-03 11:41:23 UTC-4
Standard 1	1	0.200	20.0	1.0	1.0	0.0218	STDB	2022-09-03 12:27:52 UTC-4
Standard 2	1	0.400	20.0	1.0	1.0	0.0402	STDC	2022-09-03 12:48:54 UTC-4
Standard 3	1	0.500	20.0	1.0	1.0	0.0509	STDD	2022-09-03 13:09:55 UTC-4
Standard 4	1	1.000	20.0	1.0	1.0	0.1112	STDE	2022-09-03 13:33:31 UTC-4
Standard 5	1	2.000	20.0	1.0	1.0	0.2370	STDF	2022-09-03 13:54:43 UTC-4
Standard 6	1	4.000	20.0	1.0	1.0	0.5317	STDG	2022-09-03 14:15:43 UTC-4
Standard 7	1	8.000	20.0	1.0	1.0	1.1022	STDH	2022-09-03 14:36:44 UTC-4
Standard 8	1	10.000	20.0	1.0	1.0	1.3805	STDI	2022-09-03 14:57:46 UTC-4
Standard 9	1	16.000	20.0	1.0	1.0	2.2863	STDJ	2022-09-03 15:18:48 UTC-4
Standard 10	1	20.000	20.0	1.0	1.0	2.8658	STDK	2022-09-03 15:39:49 UTC-4

MagIC Net

2022-09-07 9:40:01

Nitrate (Anions)



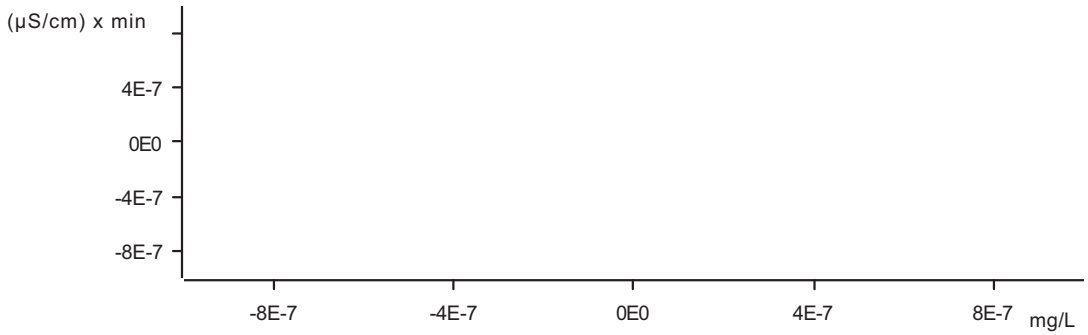
Function: . . . . . *A = - 0.0422025 + 0.0425624× Q*

Relative standard deviation . . . . . *1.867067 %*

Correlation coefficient *0.999888*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-09-03 11:41:23 UTC-4
Standard 1	1	0.100	20.0	1.0	1.0	0.0650	STDB	2022-09-03 12:27:52 UTC-4
Standard 2	1	0.200	20.0	1.0	1.0	0.1220	STDC	2022-09-03 12:48:54 UTC-4
Standard 3	1	0.250	20.0	1.0	1.0	0.1542	STDD	2022-09-03 13:09:55 UTC-4
Standard 4	1	0.500	20.0	1.0	1.0	0.3458	STDE	2022-09-03 13:33:31 UTC-4
Standard 5	1	1.000	20.0	1.0	1.0	0.7451	STDF	2022-09-03 13:54:43 UTC-4
Standard 6	1	2.000	20.0	1.0	1.0	1.6542	STDG	2022-09-03 14:15:43 UTC-4
Standard 7	1	4.000	20.0	1.0	1.0	3.3644	STDH	2022-09-03 14:36:44 UTC-4
Standard 8	1	5.000	20.0	1.0	1.0	4.1878	STDI	2022-09-03 14:57:46 UTC-4
Standard 9	1	8.000	20.0	1.0	1.0	6.8502	STDJ	2022-09-03 15:18:48 UTC-4
Standard 10	1	10.000	20.0	1.0	1.0	8.5415	STDK	2022-09-03 15:39:49 UTC-4

Phosphate (Anions)



MagIC Net

2022-09-07 9:40:01

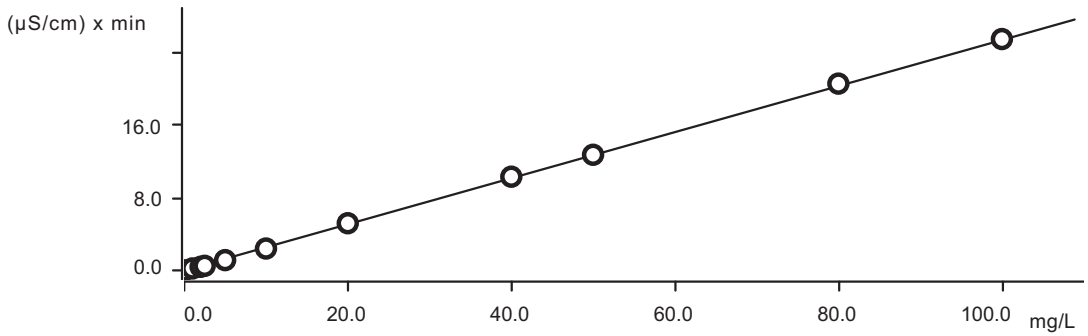
Function: . . . . . .

Relative standard deviation . . . . . *invalid %*

Correlation coefficient . . . . . *invalid*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-09-03 11:41:23 UTC-4
Standard 1	1	0.100	20.0	1.0	1.0	n. d.	STDB	2022-09-03 12:27:52 UTC-4
Standard 2	1	0.200	20.0	1.0	1.0	n. d.	STDC	2022-09-03 12:48:54 UTC-4
Standard 3	1	0.250	20.0	1.0	1.0	n. d.	STDD	2022-09-03 13:09:55 UTC-4
Standard 4	1	0.500	20.0	1.0	1.0	n. d.	STDE	2022-09-03 13:33:31 UTC-4
Standard 5	1	1.000	20.0	1.0	1.0	n. d.	STDF	2022-09-03 13:54:43 UTC-4
Standard 6	1	2.000	20.0	1.0	1.0	n. d.	STDG	2022-09-03 14:15:43 UTC-4
Standard 7	1	4.000	20.0	1.0	1.0	n. d.	STDH	2022-09-03 14:36:44 UTC-4
Standard 8	1	5.000	20.0	1.0	1.0	n. d.	STDI	2022-09-03 14:57:46 UTC-4
Standard 9	1	8.000	20.0	1.0	1.0	n. d.	STDJ	2022-09-03 15:18:48 UTC-4
Standard 10	1	10.000	20.0	1.0	1.0	n. d.	STDK	2022-09-03 15:39:49 UTC-4

Sulfate (Anions)



Function: . . . . . *A = 8.40703E-5 + 0.0127271× Q*

Relative standard deviation . . . . . *2.098930 %*

Correlation coefficient *0.999874*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	0.0014	STDA	2022-09-03 11:41:23 UTC-4
Standard 1	1	1.000	20.0	1.0	1.0	0.2078	STDB	2022-09-03 12:27:52 UTC-4
Standard 2	1	2.000	20.0	1.0	1.0	0.3893	STDC	2022-09-03 12:48:54 UTC-4
Standard 3	1	2.500	20.0	1.0	1.0	0.4968	STDD	2022-09-03 13:09:55 UTC-4
Standard 4	1	5.000	20.0	1.0	1.0	1.1283	STDE	2022-09-03 13:33:31 UTC-4
Standard 5	1	10.000	20.0	1.0	1.0	2.4089	STDF	2022-09-03 13:54:43 UTC-4

MagIC Net

2022-09-07 9:40:01

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 6	1	20.000	20.0	1.0	1.0	5.2057	STDG	2022-09-03 14:15:43 UTC-4
Standard 7	1	40.000	20.0	1.0	1.0	10.3468	STDH	2022-09-03 14:36:44 UTC-4
Standard 8	1	50.000	20.0	1.0	1.0	12.7733	STDI	2022-09-03 14:57:46 UTC-4
Standard 9	1	80.000	20.0	1.0	1.0	20.6378	STDJ	2022-09-03 15:18:48 UTC-4
Standard 10	1	100.000	20.0	1.0	1.0	25.5635	STDK	2022-09-03 15:39:49 UTC-4

MagIC Net

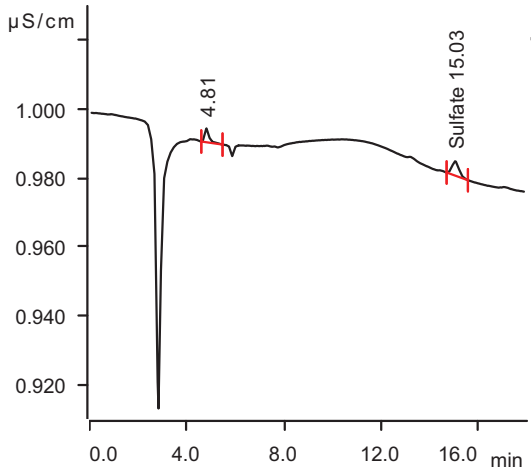
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDA
Sample type . . . . . Standard 100
Determination start 2022-09-03 11:41:23
Dilution factor 1.00

Anions

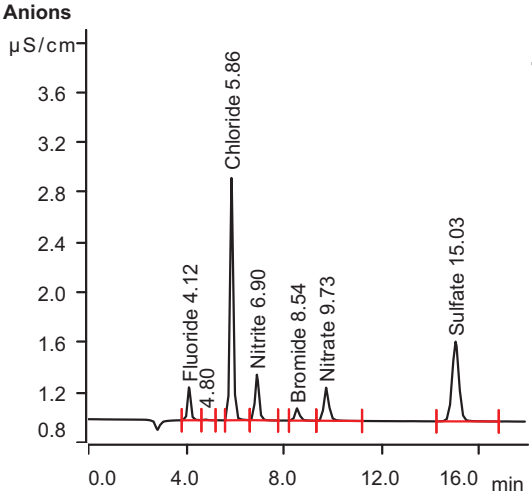


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
15.03	Sulfate	0.0014	0.005	0.005

Sample data

Ident . . . . . STDB
Sample type . . . . . Standard 1
Determination start 2022-09-03 12:27:52
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0416	0.121	0.121
5.86	Chloride	0.3016	1.130	1.130
6.90	Nitrite	0.0674	0.114	0.114
8.54	Bromide	0.0218	0.262	0.262
9.73	Nitrate	0.0650	0.126	0.126
15.03	Sulfate	0.2078	0.816	0.816

MagIC Net

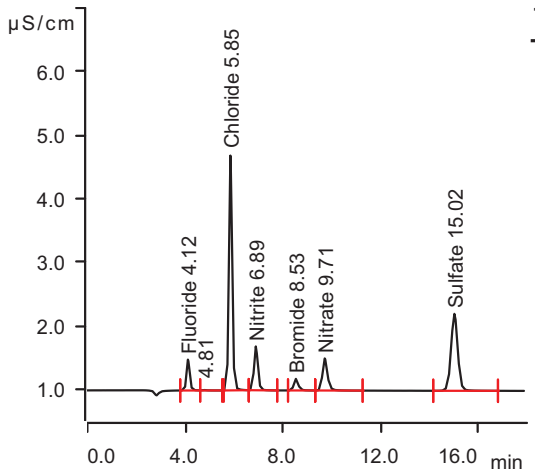
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDC
Sample type . . . . . Standard 2
Determination start 2022-09-03 12:48:54
Dilution factor 1.00

Anions

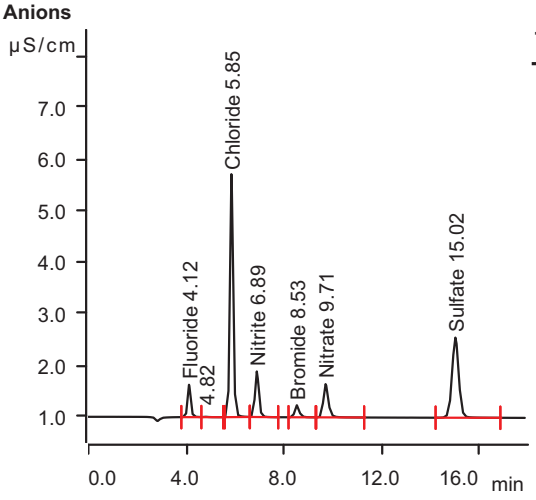


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0761	0.186	0.186
5.85	Chloride	0.5725	1.902	1.902
6.89	Nitrite	0.1266	0.187	0.187
8.53	Bromide	0.0402	0.392	0.392
9.71	Nitrate	0.1220	0.193	0.193
15.02	Sulfate	0.3893	1.529	1.529

Sample data

Ident . . . . . STDD
Sample type . . . . . Standard 3
Determination start 2022-09-03 13:09:55
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0976	0.226	0.226
5.85	Chloride	0.7273	2.344	2.344
6.89	Nitrite	0.1614	0.230	0.230
8.53	Bromide	0.0509	0.467	0.467
9.71	Nitrate	0.1542	0.231	0.231
15.02	Sulfate	0.4968	1.952	1.952

MagIC Net

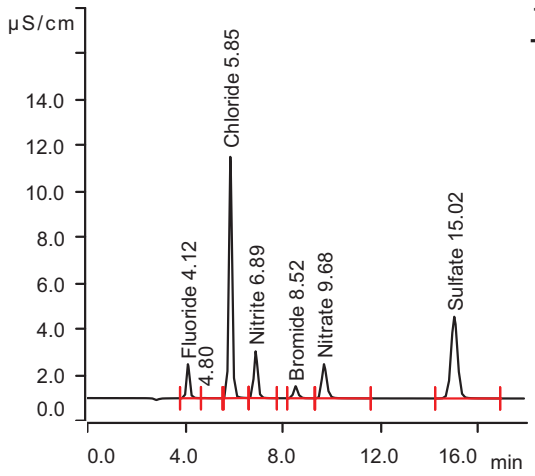
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDE
Sample type . . . . . Standard 4
Determination start 2022-09-03 13:33:31
Dilution factor 1.00

Anions

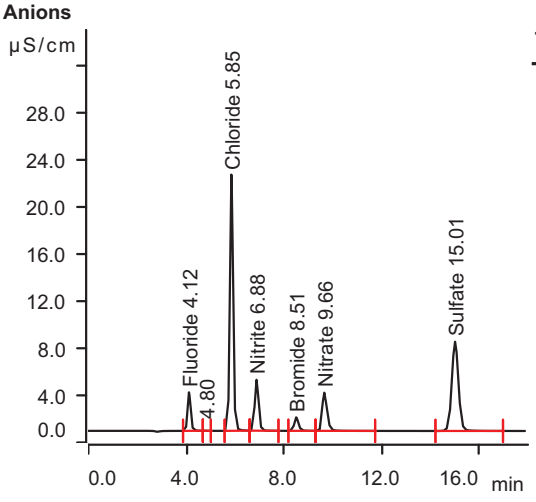


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.2250	0.465	0.465
5.85	Chloride	1.6105	4.862	4.862
6.89	Nitrite	0.3642	0.479	0.479
8.52	Bromide	0.1112	0.894	0.894
9.68	Nitrate	0.3458	0.456	0.456
15.02	Sulfate	1.1283	4.432	4.432

Sample data

Ident . . . . . STDF
Sample type . . . . . Standard 5
Determination start 2022-09-03 13:54:43
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.4908	0.964	0.964
5.85	Chloride	3.3471	9.813	9.813
6.88	Nitrite	0.7774	0.987	0.987
8.51	Bromide	0.2370	1.786	1.786
9.66	Nitrate	0.7451	0.925	0.925
15.01	Sulfate	2.4089	9.463	9.463

MagIC Net

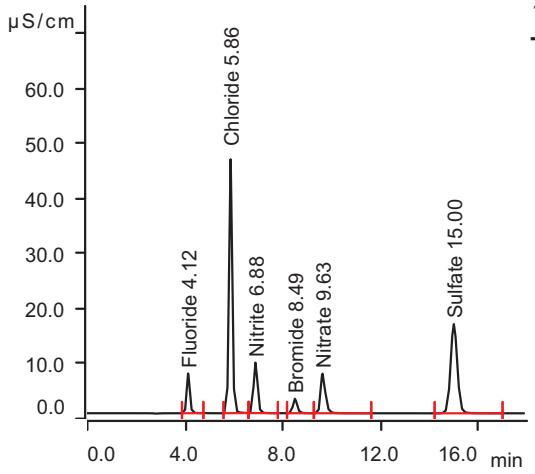
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDG
Sample type . . . . . Standard 6
Determination start 2022-09-03 14:15:43
Dilution factor 1.00

Anions

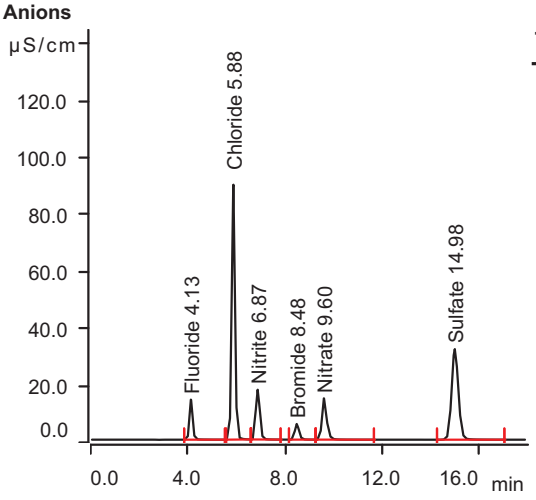


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	1.0967	2.100	2.100
5.86	Chloride	7.1311	20.600	20.600
6.88	Nitrite	1.6890	2.106	2.106
8.49	Bromide	0.5317	3.873	3.873
9.63	Nitrate	1.6542	1.993	1.993
15.00	Sulfate	5.2057	20.451	20.451

Sample data

Ident . . . . . STDH
Sample type . . . . . Standard 7
Determination start 2022-09-03 14:36:44
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	2.2013	4.171	4.171
5.88	Chloride	14.0835	40.421	40.421
6.87	Nitrite	3.3357	4.129	4.129
8.48	Bromide	1.1022	7.915	7.915
9.60	Nitrate	3.3644	4.002	4.002
14.98	Sulfate	10.3468	40.648	40.648

MagIC Net

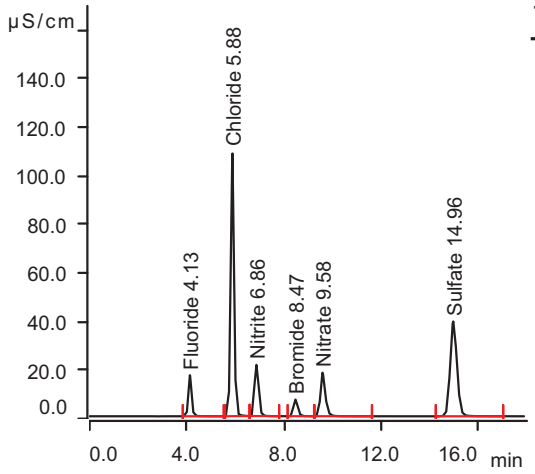
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDI
Sample type . . . . . Standard 8
Determination start 2022-09-03 14:57:46
Dilution factor 1.00

Anions

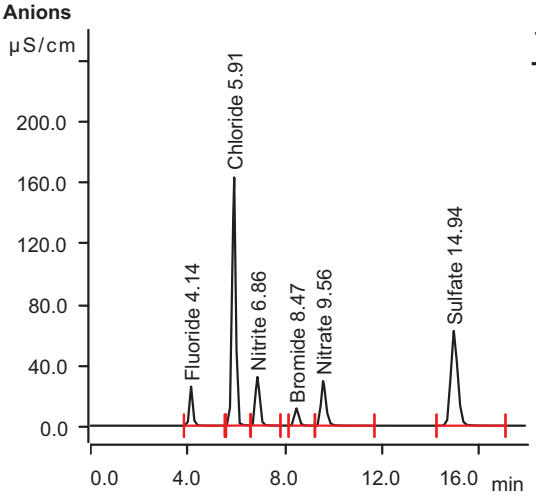


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	2.6846	5.077	5.077
5.88	Chloride	17.3925	49.855	49.855
6.86	Nitrite	4.1051	5.074	5.074
8.47	Bromide	1.3805	9.887	9.887
9.58	Nitrate	4.1878	4.969	4.969
14.96	Sulfate	12.7733	50.181	50.181

Sample data

Ident . . . . . STDJ
Sample type . . . . . Standard 9
Determination start 2022-09-03 15:18:48
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.14	Fluoride	4.2507	8.014	8.014
5.91	Chloride	28.0475	80.232	80.232
6.86	Nitrite	6.4781	7.990	7.990
8.47	Bromide	2.2863	16.304	16.304
9.56	Nitrate	6.8502	8.097	8.097
14.94	Sulfate	20.6378	81.078	81.078

MagIC Net

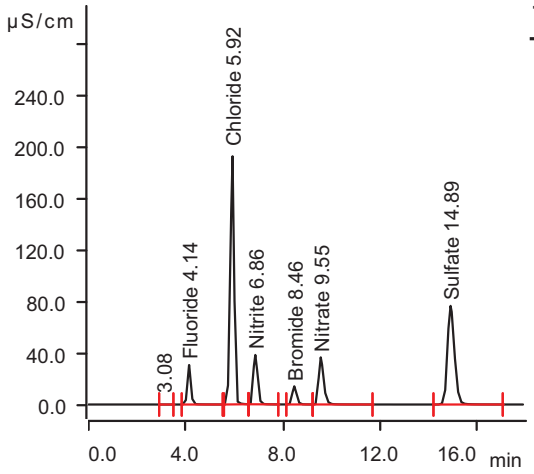
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDK
Sample type . . . . . Standard 10
Determination start 2022-09-03 15:39:49
Dilution factor 1.00

Anions

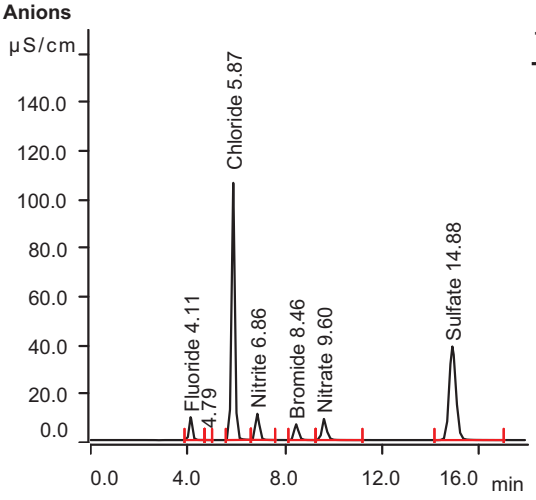


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.14	Fluoride	5.1813	9.759	9.759
5.92	Chloride	34.7756	99.413	99.413
6.86	Nitrite	7.9326	9.776	9.776
8.46	Bromide	2.8658	20.409	20.409
9.55	Nitrate	8.5415	10.084	10.084
14.89	Sulfate	25.5635	100.429	100.429

Sample data

Ident ICV
Sample type . . . . . Sample
Determination start 2022-09-03 16:08:33
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.4334	2.731	2.731
5.87	Chloride	16.9025	48.458	48.458
6.86	Nitrite	1.9731	2.455	2.455
8.46	Bromide	1.3044	9.348	9.348
9.60	Nitrate	2.0028	2.402	2.402
14.88	Sulfate	12.5268	49.213	49.213

MagIC Net

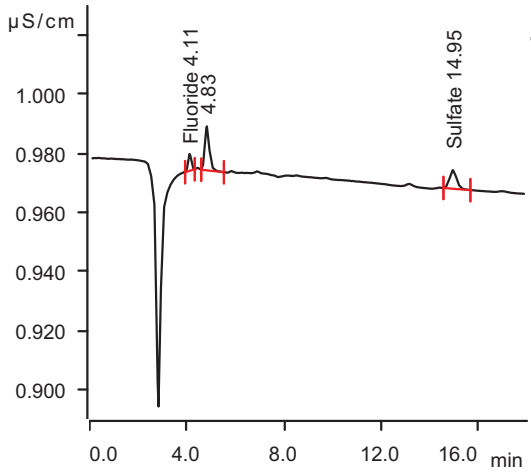
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident . . . . . ICB
Sample type . . . . . Sample
Determination start 2022-09-03 16:29:36
Dilution factor 1.00

Anions

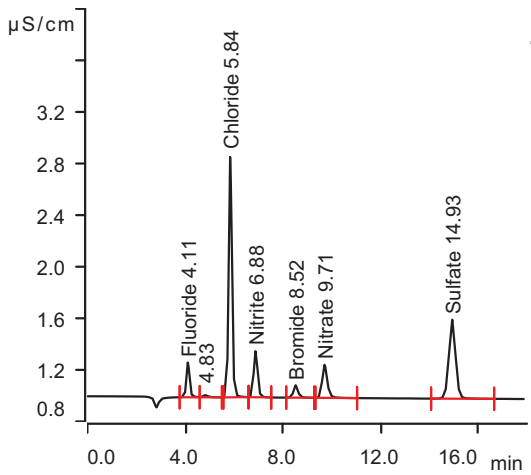


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0009	0.045	0.045
14.95	Sulfate	0.0021	0.008	0.008

Sample data

Ident . . . . . CRI
Sample type . . . . . Sample
Determination start 2022-09-03 16:50:36
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0423	0.122	0.122
5.84	Chloride	0.2890	1.094	1.094
6.88	Nitrite	0.0657	0.112	0.112
8.52	Bromide	0.0213	0.258	0.258
9.71	Nitrate	0.0628	0.123	0.123
14.93	Sulfate	0.1982	0.778	0.778

MagIC Net

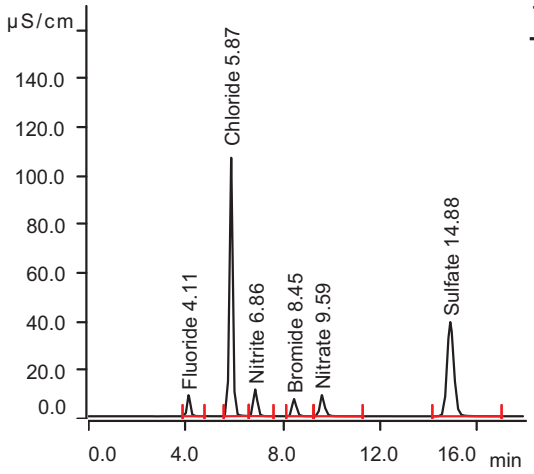
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-03 17:11:37
Dilution factor 1.00

Anions

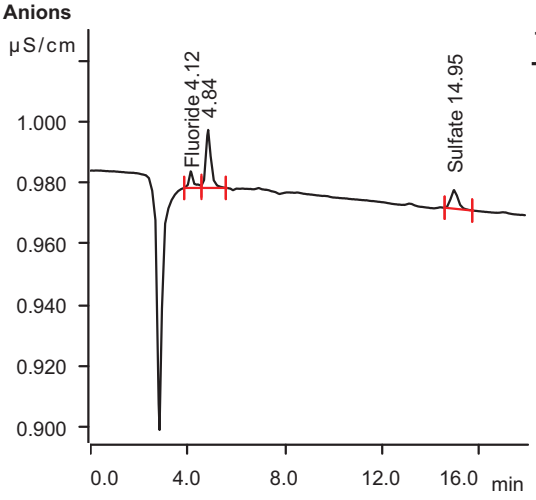


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.3498	2.574	2.574
5.87	Chloride	17.0129	48.773	48.773
6.86	Nitrite	2.0261	2.520	2.520
8.45	Bromide	1.4274	10.219	10.219
9.59	Nitrate	2.0001	2.399	2.399
14.88	Sulfate	12.6585	49.730	49.730

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-03 17:32:45
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0012	0.045	0.045
14.95	Sulfate	0.0021	0.008	0.008

MagIC Net

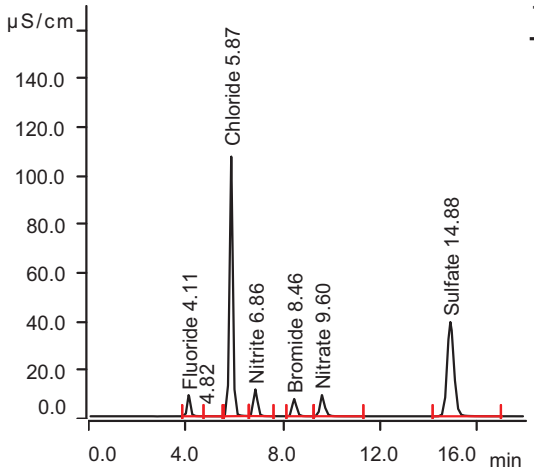
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-03 17:53:46
Dilution factor 1.00

Anions

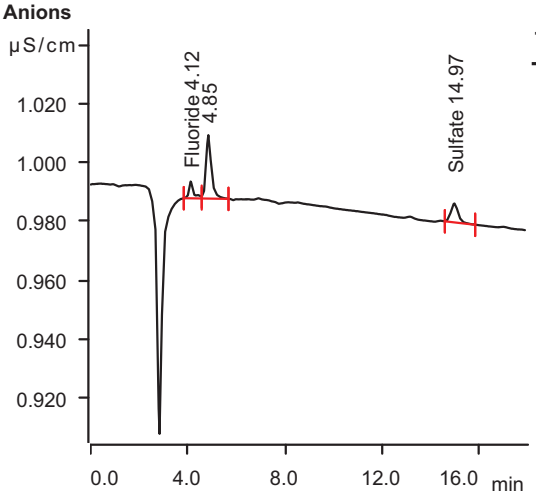


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.3637	2.600	2.600
5.87	Chloride	17.0116	48.769	48.769
6.86	Nitrite	2.0254	2.520	2.520
8.46	Bromide	1.4273	10.218	10.218
9.60	Nitrate	1.9995	2.398	2.398
14.88	Sulfate	12.6488	49.692	49.692

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-03 18:14:51
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0013	0.045	0.045
14.97	Sulfate	0.0022	0.008	0.008

MagIC Net

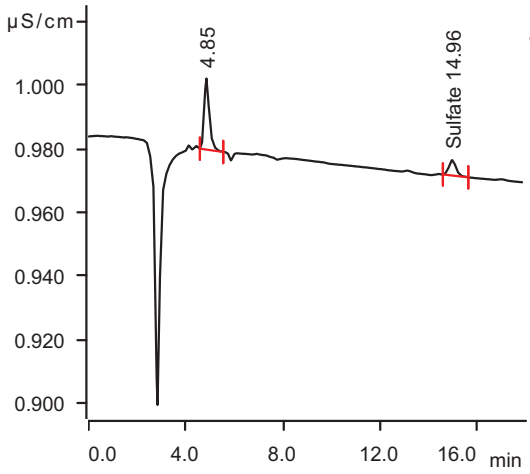
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident MB1
Sample type . . . . . Sample
Determination start 2022-09-03 18:35:55
Dilution factor 1.00

Anions

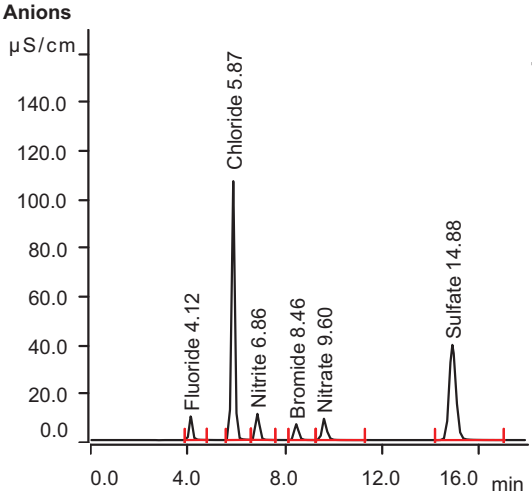


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
14.96	Sulfate	0.0017	0.006	0.006

Sample data

Ident B1
Sample type . . . . . Sample
Determination start 2022-09-03 18:57:04
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	1.5255	2.904	2.904
5.87	Chloride	16.9580	48.616	48.616
6.86	Nitrite	1.9726	2.455	2.455
8.46	Bromide	1.3081	9.374	9.374
9.60	Nitrate	2.0095	2.410	2.410
14.88	Sulfate	12.8045	50.304	50.304

MagIC Net

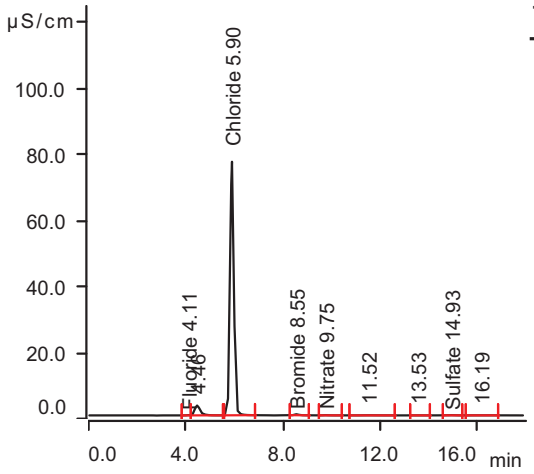
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98362-10
Sample type . . . . . Sample
Determination start 2022-09-03 19:18:09
Dilution factor 1.00

Anions

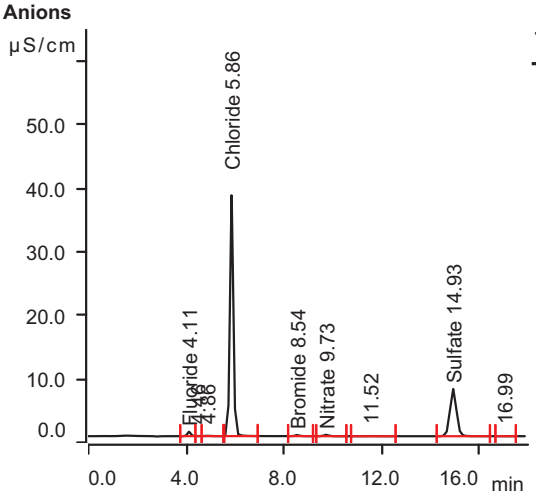


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0116	0.065	0.065
5.90	Chloride	14.0383	40.293	40.293
8.55	Bromide	0.0580	0.518	0.518
9.75	Nitrate	0.0126	0.064	0.064
14.93	Sulfate	0.0159	0.062	0.062

Sample data

Ident FA98362-16
Sample type . . . . . Sample
Determination start 2022-09-03 19:39:15
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.1103	0.250	0.250
5.86	Chloride	6.1794	17.887	17.887
8.54	Bromide	0.0358	0.360	0.360
9.73	Nitrate	0.0524	0.111	0.111
14.93	Sulfate	2.3376	9.183	9.183

MagIC Net

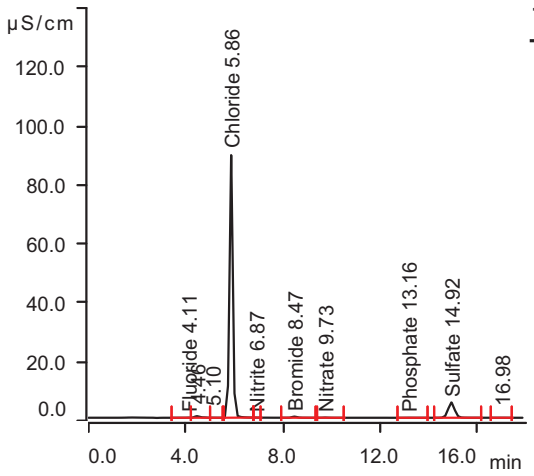
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98438-1
Sample type . . . . . Sample
Determination start 2022-09-03 20:00:22
Dilution factor 100.00

Anions

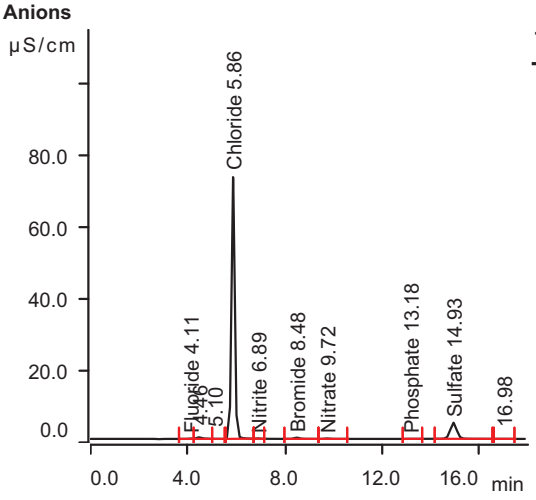


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0075	0.057	5.708
5.86	Chloride	14.0202	40.241	4024.079
6.87	Nitrite	0.0016	0.034	3.353
8.47	Bromide	0.0919	0.758	75.796
9.73	Nitrate	0.0187	0.072	7.158
13.16	Phosphate	0.0067	invalid	invalid
14.92	Sulfate	1.6295	6.401	640.136

Sample data

Ident FA98438-1S1
Sample type . . . . . Sample
Determination start 2022-09-03 20:21:14
Dilution factor 100.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0164	0.074	7.387
5.86	Chloride	11.4306	32.858	3285.815
6.89	Nitrite	0.0142	0.049	4.899
8.48	Bromide	0.0833	0.697	69.694
9.72	Nitrate	0.0291	0.084	8.375
13.18	Phosphate	0.0044	invalid	invalid
14.93	Sulfate	1.4151	5.559	555.899

MagIC Net

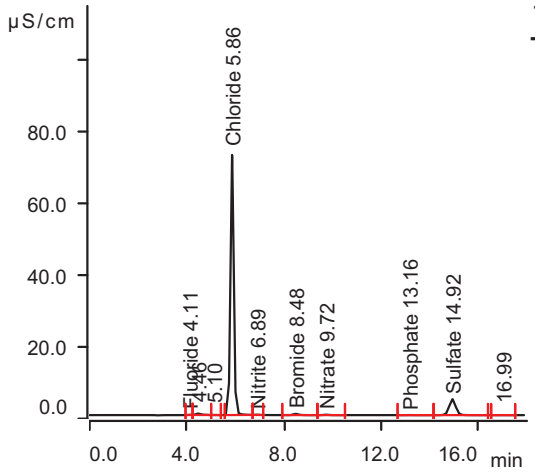
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98438-1S2
Sample type . . . . . Sample
Determination start 2022-09-03 20:42:05
Dilution factor 100.00

Anions

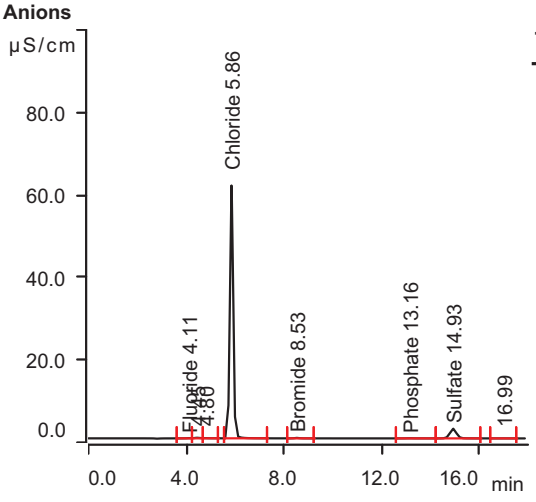


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0098	0.061	6.148
5.86	Chloride	11.3517	32.633	3263.303
6.89	Nitrite	0.0140	0.049	4.875
8.48	Bromide	0.0827	0.693	69.260
9.72	Nitrate	0.0287	0.083	8.327
13.16	Phosphate	0.0071	invalid	invalid
14.92	Sulfate	1.3956	5.482	548.233

Sample data

Ident FA98438-2
Sample type . . . . . Sample
Determination start 2022-09-03 21:02:55
Dilution factor 100.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0089	0.060	5.973
5.86	Chloride	9.6277	27.718	2771.806
8.53	Bromide	0.0235	0.274	27.376
13.16	Phosphate	0.0104	invalid	invalid
14.93	Sulfate	0.7372	2.896	289.598

MagIC Net

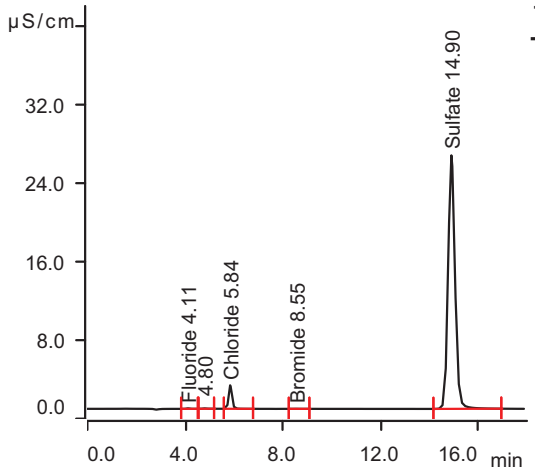
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98609-1
Sample type . . . . . Sample
Determination start 2022-09-03 21:23:45
Dilution factor 10.00

Anions

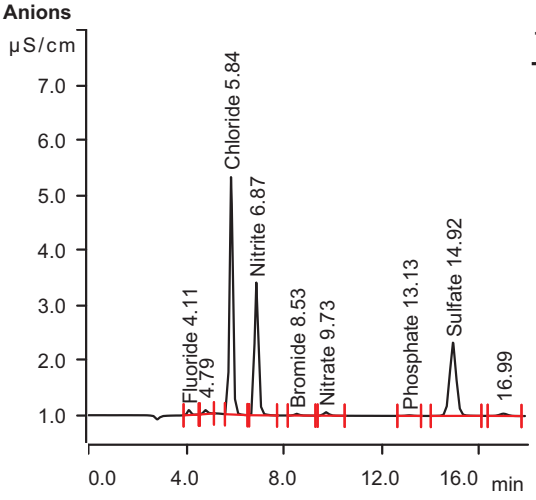


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0083	0.059	0.587
5.84	Chloride	0.3788	1.350	13.500
8.55	Bromide	0.0017	0.119	1.193
14.90	Sulfate	8.4596	33.234	332.342

Sample data

Ident FA98609-2
Sample type . . . . . Sample
Determination start 2022-09-03 21:44:34
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0146	0.070	0.704
5.84	Chloride	0.6647	2.165	21.652
6.87	Nitrite	0.4375	0.569	5.690
8.53	Bromide	0.0074	0.159	1.593
9.73	Nitrate	0.0155	0.068	0.678
13.13	Phosphate	0.0034	invalid	invalid
14.92	Sulfate	0.4226	1.660	16.599

MagIC Net

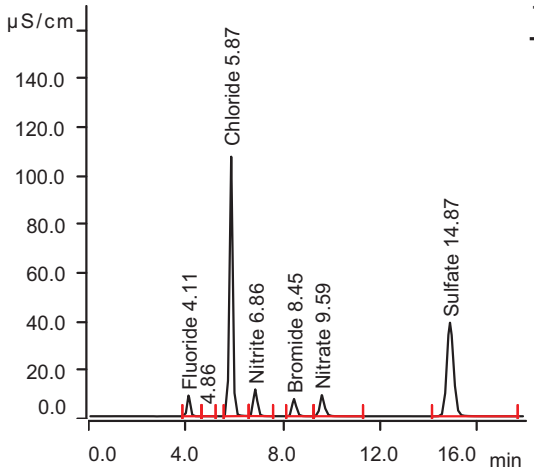
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-03 22:05:24
Dilution factor 1.00

Anions

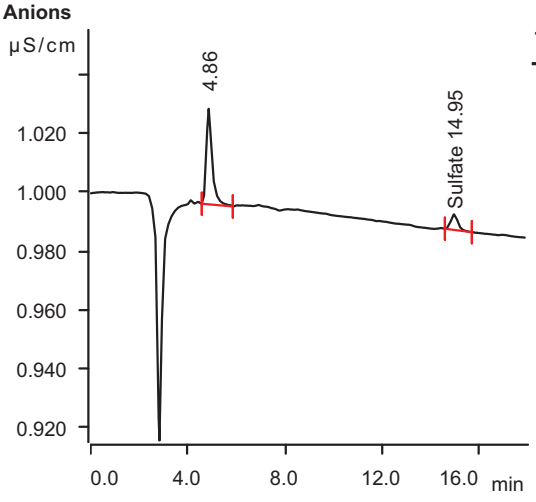


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.2887	2.460	2.460
5.87	Chloride	17.0030	48.745	48.745
6.86	Nitrite	2.0239	2.518	2.518
8.45	Bromide	1.4258	10.208	10.208
9.59	Nitrate	1.9951	2.393	2.393
14.87	Sulfate	12.4942	49.085	49.085

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-03 22:26:33
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
14.95	Sulfate	0.0018	0.007	0.007

MagIC Net

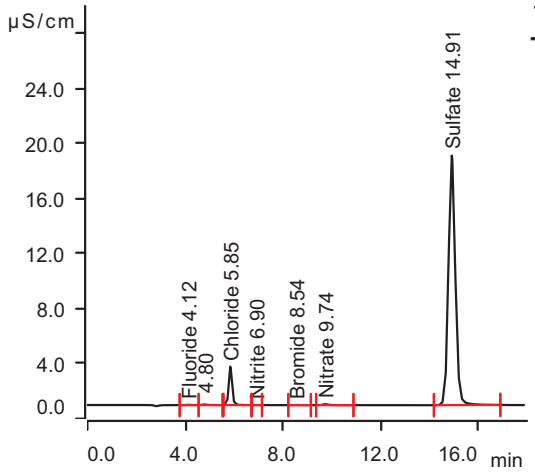
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98609-3
Sample type . . . . . Sample
Determination start 2022-09-03 22:47:37
Dilution factor 10.00

Anions

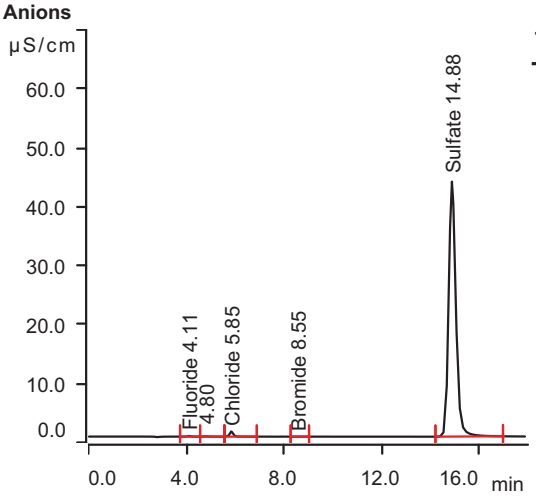


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0046	0.052	0.517
5.85	Chloride	0.4416	1.529	15.289
6.90	Nitrite	0.0006	0.032	0.323
8.54	Bromide	0.0020	0.121	1.212
9.74	Nitrate	0.0191	0.072	0.721
14.91	Sulfate	5.9037	23.193	231.933

Sample data

Ident FA98609-4
Sample type . . . . . Sample
Determination start 2022-09-03 23:08:26
Dilution factor 25.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0172	0.075	1.882
5.85	Chloride	0.1445	0.682	17.049
8.55	Bromide	0.0007	0.112	2.804
14.88	Sulfate	14.7663	58.011	1450.275

MagIC Net

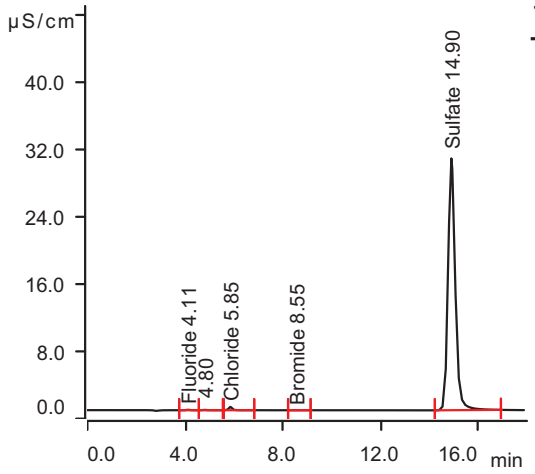
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98609-5
Sample type . . . . . Sample
Determination start 2022-09-03 23:29:16
Dilution factor 50.00

Anions

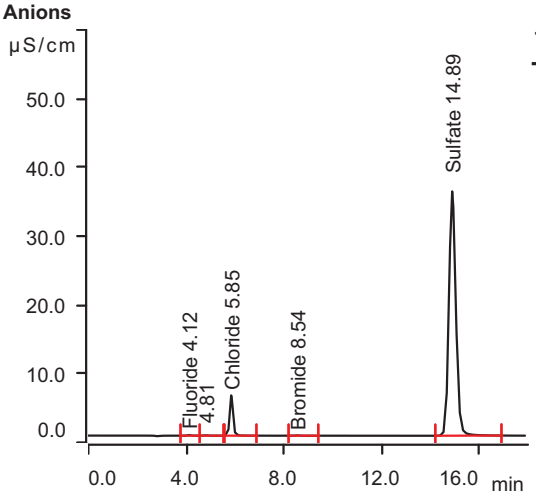


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0098	0.062	3.076
5.85	Chloride	0.0669	0.461	23.047
8.55	Bromide	0.0007	0.112	5.584
14.90	Sulfate	10.2419	40.236	2011.815

Sample data

Ident FA98609-6
Sample type . . . . . Sample
Determination start 2022-09-03 23:50:06
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0151	0.071	0.357
5.85	Chloride	0.9233	2.902	14.512
8.54	Bromide	0.0086	0.168	0.838
14.89	Sulfate	11.6779	45.878	229.389

MagIC Net

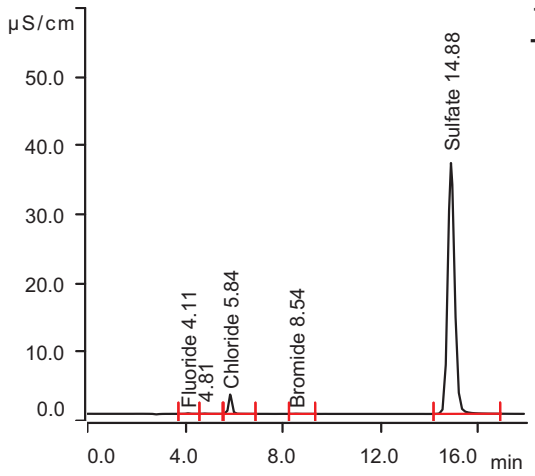
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98609-7
Sample type . . . . . Sample
Determination start 2022-09-04 00:10:55
Dilution factor 5.00

Anions

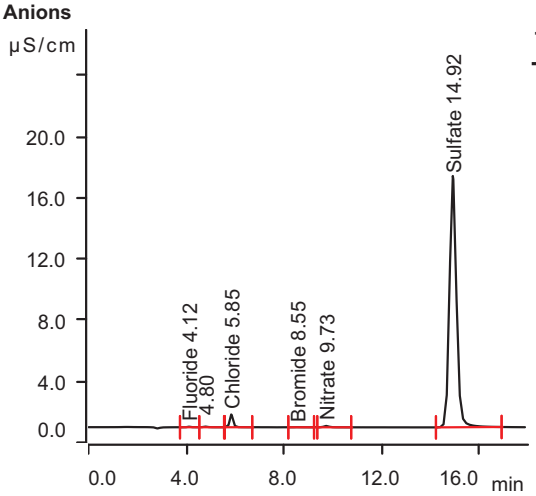


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0141	0.069	0.347
5.84	Chloride	0.4459	1.541	7.706
8.54	Bromide	0.0053	0.145	0.724
14.88	Sulfate	11.9460	46.931	234.656

Sample data

Ident FA98609-8
Sample type . . . . . Sample
Determination start 2022-09-04 00:31:45
Dilution factor 25.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0067	0.056	1.390
5.85	Chloride	0.1368	0.660	16.503
8.55	Bromide	0.0020	0.121	3.027
9.73	Nitrate	0.0224	0.076	1.897
14.92	Sulfate	5.4740	21.505	537.621

MagIC Net

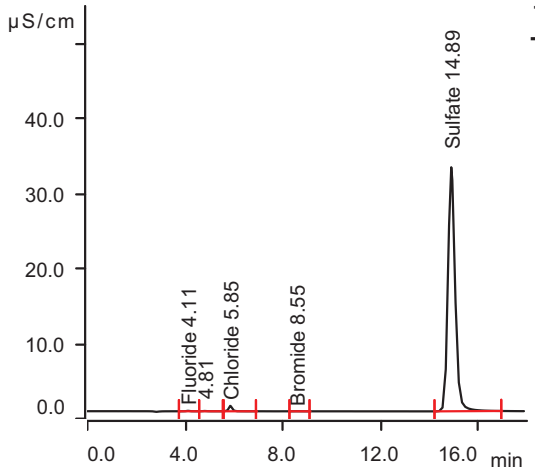
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98609-9
Sample type . . . . . Sample
Determination start 2022-09-04 00:52:33
Dilution factor 25.00

Anions

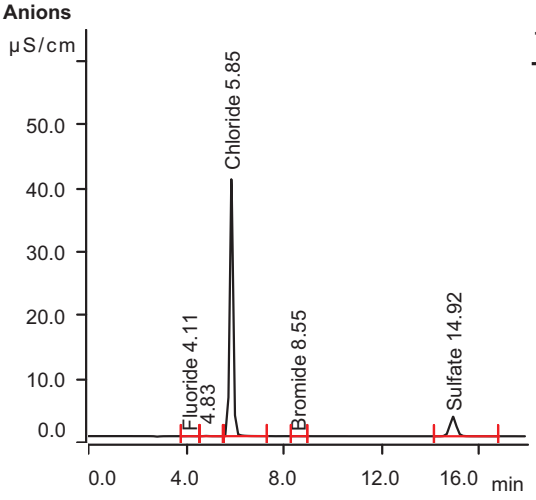


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0114	0.065	1.613
5.85	Chloride	0.1205	0.614	15.343
8.55	Bromide	0.0016	0.118	2.951
14.89	Sulfate	11.0550	43.431	1085.768

Sample data

Ident FA98468-1
Sample type . . . . . Sample
Determination start 2022-09-04 01:13:23
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0019	0.047	0.233
5.85	Chloride	6.4116	18.549	92.746
8.55	Bromide	0.0013	0.116	0.579
14.92	Sulfate	0.9694	3.808	19.040

MagIC Net

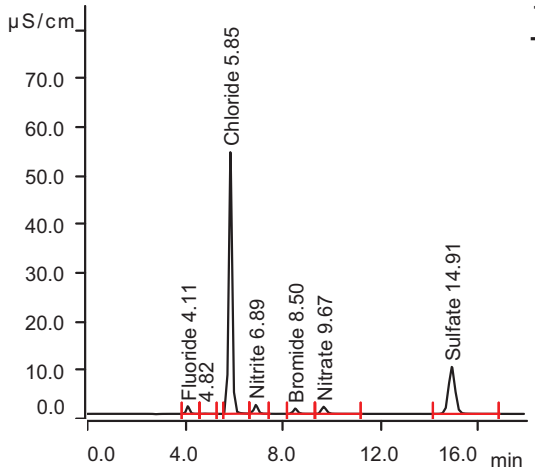
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98468-1S3
Sample type . . . . . Sample
Determination start 2022-09-04 01:34:11
Dilution factor 5.00

Anions

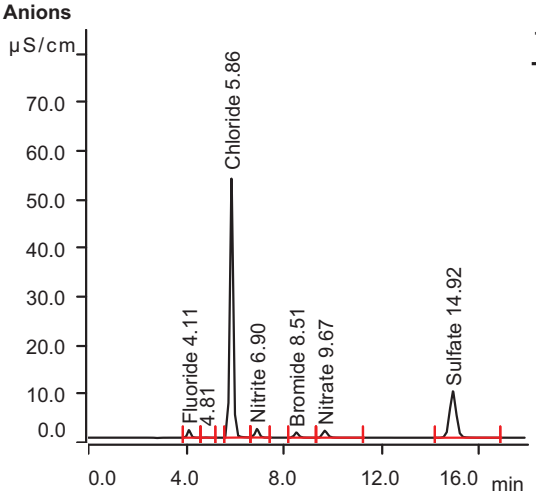


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.2367	0.487	2.435
5.85	Chloride	8.5296	24.587	122.937
6.89	Nitrite	0.3376	0.446	2.231
8.50	Bromide	0.2205	1.669	8.346
9.67	Nitrate	0.3366	0.445	2.225
14.91	Sulfate	3.0612	12.026	60.131

Sample data

Ident FA98468-1S4
Sample type . . . . . Sample
Determination start 2022-09-04 01:55:00
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.2375	0.489	2.443
5.86	Chloride	8.4404	24.333	121.665
6.90	Nitrite	0.3326	0.440	2.200
8.51	Bromide	0.2173	1.647	8.233
9.67	Nitrate	0.3319	0.440	2.198
14.92	Sulfate	3.0232	11.877	59.384

MagIC Net

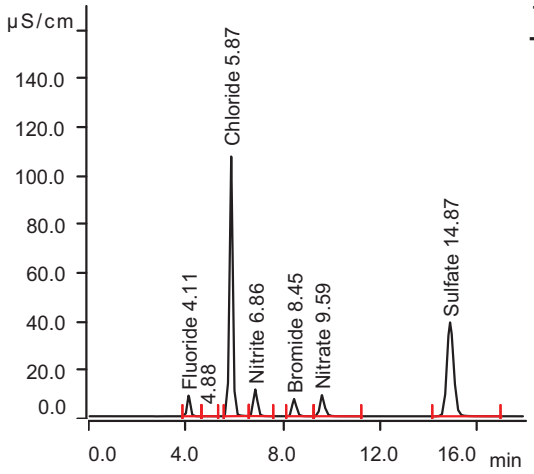
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-04 02:15:49
Dilution factor 1.00

Anions

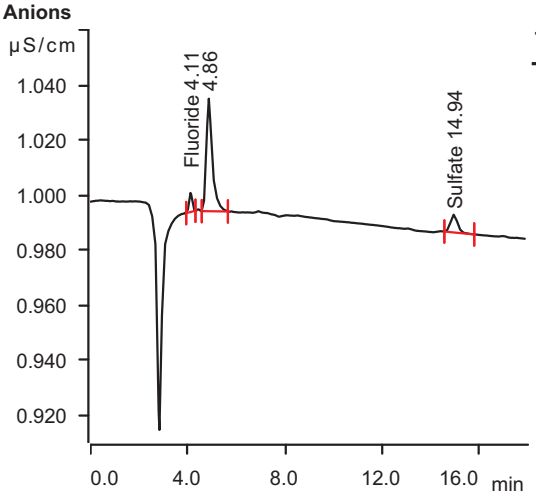


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.2883	2.459	2.459
5.87	Chloride	17.0568	48.898	48.898
6.86	Nitrite	2.0282	2.523	2.523
8.45	Bromide	1.4300	10.238	10.238
9.59	Nitrate	2.0001	2.399	2.399
14.87	Sulfate	12.5556	49.326	49.326

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-04 02:37:02
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0011	0.045	0.045
14.94	Sulfate	0.0022	0.008	0.008

MagIC Net

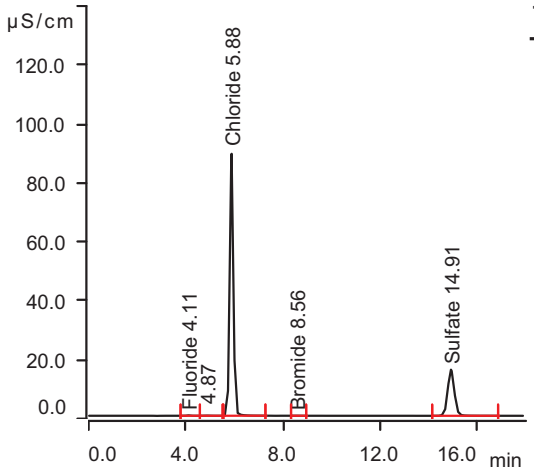
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98468-2
Sample type . . . . . Sample
Determination start 2022-09-04 02:58:07
Dilution factor 1.00

Anions

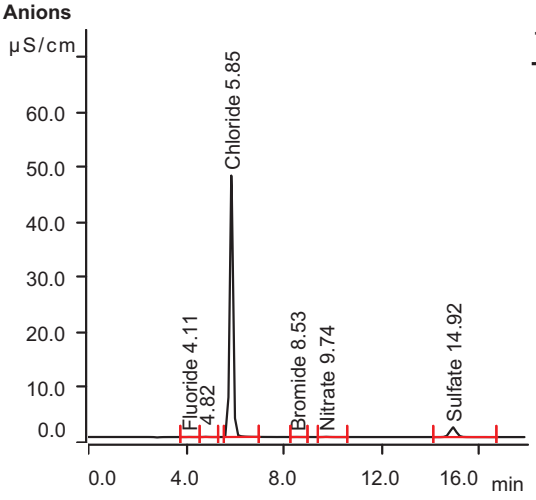


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0227	0.086	0.086
5.88	Chloride	15.3635	44.071	44.071
8.56	Bromide	0.0027	0.126	0.126
14.91	Sulfate	4.9724	19.535	19.535

Sample data

Ident FA98468-3
Sample type . . . . . Sample
Determination start 2022-09-04 03:19:17
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0024	0.048	0.476
5.85	Chloride	7.4013	21.371	213.707
8.53	Bromide	0.0025	0.124	1.245
9.74	Nitrate	0.0098	0.061	0.611
14.92	Sulfate	0.5604	2.201	22.013

MagIC Net

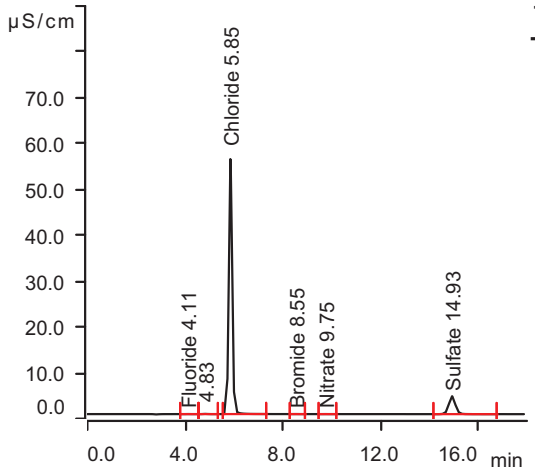
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98468-4
Sample type . . . . . Sample
Determination start 2022-09-04 03:40:07
Dilution factor 5.00

Anions

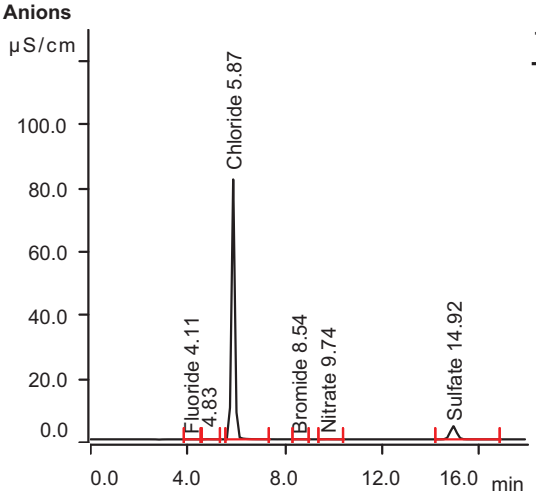


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0022	0.047	0.237
5.85	Chloride	8.8221	25.421	127.107
8.55	Bromide	0.0011	0.115	0.574
9.75	Nitrate	0.0010	0.051	0.254
14.93	Sulfate	1.2270	4.820	24.101

Sample data

Ident FA98468-5
Sample type . . . . . Sample
Determination start 2022-09-04 04:00:57
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0018	0.046	0.232
5.87	Chloride	13.1350	37.717	188.587
8.54	Bromide	0.0020	0.121	0.604
9.74	Nitrate	0.0071	0.058	0.290
14.92	Sulfate	1.2987	5.102	25.508

MagIC Net

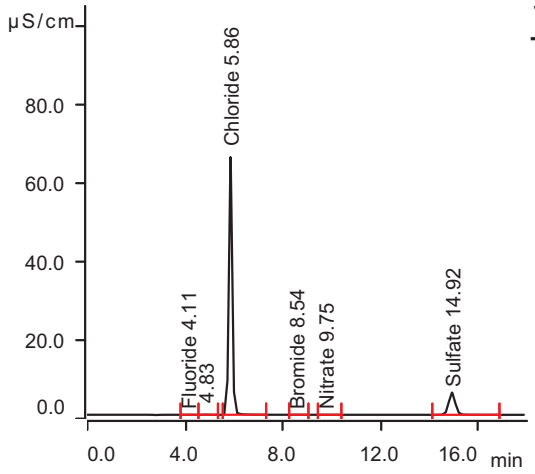
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98468-6
Sample type . . . . . Sample
Determination start 2022-09-04 04:21:48
Dilution factor 5.00

Anions

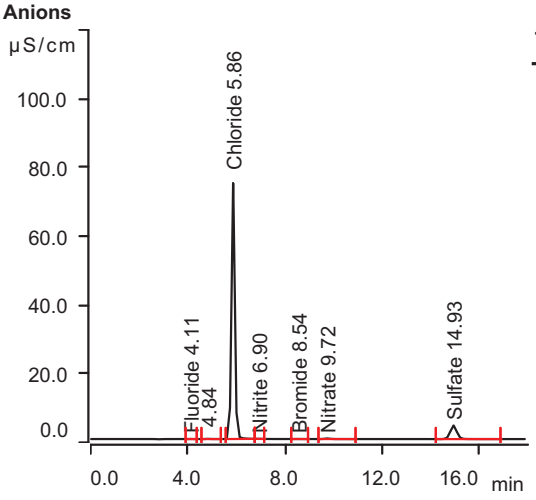


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0033	0.049	0.246
5.86	Chloride	10.3723	29.841	149.204
8.54	Bromide	0.0038	0.134	0.671
9.75	Nitrate	0.0038	0.054	0.270
14.92	Sulfate	1.7800	6.993	34.964

Sample data

Ident FA98468-7
Sample type . . . . . Sample
Determination start 2022-09-04 04:42:36
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0029	0.049	0.243
5.86	Chloride	11.8809	34.142	170.710
6.90	Nitrite	0.0040	0.036	0.182
8.54	Bromide	0.0018	0.120	0.600
9.72	Nitrate	0.0424	0.099	0.497
14.93	Sulfate	1.2436	4.886	24.428

MagIC Net

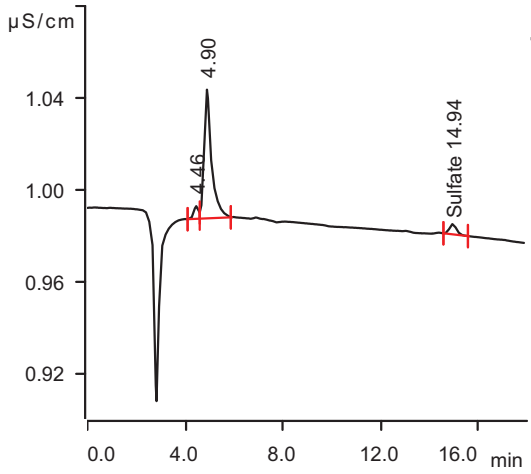
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident MB1
Sample type . . . . . Sample
Determination start 2022-09-04 05:03:25
Dilution factor 1.00

Anions

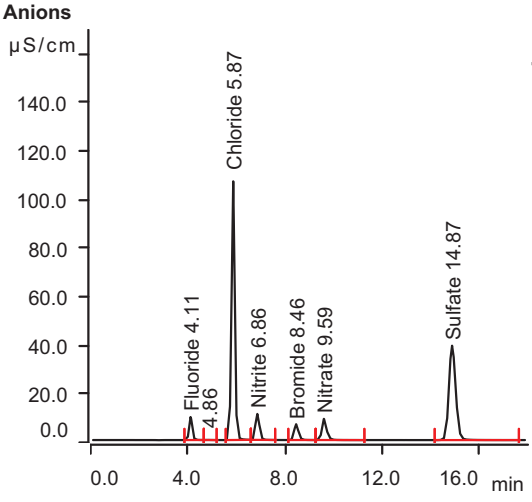


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
14.94	Sulfate	0.0015	0.005	0.005

Sample data

Ident B1
Sample type . . . . . Sample
Determination start 2022-09-04 05:24:32
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.4431	2.749	2.749
5.87	Chloride	16.9832	48.688	48.688
6.86	Nitrite	1.9746	2.457	2.457
8.46	Bromide	1.3100	9.388	9.388
9.59	Nitrate	2.0082	2.409	2.409
14.87	Sulfate	12.6370	49.646	49.646

MagIC Net

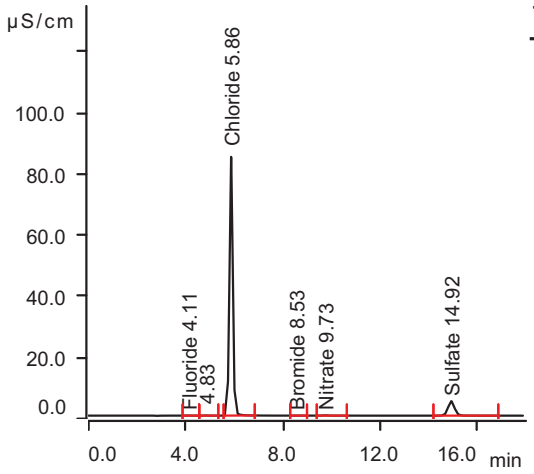
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98468-8
Sample type . . . . . Sample
Determination start 2022-09-04 05:45:36
Dilution factor 5.00

Anions

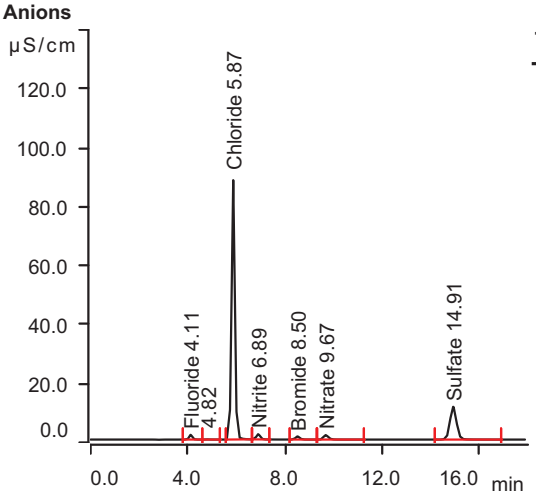


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0057	0.054	0.269
5.86	Chloride	13.5497	38.899	194.497
8.53	Bromide	0.0026	0.125	0.626
9.73	Nitrate	0.0228	0.076	0.382
14.92	Sulfate	1.4896	5.852	29.258

Sample data

Ident FA98468-8S1
Sample type . . . . . Sample
Determination start 2022-09-04 06:06:26
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.2456	0.504	2.518
5.87	Chloride	14.0252	40.255	201.276
6.89	Nitrite	0.3277	0.434	2.171
8.50	Bromide	0.2164	1.640	8.202
9.67	Nitrate	0.3499	0.461	2.303
14.91	Sulfate	3.5281	13.860	69.302

MagIC Net

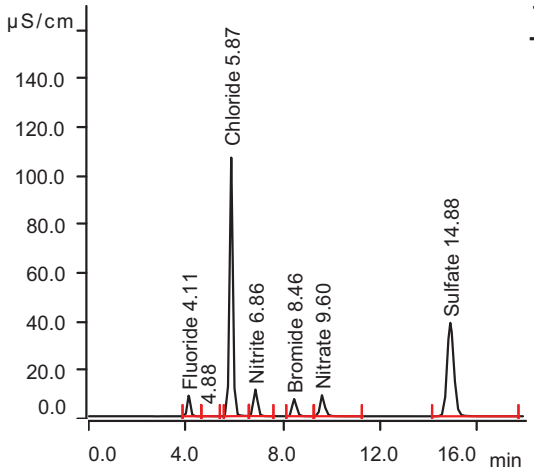
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-04 06:27:14
Dilution factor 1.00

Anions

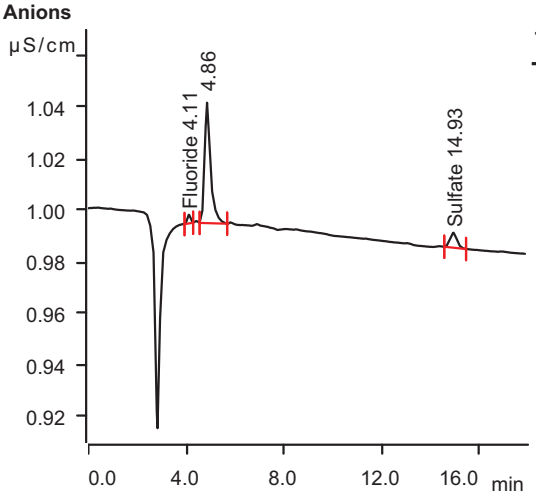


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.2871	2.457	2.457
5.87	Chloride	16.9985	48.732	48.732
6.86	Nitrite	2.0223	2.516	2.516
8.46	Bromide	1.4244	10.198	10.198
9.60	Nitrate	1.9912	2.389	2.389
14.88	Sulfate	12.5102	49.148	49.148

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-04 06:48:23
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0005	0.044	0.044
14.93	Sulfate	0.0019	0.007	0.007

MagIC Net

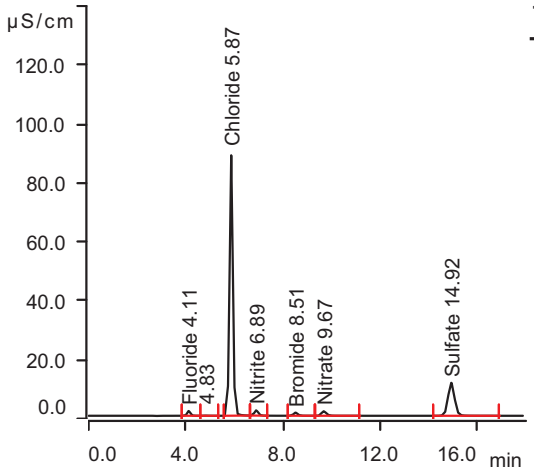
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98468-8S2
Sample type . . . . . Sample
Determination start 2022-09-04 07:09:28
Dilution factor 5.00

Anions

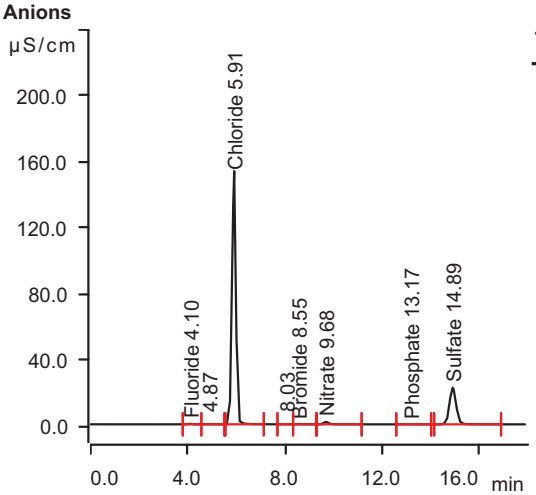


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.2483	0.509	2.544
5.87	Chloride	14.1072	40.489	202.444
6.89	Nitrite	0.3297	0.437	2.183
8.51	Bromide	0.2176	1.648	8.242
9.67	Nitrate	0.3514	0.462	2.312
14.92	Sulfate	3.5476	13.937	69.684

Sample data

Ident FA98468-9
Sample type . . . . . Sample
Determination start 2022-09-04 07:30:17
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0554	0.147	0.147
5.91	Chloride	27.9245	79.881	79.881
8.55	Bromide	0.0114	0.188	0.188
9.68	Nitrate	0.3364	0.445	0.445
13.17	Phosphate	0.0045	invalid	invalid
14.89	Sulfate	7.1024	27.903	27.903

MagIC Net

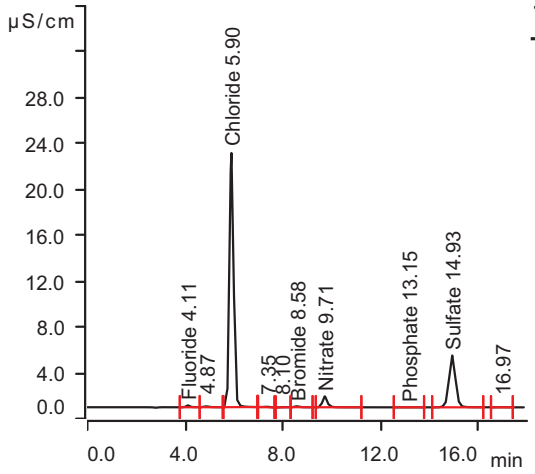
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98485-1
Sample type . . . . . Sample
Determination start 2022-09-04 07:51:32
Dilution factor 1.00

Anions

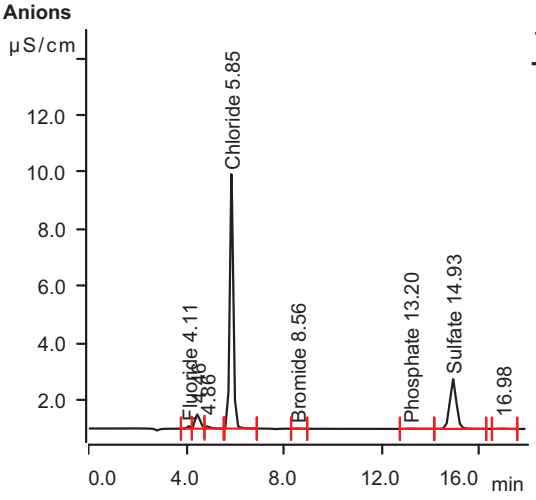


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0324	0.104	0.104
5.90	Chloride	4.4010	12.817	12.817
8.58	Bromide	0.0169	0.227	0.227
9.71	Nitrate	0.2179	0.306	0.306
13.15	Phosphate	0.0013	invalid	invalid
14.93	Sulfate	1.4217	5.585	5.585

Sample data

Ident FA98485-2
Sample type . . . . . Sample
Determination start 2022-09-04 08:12:38
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0136	0.069	0.069
5.85	Chloride	1.4677	4.454	4.454
8.56	Bromide	0.0021	0.122	0.122
13.20	Phosphate	0.0048	invalid	invalid
14.93	Sulfate	0.5523	2.170	2.170

MagIC Net

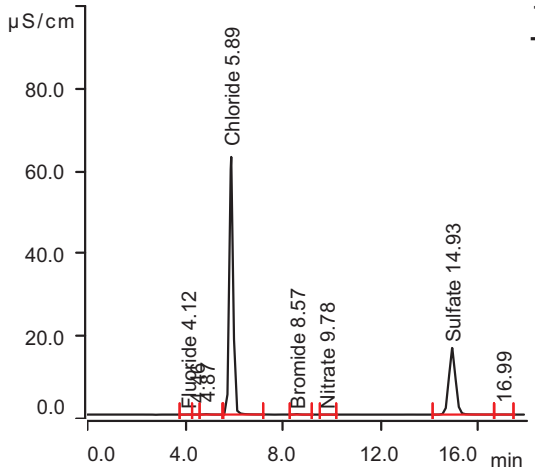
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98485-3
Sample type . . . . . Sample
Determination start 2022-09-04 08:33:43
Dilution factor 1.00

Anions

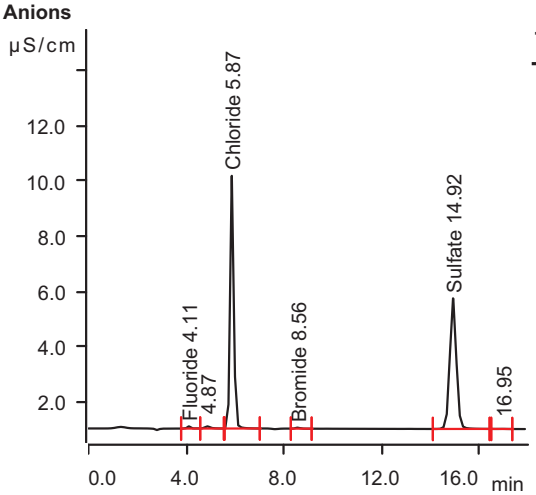


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0046	0.052	0.052
5.89	Chloride	11.2734	32.410	32.410
8.57	Bromide	0.0198	0.247	0.247
9.78	Nitrate	0.0013	0.051	0.051
14.93	Sulfate	5.1173	20.104	20.104

Sample data

Ident FA98485-4
Sample type . . . . . Sample
Determination start 2022-09-04 08:54:47
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0146	0.071	0.071
5.87	Chloride	1.5999	4.831	4.831
8.56	Bromide	0.0075	0.160	0.160
14.92	Sulfate	1.4938	5.868	5.868

MagIC Net

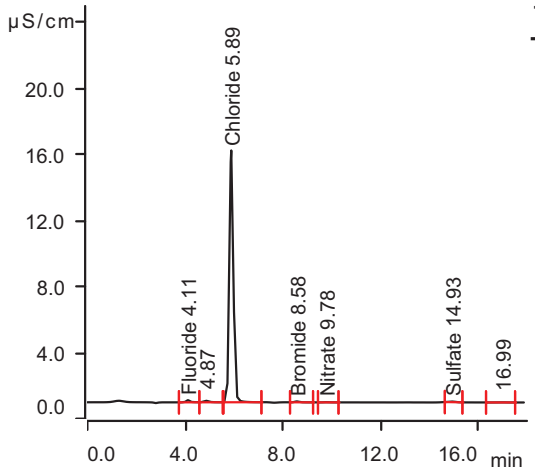
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98485-5
Sample type . . . . . Sample
Determination start 2022-09-04 09:15:52
Dilution factor 1.00

Anions

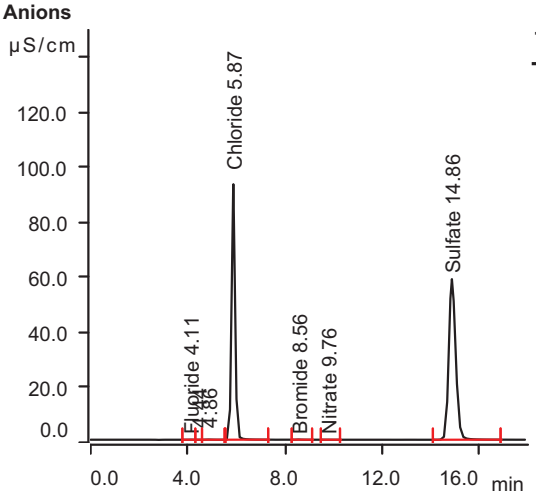


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0259	0.092	0.092
5.89	Chloride	2.8961	8.527	8.527
8.58	Bromide	0.0118	0.191	0.191
9.78	Nitrate	0.0024	0.052	0.052
14.93	Sulfate	0.0116	0.045	0.045

Sample data

Ident FA98485-6
Sample type . . . . . Sample
Determination start 2022-09-04 09:36:55
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0063	0.055	0.055
5.87	Chloride	15.7729	45.238	45.238
8.56	Bromide	0.0146	0.211	0.211
9.76	Nitrate	0.0023	0.052	0.052
14.86	Sulfate	19.1919	75.397	75.397

MagIC Net

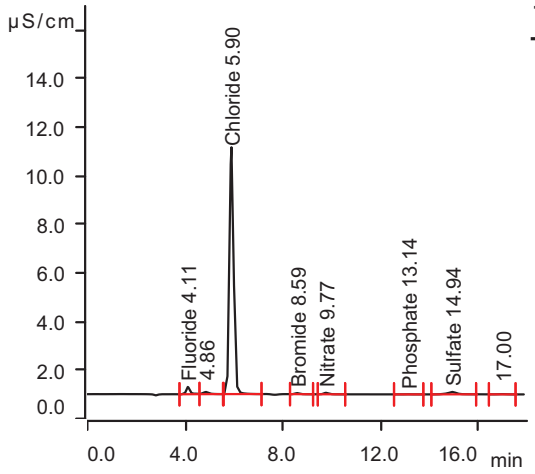
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98485-7
Sample type . . . . . Sample
Determination start 2022-09-04 09:57:58
Dilution factor 1.00

Anions

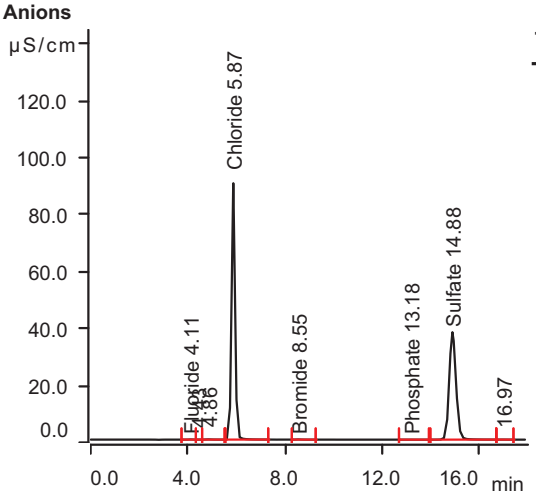


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0569	0.150	0.150
5.90	Chloride	2.0252	6.044	6.044
8.59	Bromide	0.0095	0.174	0.174
9.77	Nitrate	0.0149	0.067	0.067
13.14	Phosphate	0.0012	invalid	invalid
14.94	Sulfate	0.0426	0.167	0.167

Sample data

Ident FA98485-8
Sample type . . . . . Sample
Determination start 2022-09-04 10:19:03
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0131	0.068	0.068
5.87	Chloride	15.3361	43.992	43.992
8.55	Bromide	0.0138	0.205	0.205
13.18	Phosphate	0.0035	invalid	invalid
14.88	Sulfate	12.1966	47.916	47.916

MagIC Net

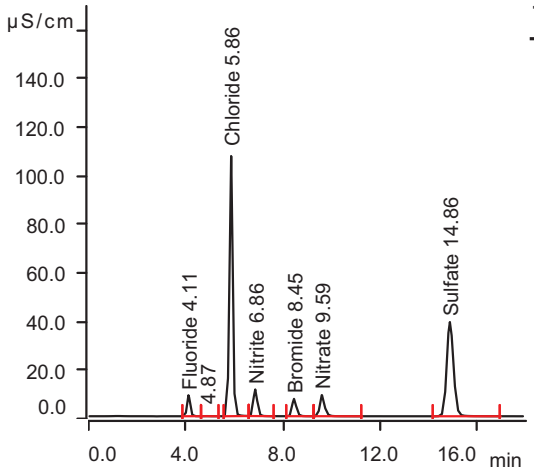
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-04 10:40:08
Dilution factor 1.00

Anions

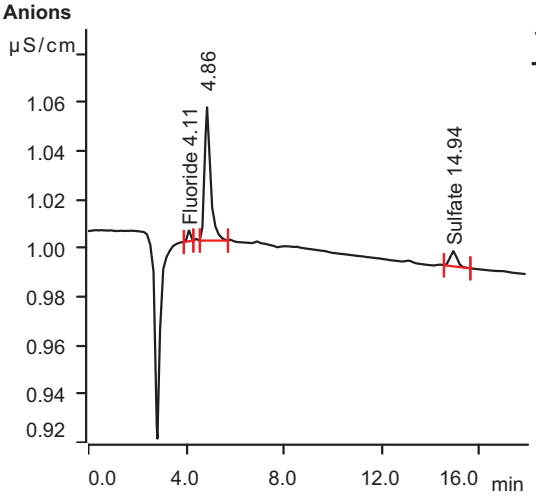


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.3159	2.511	2.511
5.86	Chloride	17.1119	49.055	49.055
6.86	Nitrite	2.0343	2.531	2.531
8.45	Bromide	1.4348	10.272	10.272
9.59	Nitrate	2.0057	2.406	2.406
14.86	Sulfate	12.6030	49.512	49.512

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-04 11:01:19
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0007	0.044	0.044
14.94	Sulfate	0.0021	0.008	0.008

MagIC Net

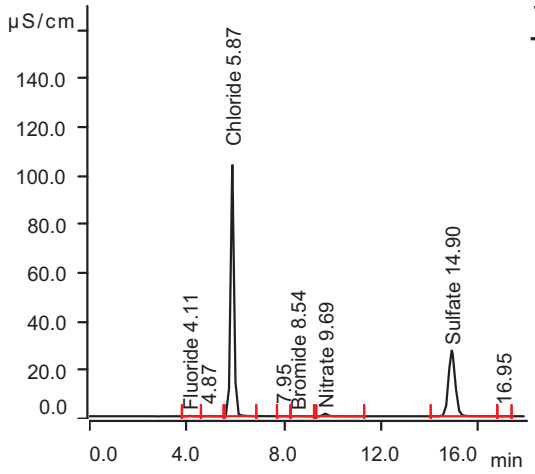
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98485-9
Sample type . . . . . Sample
Determination start 2022-09-04 11:22:23
Dilution factor 1.00

Anions

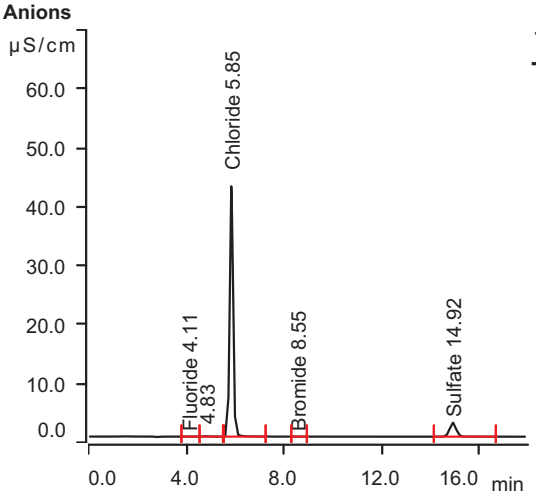


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0282	0.096	0.096
5.87	Chloride	16.9655	48.638	48.638
8.54	Bromide	0.0151	0.214	0.214
9.69	Nitrate	0.2407	0.332	0.332
14.90	Sulfate	8.7007	34.182	34.182

Sample data

Ident FA98517-1
Sample type . . . . . Sample
Determination start 2022-09-04 11:43:33
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0034	0.049	0.247
5.85	Chloride	6.7461	19.503	97.514
8.55	Bromide	0.0012	0.115	0.576
14.92	Sulfate	0.7413	2.912	14.560

MagIC Net

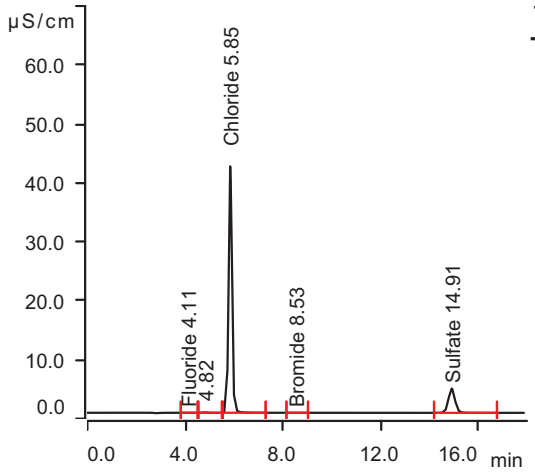
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98517-2
Sample type . . . . . Sample
Determination start 2022-09-04 12:04:22
Dilution factor 5.00

Anions

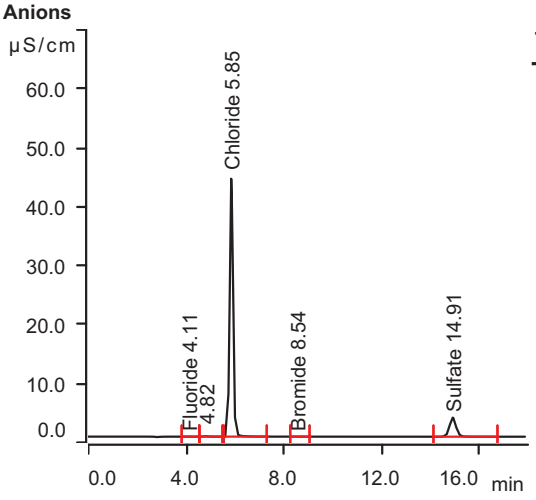


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0016	0.046	0.230
5.85	Chloride	6.6126	19.122	95.611
8.53	Bromide	0.0029	0.128	0.639
14.91	Sulfate	1.2982	5.100	25.500

Sample data

Ident FA98517-3
Sample type . . . . . Sample
Determination start 2022-09-04 12:25:12
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0026	0.048	0.240
5.85	Chloride	6.9203	20.000	99.998
8.54	Bromide	0.0026	0.126	0.628
14.91	Sulfate	1.0170	3.995	19.976

MagIC Net

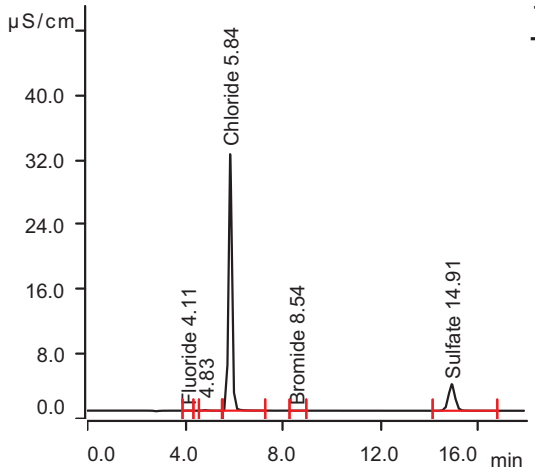
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98517-4
Sample type . . . . . Sample
Determination start 2022-09-04 12:46:00
Dilution factor 5.00

Anions

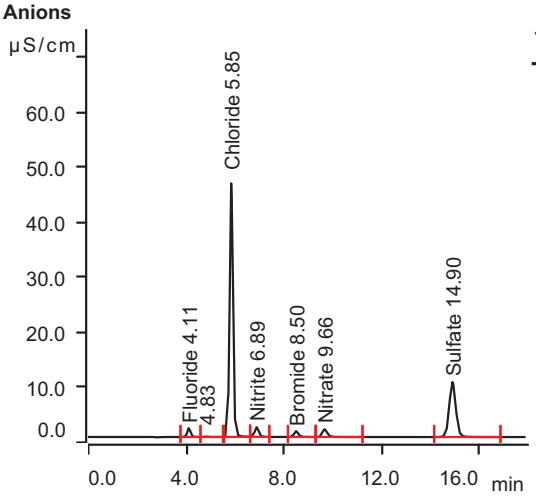


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0016	0.046	0.231
5.84	Chloride	5.0075	14.546	72.730
8.54	Bromide	0.0008	0.113	0.563
14.91	Sulfate	1.0317	4.053	20.265

Sample data

Ident FA98517-4S3
Sample type . . . . . Sample
Determination start 2022-09-04 13:06:48
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.2455	0.503	2.517
5.85	Chloride	7.2715	21.001	105.004
6.89	Nitrite	0.3275	0.434	2.169
8.50	Bromide	0.2150	1.630	8.150
9.66	Nitrate	0.3257	0.432	2.161
14.90	Sulfate	3.1584	12.408	62.038

MagIC Net

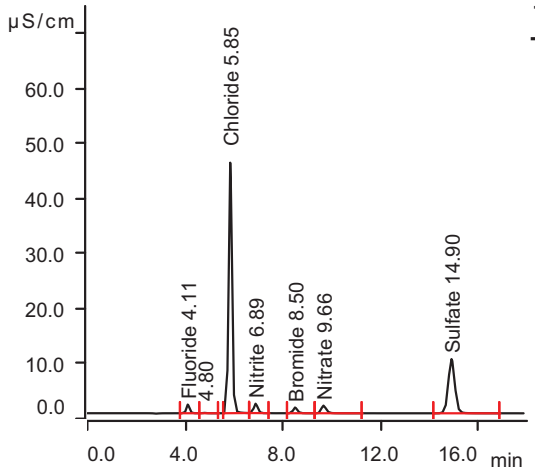
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98517-4S4
Sample type . . . . . Sample
Determination start 2022-09-04 13:27:37
Dilution factor 5.00

Anions

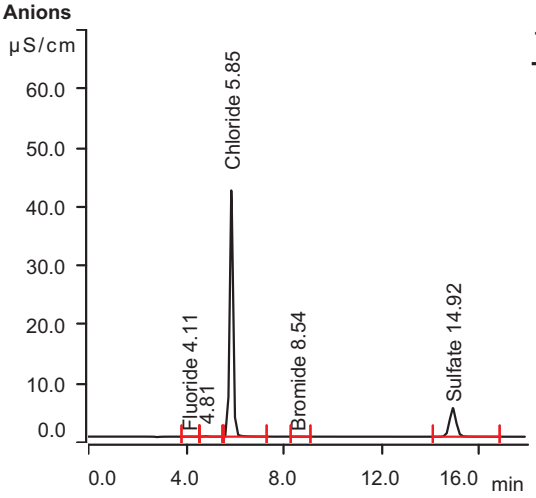


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.2417	0.496	2.482
5.85	Chloride	7.1871	20.760	103.801
6.89	Nitrite	0.3220	0.427	2.136
8.50	Bromide	0.2118	1.607	8.037
9.66	Nitrate	0.3210	0.427	2.133
14.90	Sulfate	3.1133	12.231	61.154

Sample data

Ident FA98517-5
Sample type . . . . . Sample
Determination start 2022-09-04 13:48:25
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0022	0.047	0.237
5.85	Chloride	6.6266	19.162	95.810
8.54	Bromide	0.0030	0.128	0.641
14.92	Sulfate	1.5252	5.992	29.958

MagIC Net

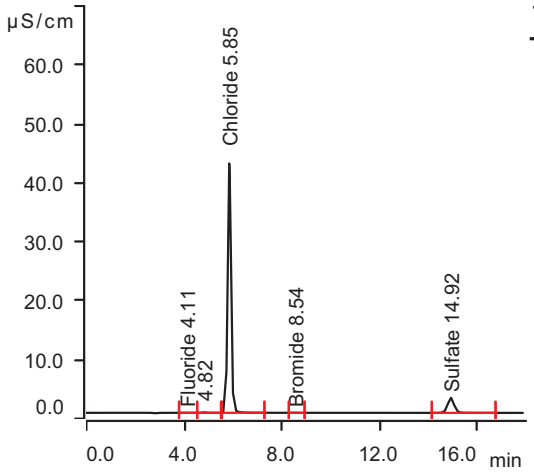
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98517-7
Sample type . . . . . Sample
Determination start 2022-09-04 14:09:15
Dilution factor 5.00

Anions

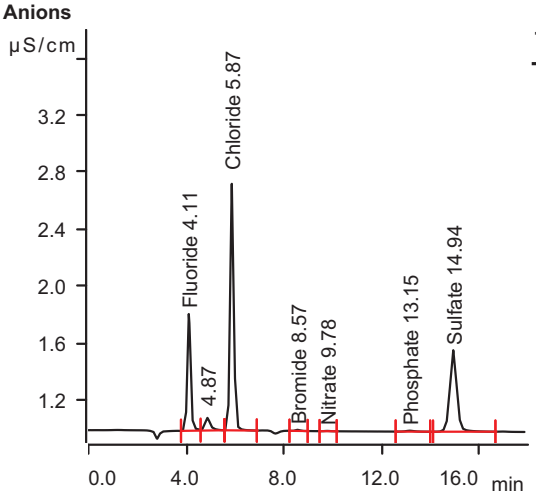


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0026	0.048	0.240
5.85	Chloride	6.7433	19.495	97.474
8.54	Bromide	0.0013	0.116	0.579
14.92	Sulfate	0.7964	3.128	15.642

Sample data

Ident FA98522-1
Sample type . . . . . Sample
Determination start 2022-09-04 14:30:03
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.1312	0.289	0.289
5.87	Chloride	0.3031	1.134	1.134
8.57	Bromide	0.0016	0.119	0.119
9.78	Nitrate	0.0006	0.050	0.050
13.15	Phosphate	0.0027	invalid	invalid
14.94	Sulfate	0.1934	0.759	0.759

MagIC Net

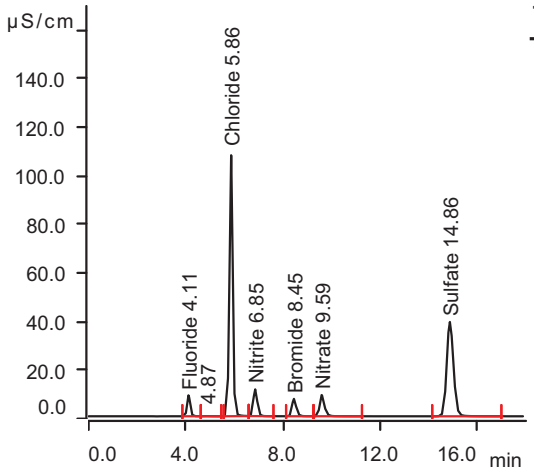
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-04 14:51:12
Dilution factor 1.00

Anions

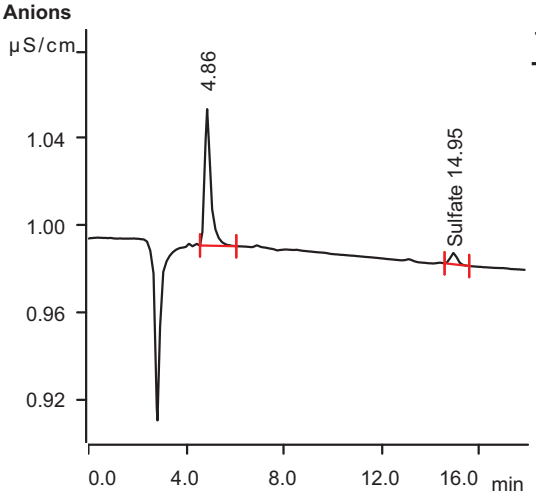


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.3053	2.491	2.491
5.86	Chloride	17.1384	49.131	49.131
6.85	Nitrite	2.0354	2.532	2.532
8.45	Bromide	1.4380	10.294	10.294
9.59	Nitrate	2.0101	2.411	2.411
14.86	Sulfate	12.6075	49.530	49.530

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-04 15:12:23
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
14.95	Sulfate	0.0017	0.006	0.006

MagIC Net

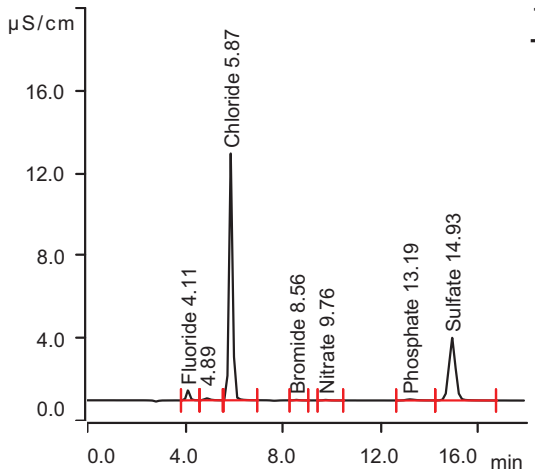
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98522-2
Sample type . . . . . Sample
Determination start 2022-09-04 15:33:26
Dilution factor 1.00

Anions

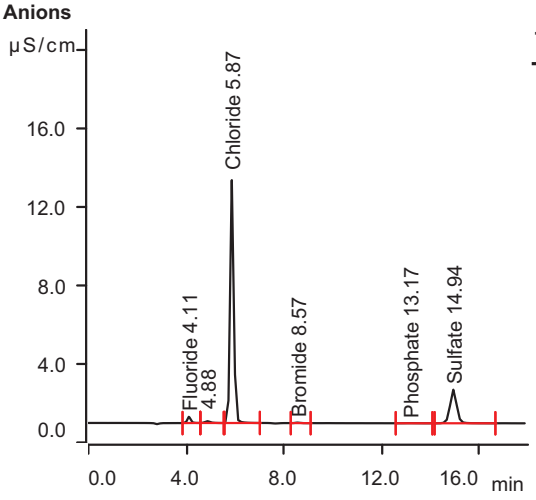


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0773	0.188	0.188
5.87	Chloride	2.0377	6.079	6.079
8.56	Bromide	0.0051	0.143	0.143
9.76	Nitrate	0.0061	0.057	0.057
13.19	Phosphate	0.0237	invalid	invalid
14.93	Sulfate	0.9588	3.767	3.767

Sample data

Ident FA98522-3
Sample type . . . . . Sample
Determination start 2022-09-04 15:54:39
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0513	0.139	0.139
5.87	Chloride	2.1346	6.356	6.356
8.57	Bromide	0.0056	0.147	0.147
13.17	Phosphate	0.0021	invalid	invalid
14.94	Sulfate	0.5457	2.143	2.143

MagIC Net

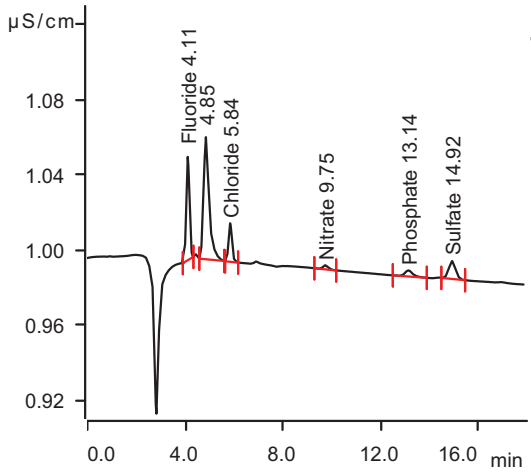
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident MB1F
Sample type . . . . . Sample
Determination start 2022-09-04 16:15:43
Dilution factor 1.00

Anions

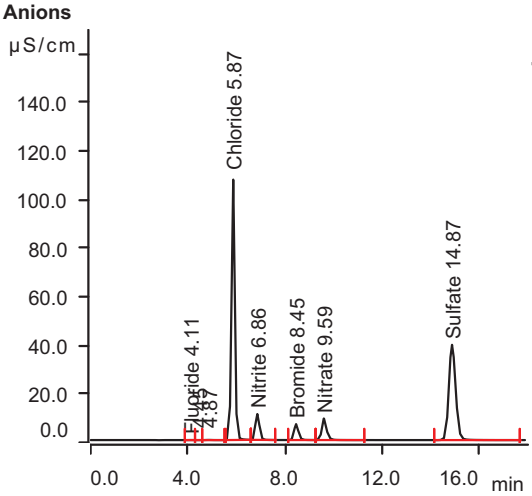


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0084	0.059	0.059
5.84	Chloride	0.0034	0.280	0.280
9.75	Nitrate	0.0006	0.050	0.050
13.14	Phosphate	0.0012	invalid	invalid
14.92	Sulfate	0.0031	0.012	0.012

Sample data

Ident B1F
Sample type . . . . . Sample
Determination start 2022-09-04 16:36:46
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0040	0.051	0.051
5.87	Chloride	17.1967	49.297	49.297
6.86	Nitrite	1.9772	2.460	2.460
8.45	Bromide	1.3221	9.473	9.473
9.59	Nitrate	2.0483	2.456	2.456
14.87	Sulfate	12.7651	50.149	50.149

MagIC Net

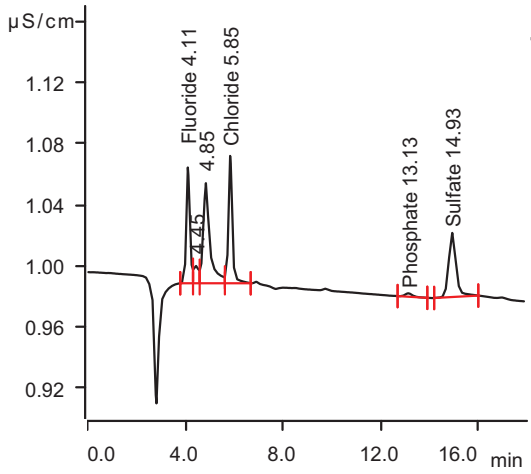
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98447-1
Sample type . . . . . Sample
Determination start 2022-09-04 16:57:51
Dilution factor 5.00

Anions

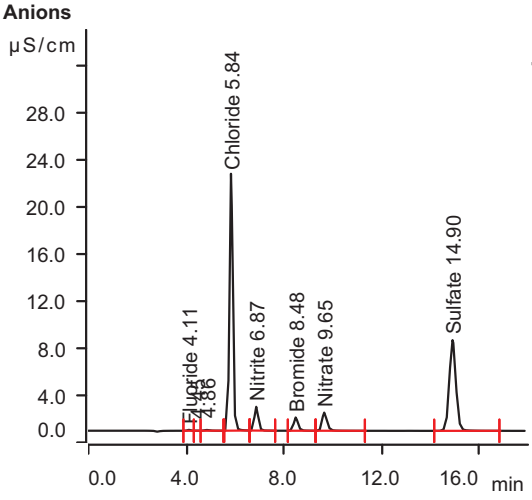


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0127	0.067	0.335
5.85	Chloride	0.0152	0.314	1.568
13.13	Phosphate	0.0008	invalid	invalid
14.93	Sulfate	0.0149	0.058	0.291

Sample data

Ident FA98447-1S1
Sample type . . . . . Sample
Determination start 2022-09-04 17:18:54
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0120	0.066	0.328
5.84	Chloride	3.3672	9.870	49.349
6.87	Nitrite	0.3638	0.478	2.392
8.48	Bromide	0.2325	1.754	8.769
9.65	Nitrate	0.3566	0.469	2.343
14.90	Sulfate	2.4286	9.541	47.703

MagIC Net

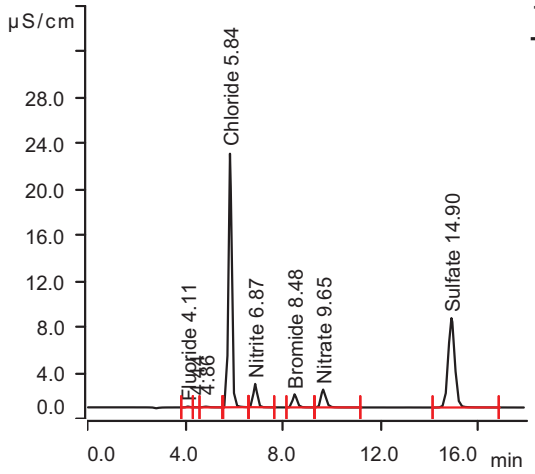
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident FA98447-1S2
Sample type . . . . . Sample
Determination start 2022-09-04 17:39:59
Dilution factor 5.00

Anions

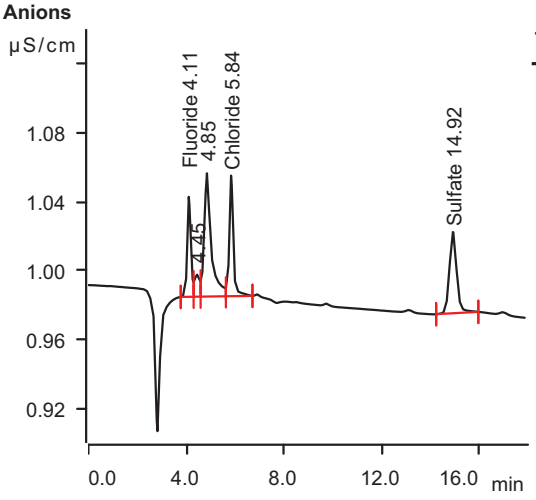


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0120	0.066	0.328
5.84	Chloride	3.4169	10.012	50.058
6.87	Nitrite	0.3669	0.482	2.411
8.48	Bromide	0.2352	1.773	8.867
9.65	Nitrate	0.3593	0.472	2.358
14.90	Sulfate	2.4582	9.657	48.285

Sample data

Ident FA98447-2
Sample type . . . . . Sample
Determination start 2022-09-04 18:01:03
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0098	0.062	0.308
5.84	Chloride	0.0133	0.308	1.540
14.92	Sulfate	0.0163	0.064	0.319

MagIC Net

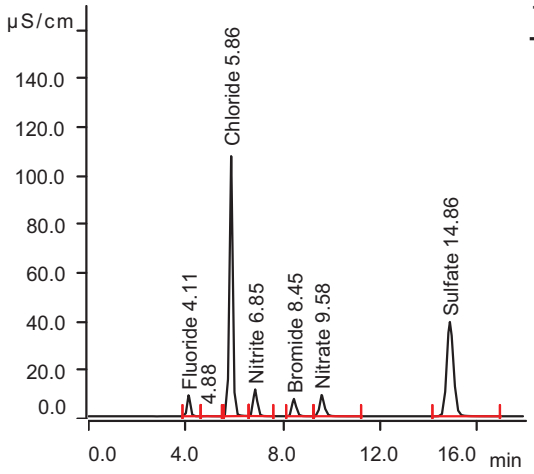
Summary Report

2022-09-07 9:39:33
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-04 18:22:06
Dilution factor 1.00

Anions

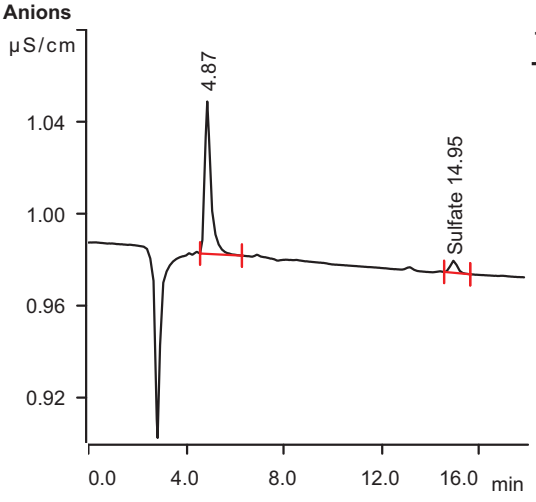


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.3125	2.504	2.504
5.86	Chloride	17.1660	49.209	49.209
6.85	Nitrite	2.0361	2.533	2.533
8.45	Bromide	1.4410	10.315	10.315
9.58	Nitrate	2.0134	2.415	2.415
14.86	Sulfate	12.6220	49.587	49.587

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-04 18:43:14
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
14.95	Sulfate	0.0017	0.007	0.007

TOC ANALYSIS LOG, Aqueous

DATE:	09-08-2022
ANALYST:	F.N.
INSTRUMENT:	TOC2
INST. FILE NAME:	220908w1.txt
Filter Lot#:	280632432

METHODS:	SM5310B SW846 9060A
METHOD FILE:	NPOC-MEI
CALIB. DATE:	09-01-2022
GN BATCH:	GN92261

pH paper lot#	230320
pipette ID#	TU 11345
pipette ID#	PU 13805
pipette ID#	—

STANDARDS	
ICAL:	LIST INDIVIDUALLY IN COMMENTS
ICV:	TOC 4035
CCV:	TOC 4034
QC:	WC 1799

Autosampler position	Sample ID	Bottle #	pH, su	Injected Volume, ml	Manual Dilution	Instrument Dilution	GP BATCH	COMMENTS
1	BLANK	—	—	50 mL	1x	1x		
2	CCV	—	1.5					
3	MBI (F)	—	—				38021	MBI/BI - FILTERED PRIOR ANALYSIS.
4	BI (F)	—	1.5					
5	FA98517-1F	2	1.0*					
6	-2F	2	1.0*					
7	-3F	2	1.0*					F ⇒ SAMPLES FILTERED
8	-4F	ⓐ2&4	1.5					IN LAB PRIOR ANALYSIS
9	S1 (FA98517-4F)	5	1.0					
10	S2 (FA98517-4F)	6	1.0					* ⇒ INITIAL PH>2, ADDED
11	FA98517-5F	2	1.0*					DROPS CONC. HCL TO ACIDIFY
12	-7F	2	1.0*					
13	CCV	—	1.5					
14	MBI(*) CCB	—	—					
								SAMPLES FILTERED FROM PRESERVED VIALS.
					(*) F.N. 09/09/22			

Notes: (1 of 1) DOD SAMPLES/DOC RUN

Analyst Signature Frida N.

SGS Accutest - Orlando Organic Carbon Standards Preparation Log

SGS Std. #	Name Description	Parent Std. #	Parent Name	Parent Vendor	Parent Exp. Date	Parent Conc(mg/l)	Weight(g) / Vol.(ml) used	Bal.ID**/ pipette ID	Final Vol.(ml)	Final Conc(mg/l)	pH paper lot#	Prep. Date	Exp. Date	Initials
TOC 4014	MDL-6 1PPM	WC 1908	TOC KHP-1	INORG. VENTUR.	02/15/23	1000	ml 0.04	NU 04977	40	1.0	230 320	07/19/22	08/31/22	F.N.
TOC 4015	MDL-7 1PPM	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
TOC 4016	CCV-STD 15 PPM	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 x3 mL	TU11245	40	15.0	230320	07/22/22	08/22/22	ST
TOC 4017	CCV-STD 15 PPM	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 x 2 mL	KU15249	40	15.0	230320	07/25/22	08/25/22	ST
TOC 4018	MDL-1 (L) 1PPM	WC 1908	TOC KHP-1	INORGANIC VENTURES	02/15/23	1000	0.1	NU 04977	100	1.0	230 320	07/19/22	08/19/22	F.N.
TOC 4019	MDL-2 (L) 1PPM	↓	↓	↓	↓	1000	↓	↓	100	↓	↓	↓	↓	↓
TOC 4020	MDL-3 (L) 1PPM	↓	↓	↓	↓	1000	↓	↓	100	↓	↓	↓	↓	↓
TOC 4021	MDL-4 (L) 1PPM	WC 1908	TOC KHP-1	INORG. VENTUR.	02/15/23	1000	0.1	NU 04977	100	1.0	230320	07/26/22	08/26/22	F.N.
TOC 4022	MDL-5 (L) 1PPM	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
TOC 4023	BSP (F)	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 mL	TU11245	40	15.0	230320	08/01/22	08/07/22	ST
TOC 4024	BSP	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 mL	TU11245	40	15.0	230320	08/03/22	08/10/22	ST
TOC 4025	CCV - STD 15 PPM	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	ml 3.75	PU 13805	250	15.0	230 320	08/16/22	09/16/22	F.N.
TOC 4026	ICV - STD 15 PPM	WC 1799	↓	↓	↓	↓	ml 3.75	↓	250	15.0	↓	08/16/22	09/16/22	F.N.
TOC 4027	Cal Std # 1 1PPM	WC 1908	TOC KHP-1	INORGANIC VENTURES	02/15/23	1000	ml 0.1	TU 11245	100	1.0	230320	09/01/22	10/01/22	F.N.
TOC 4028	Cal #Std #2 2PPM	↓	↓	↓	↓	↓	ml 0.2	↓	↓	2.0	↓	↓	↓	F.N.
TOC 4029	Cal Std #3 5 PPM	↓	↓	↓	↓	↓	ml 0.5	↓	↓	5.0	↓	↓	↓	F.N.
TOC 4030	Cal Std #4 10PPM	↓	↓	↓	↓	↓	ml 1.0	↓	↓	10.0	↓	↓	↓	F.N.

** Record ANALYTICAL balance sequential number

SGS Accutest - Orlando Organic Carbon Standards Preparation Log

SGS Std. #	Name Description	Parent Std. #	Parent Name	Parent Vendor	Parent Exp. Date	Parent Conc(mg/l)	Weight(g) / Vol.(ml) used	Bal.ID**/ pipette ID	Final Vol.(ml)	Final Conc(mg/l)	pH paper lot#	Prep. Date	Exp. Date	Initials
TOC 4031	Cal Std #5 20ppm	WC 1908	TOC KHP-1	INORG. VENTUR.	02/15/23	1000	mL 2.0	TV 11245	100	20	230320	09/01/22	10/01/22	F.N.
TOC 4032	Cal Std #6 30ppm.	↓	↓	↓	↓	↓	mL 3.0	↓	↓	30	↓	↓	↓	F.N.
TOC 4033	ICV – STD 15PPM	WC 1799	TOC KHP-1	↓	01/03/23	↓	mL 1.5	PV 13805	↓	15	↓	↓	↓	F.N.
TOC 4034	CCV-STD 15PPM	WC 1799	TOC KHP-1	INORGA NIC	01/03/23	1000	mL 3.75	PV 13805	250	15	230320	09/06/22	→	F.N.
TOC 4035	ICV-STD 15PPM	WC 1799	TOC KHP-1	VENTU-RES	01/03/23	1000	mL 3.75	PV 13805	250	15	230320	09/06/22	→	F.N.

** Record ANALYTICAL balance sequential number

C:\TOC3201\Data\doc 2 aq 09-08-2022.t32

	Type	Analysis	Sample Name	Origin	Manual Dilutio	Result	Comment	Status	Date / Time	Vial
1	Unknow	NPOC	BLANK	NPOC.met	1.000	NPOC:-0.00228mg/L	SM5310B SW846 9060A	Completed	9/8/2022 3:34:20 PM	1
2	Unknow	NPOC	CCV	NPOC.met	1.000	NPOC:14.44mg/L	SM5310B SW846 9060A	Completed	9/8/2022 3:57:44 PM	2
3	Unknow	NPOC	GP38021-MB1	NPOC.met	1.000	NPOC:0.1773mg/L	SM5310B SW846 9060A	Completed	9/8/2022 4:20:32 PM	3
4	Unknow	NPOC	GP38021-B1	NPOC.met	1.000	NPOC:15.04mg/L	SM5310B SW846 9060A	Completed	9/8/2022 4:43:41 PM	4
5	Unknow	NPOC	FA98517-1F	NPOC.met	1.000	NPOC:1.871mg/L	SM5310B SW846 9060A	Completed	9/8/2022 5:06:28 PM	5
6	Unknow	NPOC	FA98517-2F	NPOC.met	1.000	NPOC:2.094mg/L	SM5310B SW846 9060A	Completed	9/8/2022 5:27:15 PM	6
7	Unknow	NPOC	FA98517-3F	NPOC.met	1.000	NPOC:1.621mg/L	SM5310B SW846 9060A	Completed	9/8/2022 5:50:08 PM	7
8	Unknow	NPOC	FA98517-4F	NPOC.met	1.000	NPOC:1.881mg/L	SM5310B SW846 9060A	Completed	9/8/2022 6:12:56 PM	8
9	Unknow	NPOC	GP38021-S1	NPOC.met	1.000	NPOC:17.07mg/L	SM5310B SW846 9060A	Completed	9/8/2022 6:36:41 PM	9
10	Unknow	NPOC	GP38021-S2	NPOC.met	1.000	NPOC:16.94mg/L	SM5310B SW846 9060A	Completed	9/8/2022 6:59:55 PM	10
11	Unknow	NPOC	FA98517-5F	NPOC.met	1.000	NPOC:2.226mg/L	SM5310B SW846 9060A	Completed	9/8/2022 7:22:43 PM	11
12	Unknow	NPOC	FA98517-7F	NPOC.met	1.000	NPOC:1.762mg/L	SM5310B SW846 9060A	Completed	9/8/2022 7:45:31 PM	12
13	Unknow	NPOC	CCV	NPOC.met	1.000	NPOC:14.56mg/L	SM5310B SW846 9060A	Completed	9/8/2022 8:08:38 PM	13
14	Unknow	NPOC	CCB	NPOC.met	1.000	NPOC:0.09360mg/L	SM5310B SW846 9060A	Completed	9/8/2022 8:31:26 PM	14

Instr.Information

System	TOC-2
Instrument Options	TOC/ASI/
Catalyst	Regular Sensitivity

Sample

Sample Name:	BLANK
Sample ID:	Untitled
Origin:	NPOC.met
Status	Completed
Chk. Result	

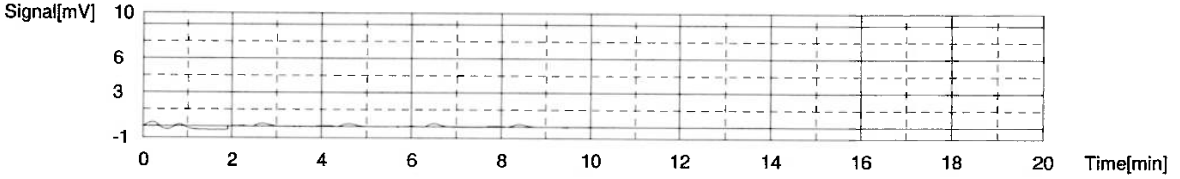
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.00228mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1115	-0.09613mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 3:26:08 PM
2	0.4219	-0.00532mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 3:28:11 PM
3	0.4301	-0.00292mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 3:30:14 PM
4	0.4793	0.01148mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 3:32:17 PM
5	0.3978	-0.01237mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 3:34:20 PM

Mean Area	0.4323
Mean Conc.	-0.00228mg/L



Sample

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FA98517

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

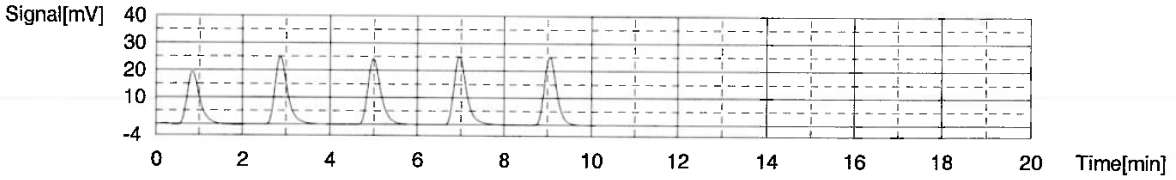
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.44mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	38.89	11.25mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 3:49:04 PM
2	49.82	14.45mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 3:51:20 PM
3	50.04	14.51mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 3:53:28 PM
4	50.45	14.63mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 3:55:41 PM
5	48.92	14.18mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 3:57:44 PM

Mean Area 49.81
Mean Conc. 14.44mg/L



Sample

Sample Name: GP38021-MB1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.1773mg/L

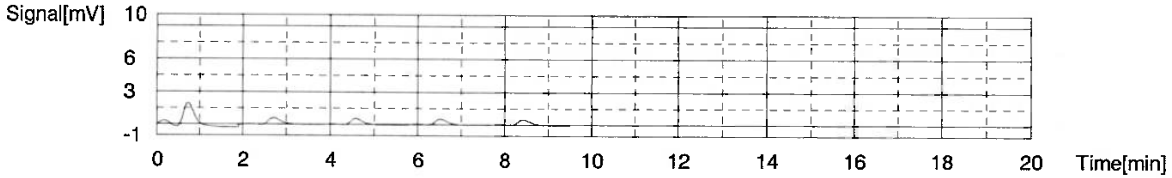
1. Det

Anal.: NPOC

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QC Reports:
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FA98517

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.837	0.9939mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 4:12:20 PM
2	1.150	0.2077mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 4:14:23 PM
3	1.020	0.1697mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 4:16:26 PM
4	1.035	0.1741mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 4:18:29 PM
5	0.9786	0.1576mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 4:20:32 PM

Mean Area 1.046
Mean Conc. 0.1773mg/L



Sample

Sample Name: GP38021-B1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

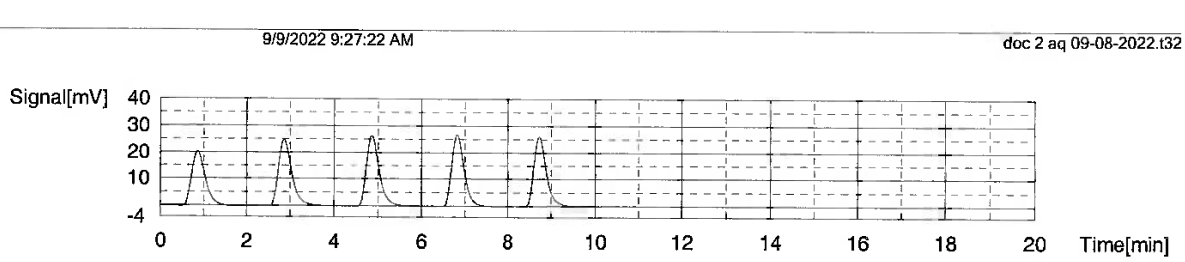
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.04mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.85	12.41mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 4:35:15 PM
2	51.84	15.04mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 4:37:25 PM
3	52.36	15.19mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 4:39:32 PM
4	52.12	15.12mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 4:41:35 PM
5	51.10	14.82mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 4:43:41 PM

Mean Area 51.85
Mean Conc. 15.04mg/L



Sample

Sample Name: FA98517-1F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

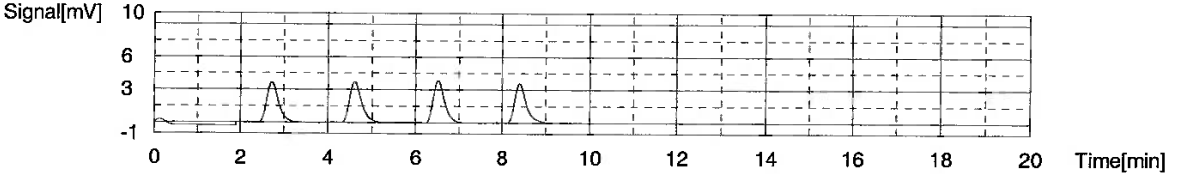
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.871mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.1288mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 4:58:16 PM
2	6.762	1.850mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 5:00:19 PM
3	6.996	1.918mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 5:02:22 PM
4	6.989	1.916mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 5:04:25 PM
5	6.588	1.799mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 5:06:28 PM

Mean Area 6.834
Mean Conc. 1.871mg/L



Sample

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QC Reports:
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Sample Name: FA98517-2F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

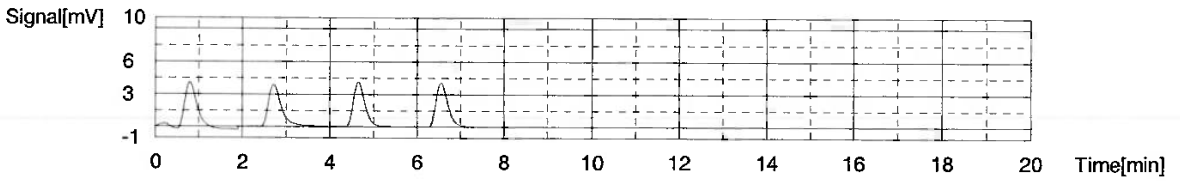
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.094mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.593	2.093mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 5:21:04 PM
2	7.627	2.103mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 5:23:09 PM
3	7.608	2.097mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 5:25:12 PM
4	7.554	2.081mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 5:27:15 PM

Mean Area 7.596
Mean Conc. 2.094mg/L



Sample

Sample Name: FA98517-3F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

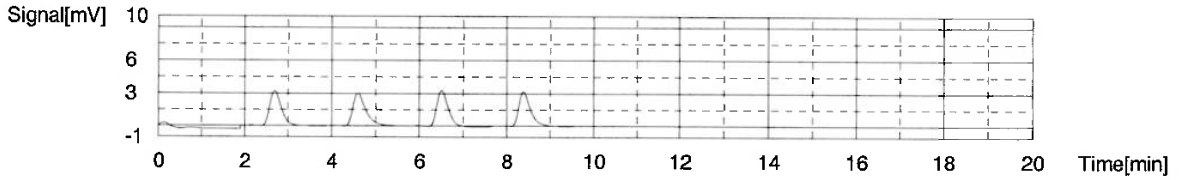
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.621mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1118	-0.09605mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 5:41:56 PM
2	5.861	1.586mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 5:43:59 PM
3	6.035	1.637mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 5:46:02 PM
4	6.006	1.629mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 5:48:05 PM
5	6.026	1.634mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 5:50:08 PM

Mean Area 5.982
Mean Conc. 1.621mg/L



Sample

Sample Name: FA98517-4F
Sample ID: Untitled
Origin: NPOC,met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.881mg/L

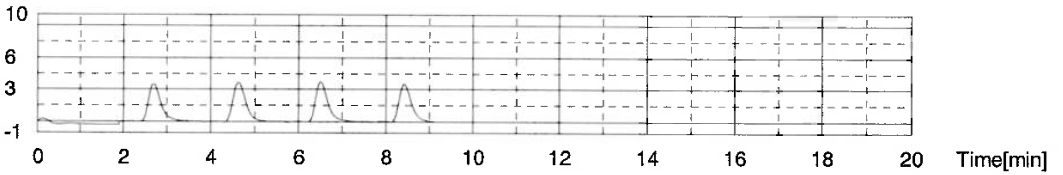
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.1288mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 6:04:44 PM
2	6.657	1.819mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 6:06:47 PM
3	7.076	1.942mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 6:08:50 PM
4	6.979	1.913mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 6:10:53 PM
5	6.758	1.849mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 6:12:56 PM

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Mean Area 6.867
Mean Conc. 1.881mg/L



Sample

Sample Name: GP38021-S1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

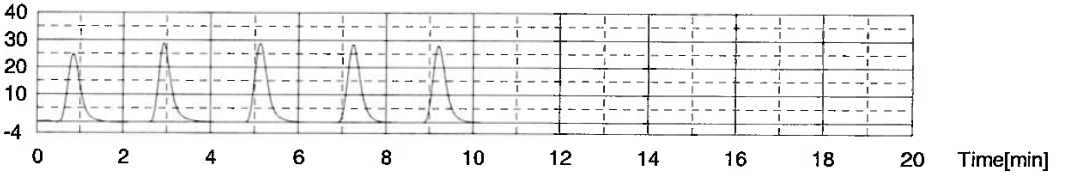
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:17.07mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	51.22	14.86mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 6:27:44 PM
2	57.67	16.74mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 6:30:04 PM
3	59.74	17.35mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 6:32:19 PM
4	58.39	16.96mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 6:34:26 PM
5	59.33	17.23mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 6:36:41 PM

Mean Area 58.78
Mean Conc. 17.07mg/L



Sample

Sample Name: GP38021-S2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

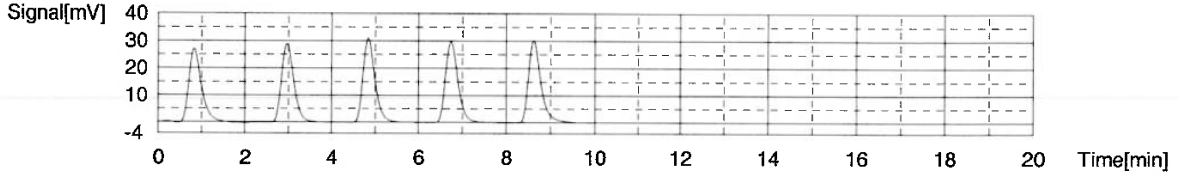
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:16.94mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	55.16	16.01mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 6:51:29 PM
2	57.36	16.65mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 6:53:32 PM
3	59.12	17.17mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 6:55:35 PM
4	57.54	16.71mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 6:57:38 PM
5	59.34	17.23mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 6:59:55 PM

Mean Area 58.34
Mean Conc. 16.94mg/L



Sample

Sample Name: FA98517-5F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.226mg/L

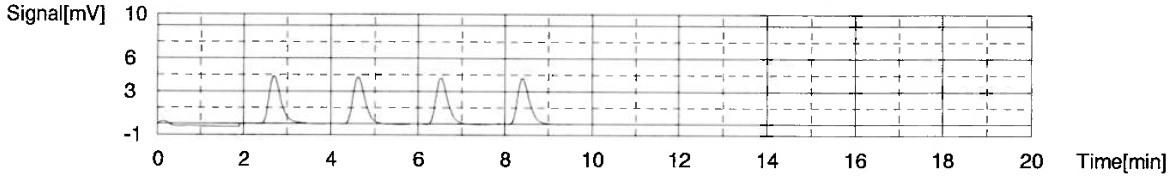
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.1288mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 7:14:31 PM
2	8.333	2.309mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 7:16:34 PM
3	7.922	2.189mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 7:18:37 PM
4	7.983	2.207mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 7:20:40 PM
5	7.950	2.197mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 7:22:43 PM

Mean Area 8.047
Mean Conc. 2.226mg/L



Sample

Sample Name: FA98517-7F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

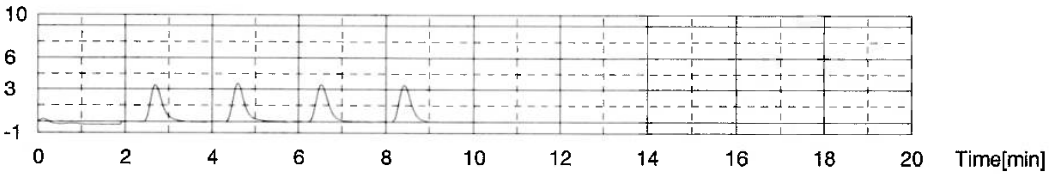
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.762mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1371	-0.08864mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 7:37:19 PM
2	6.322	1.721mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 7:39:22 PM
3	6.479	1.767mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 7:41:25 PM
4	6.582	1.797mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 7:43:28 PM
5	6.463	1.762mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 7:45:31 PM

Mean Area 6.462
Mean Conc. 1.762mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

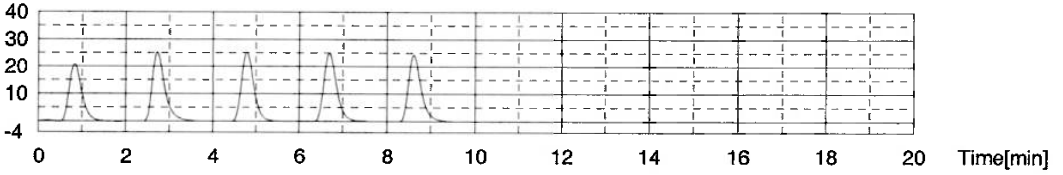
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.56mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.38	11.98mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 8:00:08 PM
2	50.35	14.60mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 8:02:18 PM
3	50.36	14.61mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 8:04:21 PM
4	50.68	14.70mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 8:06:27 PM
5	49.46	14.34mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 8:08:38 PM

Mean Area 50.21
Mean Conc. 14.56mg/L



Sample

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Sample Name: CCB
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

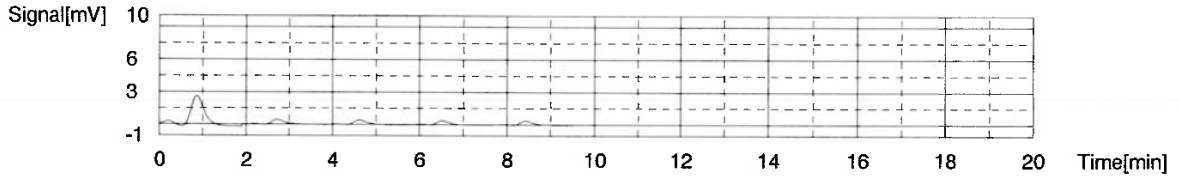
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.09360mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.134	1.373mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 8:23:14 PM
2	0.8732	0.1267mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 8:25:17 PM
3	0.7782	0.09893mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 8:27:20 PM
4	0.6936	0.07418mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 8:29:23 PM
5	0.6949	0.07456mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal	9/8/2022 8:31:26 PM

Mean Area 0.7600
Mean Conc. 0.09360mg/L



Raw Data GN92261: Dissolved Organic Carbon page 17 of 21
QC Reports:
GN92261
SGS
640 of 644
FA98517
11.3

Instr.Information

System	TOC-2
Instrument Options	TOC/ASI/
Catalyst	Regular Sensitivity

Cal. Curve

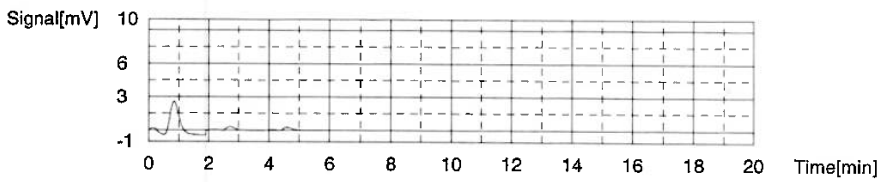
Sample Name:	NPOC METHOD
Sample ID:	Untitled
Cal. Curve:	toc 2 aq cal-curve 09-01-2022.2022_09_01_16_26_29.cal
Status	Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	6.182	50uL	1	*******	E	9/1/2022 4:38:41 PM
2	0.5758	50uL	1	*******		9/1/2022 4:40:44 PM
3	0.4401	50uL	1	*******		9/1/2022 4:42:47 PM

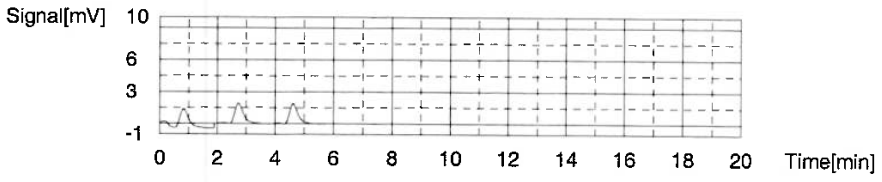
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 0.5080



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	3.594	50uL	1	*******	E	9/1/2022 4:55:48 PM
2	3.827	50uL	1	*******		9/1/2022 4:57:52 PM
3	3.755	50uL	1	*******		9/1/2022 4:59:55 PM

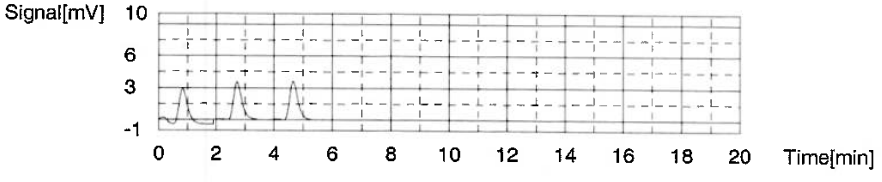
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 3.791



Conc: 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	6.764	50uL	1	*******	E	9/1/2022 5:12:57 PM
2	7.058	50uL	1	*******		9/1/2022 5:15:00 PM
3	7.106	50uL	1	*******		9/1/2022 5:17:03 PM

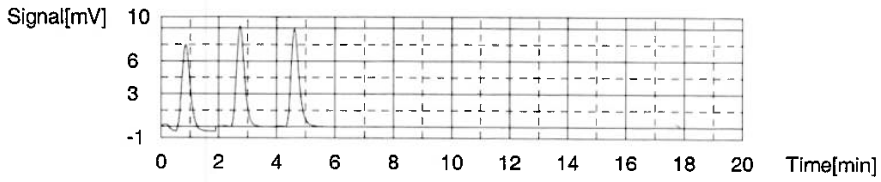
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 7.082



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	15.92	50uL	1	*******	E	9/1/2022 5:30:05 PM
2	17.55	50uL	1	*******		9/1/2022 5:32:08 PM
3	17.08	50uL	1	*******		9/1/2022 5:34:11 PM

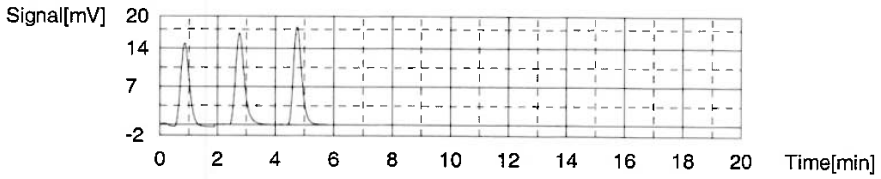
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 17.32



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	32.14	50uL	1	*******	E	9/1/2022 5:47:12 PM
2	35.60	50uL	1	*******		9/1/2022 5:49:23 PM
3	34.91	50uL	1	*******		9/1/2022 5:51:26 PM

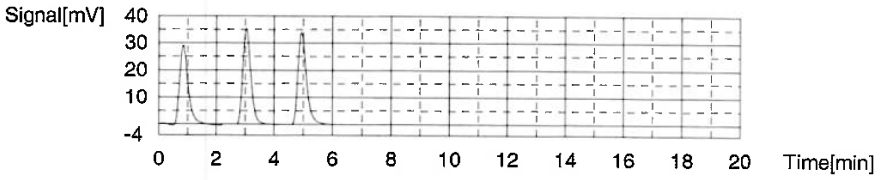
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 35.26



Conc: 20.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	61.64	50uL	1	*******	E	9/1/2022 6:04:46 PM
2	68.59	50uL	1	*******		9/1/2022 6:06:49 PM
3	68.59	50uL	1	*******		9/1/2022 6:09:02 PM

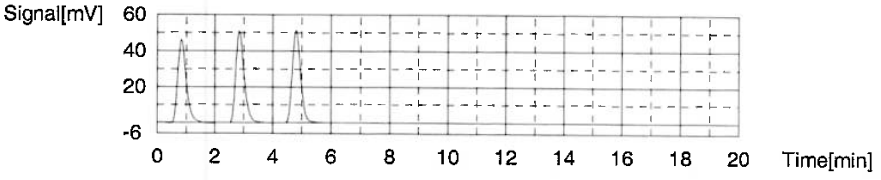
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 68.59



Conc: 30.00mg/L

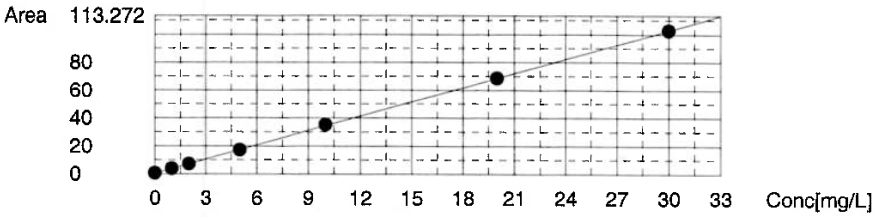
No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	96.88	50uL	1	*******	E	9/1/2022 6:22:11 PM
2	102.9	50uL	1	*******		9/1/2022 6:24:14 PM
3	103.0	50uL	1	*******		9/1/2022 6:26:23 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 103.0



9/9/2022 9:27:41 AM tc 2 - toc 2 aq Cal-Curves 09-01-2022.t32

Slope:	3.418
Intercept	0.4401
r^2	0.9999
r	1.0000
Zero Shift	No



Sample

Sample Name:	ICV
Sample ID:	Untitled
Origin:	NPOC.met
Status	Completed
Chk. Result	

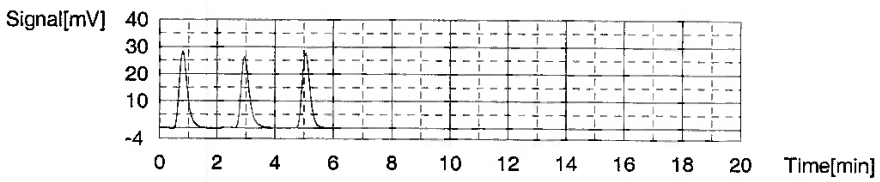
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.19mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	57.13	16.59mg/L	50uL	1	E	toc 2 aq cal-curve 09-01-2022.2022_09_01_16	9/1/2022 6:39:39 PM
2	52.62	15.27mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16	9/1/2022 6:41:53 PM
3	52.06	15.10mg/L	50uL	1		toc 2 aq cal-curve 09-01-2022.2022_09_01_16	9/1/2022 6:43:55 PM

Mean Area	52.34
Mean Conc.	15.19mg/L



3/3

APPENDIX D-4 SD052-05 BUILDING 817/WSA LABORATORY DATA PACKAGES

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Bhate Environmental

Griffiss AFB; Rome, NY

GRFIS-BECOS

SGS Job Number: FA98431

Sampling Date: 08/25/22



Report to:

Bhate Environmental
1608 13th Ave S Suite 300
Birmingham, AL 35205
dbadio@bhate.com

ATTN: David Badio

Total number of pages in report: **1200**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Ariel Hartney 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

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EHS.US.CustomerCare@sgs.com

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SGS North America Inc.

Sample Summary

Bhate Environmental

Job No: FA98431

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA98431-1	08/25/22	08:15	NBBP	08/26/22	AQ	Ground Water	B817-MW-002-0822
FA98431-1F	08/25/22	08:15	NBBP	08/26/22	AQ	Groundwater Filtered	B817-MW-002-0822
FA98431-2	08/25/22	09:00	NBBP	08/26/22	AQ	Ground Water	B817-MW-003-0822
FA98431-2F	08/25/22	09:00	NBBP	08/26/22	AQ	Groundwater Filtered	B817-MW-003-0822
FA98431-3	08/25/22	10:45	NBBP	08/26/22	AQ	Ground Water	WSA-MW16-0822
FA98431-3F	08/25/22	10:45	NBBP	08/26/22	AQ	Groundwater Filtered	WSA-MW16-0822
FA98431-4	08/25/22	09:45	NBBP	08/26/22	AQ	Ground Water	WSA-MW18-0822
FA98431-4F	08/25/22	09:45	NBBP	08/26/22	AQ	Groundwater Filtered	WSA-MW18-0822
FA98431-5	08/25/22	14:10	NBBP	08/26/22	AQ	Ground Water	WSA-MW19-0822
FA98431-5F	08/25/22	14:10	NBBP	08/26/22	AQ	Groundwater Filtered	WSA-MW19-0822
FA98431-6	08/25/22	14:05	NBBP	08/26/22	AQ	Ground Water	WSA-MW21-0822
FA98431-6D	08/25/22	14:05	NBBP	08/26/22	AQ	Water Dup/MSD	WSA-MW21-0822
FA98431-6F	08/25/22	14:05	NBBP	08/26/22	AQ	Groundwater Filtered	WSA-MW21-0822

Sample Summary
(continued)

Bhate Environmental

Job No: FA98431

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA98431-6FD	08/25/22	14:05	NBBP	08/26/22	AQ	Water Dup/MSD	WSA-MW21-0822
FA98431-6FS	08/25/22	14:05	NBBP	08/26/22	AQ	Water Matrix Spike	WSA-MW21-0822
FA98431-6S	08/25/22	14:05	NBBP	08/26/22	AQ	Water Matrix Spike	WSA-MW21-0822
FA98431-7	08/25/22	11:25	NBBP	08/26/22	AQ	Ground Water	WSA-MW23-0822
FA98431-7F	08/25/22	11:25	NBBP	08/26/22	AQ	Groundwater Filtered	WSA-MW23-0822
FA98431-8	08/25/22	12:50	NBBP	08/26/22	AQ	Ground Water	WSA-MW9-0822
FA98431-8F	08/25/22	12:50	NBBP	08/26/22	AQ	Groundwater Filtered	WSA-MW9-0822
FA98431-9	08/25/22	13:20	NBBP	08/26/22	AQ	Ground Water	WSA-VMW17-0822
FA98431-9F	08/25/22	13:20	NBBP	08/26/22	AQ	Groundwater Filtered	WSA-VMW17-0822
FA98431-10	08/25/22	07:30	NBBP	08/26/22	AQ	Trip Blank Water	WSA-TB01-0822
FA98431-11	08/25/22	10:45	NBBP	08/26/22	AQ	Ground Water	WSA-MW16-0822-A
FA98431-11F	08/25/22	10:45	NBBP	08/26/22	AQ	Groundwater Filtered	WSA-MW16-0822-A

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental **Job No:** FA98431

Site: Griffiss AFB; Rome, NY **Report Date:** 9/14/2022 1:02:13 PM

On 08/26/2022, 10 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 3.8 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FA98431 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V2P3567

Sample(s) FA98474-2MS, FA98474-2MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Methyl Tert Butyl Ether are outside control limits.

Matrix Spike Recovery(s) for Ethylbenzene, m,p-Xylene, o-Xylene, Toluene, Xylene (total) are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Ethylbenzene, m,p-Xylene, Methyl Tert Butyl Ether, Toluene, Xylene (total) are outside control limits. Probable cause is due to matrix interference.

Matrix Spike/Matrix Spike Duplicate Recovery(s) for Vinyl Chloride are outside control limits. Outside control limits due to high level in sample relative to spike amount.

FA98431-8 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98431-8 for Methyl Tert Butyl Ether: Associated BS outside DOD QSM control limits high, sample is ND.

FA98431-8: Sample vial(s) contained bubbles greater than 6mm.

FA98431-9 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98431-9 for Methyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98431-9 for Methyl Tert Butyl Ether: Associated BS outside DOD QSM control limits high, sample is ND.

FA98431-9 for Trichlorofluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98431-11 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98431-11 for Methyl Tert Butyl Ether: Associated BS outside DOD QSM control limits high, sample is ND.

FA98431-11: Sample vial(s) contained bubbles greater than 6mm.

Matrix: AQ **Batch ID:** V2P3568

Sample(s) FA98431-6MS, FA98431-6MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Methyl Tert Butyl Ether are outside control limits.

Matrix Spike Recovery(s) for 1,1-Dichloroethane, Methyl Tert Butyl Ether are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,1-Dichloroethane, Methyl Tert Butyl Ether are outside control limits. Probable cause is due to matrix interference.

For Sample(s) FA98431-10, FA98431-6 are associated with a blank spike that has a recovery for Methyl Tert Butyl Ether outside DOD QSM control limits.

FA98431-6 for Methyl Tert Butyl Ether: Associated BS recovery outside DOD QSM control limits high, sample is ND.

FA98431-6 for Dichlorodifluoromethane: Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.

FA98431-6 for Trichlorofluoromethane: Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.

FA98431-6 for Methyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98431-6 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FA98431-10: Sample vial(s) contained bubbles greater than 6mm.

FA98431-10 for Dichlorodifluoromethane: Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.

FA98431-10 for Methyl Tert Butyl Ether: Associated BS recovery outside DOD QSM control limits high, sample is ND.

FA98431-10 for Methyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

Matrix: AQ **Batch ID:** VO2808

Sample(s) FA98452-2MS, FA98452-2MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 1,3-Dichloropropane, Bromobenzene, Dibromochloromethane, Methyl Bromide, n-Butylbenzene, p-Chlorotoluene are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,3-Dichloropropane, n-Butylbenzene are outside control limits. Probable cause is due to matrix interference.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** VO2808

FA98431-1 for Chloroethane: Associated CCV outside of DOD QSM control limits high, sample is ND.
FA98431-1 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.
FA98431-2 for Chloroethane: Associated CCV outside of DOD QSM control limits high, sample is ND.
FA98431-2 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.
FA98431-3 for Chloroethane: Associated CCV outside of DOD QSM control limits high, sample is ND.
FA98431-3: Sample vial(s) contained bubbles greater than 6mm.
FA98431-4 for Chloroethane: Associated CCV outside of DOD QSM control limits high, sample is ND.
FA98431-4 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.
FA98431-5 for Chloroethane: Associated CCV outside of DOD QSM control limits high, sample is ND.
FA98431-5 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.
FA98431-7 for Chloroethane: Associated CCV outside of DOD QSM control limits high, sample is ND.
FA98431-7 for Dichlorodifluoromethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

Matrix: AQ **Batch ID:** VY2672

Sample(s) FA98458-1MS, FA98458-1MSD were used as the QC samples indicated.

GC Volatiles By Method RSKSOP-147/175

Matrix: AQ **Batch ID:** GLL2747

Sample(s) FA98431-6DUP, FA98431-6MS were used as the QC samples indicated.

Matrix: AQ **Batch ID:** GLL2748

Sample(s) FA98485-1DUP, FA98485-2MS were used as the QC samples indicated.

General Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP38002

Sample(s) FA98431-5MS, FA98431-5MSD were used as the QC samples for Sulfate.

Matrix: AQ **Batch ID:** GP38007

Sample(s) FA98431-6MS, FA98431-6MSD were used as the QC samples for Sulfate.

General Chemistry By Method SM5310 B-11/SW9060A

Matrix: AQ **Batch ID:** GP37990

Sample(s) FA98431-6MS, FA98431-6MSD were used as the QC samples for Total Organic Carbon.

Matrix: AQ **Batch ID:** GP37995

Sample(s) FA98431-6FMS, FA98431-6FMSD were used as the QC samples for Dissolved Organic Carbon.
FA98431-11F for Dissolved Organic Carbon: Sample was filtered in the lab prior to analysis.
FA98431-1F for Dissolved Organic Carbon: Sample was filtered in the lab prior to analysis.
FA98431-2F for Dissolved Organic Carbon: Sample was filtered in the lab prior to analysis.
FA98431-3F for Dissolved Organic Carbon: Sample was filtered in the lab prior to analysis.
FA98431-4F for Dissolved Organic Carbon: Sample was filtered in the lab prior to analysis.
FA98431-5F for Dissolved Organic Carbon: Sample was filtered in the lab prior to analysis.
FA98431-6F for Dissolved Organic Carbon: Sample was filtered in the lab prior to analysis.
FA98431-7F for Dissolved Organic Carbon: Sample was filtered in the lab prior to analysis.
FA98431-8F for Dissolved Organic Carbon: Sample was filtered in the lab prior to analysis.
FA98431-9F for Dissolved Organic Carbon: Sample was filtered in the lab prior to analysis.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA98431-1	**B817-MW-002-0822**					
cis-1,2-Dichloroethylene		5.0	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		5.0	2.0	1.0	ug/l	SW846 8260D
Tetrachloroethylene		0.34 J	1.0	0.50	ug/l	SW846 8260D
Trichloroethylene		1.7	1.0	0.50	ug/l	SW846 8260D
Methane		8740	5.0	2.5	ug/l	RSKSOP-147/175
Total Organic Carbon		0.82 J	2.0	1.0	mg/l	SM5310 B-11/SW9060A
FA98431-1F	**B817-MW-002-0822**					
Dissolved Organic Carbon [a]		1.1	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98431-2	**B817-MW-003-0822**					
cis-1,2-Dichloroethylene		5.8	1.0	0.50	ug/l	SW846 8260D
trans-1,2-Dichloroethylene		2.2	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		7.9	2.0	1.0	ug/l	SW846 8260D
Trichloroethylene		2.4	1.0	0.50	ug/l	SW846 8260D
Methane		5470	5.0	2.5	ug/l	RSKSOP-147/175
Sulfate		3.5	2.0	1.0	mg/l	EPA 300/SW846 9056A
FA98431-2F	**B817-MW-003-0822**					
Dissolved Organic Carbon [a]		0.79 J	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98431-3	**WSA-MW16-0822**					
cis-1,2-Dichloroethylene [b]		47.7	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total) [b]		47.7	2.0	1.0	ug/l	SW846 8260D
Tetrachloroethylene [b]		7.7	1.0	0.50	ug/l	SW846 8260D
Trichloroethylene [b]		23.9	1.0	0.50	ug/l	SW846 8260D
Methane		12000	10	5.0	ug/l	RSKSOP-147/175
Total Organic Carbon		0.83 J	2.0	1.0	mg/l	SM5310 B-11/SW9060A
FA98431-3F	**WSA-MW16-0822**					
Dissolved Organic Carbon [a]		1.0	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98431-4	**WSA-MW18-0822**					
cis-1,2-Dichloroethylene		3.1	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		3.1	2.0	1.0	ug/l	SW846 8260D
Tetrachloroethylene		12.5	1.0	0.50	ug/l	SW846 8260D
Trichloroethylene		20.3	1.0	0.50	ug/l	SW846 8260D

Summary of Hits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
Methane		9.0	0.50	0.25	ug/l	RSKSOP-147/175
Sulfate		4.0	2.0	1.0	mg/l	EPA 300/SW846 9056A
FA98431-4F	**WSA-MW18-0822**					
Dissolved Organic Carbon [a]		0.96 J	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98431-5	**WSA-MW19-0822**					
cis-1,2-Dichloroethylene		49.1	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		49.1	2.0	1.0	ug/l	SW846 8260D
Trichloroethylene		5.3	1.0	0.50	ug/l	SW846 8260D
Methane		291	0.50	0.25	ug/l	RSKSOP-147/175
Sulfate		4.0	2.0	1.0	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		0.69 J	2.0	1.0	mg/l	SM5310 B-11/SW9060A
FA98431-5F	**WSA-MW19-0822**					
Dissolved Organic Carbon [a]		0.75 J	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98431-6	**WSA-MW21-0822**					
cis-1,2-Dichloroethylene		1.3	1.0	0.50	ug/l	SW846 8260D
trans-1,2-Dichloroethylene		0.44 J	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		1.7 J	2.0	1.0	ug/l	SW846 8260D
Methane		3930	5.0	2.5	ug/l	RSKSOP-147/175
FA98431-6F	**WSA-MW21-0822**					
Dissolved Organic Carbon [a]		0.45 J	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98431-7	**WSA-MW23-0822**					
Methane		1.5	0.50	0.25	ug/l	RSKSOP-147/175
Sulfate		4.6	2.0	1.0	mg/l	EPA 300/SW846 9056A
FA98431-7F	**WSA-MW23-0822**					
Dissolved Organic Carbon [a]		0.59 J	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98431-8	**WSA-MW9-0822**					
Methane		3900	5.0	2.5	ug/l	RSKSOP-147/175
Sulfate		6.7	2.0	1.0	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		1.2 J	2.0	1.0	mg/l	SM5310 B-11/SW9060A

Summary of Hits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA98431-8F	**WSA-MW9-0822**					
Dissolved Organic Carbon [a]		1.5	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98431-9	**WSA-VMW17-0822**					
cis-1,2-Dichloroethylene		35.3	1.0	0.50	ug/l	SW846 8260D
trans-1,2-Dichloroethylene		0.38 J	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		35.7	2.0	1.0	ug/l	SW846 8260D
Vinyl Chloride		14.7	1.0	0.50	ug/l	SW846 8260D
Methane		10300	5.0	2.5	ug/l	RSKSOP-147/175
Ethene		1.7	1.0	0.50	ug/l	RSKSOP-147/175
Sulfate		0.66 J	2.0	1.0	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		0.73 J	2.0	1.0	mg/l	SM5310 B-11/SW9060A
FA98431-9F	**WSA-VMW17-0822**					
Dissolved Organic Carbon [a]		0.86 J	1.0	0.50	mg/l	SM5310 B-11/SW9060A
FA98431-10	**WSA-TB01-0822**					
No hits reported in this sample.						
FA98431-11	**WSA-MW16-0822-A**					
cis-1,2-Dichloroethylene [b]		50.9	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total) [b]		50.9	2.0	1.0	ug/l	SW846 8260D
Tetrachloroethylene [b]		8.4	1.0	0.50	ug/l	SW846 8260D
Trichloroethylene [b]		23.9	1.0	0.50	ug/l	SW846 8260D
Methane		10100	10	5.0	ug/l	RSKSOP-147/175
Total Organic Carbon		0.84 J	2.0	1.0	mg/l	SM5310 B-11/SW9060A
FA98431-11F	**WSA-MW16-0822-A**					
Dissolved Organic Carbon [a]		1.1	1.0	0.50	mg/l	SM5310 B-11/SW9060A

(a) Sample was filtered in the lab prior to analysis.
(b) Sample vial(s) contained bubbles greater than 6mm.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	B817-MW-002-0822		
Lab Sample ID:	FA98431-1	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O70807.D	1	09/01/22 15:39	JL	n/a	n/a	VO2808
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	5.0	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	5.0	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	B817-MW-002-0822		
Lab Sample ID:	FA98431-1	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.34	1.0	0.50	0.22	ug/l	J
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	1.7	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%

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

Report of Analysis

Client Sample ID:	B817-MW-002-0822		
Lab Sample ID:	FA98431-1	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	B817-MW-002-0822		
Lab Sample ID:	FA98431-1	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL79101.D	1	08/30/22 13:47	KB	n/a	n/a	GLL2747
Run #2	LL79120.D	10	08/30/22 18:13	KB	n/a	n/a	GLL2747

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2	38.0 ml	5.0 ml	500 ul	20 Deg. C

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	8740 [a]	5.0	2.5	1.6	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

(a) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	B817-MW-002-0822		
Lab Sample ID:	FA98431-1	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	1.0 U	2.0	1.0	0.60	mg/l	1	09/02/22 04:46	JB	EPA 300/SW846 9056A
Total Organic Carbon	0.82 J	2.0	1.0	0.54	mg/l	1	08/29/22 18:25	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	B817-MW-002-0822		
Lab Sample ID:	FA98431-1F	**Date Sampled:**	08/25/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon [a]	1.1	1.0	0.50	0.27	mg/l	1	08/31/22 14:02	FN	SM5310 B-11/SW9060A

(a) Sample was filtered in the lab prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	B817-MW-003-0822		
Lab Sample ID:	FA98431-2	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O70808.D	1	09/01/22 16:04	JL	n/a	n/a	VO2808
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	5.8	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	2.2	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	7.9	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	B817-MW-003-0822		
Lab Sample ID:	FA98431-2	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	2.4	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%

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

Report of Analysis

Client Sample ID:	B817-MW-003-0822		
Lab Sample ID:	FA98431-2	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	B817-MW-003-0822		
Lab Sample ID:	FA98431-2	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL79102.D	1	08/30/22 14:58	KB	n/a	n/a	GLL2747
Run #2	LL79121.D	10	08/30/22 18:22	KB	n/a	n/a	GLL2747

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2	38.0 ml	5.0 ml	500 ul	20 Deg. C

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	5470 [a]	5.0	2.5	1.6	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

(a) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	B817-MW-003-0822		
Lab Sample ID:	FA98431-2	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	3.5	2.0	1.0	0.60	mg/l	1	09/02/22 05:07	JB	EPA 300/SW846 9056A
Total Organic Carbon	1.0 U	2.0	1.0	0.54	mg/l	1	08/29/22 18:48	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	B817-MW-003-0822		
Lab Sample ID:	FA98431-2F	**Date Sampled:**	08/25/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon [a]	0.79 J	1.0	0.50	0.27	mg/l	1	08/31/22 14:25	FN	SM5310 B-11/SW9060A

(a) Sample was filtered in the lab prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	WSA-MW16-0822		
Lab Sample ID:	FA98431-3	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	O70809.D	1	09/01/22 16:29	JL	n/a	n/a	VO2808
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [b]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	47.7	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	47.7	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	WSA-MW16-0822		
Lab Sample ID:	FA98431-3	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	7.7	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	23.9	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

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

Report of Analysis

Client Sample ID:	WSA-MW16-0822		
Lab Sample ID:	FA98431-3	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Sample vial(s) contained bubbles greater than 6mm.
(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	WSA-MW16-0822		
Lab Sample ID:	FA98431-3	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL79103.D	1	08/30/22 15:15	KB	n/a	n/a	GLL2747
Run #2	LL79138.D	20	08/31/22 12:49	KB	n/a	n/a	GLL2748

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2	38.0 ml	5.0 ml	500 ul	20 Deg. C

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	12000 [a]	10	5.0	3.2	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

(a) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	WSA-MW16-0822		
Lab Sample ID:	FA98431-3	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	1.0 U	2.0	1.0	0.60	mg/l	1	09/02/22 05:28	JB	EPA 300/SW846 9056A
Total Organic Carbon	0.83 J	2.0	1.0	0.54	mg/l	1	08/29/22 19:11	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	WSA-MW16-0822		
Lab Sample ID:	FA98431-3F	**Date Sampled:**	08/25/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon [a]	1.0	1.0	0.50	0.27	mg/l	1	08/31/22 14:48	FN	SM5310 B-11/SW9060A

(a) Sample was filtered in the lab prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	WSA-MW18-0822		
Lab Sample ID:	FA98431-4	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O70810.D	1	09/01/22 16:54	JL	n/a	n/a	VO2808
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.1	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	3.1	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	WSA-MW18-0822		
Lab Sample ID:	FA98431-4	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	12.5	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	20.3	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%

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

Report of Analysis

Client Sample ID:	WSA-MW18-0822		
Lab Sample ID:	FA98431-4	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	WSA-MW18-0822		
Lab Sample ID:	FA98431-4	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL79104.D	1	08/30/22 15:23	KB	n/a	n/a	GLL2747
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	9.0	0.50	0.25	0.16	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

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

Report of Analysis

Client Sample ID:	WSA-MW18-0822		
Lab Sample ID:	FA98431-4	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	4.0	2.0	1.0	0.60	mg/l	1	09/02/22 05:49	JB	EPA 300/SW846 9056A
Total Organic Carbon	1.0 U	2.0	1.0	0.54	mg/l	1	08/29/22 19:34	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	WSA-MW18-0822		
Lab Sample ID:	FA98431-4F	**Date Sampled:**	08/25/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon [a]	0.96 J	1.0	0.50	0.27	mg/l	1	08/31/22 15:11	FN	SM5310 B-11/SW9060A

(a) Sample was filtered in the lab prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID: WSA-MW19-0822
Lab Sample ID: FA98431-5
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/25/22
Date Received: 08/26/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O70811.D	1	09/01/22 17:19	JL	n/a	n/a	VO2808
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	49.1	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	49.1	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	WSA-MW19-0822		
Lab Sample ID:	FA98431-5	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	5.3	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%

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

Report of Analysis

Client Sample ID:	WSA-MW19-0822		
Lab Sample ID:	FA98431-5	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	WSA-MW19-0822		
Lab Sample ID:	FA98431-5	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL79105.D	1	08/30/22 15:31	KB	n/a	n/a	GLL2747
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	291	0.50	0.25	0.16	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSA-MW19-0822		
Lab Sample ID:	FA98431-5	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	4.0	2.0	1.0	0.60	mg/l	1	09/02/22 06:10	JB	EPA 300/SW846 9056A
Total Organic Carbon	0.69 J	2.0	1.0	0.54	mg/l	1	08/29/22 19:56	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	WSA-MW19-0822		
Lab Sample ID:	FA98431-5F	**Date Sampled:**	08/25/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon [a]	0.75 J	1.0	0.50	0.27	mg/l	1	08/31/22 15:34	FN	SM5310 B-11/SW9060A

(a) Sample was filtered in the lab prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	WSA-MW21-0822		
Lab Sample ID:	FA98431-6	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P92673.D	1	09/06/22 15:50	CF	n/a	n/a	V2P3568
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.3	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.44	1.0	0.50	0.22	ug/l	J
540-59-0	1,2-Dichloroethene (total)	1.7	2.0	1.0	0.50	ug/l	J
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	WSA-MW21-0822		
Lab Sample ID:	FA98431-6	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride [b]	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether [c]	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride [b]	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%

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

Report of Analysis

Client Sample ID:	WSA-MW21-0822		
Lab Sample ID:	FA98431-6	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.
(b) Associated CCV outside of DOD QSM control limits high, sample is ND.
(c) Associated BS recovery outside DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	WSA-MW21-0822		
Lab Sample ID:	FA98431-6	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL79106.D	1	08/30/22 15:44	KB	n/a	n/a	GLL2747
Run #2	LL79109.D	10	08/30/22 16:18	KB	n/a	n/a	GLL2747

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2	38.0 ml	5.0 ml	500 ul	20 Deg. C

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	3930 [a]	5.0	2.5	1.6	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

(a) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	WSA-MW21-0822		
Lab Sample ID:	FA98431-6	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	1.0 U	2.0	1.0	0.60	mg/l	1	09/03/22 06:57	JB	EPA 300/SW846 9056A
Total Organic Carbon	1.0 U	2.0	1.0	0.54	mg/l	1	08/29/22 20:19	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	WSA-MW21-0822		
Lab Sample ID:	FA98431-6F	**Date Sampled:**	08/25/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon [a]	0.45 J	1.0	0.50	0.27	mg/l	1	08/31/22 17:05	FN	SM5310 B-11/SW9060A

(a) Sample was filtered in the lab prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	WSA-MW23-0822		
Lab Sample ID:	FA98431-7	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O70812.D	1	09/01/22 17:44	JL	n/a	n/a	VO2808
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [a]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [a]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	WSA-MW23-0822		
Lab Sample ID:	FA98431-7	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%

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

Report of Analysis

Client Sample ID:	WSA-MW23-0822		
Lab Sample ID:	FA98431-7	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	WSA-MW23-0822		
Lab Sample ID:	FA98431-7	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL79112.D	1	08/30/22 16:52	KB	n/a	n/a	GLL2747
Run #2							

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2				

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	1.5	0.50	0.25	0.16	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

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

Report of Analysis

Client Sample ID:	WSA-MW23-0822		
Lab Sample ID:	FA98431-7	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	4.6	2.0	1.0	0.60	mg/l	1	09/02/22 08:16	JB	EPA 300/SW846 9056A
Total Organic Carbon	1.0 U	2.0	1.0	0.54	mg/l	1	08/29/22 22:14	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	WSA-MW23-0822		
Lab Sample ID:	FA98431-7F	**Date Sampled:**	08/25/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon [a]	0.59 J	1.0	0.50	0.27	mg/l	1	08/31/22 15:57	FN	SM5310 B-11/SW9060A

(a) Sample was filtered in the lab prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	WSA-MW9-0822		
Lab Sample ID:	FA98431-8	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2P92619.D	1	09/01/22 17:53	CF	n/a	n/a	V2P3567
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [b]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	WSA-MW9-0822		
Lab Sample ID:	FA98431-8	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride [b]	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether [c]	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane [b]	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride [b]	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%

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

Report of Analysis

Client Sample ID:	WSA-MW9-0822		
Lab Sample ID:	FA98431-8	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Sample vial(s) contained bubbles greater than 6mm.
(b) Associated CCV outside of DOD QSM control limits high, sample is ND.
(c) Associated BS outside DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID: WSA-MW9-0822
Lab Sample ID: FA98431-8
Matrix: AQ - Ground Water
Method: RSKSOP-147/175
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/25/22
Date Received: 08/26/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL79113.D	1	08/30/22 17:00	KB	n/a	n/a	GLL2747
Run #2	LL79130.D	10	08/31/22 09:33	KB	n/a	n/a	GLL2748

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2	38.0 ml	5.0 ml	500 ul	20 Deg. C

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	3900 [a]	5.0	2.5	1.6	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSA-MW9-0822		
Lab Sample ID:	FA98431-8	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	6.7	2.0	1.0	0.60	mg/l	1	09/02/22 08:37	JB	EPA 300/SW846 9056A
Total Organic Carbon	1.2 J	2.0	1.0	0.54	mg/l	1	08/29/22 22:37	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	WSA-MW9-0822		
Lab Sample ID:	FA98431-8F	**Date Sampled:**	08/25/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon [a]	1.5	1.0	0.50	0.27	mg/l	1	08/31/22 18:15	FN	SM5310 B-11/SW9060A

(a) Sample was filtered in the lab prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	WSA-VMW17-0822		
Lab Sample ID:	FA98431-9	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P92621.D	1	09/01/22 18:26	CF	n/a	n/a	V2P3567
Run #2	Y64462.D	1	09/03/22 13:44	AL	n/a	n/a	VY2672

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U [a]	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [b]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	35.3	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.38	1.0	0.50	0.22	ug/l	J
540-59-0	1,2-Dichloroethene (total)	35.7	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	WSA-VMW17-0822		
Lab Sample ID:	FA98431-9	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride [b]	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether [c]	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane [b]	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	14.7 [a]	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	94%	83-118%

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

Report of Analysis

Client Sample ID:	WSA-VMW17-0822		
Lab Sample ID:	FA98431-9	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%	103%	79-125%
2037-26-5	Toluene-D8	100%	99%	85-112%
460-00-4	4-Bromofluorobenzene	99%	93%	83-118%

(a) Result is from Run# 2
(b) Associated CCV outside of DOD QSM control limits high, sample is ND.
(c) Associated BS outside DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	WSA-VMW17-0822		
Lab Sample ID:	FA98431-9	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL79114.D	1	08/30/22 17:09	KB	n/a	n/a	GLL2747
Run #2	LL79131.D	10	08/31/22 10:21	KB	n/a	n/a	GLL2748

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2	38.0 ml	5.0 ml	500 ul	20 Deg. C

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	10300 [a]	5.0	2.5	1.6	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	1.7	1.0	0.50	0.43	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSA-VMW17-0822		
Lab Sample ID:	FA98431-9	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	0.66 J	2.0	1.0	0.60	mg/l	1	09/02/22 07:13	JB	EPA 300/SW846 9056A
Total Organic Carbon	0.73 J	2.0	1.0	0.54	mg/l	1	08/29/22 23:00	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	WSA-VMW17-0822		
Lab Sample ID:	FA98431-9F	**Date Sampled:**	08/25/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon [a]	0.86 J	1.0	0.50	0.27	mg/l	1	08/31/22 18:37	FN	SM5310 B-11/SW9060A

(a) Sample was filtered in the lab prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS North America Inc.

Report of Analysis

Client Sample ID:	WSA-TB01-0822		
Lab Sample ID:	FA98431-10	**Date Sampled:**	08/25/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2P92667.D	1	09/06/22 14:14	CF	n/a	n/a	V2P3568
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [b]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	WSA-TB01-0822		
Lab Sample ID:	FA98431-10	**Date Sampled:**	08/25/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride [c]	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether [d]	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane [b]	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride [c]	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%

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

Report of Analysis

Client Sample ID:	WSA-TB01-0822		
Lab Sample ID:	FA98431-10	**Date Sampled:**	08/25/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

(a) Sample vial(s) contained bubbles greater than 6mm.
(b) Associated CCV and ECC outside of DOD QSM control limits high, sample is ND.
(c) Associated CCV outside of DOD QSM control limits high, sample is ND.
(d) Associated BS recovery outside DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID: WSA-MW16-0822-A
Lab Sample ID: FA98431-11
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/25/22
Date Received: 08/26/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2P92623.D	1	09/01/22 18:58	CF	n/a	n/a	V2P3567
Run #2	Y64463.D	1	09/03/22 14:09	AL	n/a	n/a	VY2672

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane [b]	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	50.9	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	50.9	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID: WSA-MW16-0822-A
Lab Sample ID: FA98431-11
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/25/22
Date Received: 08/26/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride [b]	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether [c]	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	8.4	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	23.9	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane [b]	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U [d]	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	97%	83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSA-MW16-0822-A		
Lab Sample ID:	FA98431-11	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%	106%	79-125%
2037-26-5	Toluene-D8	98%	100%	85-112%
460-00-4	4-Bromofluorobenzene	98%	93%	83-118%

(a) Sample vial(s) contained bubbles greater than 6mm.
(b) Associated CCV outside of DOD QSM control limits high, sample is ND.
(c) Associated BS outside DOD QSM control limits high, sample is ND.
(d) Result is from Run# 2

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	WSA-MW16-0822-A		
Lab Sample ID:	FA98431-11	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL79115.D	1	08/30/22 17:17	KB	n/a	n/a	GLL2747
Run #2	LL79139.D	20	08/31/22 12:58	KB	n/a	n/a	GLL2748

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	38.0 ml	5.0 ml	500 ul	20 Deg. C
Run #2	38.0 ml	5.0 ml	500 ul	20 Deg. C

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
74-82-8	Methane	10100 [a]	10	5.0	3.2	ug/l	
74-84-0	Ethane	0.50 U	1.0	0.50	0.32	ug/l	
74-85-1	Ethene	0.50 U	1.0	0.50	0.43	ug/l	

(a) Result is from Run# 2

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSA-MW16-0822-A		
Lab Sample ID:	FA98431-11	**Date Sampled:**	08/25/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Sulfate	1.0 U	2.0	1.0	0.60	mg/l	1	09/03/22 08:42	JB	EPA 300/SW846 9056A
Total Organic Carbon	0.84 J	2.0	1.0	0.54	mg/l	1	08/29/22 23:22	FN	SM5310 B-11/SW9060A

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	WSA-MW16-0822-A		
Lab Sample ID:	FA98431-11F	**Date Sampled:**	08/25/22
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/26/22
		Percent Solids:	n/a
Project:	Griffiss AFB; Rome, NY		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Dissolved Organic Carbon [a]	1.1	1.0	0.50	0.27	mg/l	1	08/31/22 19:00	FN	SM5310 B-11/SW9060A

(a) Sample was filtered in the lab prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

CHAIN-OF-CUSTODY RECORD

Bhate Environmental Associates, Inc.
Frank Gardner
445 Union Boulevard, Suite 129 Lakewood, CO 80228
Please add area code, 720.463.3903, , add e-mail

COC # 10SD0525GWQ3

FA98431

Project Name: Griffiss Air Force Base, BECOS	Laboratory: SGS North America, Inc., Orlando, FL	Event: 2022 Griffiss Petro Q3
Project Number: GRFIS-BECOS	POC: Please insert point of contact, insert laboratory phone number, insert email	
WBS Code:	Ship to:	

Comments:
RSK175 (A) = Dissolved Gases
SW8260D (A) = VOCs Water SGS
SW9056A (A) = Anions
SW9060A (A) = TOC and DOC

Equipment: Peripump only. No EB needed as no equipment was reused amongst samples.

Code	Matrix
WG	Ground Water
WQ	Water Quality Control Matrix

Code	Container/Preservative
1	1x 500 mL plastic, Cool 0° to 6°C
10	3x 40 mL glass volatile vials, HCl to pH < 2, Cool to 0-6 °C; no headspace
31	3x 40 mL glass volatile vials, HCl to pH < 2, Cool to 0-6 °C; no headspace
47	2x 40 mL amber vials, HCl to pH < 2

	Analytical Test Method	RSK175 (A)	SW8260D (A)	SW9056A (A)	SW9060A (A)												
	Event: 2022 Griffiss Petro Q3	10	31	1	47												
	Sample ID	Matrix	Date	Time	Samp Init.								Location ID	Sample Type	Depth (ft bgs) Top	Depth (ft bgs) Bottom	Cooler	Comments
1	B817-MW-002-0822	WG	8/25/22	0815	NB	X	X	X	X				B817-MW-002	N1	10.00	20.00	1	
2	B817-MW-003-0822	WG	8/25/22	0900	BP	X	X	X	X				B817-MW-003	N1	10.00	20.00	1	
3	WSA-MW16-0822	WG	8/25/22	1045	BP	X	X	X	X				WSA-MW16	N1	10.00	20.00	1	
4	WSA-MW18-0822	WG	8/25/22	0945	NB	X	X	X	X				WSA-MW18	N1	11.00	16.00	1	
5	WSA-MW19-0822	WG	8/25/22	1410	NB	X	X	X	X				WSA-MW19	N1	13.00	18.00	1	
6	WSA-MW21-0822	WG	8/25/22	1405	BP	X	X	X	X				WSA-MW21	N1	15.00	25.00	1	
7	WSA-MW23-0822	WG	8/25/22	1125	NB	X	X	X	X				WSA-MW23	N1	15.00	25.00	1	
8	WSAMW-9-0822	WG	8/25/22	1250	BP	X	X	X	X				WSAMW-9	N1	3.00	8.00	1	
9	WSA-VMW17-0822	WG	8/25/22	1320	NB	X	X	X	X				WL-WSAVMW-17	N1	15.00	25.00	1	
10	WSA-TBCI-0822-C	WQ	8/25/22	0730	BP		X						FIELDQC	TB5	0.00	0.00	1	
BP	~~D~~	~~WQ~~				~~X~~	~~X~~	~~X~~	~~X~~				~~FIELDQC~~	~~EB5~~	~~0.00~~	~~0.00~~	~~1~~	BP
11	WSA-MW16-0822-A	WG	8/25/22	1045	BP	X	X	X	X					FD5	0.00	0.00	1	
MS	12 WSA-MW21-0822-MS	WG	8/25/22	1405	BP	X	X	X	X					MS5	0.00	0.00	1	
SD	13 WSA-MW21-0822-SD	WG	8/25/22	1405	BP	X	X	X	X					SD5	0.00	0.00	1	

Turnaround Time: NA

SM 8/25

INITIAL ASSESSMENT ZB

LABEL VERIFICATION

3.2 CIRC

Relinquished by: *(Signature)* Brianna Pollard (ECC)
Date 8/25/22
Time 1730
Received by: *(Signature)* FedEx
SD0525GWQ3

Date 8/26/22
Time 900
Shipping Date:
Received by Laboratory: *(Signature, Date, Time)* & conditio

SGS Sample Receipt Summary

Job Number: FA98431 **Client:** BHATE **Project:** GRIFFIS AFB

Date / Time Received: 8/26/2022 9:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 5700 7353 7912

Therm ID: IR 1; **Therm CF:** 0.6; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (3.2);

Cooler Temps (Corrected) °C: Cooler 1: (3.8);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☑		☐	☐

	W	or	S	N/A
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☑		☐	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments REQUESTED ANALYSIS ON COC IS "SW9056A", BUT BOTTLE LABELS ONLY REQUEST "SO4" ANALYSIS.
FOR SAMPLE -1, ID: "B817-MW-002-0822", ONE VIAL RECEIVED WITH HEADSPACE.
FOR SAMPLE -3, ID: "WSA-MW16-0822", ONE VIAL RECEIVED WITH HEADSPACE.
FOR SAMPLE -6, ID: "WSA-MW21-0822", TWO VIALS RECEIVED BROKEN. TWO VIALS RECEIVED WITH HEADPSACE.
FOR SAMPLE -11, ID: "WSA-MW16-0822-A", THREE VIALS RECEIVED WITH HEADSPACE.

SM001
Rev. Date 05/24/17

Technician: SAMUELM Date: 8/26/2022 9:00:00 AM Reviewer: _____ Date: _____

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V2P3567	SW846 8260D						
V2P3567-BS	67-64-1	Acetone	BSP	REC	110	%	39-160
V2P3567-BS	71-43-2	Benzene	BSP	REC	107	%	79-120
V2P3567-BS	108-86-1	Bromobenzene	BSP	REC	94	%	80-120
V2P3567-BS	74-97-5	Bromochloromethane	BSP	REC	101	%	78-123
V2P3567-BS	75-27-4	Bromodichloromethane	BSP	REC	105	%	79-125
V2P3567-BS	75-25-2	Bromoform	BSP	REC	95	%	66-130
V2P3567-BS	78-93-3	2-Butanone (MEK)	BSP	REC	109	%	56-143
V2P3567-BS	104-51-8	n-Butylbenzene	BSP	REC	98	%	75-128
V2P3567-BS	135-98-8	sec-Butylbenzene	BSP	REC	107	%	77-126
V2P3567-BS	98-06-6	tert-Butylbenzene	BSP	REC	101	%	78-124
V2P3567-BS	75-15-0	Carbon Disulfide	BSP	REC	94	%	64-133
V2P3567-BS	56-23-5	Carbon Tetrachloride	BSP	REC	111	%	72-136
V2P3567-BS	108-90-7	Chlorobenzene	BSP	REC	101	%	82-118
V2P3567-BS	75-00-3	Chloroethane	BSP	REC	96	%	60-138
V2P3567-BS	67-66-3	Chloroform	BSP	REC	109	%	79-124
V2P3567-BS	95-49-8	o-Chlorotoluene	BSP	REC	98	%	79-122
V2P3567-BS	106-43-4	p-Chlorotoluene	BSP	REC	98	%	78-122
V2P3567-BS	124-48-1	Dibromochloromethane	BSP	REC	96	%	74-126
V2P3567-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	88	%	62-128
V2P3567-BS	106-93-4	1,2-Dibromoethane	BSP	REC	100	%	77-121
V2P3567-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	106	%	32-152
V2P3567-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	99	%	80-119
V2P3567-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	100	%	80-119
V2P3567-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	97	%	79-118
V2P3567-BS	75-34-3	1,1-Dichloroethane	BSP	REC	113	%	77-125
V2P3567-BS	107-06-2	1,2-Dichloroethane	BSP	REC	104	%	73-128
V2P3567-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	117	%	71-131
V2P3567-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	108	%	78-123
V2P3567-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	111	%	75-124
V2P3567-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	109	%	79-121
V2P3567-BS	78-87-5	1,2-Dichloropropane	BSP	REC	100	%	78-122
V2P3567-BS	142-28-9	1,3-Dichloropropane	BSP	REC	92	%	80-119
V2P3567-BS	594-20-7	2,2-Dichloropropane	BSP	REC	104	%	60-139
V2P3567-BS	563-58-6	1,1-Dichloropropene	BSP	REC	110	%	79-125
V2P3567-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	104	%	75-124
V2P3567-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	105	%	73-127
V2P3567-BS	100-41-4	Ethylbenzene	BSP	REC	103	%	79-121
V2P3567-BS	87-68-3	Hexachlorobutadiene	BSP	REC	105	%	66-134
V2P3567-BS	591-78-6	2-Hexanone	BSP	REC	104	%	57-139
V2P3567-BS	98-82-8	Isopropylbenzene	BSP	REC	106	%	72-131
V2P3567-BS	99-87-6	p-Isopropyltoluene	BSP	REC	107	%	77-127
V2P3567-BS	74-83-9	Methyl Bromide	BSP	REC	90	%	53-141

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V2P3567-BS	74-87-3	Methyl Chloride	BSP	REC	106	%	50-139
V2P3567-BS	74-95-3	Methylene Bromide	BSP	REC	100	%	79-123
V2P3567-BS	75-09-2	Methylene Chloride	BSP	REC	92	%	74-124
V2P3567-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	101	%	67-130
V2P3567-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	123	%	71-124
V2P3567-BS	91-20-3	Naphthalene	BSP	REC	96	%	61-128
V2P3567-BS	103-65-1	n-Propylbenzene	BSP	REC	100	%	76-126
V2P3567-BS	100-42-5	Styrene	BSP	REC	102	%	78-123
V2P3567-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	101	%	78-124
V2P3567-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	96	%	71-121
V2P3567-BS	127-18-4	Tetrachloroethylene	BSP	REC	107	%	74-129
V2P3567-BS	108-88-3	Toluene	BSP	REC	100	%	80-121
V2P3567-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	99	%	69-129
V2P3567-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	96	%	69-130
V2P3567-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	112	%	74-131
V2P3567-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	100	%	80-119
V2P3567-BS	79-01-6	Trichloroethylene	BSP	REC	104	%	79-123
V2P3567-BS	75-69-4	Trichlorofluoromethane	BSP	REC	123	%	65-141
V2P3567-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	90	%	73-122
V2P3567-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	100	%	76-124
V2P3567-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	97	%	75-124
V2P3567-BS	108-05-4	Vinyl Acetate	BSP	REC	103	%	54-146
V2P3567-BS	75-01-4	Vinyl Chloride	BSP	REC	112	%	58-137
V2P3567-BS		m,p-Xylene	BSP	REC	102	%	80-121
V2P3567-BS	95-47-6	o-Xylene	BSP	REC	103	%	78-122
V2P3567-BS	1330-20-7	Xylene (total)	BSP	REC	102	%	79-121
V2P3567-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	80-119
V2P3567-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	102	%	81-118
V2P3567-BS	2037-26-5	Toluene-D8	BSP	SURR	97	%	89-112
V2P3567-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	98	%	85-114
FA98474-2MS*	67-64-1	Acetone	MS	REC	111	%	39-160
FA98474-2MS*	71-43-2	Benzene	MS	REC	100	%	79-120
FA98474-2MS*	108-86-1	Bromobenzene	MS	REC	89	%	80-120
FA98474-2MS*	74-97-5	Bromochloromethane	MS	REC	97	%	78-123
FA98474-2MS*	75-27-4	Bromodichloromethane	MS	REC	96	%	79-125
FA98474-2MS*	75-25-2	Bromoform	MS	REC	85	%	66-130
FA98474-2MS*	78-93-3	2-Butanone (MEK)	MS	REC	111	%	56-143
FA98474-2MS*	104-51-8	n-Butylbenzene	MS	REC	85	%	75-128
FA98474-2MS*	135-98-8	sec-Butylbenzene	MS	REC	97	%	77-126
FA98474-2MS*	98-06-6	tert-Butylbenzene	MS	REC	92	%	78-124
FA98474-2MS*	75-15-0	Carbon Disulfide	MS	REC	80	%	64-133
FA98474-2MS*	56-23-5	Carbon Tetrachloride	MS	REC	98	%	72-136
FA98474-2MS*	108-90-7	Chlorobenzene	MS	REC	96	%	82-118
FA98474-2MS*	75-00-3	Chloroethane	MS	REC	118	%	60-138
FA98474-2MS*	67-66-3	Chloroform	MS	REC	102	%	79-124

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98474-2MS*	95-49-8	o-Chlorotoluene	MS	REC	95	%	79-122
FA98474-2MS*	106-43-4	p-Chlorotoluene	MS	REC	92	%	78-122
FA98474-2MS*	124-48-1	Dibromochloromethane	MS	REC	88	%	74-126
FA98474-2MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	82	%	62-128
FA98474-2MS*	106-93-4	1,2-Dibromoethane	MS	REC	94	%	77-121
FA98474-2MS*	75-71-8	Dichlorodifluoromethane	MS	REC	145	%	32-152
FA98474-2MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	90	%	80-119
FA98474-2MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	93	%	80-119
FA98474-2MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	89	%	79-118
FA98474-2MS*	75-34-3	1,1-Dichloroethane	MS	REC	109	%	77-125
FA98474-2MS*	107-06-2	1,2-Dichloroethane	MS	REC	100	%	73-128
FA98474-2MS*	75-35-4	1,1-Dichloroethylene	MS	REC	109	%	71-131
FA98474-2MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	101	%	78-123
FA98474-2MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	104	%	75-124
FA98474-2MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	103	%	79-121
FA98474-2MS*	78-87-5	1,2-Dichloropropane	MS	REC	101	%	78-122
FA98474-2MS*	142-28-9	1,3-Dichloropropane	MS	REC	89	%	80-119
FA98474-2MS*	594-20-7	2,2-Dichloropropane	MS	REC	82	%	60-139
FA98474-2MS*	563-58-6	1,1-Dichloropropene	MS	REC	104	%	79-125
FA98474-2MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	89	%	75-124
FA98474-2MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	94	%	73-127
FA98474-2MS*	100-41-4	Ethylbenzene	MS	REC	63	%	79-121
FA98474-2MS*	87-68-3	Hexachlorobutadiene	MS	REC	81	%	66-134
FA98474-2MS*	591-78-6	2-Hexanone	MS	REC	105	%	57-139
FA98474-2MS*	98-82-8	Isopropylbenzene	MS	REC	97	%	72-131
FA98474-2MS*	99-87-6	p-Isopropyltoluene	MS	REC	98	%	77-127
FA98474-2MS*	74-83-9	Methyl Bromide	MS	REC	89	%	53-141
FA98474-2MS*	74-87-3	Methyl Chloride	MS	REC	135	%	50-139
FA98474-2MS*	74-95-3	Methylene Bromide	MS	REC	95	%	79-123
FA98474-2MS*	75-09-2	Methylene Chloride	MS	REC	86	%	74-124
FA98474-2MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	103	%	67-130
FA98474-2MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	116	%	71-124
FA98474-2MS*	91-20-3	Naphthalene	MS	REC	90	%	61-128
FA98474-2MS*	103-65-1	n-Propylbenzene	MS	REC	92	%	76-126
FA98474-2MS*	100-42-5	Styrene	MS	REC	92	%	78-123
FA98474-2MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	93	%	78-124
FA98474-2MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	94	%	71-121
FA98474-2MS*	127-18-4	Tetrachloroethylene	MS	REC	94	%	74-129
FA98474-2MS*	108-88-3	Toluene	MS	REC	50	%	80-121
FA98474-2MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	83	%	69-129
FA98474-2MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	82	%	69-130
FA98474-2MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	103	%	74-131
FA98474-2MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	96	%	80-119
FA98474-2MS*	79-01-6	Trichloroethylene	MS	REC	97	%	79-123
FA98474-2MS*	75-69-4	Trichlorofluoromethane	MS	REC	141	%	65-141

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98474-2MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	88	%	73-122
FA98474-2MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	88	%	76-124
FA98474-2MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	88	%	75-124
FA98474-2MS*	108-05-4	Vinyl Acetate	MS	REC	101	%	54-146
FA98474-2MS*	75-01-4	Vinyl Chloride	MS	REC	-122 [a]	%	58-137
FA98474-2MS*		m,p-Xylene	MS	REC	60	%	80-121
FA98474-2MS*	95-47-6	o-Xylene	MS	REC	73	%	78-122
FA98474-2MS*	1330-20-7	Xylene (total)	MS	REC	64	%	79-121
FA98474-2MS*	1868-53-7	Dibromofluoromethane	MS	SURR	98	%	80-119
FA98474-2MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	100	%	81-118
FA98474-2MS*	2037-26-5	Toluene-D8	MS	SURR	97	%	89-112
FA98474-2MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	98	%	85-114
FA98474-2MSD*	67-64-1	Acetone	MSD	REC	110	%	39-160
FA98474-2MSD*	67-64-1	Acetone	MSD	RPD	1	%	20
FA98474-2MSD*	71-43-2	Benzene	MSD	REC	104	%	79-120
FA98474-2MSD*	71-43-2	Benzene	MSD	RPD	3	%	20
FA98474-2MSD*	108-86-1	Bromobenzene	MSD	REC	93	%	80-120
FA98474-2MSD*	108-86-1	Bromobenzene	MSD	RPD	4	%	20
FA98474-2MSD*	74-97-5	Bromochloromethane	MSD	REC	98	%	78-123
FA98474-2MSD*	74-97-5	Bromochloromethane	MSD	RPD	2	%	20
FA98474-2MSD*	75-27-4	Bromodichloromethane	MSD	REC	101	%	79-125
FA98474-2MSD*	75-27-4	Bromodichloromethane	MSD	RPD	4	%	20
FA98474-2MSD*	75-25-2	Bromoform	MSD	REC	87	%	66-130
FA98474-2MSD*	75-25-2	Bromoform	MSD	RPD	2	%	20
FA98474-2MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	111	%	56-143
FA98474-2MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	0	%	20
FA98474-2MSD*	104-51-8	n-Butylbenzene	MSD	REC	92	%	75-128
FA98474-2MSD*	104-51-8	n-Butylbenzene	MSD	RPD	7	%	20
FA98474-2MSD*	135-98-8	sec-Butylbenzene	MSD	REC	102	%	77-126
FA98474-2MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	5	%	20
FA98474-2MSD*	98-06-6	tert-Butylbenzene	MSD	REC	98	%	78-124
FA98474-2MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	6	%	20
FA98474-2MSD*	75-15-0	Carbon Disulfide	MSD	REC	86	%	64-133
FA98474-2MSD*	75-15-0	Carbon Disulfide	MSD	RPD	7	%	20
FA98474-2MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	103	%	72-136
FA98474-2MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	5	%	20
FA98474-2MSD*	108-90-7	Chlorobenzene	MSD	REC	100	%	82-118
FA98474-2MSD*	108-90-7	Chlorobenzene	MSD	RPD	4	%	20
FA98474-2MSD*	75-00-3	Chloroethane	MSD	REC	115	%	60-138
FA98474-2MSD*	75-00-3	Chloroethane	MSD	RPD	2	%	20
FA98474-2MSD*	67-66-3	Chloroform	MSD	REC	106	%	79-124
FA98474-2MSD*	67-66-3	Chloroform	MSD	RPD	4	%	20
FA98474-2MSD*	95-49-8	o-Chlorotoluene	MSD	REC	100	%	79-122
FA98474-2MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	5	%	20
FA98474-2MSD*	106-43-4	p-Chlorotoluene	MSD	REC	97	%	78-122

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98474-2MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	6	%	20
FA98474-2MSD*	124-48-1	Dibromochloromethane	MSD	REC	90	%	74-126
FA98474-2MSD*	124-48-1	Dibromochloromethane	MSD	RPD	2	%	20
FA98474-2MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	83	%	62-128
FA98474-2MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	1	%	20
FA98474-2MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	96	%	77-121
FA98474-2MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	2	%	20
FA98474-2MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	143	%	32-152
FA98474-2MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	1	%	20
FA98474-2MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	94	%	80-119
FA98474-2MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	5	%	20
FA98474-2MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	98	%	80-119
FA98474-2MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	5	%	20
FA98474-2MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	94	%	79-118
FA98474-2MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	6	%	20
FA98474-2MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	113	%	77-125
FA98474-2MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	4	%	20
FA98474-2MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	101	%	73-128
FA98474-2MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	1	%	20
FA98474-2MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	113	%	71-131
FA98474-2MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	4	%	20
FA98474-2MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	105	%	78-123
FA98474-2MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	3	%	20
FA98474-2MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	108	%	75-124
FA98474-2MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	4	%	20
FA98474-2MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	107	%	79-121
FA98474-2MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	4	%	20
FA98474-2MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	101	%	78-122
FA98474-2MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	0	%	20
FA98474-2MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	92	%	80-119
FA98474-2MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	4	%	20
FA98474-2MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	84	%	60-139
FA98474-2MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	3	%	20
FA98474-2MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	108	%	79-125
FA98474-2MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	3	%	20
FA98474-2MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	93	%	75-124
FA98474-2MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	4	%	20
FA98474-2MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	98	%	73-127
FA98474-2MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	4	%	20
FA98474-2MSD*	100-41-4	Ethylbenzene	MSD	REC	72	%	79-121
FA98474-2MSD*	100-41-4	Ethylbenzene	MSD	RPD	5	%	20
FA98474-2MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	87	%	66-134
FA98474-2MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	7	%	20
FA98474-2MSD*	591-78-6	2-Hexanone	MSD	REC	107	%	57-139
FA98474-2MSD*	591-78-6	2-Hexanone	MSD	RPD	2	%	20

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98474-2MSD*	98-82-8	Isopropylbenzene	MSD	REC	101	%	72-131
FA98474-2MSD*	98-82-8	Isopropylbenzene	MSD	RPD	4	%	20
FA98474-2MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	104	%	77-127
FA98474-2MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	5	%	20
FA98474-2MSD*	74-83-9	Methyl Bromide	MSD	REC	92	%	53-141
FA98474-2MSD*	74-83-9	Methyl Bromide	MSD	RPD	3	%	20
FA98474-2MSD*	74-87-3	Methyl Chloride	MSD	REC	133	%	50-139
FA98474-2MSD*	74-87-3	Methyl Chloride	MSD	RPD	1	%	20
FA98474-2MSD*	74-95-3	Methylene Bromide	MSD	REC	95	%	79-123
FA98474-2MSD*	74-95-3	Methylene Bromide	MSD	RPD	0	%	20
FA98474-2MSD*	75-09-2	Methylene Chloride	MSD	REC	90	%	74-124
FA98474-2MSD*	75-09-2	Methylene Chloride	MSD	RPD	4	%	20
FA98474-2MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	103	%	67-130
FA98474-2MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	0	%	20
FA98474-2MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	120	%	71-124
FA98474-2MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	4	%	20
FA98474-2MSD*	91-20-3	Naphthalene	MSD	REC	94	%	61-128
FA98474-2MSD*	91-20-3	Naphthalene	MSD	RPD	5	%	20
FA98474-2MSD*	103-65-1	n-Propylbenzene	MSD	REC	98	%	76-126
FA98474-2MSD*	103-65-1	n-Propylbenzene	MSD	RPD	5	%	20
FA98474-2MSD*	100-42-5	Styrene	MSD	REC	96	%	78-123
FA98474-2MSD*	100-42-5	Styrene	MSD	RPD	4	%	20
FA98474-2MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	98	%	78-124
FA98474-2MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	6	%	20
FA98474-2MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	97	%	71-121
FA98474-2MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	3	%	20
FA98474-2MSD*	127-18-4	Tetrachloroethylene	MSD	REC	101	%	74-129
FA98474-2MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	7	%	20
FA98474-2MSD*	108-88-3	Toluene	MSD	REC	62	%	80-121
FA98474-2MSD*	108-88-3	Toluene	MSD	RPD	7	%	20
FA98474-2MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	91	%	69-129
FA98474-2MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	9	%	20
FA98474-2MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	91	%	69-130
FA98474-2MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	10	%	20
FA98474-2MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	106	%	74-131
FA98474-2MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	3	%	20
FA98474-2MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	99	%	80-119
FA98474-2MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	3	%	20
FA98474-2MSD*	79-01-6	Trichloroethylene	MSD	REC	99	%	79-123
FA98474-2MSD*	79-01-6	Trichloroethylene	MSD	RPD	2	%	20
FA98474-2MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	137	%	65-141
FA98474-2MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	3	%	20
FA98474-2MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	90	%	73-122
FA98474-2MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	3	%	20
FA98474-2MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	98	%	76-124

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98474-2MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	7	%	20
FA98474-2MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	93	%	75-124
FA98474-2MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	5	%	20
FA98474-2MSD*	108-05-4	Vinyl Acetate	MSD	REC	103	%	54-146
FA98474-2MSD*	108-05-4	Vinyl Acetate	MSD	RPD	2	%	20
FA98474-2MSD*	75-01-4	Vinyl Chloride	MSD	REC	-80 [a]	%	58-137
FA98474-2MSD*	75-01-4	Vinyl Chloride	MSD	RPD	13	%	20
FA98474-2MSD*		m,p-Xylene	MSD	REC	70	%	80-121
FA98474-2MSD*		m,p-Xylene	MSD	RPD	5	%	20
FA98474-2MSD*	95-47-6	o-Xylene	MSD	REC	80	%	78-122
FA98474-2MSD*	95-47-6	o-Xylene	MSD	RPD	4	%	20
FA98474-2MSD*	1330-20-7	Xylene (total)	MSD	REC	73	%	79-121
FA98474-2MSD*	1330-20-7	Xylene (total)	MSD	RPD	5	%	20
FA98474-2MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	100	%	80-119
FA98474-2MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	98	%	81-118
FA98474-2MSD*	2037-26-5	Toluene-D8	MSD	SURR	97	%	89-112
FA98474-2MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	98	%	85-114
V2P3567-MB	1868-53-7	Dibromofluoromethane	MB	SURR	95	%	80-119
V2P3567-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	102	%	81-118
V2P3567-MB	2037-26-5	Toluene-D8	MB	SURR	99	%	89-112
V2P3567-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	97	%	85-114
FA98431-8	1868-53-7	Dibromofluoromethane	SAMP	SURR	95	%	80-119
FA98431-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA98431-8	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98431-8	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FA98431-9	1868-53-7	Dibromofluoromethane	SAMP	SURR	95	%	80-119
FA98431-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA98431-9	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FA98431-9	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FA98431-11	1868-53-7	Dibromofluoromethane	SAMP	SURR	95	%	80-119
FA98431-11	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FA98431-11	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98431-11	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
V2P3568	SW846 8260D						
V2P3568-BS	67-64-1	Acetone	BSP	REC	107	%	39-160
V2P3568-BS	71-43-2	Benzene	BSP	REC	105	%	79-120
V2P3568-BS	108-86-1	Bromobenzene	BSP	REC	92	%	80-120
V2P3568-BS	74-97-5	Bromochloromethane	BSP	REC	100	%	78-123
V2P3568-BS	75-27-4	Bromodichloromethane	BSP	REC	104	%	79-125
V2P3568-BS	75-25-2	Bromoform	BSP	REC	97	%	66-130
V2P3568-BS	78-93-3	2-Butanone (MEK)	BSP	REC	106	%	56-143
V2P3568-BS	104-51-8	n-Butylbenzene	BSP	REC	95	%	75-128
V2P3568-BS	135-98-8	sec-Butylbenzene	BSP	REC	106	%	77-126

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V2P3568-BS	98-06-6	tert-Butylbenzene	BSP	REC	98	%	78-124
V2P3568-BS	75-15-0	Carbon Disulfide	BSP	REC	79	%	64-133
V2P3568-BS	56-23-5	Carbon Tetrachloride	BSP	REC	111	%	72-136
V2P3568-BS	108-90-7	Chlorobenzene	BSP	REC	100	%	82-118
V2P3568-BS	75-00-3	Chloroethane	BSP	REC	104	%	60-138
V2P3568-BS	67-66-3	Chloroform	BSP	REC	107	%	79-124
V2P3568-BS	95-49-8	o-Chlorotoluene	BSP	REC	94	%	79-122
V2P3568-BS	106-43-4	p-Chlorotoluene	BSP	REC	95	%	78-122
V2P3568-BS	124-48-1	Dibromochloromethane	BSP	REC	96	%	74-126
V2P3568-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	86	%	62-128
V2P3568-BS	106-93-4	1,2-Dibromoethane	BSP	REC	99	%	77-121
V2P3568-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	137	%	32-152
V2P3568-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	97	%	80-119
V2P3568-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	98	%	80-119
V2P3568-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	96	%	79-118
V2P3568-BS	75-34-3	1,1-Dichloroethane	BSP	REC	111	%	77-125
V2P3568-BS	107-06-2	1,2-Dichloroethane	BSP	REC	102	%	73-128
V2P3568-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	105	%	71-131
V2P3568-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	106	%	78-123
V2P3568-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	105	%	75-124
V2P3568-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	105	%	79-121
V2P3568-BS	78-87-5	1,2-Dichloropropane	BSP	REC	103	%	78-122
V2P3568-BS	142-28-9	1,3-Dichloropropane	BSP	REC	90	%	80-119
V2P3568-BS	594-20-7	2,2-Dichloropropane	BSP	REC	103	%	60-139
V2P3568-BS	563-58-6	1,1-Dichloropropene	BSP	REC	110	%	79-125
V2P3568-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	104	%	75-124
V2P3568-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	104	%	73-127
V2P3568-BS	100-41-4	Ethylbenzene	BSP	REC	100	%	79-121
V2P3568-BS	87-68-3	Hexachlorobutadiene	BSP	REC	106	%	66-134
V2P3568-BS	591-78-6	2-Hexanone	BSP	REC	96	%	57-139
V2P3568-BS	98-82-8	Isopropylbenzene	BSP	REC	104	%	72-131
V2P3568-BS	99-87-6	p-Isopropyltoluene	BSP	REC	106	%	77-127
V2P3568-BS	74-83-9	Methyl Bromide	BSP	REC	95	%	53-141
V2P3568-BS	74-87-3	Methyl Chloride	BSP	REC	121	%	50-139
V2P3568-BS	74-95-3	Methylene Bromide	BSP	REC	99	%	79-123
V2P3568-BS	75-09-2	Methylene Chloride	BSP	REC	92	%	74-124
V2P3568-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	97	%	67-130
V2P3568-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	122	%	71-124
V2P3568-BS	91-20-3	Naphthalene	BSP	REC	96	%	61-128
V2P3568-BS	103-65-1	n-Propylbenzene	BSP	REC	98	%	76-126
V2P3568-BS	100-42-5	Styrene	BSP	REC	102	%	78-123
V2P3568-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	100	%	78-124
V2P3568-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	92	%	71-121
V2P3568-BS	127-18-4	Tetrachloroethylene	BSP	REC	107	%	74-129
V2P3568-BS	108-88-3	Toluene	BSP	REC	98	%	80-121

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V2P3568-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	98	%	69-129
V2P3568-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	96	%	69-130
V2P3568-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	112	%	74-131
V2P3568-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	100	%	80-119
V2P3568-BS	79-01-6	Trichloroethylene	BSP	REC	106	%	79-123
V2P3568-BS	75-69-4	Trichlorofluoromethane	BSP	REC	132	%	65-141
V2P3568-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	89	%	73-122
V2P3568-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	97	%	76-124
V2P3568-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	94	%	75-124
V2P3568-BS	108-05-4	Vinyl Acetate	BSP	REC	110	%	54-146
V2P3568-BS	75-01-4	Vinyl Chloride	BSP	REC	126	%	58-137
V2P3568-BS		m,p-Xylene	BSP	REC	99	%	80-121
V2P3568-BS	95-47-6	o-Xylene	BSP	REC	101	%	78-122
V2P3568-BS	1330-20-7	Xylene (total)	BSP	REC	100	%	79-121
V2P3568-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	104	%	80-119
V2P3568-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	102	%	81-118
V2P3568-BS	2037-26-5	Toluene-D8	BSP	SURR	95	%	89-112
V2P3568-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	98	%	85-114
FA98431-6MS	67-64-1	Acetone	MS	REC	116	%	39-160
FA98431-6MS	71-43-2	Benzene	MS	REC	117	%	79-120
FA98431-6MS	108-86-1	Bromobenzene	MS	REC	94	%	80-120
FA98431-6MS	74-97-5	Bromochloromethane	MS	REC	105	%	78-123
FA98431-6MS	75-27-4	Bromodichloromethane	MS	REC	105	%	79-125
FA98431-6MS	75-25-2	Bromoform	MS	REC	84	%	66-130
FA98431-6MS	78-93-3	2-Butanone (MEK)	MS	REC	115	%	56-143
FA98431-6MS	104-51-8	n-Butylbenzene	MS	REC	92	%	75-128
FA98431-6MS	135-98-8	sec-Butylbenzene	MS	REC	107	%	77-126
FA98431-6MS	98-06-6	tert-Butylbenzene	MS	REC	100	%	78-124
FA98431-6MS	75-15-0	Carbon Disulfide	MS	REC	80	%	64-133
FA98431-6MS	56-23-5	Carbon Tetrachloride	MS	REC	111	%	72-136
FA98431-6MS	108-90-7	Chlorobenzene	MS	REC	103	%	82-118
FA98431-6MS	75-00-3	Chloroethane	MS	REC	120	%	60-138
FA98431-6MS	67-66-3	Chloroform	MS	REC	118	%	79-124
FA98431-6MS	95-49-8	o-Chlorotoluene	MS	REC	96	%	79-122
FA98431-6MS	106-43-4	p-Chlorotoluene	MS	REC	96	%	78-122
FA98431-6MS	124-48-1	Dibromochloromethane	MS	REC	90	%	74-126
FA98431-6MS	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	81	%	62-128
FA98431-6MS	106-93-4	1,2-Dibromoethane	MS	REC	101	%	77-121
FA98431-6MS	75-71-8	Dichlorodifluoromethane	MS	REC	146	%	32-152
FA98431-6MS	95-50-1	1,2-Dichlorobenzene	MS	REC	98	%	80-119
FA98431-6MS	541-73-1	1,3-Dichlorobenzene	MS	REC	100	%	80-119
FA98431-6MS	106-46-7	1,4-Dichlorobenzene	MS	REC	97	%	79-118
FA98431-6MS	75-34-3	1,1-Dichloroethane	MS	REC	123	%	77-125
FA98431-6MS	107-06-2	1,2-Dichloroethane	MS	REC	114	%	73-128
FA98431-6MS	75-35-4	1,1-Dichloroethylene	MS	REC	122	%	71-131

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98431-6MS	156-59-2	cis-1,2-Dichloroethylene	MS	REC	118	%	78-123
FA98431-6MS	156-60-5	trans-1,2-Dichloroethylene	MS	REC	117	%	75-124
FA98431-6MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	118	%	79-121
FA98431-6MS	78-87-5	1,2-Dichloropropane	MS	REC	110	%	78-122
FA98431-6MS	142-28-9	1,3-Dichloropropane	MS	REC	93	%	80-119
FA98431-6MS	594-20-7	2,2-Dichloropropane	MS	REC	82	%	60-139
FA98431-6MS	563-58-6	1,1-Dichloropropene	MS	REC	119	%	79-125
FA98431-6MS	10061-01-5	cis-1,3-Dichloropropene	MS	REC	96	%	75-124
FA98431-6MS	10061-02-6	trans-1,3-Dichloropropene	MS	REC	96	%	73-127
FA98431-6MS	100-41-4	Ethylbenzene	MS	REC	104	%	79-121
FA98431-6MS	87-68-3	Hexachlorobutadiene	MS	REC	100	%	66-134
FA98431-6MS	591-78-6	2-Hexanone	MS	REC	98	%	57-139
FA98431-6MS	98-82-8	Isopropylbenzene	MS	REC	107	%	72-131
FA98431-6MS	99-87-6	p-Isopropyltoluene	MS	REC	106	%	77-127
FA98431-6MS	74-83-9	Methyl Bromide	MS	REC	103	%	53-141
FA98431-6MS	74-87-3	Methyl Chloride	MS	REC	136	%	50-139
FA98431-6MS	74-95-3	Methylene Bromide	MS	REC	109	%	79-123
FA98431-6MS	75-09-2	Methylene Chloride	MS	REC	98	%	74-124
FA98431-6MS	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	102	%	67-130
FA98431-6MS	1634-04-4	Methyl Tert Butyl Ether	MS	REC	124	%	71-124
FA98431-6MS	91-20-3	Naphthalene	MS	REC	93	%	61-128
FA98431-6MS	103-65-1	n-Propylbenzene	MS	REC	99	%	76-126
FA98431-6MS	100-42-5	Styrene	MS	REC	105	%	78-123
FA98431-6MS	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	98	%	78-124
FA98431-6MS	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	97	%	71-121
FA98431-6MS	127-18-4	Tetrachloroethylene	MS	REC	106	%	74-129
FA98431-6MS	108-88-3	Toluene	MS	REC	101	%	80-121
FA98431-6MS	87-61-6	1,2,3-Trichlorobenzene	MS	REC	95	%	69-129
FA98431-6MS	120-82-1	1,2,4-Trichlorobenzene	MS	REC	94	%	69-130
FA98431-6MS	71-55-6	1,1,1-Trichloroethane	MS	REC	117	%	74-131
FA98431-6MS	79-00-5	1,1,2-Trichloroethane	MS	REC	104	%	80-119
FA98431-6MS	79-01-6	Trichloroethylene	MS	REC	114	%	79-123
FA98431-6MS	75-69-4	Trichlorofluoromethane	MS	REC	154	%	65-141
FA98431-6MS	96-18-4	1,2,3-Trichloropropane	MS	REC	92	%	73-122
FA98431-6MS	95-63-6	1,2,4-Trimethylbenzene	MS	REC	98	%	76-124
FA98431-6MS	108-67-8	1,3,5-Trimethylbenzene	MS	REC	96	%	75-124
FA98431-6MS	108-05-4	Vinyl Acetate	MS	REC	92	%	54-146
FA98431-6MS	75-01-4	Vinyl Chloride	MS	REC	142	%	58-137
FA98431-6MS		m,p-Xylene	MS	REC	103	%	80-121
FA98431-6MS	95-47-6	o-Xylene	MS	REC	106	%	78-122
FA98431-6MS	1330-20-7	Xylene (total)	MS	REC	104	%	79-121
FA98431-6MS	1868-53-7	Dibromofluoromethane	MS	SURR	101	%	80-119
FA98431-6MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	100	%	81-118
FA98431-6MS	2037-26-5	Toluene-D8	MS	SURR	92	%	89-112
FA98431-6MS	460-00-4	4-Bromofluorobenzene	MS	SURR	98	%	85-114

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98431-6MSD	67-64-1	Acetone	MSD	REC	113	%	39-160
FA98431-6MSD	67-64-1	Acetone	MSD	RPD	3	%	20
FA98431-6MSD	71-43-2	Benzene	MSD	REC	118	%	79-120
FA98431-6MSD	71-43-2	Benzene	MSD	RPD	1	%	20
FA98431-6MSD	108-86-1	Bromobenzene	MSD	REC	94	%	80-120
FA98431-6MSD	108-86-1	Bromobenzene	MSD	RPD	1	%	20
FA98431-6MSD	74-97-5	Bromochloromethane	MSD	REC	105	%	78-123
FA98431-6MSD	74-97-5	Bromochloromethane	MSD	RPD	0	%	20
FA98431-6MSD	75-27-4	Bromodichloromethane	MSD	REC	109	%	79-125
FA98431-6MSD	75-27-4	Bromodichloromethane	MSD	RPD	3	%	20
FA98431-6MSD	75-25-2	Bromoform	MSD	REC	84	%	66-130
FA98431-6MSD	75-25-2	Bromoform	MSD	RPD	0	%	20
FA98431-6MSD	78-93-3	2-Butanone (MEK)	MSD	REC	114	%	56-143
FA98431-6MSD	78-93-3	2-Butanone (MEK)	MSD	RPD	1	%	20
FA98431-6MSD	104-51-8	n-Butylbenzene	MSD	REC	94	%	75-128
FA98431-6MSD	104-51-8	n-Butylbenzene	MSD	RPD	2	%	20
FA98431-6MSD	135-98-8	sec-Butylbenzene	MSD	REC	106	%	77-126
FA98431-6MSD	135-98-8	sec-Butylbenzene	MSD	RPD	2	%	20
FA98431-6MSD	98-06-6	tert-Butylbenzene	MSD	REC	99	%	78-124
FA98431-6MSD	98-06-6	tert-Butylbenzene	MSD	RPD	0	%	20
FA98431-6MSD	75-15-0	Carbon Disulfide	MSD	REC	84	%	64-133
FA98431-6MSD	75-15-0	Carbon Disulfide	MSD	RPD	5	%	20
FA98431-6MSD	56-23-5	Carbon Tetrachloride	MSD	REC	118	%	72-136
FA98431-6MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	6	%	20
FA98431-6MSD	108-90-7	Chlorobenzene	MSD	REC	102	%	82-118
FA98431-6MSD	108-90-7	Chlorobenzene	MSD	RPD	0	%	20
FA98431-6MSD	75-00-3	Chloroethane	MSD	REC	124	%	60-138
FA98431-6MSD	75-00-3	Chloroethane	MSD	RPD	3	%	20
FA98431-6MSD	67-66-3	Chloroform	MSD	REC	117	%	79-124
FA98431-6MSD	67-66-3	Chloroform	MSD	RPD	1	%	20
FA98431-6MSD	95-49-8	o-Chlorotoluene	MSD	REC	98	%	79-122
FA98431-6MSD	95-49-8	o-Chlorotoluene	MSD	RPD	1	%	20
FA98431-6MSD	106-43-4	p-Chlorotoluene	MSD	REC	96	%	78-122
FA98431-6MSD	106-43-4	p-Chlorotoluene	MSD	RPD	0	%	20
FA98431-6MSD	124-48-1	Dibromochloromethane	MSD	REC	90	%	74-126
FA98431-6MSD	124-48-1	Dibromochloromethane	MSD	RPD	0	%	20
FA98431-6MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	82	%	62-128
FA98431-6MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	1	%	20
FA98431-6MSD	106-93-4	1,2-Dibromoethane	MSD	REC	101	%	77-121
FA98431-6MSD	106-93-4	1,2-Dibromoethane	MSD	RPD	0	%	20
FA98431-6MSD	75-71-8	Dichlorodifluoromethane	MSD	REC	145	%	32-152
FA98431-6MSD	75-71-8	Dichlorodifluoromethane	MSD	RPD	1	%	20
FA98431-6MSD	95-50-1	1,2-Dichlorobenzene	MSD	REC	97	%	80-119
FA98431-6MSD	95-50-1	1,2-Dichlorobenzene	MSD	RPD	1	%	20
FA98431-6MSD	541-73-1	1,3-Dichlorobenzene	MSD	REC	99	%	80-119

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98431-6MSD	541-73-1	1,3-Dichlorobenzene	MSD	RPD	1	%	20
FA98431-6MSD	106-46-7	1,4-Dichlorobenzene	MSD	REC	95	%	79-118
FA98431-6MSD	106-46-7	1,4-Dichlorobenzene	MSD	RPD	2	%	20
FA98431-6MSD	75-34-3	1,1-Dichloroethane	MSD	REC	124	%	77-125
FA98431-6MSD	75-34-3	1,1-Dichloroethane	MSD	RPD	1	%	20
FA98431-6MSD	107-06-2	1,2-Dichloroethane	MSD	REC	112	%	73-128
FA98431-6MSD	107-06-2	1,2-Dichloroethane	MSD	RPD	2	%	20
FA98431-6MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	124	%	71-131
FA98431-6MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	2	%	20
FA98431-6MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	119	%	78-123
FA98431-6MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	1	%	20
FA98431-6MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	119	%	75-124
FA98431-6MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	1	%	20
FA98431-6MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	119	%	79-121
FA98431-6MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	1	%	20
FA98431-6MSD	78-87-5	1,2-Dichloropropane	MSD	REC	112	%	78-122
FA98431-6MSD	78-87-5	1,2-Dichloropropane	MSD	RPD	1	%	20
FA98431-6MSD	142-28-9	1,3-Dichloropropane	MSD	REC	92	%	80-119
FA98431-6MSD	142-28-9	1,3-Dichloropropane	MSD	RPD	1	%	20
FA98431-6MSD	594-20-7	2,2-Dichloropropane	MSD	REC	83	%	60-139
FA98431-6MSD	594-20-7	2,2-Dichloropropane	MSD	RPD	1	%	20
FA98431-6MSD	563-58-6	1,1-Dichloropropene	MSD	REC	119	%	79-125
FA98431-6MSD	563-58-6	1,1-Dichloropropene	MSD	RPD	0	%	20
FA98431-6MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	98	%	75-124
FA98431-6MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	2	%	20
FA98431-6MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	96	%	73-127
FA98431-6MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	0	%	20
FA98431-6MSD	100-41-4	Ethylbenzene	MSD	REC	103	%	79-121
FA98431-6MSD	100-41-4	Ethylbenzene	MSD	RPD	2	%	20
FA98431-6MSD	87-68-3	Hexachlorobutadiene	MSD	REC	100	%	66-134
FA98431-6MSD	87-68-3	Hexachlorobutadiene	MSD	RPD	0	%	20
FA98431-6MSD	591-78-6	2-Hexanone	MSD	REC	97	%	57-139
FA98431-6MSD	591-78-6	2-Hexanone	MSD	RPD	2	%	20
FA98431-6MSD	98-82-8	Isopropylbenzene	MSD	REC	107	%	72-131
FA98431-6MSD	98-82-8	Isopropylbenzene	MSD	RPD	0	%	20
FA98431-6MSD	99-87-6	p-Isopropyltoluene	MSD	REC	106	%	77-127
FA98431-6MSD	99-87-6	p-Isopropyltoluene	MSD	RPD	0	%	20
FA98431-6MSD	74-83-9	Methyl Bromide	MSD	REC	100	%	53-141
FA98431-6MSD	74-83-9	Methyl Bromide	MSD	RPD	3	%	20
FA98431-6MSD	74-87-3	Methyl Chloride	MSD	REC	137	%	50-139
FA98431-6MSD	74-87-3	Methyl Chloride	MSD	RPD	0	%	20
FA98431-6MSD	74-95-3	Methylene Bromide	MSD	REC	108	%	79-123
FA98431-6MSD	74-95-3	Methylene Bromide	MSD	RPD	1	%	20
FA98431-6MSD	75-09-2	Methylene Chloride	MSD	REC	98	%	74-124
FA98431-6MSD	75-09-2	Methylene Chloride	MSD	RPD	0	%	20

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98431-6MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	100	%	67-130
FA98431-6MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	2	%	20
FA98431-6MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	127	%	71-124
FA98431-6MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	2	%	20
FA98431-6MSD	91-20-3	Naphthalene	MSD	REC	94	%	61-128
FA98431-6MSD	91-20-3	Naphthalene	MSD	RPD	0	%	20
FA98431-6MSD	103-65-1	n-Propylbenzene	MSD	REC	99	%	76-126
FA98431-6MSD	103-65-1	n-Propylbenzene	MSD	RPD	0	%	20
FA98431-6MSD	100-42-5	Styrene	MSD	REC	104	%	78-123
FA98431-6MSD	100-42-5	Styrene	MSD	RPD	1	%	20
FA98431-6MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	101	%	78-124
FA98431-6MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	2	%	20
FA98431-6MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	96	%	71-121
FA98431-6MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	1	%	20
FA98431-6MSD	127-18-4	Tetrachloroethylene	MSD	REC	105	%	74-129
FA98431-6MSD	127-18-4	Tetrachloroethylene	MSD	RPD	0	%	20
FA98431-6MSD	108-88-3	Toluene	MSD	REC	102	%	80-121
FA98431-6MSD	108-88-3	Toluene	MSD	RPD	1	%	20
FA98431-6MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	96	%	69-129
FA98431-6MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	2	%	20
FA98431-6MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	95	%	69-130
FA98431-6MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	1	%	20
FA98431-6MSD	71-55-6	1,1,1-Trichloroethane	MSD	REC	119	%	74-131
FA98431-6MSD	71-55-6	1,1,1-Trichloroethane	MSD	RPD	1	%	20
FA98431-6MSD	79-00-5	1,1,2-Trichloroethane	MSD	REC	101	%	80-119
FA98431-6MSD	79-00-5	1,1,2-Trichloroethane	MSD	RPD	3	%	20
FA98431-6MSD	79-01-6	Trichloroethylene	MSD	REC	112	%	79-123
FA98431-6MSD	79-01-6	Trichloroethylene	MSD	RPD	1	%	20
FA98431-6MSD	75-69-4	Trichlorofluoromethane	MSD	REC	151	%	65-141
FA98431-6MSD	75-69-4	Trichlorofluoromethane	MSD	RPD	2	%	20
FA98431-6MSD	96-18-4	1,2,3-Trichloropropane	MSD	REC	88	%	73-122
FA98431-6MSD	96-18-4	1,2,3-Trichloropropane	MSD	RPD	4	%	20
FA98431-6MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	98	%	76-124
FA98431-6MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	0	%	20
FA98431-6MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	96	%	75-124
FA98431-6MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	1	%	20
FA98431-6MSD	108-05-4	Vinyl Acetate	MSD	REC	93	%	54-146
FA98431-6MSD	108-05-4	Vinyl Acetate	MSD	RPD	1	%	20
FA98431-6MSD	75-01-4	Vinyl Chloride	MSD	REC	139	%	58-137
FA98431-6MSD	75-01-4	Vinyl Chloride	MSD	RPD	2	%	20
FA98431-6MSD		m,p-Xylene	MSD	REC	103	%	80-121
FA98431-6MSD		m,p-Xylene	MSD	RPD	0	%	20
FA98431-6MSD	95-47-6	o-Xylene	MSD	REC	107	%	78-122
FA98431-6MSD	95-47-6	o-Xylene	MSD	RPD	1	%	20
FA98431-6MSD	1330-20-7	Xylene (total)	MSD	REC	104	%	79-121

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98431-6MSD	1330-20-7	Xylene (total)	MSD	RPD	0	%	20
FA98431-6MSD	1868-53-7	Dibromofluoromethane	MSD	SURR	102	%	80-119
FA98431-6MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	100	%	81-118
FA98431-6MSD	2037-26-5	Toluene-D8	MSD	SURR	91	%	89-112
FA98431-6MSD	460-00-4	4-Bromofluorobenzene	MSD	SURR	98	%	85-114
V2P3568-MB	1868-53-7	Dibromofluoromethane	MB	SURR	96	%	80-119
V2P3568-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	97	%	81-118
V2P3568-MB	2037-26-5	Toluene-D8	MB	SURR	96	%	89-112
V2P3568-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	98	%	85-114
FA98431-6	1868-53-7	Dibromofluoromethane	SAMP	SURR	95	%	80-119
FA98431-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
FA98431-6	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FA98431-6	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	85-114
FA98431-10	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
FA98431-10	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
FA98431-10	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FA98431-10	460-00-4	4-Bromofluorobenzene	SAMP	SURR	96	%	85-114
VO2808	SW846 8260D						
VO2808-BS	67-64-1	Acetone	BSP	REC	103	%	39-160
VO2808-BS	71-43-2	Benzene	BSP	REC	95	%	79-120
VO2808-BS	108-86-1	Bromobenzene	BSP	REC	86	%	80-120
VO2808-BS	74-97-5	Bromochloromethane	BSP	REC	94	%	78-123
VO2808-BS	75-27-4	Bromodichloromethane	BSP	REC	95	%	79-125
VO2808-BS	75-25-2	Bromoform	BSP	REC	87	%	66-130
VO2808-BS	78-93-3	2-Butanone (MEK)	BSP	REC	96	%	56-143
VO2808-BS	104-51-8	n-Butylbenzene	BSP	REC	88	%	75-128
VO2808-BS	135-98-8	sec-Butylbenzene	BSP	REC	99	%	77-126
VO2808-BS	98-06-6	tert-Butylbenzene	BSP	REC	93	%	78-124
VO2808-BS	75-15-0	Carbon Disulfide	BSP	REC	92	%	64-133
VO2808-BS	56-23-5	Carbon Tetrachloride	BSP	REC	103	%	72-136
VO2808-BS	108-90-7	Chlorobenzene	BSP	REC	90	%	82-118
VO2808-BS	75-00-3	Chloroethane	BSP	REC	104	%	60-138
VO2808-BS	67-66-3	Chloroform	BSP	REC	94	%	79-124
VO2808-BS	95-49-8	o-Chlorotoluene	BSP	REC	90	%	79-122
VO2808-BS	106-43-4	p-Chlorotoluene	BSP	REC	90	%	78-122
VO2808-BS	124-48-1	Dibromochloromethane	BSP	REC	85	%	74-126
VO2808-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	74	%	62-128
VO2808-BS	106-93-4	1,2-Dibromoethane	BSP	REC	87	%	77-121
VO2808-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	125	%	32-152
VO2808-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	88	%	80-119
VO2808-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	90	%	80-119
VO2808-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	94	%	79-118
VO2808-BS	75-34-3	1,1-Dichloroethane	BSP	REC	103	%	77-125

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VO2808-BS	107-06-2	1,2-Dichloroethane	BSP	REC	93	%	73-128
VO2808-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	108	%	71-131
VO2808-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	102	%	78-123
VO2808-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	98	%	75-124
VO2808-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	100	%	79-121
VO2808-BS	78-87-5	1,2-Dichloropropane	BSP	REC	91	%	78-122
VO2808-BS	142-28-9	1,3-Dichloropropane	BSP	REC	80	%	80-119
VO2808-BS	594-20-7	2,2-Dichloropropane	BSP	REC	91	%	60-139
VO2808-BS	563-58-6	1,1-Dichloropropene	BSP	REC	100	%	79-125
VO2808-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	91	%	75-124
VO2808-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	98	%	73-127
VO2808-BS	100-41-4	Ethylbenzene	BSP	REC	91	%	79-121
VO2808-BS	87-68-3	Hexachlorobutadiene	BSP	REC	98	%	66-134
VO2808-BS	591-78-6	2-Hexanone	BSP	REC	92	%	57-139
VO2808-BS	98-82-8	Isopropylbenzene	BSP	REC	96	%	72-131
VO2808-BS	99-87-6	p-Isopropyltoluene	BSP	REC	98	%	77-127
VO2808-BS	74-83-9	Methyl Bromide	BSP	REC	84	%	53-141
VO2808-BS	74-87-3	Methyl Chloride	BSP	REC	106	%	50-139
VO2808-BS	74-95-3	Methylene Bromide	BSP	REC	90	%	79-123
VO2808-BS	75-09-2	Methylene Chloride	BSP	REC	103	%	74-124
VO2808-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	88	%	67-130
VO2808-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	109	%	71-124
VO2808-BS	91-20-3	Naphthalene	BSP	REC	87	%	61-128
VO2808-BS	103-65-1	n-Propylbenzene	BSP	REC	92	%	76-126
VO2808-BS	100-42-5	Styrene	BSP	REC	93	%	78-123
VO2808-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	91	%	78-124
VO2808-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	86	%	71-121
VO2808-BS	127-18-4	Tetrachloroethylene	BSP	REC	96	%	74-129
VO2808-BS	108-88-3	Toluene	BSP	REC	90	%	80-121
VO2808-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	85	%	69-129
VO2808-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	86	%	69-130
VO2808-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	103	%	74-131
VO2808-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	88	%	80-119
VO2808-BS	79-01-6	Trichloroethylene	BSP	REC	103	%	79-123
VO2808-BS	75-69-4	Trichlorofluoromethane	BSP	REC	104	%	65-141
VO2808-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	84	%	73-122
VO2808-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	92	%	76-124
VO2808-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	90	%	75-124
VO2808-BS	108-05-4	Vinyl Acetate	BSP	REC	95	%	54-146
VO2808-BS	75-01-4	Vinyl Chloride	BSP	REC	108	%	58-137
VO2808-BS		m,p-Xylene	BSP	REC	92	%	80-121
VO2808-BS	95-47-6	o-Xylene	BSP	REC	92	%	78-122
VO2808-BS	1330-20-7	Xylene (total)	BSP	REC	92	%	79-121
VO2808-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	99	%	80-119
VO2808-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	99	%	81-118

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VO2808-BS	2037-26-5	Toluene-D8	BSP	SURR	96	%	89-112
VO2808-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	99	%	85-114
FA98452-2MS*	67-64-1	Acetone	MS	REC	96	%	39-160
FA98452-2MS*	71-43-2	Benzene	MS	REC	91	%	79-120
FA98452-2MS*	108-86-1	Bromobenzene	MS	REC	78	%	80-120
FA98452-2MS*	74-97-5	Bromochloromethane	MS	REC	94	%	78-123
FA98452-2MS*	75-27-4	Bromodichloromethane	MS	REC	89	%	79-125
FA98452-2MS*	75-25-2	Bromoform	MS	REC	77	%	66-130
FA98452-2MS*	78-93-3	2-Butanone (MEK)	MS	REC	89	%	56-143
FA98452-2MS*	104-51-8	n-Butylbenzene	MS	REC	75	%	75-128
FA98452-2MS*	135-98-8	sec-Butylbenzene	MS	REC	91	%	77-126
FA98452-2MS*	98-06-6	tert-Butylbenzene	MS	REC	83	%	78-124
FA98452-2MS*	75-15-0	Carbon Disulfide	MS	REC	81	%	64-133
FA98452-2MS*	56-23-5	Carbon Tetrachloride	MS	REC	93	%	72-136
FA98452-2MS*	108-90-7	Chlorobenzene	MS	REC	86	%	82-118
FA98452-2MS*	75-00-3	Chloroethane	MS	REC	104	%	60-138
FA98452-2MS*	67-66-3	Chloroform	MS	REC	90	%	79-124
FA98452-2MS*	95-49-8	o-Chlorotoluene	MS	REC	82	%	79-122
FA98452-2MS*	106-43-4	p-Chlorotoluene	MS	REC	82	%	78-122
FA98452-2MS*	124-48-1	Dibromochloromethane	MS	REC	77	%	74-126
FA98452-2MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	68	%	62-128
FA98452-2MS*	106-93-4	1,2-Dibromoethane	MS	REC	81	%	77-121
FA98452-2MS*	75-71-8	Dichlorodifluoromethane	MS	REC	116	%	32-152
FA98452-2MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	82	%	80-119
FA98452-2MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	84	%	80-119
FA98452-2MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	88	%	79-118
FA98452-2MS*	75-34-3	1,1-Dichloroethane	MS	REC	100	%	77-125
FA98452-2MS*	107-06-2	1,2-Dichloroethane	MS	REC	89	%	73-128
FA98452-2MS*	75-35-4	1,1-Dichloroethylene	MS	REC	100	%	71-131
FA98452-2MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	96	%	78-123
FA98452-2MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	92	%	75-124
FA98452-2MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	94	%	79-121
FA98452-2MS*	78-87-5	1,2-Dichloropropane	MS	REC	86	%	78-122
FA98452-2MS*	142-28-9	1,3-Dichloropropane	MS	REC	75	%	80-119
FA98452-2MS*	594-20-7	2,2-Dichloropropane	MS	REC	74	%	60-139
FA98452-2MS*	563-58-6	1,1-Dichloropropene	MS	REC	95	%	79-125
FA98452-2MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	76	%	75-124
FA98452-2MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	83	%	73-127
FA98452-2MS*	100-41-4	Ethylbenzene	MS	REC	86	%	79-121
FA98452-2MS*	87-68-3	Hexachlorobutadiene	MS	REC	80	%	66-134
FA98452-2MS*	591-78-6	2-Hexanone	MS	REC	86	%	57-139
FA98452-2MS*	98-82-8	Isopropylbenzene	MS	REC	87	%	72-131
FA98452-2MS*	99-87-6	p-Isopropyltoluene	MS	REC	88	%	77-127
FA98452-2MS*	74-83-9	Methyl Bromide	MS	REC	58	%	53-141
FA98452-2MS*	74-87-3	Methyl Chloride	MS	REC	104	%	50-139

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98452-2MS*	74-95-3	Methylene Bromide	MS	REC	88	%	79-123
FA98452-2MS*	75-09-2	Methylene Chloride	MS	REC	95	%	74-124
FA98452-2MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	83	%	67-130
FA98452-2MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	100	%	71-124
FA98452-2MS*	91-20-3	Naphthalene	MS	REC	76	%	61-128
FA98452-2MS*	103-65-1	n-Propylbenzene	MS	REC	84	%	76-126
FA98452-2MS*	100-42-5	Styrene	MS	REC	86	%	78-123
FA98452-2MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	85	%	78-124
FA98452-2MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	81	%	71-121
FA98452-2MS*	127-18-4	Tetrachloroethylene	MS	REC	90	%	74-129
FA98452-2MS*	108-88-3	Toluene	MS	REC	85	%	80-121
FA98452-2MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	76	%	69-129
FA98452-2MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	75	%	69-130
FA98452-2MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	97	%	74-131
FA98452-2MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	86	%	80-119
FA98452-2MS*	79-01-6	Trichloroethylene	MS	REC	101	%	79-123
FA98452-2MS*	75-69-4	Trichlorofluoromethane	MS	REC	100	%	65-141
FA98452-2MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	77	%	73-122
FA98452-2MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	85	%	76-124
FA98452-2MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	82	%	75-124
FA98452-2MS*	108-05-4	Vinyl Acetate	MS	REC	81	%	54-146
FA98452-2MS*	75-01-4	Vinyl Chloride	MS	REC	103	%	58-137
FA98452-2MS*		m,p-Xylene	MS	REC	85	%	80-121
FA98452-2MS*	95-47-6	o-Xylene	MS	REC	84	%	78-122
FA98452-2MS*	1330-20-7	Xylene (total)	MS	REC	85	%	79-121
FA98452-2MS*	1868-53-7	Dibromofluoromethane	MS	SURR	100	%	80-119
FA98452-2MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	99	%	81-118
FA98452-2MS*	2037-26-5	Toluene-D8	MS	SURR	94	%	89-112
FA98452-2MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	96	%	85-114
FA98452-2MSD*	67-64-1	Acetone	MSD	REC	95	%	39-160
FA98452-2MSD*	67-64-1	Acetone	MSD	RPD	1	%	20
FA98452-2MSD*	71-43-2	Benzene	MSD	REC	92	%	79-120
FA98452-2MSD*	71-43-2	Benzene	MSD	RPD	1	%	20
FA98452-2MSD*	108-86-1	Bromobenzene	MSD	REC	82	%	80-120
FA98452-2MSD*	108-86-1	Bromobenzene	MSD	RPD	4	%	20
FA98452-2MSD*	74-97-5	Bromochloromethane	MSD	REC	94	%	78-123
FA98452-2MSD*	74-97-5	Bromochloromethane	MSD	RPD	0	%	20
FA98452-2MSD*	75-27-4	Bromodichloromethane	MSD	REC	89	%	79-125
FA98452-2MSD*	75-27-4	Bromodichloromethane	MSD	RPD	0	%	20
FA98452-2MSD*	75-25-2	Bromoform	MSD	REC	81	%	66-130
FA98452-2MSD*	75-25-2	Bromoform	MSD	RPD	5	%	20
FA98452-2MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	87	%	56-143
FA98452-2MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	2	%	20
FA98452-2MSD*	104-51-8	n-Butylbenzene	MSD	REC	77	%	75-128
FA98452-2MSD*	104-51-8	n-Butylbenzene	MSD	RPD	3	%	20

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98452-2MSD*	135-98-8	sec-Butylbenzene	MSD	REC	91	%	77-126
FA98452-2MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	0	%	20
FA98452-2MSD*	98-06-6	tert-Butylbenzene	MSD	REC	85	%	78-124
FA98452-2MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	2	%	20
FA98452-2MSD*	75-15-0	Carbon Disulfide	MSD	REC	84	%	64-133
FA98452-2MSD*	75-15-0	Carbon Disulfide	MSD	RPD	3	%	20
FA98452-2MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	95	%	72-136
FA98452-2MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	2	%	20
FA98452-2MSD*	108-90-7	Chlorobenzene	MSD	REC	87	%	82-118
FA98452-2MSD*	108-90-7	Chlorobenzene	MSD	RPD	1	%	20
FA98452-2MSD*	75-00-3	Chloroethane	MSD	REC	114	%	60-138
FA98452-2MSD*	75-00-3	Chloroethane	MSD	RPD	9	%	20
FA98452-2MSD*	67-66-3	Chloroform	MSD	REC	91	%	79-124
FA98452-2MSD*	67-66-3	Chloroform	MSD	RPD	1	%	20
FA98452-2MSD*	95-49-8	o-Chlorotoluene	MSD	REC	84	%	79-122
FA98452-2MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	2	%	20
FA98452-2MSD*	106-43-4	p-Chlorotoluene	MSD	REC	84	%	78-122
FA98452-2MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	2	%	20
FA98452-2MSD*	124-48-1	Dibromochloromethane	MSD	REC	80	%	74-126
FA98452-2MSD*	124-48-1	Dibromochloromethane	MSD	RPD	4	%	20
FA98452-2MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	68	%	62-128
FA98452-2MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	1	%	20
FA98452-2MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	82	%	77-121
FA98452-2MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	1	%	20
FA98452-2MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	123	%	32-152
FA98452-2MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	6	%	20
FA98452-2MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	84	%	80-119
FA98452-2MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	3	%	20
FA98452-2MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	86	%	80-119
FA98452-2MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	3	%	20
FA98452-2MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	90	%	79-118
FA98452-2MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	2	%	20
FA98452-2MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	101	%	77-125
FA98452-2MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	1	%	20
FA98452-2MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	91	%	73-128
FA98452-2MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	2	%	20
FA98452-2MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	100	%	71-131
FA98452-2MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	0	%	20
FA98452-2MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	98	%	78-123
FA98452-2MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	2	%	20
FA98452-2MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	95	%	75-124
FA98452-2MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	3	%	20
FA98452-2MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	96	%	79-121
FA98452-2MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	2	%	20
FA98452-2MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	88	%	78-122

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98452-2MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	2	%	20
FA98452-2MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	78	%	80-119
FA98452-2MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	4	%	20
FA98452-2MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	74	%	60-139
FA98452-2MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	1	%	20
FA98452-2MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	93	%	79-125
FA98452-2MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	2	%	20
FA98452-2MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	78	%	75-124
FA98452-2MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	2	%	20
FA98452-2MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	88	%	73-127
FA98452-2MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	6	%	20
FA98452-2MSD*	100-41-4	Ethylbenzene	MSD	REC	87	%	79-121
FA98452-2MSD*	100-41-4	Ethylbenzene	MSD	RPD	1	%	20
FA98452-2MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	84	%	66-134
FA98452-2MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	4	%	20
FA98452-2MSD*	591-78-6	2-Hexanone	MSD	REC	86	%	57-139
FA98452-2MSD*	591-78-6	2-Hexanone	MSD	RPD	0	%	20
FA98452-2MSD*	98-82-8	Isopropylbenzene	MSD	REC	88	%	72-131
FA98452-2MSD*	98-82-8	Isopropylbenzene	MSD	RPD	1	%	20
FA98452-2MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	88	%	77-127
FA98452-2MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	1	%	20
FA98452-2MSD*	74-83-9	Methyl Bromide	MSD	REC	70	%	53-141
FA98452-2MSD*	74-83-9	Methyl Bromide	MSD	RPD	19	%	20
FA98452-2MSD*	74-87-3	Methyl Chloride	MSD	REC	112	%	50-139
FA98452-2MSD*	74-87-3	Methyl Chloride	MSD	RPD	8	%	20
FA98452-2MSD*	74-95-3	Methylene Bromide	MSD	REC	87	%	79-123
FA98452-2MSD*	74-95-3	Methylene Bromide	MSD	RPD	0	%	20
FA98452-2MSD*	75-09-2	Methylene Chloride	MSD	REC	97	%	74-124
FA98452-2MSD*	75-09-2	Methylene Chloride	MSD	RPD	2	%	20
FA98452-2MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	83	%	67-130
FA98452-2MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	0	%	20
FA98452-2MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	104	%	71-124
FA98452-2MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	4	%	20
FA98452-2MSD*	91-20-3	Naphthalene	MSD	REC	80	%	61-128
FA98452-2MSD*	91-20-3	Naphthalene	MSD	RPD	5	%	20
FA98452-2MSD*	103-65-1	n-Propylbenzene	MSD	REC	86	%	76-126
FA98452-2MSD*	103-65-1	n-Propylbenzene	MSD	RPD	1	%	20
FA98452-2MSD*	100-42-5	Styrene	MSD	REC	88	%	78-123
FA98452-2MSD*	100-42-5	Styrene	MSD	RPD	3	%	20
FA98452-2MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	87	%	78-124
FA98452-2MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	2	%	20
FA98452-2MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	84	%	71-121
FA98452-2MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	4	%	20
FA98452-2MSD*	127-18-4	Tetrachloroethylene	MSD	REC	89	%	74-129
FA98452-2MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	0	%	20

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98452-2MSD*	108-88-3	Toluene	MSD	REC	88	%	80-121
FA98452-2MSD*	108-88-3	Toluene	MSD	RPD	3	%	20
FA98452-2MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	79	%	69-129
FA98452-2MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	4	%	20
FA98452-2MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	79	%	69-130
FA98452-2MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	6	%	20
FA98452-2MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	98	%	74-131
FA98452-2MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	1	%	20
FA98452-2MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	88	%	80-119
FA98452-2MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	3	%	20
FA98452-2MSD*	79-01-6	Trichloroethylene	MSD	REC	103	%	79-123
FA98452-2MSD*	79-01-6	Trichloroethylene	MSD	RPD	1	%	20
FA98452-2MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	103	%	65-141
FA98452-2MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	3	%	20
FA98452-2MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	79	%	73-122
FA98452-2MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	3	%	20
FA98452-2MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	86	%	76-124
FA98452-2MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	1	%	20
FA98452-2MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	84	%	75-124
FA98452-2MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	2	%	20
FA98452-2MSD*	108-05-4	Vinyl Acetate	MSD	REC	81	%	54-146
FA98452-2MSD*	108-05-4	Vinyl Acetate	MSD	RPD	0	%	20
FA98452-2MSD*	75-01-4	Vinyl Chloride	MSD	REC	111	%	58-137
FA98452-2MSD*	75-01-4	Vinyl Chloride	MSD	RPD	7	%	20
FA98452-2MSD*		m,p-Xylene	MSD	REC	87	%	80-121
FA98452-2MSD*		m,p-Xylene	MSD	RPD	2	%	20
FA98452-2MSD*	95-47-6	o-Xylene	MSD	REC	86	%	78-122
FA98452-2MSD*	95-47-6	o-Xylene	MSD	RPD	2	%	20
FA98452-2MSD*	1330-20-7	Xylene (total)	MSD	REC	87	%	79-121
FA98452-2MSD*	1330-20-7	Xylene (total)	MSD	RPD	2	%	20
FA98452-2MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	99	%	80-119
FA98452-2MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	96	%	81-118
FA98452-2MSD*	2037-26-5	Toluene-D8	MSD	SURR	96	%	89-112
FA98452-2MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	98	%	85-114
VO2808-MB	1868-53-7	Dibromofluoromethane	MB	SURR	94	%	80-119
VO2808-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	97	%	81-118
VO2808-MB	2037-26-5	Toluene-D8	MB	SURR	99	%	89-112
VO2808-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	99	%	85-114
FA98431-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	95	%	80-119
FA98431-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
FA98431-1	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98431-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FA98431-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	96	%	80-119
FA98431-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA98431-2	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98431-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FA98431-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
FA98431-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FA98431-3	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA98431-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FA98431-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	96	%	80-119
FA98431-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA98431-4	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98431-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FA98431-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	96	%	80-119
FA98431-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	98	%	81-118
FA98431-5	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA98431-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FA98431-7	1868-53-7	Dibromofluoromethane	SAMP	SURR	96	%	80-119
FA98431-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FA98431-7	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98431-7	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
VY2672	SW846 8260D						
VY2672-BS	78-93-3	2-Butanone (MEK)	BSP	REC	106	%	56-143
VY2672-BS	75-01-4	Vinyl Chloride	BSP	REC	99	%	58-137
VY2672-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	99	%	80-119
VY2672-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	98	%	81-118
VY2672-BS	2037-26-5	Toluene-D8	BSP	SURR	97	%	89-112
VY2672-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	95	%	85-114
FA98458-1MS*	78-93-3	2-Butanone (MEK)	MS	REC	114	%	56-143
FA98458-1MS*	75-01-4	Vinyl Chloride	MS	REC	108	%	58-137
FA98458-1MS*	1868-53-7	Dibromofluoromethane	MS	SURR	95	%	80-119
FA98458-1MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	104	%	81-118
FA98458-1MS*	2037-26-5	Toluene-D8	MS	SURR	96	%	89-112
FA98458-1MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	88	%	85-114
FA98458-1MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	112	%	56-143
FA98458-1MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	2	%	20
FA98458-1MSD*	75-01-4	Vinyl Chloride	MSD	REC	115	%	58-137
FA98458-1MSD*	75-01-4	Vinyl Chloride	MSD	RPD	7	%	20
FA98458-1MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	99	%	80-119
FA98458-1MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	103	%	81-118
FA98458-1MSD*	2037-26-5	Toluene-D8	MSD	SURR	96	%	89-112
FA98458-1MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	88	%	85-114
VY2672-MB	1868-53-7	Dibromofluoromethane	MB	SURR	94	%	80-119
VY2672-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	101	%	81-118
VY2672-MB	2037-26-5	Toluene-D8	MB	SURR	101	%	89-112
VY2672-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	96	%	85-114
FA98431-9	1868-53-7	Dibromofluoromethane	SAMP	SURR	94	%	80-119

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98431-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FA98431-9	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA98431-9	460-00-4	4-Bromofluorobenzene	SAMP	SURR	93	%	85-114
FA98431-11	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	80-119
FA98431-11	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FA98431-11	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FA98431-11	460-00-4	4-Bromofluorobenzene	SAMP	SURR	93	%	85-114
GLL2747	RSKSOP-147/175						
GLL2747-BS	74-82-8	Methane	BSP	REC	98	%	73-125
GLL2747-BS	74-84-0	Ethane	BSP	REC	95	%	74-131
GLL2747-BS	74-85-1	Ethene	BSP	REC	94	%	72-133
GLL2747-BSD	74-82-8	Methane	BSD	REC	110	%	73-125
GLL2747-BSD	74-82-8	Methane	BSD	RPD	12	%	30
GLL2747-BSD	74-84-0	Ethane	BSD	REC	113	%	74-131
GLL2747-BSD	74-84-0	Ethane	BSD	RPD	17	%	30
GLL2747-BSD	74-85-1	Ethene	BSD	REC	115	%	72-133
GLL2747-BSD	74-85-1	Ethene	BSD	RPD	20	%	30
FA98431-6MS	74-82-8	Methane	MS	REC	119	%	73-125
FA98431-6MS	74-84-0	Ethane	MS	REC	103	%	74-131
FA98431-6MS	74-85-1	Ethene	MS	REC	105	%	72-133
FA98431-6DUP	74-82-8	Methane	DUP	RPD	12	%	30
FA98431-6DUP	74-84-0	Ethane	DUP	RPD	0	%	30
FA98431-6DUP	74-85-1	Ethene	DUP	RPD	0	%	30
GLL2748	RSKSOP-147/175						
GLL2748-BS	74-82-8	Methane	BSP	REC	101	%	73-125
GLL2748-BSD	74-82-8	Methane	BSD	REC	104	%	73-125
GLL2748-BSD	74-82-8	Methane	BSD	RPD	3	%	30
FA98485-2MS*	74-82-8	Methane	MS	REC	87	%	73-125
FA98485-1DUP*	74-82-8	Methane	DUP	RPD	5	%	30
GP38002	EPA 300/SW846 9056A						
GP38002-B1	14808-79-8	Sulfate	BSP	REC	101.4	%	87-112
GP38002-S3	14808-79-8	Sulfate	MS	REC	98.6	%	87-112
GP38002-S4	14808-79-8	Sulfate	MSD	RPD	.2	%	15
GP38002-S4	14808-79-8	Sulfate	MSD	REC	98.8	%	87-112
GP38007	EPA 300/SW846 9056A						
GP38007-B1	14808-79-8	Sulfate	BSP	REC	100.6	%	87-112
GP38007-S3	14808-79-8	Sulfate	MS	REC	99.4	%	87-112

* Sample used for QC is not from job FA98431

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98431
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/25/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
GP38007-S4	14808-79-8	Sulfate	MSD	RPD	0	%	15
GP38007-S4	14808-79-8	Sulfate	MSD	REC	99.4	%	87-112

(a) Outside control limits due to high level in sample relative to spike amount.

* Sample used for QC is not from job FA98431

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2808-MB	O70800.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2808-MB	O70800.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-7

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2808-MB	O70800.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-7

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

Method Blank Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3567-MB	2P92607.D	1	09/01/22	CF	n/a	n/a	V2P3567

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-8, FA98431-9, FA98431-11

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	2.4	5.0	2.0	ug/l	J
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3567-MB	2P92607.D	1	09/01/22	CF	n/a	n/a	V2P3567

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-8, FA98431-9, FA98431-11

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3567-MB	2P92607.D	1	09/01/22	CF	n/a	n/a	V2P3567

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-8, FA98431-9, FA98431-11

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

Method Blank Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2672-MB	Y64458.D	1	09/03/22	AL	n/a	n/a	VY2672

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-9, FA98431-11

CAS No.	Compound	Result	RL	MDL	Units	Q
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	96%	83-118%

Method Blank Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3568-MB	2P92665.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-6, FA98431-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	2.4	5.0	2.0	ug/l	J
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3568-MB	2P92665.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-6, FA98431-10

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3568-MB	2P92665.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-6, FA98431-10

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	1.04	24	ug/l	JN
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2808-BS	O70798.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	129	103	50-147
71-43-2	Benzene	25	23.7	95	81-122
108-86-1	Bromobenzene	25	21.4	86	80-121
74-97-5	Bromochloromethane	25	23.6	94	76-123
75-27-4	Bromodichloromethane	25	23.8	95	79-123
75-25-2	Bromoform	25	21.7	87	66-123
78-93-3	2-Butanone (MEK)	125	120	96	56-143
104-51-8	n-Butylbenzene	25	22.1	88	79-126
135-98-8	sec-Butylbenzene	25	24.8	99	83-133
98-06-6	tert-Butylbenzene	25	23.2	93	80-133
75-15-0	Carbon Disulfide	25	23.0	92	66-148
56-23-5	Carbon Tetrachloride	25	25.8	103	76-136
108-90-7	Chlorobenzene	25	22.5	90	82-124
75-00-3	Chloroethane	25	25.9	104	62-144
67-66-3	Chloroform	25	23.5	94	80-124
95-49-8	o-Chlorotoluene	25	22.6	90	81-127
106-43-4	p-Chlorotoluene	25	22.6	90	83-130
124-48-1	Dibromochloromethane	25	21.3	85	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	18.6	74	64-123
106-93-4	1,2-Dibromoethane	25	21.7	87	75-120
75-71-8	Dichlorodifluoromethane	25	31.3	125	42-167
95-50-1	1,2-Dichlorobenzene	25	22.1	88	82-124
541-73-1	1,3-Dichlorobenzene	25	22.6	90	84-125
106-46-7	1,4-Dichlorobenzene	25	23.5	94	78-120
75-34-3	1,1-Dichloroethane	25	25.8	103	81-122
107-06-2	1,2-Dichloroethane	25	23.3	93	75-125
75-35-4	1,1-Dichloroethylene	25	27.0	108	78-137
156-59-2	cis-1,2-Dichloroethylene	25	25.4	102	78-120
156-60-5	trans-1,2-Dichloroethylene	25	24.5	98	76-127
540-59-0	1,2-Dichloroethene (total)	50	50.0	100	77-122
78-87-5	1,2-Dichloropropane	25	22.7	91	76-124
142-28-9	1,3-Dichloropropane	25	20.1	80	80-118
594-20-7	2,2-Dichloropropane	25	22.8	91	74-139
563-58-6	1,1-Dichloropropene	25	24.9	100	79-131
10061-01-5	cis-1,3-Dichloropropene	25	22.8	91	75-118
10061-02-6	trans-1,3-Dichloropropene	25	24.5	98	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2808-BS	O70798.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	22.7	91	81-121
87-68-3	Hexachlorobutadiene	25	24.4	98	75-142
591-78-6	2-Hexanone	125	115	92	61-129
98-82-8	Isopropylbenzene	25	23.9	96	83-132
99-87-6	p-Isopropyltoluene	25	24.5	98	79-130
74-83-9	Methyl Bromide	25	20.9	84	59-143
74-87-3	Methyl Chloride	25	26.4	106	50-159
74-95-3	Methylene Bromide	25	22.5	90	78-119
75-09-2	Methylene Chloride	25	25.7	103	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	110	88	66-122
1634-04-4	Methyl Tert Butyl Ether	25	27.3	109	72-117
91-20-3	Naphthalene	25	21.7	87	63-132
103-65-1	n-Propylbenzene	25	23.1	92	82-133
100-42-5	Styrene	25	23.3	93	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	22.8	91	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	21.6	86	72-120
127-18-4	Tetrachloroethylene	25	23.9	96	76-135
108-88-3	Toluene	25	22.5	90	80-120
87-61-6	1,2,3-Trichlorobenzene	25	21.3	85	68-131
120-82-1	1,2,4-Trichlorobenzene	25	21.5	86	73-129
71-55-6	1,1,1-Trichloroethane	25	25.7	103	75-130
79-00-5	1,1,2-Trichloroethane	25	22.1	88	76-119
79-01-6	Trichloroethylene	25	25.8	103	81-126
75-69-4	Trichlorofluoromethane	25	25.9	104	71-156
96-18-4	1,2,3-Trichloropropane	25	21.0	84	77-120
95-63-6	1,2,4-Trimethylbenzene	25	22.9	92	79-120
108-67-8	1,3,5-Trimethylbenzene	25	22.5	90	79-120
108-05-4	Vinyl Acetate	125	119	95	43-154
75-01-4	Vinyl Chloride	25	27.0	108	69-159
	m,p-Xylene	50	45.9	92	79-126
95-47-6	o-Xylene	25	23.0	92	80-127
1330-20-7	Xylene (total)	75	68.9	92	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2808-BS	O70798.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-7

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3567-BS	2P92603.D	1	09/01/22	CF	n/a	n/a	V2P3567

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-8, FA98431-9, FA98431-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	138	110	50-147
71-43-2	Benzene	25	26.7	107	81-122
108-86-1	Bromobenzene	25	23.6	94	80-121
74-97-5	Bromochloromethane	25	25.2	101	76-123
75-27-4	Bromodichloromethane	25	26.3	105	79-123
75-25-2	Bromoform	25	23.8	95	66-123
78-93-3	2-Butanone (MEK)	125	136	109	56-143
104-51-8	n-Butylbenzene	25	24.4	98	79-126
135-98-8	sec-Butylbenzene	25	26.7	107	83-133
98-06-6	tert-Butylbenzene	25	25.2	101	80-133
75-15-0	Carbon Disulfide	25	23.5	94	66-148
56-23-5	Carbon Tetrachloride	25	27.7	111	76-136
108-90-7	Chlorobenzene	25	25.2	101	82-124
75-00-3	Chloroethane	25	24.0	96	62-144
67-66-3	Chloroform	25	27.2	109	80-124
95-49-8	o-Chlorotoluene	25	24.5	98	81-127
106-43-4	p-Chlorotoluene	25	24.4	98	83-130
124-48-1	Dibromochloromethane	25	24.1	96	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	22.0	88	64-123
106-93-4	1,2-Dibromoethane	25	25.0	100	75-120
75-71-8	Dichlorodifluoromethane	25	26.5	106	42-167
95-50-1	1,2-Dichlorobenzene	25	24.8	99	82-124
541-73-1	1,3-Dichlorobenzene	25	24.9	100	84-125
106-46-7	1,4-Dichlorobenzene	25	24.2	97	78-120
75-34-3	1,1-Dichloroethane	25	28.2	113	81-122
107-06-2	1,2-Dichloroethane	25	25.9	104	75-125
75-35-4	1,1-Dichloroethylene	25	29.3	117	78-137
156-59-2	cis-1,2-Dichloroethylene	25	27.0	108	78-120
156-60-5	trans-1,2-Dichloroethylene	25	27.7	111	76-127
540-59-0	1,2-Dichloroethene (total)	50	54.7	109	77-122
78-87-5	1,2-Dichloropropane	25	25.1	100	76-124
142-28-9	1,3-Dichloropropane	25	23.1	92	80-118
594-20-7	2,2-Dichloropropane	25	26.1	104	74-139
563-58-6	1,1-Dichloropropene	25	27.4	110	79-131
10061-01-5	cis-1,3-Dichloropropene	25	25.9	104	75-118
10061-02-6	trans-1,3-Dichloropropene	25	26.2	105	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3567-BS	2P92603.D	1	09/01/22	CF	n/a	n/a	V2P3567

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-8, FA98431-9, FA98431-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	25.8	103	81-121
87-68-3	Hexachlorobutadiene	25	26.3	105	75-142
591-78-6	2-Hexanone	125	130	104	61-129
98-82-8	Isopropylbenzene	25	26.5	106	83-132
99-87-6	p-Isopropyltoluene	25	26.8	107	79-130
74-83-9	Methyl Bromide	25	22.6	90	59-143
74-87-3	Methyl Chloride	25	26.6	106	50-159
74-95-3	Methylene Bromide	25	24.9	100	78-119
75-09-2	Methylene Chloride	25	23.1	92	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	126	101	66-122
1634-04-4	Methyl Tert Butyl Ether	25	30.8	123*	72-117
91-20-3	Naphthalene	25	24.0	96	63-132
103-65-1	n-Propylbenzene	25	25.0	100	82-133
100-42-5	Styrene	25	25.4	102	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	25.2	101	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	24.0	96	72-120
127-18-4	Tetrachloroethylene	25	26.7	107	76-135
108-88-3	Toluene	25	25.0	100	80-120
87-61-6	1,2,3-Trichlorobenzene	25	24.7	99	68-131
120-82-1	1,2,4-Trichlorobenzene	25	24.0	96	73-129
71-55-6	1,1,1-Trichloroethane	25	28.0	112	75-130
79-00-5	1,1,2-Trichloroethane	25	24.9	100	76-119
79-01-6	Trichloroethylene	25	26.1	104	81-126
75-69-4	Trichlorofluoromethane	25	30.8	123	71-156
96-18-4	1,2,3-Trichloropropane	25	22.6	90	77-120
95-63-6	1,2,4-Trimethylbenzene	25	25.0	100	79-120
108-67-8	1,3,5-Trimethylbenzene	25	24.2	97	79-120
108-05-4	Vinyl Acetate	125	129	103	43-154
75-01-4	Vinyl Chloride	25	27.9	112	69-159
	m,p-Xylene	50	50.8	102	79-126
95-47-6	o-Xylene	25	25.8	103	80-127
1330-20-7	Xylene (total)	75	76.6	102	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3567-BS	2P92603.D	1	09/01/22	CF	n/a	n/a	V2P3567

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-8, FA98431-9, FA98431-11

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2672-BS	Y64455.D	1	09/03/22	AL	n/a	n/a	VY2672

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-9, FA98431-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
78-93-3	2-Butanone (MEK)	125	132	106	56-143
75-01-4	Vinyl Chloride	25	24.8	99	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	95%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3568-BS	2P92659.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-6, FA98431-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	134	107	50-147
71-43-2	Benzene	25	26.3	105	81-122
108-86-1	Bromobenzene	25	23.0	92	80-121
74-97-5	Bromochloromethane	25	25.0	100	76-123
75-27-4	Bromodichloromethane	25	26.1	104	79-123
75-25-2	Bromoform	25	24.3	97	66-123
78-93-3	2-Butanone (MEK)	125	133	106	56-143
104-51-8	n-Butylbenzene	25	23.8	95	79-126
135-98-8	sec-Butylbenzene	25	26.4	106	83-133
98-06-6	tert-Butylbenzene	25	24.4	98	80-133
75-15-0	Carbon Disulfide	25	19.8	79	66-148
56-23-5	Carbon Tetrachloride	25	27.8	111	76-136
108-90-7	Chlorobenzene	25	24.9	100	82-124
75-00-3	Chloroethane	25	26.0	104	62-144
67-66-3	Chloroform	25	26.7	107	80-124
95-49-8	o-Chlorotoluene	25	23.6	94	81-127
106-43-4	p-Chlorotoluene	25	23.8	95	83-130
124-48-1	Dibromochloromethane	25	24.1	96	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	21.5	86	64-123
106-93-4	1,2-Dibromoethane	25	24.7	99	75-120
75-71-8	Dichlorodifluoromethane	25	34.3	137	42-167
95-50-1	1,2-Dichlorobenzene	25	24.2	97	82-124
541-73-1	1,3-Dichlorobenzene	25	24.6	98	84-125
106-46-7	1,4-Dichlorobenzene	25	24.1	96	78-120
75-34-3	1,1-Dichloroethane	25	27.7	111	81-122
107-06-2	1,2-Dichloroethane	25	25.6	102	75-125
75-35-4	1,1-Dichloroethylene	25	26.3	105	78-137
156-59-2	cis-1,2-Dichloroethylene	25	26.4	106	78-120
156-60-5	trans-1,2-Dichloroethylene	25	26.2	105	76-127
540-59-0	1,2-Dichloroethene (total)	50	52.6	105	77-122
78-87-5	1,2-Dichloropropane	25	25.8	103	76-124
142-28-9	1,3-Dichloropropane	25	22.5	90	80-118
594-20-7	2,2-Dichloropropane	25	25.8	103	74-139
563-58-6	1,1-Dichloropropene	25	27.4	110	79-131
10061-01-5	cis-1,3-Dichloropropene	25	26.0	104	75-118
10061-02-6	trans-1,3-Dichloropropene	25	26.0	104	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3568-BS	2P92659.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-6, FA98431-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	25.0	100	81-121
87-68-3	Hexachlorobutadiene	25	26.5	106	75-142
591-78-6	2-Hexanone	125	120	96	61-129
98-82-8	Isopropylbenzene	25	26.0	104	83-132
99-87-6	p-Isopropyltoluene	25	26.4	106	79-130
74-83-9	Methyl Bromide	25	23.8	95	59-143
74-87-3	Methyl Chloride	25	30.3	121	50-159
74-95-3	Methylene Bromide	25	24.8	99	78-119
75-09-2	Methylene Chloride	25	22.9	92	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	121	97	66-122
1634-04-4	Methyl Tert Butyl Ether	25	30.6	122*	72-117
91-20-3	Naphthalene	25	23.9	96	63-132
103-65-1	n-Propylbenzene	25	24.4	98	82-133
100-42-5	Styrene	25	25.4	102	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	25.1	100	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	23.0	92	72-120
127-18-4	Tetrachloroethylene	25	26.7	107	76-135
108-88-3	Toluene	25	24.4	98	80-120
87-61-6	1,2,3-Trichlorobenzene	25	24.4	98	68-131
120-82-1	1,2,4-Trichlorobenzene	25	23.9	96	73-129
71-55-6	1,1,1-Trichloroethane	25	28.1	112	75-130
79-00-5	1,1,2-Trichloroethane	25	25.0	100	76-119
79-01-6	Trichloroethylene	25	26.5	106	81-126
75-69-4	Trichlorofluoromethane	25	32.9	132	71-156
96-18-4	1,2,3-Trichloropropane	25	22.2	89	77-120
95-63-6	1,2,4-Trimethylbenzene	25	24.2	97	79-120
108-67-8	1,3,5-Trimethylbenzene	25	23.6	94	79-120
108-05-4	Vinyl Acetate	125	137	110	43-154
75-01-4	Vinyl Chloride	25	31.4	126	69-159
	m,p-Xylene	50	49.5	99	79-126
95-47-6	o-Xylene	25	25.3	101	80-127
1330-20-7	Xylene (total)	75	74.8	100	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2P3568-BS	2P92659.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-6, FA98431-10

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	79-125%
2037-26-5	Toluene-D8	95%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98452-2MS	O70821.D	1	09/01/22	JL	n/a	n/a	VO2808
FA98452-2MSD	O70822.D	1	09/01/22	JL	n/a	n/a	VO2808
FA98452-2	O70814.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-7

CAS No.	Compound	FA98452-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	120	96	125	119	95	1	50-147/21
71-43-2	Benzene	1.0 U		25	22.8	91	25	23.0	92	1	81-122/14
108-86-1	Bromobenzene	1.0 U		25	19.6	78*	25	20.5	82	4	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	23.5	94	25	23.5	94	0	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	22.2	89	25	22.3	89	0	79-123/19
75-25-2	Bromoform	1.0 U		25	19.3	77	25	20.3	81	5	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	111	89	125	109	87	2	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	18.7	75*	25	19.2	77*	3	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	22.7	91	25	22.8	91	0	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	20.8	83	25	21.2	85	2	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	20.2	81	25	20.9	84	3	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	23.3	93	25	23.7	95	2	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	21.4	86	25	21.7	87	1	82-124/14
75-00-3	Chloroethane	2.0 U		25	25.9	104	25	28.4	114	9	62-144/20
67-66-3	Chloroform	0.36	J	25	22.8	90	25	23.1	91	1	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	20.6	82	25	21.1	84	2	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	20.6	82*	25	21.1	84	2	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	19.2	77*	25	20.0	80	4	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	16.9	68	25	17.0	68	1	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	20.2	81	25	20.5	82	1	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	28.9	116	25	30.8	123	6	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	20.5	82	25	21.1	84	3	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	21.0	84	25	21.6	86	3	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	21.9	88	25	22.4	90	2	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	24.9	100	25	25.2	101	1	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	22.3	89	25	22.7	91	2	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	25.1	100	25	25.0	100	0	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	24.0	96	25	24.5	98	2	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	23.1	92	25	23.7	95	3	76-127/17
540-59-0	1,2-Dichloroethene (total)	2.0 U		50	47.2	94	50	48.2	96	2	77-122/15
78-87-5	1,2-Dichloropropane	1.0 U		25	21.6	86	25	22.0	88	2	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	18.8	75*	25	19.5	78*	4	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	18.5	74	25	18.6	74	1	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	23.7	95	25	23.3	93	2	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	19.1	76	25	19.5	78	2	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	20.8	83	25	22.0	88	6	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98452-2MS	O70821.D	1	09/01/22	JL	n/a	n/a	VO2808
FA98452-2MSD	O70822.D	1	09/01/22	JL	n/a	n/a	VO2808
FA98452-2	O70814.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-7

CAS No.	Compound	FA98452-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	1.0 U		25	21.4	86	25	21.7	87	1	81-121/14
87-68-3	Hexachlorobutadiene	2.0 U		25	20.1	80	25	20.9	84	4	75-142/19
591-78-6	2-Hexanone	10 U		125	108	86	125	108	86	0	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	21.8	87	25	22.1	88	1	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	21.9	88	25	22.1	88	1	79-130/16
74-83-9	Methyl Bromide	5.0 U		25	14.6	58*	25	17.6	70	19	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	26.0	104	25	28.1	112	8	50-159/19
74-95-3	Methylene Bromide	2.0 U		25	21.9	88	25	21.8	87	0	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	23.7	95	25	24.2	97	2	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	104	83	125	104	83	0	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	25.0	100	25	25.9	104	4	72-117/14
91-20-3	Naphthalene	5.0 U		25	18.9	76	25	19.9	80	5	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	21.1	84	25	21.4	86	1	82-133/15
100-42-5	Styrene	1.0 U		25	21.5	86	25	22.1	88	3	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	21.3	85	25	21.8	87	2	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	20.2	81	25	21.1	84	4	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	22.4	90	25	22.3	89	0	76-135/16
108-88-3	Toluene	1.0 U		25	21.3	85	25	21.9	88	3	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	19.0	76	25	19.7	79	4	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	18.7	75	25	19.8	79	6	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	24.2	97	25	24.5	98	1	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	21.4	86	25	22.0	88	3	76-119/14
79-01-6	Trichloroethylene	26.0		25	51.2	101	25	51.8	103	1	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	24.9	100	25	25.7	103	3	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	19.2	77	25	19.7	79	3	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	21.2	85	25	21.4	86	1	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	20.5	82	25	20.9	84	2	79-120/19
108-05-4	Vinyl Acetate	10 U		125	101	81	125	101	81	0	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	25.8	103	25	27.8	111	7	69-159/18
	m,p-Xylene	2.0 U		50	42.5	85	50	43.3	87	2	79-126/15
95-47-6	o-Xylene	1.0 U		25	21.1	84	25	21.6	86	2	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	63.6	85	75	64.9	87	2	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98452-2MS	O70821.D	1	09/01/22	JL	n/a	n/a	VO2808
FA98452-2MSD	O70822.D	1	09/01/22	JL	n/a	n/a	VO2808
FA98452-2	O70814.D	1	09/01/22	JL	n/a	n/a	VO2808

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-7

CAS No.	Surrogate Recoveries	MS	MSD	FA98452-2	Limits
1868-53-7	Dibromofluoromethane	100%	99%	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	96%	100%	79-125%
2037-26-5	Toluene-D8	94%	96%	97%	85-112%
460-00-4	4-Bromofluorobenzene	96%	98%	100%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98474-2MS	2P92641.D	1	09/01/22	CF	n/a	n/a	V2P3567
FA98474-2MSD	2P92643.D	1	09/02/22	CF	n/a	n/a	V2P3567
FA98474-2	2P92611.D	1	09/01/22	CF	n/a	n/a	V2P3567

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-8, FA98431-9, FA98431-11

CAS No.	Compound	FA98474-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	139	111	125	138	110	1	50-147/21
71-43-2	Benzene	0.90	J	25	26.0	100	25	26.9	104	3	81-122/14
108-86-1	Bromobenzene	1.0 U		25	22.3	89	25	23.3	93	4	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	24.2	97	25	24.6	98	2	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	24.1	96	25	25.2	101	4	79-123/19
75-25-2	Bromoform	1.0 U		25	21.2	85	25	21.7	87	2	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	139	111	125	139	111	0	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	21.3	85	25	22.9	92	7	79-126/16
135-98-8	sec-Butylbenzene	0.28	J	25	24.5	97	25	25.7	102	5	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	23.1	92	25	24.5	98	6	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	20.1	80	25	21.6	86	7	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	24.5	98	25	25.8	103	5	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	23.9	96	25	25.0	100	4	82-124/14
75-00-3	Chloroethane	2.0 U		25	29.4	118	25	28.7	115	2	62-144/20
67-66-3	Chloroform	1.0 U		25	25.5	102	25	26.5	106	4	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	23.8	95	25	25.0	100	5	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	22.9	92	25	24.3	97	6	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	21.9	88	25	22.4	90	2	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	20.5	82	25	20.8	83	1	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	23.5	94	25	24.0	96	2	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	36.2	145	25	35.7	143	1	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	22.5	90	25	23.6	94	5	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	23.2	93	25	24.5	98	5	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	22.3	89	25	23.6	94	6	78-120/15
75-34-3	1,1-Dichloroethane	0.68	J	25	27.9	109	25	28.9	113	4	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	24.9	100	25	25.2	101	1	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	27.2	109	25	28.2	113	4	78-137/18
156-59-2	cis-1,2-Dichloroethylene	0.73	J	25	26.0	101	25	26.9	105	3	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	26.1	104	25	27.1	108	4	76-127/17
540-59-0	1,2-Dichloroethene (total)	0.73	J	50	52.1	103	50	54.1	107	4	77-122/15
78-87-5	1,2-Dichloropropane	1.0 U		25	25.2	101	25	25.2	101	0	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	22.2	89	25	23.0	92	4	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	20.4	82	25	21.1	84	3	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	26.1	104	25	26.9	108	3	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	22.3	89	25	23.2	93	4	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	23.6	94	25	24.5	98	4	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98474-2MS	2P92641.D	1	09/01/22	CF	n/a	n/a	V2P3567
FA98474-2MSD	2P92643.D	1	09/02/22	CF	n/a	n/a	V2P3567
FA98474-2	2P92611.D	1	09/01/22	CF	n/a	n/a	V2P3567

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-8, FA98431-9, FA98431-11

CAS No.	Compound	FA98474-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	26.6		25	42.4	63*	25	44.7	72*	5	81-121/14
87-68-3	Hexachlorobutadiene	2.0 U		25	20.2	81	25	21.7	87	7	75-142/19
591-78-6	2-Hexanone	10 U		125	131	105	125	134	107	2	61-129/18
98-82-8	Isopropylbenzene	1.3		25	25.5	97	25	26.5	101	4	83-132/15
99-87-6	p-Isopropyltoluene	0.26	J	25	24.8	98	25	26.2	104	5	79-130/16
74-83-9	Methyl Bromide	5.0 U		25	22.3	89	25	22.9	92	3	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	33.7	135	25	33.2	133	1	50-159/19
74-95-3	Methylene Bromide	2.0 U		25	23.8	95	25	23.8	95	0	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	21.5	86	25	22.4	90	4	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	129	103	125	129	103	0	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	29.0	116	25	30.1	120*	4	72-117/14
91-20-3	Naphthalene	5.0 U		25	22.4	90	25	23.6	94	5	63-132/25
103-65-1	n-Propylbenzene	1.4		25	24.5	92	25	25.8	98	5	82-133/15
100-42-5	Styrene	1.0 U		25	23.1	92	25	24.0	96	4	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	23.2	93	25	24.6	98	6	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	23.4	94	25	24.2	97	3	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	23.6	94	25	25.2	101	7	76-135/16
108-88-3	Toluene	29.6		25	42.2	50*	25	45.1	62*	7	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	20.8	83	25	22.8	91	9	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	20.5	82	25	22.7	91	10	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	25.8	103	25	26.6	106	3	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	24.0	96	25	24.7	99	3	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	24.2	97	25	24.8	99	2	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	35.3	141	25	34.2	137	3	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	21.9	88	25	22.6	90	3	77-120/16
95-63-6	1,2,4-Trimethylbenzene	11.5		25	33.6	88	25	36.0	98	7	79-120/18
108-67-8	1,3,5-Trimethylbenzene	3.0		25	24.9	88	25	26.3	93	5	79-120/19
108-05-4	Vinyl Acetate	10 U		125	126	101	125	129	103	2	43-154/14
75-01-4	Vinyl Chloride	106	E	25	75.6	-122* [a]	25	86.1	-80* [a]	13	69-159/18
	m,p-Xylene	70.8		50	101	60*	50	106	70*	5	79-126/15
95-47-6	o-Xylene	31.3		25	49.5	73*	25	51.3	80	4	80-127/14
1330-20-7	Xylene (total)	102		75	150	64*	75	157	73*	5	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98474-2MS	2P92641.D	1	09/01/22	CF	n/a	n/a	V2P3567
FA98474-2MSD	2P92643.D	1	09/02/22	CF	n/a	n/a	V2P3567
FA98474-2	2P92611.D	1	09/01/22	CF	n/a	n/a	V2P3567

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-8, FA98431-9, FA98431-11

CAS No.	Surrogate Recoveries	MS	MSD	FA98474-2	Limits
1868-53-7	Dibromofluoromethane	98%	100%	94%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	98%	99%	79-125%
2037-26-5	Toluene-D8	97%	97%	98%	85-112%
460-00-4	4-Bromofluorobenzene	98%	98%	98%	83-118%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98458-1MS	Y64479.D	20	09/03/22	AL	n/a	n/a	VY2672
FA98458-1MSD	Y64480.D	20	09/03/22	AL	n/a	n/a	VY2672
FA98458-1	Y64474.D	10	09/03/22	AL	n/a	n/a	VY2672

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-9, FA98431-11

CAS No.	Compound	FA98458-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
78-93-3	2-Butanone (MEK)	ND		2500	2840	114	2500	2790	112	2	56-143/18
75-01-4	Vinyl Chloride	ND		500	540	108	500	577	115	7	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FA98458-1	Limits
1868-53-7	Dibromofluoromethane	95%	99%	94%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	103%	109%	79-125%
2037-26-5	Toluene-D8	96%	96%	101%	85-112%
460-00-4	4-Bromofluorobenzene	88%	88%	93%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98431-6MS	2P92697.D	1	09/06/22	CF	n/a	n/a	V2P3568
FA98431-6MSD	2P92699.D	1	09/06/22	CF	n/a	n/a	V2P3568
FA98431-6	2P92673.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-6, FA98431-10

CAS No.	Compound	FA98431-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	145	116	125	141	113	3	50-147/21
71-43-2	Benzene	1.0 U		25	29.3	117	25	29.5	118	1	81-122/14
108-86-1	Bromobenzene	1.0 U		25	23.6	94	25	23.4	94	1	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	26.2	105	25	26.3	105	0	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	26.3	105	25	27.2	109	3	79-123/19
75-25-2	Bromoform	1.0 U		25	21.0	84	25	21.1	84	0	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	144	115	125	143	114	1	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	23.1	92	25	23.5	94	2	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	26.8	107	25	26.4	106	2	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	24.9	100	25	24.8	99	0	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	20.1	80	25	21.1	84	5	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	27.8	111	25	29.5	118	6	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	25.7	103	25	25.6	102	0	82-124/14
75-00-3	Chloroethane	2.0 U		25	30.1	120	25	31.1	124	3	62-144/20
67-66-3	Chloroform	1.0 U		25	29.5	118	25	29.3	117	1	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	24.1	96	25	24.4	98	1	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	24.0	96	25	23.9	96	0	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	22.6	90	25	22.5	90	0	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	20.3	81	25	20.5	82	1	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	25.2	101	25	25.3	101	0	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	36.5	146	25	36.2	145	1	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	24.4	98	25	24.2	97	1	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	25.1	100	25	24.8	99	1	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	24.3	97	25	23.8	95	2	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	30.7	123*	25	30.9	124*	1	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	28.6	114	25	28.0	112	2	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	30.4	122	25	31.0	124	2	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.3		25	30.7	118	25	31.0	119	1	78-120/15
156-60-5	trans-1,2-Dichloroethylene	0.44	J	25	29.8	117	25	30.1	119	1	76-127/17
540-59-0	1,2-Dichloroethene (total)	1.7	J	50	60.5	118	50	61.1	119	1	77-122/15
78-87-5	1,2-Dichloropropane	1.0 U		25	27.6	110	25	28.0	112	1	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	23.3	93	25	23.1	92	1	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	20.5	82	25	20.8	83	1	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	29.7	119	25	29.8	119	0	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	24.0	96	25	24.4	98	2	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	24.0	96	25	24.0	96	0	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98431-6MS	2P92697.D	1	09/06/22	CF	n/a	n/a	V2P3568
FA98431-6MSD	2P92699.D	1	09/06/22	CF	n/a	n/a	V2P3568
FA98431-6	2P92673.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-6, FA98431-10

CAS No.	Compound	FA98431-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	1.0 U		25	26.1	104	25	25.7	103	2	81-121/14
87-68-3	Hexachlorobutadiene	2.0 U		25	25.1	100	25	25.1	100	0	75-142/19
591-78-6	2-Hexanone	10 U		125	123	98	125	121	97	2	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	26.7	107	25	26.7	107	0	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	26.4	106	25	26.4	106	0	79-130/16
74-83-9	Methyl Bromide	5.0 U		25	25.8	103	25	25.1	100	3	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	34.1	136	25	34.2	137	0	50-159/19
74-95-3	Methylene Bromide	2.0 U		25	27.2	109	25	26.9	108	1	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	24.4	98	25	24.5	98	0	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	127	102	125	125	100	2	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	31.0	124*	25	31.7	127*	2	72-117/14
91-20-3	Naphthalene	5.0 U		25	23.3	93	25	23.4	94	0	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	24.7	99	25	24.7	99	0	82-133/15
100-42-5	Styrene	1.0 U		25	26.2	105	25	26.0	104	1	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	24.6	98	25	25.2	101	2	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	24.3	97	25	24.1	96	1	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	26.4	106	25	26.3	105	0	76-135/16
108-88-3	Toluene	1.0 U		25	25.3	101	25	25.5	102	1	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	23.7	95	25	24.1	96	2	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	23.4	94	25	23.7	95	1	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	29.3	117	25	29.7	119	1	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	25.9	104	25	25.2	101	3	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	28.4	114	25	28.1	112	1	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	38.6	154	25	37.7	151	2	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	23.1	92	25	22.1	88	4	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	24.5	98	25	24.6	98	0	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	24.1	96	25	23.9	96	1	79-120/19
108-05-4	Vinyl Acetate	10 U		125	115	92	125	116	93	1	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	35.4	142	25	34.7	139	2	69-159/18
	m,p-Xylene	2.0 U		50	51.4	103	50	51.4	103	0	79-126/15
95-47-6	o-Xylene	1.0 U		25	26.6	106	25	26.8	107	1	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	78.0	104	75	78.2	104	0	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98431-6MS	2P92697.D	1	09/06/22	CF	n/a	n/a	V2P3568
FA98431-6MSD	2P92699.D	1	09/06/22	CF	n/a	n/a	V2P3568
FA98431-6	2P92673.D	1	09/06/22	CF	n/a	n/a	V2P3568

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98431-6, FA98431-10

CAS No.	Surrogate Recoveries	MS	MSD	FA98431-6	Limits
1868-53-7	Dibromofluoromethane	101%	102%	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	100%	99%	79-125%
2037-26-5	Toluene-D8	92%	91%	96%	85-112%
460-00-4	4-Bromofluorobenzene	98%	98%	98%	83-118%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-BFB
Lab File ID: 2P92263.D
Instrument ID: GCMS2P
Injection Date: 08/24/22
Injection Time: 09:49

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	60128	18.5		Pass
75	30.0 - 60.0% of mass 95	160765	49.4		Pass
95	Base peak, 100% relative abundance	325269	100.0		Pass
96	5.0 - 9.0% of mass 95	21171	6.51		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 100.0% of mass 95	238912	73.5		Pass
175	5.0 - 9.0% of mass 174	18335	5.64	(7.67) [a]	Pass
176	95.0 - 101.0% of mass 174	231146	71.1	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	15221	4.68	(6.59) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2P3560-IC3560	2P92263.D	08/24/22	09:50	00:01	Initial cal 1
V2P3560-IC3560	2P92265.D	08/24/22	10:22	00:33	Initial cal 2
V2P3560-IC3560	2P92267.D	08/24/22	10:54	01:05	Initial cal 3
V2P3560-IC3560	2P92269.D	08/24/22	11:26	01:37	Initial cal 4
V2P3560-ICC3560	2P92271.D	08/24/22	11:59	02:10	Initial cal 5
V2P3560-IC3560	2P92273.D	08/24/22	12:31	02:42	Initial cal 6
V2P3560-IC3560	2P92275.D	08/24/22	13:04	03:15	Initial cal 7
V2P3560-ICV3560	2P92279.D	08/24/22	14:09	04:20	Initial cal verification 5
V2P3560-CC3560	2P92279A.D	08/24/22	14:09	04:20	Continuing cal 5
V2P3560-ICV3560	2P92281.D	08/24/22	14:41	04:52	Initial cal verification 4
V2P3560-BS	2P92281A.D	08/24/22	14:41	04:52	Blank Spike
V2P3560-MB	2P92285.D	08/24/22	15:44	05:55	Method Blank
ZZZZZZ	2P92289.D	08/24/22	16:49	07:00	(unrelated sample)
ZZZZZZ	2P92293.D	08/24/22	17:52	08:03	(unrelated sample)
ZZZZZZ	2P92299.D	08/24/22	19:28	09:39	(unrelated sample)
FA98254-9	2P92303.D	08/24/22	20:31	10:42	(used for QC only; not part of job FA98431)
ZZZZZZ	2P92305.D	08/24/22	21:03	11:14	(unrelated sample)
FA98254-9MS	2P92307.D	08/24/22	21:35	11:46	Matrix Spike
FA98254-9MSD	2P92309.D	08/24/22	22:07	12:18	Matrix Spike Duplicate
V2P3560-ECC3560	2P92311.D	08/24/22	22:38	12:49	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-BFB
Lab File ID: 2P92601.D
Instrument ID: GCMS2P
Injection Date: 09/01/22
Injection Time: 13:03

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	61400	17.9		Pass
75	30.0 - 60.0% of mass 95	167472	48.7		Pass
95	Base peak, 100% relative abundance	343808	100.0		Pass
96	5.0 - 9.0% of mass 95	22920	6.67		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 100.0% of mass 95	254976	74.2		Pass
175	5.0 - 9.0% of mass 174	19205	5.59	(7.53) [a]	Pass
176	95.0 - 101.0% of mass 174	247082	71.9	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	16144	4.70	(6.53) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2P3567-CC3560	2P92601.D	09/01/22	13:04	00:01	Continuing cal 5
V2P3567-BS	2P92603.D	09/01/22	13:36	00:33	Blank Spike
V2P3567-MB	2P92607.D	09/01/22	14:40	01:37	Method Blank
ZZZZZZ	2P92609.D	09/01/22	15:12	02:09	(unrelated sample)
FA98474-2	2P92611.D	09/01/22	15:45	02:42	(used for QC only; not part of job FA98431)
ZZZZZZ	2P92613.D	09/01/22	16:17	03:14	(unrelated sample)
ZZZZZZ	2P92615.D	09/01/22	16:49	03:46	(unrelated sample)
ZZZZZZ	2P92617.D	09/01/22	17:21	04:18	(unrelated sample)
FA98431-8	2P92619.D	09/01/22	17:53	04:50	WSA-MW9-0822
FA98431-9	2P92621.D	09/01/22	18:26	05:23	WSA-VMW17-0822
FA98431-11	2P92623.D	09/01/22	18:58	05:55	WSA-MW16-0822-A
ZZZZZZ	2P92625.D	09/01/22	19:30	06:27	(unrelated sample)
ZZZZZZ	2P92627.D	09/01/22	20:02	06:59	(unrelated sample)
ZZZZZZ	2P92629.D	09/01/22	20:34	07:31	(unrelated sample)
ZZZZZZ	2P92631.D	09/01/22	21:06	08:03	(unrelated sample)
ZZZZZZ	2P92633.D	09/01/22	21:39	08:36	(unrelated sample)
ZZZZZZ	2P92635.D	09/01/22	22:11	09:08	(unrelated sample)
ZZZZZZ	2P92637.D	09/01/22	22:43	09:40	(unrelated sample)
ZZZZZZ	2P92639.D	09/01/22	23:15	10:12	(unrelated sample)
FA98474-2MS	2P92641.D	09/01/22	23:46	10:43	Matrix Spike
FA98474-2MSD	2P92643.D	09/02/22	00:18	11:15	Matrix Spike Duplicate
V2P3567-ECC3560	2P92645.D	09/02/22	00:50	11:47	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3568-BFB
Lab File ID: 2P92657.D
Instrument ID: GCMS2P
Injection Date: 09/06/22
Injection Time: 11:30

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	63869	18.5		Pass
75	30.0 - 60.0% of mass 95	169002	48.9		Pass
95	Base peak, 100% relative abundance	345770	100.0		Pass
96	5.0 - 9.0% of mass 95	22698	6.56		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 100.0% of mass 95	249920	72.3		Pass
175	5.0 - 9.0% of mass 174	19109	5.53	(7.65) [a]	Pass
176	95.0 - 101.0% of mass 174	242261	70.1	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	15345	4.44	(6.33) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2P3568-CC3560	2P92657.D	09/06/22	11:31	00:01	Continuing cal 5
V2P3568-BS	2P92659.D	09/06/22	12:04	00:34	Blank Spike
V2P3568-MB	2P92665.D	09/06/22	13:41	02:11	Method Blank
FA98431-10	2P92667.D	09/06/22	14:14	02:44	WSA-TB01-0822
ZZZZZZ	2P92669.D	09/06/22	14:46	03:16	(unrelated sample)
ZZZZZZ	2P92671.D	09/06/22	15:18	03:48	(unrelated sample)
FA98431-6	2P92673.D	09/06/22	15:50	04:20	WSA-MW21-0822
ZZZZZZ	2P92675.D	09/06/22	16:22	04:52	(unrelated sample)
ZZZZZZ	2P92677.D	09/06/22	16:54	05:24	(unrelated sample)
ZZZZZZ	2P92679.D	09/06/22	17:26	05:56	(unrelated sample)
ZZZZZZ	2P92681.D	09/06/22	17:58	06:28	(unrelated sample)
ZZZZZZ	2P92683.D	09/06/22	18:30	07:00	(unrelated sample)
ZZZZZZ	2P92685.D	09/06/22	19:02	07:32	(unrelated sample)
ZZZZZZ	2P92687.D	09/06/22	19:34	08:04	(unrelated sample)
ZZZZZZ	2P92689.D	09/06/22	20:06	08:36	(unrelated sample)
ZZZZZZ	2P92691.D	09/06/22	20:39	09:09	(unrelated sample)
ZZZZZZ	2P92693.D	09/06/22	21:12	09:42	(unrelated sample)
ZZZZZZ	2P92695.D	09/06/22	21:44	10:14	(unrelated sample)
FA98431-6MS	2P92697.D	09/06/22	22:17	10:47	Matrix Spike
FA98431-6MSD	2P92699.D	09/06/22	22:49	11:19	Matrix Spike Duplicate
V2P3568-ECC3560	2P92701.D	09/06/22	23:22	11:52	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-BFB
Lab File ID: O70541.D
Instrument ID: GCMSO
Injection Date: 08/23/22
Injection Time: 11:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	69296	19.8		Pass
75	30.0 - 60.0% of mass 95	173760	49.6		Pass
95	Base peak, 100% relative abundance	350208	100.0		Pass
96	5.0 - 9.0% of mass 95	23064	6.59		Pass
173	Less than 2.0% of mass 174	1598	0.46	(0.50) [a]	Pass
174	50.0 - 100.0% of mass 95	321301	91.7		Pass
175	5.0 - 9.0% of mass 174	22811	6.51	(7.10) [a]	Pass
176	95.0 - 101.0% of mass 174	310997	88.8	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	20228	5.78	(6.50) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2796-IC2796	O70542.D	08/23/22	12:41	01:35	Initial cal 1
VO2796-IC2796	O70543.D	08/23/22	13:05	01:59	Initial cal 2
VO2796-IC2796	O70544.D	08/23/22	13:30	02:24	Initial cal 3
VO2796-IC2796	O70545.D	08/23/22	13:55	02:49	Initial cal 4
VO2796-ICC2796	O70546.D	08/23/22	15:09	04:03	Initial cal 5
VO2796-IC2796	O70547.D	08/23/22	15:34	04:28	Initial cal 6
VO2796-IC2796	O70548.D	08/23/22	15:59	04:53	Initial cal 7
VO2796-ICV2796	O70550.D	08/23/22	16:49	05:43	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2808-BFB
Lab File ID: O70797.D
Instrument ID: GCMSO
Injection Date: 09/01/22
Injection Time: 11:28

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	68048	19.5		Pass
75	30.0 - 60.0% of mass 95	172672	49.4		Pass
95	Base peak, 100% relative abundance	349227	100.0		Pass
96	5.0 - 9.0% of mass 95	23443	6.71		Pass
173	Less than 2.0% of mass 174	1695	0.49	(0.53) [a]	Pass
174	50.0 - 100.0% of mass 95	320597	91.8		Pass
175	5.0 - 9.0% of mass 174	22611	6.47	(7.05) [a]	Pass
176	95.0 - 101.0% of mass 174	307477	88.0	(95.9) [a]	Pass
177	5.0 - 9.0% of mass 176	20872	5.98	(6.79) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2808-CC2796	O70797.D	09/01/22	11:29	00:01	Continuing cal 5
VO2808-BS	O70798.D	09/01/22	11:54	00:26	Blank Spike
VO2808-MB	O70800.D	09/01/22	12:44	01:16	Method Blank
ZZZZZZ	O70801.D	09/01/22	13:09	01:41	(unrelated sample)
ZZZZZZ	O70802.D	09/01/22	13:34	02:06	(unrelated sample)
ZZZZZZ	O70803.D	09/01/22	13:59	02:31	(unrelated sample)
ZZZZZZ	O70804.D	09/01/22	14:24	02:56	(unrelated sample)
ZZZZZZ	O70805.D	09/01/22	14:49	03:21	(unrelated sample)
ZZZZZZ	O70806.D	09/01/22	15:14	03:46	(unrelated sample)
FA98431-1	O70807.D	09/01/22	15:39	04:11	B817-MW-002-0822
FA98431-2	O70808.D	09/01/22	16:04	04:36	B817-MW-003-0822
FA98431-3	O70809.D	09/01/22	16:29	05:01	WSA-MW16-0822
FA98431-4	O70810.D	09/01/22	16:54	05:26	WSA-MW18-0822
FA98431-5	O70811.D	09/01/22	17:19	05:51	WSA-MW19-0822
FA98431-7	O70812.D	09/01/22	17:44	06:16	WSA-MW23-0822
ZZZZZZ	O70813.D	09/01/22	18:09	06:41	(unrelated sample)
FA98452-2	O70814.D	09/01/22	18:34	07:06	(used for QC only; not part of job FA98431)
ZZZZZZ	O70815.D	09/01/22	18:59	07:31	(unrelated sample)
ZZZZZZ	O70816.D	09/01/22	19:24	07:56	(unrelated sample)
ZZZZZZ	O70817.D	09/01/22	19:49	08:21	(unrelated sample)
ZZZZZZ	O70818.D	09/01/22	20:14	08:46	(unrelated sample)
ZZZZZZ	O70819.D	09/01/22	20:38	09:10	(unrelated sample)
ZZZZZZ	O70820.D	09/01/22	21:03	09:35	(unrelated sample)
FA98452-2MS	O70821.D	09/01/22	21:28	10:00	Matrix Spike

Instrument Performance Check (BFB)

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample:	VO2808-BFB	**Injection Date:**	09/01/22
Lab File ID:	O70797.D	**Injection Time:**	11:28
Instrument ID:	GCMSO		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
FA98452-2MSD	O70822.D	09/01/22	21:53	10:25	Matrix Spike Duplicate
VO2808-ECC2796	O70823.D	09/01/22	22:18	10:50	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-BFB
Lab File ID: Y64310.D
Instrument ID: GCMSY
Injection Date: 08/29/22
Injection Time: 12:11

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	32288	18.6		Pass
75	30.0 - 60.0% of mass 95	83378	48.0		Pass
95	Base peak, 100% relative abundance	173525	100.0		Pass
96	5.0 - 9.0% of mass 95	11168	6.44		Pass
173	Less than 2.0% of mass 174	482	0.28	(0.36) [a]	Pass
174	50.0 - 100.0% of mass 95	133221	76.8		Pass
175	5.0 - 9.0% of mass 174	9708	5.59	(7.29) [a]	Pass
176	95.0 - 101.0% of mass 174	130461	75.2	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	7943	4.58	(6.09) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY2666-IC2666	Y64311.D	08/29/22	13:05	00:54	Initial cal 1
VY2666-IC2666	Y64312.D	08/29/22	13:29	01:18	Initial cal 2
VY2666-IC2666	Y64313.D	08/29/22	13:54	01:43	Initial cal 3
VY2666-IC2666	Y64314.D	08/29/22	14:19	02:08	Initial cal 4
VY2666-ICC2666	Y64315.D	08/29/22	14:44	02:33	Initial cal 5
VY2666-IC2666	Y64316.D	08/29/22	15:09	02:58	Initial cal 6
VY2666-IC2666	Y64317.D	08/29/22	15:33	03:22	Initial cal 7

Instrument Performance Check (BFB)

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2667-BFB
Lab File ID: Y64321.D
Instrument ID: GCMSY
Injection Date: 08/30/22
Injection Time: 10:47

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	25536	18.4		Pass
75	30.0 - 60.0% of mass 95	67536	48.6		Pass
95	Base peak, 100% relative abundance	138954	100.0		Pass
96	5.0 - 9.0% of mass 95	9434	6.79		Pass
173	Less than 2.0% of mass 174	622	0.45	(0.58) [a]	Pass
174	50.0 - 100.0% of mass 95	106418	76.6		Pass
175	5.0 - 9.0% of mass 174	7583	5.46	(7.13) [a]	Pass
176	95.0 - 101.0% of mass 174	101480	73.0	(95.4) [a]	Pass
177	5.0 - 9.0% of mass 176	6567	4.73	(6.47) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY2667-CC2666	Y64322.D	08/30/22	11:12	00:25	Continuing cal 5
VY2666-ICV2666	Y64323.D	08/30/22	11:36	00:49	Initial cal verification 5
VY2667-BS	Y64324A.D	08/30/22	12:01	01:14	Blank Spike
VY2666-ICV2666	Y64324.D	08/30/22	12:01	01:14	Initial cal verification 4
VY2667-MB	Y64327.D	08/30/22	13:15	02:28	Method Blank
ZZZZZZ	Y64328.D	08/30/22	13:39	02:52	(unrelated sample)
ZZZZZZ	Y64329.D	08/30/22	14:04	03:17	(unrelated sample)
ZZZZZZ	Y64330.D	08/30/22	14:29	03:42	(unrelated sample)
ZZZZZZ	Y64331.D	08/30/22	14:54	04:07	(unrelated sample)
ZZZZZZ	Y64332.D	08/30/22	15:21	04:34	(unrelated sample)
ZZZZZZ	Y64333.D	08/30/22	15:46	04:59	(unrelated sample)
ZZZZZZ	Y64334.D	08/30/22	16:11	05:24	(unrelated sample)
ZZZZZZ	Y64335.D	08/30/22	16:36	05:49	(unrelated sample)
ZZZZZZ	Y64336.D	08/30/22	17:02	06:15	(unrelated sample)
ZZZZZZ	Y64337.D	08/30/22	17:28	06:41	(unrelated sample)
ZZZZZZ	Y64338.D	08/30/22	17:53	07:06	(unrelated sample)
ZZZZZZ	Y64339.D	08/30/22	18:19	07:32	(unrelated sample)
ZZZZZZ	Y64340.D	08/30/22	18:44	07:57	(unrelated sample)
ZZZZZZ	Y64341.D	08/30/22	19:09	08:22	(unrelated sample)
ZZZZZZ	Y64342.D	08/30/22	19:34	08:47	(unrelated sample)
FA98360-2	Y64344.D	08/30/22	20:24	09:37	(used for QC only; not part of job FA98431)
FA98360-2MS	Y64345.D	08/30/22	20:49	10:02	Matrix Spike
FA98360-2MSD	Y64346.D	08/30/22	21:14	10:27	Matrix Spike Duplicate
VY2667-ECC2666	Y64347.D	08/30/22	21:39	10:52	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2672-BFB
Lab File ID: Y64453.D
Instrument ID: GCMSY
Injection Date: 09/03/22
Injection Time: 10:04

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	28760	18.7		Pass
75	30.0 - 60.0% of mass 95	74152	48.2		Pass
95	Base peak, 100% relative abundance	153813	100.0		Pass
96	5.0 - 9.0% of mass 95	10712	6.96		Pass
173	Less than 2.0% of mass 174	401	0.26	(0.38) [a]	Pass
174	50.0 - 100.0% of mass 95	105275	68.4		Pass
175	5.0 - 9.0% of mass 174	7304	4.75	(6.94) [a]	Pass
176	95.0 - 101.0% of mass 174	100395	65.3	(95.4) [a]	Pass
177	5.0 - 9.0% of mass 176	6112	3.97	(6.09) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY2672-CC2666	Y64454.D	09/03/22	10:28	00:24	Continuing cal 5
VY2672-BS	Y64455.D	09/03/22	10:53	00:49	Blank Spike
VY2672-MB	Y64458.D	09/03/22	12:06	02:02	Method Blank
ZZZZZZ	Y64459.D	09/03/22	12:30	02:26	(unrelated sample)
ZZZZZZ	Y64460.D	09/03/22	12:55	02:51	(unrelated sample)
ZZZZZZ	Y64461.D	09/03/22	13:20	03:16	(unrelated sample)
FA98431-9	Y64462.D	09/03/22	13:44	03:40	WSA-VMW17-0822
FA98431-11	Y64463.D	09/03/22	14:09	04:05	WSA-MW16-0822-A
ZZZZZZ	Y64464.D	09/03/22	14:33	04:29	(unrelated sample)
ZZZZZZ	Y64465.D	09/03/22	14:58	04:54	(unrelated sample)
ZZZZZZ	Y64466.D	09/03/22	15:22	05:18	(unrelated sample)
ZZZZZZ	Y64467.D	09/03/22	15:47	05:43	(unrelated sample)
ZZZZZZ	Y64468.D	09/03/22	16:12	06:08	(unrelated sample)
ZZZZZZ	Y64469.D	09/03/22	16:37	06:33	(unrelated sample)
ZZZZZZ	Y64470.D	09/03/22	17:01	06:57	(unrelated sample)
ZZZZZZ	Y64471.D	09/03/22	17:26	07:22	(unrelated sample)
ZZZZZZ	Y64472.D	09/03/22	17:51	07:47	(unrelated sample)
ZZZZZZ	Y64473.D	09/03/22	18:16	08:12	(unrelated sample)
FA98458-1	Y64474.D	09/03/22	18:41	08:37	(used for QC only; not part of job FA98431)
ZZZZZZ	Y64475.D	09/03/22	19:05	09:01	(unrelated sample)
ZZZZZZ	Y64476.D	09/03/22	19:30	09:26	(unrelated sample)
ZZZZZZ	Y64477.D	09/03/22	19:55	09:51	(unrelated sample)
FA98458-1MS	Y64479.D	09/03/22	20:44	10:40	Matrix Spike
FA98458-1MSD	Y64480.D	09/03/22	21:09	11:05	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample:	VY2672-BFB	**Injection Date:**	09/03/22
Lab File ID:	Y64453.D	**Injection Time:**	10:04
Instrument ID:	GCMSY		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY2672-ECC2666	Y64481.D	09/03/22	21:33	11:29	Ending cal 5

Internal Standard Area Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V2P3567-CC3560	**Injection Date:**	09/01/22
Lab File ID:	2P92601.D	**Injection Time:**	13:04
Instrument ID:	GCMS2P	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	1362226	3.72	951717	5.64	439370	7.33
Check Std [b]	1241494	3.72	926048	5.64	436690	7.33
Upper Limit [c]	2482988	3.89	1852096	5.81	873380	7.50
Lower Limit [d]	620747	3.55	463024	5.47	218345	7.16

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2P3567-BS	1238897	3.72	914632	5.64	434633	7.33
ZZZZZZ	1122654	3.72	799760	5.64	366314	7.33

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: V2P3560-ICC3560 2P92271.D 08/24/22 11:59
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V2P3568-CC3560	**Injection Date:**	09/06/22
Lab File ID:	2P92657.D	**Injection Time:**	11:31
Instrument ID:	GCMS2P	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	1362226	3.72	951717	5.64	439370	7.33
Check Std [b]	1185534	3.72	897620	5.64	432831	7.33
Upper Limit [c]	2371068	3.89	1795240	5.81	865662	7.50
Lower Limit [d]	592767	3.55	448810	5.47	216416	7.16

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2P3568-BS	1192733	3.72	906527	5.64	436090	7.33
V2P3568-MB	1091554	3.72	804032	5.64	379797	7.33
FA98431-10 [e]	1075754	3.73	798434	5.64	380022	7.33
ZZZZZZ	1058548	3.72	785581	5.64	372895	7.33
ZZZZZZ	1059621	3.72	785366	5.64	376306	7.33
FA98431-6	1040171	3.72	772796	5.64	362466	7.33
ZZZZZZ	1057309	3.72	787217	5.64	375033	7.33
ZZZZZZ	1055415	3.72	788432	5.64	371543	7.33
ZZZZZZ	1081832	3.72	793144	5.64	376934	7.34
ZZZZZZ	1060098	3.72	781766	5.64	373013	7.33
ZZZZZZ	1061756	3.72	795698	5.64	380047	7.33
ZZZZZZ	1051604	3.72	802642	5.64	396943	7.33
ZZZZZZ	1096942	3.72	847294	5.64	419881	7.33
ZZZZZZ	1063629	3.72	818535	5.64	388119	7.33
ZZZZZZ	1062079	3.72	806067	5.64	390026	7.33
ZZZZZZ	1042863	3.73	791198	5.64	381763	7.33
ZZZZZZ	1047014	3.72	803061	5.65	384250	7.33
FA98431-6MS	1062392	3.72	844923	5.64	407740	7.33
FA98431-6MSD	1091701	3.72	868837	5.64	420430	7.33
V2P3568-ECC3560	1158151	3.72	926208	5.64	451879	7.33

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: V2P3560-ICC3560 2P92271.D 08/24/22 11:59
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) Sample vial(s) contained bubbles greater than 6mm.

Internal Standard Area Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	VO2808-CC2796	**Injection Date:**	09/01/22
Lab File ID:	O70797.D	**Injection Time:**	11:29
Instrument ID:	GCMSO	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	1693712	8.84	1341945	11.99	687478	14.35
Check Std [b]	1541756	8.84	1292655	11.99	682138	14.35
Upper Limit [c]	3083512	9.01	2585310	12.16	1364276	14.52
Lower Limit [d]	770878	8.67	646328	11.82	341069	14.18

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VO2808-BS	1578810	8.84	1310031	11.99	683610	14.35
VO2808-MB	1450449	8.84	1156336	11.99	590094	14.35
ZZZZZZ	1443839	8.84	1170510	11.99	600838	14.35
ZZZZZZ	1453680	8.84	1177595	11.99	602186	14.35
ZZZZZZ	1441868	8.84	1156730	11.99	592209	14.35
ZZZZZZ	1407874	8.84	1133582	11.99	582253	14.35
ZZZZZZ	1376871	8.84	1111269	11.99	566099	14.35
ZZZZZZ	1391140	8.84	1129112	11.99	577020	14.35
FA98431-1	1391614	8.84	1129238	11.99	576073	14.35
FA98431-2	1370962	8.84	1109325	11.99	566069	14.35
FA98431-3 [e]	1409197	8.84	1150275	11.99	589945	14.35
FA98431-4	1381503	8.84	1127121	11.99	575086	14.35
FA98431-5	1364232	8.84	1092761	11.99	559047	14.35
FA98431-7	1363283	8.84	1108199	11.99	562471	14.35
ZZZZZZ	1336268	8.84	1077623	11.99	544721	14.35
FA98452-2	1340650	8.84	1094155	11.99	551626	14.35
ZZZZZZ	1365188	8.84	1105376	11.99	560814	14.35
ZZZZZZ	1309455	8.84	1069375	11.99	544865	14.35
ZZZZZZ	1327042	8.84	1077667	11.99	545075	14.35
ZZZZZZ	1318907	8.84	1067581	11.99	540732	14.35
ZZZZZZ	1301122	8.84	1043928	11.99	523096	14.35
ZZZZZZ	1293068	8.84	1039604	11.99	519388	14.35
FA98452-2MS	1403173	8.84	1188284	11.99	624819	14.35
FA98452-2MSD	1487089	8.84	1227778	11.99	644942	14.35
VO2808-ECC27961427208		8.84	1199052	11.99	625730	14.35

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: VO2796-ICC2796 O70546.D 08/23/22 15:09
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.

Internal Standard Area Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	VO2808-CC2796	**Injection Date:**	09/01/22
Lab File ID:	O70797.D	**Injection Time:**	11:29
Instrument ID:	GCMSO	**Method:**	SW846 8260D

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT

(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) Sample vial(s) contained bubbles greater than 6mm.

Internal Standard Area Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	VY2672-CC2666	**Injection Date:**	09/03/22
Lab File ID:	Y64454.D	**Injection Time:**	10:28
Instrument ID:	GCMSY	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	767973	9.50	617075	12.15	336296	13.77
Check Std [b]	593514	9.50	540662	12.15	277660	13.77
Upper Limit [c]	1187028	9.67	1081324	12.32	555320	13.94
Lower Limit [d]	296757	9.33	270331	11.98	138830	13.60

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VY2672-BS	628713	9.50	556556	12.15	285059	13.77
VY2672-MB	535524	9.50	459892	12.15	216194	13.77
ZZZZZZ	517953	9.50	455877	12.15	203909	13.77
ZZZZZZ	516324	9.50	438070	12.15	201281	13.77
ZZZZZZ	496294	9.50	433020	12.15	191447	13.77
FA98431-9	492835	9.50	424038	12.15	190725	13.77
FA98431-11	479872	9.50	413265	12.15	183736	13.77
ZZZZZZ	467585	9.50	400288	12.15	177062	13.77
ZZZZZZ	461874	9.50	400596	12.15	175036	13.77
ZZZZZZ	456388	9.50	400629	12.15	178172	13.77
ZZZZZZ	452299	9.50	388460	12.15	173578	13.77
ZZZZZZ	448269	9.50	387833	12.15	175828	13.77
ZZZZZZ	443362	9.50	379542	12.15	173410	13.77
ZZZZZZ	445503	9.50	384254	12.15	174876	13.77
ZZZZZZ	449429	9.50	387197	12.15	177600	13.77
ZZZZZZ	448776	9.50	383441	12.15	178778	13.77
ZZZZZZ	439661	9.50	381290	12.15	174744	13.77
FA98458-1	445423	9.50	382367	12.15	173439	13.77
ZZZZZZ	434797	9.50	365098	12.15	165331	13.77
ZZZZZZ	423395	9.50	361299	12.15	165471	13.77
ZZZZZZ	421480	9.50	354669	12.15	158059	13.77
FA98458-1MS	474564	9.50	432605	12.15	215048	13.77
FA98458-1MSD	512345	9.50	463389	12.15	235736	13.77
VY2672-ECC2666	547950	9.50	509611	12.15	259278	13.77

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: VY2666-ICC2666 Y64315.D 08/29/22 14:44
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
FA98431-1	O70807.D	95	99	98	99
FA98431-2	O70808.D	96	100	98	99
FA98431-3	O70809.D	97	103	97	100
FA98431-4	O70810.D	96	100	98	99
FA98431-5	O70811.D	96	98	99	99
FA98431-6	2P92673.D	95	99	96	98
FA98431-7	O70812.D	96	101	98	100
FA98431-8	2P92619.D	95	100	98	99
FA98431-9	Y64462.D	94	103	99	93
FA98431-9	2P92621.D	95	100	100	99
FA98431-10	2P92667.D	97	99	96	96
FA98431-11	Y64463.D	97	106	100	93
FA98431-11	2P92623.D	95	101	98	98
FA98431-6MS	2P92697.D	101	100	92	98
FA98431-6MSD	2P92699.D	102	100	91	98
FA98452-2MS	O70821.D	100	99	94	96
FA98452-2MSD	O70822.D	99	96	96	98
FA98458-1MS	Y64479.D	95	104	96	88
FA98458-1MSD	Y64480.D	99	103	96	88
FA98474-2MS	2P92641.D	98	100	97	98
FA98474-2MSD	2P92643.D	100	98	97	98
V2P3567-BS	2P92603.D	101	102	97	98
V2P3567-MB	2P92607.D	95	102	99	97
V2P3568-BS	2P92659.D	104	102	95	98
V2P3568-MB	2P92665.D	96	97	96	98
VO2808-BS	O70798.D	99	99	96	99
VO2808-MB	O70800.D	94	97	99	99
VY2672-BS	Y64455.D	99	98	97	95
VY2672-MB	Y64458.D	94	101	101	96

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Initial Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICC3560
Lab FileID: 2P92271.D

Response Factor Report MSVOA13

Method : C:\msdchem\1\MET...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration

Calibration Files
1 =2P92263.D 2 =2P92265.D 3 =2P92267.D 4 =2P92269.D
5 =2P92271.D 6 =2P92273.D 7 =2P92275.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	----------ISTD----------								
2) Dichlorodifluorom	0.137	0.141	0.121	0.116	0.147	0.141	0.139	0.135	8.40
3)P Chloromethane	0.143	0.159	0.148	0.141	0.152	0.164	0.160	0.153	5.77
4) 1,3-butadiene	0.137	0.161	0.115	0.132	0.145	0.155	0.148	0.142	10.93
5)C Vinyl Chloride	0.168	0.189	0.176	0.174	0.194	0.201	0.200	0.186	7.09
6) Bromomethane	0.128	0.131	0.120	0.111	0.109	0.106	0.100	0.115	10.11
7) Chloroethane	0.096	0.089	0.066	0.056	0.056	0.057	0.054	0.068	25.99
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9946									
Response Ratio = 0.00000 + 0.06373 *A + -0.00506 *A^2									
8) Trichlorofluorome	0.170	0.233	0.210	0.188	0.212	0.145	0.100	0.180	25.44
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9923									
Response Ratio = 0.00000 + 0.24268 *A + -0.06989 *A^2									
9) Ethyl Ether	0.157	0.193	0.164	0.164	0.176	0.195	0.168	0.174	8.47
10) Ethanol	0.006	0.006	0.004	0.005	0.005	0.005	0.004	0.005	14.87
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9962									
Response Ratio = 0.00000 + 0.00560 *A + -0.00004 *A^2									
11) 1,2-Dichlorotrifl	0.137	0.175	0.142	0.155	0.170	0.179	0.181	0.163	11.20
12)C 1,1-Dichloroethen	0.192	0.254	0.203	0.229	0.249	0.267	0.270	0.238	12.96
13) Freon 113	0.110	0.157	0.121	0.137	0.163	0.166	0.168	0.146	16.08
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9973									
Response Ratio = 0.00000 + 0.13945 *A + 0.01587 *A^2									
14) Carbon Disulfide	0.327	0.367	0.315	0.369	0.424	0.472	0.493	0.395	17.55
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9986									
Response Ratio = 0.00000 + 0.34698 *A + 0.07745 *A^2									
15) Iodomethane	0.063	0.060	0.067	0.094	0.117	0.129	0.125	0.094	32.53
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9924									
Response Ratio = 0.00000 + 0.08797 *A + 0.02186 *A^2									
16) Acrolein	0.053	0.068	0.057	0.064	0.065	0.070	0.068	0.064	9.99
17) Allyl chloride	0.149	0.177	0.132	0.164	0.180	0.194	0.201	0.171	14.31
18) Methylene Chlorid	0.881	0.353	0.258	0.232	0.228	0.237	0.220	0.344	69.96
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9913									
Response Ratio = 0.00000 + 0.27200 *A + -0.02738 *A^2									
19) Acetone	0.178	0.129	0.107	0.114	0.110	0.115	0.108	0.123	20.64
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9985									
Response Ratio = 0.00000 + 0.11705 *A + -0.00078 *A^2									
20) Methyl acetate	0.197	0.245	0.220	0.234	0.238	0.253	0.241	0.233	7.97
21) trans-1,2-Dichlor	0.190	0.260	0.218	0.233	0.245	0.268	0.271	0.241	12.22
22) Hexane	0.097	0.115	0.088	0.105	0.130	0.140	0.144	0.117	18.42

Initial Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICC3560
Lab FileID: 2P92271.D

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            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9969
              Response Ratio = 0.00000 + 0.10376 *A + 0.02196 *A^2

23)  Methyl Tert Butyl 0.444 0.567 0.504 0.541 0.565 0.616 0.604 0.549  10.83
24)  Tert Butyl Alcoho 0.060 0.071 0.062 0.071 0.070 0.073 0.068 0.068   7.11
25)  Acetonitrile      0.040 0.046 0.034 0.037 0.035             0.038  12.26
26)  Di-isopropyl ethe 0.417 0.549 0.470 0.487 0.520 0.568 0.557 0.510  10.73
27)  Chloroprene       0.771 0.769 0.633 0.702 0.715 0.754 0.736 0.726   6.66
28)P 1,1-Dichloroethan 0.267 0.334 0.287 0.307 0.325 0.349 0.346 0.317   9.74
29)  Acrylonitrile     0.125 0.122 0.101 0.111 0.112 0.117 0.115 0.115   6.99
30)  ETBE              0.468 0.624 0.553 0.584 0.618 0.672 0.661 0.597  11.73
31)  Vinyl acetate     0.382 0.422 0.356 0.398 0.424 0.450 0.442 0.411   8.19
32)  cis-1,2-Dichloroe 0.161 0.208 0.173 0.181 0.192 0.204 0.203 0.189   9.36
33)  2,2-Dichloropropa 0.171 0.240 0.207 0.233 0.259 0.288 0.295 0.242  18.13
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
              Response Ratio = 0.00000 + 0.22221 *A + 0.03923 *A^2

34)  Bromochloromethan 0.078 0.093 0.083 0.082 0.085 0.090 0.087 0.085   5.86
35)  Cyclohexane       0.221 0.301 0.250 0.275 0.316 0.332 0.346 0.292  15.50
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
              Response Ratio = 0.00000 + 0.27060 *A + 0.03946 *A^2

36)C Chloroform        0.239 0.346 0.294 0.307 0.330 0.355 0.353 0.318  13.15
37)  Ethyl acetate     0.307 0.327 0.275 0.303 0.310 0.331 0.321 0.311   6.06
38)  Tetrahydrofuran   0.116 0.130 0.106 0.115 0.117 0.124 0.120 0.119   6.36
39)S Dibromofluorometh 0.201 0.209 0.212 0.215 0.215 0.216 0.219 0.213   2.70
40)  Carbon Tetrachlor 0.133 0.201 0.158 0.188 0.208 0.224 0.238 0.193  18.93
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9989
              Response Ratio = 0.00000 + 0.17573 *A + 0.03201 *A^2

41)  1,1,1-Trichloroet 0.202 0.274 0.230 0.263 0.285 0.306 0.312 0.268  14.81
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9990
              Response Ratio = 0.00000 + 0.25339 *A + 0.03146 *A^2

42)  2-Butanone        0.303 0.223 0.179 0.193 0.185 0.197 0.189 0.210  20.66
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9985
              Response Ratio = 0.00000 + 0.19499 *A + -0.00048 *A^2

43)  1,1-Dichloroprope 0.191 0.253 0.212 0.232 0.249 0.263 0.268 0.238  11.76
44)  tert-Butyl format 0.089 0.119 0.106 0.125 0.145 0.166 0.170 0.132  23.11
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9979
              Response Ratio = 0.00000 + 0.11733 *A + 0.00574 *A^2

45)  Propionitrile     0.054 0.070 0.053 0.062 0.061 0.064 0.064 0.061   9.67
46)  Methacrylonitrile 0.136 0.182 0.141 0.164 0.168 0.178 0.172 0.163  11.02
47)  Benzene           0.645 0.813 0.706 0.727 0.769 0.835 0.832 0.761   9.43
48)  TAME              0.409 0.561 0.496 0.534 0.565 0.623 0.611 0.543  13.50
49)S 1,2-Dichloroethan 0.293 0.293 0.297 0.297 0.304 0.290 0.293 0.295   1.53
50)  Isobutyl alcohol  0.025 0.034 0.029 0.034 0.034 0.033 0.031 0.031  10.88
51)  1,2-Dichloroethan 0.241 0.289 0.254 0.262 0.277 0.294 0.288 0.272   7.42
52)  Tert Amyl Alcohol 0.038 0.054 0.050 0.057 0.058 0.062 0.059 0.054  15.10
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9982
              Response Ratio = 0.00000 + 0.05596 *A + 0.00021 *A^2

53)  Trichloroethene   0.191 0.207 0.173 0.183 0.194 0.210 0.212 0.196   7.52
54)  Methylcyclohexane 0.192 0.262 0.213 0.237 0.283 0.299 0.314 0.257  17.68
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
              Response Ratio = 0.00000 + 0.23271 *A + 0.04298 *A^2

55)  Dibromomethane    0.093 0.111 0.097 0.105 0.111 0.120 0.118 0.108   9.54
```

Initial Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICC3560
Lab FileID: 2P92271.D

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56)C 1,2-Dichloropropa 0.144 0.197 0.170 0.182 0.190 0.206 0.205 0.185  11.88
57)  Bromodichlorometh 0.124 0.182 0.162 0.188 0.212 0.241 0.244 0.193  22.37
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9982
              Response Ratio = 0.00000 + 0.17720 *A + 0.03671 *A^2

58)  Methyl methacryla 0.163 0.200 0.161 0.206 0.216 0.236 0.239 0.203  15.49
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
              Response Ratio = 0.00000 + 0.19091 *A + 0.02627 *A^2

59)  1,4-Dioxane       0.005 0.006 0.006 0.006 0.006 0.006 0.005 0.006   7.44
60)  2-Chloroethyl vin 0.118 0.161 0.137 0.150 0.162 0.175 0.174 0.154  13.44
61)  cis-1,3-Dichlorop 0.159 0.225 0.211 0.247 0.274 0.312 0.309 0.248  22.33
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9977
              Response Ratio = 0.00000 + 0.23328 *A + 0.04258 *A^2


62) I   Chlorobenzene-d5      ----------------ISTD--------------------
63)S Toluene-d8        1.388 1.371 1.377 1.380 1.387 1.353 1.375 1.376   0.85
64)C Toluene           1.076 1.275 1.089 1.120 1.182 1.261 1.260 1.180   7.32
65)  2-Nitropropane    0.046 0.064 0.061 0.087 0.103 0.122 0.122 0.086  35.24
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9947
              Response Ratio = 0.00000 + 0.07723 *A + 0.00500 *A^2

66)  4-Methyl-2-pentan 0.473 0.484 0.404 0.446 0.452 0.475 0.454 0.455   5.83
67)  trans-1,3-Dichlor 0.213 0.292 0.285 0.322 0.362 0.397 0.393 0.323  20.59
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
              Response Ratio = 0.00000 + 0.31086 *A + 0.04684 *A^2

68)  Tetrachloroethene 0.227 0.268 0.224 0.243 0.256 0.269 0.267 0.251   7.77
69)  Ethyl methacrylat 0.256 0.421 0.336 0.406 0.440 0.472 0.473 0.400  19.69
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
              Response Ratio = 0.00000 + 0.38873 *A + 0.04695 *A^2

70)  1,1,2-Trichloroet 0.170 0.218 0.188 0.197 0.207 0.221 0.213 0.202   9.01
71)  Dibromochlorometh 0.114 0.175 0.163 0.199 0.224 0.254 0.254 0.198  26.01
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9976
              Response Ratio = 0.00000 + 0.18521 *A + 0.03845 *A^2

72)  1,3-Dichloropropa 0.406 0.488 0.409 0.428 0.454 0.484 0.473 0.449   7.77
73)  1,2-Dibromoethane 0.188 0.254 0.225 0.239 0.255 0.279 0.269 0.244  12.48
74)  3,3-dimethyl-1-bu 0.063 0.096 0.085 0.102 0.105 0.108 0.100 0.094  16.53
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9976
              Response Ratio = 0.00000 + 0.10092 *A + 0.00002 *A^2

75)  2-hexanone        0.517 0.546 0.461 0.527 0.522 0.526 0.480 0.511   5.77
76)  1-Chlorohexane    0.376 0.395 0.320 0.342 0.379 0.410 0.414 0.376   9.19
77)C Ethylbenzene      1.129 1.390 1.181 1.236 1.322 1.402 1.402 1.295   8.73
78)P Chlorobenzene     0.634 0.766 0.642 0.676 0.709 0.763 0.757 0.707   8.13
79)  1,1,1,2-Tetrachlo 0.145 0.213 0.190 0.209 0.232 0.257 0.254 0.214  18.21
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9982
              Response Ratio = 0.00000 + 0.20474 *A + 0.02784 *A^2

80)  m,p-Xylene        0.861 1.084 0.932 0.982 1.054 1.129 1.125 1.024   9.98
81)  o-Xylene          0.808 1.063 0.937 0.977 1.039 1.118 1.111 1.008  10.91
82)  Styrene           0.585 0.768 0.681 0.758 0.822 0.902 0.880 0.771  14.44
83)P Bromoform         0.052 0.088 0.082 0.107 0.122 0.147 0.147 0.106  32.85
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9964
              Response Ratio = 0.00000 + 0.09538 *A + 0.02857 *A^2

84)  Isopropylbenzene  0.935 1.217 1.033 1.121 1.221 1.304 1.308 1.163  12.06
```

Initial Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICC3560
Lab FileID: 2P92271.D

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 85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
 86)S 4-Bromofluorobenz 0.776 0.769 0.776 0.789 0.773 0.782 0.795 0.780   1.16
 87)  cis-1,4-Dichloro- 0.220 0.273 0.218 0.273 0.296 0.342 0.354 0.282  18.95
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
               Response Ratio = 0.00000 + 0.24838 *A + 0.05642 *A^2

 88)  n-Propylbenzene   2.531 3.209 2.723 2.939 3.141 3.434 3.496 3.068  11.65
 89)  Bromobenzene      0.512 0.677 0.572 0.600 0.626 0.681 0.673 0.620  10.25
 90)P 1,1,2,2-Tetrachlo 0.676 0.857 0.776 0.831 0.849 0.911 0.894 0.828   9.63
 91)  1,3,5-Trimethylbe 1.672 2.276 1.931 2.038 2.194 2.397 2.444 2.136  12.87
 92)  2-Chlorotoluene   1.522 1.982 1.680 1.781 1.878 2.045 2.073 1.851  10.97
 93)  trans-1,4-Dichlor 0.289 0.347 0.305 0.350 0.372 0.415 0.404 0.355  13.28
 94)  1,2,3-Trichloropr 0.270 0.314 0.297 0.307 0.312 0.336 0.324 0.309   6.86
 95)  Cyclohexanone     0.063 0.066 0.058 0.070 0.066 0.067 0.063 0.065   5.54
 96)  4-Chlorotoluene   1.667 2.091 1.747 1.892 1.946 2.149 2.168 1.951  10.06
 97)  tert-Butylbenzene 0.902 1.217 1.062 1.131 1.202 1.330 1.366 1.173  13.57
 98)  a-Methyl styrene                                           0.000  -1.00
 99)  1,2,4-Trimethylbe 1.708 2.152 1.861 2.027 2.130 2.343 2.361 2.083  11.50
100)  Pentachloroethane 0.153 0.233 0.186 0.259 0.278 0.317 0.330 0.251  25.97
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9980
               Response Ratio = 0.00000 + 0.22648 *A + 0.05530 *A^2

101)  sec-Butylbenzene  1.827 2.387 1.980 2.165 2.359 2.562 2.619 2.271  12.97
102)  4-Isopropyltoluen 1.433 2.038 1.766 1.928 2.085 2.279 2.346 1.982  15.76
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9993
               Response Ratio = 0.00000 + 1.85030 *A + 0.26250 *A^2

103)  1,3-Dichlorobenze 0.972 1.198 1.019 1.072 1.110 1.222 1.205 1.114   8.81
104)  1,2,3-Trimethylbe 1.688 2.233 1.913 2.008 2.125 2.322 2.339 2.090  11.34
105)  1,4-Dichlorobenze 1.025 1.297 1.067 1.109 1.171 1.247 1.234 1.164   8.67
106)  n-Butylbenzene    0.710 1.029 0.864 0.937 1.024 1.116 1.137 0.974  15.43
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9989
               Response Ratio = 0.00000 + 0.91407 *A + 0.11950 *A^2

107)  Benzyl Chloride   0.104 0.152 0.162 0.225 0.282 0.347 0.357 0.233  42.56
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9951
               Response Ratio = 0.00000 + 0.19341 *A + 0.08927 *A^2

108)  1,2-Dichlorobenze 0.909 1.122 0.944 1.021 1.055 1.145 1.125 1.046   8.88
109)  1,2-Dibromo-3-Chl 0.116 0.152 0.146 0.188 0.200 0.236 0.236 0.182  25.23
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9975
               Response Ratio = 0.00000 + 0.16732 *A + 0.03807 *A^2

110)  Hexachlorobutadie 0.152 0.216 0.165 0.172 0.201 0.215 0.223 0.192  14.82
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9980
               Response Ratio = 0.00000 + 0.17454 *A + 0.02550 *A^2

111)  1,2,4-Trichlorobe 0.471 0.572 0.503 0.528 0.573 0.623 0.626 0.556  10.56
112)  Naphthalene       1.632 2.223 2.003 2.240 2.380 2.677 2.624 2.254  16.02
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
               Response Ratio = 0.00000 + 2.16008 *A + 0.26529 *A^2

113)  1,2,3-Trichlorobe 0.477 0.539 0.466 0.493 0.528 0.579 0.573 0.522   8.65
 ---------------------------------------------------------------------------
 (#) = Out of Range

          V2P_2022-08-24.M        Wed Aug 24 15:20:42 2022
```

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92279.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-08-24\2P92279.D Vial: 60
Acq On : 24 Aug 2022 2:09 pm Operator: courtnef
Sample : ICV3560-5 Inst : MSVOA13
Misc : MS52204,V2P3560,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\MET...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:30:01 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	102	0.00	3.72
2	Dichlorodifluoromethane		----------NA----------				
3 P	Chloromethane	0.153	0.137	10.5	92	0.00	1.25
4	1,3-butadiene	0.142	0.133	6.3	93	0.00	1.32
5 C	Vinyl Chloride	0.186	0.169	9.1	89	0.00	1.30
6	Bromomethane	0.115	0.098	14.8	92	0.00	1.51
	----------	Amount	Calc.	%Drift			
7	Chloroethane	40.000	34.864	12.8	96	0.00	1.58
8	Trichlorofluoromethane	40.000	36.722	8.2	85	0.00	1.67
	----------	AvgRF	CCRF	%Dev			
9	Ethyl Ether	0.174	0.166	4.6	96	0.00	1.88
	----------	Amount	Calc.	%Drift			
10	Ethanol	800.000	698.394	12.7	86	0.02	1.98
	----------	AvgRF	CCRF	%Dev			
11	1,2-Dichlorotrifluoroetha	0.163	0.174	-6.7	105	0.00	1.98
12 C	1,1-Dichloroethene	0.238	0.241	-1.3	99	0.00	1.98
	----------	Amount	Calc.	%Drift			
13	Freon 113	40.000	36.928	7.7	87	0.00	2.02
14	Carbon Disulfide	40.000	34.352	14.1	83	0.00	2.00
15	Iodomethane		----------NA----------				
	----------	AvgRF	CCRF	%Dev			
16	Acrolein	0.064	0.054	15.6	84	0.00	2.16
17	Allyl chloride	0.171	0.198	-15.8	112	0.00	2.25
	----------	Amount	Calc.	%Drift			
18	Methylene Chloride	40.000	32.471	18.8	92	0.00	2.30
19	Acetone	200.000	200.830	-0.4	106	0.00	2.32
	----------	AvgRF	CCRF	%Dev			
20	Methyl acetate	0.233	0.228	2.1	98	0.00	2.40
21	trans-1,2-Dichloroethene	0.241	0.238	1.2	99	0.00	2.40
	----------	Amount	Calc.	%Drift			
22	Hexane	40.000	41.523	-3.8	100	0.00	2.47
	----------	AvgRF	CCRF	%Dev			

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92279.D

23		Methyl Tert Butyl Ether	0.549	0.637	-16.0	115	0.00	2.48
24		Tert Butyl Alcohol	0.068	0.062	8.8	90	0.00	2.51
25		Acetonitrile	0.038	0.031	18.4	90	0.00	2.55
26		Di-isopropyl ether	0.510	0.509	0.2	100	0.00	2.69
27		Chloroprene	0.726	0.921	-26.9#	132	0.00	2.73
28	P	1,1-Dichloroethane	0.317	0.324	-2.2	102	0.00	2.73
29		Acrylonitrile	0.115	0.120	-4.3	110	0.00	2.73
30		ETBE	0.597	0.549	8.0	91	0.00	2.88
31		Vinyl acetate	0.411	0.416	-1.2	100	0.00	2.86
32		cis-1,2-Dichloroethene	0.189	0.183	3.2	98	0.00	3.02
			Amount	Calc.	%Drift			
33		2,2-Dichloropropane	40.000	37.190	7.0	92	0.00	3.09
			AvgRF	CCRF	%Dev			
34		Bromochloromethane	0.085	0.078	8.2	94	0.00	3.13
			Amount	Calc.	%Drift			
35		Cyclohexane	40.000	37.159	7.1	90	0.00	3.17
			AvgRF	CCRF	%Dev			
36	C	Chloroform	0.318	0.310	2.5	96	0.00	3.17
37		Ethyl acetate	0.311	0.306	1.6	101	0.00	3.23
38		Tetrahydrofuran	0.119	0.114	4.2	99	0.00	3.26
39	S	Dibromofluoromethane	0.213	0.217	-1.9	103	0.00	3.26
			Amount	Calc.	%Drift			
40		Carbon Tetrachloride	40.000	40.012	-0.0	99	0.00	3.27
41		1,1,1-Trichloroethane	40.000	38.417	4.0	96	0.00	3.30
42		2-Butanone	200.000	199.870	0.1	107	0.00	3.32
			AvgRF	CCRF	%Dev			
43		1,1-Dichloropropene	0.238	0.229	3.8	94	0.00	3.36
			Amount	Calc.	%Drift			
44		tert-Butyl formate	200.000	175.631	12.2	85	0.00	3.41
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.061	0.057	6.6	96	0.00	3.46
46		Methacrylonitrile	0.163	0.158	3.1	96	0.00	3.48
47		Benzene	0.761	0.725	4.7	96	0.00	3.49
48		TAME	0.543	0.719	-32.4#	130	0.00	3.57
49	S	1,2-Dichloroethane-d4	0.295	0.306	-3.7	103	0.00	3.55
50		Isobutyl alcohol	0.031	0.033	-6.5	102	0.00	3.59
51		1,2-Dichloroethane	0.272	0.262	3.7	96	0.00	3.59
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	350.606	12.3	88	0.00	3.65
			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.196	0.184	6.1	97	0.00	3.82
			Amount	Calc.	%Drift			
54		Methylcyclohexane	40.000	38.557	3.6	93	0.00	3.85
			AvgRF	CCRF	%Dev			
55		Dibromomethane	0.108	0.101	6.5	93	0.00	4.05
56	C	1,2-Dichloropropane	0.185	0.173	6.5	93	0.00	4.11
			Amount	Calc.	%Drift			

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92279.D

57		Bromodichloromethane	40.000	39.634	0.9	98	0.00	4.15
58		Methyl methacrylate	40.000	38.542	3.6	96	0.00	4.24
			AvgRF	CCRF	%Dev			
59		1,4-Dioxane	0.006	0.006	0.0	100	0.00	4.26
60		2-Chloroethyl vinyl ether	0.154	0.157	-1.9	99	0.00	4.48
			Amount	Calc.	%Drift			
61		cis-1,3-Dichloropropene	40.000	39.104	2.2	97	0.00	4.52
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	5.64
63	S	Toluene-d8	1.376	1.376	0.0	103	0.00	4.65
64	C	Toluene	1.180	1.115	5.5	98	0.00	4.68
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	191.129	4.4	93	0.00	4.78
			AvgRF	CCRF	%Dev			
66		4-Methyl-2-pentanone	0.455	0.450	1.1	103	0.00	4.89
			Amount	Calc.	%Drift			
67		trans-1,3-Dichloropropene	40.000	40.810	-2.0	102	0.00	4.92
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.251	0.240	4.4	97	0.00	4.94
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	38.356	4.1	96	0.00	5.03
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.202	0.191	5.4	96	0.00	5.02
			Amount	Calc.	%Drift			
71		Dibromochloromethane	40.000	37.409	6.5	93	0.00	5.14
			AvgRF	CCRF	%Dev			
72		1,3-Dichloropropane	0.449	0.400	10.9	91	0.00	5.19
73		1,2-Dibromoethane	0.244	0.243	0.4	99	0.00	5.29
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	1907.858	4.6	96	0.00	5.42
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.511	0.500	2.2	100	0.00	5.43
76		1-Chlorohexane	0.376	0.344	8.5	94	0.00	5.65
77	C	Ethylbenzene	1.295	1.227	5.3	96	0.00	5.69
78	P	Chlorobenzene	0.707	0.672	5.0	98	0.00	5.65
			Amount	Calc.	%Drift			
79		1,1,1,2-Tetrachloroethane	40.000	38.355	4.1	97	0.00	5.70
			AvgRF	CCRF	%Dev			
80		m,p-Xylene	1.024	0.972	5.1	96	0.00	5.78
81		o-Xylene	1.008	1.000	0.8	100	0.00	6.08
82		Styrene	0.771	0.767	0.5	97	0.00	6.11
			Amount	Calc.	%Drift			
83	P	Bromoform	40.000	38.188	4.5	95	0.00	6.12

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92279.D

			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.163	1.139	2.1	97	0.00	6.31
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	7.33
86	S	4-Bromofluorobenzene	0.780	0.782	-0.3	103	0.00	6.50
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	37.917	5.2	95	0.00	6.53
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	3.068	2.985	2.7	97	0.00	6.61
89		Bromobenzene	0.620	0.572	7.7	93	0.00	6.57
90	P	1,1,2,2-Tetrachloroethane	0.828	0.813	1.8	97	0.00	6.63
91		1,3,5-Trimethylbenzene	2.136	2.062	3.5	95	0.00	6.76
92		2-Chlorotoluene	1.851	1.808	2.3	98	0.00	6.72
93		trans-1,4-Dichloro-2-Bute	0.355	0.305	14.1	83	0.00	6.76
94		1,2,3-Trichloropropane	0.309	0.280	9.4	91	0.00	6.73
95		Cyclohexanone	0.065	0.068	-4.6	105	0.00	6.75
96		4-Chlorotoluene	1.951	1.891	3.1	99	0.00	6.84
97		tert-Butylbenzene	1.173	1.152	1.8	97	0.00	6.99
98		a-Methyl styrene		----------NA----------				
99		1,2,4-Trimethylbenzene	2.083	2.049	1.6	98	0.00	7.04
			Amount	Calc.	%Drift			
100		Pentachloroethane	40.000	41.245	-3.1	103	0.00	7.00
			AvgRF	CCRF	%Dev			
101		sec-Butylbenzene	2.271	2.324	-2.3	100	0.00	7.13
			Amount	Calc.	%Drift			
102		4-Isopropyltoluene	40.000	40.151	-0.4	101	0.00	7.25
			AvgRF	CCRF	%Dev			
103		1,3-Dichlorobenzene	1.114	1.090	2.2	100	0.00	7.28
104		1,2,3-Trimethylbenzene	2.090	2.111	-1.0	101	0.00	7.37
105		1,4-Dichlorobenzene	1.164	1.108	4.8	96	0.00	7.34
			Amount	Calc.	%Drift			
106		n-Butylbenzene	40.000	36.646	8.4	91	0.00	7.56
107		Benzyl Chloride	40.000	29.878	25.3#	66	0.00	7.52
			AvgRF	CCRF	%Dev			
108		1,2-Dichlorobenzene	1.046	1.011	3.3	97	0.00	7.65
			Amount	Calc.	%Drift			
109		1,2-Dibromo-3-Chloropropa	40.000	36.459	8.9	90	0.00	8.21
110		Hexachlorobutadiene	40.000	38.078	4.8	93	0.00	8.69
			AvgRF	CCRF	%Dev			
111		1,2,4-Trichlorobenzene	0.556	0.537	3.4	95	0.00	8.68
			Amount	Calc.	%Drift			
112		Naphthalene	40.000	39.130	2.2	99	0.00	8.88
			AvgRF	CCRF	%Dev			
113		1,2,3-Trichlorobenzene	0.522	0.497	4.8	96	0.00	9.01

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92279.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2P92271.D V2P_2022-08-24.M Wed Aug 24 15:19:29 2022

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92281.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-08-24\2P92281.D Vial: 61
Acq On : 24 Aug 2022 2:41 pm Operator: courtnef
Sample : ICV3560-4 Inst : MSVOA13
Misc : MS52204,V2P3560,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\MET...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:30:01 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	105	0.00	3.72
2	Dichlorodifluoromethane	0.135	0.115	14.8	103	0.00	1.12
3 P	Chloromethane		----------NA----------				
4	1,3-butadiene		----------NA----------				
5 C	Vinyl Chloride		----------NA----------				
6	Bromomethane		----------NA----------				
	----------	Amount	Calc.	%Drift	----------		
7	Chloroethane		----------NA----------				
8	Trichlorofluoromethane		----------NA----------				
	----------	AvgRF	CCRF	%Dev	----------		
9	Ethyl Ether		----------NA----------				
	----------	Amount	Calc.	%Drift	----------		
10	Ethanol		----------NA----------				
	----------	AvgRF	CCRF	%Dev	----------		
11	1,2-Dichlorotrifluoroetha		----------NA----------				
12 C	1,1-Dichloroethene		----------NA----------				
	----------	Amount	Calc.	%Drift	----------		
13	Freon 113		----------NA----------				
14	Carbon Disulfide		----------NA----------				
15	Iodomethane	25.000	22.821	8.7	99	0.00	2.06
	----------	AvgRF	CCRF	%Dev	----------		
16	Acrolein		----------NA----------				
17	Allyl chloride		----------NA----------				
	----------	Amount	Calc.	%Drift	----------		
18	Methylene Chloride		----------NA----------				
19	Acetone		----------NA----------				
	----------	AvgRF	CCRF	%Dev	----------		
20	Methyl acetate		----------NA----------				
21	trans-1,2-Dichloroethene		----------NA----------				
	----------	Amount	Calc.	%Drift	----------		
22	Hexane		----------NA----------				
	----------	AvgRF	CCRF	%Dev	----------		

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92281.D

23		Methyl Tert Butyl Ether		----------NA----------					
24		Tert Butyl Alcohol		----------NA----------					
25		Acetonitrile		----------NA----------					
26		Di-isopropyl ether		----------NA----------					
27		Chloroprene		----------NA----------					
28	P	1,1-Dichloroethane		----------NA----------					
29		Acrylonitrile		----------NA----------					
30		ETBE		----------NA----------					
31		Vinyl acetate		----------NA----------					
32		cis-1,2-Dichloroethene		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			
33		2,2-Dichloropropane		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
34		Bromochloromethane		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			
35		Cyclohexane		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
36	C	Chloroform		----------NA----------					
37		Ethyl acetate		----------NA----------					
38		Tetrahydrofuran		----------NA----------					
39	S	Dibromofluoromethane	0.213	0.215	-0.9	104	0.00	3.27	
		----------	Amount	Calc.	%Drift	----------			
40		Carbon Tetrachloride		----------NA----------					
41		1,1,1-Trichloroethane		----------NA----------					
42		2-Butanone		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
43		1,1-Dichloropropene		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			
44		tert-Butyl formate		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
45		Propionitrile		----------NA----------					
46		Methacrylonitrile		----------NA----------					
47		Benzene		----------NA----------					
48		TAME		----------NA----------					
49	S	1,2-Dichloroethane-d4	0.295	0.300	-1.7	105	0.00	3.55	
50		Isobutyl alcohol		----------NA----------					
51		1,2-Dichloroethane		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			
52		Tert Amyl Alcohol		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
53		Trichloroethene		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			
54		Methylcyclohexane		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
55		Dibromomethane		----------NA----------					
56	C	1,2-Dichloropropane		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92281.D

57		Bromodichloromethane		----------NA----------				
58		Methyl methacrylate		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
59		1,4-Dioxane		----------NA----------				
60		2-Chloroethyl vinyl ether		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
61		cis-1,3-Dichloropropene		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
62	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	5.64
63	S	Toluene-d8	1.376	1.377	-0.1	104	0.00	4.65
64	C	Toluene		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
65		2-Nitropropane		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
66		4-Methyl-2-pentanone		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
67		trans-1,3-Dichloropropene		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
68		Tetrachloroethene		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
69		Ethyl methacrylate		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
70		1,1,2-Trichloroethane		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
71		Dibromochloromethane		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
72		1,3-Dichloropropane		----------NA----------				
73		1,2-Dibromoethane		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
74		3,3-dimethyl-1-butanol		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
75		2-hexanone		----------NA----------				
76		1-Chlorohexane		----------NA----------				
77	C	Ethylbenzene		----------NA----------				
78	P	Chlorobenzene		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
79		1,1,1,2-Tetrachloroethane		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
80		m,p-Xylene		----------NA----------				
81		o-Xylene		----------NA----------				
82		Styrene		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
83	P	Bromoform		----------NA----------				

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92281.D

			AvgRF	CCRF	%Dev			
84		Isopropylbenzene		NA				
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	7.33
86	S	4-Bromofluorobenzene	0.780	0.763	2.2	103	0.00	6.50

			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene		NA				

			AvgRF	CCRF	%Dev			
88		n-Propylbenzene		NA				
89		Bromobenzene		NA				
90	P	1,1,2,2-Tetrachloroethane		NA				
91		1,3,5-Trimethylbenzene		NA				
92		2-Chlorotoluene		NA				
93		trans-1,4-Dichloro-2-Bute		NA				
94		1,2,3-Trichloropropane		NA				
95		Cyclohexanone		NA				
96		4-Chlorotoluene		NA				
97		tert-Butylbenzene		NA				
98		a-Methyl styrene		NA				
99		1,2,4-Trimethylbenzene		NA				

			Amount	Calc.	%Drift			
100		Pentachloroethane		NA				

			AvgRF	CCRF	%Dev			
101		sec-Butylbenzene		NA				

			Amount	Calc.	%Drift			
102		4-Isopropyltoluene		NA				

			AvgRF	CCRF	%Dev			
103		1,3-Dichlorobenzene		NA				
104		1,2,3-Trimethylbenzene		NA				
105		1,4-Dichlorobenzene		NA				

			Amount	Calc.	%Drift			
106		n-Butylbenzene		NA				
107		Benzyl Chloride		NA				

			AvgRF	CCRF	%Dev			
108		1,2-Dichlorobenzene		NA				

			Amount	Calc.	%Drift			
109		1,2-Dibromo-3-Chloropropa		NA				
110		Hexachlorobutadiene		NA				

			AvgRF	CCRF	%Dev			
111		1,2,4-Trichlorobenzene		NA				

			Amount	Calc.	%Drift			
112		Naphthalene		NA				

			AvgRF	CCRF	%Dev			
113		1,2,3-Trichlorobenzene		NA				

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3560-ICV3560
Lab FileID: 2P92281.D

(#) = Out of Range SPCC's out = 4 CCC's out = 6
2P92269.D V2P_2022-08-24.M Wed Aug 24 15:20:21 2022

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-CC3560
Lab FileID: 2P92601.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-09-01\2P92601.D Vial: 52
Acq On : 1 Sep 2022 1:04 pm Operator: courtnef
Sample : CC3560-5 Inst : MSVOA13
Misc : MS52204,V2P3567,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\MET...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:29:43 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	91	0.00	3.72
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	57.929	-44.8#	124	0.00	1.12
		AvgRF	CCRF	%Dev			
3 P	Chloromethane	0.153	0.187	-22.2#	112	0.00	1.25
4	1,3-butadiene	0.142	0.142	0.0	89	0.00	1.32
5 C	Vinyl Chloride	0.186	0.230	-23.7#	108	0.00	1.30
6	Bromomethane	0.115	0.108	6.1	90	0.00	1.51
		Amount	Calc.	%Drift			
7	Chloroethane	40.000	42.219	-5.5	103	0.00	1.58
8	Trichlorofluoromethane	40.000	59.132	-47.8#	102	0.00	1.67
		AvgRF	CCRF	%Dev			
9	Ethyl Ether	0.174	0.190	-9.2	98	0.00	1.88
		Amount	Calc.	%Drift			
10	Ethanol	800.000	1000.337	-25.0#	105	0.01	1.97
		AvgRF	CCRF	%Dev			
11	1,2-Dichlorotrifluoroetha	0.163	0.186	-14.1	99	0.00	1.98
12 C	1,1-Dichloroethene	0.238	0.272	-14.3	100	0.00	1.98
		Amount	Calc.	%Drift			
13	Freon 113	40.000	45.040	-12.6	97	0.00	2.02
14	Carbon Disulfide	40.000	43.105	-7.8	96	0.00	2.00
15	Iodomethane	40.000	32.735	18.2	65	0.00	2.06
		AvgRF	CCRF	%Dev			
16	Acrolein	0.064	0.072	-12.5	100	0.00	2.16
17	Allyl chloride	0.171	0.187	-9.4	95	0.00	2.25
		Amount	Calc.	%Drift			
18	Methylene Chloride	40.000	42.668	-6.7	106	0.00	2.30
19	Acetone	200.000	224.126	-12.1	105	0.00	2.32
		AvgRF	CCRF	%Dev			
20	Methyl acetate	0.233	0.279	-19.7	107	0.00	2.40
21	trans-1,2-Dichloroethene	0.241	0.270	-12.0	100	0.00	2.40

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: V2P3567-CC3560
Lab FileID: 2P92601.D

			Amount	Calc.	%Drift			
22		Hexane	40.000	46.550	-16.4	102	0.00	2.47
			AvgRF	CCRF	%Dev			
23		Methyl Tert Butyl Ether	0.549	0.618	-12.6	100	0.00	2.47
24		Tert Butyl Alcohol	0.068	0.077	-13.2	100	0.00	2.51
25		Acetonitrile	0.038	0.040	-5.3	105	0.00	2.55
26		Di-isopropyl ether	0.510	0.581	-13.9	102	0.00	2.68
27		Chloroprene	0.726	0.798	-9.9	102	0.00	2.73
28	P	1,1-Dichloroethane	0.317	0.356	-12.3	100	0.00	2.73
29		Acrylonitrile	0.115	0.126	-9.6	103	0.00	2.73
30		ETBE	0.597	0.680	-13.9	100	0.00	2.88
31		Vinyl acetate	0.411	0.452	-10.0	97	0.00	2.86
32		cis-1,2-Dichloroethene	0.189	0.204	-7.9	97	0.00	3.02
			Amount	Calc.	%Drift			
33		2,2-Dichloropropane	40.000	44.113	-10.3	100	0.00	3.09
			AvgRF	CCRF	%Dev			
34		Bromochloromethane	0.085	0.093	-9.4	100	0.00	3.13
			Amount	Calc.	%Drift			
35		Cyclohexane	40.000	45.605	-14.0	101	0.00	3.17
			AvgRF	CCRF	%Dev			
36	C	Chloroform	0.318	0.361	-13.5	100	0.00	3.17
37		Ethyl acetate	0.311	0.346	-11.3	102	0.00	3.23
38		Tetrahydrofuran	0.119	0.136	-14.3	105	0.00	3.26
39	S	Dibromofluoromethane	0.213	0.217	-1.9	92	0.00	3.27
			Amount	Calc.	%Drift			
40		Carbon Tetrachloride	40.000	44.511	-11.3	100	0.00	3.27
41		1,1,1-Trichloroethane	40.000	44.233	-10.6	99	0.00	3.30
42		2-Butanone	200.000	219.711	-9.9	104	0.00	3.32
			AvgRF	CCRF	%Dev			
43		1,1-Dichloropropene	0.238	0.272	-14.3	100	0.00	3.36
			Amount	Calc.	%Drift			
44		tert-Butyl formate	200.000	212.095	-6.0	94	0.00	3.41
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.061	0.070	-14.8	105	0.00	3.46
46		Methacrylonitrile	0.163	0.189	-16.0	102	0.00	3.48
47		Benzene	0.761	0.849	-11.6	101	0.00	3.50
48		TAME	0.543	0.613	-12.9	99	0.00	3.57
49	S	1,2-Dichloroethane-d4	0.295	0.295	0.0	88	0.00	3.55
50		Isobutyl alcohol	0.031	0.039	-25.8#	105	0.00	3.59
51		1,2-Dichloroethane	0.272	0.300	-10.3	99	0.00	3.59
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	447.000	-11.8	101	0.00	3.65
			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.196	0.210	-7.1	99	0.00	3.82
			Amount	Calc.	%Drift			
54		Methylcyclohexane	40.000	45.680	-14.2	100	0.00	3.85
			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: FA98431 **Sample:** V2P3567-CC3560
Account: BHATALB Bhate Environmental **Lab FileID:** 2P92601.D
Project: Griffiss AFB; Rome, NY

55		Dibromomethane	0.108	0.119	-10.2	98	0.00	4.05
56	C	1,2-Dichloropropane	0.185	0.209	-13.0	101	0.00	4.11
			Amount	Calc.	%Drift			
57		Bromodichloromethane	40.000	42.962	-7.4	96	0.00	4.15
58		Methyl methacrylate	40.000	44.586	-11.5	101	0.00	4.24
			AvgRF	CCRF	%Dev			
59		1,4-Dioxane	0.006	0.007	-16.7	105	0.00	4.26
60		2-Chloroethyl vinyl ether	0.154	0.167	-8.4	94	0.00	4.48
			Amount	Calc.	%Drift			
61		cis-1,3-Dichloropropene	40.000	43.308	-8.3	97	0.00	4.52
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00	5.64
63	S	Toluene-d8	1.376	1.315	4.4	92	0.00	4.65
64	C	Toluene	1.180	1.238	-4.9	102	0.00	4.68
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	208.755	-4.4	97	0.00	4.78
			AvgRF	CCRF	%Dev			
66		4-Methyl-2-pentanone	0.455	0.482	-5.9	104	0.00	4.89
			Amount	Calc.	%Drift			
67		trans-1,3-Dichloropropene	40.000	41.617	-4.0	98	0.00	4.92
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.251	0.268	-6.8	102	0.00	4.94
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	41.668	-4.2	99	0.00	5.03
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.202	0.213	-5.4	100	0.00	5.02
			Amount	Calc.	%Drift			
71		Dibromochloromethane	40.000	42.477	-6.2	100	0.00	5.14
			AvgRF	CCRF	%Dev			
72		1,3-Dichloropropane	0.449	0.461	-2.7	99	0.00	5.19
73		1,2-Dibromoethane	0.244	0.265	-8.6	101	0.00	5.29
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	2109.890	-5.5	100	0.00	5.42
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.511	0.555	-8.6	103	0.00	5.43
76		1-Chlorohexane	0.376	0.387	-2.9	99	0.00	5.65
77	C	Ethylbenzene	1.295	1.363	-5.3	100	0.00	5.69
78	P	Chlorobenzene	0.707	0.744	-5.2	102	0.00	5.65
			Amount	Calc.	%Drift			
79		1,1,1,2-Tetrachloroethane	40.000	41.147	-2.9	98	0.00	5.70
			AvgRF	CCRF	%Dev			
80		m,p-Xylene	1.024	1.084	-5.9	100	0.00	5.79
81		o-Xylene	1.008	1.075	-6.6	101	0.00	6.08

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-CC3560
Lab FileID: 2P92601.D

82		Styrene	0.771	0.833	-8.0	99	0.00	6.11
			Amount	Calc.	%Drift			
83	P	Bromoform	40.000	40.874	-2.2	97	0.00	6.12
			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.163	1.256	-8.0	100	0.00	6.31
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	7.33
86	S	4-Bromofluorobenzene	0.780	0.764	2.1	98	0.00	6.50
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	39.254	1.9	96	0.00	6.53
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	3.068	3.162	-3.1	100	0.00	6.61
89		Bromobenzene	0.620	0.637	-2.7	101	0.00	6.57
90	P	1,1,2,2-Tetrachloroethane	0.828	0.868	-4.8	102	0.00	6.63
91		1,3,5-Trimethylbenzene	2.136	2.208	-3.4	100	0.00	6.76
92		2-Chlorotoluene	1.851	1.879	-1.5	99	0.00	6.71
93		trans-1,4-Dichloro-2-Bute	0.355	0.358	-0.8	95	0.00	6.76
94		1,2,3-Trichloropropane	0.309	0.319	-3.2	101	0.00	6.73
95		Cyclohexanone	0.065	0.069	-6.2	105	0.00	6.74
96		4-Chlorotoluene	1.951	1.972	-1.1	101	0.00	6.84
97		tert-Butylbenzene	1.173	1.214	-3.5	100	0.00	6.99
98		a-Methyl styrene		----------NA----------				
99		1,2,4-Trimethylbenzene	2.083	2.144	-2.9	100	0.00	7.05
			Amount	Calc.	%Drift			
100		Pentachloroethane	40.000	42.085	-5.2	103	0.00	7.00
			AvgRF	CCRF	%Dev			
101		sec-Butylbenzene	2.271	2.400	-5.7	101	0.00	7.13
			Amount	Calc.	%Drift			
102		4-Isopropyltoluene	40.000	41.297	-3.2	102	0.00	7.24
			AvgRF	CCRF	%Dev			
103		1,3-Dichlorobenzene	1.114	1.155	-3.7	103	0.00	7.28
104		1,2,3-Trimethylbenzene	2.090	2.120	-1.4	99	0.00	7.37
105		1,4-Dichlorobenzene	1.164	1.186	-1.9	101	0.00	7.34
			Amount	Calc.	%Drift			
106		n-Butylbenzene	40.000	40.872	-2.2	100	0.00	7.56
107		Benzyl Chloride	40.000	40.487	-1.2	95	0.00	7.52
			AvgRF	CCRF	%Dev			
108		1,2-Dichlorobenzene	1.046	1.082	-3.4	102	0.00	7.65
			Amount	Calc.	%Drift			
109		1,2-Dibromo-3-Chloropropa	40.000	41.140	-2.9	102	0.00	8.21
110		Hexachlorobutadiene	40.000	43.113	-7.8	105	0.00	8.69
			AvgRF	CCRF	%Dev			
111		1,2,4-Trichlorobenzene	0.556	0.587	-5.6	102	0.00	8.68
			Amount	Calc.	%Drift			
112		Naphthalene	40.000	40.480	-1.2	100	0.00	8.89
			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-CC3560
Lab FileID: 2P92601.D

113	1,2,3-Trichlorobenzene	0.522	0.545	-4.4	103	0.00	9.01

(#) = Out of Range SPCC's out = 0 CCC's out = 1
2P92271.D V2P_2022-08-24.M Thu Sep 01 13:20:18 2022

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-ECC3560
Lab FileID: 2P92645.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\An...022\V2P3567\2P92645.D Vial: 74
Acq On : 2 Sep 2022 12:50 am Operator: courtnef
Sample : ECC3560-5 Inst : MSVOA13
Misc : MS52312,V2P3567,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\met...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:29:43 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	93	0.00	3.72
		True	Calc.	% Drift			
2	Dichlorodifluoromethane	40.000	58.868	-47.2	129	0.00	1.13
		AvgRF	CCRF	% Dev			
3 P	Chloromethane	0.153	0.203	-32.7	124	0.00	1.25
4	1,3-butadiene	0.142	0.159	-12.0	102	0.00	1.32
5 C	Vinyl Chloride	0.186	0.238	-28.0#	114	0.00	1.31
6	Bromomethane	0.115	0.114	0.9	98	0.00	1.51
		True	Calc.	% Drift			
7	Chloroethane	40.000	43.466	-8.7	108	0.00	1.58
8	Trichlorofluoromethane	40.000	59.688	-49.2	105	0.00	1.68
		AvgRF	CCRF	% Dev			
9	Ethyl Ether	0.174	0.192	-10.3	102	0.00	1.88
		True	Calc.	% Drift			
10	Ethanol	800.000	1004.854	-25.6	108	0.01	1.98
		AvgRF	CCRF	% Dev			
11	1,2-Dichlorotrifluoroetha	0.163	0.189	-16.0	103	0.00	1.98
12 C	1,1-Dichloroethene	0.238	0.269	-13.0	101	0.00	1.99
		True	Calc.	% Drift			
13	Freon 113	40.000	42.249	-5.6	92	0.00	2.02
14	Carbon Disulfide	40.000	42.166	-5.4	96	0.00	2.01
15	Iodomethane	40.000	53.817	-34.5	120	0.00	2.06
		AvgRF	CCRF	% Dev			
16	Acrolein	0.064	0.067	-4.7	96	0.00	2.16
17	Allyl chloride	0.171	0.179	-4.7	93	0.00	2.25
		True	Calc.	% Drift			
18	Methylene Chloride	40.000	43.452	-8.6	110	0.00	2.31
19	Acetone	200.000	224.594	-12.3	108	0.00	2.32
		AvgRF	CCRF	% Dev			
20	Methyl acetate	0.233	0.288	-23.6	113	0.00	2.40
21	trans-1,2-Dichloroethene	0.241	0.273	-13.3	104	0.00	2.40

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-ECC3560
Lab FileID: 2P92645.D

			True	Calc.	% Drift			
22		Hexane	40.000	41.995	-5.0	92	0.00	2.47
			AvgRF	CCRF	% Dev			
23		Methyl Tert Butyl Ether	0.549	0.614	-11.8	101	0.00	2.47
24		Tert Butyl Alcohol	0.068	0.077	-13.2	102	0.00	2.51
25		Acetonitrile	0.038	0.040	-5.3	107	0.00	2.56
26		Di-isopropyl ether	0.510	0.606	-18.8	109	0.00	2.69
27		Chloroprene	0.726	0.806	-11.0	105	0.00	2.73
28	P	1,1-Dichloroethane	0.317	0.360	-13.6	103	0.00	2.73
29		Acrylonitrile	0.115	0.127	-10.4	106	0.00	2.73
30		ETBE	0.597	0.684	-14.6	103	0.00	2.89
31		Vinyl acetate	0.411	0.448	-9.0	99	0.00	2.86
32		cis-1,2-Dichloroethene	0.189	0.205	-8.5	100	0.00	3.03
			True	Calc.	% Drift			
33		2,2-Dichloropropane	40.000	35.578	11.1	80	0.00	3.09
			AvgRF	CCRF	% Dev			
34		Bromochloromethane	0.085	0.089	-4.7	98	0.00	3.13
			True	Calc.	% Drift			
35		Cyclohexane	40.000	46.194	-15.5	105	0.00	3.17
			AvgRF	CCRF	% Dev			
36	C	Chloroform	0.318	0.358	-12.6	101	0.00	3.17
37		Ethyl acetate	0.311	0.350	-12.5	105	0.00	3.23
38		Tetrahydrofuran	0.119	0.140	-17.6	111	0.00	3.26
39	S	Dibromofluoromethane	0.213	0.209	1.9	91	0.00	3.27
			True	Calc.	% Drift			
40		Carbon Tetrachloride	40.000	43.384	-8.5	99	0.00	3.27
41		1,1,1-Trichloroethane	40.000	43.430	-8.6	100	0.00	3.30
42		2-Butanone	200.000	220.479	-10.2	107	0.00	3.32
			AvgRF	CCRF	% Dev			
43		1,1-Dichloropropene	0.238	0.269	-13.0	101	0.00	3.37
			True	Calc.	% Drift			
44		tert-Butyl formate	200.000	208.875	-4.4	95	0.00	3.41
			AvgRF	CCRF	% Dev			
45		Propionitrile	0.061	0.069	-13.1	106	0.00	3.47
46		Methacrylonitrile	0.163	0.186	-14.1	103	0.00	3.49
47		Benzene	0.761	0.851	-11.8	103	0.00	3.50
48		TAME	0.543	0.611	-12.5	101	0.00	3.57
49	S	1,2-Dichloroethane-d4	0.295	0.288	2.4	89	0.00	3.55
50		Isobutyl alcohol	0.031	0.038	-22.6	105	0.00	3.59
51		1,2-Dichloroethane	0.272	0.296	-8.8	100	0.00	3.59
			True	Calc.	% Drift			
52		Tert Amyl Alcohol	400.000	442.652	-10.7	103	0.00	3.65
			AvgRF	CCRF	% Dev			
53		Trichloroethene	0.196	0.207	-5.6	99	0.00	3.83
			True	Calc.	% Drift			
54		Methylcyclohexane	40.000	44.183	-10.5	99	0.00	3.85
			AvgRF	CCRF	% Dev			

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-ECC3560
Lab FileID: 2P92645.D

55		Dibromomethane	0.108	0.118	-9.3	99	0.00	4.05
56	C	1,2-Dichloropropane	0.185	0.210	-13.5	103	0.00	4.11
			True	Calc.	% Drift			
57		Bromodichloromethane	40.000	42.673	-6.7	98	0.00	4.15
58		Methyl methacrylate	40.000	43.144	-7.9	100	0.00	4.23
			AvgRF	CCRF	% Dev			
59		1,4-Dioxane	0.006	0.007	-16.7	105	0.00	4.26
60		2-Chloroethyl vinyl ether	0.154	0.154	0.0	89	0.00	4.48
			True	Calc.	% Drift			
61		cis-1,3-Dichloropropene	40.000	41.952	-4.9	96	0.00	4.52
			AvgRF	CCRF	% Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00	5.65
63	S	Toluene-d8	1.376	1.333	3.1	93	0.00	4.65
64	C	Toluene	1.180	1.245	-5.5	102	0.00	4.68
			True	Calc.	% Drift			
65		2-Nitropropane	200.000	203.352	-1.7	94	0.00	4.78
			AvgRF	CCRF	% Dev			
66		4-Methyl-2-pentanone	0.455	0.495	-8.8	106	0.00	4.89
			True	Calc.	% Drift			
67		trans-1,3-Dichloropropene	40.000	41.043	-2.6	96	0.00	4.92
			AvgRF	CCRF	% Dev			
68		Tetrachloroethene	0.251	0.283	-12.7	107	0.00	4.94
			True	Calc.	% Drift			
69		Ethyl methacrylate	40.000	40.850	-2.1	96	0.00	5.03
			AvgRF	CCRF	% Dev			
70		1,1,2-Trichloroethane	0.202	0.219	-8.4	103	0.00	5.02
			True	Calc.	% Drift			
71		Dibromochloromethane	40.000	41.044	-2.6	96	0.00	5.14
			AvgRF	CCRF	% Dev			
72		1,3-Dichloropropane	0.449	0.470	-4.7	101	0.00	5.20
73		1,2-Dibromoethane	0.244	0.268	-9.8	102	0.00	5.30
			True	Calc.	% Drift			
74		3,3-dimethyl-1-butanol	2000.000	2137.723	-6.9	101	0.00	5.42
			AvgRF	CCRF	% Dev			
75		2-hexanone	0.511	0.564	-10.4	105	0.00	5.43
76		1-Chlorohexane	0.376	0.400	-6.4	103	0.00	5.65
77	C	Ethylbenzene	1.295	1.371	-5.9	101	0.00	5.68
78	P	Chlorobenzene	0.707	0.744	-5.2	102	0.00	5.66
			True	Calc.	% Drift			
79		1,1,1,2-Tetrachloroethane	40.000	41.336	-3.3	99	0.00	5.70
			AvgRF	CCRF	% Dev			
80		m,p-Xylene	1.024	1.092	-6.6	101	0.00	5.78
81		o-Xylene	1.008	1.083	-7.4	101	0.00	6.08

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-ECC3560
Lab FileID: 2P92645.D

82		Styrene	0.771	0.813	-5.4	96	0.00	6.11
			True	Calc.	% Drift			
83	P	Bromoform	40.000	39.112	2.2	92	0.00	6.12
			AvgRF	CCRF	% Dev			
84		Isopropylbenzene	1.163	1.260	-8.3	100	0.00	6.31
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00	7.33
86	S	4-Bromofluorobenzene	0.780	0.772	1.0	96	0.00	6.50
			True	Calc.	% Drift			
87		cis-1,4-Dichloro-2-butene	40.000	30.119	24.7	69	0.00	6.53
			AvgRF	CCRF	% Dev			
88		n-Propylbenzene	3.068	3.244	-5.7	99	0.00	6.61
89		Bromobenzene	0.620	0.652	-5.2	100	0.00	6.57
90	P	1,1,2,2-Tetrachloroethane	0.828	0.899	-8.6	102	0.00	6.63
91		1,3,5-Trimethylbenzene	2.136	2.287	-7.1	100	0.00	6.76
92		2-Chlorotoluene	1.851	1.959	-5.8	100	0.00	6.71
93		trans-1,4-Dichloro-2-Bute	0.355	0.307	13.5	79	0.00	6.76
94		1,2,3-Trichloropropane	0.309	0.326	-5.5	100	0.00	6.73
95		Cyclohexanone	0.065	0.072	-10.8	105	0.00	6.74
96		4-Chlorotoluene	1.951	2.025	-3.8	100	0.00	6.83
97		tert-Butylbenzene	1.173	1.254	-6.9	100	0.00	6.99
98		a-Methyl styrene	0.000	0.000	0.0	0#	0.00	7.14
99		1,2,4-Trimethylbenzene	2.083	2.209	-6.0	100	0.00	7.05
			True	Calc.	% Drift			
100		Pentachloroethane	40.000	36.106	9.7	83	0.00	6.99
			AvgRF	CCRF	% Dev			
101		sec-Butylbenzene	2.271	2.443	-7.6	100	0.00	7.13
			True	Calc.	% Drift			
102		4-Isopropyltoluene	40.000	41.227	-3.1	98	0.00	7.25
			AvgRF	CCRF	% Dev			
103		1,3-Dichlorobenzene	1.114	1.160	-4.1	100	0.00	7.28
104		1,2,3-Trimethylbenzene	2.090	2.192	-4.9	99	0.00	7.38
105		1,4-Dichlorobenzene	1.164	1.188	-2.1	98	0.00	7.34
			True	Calc.	% Drift			
106		n-Butylbenzene	40.000	40.395	-1.0	96	0.00	7.56
107		Benzyl Chloride	40.000	28.778	28.1	60	0.00	7.52
			AvgRF	CCRF	% Dev			
108		1,2-Dichlorobenzene	1.046	1.092	-4.4	99	0.00	7.65
			True	Calc.	% Drift			
109		1,2-Dibromo-3-Chloropropa	40.000	41.324	-3.3	99	0.00	8.21
110		Hexachlorobutadiene	40.000	43.016	-7.5	101	0.00	8.69
			AvgRF	CCRF	% Dev			
111		1,2,4-Trichlorobenzene	0.556	0.572	-2.9	96	0.00	8.68
			True	Calc.	% Drift			
112		Naphthalene	40.000	41.233	-3.1	99	0.00	8.89
			AvgRF	CCRF	% Dev			

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3567-ECC3560
Lab FileID: 2P92645.D

113	1,2,3-Trichlorobenzene	0.522	0.546	-4.6	99	0.00	9.01

(#) = Out of Range SPCC's out = 0 CCC's out = 1
2P92271.D V2P_2022-08-24.M Fri Sep 02 03:05:39 2022

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3568-CC3560
Lab FileID: 2P92657.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-09-06\2P92657.D Vial: 52
Acq On : 6 Sep 2022 11:31 am Operator: courtnef
Sample : CC3560-5 Inst : MSVOA13
Misc : MS52204,V2P3568,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\MET...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:29:43 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	87	0.00	3.72
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	62.598	-56.5#	128	0.00	1.12
		AvgRF	CCRF	%Dev			
3 P	Chloromethane	0.153	0.198	-29.4#	113	0.00	1.25
4	1,3-butadiene	0.142	0.110	22.5#	66	0.00	1.32
5 C	Vinyl Chloride	0.186	0.252	-35.5#	113	0.00	1.31
6	Bromomethane	0.115	0.111	3.5	89	0.00	1.51
		Amount	Calc.	%Drift			
7	Chloroethane	40.000	44.088	-10.2	102	0.00	1.58
8	Trichlorofluoromethane	40.000	65.737	-64.3#	102	0.00	1.67
		AvgRF	CCRF	%Dev			
9	Ethyl Ether	0.174	0.197	-13.2	98	0.00	1.88
		Amount	Calc.	%Drift			
10	Ethanol	800.000	949.664	-18.7	96	0.00	1.97
		AvgRF	CCRF	%Dev			
11	1,2-Dichlorotrifluoroetha	0.163	0.192	-17.8	98	0.00	1.98
12 C	1,1-Dichloroethene	0.238	0.276	-16.0	97	0.00	1.98
		Amount	Calc.	%Drift			
13	Freon 113	40.000	45.680	-14.2	94	0.00	2.02
14	Carbon Disulfide	40.000	43.200	-8.0	92	0.00	2.00
15	Iodomethane	40.000	41.756	-4.4	83	0.00	2.06
		AvgRF	CCRF	%Dev			
16	Acrolein	0.064	0.076	-18.7	102	0.00	2.16
17	Allyl chloride	0.171	0.178	-4.1	86	0.00	2.25
		Amount	Calc.	%Drift			
18	Methylene Chloride	40.000	41.763	-4.4	99	0.00	2.31
19	Acetone	200.000	218.369	-9.2	98	0.00	2.32
		AvgRF	CCRF	%Dev			
20	Methyl acetate	0.233	0.282	-21.0#	103	0.00	2.40
21	trans-1,2-Dichloroethene	0.241	0.276	-14.5	98	0.00	2.41

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3568-CC3560
Lab FileID: 2P92657.D

			Amount	Calc.	%Drift			
22		Hexane	40.000	46.802	-17.0	98	0.00	2.47
			AvgRF	CCRF	%Dev			
23		Methyl Tert Butyl Ether	0.549	0.636	-15.8	98	0.00	2.47
24		Tert Butyl Alcohol	0.068	0.078	-14.7	97	0.00	2.51
25		Acetonitrile	0.038	0.038	0.0	96	0.00	2.56
26		Di-isopropyl ether	0.510	0.601	-17.8	101	0.00	2.69
27		Chloroprene	0.726	0.805	-10.9	98	0.00	2.73
28	P	1,1-Dichloroethane	0.317	0.363	-14.5	97	0.00	2.73
29		Acrylonitrile	0.115	0.127	-10.4	99	0.00	2.73
30		ETBE	0.597	0.698	-16.9	98	0.00	2.89
31		Vinyl acetate	0.411	0.454	-10.5	93	0.00	2.86
32		cis-1,2-Dichloroethene	0.189	0.214	-13.2	97	0.00	3.02
			Amount	Calc.	%Drift			
33		2,2-Dichloropropane	40.000	44.611	-11.5	96	0.00	3.09
			AvgRF	CCRF	%Dev			
34		Bromochloromethane	0.085	0.097	-14.1	99	0.00	3.13
			Amount	Calc.	%Drift			
35		Cyclohexane	40.000	46.256	-15.6	98	0.00	3.16
			AvgRF	CCRF	%Dev			
36	C	Chloroform	0.318	0.371	-16.7	98	0.00	3.17
37		Ethyl acetate	0.311	0.352	-13.2	99	0.00	3.23
38		Tetrahydrofuran	0.119	0.141	-18.5	104	0.00	3.26
39	S	Dibromofluoromethane	0.213	0.220	-3.3	89	0.00	3.27
			Amount	Calc.	%Drift			
40		Carbon Tetrachloride	40.000	45.082	-12.7	97	0.00	3.27
41		1,1,1-Trichloroethane	40.000	45.462	-13.7	98	0.00	3.29
42		2-Butanone	200.000	220.116	-10.1	100	0.00	3.32
			AvgRF	CCRF	%Dev			
43		1,1-Dichloropropene	0.238	0.278	-16.8	97	0.00	3.37
			Amount	Calc.	%Drift			
44		tert-Butyl formate	200.000	227.956	-14.0	98	0.00	3.41
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.061	0.068	-11.5	97	0.00	3.46
46		Methacrylonitrile	0.163	0.182	-11.7	94	0.00	3.48
47		Benzene	0.761	0.879	-15.5	99	0.00	3.50
48		TAME	0.543	0.642	-18.2	99	0.00	3.57
49	S	1,2-Dichloroethane-d4	0.295	0.297	-0.7	85	0.00	3.55
50		Isobutyl alcohol	0.031	0.037	-19.4	97	0.00	3.59
51		1,2-Dichloroethane	0.272	0.305	-12.1	96	0.00	3.59
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	453.848	-13.5	98	0.00	3.65
			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.196	0.218	-11.2	98	0.00	3.83
			Amount	Calc.	%Drift			
54		Methylcyclohexane	40.000	46.917	-17.3	99	0.00	3.85
			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: FA98431 **Sample:** V2P3568-CC3560
Account: BHATALB Bhate Environmental **Lab FileID:** 2P92657.D
Project: Griffiss AFB; Rome, NY

55		Dibromomethane	0.108	0.125	-15.7	98	0.00	4.05
56	C	1,2-Dichloropropane	0.185	0.215	-16.2	99	0.00	4.11
			Amount	Calc.	%Drift			
57		Bromodichloromethane	40.000	44.855	-12.1	97	0.00	4.15
58		Methyl methacrylate	40.000	43.018	-7.5	93	0.00	4.24
			AvgRF	CCRF	%Dev			
59		1,4-Dioxane	0.006	0.007	-16.7	102	0.00	4.26
60		2-Chloroethyl vinyl ether	0.154	0.171	-11.0	91	0.00	4.48
			Amount	Calc.	%Drift			
61		cis-1,3-Dichloropropene	40.000	44.984	-12.5	97	0.00	4.52
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00	5.64
63	S	Toluene-d8	1.376	1.300	5.5	88	0.00	4.65
64	C	Toluene	1.180	1.247	-5.7	99	0.00	4.68
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	208.440	-4.2	94	0.00	4.78
			AvgRF	CCRF	%Dev			
66		4-Methyl-2-pentanone	0.455	0.477	-4.8	99	0.00	4.89
			Amount	Calc.	%Drift			
67		trans-1,3-Dichloropropene	40.000	42.345	-5.9	97	0.00	4.92
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.251	0.277	-10.4	102	0.00	4.94
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	40.282	-0.7	92	0.00	5.03
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.202	0.218	-7.9	99	0.00	5.02
			Amount	Calc.	%Drift			
71		Dibromochloromethane	40.000	43.581	-9.0	100	0.00	5.15
			AvgRF	CCRF	%Dev			
72		1,3-Dichloropropane	0.449	0.477	-6.2	99	0.00	5.20
73		1,2-Dibromoethane	0.244	0.270	-10.7	100	0.00	5.30
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	2176.943	-8.8	100	0.00	5.42
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.511	0.555	-8.6	100	0.00	5.43
76		1-Chlorohexane	0.376	0.381	-1.3	95	0.00	5.65
77	C	Ethylbenzene	1.295	1.412	-9.0	101	0.00	5.68
78	P	Chlorobenzene	0.707	0.762	-7.8	101	0.00	5.66
			Amount	Calc.	%Drift			
79		1,1,1,2-Tetrachloroethane	40.000	43.041	-7.6	100	0.00	5.70
			AvgRF	CCRF	%Dev			
80		m,p-Xylene	1.024	1.109	-8.3	99	0.00	5.78
81		o-Xylene	1.008	1.091	-8.2	99	0.00	6.08

Continuing Calibration Summary

Job Number: FA98431 **Sample:** V2P3568-CC3560
Account: BHATALB Bhate Environmental **Lab FileID:** 2P92657.D
Project: Griffiss AFB; Rome, NY

82		Styrene	0.771	0.863	-11.9	99	0.00	6.11
			Amount	Calc.	%Drift			
83	P	Bromoform	40.000	43.569	-8.9	102	0.00	6.12
			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.163	1.289	-10.8	100	0.00	6.31
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	7.33
86	S	4-Bromofluorobenzene	0.780	0.764	2.1	97	0.00	6.49
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	37.912	5.2	92	0.00	6.53
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	3.068	3.145	-2.5	99	0.00	6.61
89		Bromobenzene	0.620	0.653	-5.3	103	0.00	6.57
90	P	1,1,2,2-Tetrachloroethane	0.828	0.865	-4.5	100	0.00	6.63
91		1,3,5-Trimethylbenzene	2.136	2.231	-4.4	100	0.00	6.76
92		2-Chlorotoluene	1.851	1.879	-1.5	99	0.00	6.71
93		trans-1,4-Dichloro-2-Bute	0.355	0.360	-1.4	95	0.00	6.76
94		1,2,3-Trichloropropane	0.309	0.316	-2.3	100	0.00	6.72
95		Cyclohexanone	0.065	0.069	-6.2	104	0.00	6.74
96		4-Chlorotoluene	1.951	1.970	-1.0	100	0.00	6.83
97		tert-Butylbenzene	1.173	1.213	-3.4	99	0.00	7.00
98		a-Methyl styrene		----------NA----------				
99		1,2,4-Trimethylbenzene	2.083	2.162	-3.8	100	0.00	7.04
			Amount	Calc.	%Drift			
100		Pentachloroethane	40.000	41.706	-4.3	101	0.00	7.00
			AvgRF	CCRF	%Dev			
101		sec-Butylbenzene	2.271	2.403	-5.8	100	0.00	7.13
			Amount	Calc.	%Drift			
102		4-Isopropyltoluene	40.000	41.575	-3.9	102	0.00	7.25
			AvgRF	CCRF	%Dev			
103		1,3-Dichlorobenzene	1.114	1.171	-5.1	104	0.00	7.28
104		1,2,3-Trimethylbenzene	2.090	2.165	-3.6	100	0.00	7.37
105		1,4-Dichlorobenzene	1.164	1.197	-2.8	101	0.00	7.35
			Amount	Calc.	%Drift			
106		n-Butylbenzene	40.000	41.752	-4.4	102	0.00	7.56
107		Benzyl Chloride	40.000	40.483	-1.2	94	0.00	7.52
			AvgRF	CCRF	%Dev			
108		1,2-Dichlorobenzene	1.046	1.084	-3.6	101	0.00	7.65
			Amount	Calc.	%Drift			
109		1,2-Dibromo-3-Chloropropa	40.000	41.443	-3.6	102	0.00	8.20
110		Hexachlorobutadiene	40.000	43.374	-8.4	105	0.00	8.68
			AvgRF	CCRF	%Dev			
111		1,2,4-Trichlorobenzene	0.556	0.602	-8.3	104	0.00	8.68
			Amount	Calc.	%Drift			
112		Naphthalene	40.000	41.384	-3.5	102	0.00	8.88
			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3568-CC3560
Lab FileID: 2P92657.D

113	1,2,3-Trichlorobenzene	0.522	0.568	-8.8	106	0.00	9.01	

(#) = Out of Range SPCC's out = 0 CCC's out = 1
2P92271.D V2P_2022-08-24.M Tue Sep 06 11:44:43 2022

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3568-ECC3560
Lab FileID: 2P92701.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\jo...022\v2p3568\2P92701.D Vial: 74
Acq On : 6 Sep 2022 11:22 pm Operator: courtnef
Sample : ECC3560-5 Inst : MSVOA13
Misc : MS52327,V2P3568,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\met...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:29:43 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	85	0.00	3.72
		True	Calc.	% Drift			
2	Dichlorodifluoromethane	40.000	62.129	-55.3#	124	0.00	1.12
		AvgRF	CCRF	% Dev			
3 P	Chloromethane	0.153	0.205	-34.0	114	0.00	1.25
4	1,3-butadiene	0.142	0.153	-7.7	90	0.00	1.32
5 C	Vinyl Chloride	0.186	0.255	-37.1#	112	0.00	1.30
6	Bromomethane	0.115	0.123	-7.0	97	0.00	1.50
		True	Calc.	% Drift			
7	Chloroethane	40.000	47.022	-17.6	106	0.00	1.58
8	Trichlorofluoromethane	40.000	77.461	-93.7#	104	0.00	1.67
		AvgRF	CCRF	% Dev			
9	Ethyl Ether	0.174	0.199	-14.4	96	0.00	1.88
		True	Calc.	% Drift			
10	Ethanol	800.000	1011.839	-26.5	99	0.00	1.97
		AvgRF	CCRF	% Dev			
11	1,2-Dichlorotrifluoroetha	0.163	0.192	-17.8	96	0.00	1.97
12 C	1,1-Dichloroethene	0.238	0.274	-15.1	94	0.00	1.98
		True	Calc.	% Drift			
13	Freon 113	40.000	45.443	-13.6	91	0.00	2.01
14	Carbon Disulfide	40.000	40.069	-0.2	82	0.00	2.00
15	Iodomethane	40.000	55.269	-38.2	113	0.00	2.06
		AvgRF	CCRF	% Dev			
16	Acrolein	0.064	0.067	-4.7	87	0.00	2.15
17	Allyl chloride	0.171	0.176	-2.9	83	0.00	2.25
		True	Calc.	% Drift			
18	Methylene Chloride	40.000	42.720	-6.8	99	0.00	2.30
19	Acetone	200.000	220.057	-10.0	96	0.00	2.32
		AvgRF	CCRF	% Dev			
20	Methyl acetate	0.233	0.285	-22.3	102	0.00	2.40
21	trans-1,2-Dichloroethene	0.241	0.274	-13.7	95	0.00	2.40

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: V2P3568-ECC3560
Lab FileID: 2P92701.D

			True	Calc.	% Drift			
22		Hexane	40.000	43.322	-8.3	87	0.00	2.47
			AvgRF	CCRF	% Dev			
23		Methyl Tert Butyl Ether	0.549	0.636	-15.8	96	0.00	2.47
24		Tert Butyl Alcohol	0.068	0.076	-11.8	91	0.00	2.51
25		Acetonitrile	0.038	0.041	-7.9	100	0.00	2.55
26		Di-isopropyl ether	0.510	0.602	-18.0	99	0.00	2.69
27		Chloroprene	0.726	0.827	-13.9	98	0.00	2.73
28	P	1,1-Dichloroethane	0.317	0.364	-14.8	95	0.00	2.73
29		Acrylonitrile	0.115	0.130	-13.0	99	0.00	2.73
30		ETBE	0.597	0.698	-16.9	96	0.00	2.88
31		Vinyl acetate	0.411	0.448	-9.0	90	0.00	2.86
32		cis-1,2-Dichloroethene	0.189	0.212	-12.2	94	0.00	3.02
			True	Calc.	% Drift			
33		2,2-Dichloropropane	40.000	35.408	11.5	73	0.00	3.09
			AvgRF	CCRF	% Dev			
34		Bromochloromethane	0.085	0.094	-10.6	94	0.00	3.13
			True	Calc.	% Drift			
35		Cyclohexane	40.000	46.115	-15.3	95	0.00	3.16
			AvgRF	CCRF	% Dev			
36	C	Chloroform	0.318	0.370	-16.4	95	0.00	3.17
37		Ethyl acetate	0.311	0.360	-15.8	99	0.00	3.23
38		Tetrahydrofuran	0.119	0.140	-17.6	101	0.00	3.26
39	S	Dibromofluoromethane	0.213	0.218	-2.3	86	0.00	3.27
			True	Calc.	% Drift			
40		Carbon Tetrachloride	40.000	43.038	-7.6	89	0.00	3.27
41		1,1,1-Trichloroethane	40.000	44.684	-11.7	94	0.00	3.30
42		2-Butanone	200.000	220.733	-10.4	98	0.00	3.32
			AvgRF	CCRF	% Dev			
43		1,1-Dichloropropene	0.238	0.274	-15.1	94	0.00	3.37
			True	Calc.	% Drift			
44		tert-Butyl formate	200.000	218.033	-9.0	91	0.00	3.41
			AvgRF	CCRF	% Dev			
45		Propionitrile	0.061	0.071	-16.4	99	0.00	3.46
46		Methacrylonitrile	0.163	0.195	-19.6	98	0.00	3.49
47		Benzene	0.761	0.879	-15.5	97	0.00	3.50
48		TAME	0.543	0.644	-18.6	97	0.00	3.57
49	S	1,2-Dichloroethane-d4	0.295	0.306	-3.7	86	0.00	3.55
50		Isobutyl alcohol	0.031	0.039	-25.8	98	0.00	3.59
51		1,2-Dichloroethane	0.272	0.308	-13.2	94	0.00	3.59
			True	Calc.	% Drift			
52		Tert Amyl Alcohol	400.000	427.236	-6.8	90	0.00	3.65
			AvgRF	CCRF	% Dev			
53		Trichloroethene	0.196	0.217	-10.7	95	0.00	3.83
			True	Calc.	% Drift			
54		Methylcyclohexane	40.000	45.878	-14.7	94	0.00	3.85
			AvgRF	CCRF	% Dev			

Continuing Calibration Summary

Job Number: FA98431 **Sample:** V2P3568-ECC3560
Account: BHATALB Bhate Environmental **Lab FileID:** 2P92701.D
Project: Griffiss AFB; Rome, NY

55		Dibromomethane	0.108	0.124	-14.8	95	0.00	4.05
56	C	1,2-Dichloropropane	0.185	0.218	-17.8	98	0.00	4.11
		----------	True	Calc.	% Drift	----------		
57		Bromodichloromethane	40.000	42.922	-7.3	90	0.00	4.14
58		Methyl methacrylate	40.000	45.843	-14.6	97	0.00	4.23
		----------	AvgRF	CCRF	% Dev	----------		
59		1,4-Dioxane	0.006	0.006	0.0	94	0.00	4.26
60		2-Chloroethyl vinyl ether	0.154	0.169	-9.7	89	0.00	4.48
		----------	True	Calc.	% Drift	----------		
61		cis-1,3-Dichloropropene	40.000	42.546	-6.4	89	0.00	4.52
		----------	AvgRF	CCRF	% Dev	----------		
62	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00	5.64
63	S	Toluene-d8	1.376	1.265	8.1	89	0.00	4.65
64	C	Toluene	1.180	1.178	0.2	97	0.00	4.68
		----------	True	Calc.	% Drift	----------		
65		2-Nitropropane	200.000	164.456	17.8	73	0.00	4.78
		----------	AvgRF	CCRF	% Dev	----------		
66		4-Methyl-2-pentanone	0.455	0.466	-2.4	100	0.00	4.89
		----------	True	Calc.	% Drift	----------		
67		trans-1,3-Dichloropropene	40.000	37.870	5.3	88	0.00	4.92
		----------	AvgRF	CCRF	% Dev	----------		
68		Tetrachloroethene	0.251	0.299	-19.1	114	0.00	4.94
		----------	True	Calc.	% Drift	----------		
69		Ethyl methacrylate	40.000	41.949	-4.9	99	0.00	5.03
		----------	AvgRF	CCRF	% Dev	----------		
70		1,1,2-Trichloroethane	0.202	0.208	-3.0	98	0.00	5.02
		----------	True	Calc.	% Drift	----------		
71		Dibromochloromethane	40.000	39.049	2.4	91	0.00	5.14
		----------	AvgRF	CCRF	% Dev	----------		
72		1,3-Dichloropropane	0.449	0.455	-1.3	98	0.00	5.20
73		1,2-Dibromoethane	0.244	0.259	-6.1	99	0.00	5.29
		----------	True	Calc.	% Drift	----------		
74		3,3-dimethyl-1-butanol	2000.000	1991.884	0.4	94	0.00	5.42
		----------	AvgRF	CCRF	% Dev	----------		
75		2-hexanone	0.511	0.526	-2.9	98	0.00	5.43
76		1-Chlorohexane	0.376	0.377	-0.3	97	0.00	5.65
77	C	Ethylbenzene	1.295	1.300	-0.4	96	0.00	5.68
78	P	Chlorobenzene	0.707	0.713	-0.8	98	0.00	5.66
		----------	True	Calc.	% Drift	----------		
79		1,1,1,2-Tetrachloroethane	40.000	40.578	-1.4	97	0.00	5.70
		----------	AvgRF	CCRF	% Dev	----------		
80		m,p-Xylene	1.024	1.035	-1.1	95	0.00	5.78
81		o-Xylene	1.008	1.028	-2.0	96	0.00	6.08

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3568-ECC3560
Lab FileID: 2P92701.D

82		Styrene	0.771	0.818	-6.1	97	0.00	6.11
			True	Calc.	% Drift			
83	P	Bromoform	40.000	36.561	8.6	85	0.00	6.12
			AvgRF	CCRF	% Dev			
84		Isopropylbenzene	1.163	1.213	-4.3	97	0.00	6.31
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00	7.33
86	S	4-Bromofluorobenzene	0.780	0.764	2.1	102	0.00	6.50
			True	Calc.	% Drift			
87		cis-1,4-Dichloro-2-butene	40.000	22.500	43.8	53	0.00	6.53
			AvgRF	CCRF	% Dev			
88		n-Propylbenzene	3.068	2.921	4.8	96	0.00	6.61
89		Bromobenzene	0.620	0.602	2.9	99	0.00	6.57
90	P	1,1,2,2-Tetrachloroethane	0.828	0.807	2.5	98	0.00	6.63
91		1,3,5-Trimethylbenzene	2.136	2.055	3.8	96	0.00	6.76
92		2-Chlorotoluene	1.851	1.755	5.2	96	0.00	6.71
93		trans-1,4-Dichloro-2-Bute	0.355	0.230	35.2	64	0.00	6.76
94		1,2,3-Trichloropropane	0.309	0.300	2.9	99	0.00	6.73
95		Cyclohexanone	0.065	0.065	0.0	101	0.00	6.74
96		4-Chlorotoluene	1.951	1.823	6.6	96	0.00	6.84
97		tert-Butylbenzene	1.173	1.132	3.5	97	0.00	6.99
98		a-Methyl styrene	0.000	0.000	0.0	0#	0.00	7.13
99		1,2,4-Trimethylbenzene	2.083	2.011	3.5	97	0.00	7.05
			True	Calc.	% Drift			
100		Pentachloroethane	40.000	32.107	19.7	78	0.00	7.00
			AvgRF	CCRF	% Dev			
101		sec-Butylbenzene	2.271	2.227	1.9	97	0.00	7.13
			True	Calc.	% Drift			
102		4-Isopropyltoluene	40.000	38.683	3.3	98	0.00	7.24
			AvgRF	CCRF	% Dev			
103		1,3-Dichlorobenzene	1.114	1.066	4.3	99	0.00	7.28
104		1,2,3-Trimethylbenzene	2.090	2.014	3.6	97	0.00	7.38
105		1,4-Dichlorobenzene	1.164	1.100	5.5	97	0.00	7.34
			True	Calc.	% Drift			
106		n-Butylbenzene	40.000	37.197	7.0	94	0.00	7.56
107		Benzyl Chloride	40.000	25.204	37.0	55	0.00	7.52
			AvgRF	CCRF	% Dev			
108		1,2-Dichlorobenzene	1.046	1.014	3.1	99	0.00	7.65
			True	Calc.	% Drift			
109		1,2-Dibromo-3-Chloropropa	40.000	36.010	10.0	90	0.00	8.21
110		Hexachlorobutadiene	40.000	38.419	4.0	95	0.00	8.69
			AvgRF	CCRF	% Dev			
111		1,2,4-Trichlorobenzene	0.556	0.543	2.3	98	0.00	8.68
			True	Calc.	% Drift			
112		Naphthalene	40.000	38.566	3.6	99	0.00	8.89
			AvgRF	CCRF	% Dev			

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V2P3568-ECC3560
Lab FileID: 2P92701.D

113	1,2,3-Trichlorobenzene	0.522	0.523	-0.2	102	0.00	9.01

(#) = Out of Range SPCC's out = 0 CCC's out = 1
2P92271.D V2P_2022-08-24.M Wed Sep 07 02:20:59 2022

Initial Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICC2796
Lab FileID: O70546.D

Response Factor Report MSVOA12

Method : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Calibration Files
1 =O70542.D 2 =O70543.D 3 =O70544.D 4 =O70545.D
5 =O70546.D 6 =O70547.D 7 =O70548.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	----------	ISTD	----------						
2) Dichlorodifluorom	0.309	0.241	0.184	0.169	0.174	0.169	0.183	0.204	25.83
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9967									
Response Ratio = 0.00000 + 0.17887 *A + -0.00067 *A^2									
3)P Chloromethane	0.273	0.243	0.207	0.198	0.193	0.187	0.199	0.214	14.80
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9983									
Response Ratio = 0.00000 + 0.20098 *A + -0.00341 *A^2									
4) 1,3-butadiene	0.246	0.279	0.153	0.176	0.194	0.175	0.184	0.201	22.25
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9918									
Response Ratio = 0.00000 + 0.18897 *A + -0.00409 *A^2									
5)C Vinyl Chloride	0.292	0.272	0.236	0.219	0.219	0.211	0.225	0.239	12.93
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9982									
Response Ratio = 0.00000 + 0.22495 *A + -0.00276 *A^2									
6) Bromomethane	0.155	0.123	0.122	0.109	0.109	0.105	0.111	0.119	14.62
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987									
Response Ratio = 0.00000 + 0.11198 *A + -0.00169 *A^2									
7) Chloroethane	0.156	0.171	0.151	0.141	0.144	0.131	0.102	0.142	15.42
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9972									
Response Ratio = 0.00000 + 0.16539 *A + -0.03016 *A^2									
8) Trichlorofluorome	0.435	0.403	0.343	0.313	0.324	0.318	0.346	0.355	13.09
9) Ethyl Ether	0.193	0.141	0.162	0.148	0.148	0.157	0.156	0.158	10.70
10) Ethanol		0.002	0.001	0.002	0.002	0.002	0.002	0.002	14.86
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9955									
Response Ratio = 0.00000 + 0.00171 *A + 0.00000 *A^2									
11) 1,2-Dichlorotrifl	0.262	0.184	0.190	0.189	0.194	0.203	0.204	0.204	13.16
12)C 1,1-Dichloroethen	0.355	0.250	0.270	0.265	0.278	0.291	0.293	0.286	11.87
13) Freon 113	0.290	0.179	0.176	0.169	0.188	0.190	0.194	0.198	21.10
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989									
Response Ratio = 0.00000 + 0.17593 *A + 0.00933 *A^2									
14) Carbon Disulfide	0.750	0.460	0.488	0.493	0.530	0.559	0.565	0.549	17.59
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990									
Response Ratio = 0.00000 + 0.49286 *A + 0.03867 *A^2									
15) Iodomethane	0.055	0.056	0.066	0.103	0.134	0.171	0.174	0.108	48.16
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9922									
Response Ratio = 0.00000 + 0.08560 *A + 0.04880 *A^2									
16) Acrolein	0.034	0.044	0.041	0.036	0.035	0.039	0.041	0.039	9.66

Initial Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VO2796-ICC2796
Lab FileID: O70546.D

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17)  Allyl chloride    0.225 0.303 0.179 0.229 0.249 0.241 0.251 0.240  15.44
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
              Response Ratio = 0.00000 + 0.22918 *A + 0.01090 *A^2

18)  Methylene Chlorid 1.207 0.389 0.299 0.266 0.256 0.262 0.257 0.419  83.60
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9974
              Response Ratio = 0.00000 + 0.26700 *A

19)  Acetone           0.078 0.071 0.070 0.052 0.054 0.058 0.061 0.063  15.29
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9953
              Response Ratio = 0.00000 + 0.05642 *A + 0.00032 *A^2

20)  Methyl acetate    0.161 0.134 0.152 0.145 0.140 0.151 0.157 0.149   6.27
21)  trans-1,2-Dichlor 0.353 0.253 0.271 0.271 0.275 0.287 0.287 0.285  11.30
22)  Hexane            0.173 0.098 0.110 0.104 0.117 0.122 0.121 0.121  20.54
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9980
              Response Ratio = 0.00000 + 0.10883 *A + 0.00687 *A^2

23)  Methyl Tert Butyl 0.572 0.453 0.506 0.473 0.469 0.498 0.507 0.497   7.83
24)  Tert Butyl Alcoho 0.022 0.017 0.018 0.017 0.016 0.018 0.019 0.018  11.38
25)  Acetonitrile      0.028 0.036 0.020 0.024 0.026 0.024 0.025 0.026  18.28
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9938
              Response Ratio = 0.00000 + 0.02483 *A + 0.00001 *A^2

26)  Di-isopropyl ethe 0.673 0.532 0.575 0.563 0.555 0.592 0.596 0.584   7.74
27)  Chloroprene       0.039 0.067 0.039 0.049 0.055 0.053 0.057 0.052  19.56
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9947
              Response Ratio = 0.00000 + 0.04894 *A + 0.00394 *A^2

28)P 1,1-Dichloroethan 0.425 0.322 0.340 0.337 0.337 0.352 0.352 0.352   9.58
29)  Acrylonitrile     0.071 0.057 0.054 0.061 0.067 0.065 0.067 0.063   9.72
30)  ETBE              0.630 0.503 0.557 0.546 0.543 0.589 0.594 0.566   7.31
31)  Vinyl acetate     0.401 0.320 0.323 0.380 0.436 0.425 0.434 0.388  12.78
32)  cis-1,2-Dichloroe 0.296 0.195 0.203 0.198 0.199 0.208 0.207 0.215  16.70
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
              Response Ratio = 0.00000 + 0.19915 *A + 0.00432 *A^2

33)  2,2-Dichloropropa 0.338 0.236 0.254 0.254 0.274 0.287 0.290 0.276  12.07
34)  Bromochloromethan 0.159 0.110 0.118 0.109 0.110 0.116 0.114 0.119  14.90
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9994
              Response Ratio = 0.00000 + 0.11150 *A + 0.00148 *A^2

35)  Cyclohexane       0.387 0.273 0.281 0.279 0.298 0.315 0.325 0.308  12.88
36)C Chloroform        0.471 0.344 0.365 0.354 0.349 0.364 0.365 0.373  11.78
37)  Ethyl acetate     0.211 0.176 0.160 0.182 0.201 0.195 0.204 0.190   9.55
38)  Tetrahydrofuran   0.099 0.067 0.064 0.059 0.056 0.059 0.062 0.067  21.94
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
              Response Ratio = 0.00000 + 0.05924 *A + 0.00068 *A^2

39)S Dibromofluorometh 0.272 0.278 0.282 0.286 0.285 0.286 0.286 0.282   1.90
40)  Carbon Tetrachlor 0.350 0.242 0.263 0.266 0.286 0.298 0.302 0.287  12.25
41)  1,1,1-Trichloroet 0.401 0.295 0.311 0.310 0.324 0.334 0.336 0.330  10.45
42)  2-Butanone        0.093 0.105 0.109 0.082 0.085 0.092 0.098 0.095  10.39
43)  1,1-Dichloroprope 0.348 0.240 0.256 0.253 0.265 0.272 0.273 0.272  12.94
44)  tert-Butyl format 0.115 0.139 0.136 0.122 0.122 0.140 0.145 0.131   8.67
45)  Propionitrile     0.029 0.043 0.025 0.031 0.032 0.031 0.033 0.032  17.49
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9947
              Response Ratio = 0.00000 + 0.03019 *A + 0.00014 *A^2

46)  Methacrylonitrile 0.149 0.194 0.116 0.144 0.148 0.143 0.148 0.149  15.45
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Initial Calibration Summary

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            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9955
              Response Ratio = 0.00000 + 0.14342 *A + 0.00017 *A^2

47)  Benzene           1.013 0.706 0.758 0.741 0.739 0.777 0.780 0.788  13.00
48)  TAME              0.556 0.442 0.484 0.472 0.466 0.499 0.504 0.489   7.46
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 0.46057 *A + 0.02266 *A^2

49)  Isobutyl alcohol  0.006 0.008 0.005 0.006 0.006 0.006 0.007 0.007  15.39
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9955
              Response Ratio = 0.00000 + 0.00613 *A + 0.00002 *A^2

50)S 1,2-Dichloroethan 0.291 0.297 0.305 0.290 0.286 0.287 0.277 0.290   3.11
51)  1,2-Dichloroethan 0.395 0.291 0.307 0.285 0.280 0.292 0.287 0.305  13.25
52)  Tert Amyl Alcohol 0.013 0.011 0.012 0.012 0.011 0.013 0.014 0.012   9.01
53)  Trichloroethene   0.302 0.192 0.210 0.206 0.211 0.219 0.220 0.223  16.22
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9994
              Response Ratio = 0.00000 + 0.20624 *A + 0.00707 *A^2

54)  Methylcyclohexane 0.346 0.226 0.232 0.232 0.255 0.266 0.278 0.262  16.02
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9993
              Response Ratio = 0.00000 + 0.23077 *A + 0.02402 *A^2

55)  Dibromomethane    0.170 0.120 0.131 0.128 0.124 0.132 0.131 0.134  12.45
56)C 1,2-Dichloropropa 0.227 0.174 0.195 0.187 0.189 0.199 0.199 0.196   8.33
57)  Bromodichlorometh 0.289 0.212 0.237 0.238 0.241 0.259 0.266 0.249   9.89
58)  Methyl methacryla 0.139 0.186 0.115 0.160 0.172 0.173 0.181 0.161  15.74
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9965
              Response Ratio = 0.00000 + 0.15138 *A + 0.01543 *A^2

59)  1,4-Dioxane       0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002  14.68
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9992
              Response Ratio = 0.00000 + 0.00174 *A + -0.00000 *A^2

60)  2-Chloroethyl vin 0.096 0.145 0.140 0.128 0.126 0.142 0.148 0.132  13.62
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
              Response Ratio = 0.00000 + 0.12469 *A + 0.00227 *A^2

61)  cis-1,3-Dichlorop 0.303 0.235 0.264 0.272 0.277 0.299 0.303 0.279   8.99

62) I   Chlorobenzene-d5      ----------------ISTD--------------------
63)S Toluene-d8        1.267 1.270 1.264 1.258 1.250 1.239 1.226 1.254   1.28
64)C Toluene           1.395 0.994 1.031 1.014 1.011 1.054 1.048 1.078  13.11
65)  2-Nitropropane    0.065 0.053 0.060 0.064 0.064 0.071 0.072 0.064  10.32
66)  4-Methyl-2-pentan 0.255 0.281 0.286 0.221 0.230 0.250 0.261 0.255   9.52
67)  trans-1,3-Dichlor 0.319 0.267 0.306 0.301 0.311 0.334 0.335 0.310   7.45
68)  Tetrachloroethene 0.416 0.299 0.298 0.303 0.303 0.315 0.316 0.321  13.18
69)  Ethyl methacrylat 0.224 0.356 0.211 0.292 0.311 0.308 0.320 0.289  18.18
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9957
              Response Ratio = 0.00000 + 0.27957 *A + 0.02105 *A^2

70)  1,1,2-Trichloroet 0.240 0.182 0.199 0.187 0.182 0.188 0.184 0.195  10.79
71)  Dibromochlorometh 0.294 0.233 0.256 0.260 0.265 0.285 0.287 0.269   7.94
72)  1,3-Dichloropropa 0.528 0.376 0.403 0.382 0.372 0.384 0.380 0.403  13.84
73)  1,2-Dibromoethane 0.308 0.220 0.252 0.240 0.236 0.247 0.245 0.250  11.06
74)  3,3-dimethyl-1-bu 0.014 0.018 0.019 0.017 0.016 0.020 0.022 0.018  13.43
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9975
              Response Ratio = 0.00000 + 0.01547 *A + 0.00006 *A^2

75)  2-hexanone        0.154 0.188 0.196 0.151 0.158 0.173 0.182 0.172  10.33
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Initial Calibration Summary

Job Number: FA98431 **Sample:** VO2796-ICC2796
Account: BHATALB Bhate Environmental **Lab FileID:** O70546.D
Project: Griffiss AFB; Rome, NY

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 76)  1-Chlorohexane    0.328 0.265 0.279 0.279 0.291 0.311 0.313 0.295   7.75
 77)C Ethylbenzene      1.606 1.127 1.163 1.150 1.167 1.224 1.219 1.237  13.49
 78)P Chlorobenzene     0.959 0.677 0.707 0.693 0.682 0.716 0.718 0.736  13.51
 79)  1,1,1,2-Tetrachlo 0.283 0.225 0.250 0.249 0.248 0.265 0.265 0.255   7.12
 80)  m,p-Xylene        1.121 0.840 0.882 0.890 0.901 0.949 0.950 0.933   9.78
 81)  o-Xylene          1.094 0.805 0.856 0.865 0.869 0.913 0.910 0.902  10.21
 82)  Styrene           0.645 0.498 0.588 0.630 0.649 0.703 0.712 0.632  11.50
 83)P Bromoform         0.155 0.128 0.154 0.159 0.163 0.182 0.188 0.161  12.25
 84)  Isopropylbenzene  1.266 0.967 1.051 1.059 1.079 1.127 1.132 1.097   8.43

 85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
 86)S 4-Bromofluorobenz 0.808 0.806 0.810 0.794 0.800 0.795 0.791 0.801   0.94
 87)  cis-1,4-Dichloro- 0.141 0.198 0.123 0.168 0.185 0.187 0.200 0.172  17.22
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9966
               Response Ratio = 0.00000 + 0.15822 *A + 0.02111 *A^2

 88)  n-Propylbenzene   3.044 2.207 2.331 2.331 2.397 2.497 2.560 2.481  11.04
 89)  Bromobenzene      0.823 0.579 0.611 0.588 0.588 0.612 0.618 0.631  13.57
 90)P 1,1,2,2-Tetrachlo 0.734 0.588 0.628 0.597 0.581 0.605 0.616 0.621   8.42
 91)  1,3,5-Trimethylbe 1.975 1.563 1.665 1.697 1.751 1.844 1.899 1.771   8.10
 92)  2-Chlorotoluene   1.858 1.384 1.442 1.447 1.484 1.552 1.576 1.535  10.24
 93)  trans-1,4-Dichlor 0.128 0.138 0.163 0.162 0.163 0.174 0.182 0.159  12.10
 94)  1,2,3-Trichloropr 0.222 0.193 0.198 0.193 0.189 0.196 0.198 0.198   5.48
 95)  Cyclohexanone     0.021 0.013 0.015 0.015 0.015 0.014 0.015 0.015  15.74
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9991
               Response Ratio = 0.00000 + 0.01475 *A + -0.00001 *A^2

 96)  4-Chlorotoluene   1.858 1.384 1.442 1.447 1.484 1.552 1.576 1.535  10.24
 97)  tert-Butylbenzene 1.184 0.829 0.892 0.901 0.919 0.956 0.973 0.951  11.88
 98)  a-Methyl styrene                                             0.000  -1.00
 99)  1,2,4-Trimethylbe 1.944 1.508 1.642 1.643 1.682 1.780 1.811 1.716   8.25
100)  Pentachloroethane 0.271 0.401 0.230 0.319 0.357 0.343 0.361 0.326  17.90
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9947
               Response Ratio = 0.00000 + 0.31195 *A + 0.02508 *A^2

101)  sec-Butylbenzene  2.206 1.704 1.793 1.809 1.869 1.924 1.969 1.896   8.55
102)  4-Isopropyltoluen 1.838 1.419 1.581 1.603 1.676 1.744 1.773 1.662   8.48
103)  1,3-Dichlorobenze 1.423 1.011 1.048 1.026 1.021 1.070 1.089 1.098  13.30
104)  1,2,3-Trimethylbe 2.256 1.634 1.740 1.713 1.715 1.819 1.854 1.819  11.32
105)  1,4-Dichlorobenze 1.734 1.079 1.138 1.109 1.115 1.149 1.172 1.214  19.06
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
               Response Ratio = 0.00000 + 1.10794 *A + 0.02994 *A^2

106)  n-Butylbenzene    0.918 0.693 0.771 0.791 0.835 0.870 0.894 0.825   9.53
107)  Benzyl Chloride   0.147 0.136 0.159 0.182 0.197 0.235 0.249 0.186  23.27
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9990
               Response Ratio = 0.00000 + 0.15817 *A + 0.04777 *A^2

108)  1,2-Dichlorobenze 1.291 0.983 1.019 0.987 0.983 1.018 1.035 1.045  10.56
109)  1,2-Dibromo-3-Chl 0.108 0.081 0.093 0.093 0.095 0.105 0.112 0.098  11.12
110)  Hexachlorobutadie 0.345 0.231 0.231 0.228 0.244 0.237 0.231 0.250  16.96
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9990
               Response Ratio = 0.00000 + 0.24072 *A + -0.00437 *A^2

111)  1,2,4-Trichlorobe 0.788 0.562 0.603 0.594 0.606 0.630 0.627 0.630  11.63
112)  Naphthalene       2.277 1.592 1.658 1.592 1.609 1.701 1.762 1.741  14.03
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
               Response Ratio = 0.00000 + 1.57234 *A + 0.09143 *A^2

113)  1,2,3-Trichlorobe 0.791 0.575 0.599 0.582 0.587 0.609 0.601 0.621  12.28
```

Initial Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICC2796
Lab FileID: O70546.D

(#) = Out of Range

VO_08-23-2022.M Wed Aug 24 09:44:11 2022

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICV2796
Lab FileID: O70550.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2022-08-23\O70550.D Vial: 10
Acq On : 23 Aug 2022 4:49 pm Operator: joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 09:37:25 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	107	0.00	8.84
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	34.187	14.5	93	0.00	2.85
3 P	Chloromethane	40.000	37.719	5.7	104	0.00	3.20
4	1,3-butadiene	40.000	34.467	13.8	88	0.00	3.38
5 C	Vinyl Chloride	40.000	36.237	9.4	98	0.00	3.35
6	Bromomethane	40.000	36.692	8.3	100	0.00	3.90
7	Chloroethane	40.000	36.450	8.9	97	0.00	4.10
		AvgRF	CCRF	%Dev			
8	Trichlorofluoromethane	0.355	0.314	11.5	103	0.00	4.33
9	Ethyl Ether	0.158	0.148	6.3	107	0.00	4.80
		Amount	Calc.	%Drift			
10	Ethanol	800.000	682.908	14.6	88	0.00	5.02
		AvgRF	CCRF	%Dev			
11	1,2-Dichlorotrifluoroetha	0.204	0.218	-6.9	120	0.00	5.07
12 C	1,1-Dichloroethene	0.286	0.287	-0.3	110	0.00	5.08
		Amount	Calc.	%Drift			
13	Freon 113	40.000	39.808	0.5	104	0.00	5.14
14	Carbon Disulfide	40.000	34.532	13.7	90	0.00	5.12
15	Iodomethane	40.000	28.566	28.6#	64	0.00	5.29
		AvgRF	CCRF	%Dev			
16	Acrolein	0.039	0.035	10.3	106	0.00	5.54
		Amount	Calc.	%Drift			
17	Allyl chloride	40.000	40.475	-1.2	103	0.00	5.73
18	Methylene Chloride	40.000	38.156	4.6	106	0.00	5.87
19	Acetone	200.000	215.257	-7.6	123	0.00	5.93
		AvgRF	CCRF	%Dev			
20	Methyl acetate	0.149	0.153	-2.7	116	0.00	6.08
21	trans-1,2-Dichloroethene	0.285	0.272	4.6	105	0.00	6.07
		Amount	Calc.	%Drift			
22	Hexane	40.000	42.792	-7.0	112	0.00	6.17
		AvgRF	CCRF	%Dev			

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICV2796
Lab FileID: O70550.D

23		Methyl Tert Butyl Ether	0.497	0.574	-15.5	131	0.00	6.20
24		Tert Butyl Alcohol	0.018	0.016	11.1	108	0.00	6.30
			Amount	Calc.	%Drift			
25		Acetonitrile	400.000	355.690	11.1	93	0.00	6.51
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.584	0.583	0.2	112	0.00	6.65
			Amount	Calc.	%Drift			
27		Chloroprene	40.000	166.310	-315.8#	497	0.00	6.81
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane	0.352	0.356	-1.1	113	0.00	6.84
29		Acrylonitrile	0.063	0.066	-4.8	105	0.00	6.89
30		ETBE	0.566	0.530	6.4	104	0.00	7.09
31		Vinyl acetate	0.388	0.426	-9.8	104	0.00	7.11
			Amount	Calc.	%Drift			
32		cis-1,2-Dichloroethene	40.000	39.775	0.6	108	0.00	7.47
			AvgRF	CCRF	%Dev			
33		2,2-Dichloropropane	0.276	0.254	8.0	99	0.00	7.59
			Amount	Calc.	%Drift			
34		Bromochloromethane	40.000	38.502	3.7	105	0.00	7.70
			AvgRF	CCRF	%Dev			
35		Cyclohexane	0.308	0.301	2.3	108	0.00	7.71
36	C	Chloroform	0.373	0.348	6.7	106	0.00	7.76
37		Ethyl acetate	0.190	0.204	-7.4	108	0.00	7.87
			Amount	Calc.	%Drift			
38		Tetrahydrofuran	40.000	39.674	0.8	113	0.00	7.96
			AvgRF	CCRF	%Dev			
39	S	Dibromofluoromethane	0.282	0.289	-2.5	108	0.00	7.96
40		Carbon Tetrachloride	0.287	0.280	2.4	104	0.00	7.93
41		1,1,1-Trichloroethane	0.330	0.323	2.1	106	0.00	8.01
42		2-Butanone	0.095	0.098	-3.2	123	0.00	8.09
43		1,1-Dichloropropene	0.272	0.256	5.9	103	0.00	8.14
44		tert-Butyl formate	0.131	0.112	14.5	98	0.00	8.24
			Amount	Calc.	%Drift			
45		Propionitrile	400.000	336.098	16.0	88	0.00	8.42
46		Methacrylonitrile	400.000	365.183	8.7	95	0.00	8.45
			AvgRF	CCRF	%Dev			
47		Benzene	0.788	0.739	6.2	107	0.00	8.41
			Amount	Calc.	%Drift			
48		TAME	40.000	53.577	-33.9#	149	0.00	8.49
49		Isobutyl alcohol	800.000	714.657	10.7	93	0.00	8.57
			AvgRF	CCRF	%Dev			
50	S	1,2-Dichloroethane-d4	0.290	0.291	-0.3	109	0.00	8.55
51		1,2-Dichloroethane	0.305	0.286	6.2	109	0.00	8.62
52		Tert Amyl Alcohol	0.012	0.012	0.0	114	0.00	8.68
			Amount	Calc.	%Drift			

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICV2796
Lab FileID: O70550.D

53		Trichloroethene	40.000	39.307	1.7	105	0.00	9.02
54		Methylcyclohexane	40.000	41.682	-4.2	109	0.00	9.01
			AvgRF	CCRF	%Dev			
55		Dibromomethane	0.134	0.124	7.5	106	0.00	9.46
56	C	1,2-Dichloropropane	0.196	0.181	7.7	102	0.00	9.55
57		Bromodichloromethane	0.249	0.244	2.0	108	0.00	9.60
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	37.531	6.2	95	0.00	9.73
59		1,4-Dioxane	800.000	788.699	1.4	109	0.00	9.81
60		2-Chloroethyl vinyl ether	200.000	205.147	-2.6	116	0.00	10.15
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.279	0.276	1.1	107	0.00	10.24
62	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00	11.99
63	S	Toluene-d8	1.254	1.245	0.7	107	0.00	10.43
64	C	Toluene	1.078	1.020	5.4	108	0.00	10.48
65		2-Nitropropane	0.064	0.064	0.0	108	0.00	10.71
66		4-Methyl-2-pentanone	0.255	0.252	1.2	118	0.00	10.83
67		trans-1,3-Dichloropropene	0.310	0.341	-10.0	118	0.00	10.88
68		Tetrachloroethene	0.321	0.304	5.3	107	0.00	10.88
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	35.953	10.1	91	0.00	10.99
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.195	0.188	3.6	111	0.00	11.05
71		Dibromochloromethane	0.269	0.260	3.3	105	0.00	11.24
72		1,3-Dichloropropane	0.403	0.353	12.4	102	0.00	11.33
73		1,2-Dibromoethane	0.250	0.240	4.0	109	0.00	11.51
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	2031.161	-1.6	120	0.00	11.60
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.172	0.176	-2.3	119	0.00	11.65
76		1-Chlorohexane	0.295	0.304	-3.1	112	0.00	11.94
77	C	Ethylbenzene	1.237	1.152	6.9	106	0.00	12.01
78	P	Chlorobenzene	0.736	0.682	7.3	107	0.00	12.01
79		1,1,1,2-Tetrachloroethane	0.255	0.251	1.6	109	0.00	12.06
80		m,p-Xylene	0.933	0.889	4.7	106	0.00	12.15
81		o-Xylene	0.902	0.885	1.9	109	0.00	12.59
82		Styrene	0.632	0.653	-3.3	108	0.00	12.64
83	P	Bromoform	0.161	0.171	-6.2	113	0.00	12.70
84		Isopropylbenzene	1.097	1.084	1.2	108	0.00	12.89
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	14.35
86	S	4-Bromofluorobenzene	0.801	0.804	-0.4	109	0.00	13.21
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	36.126	9.7	92	0.00	13.25
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	2.481	2.378	4.2	107	0.00	13.31
89		Bromobenzene	0.631	0.566	10.3	104	0.00	13.33
90	P	1,1,2,2-Tetrachloroethane	0.621	0.594	4.3	110	0.00	13.38
91		1,3,5-Trimethylbenzene	1.771	1.708	3.6	105	0.00	13.49
92		2-Chlorotoluene	1.535	1.492	2.8	109	0.00	13.67

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICV2796
Lab FileID: O70550.D

93	trans-1,4-Dichloro-2-Bute	0.159	0.134	15.7	88	0.00	13.57
94	1,2,3-Trichloropropane	0.198	0.183	7.6	104	0.00	13.54
		Amount	Calc.	%Drift			
95	Cyclohexanone	200.000	206.745	-3.4	111	0.00	13.62
		AvgRF	CCRF	%Dev			
96	4-Chlorotoluene	1.535	1.492	2.8	109	0.00	13.67
97	tert-Butylbenzene	0.951	0.919	3.4	108	0.00	13.83
98	a-Methyl styrene		----------NA----------				
99	1,2,4-Trimethylbenzene	1.716	1.696	1.2	109	0.00	13.90
		Amount	Calc.	%Drift			
100	Pentachloroethane	40.000	37.805	5.5	95	0.00	13.89
		AvgRF	CCRF	%Dev			
101	sec-Butylbenzene	1.896	1.923	-1.4	111	0.00	14.02
102	4-Isopropyltoluene	1.662	1.690	-1.7	109	0.00	14.15
103	1,3-Dichlorobenzene	1.098	1.049	4.5	111	0.00	14.29
104	1,2,3-Trimethylbenzene	1.819	1.803	0.9	114	0.00	14.36
		Amount	Calc.	%Drift			
105	1,4-Dichlorobenzene	40.000	38.651	3.4	106	0.00	14.37
		AvgRF	CCRF	%Dev			
106	n-Butylbenzene	0.825	0.766	7.2	99	0.00	14.58
		Amount	Calc.	%Drift			
107	Benzyl Chloride	40.000	30.589	23.5#	78	0.00	14.60
		AvgRF	CCRF	%Dev			
108	1,2-Dichlorobenzene	1.045	0.989	5.4	109	0.00	14.79
109	1,2-Dibromo-3-Chloropropa	0.098	0.094	4.1	107	0.00	15.53
		Amount	Calc.	%Drift			
110	Hexachlorobutadiene	40.000	36.498	8.8	96	0.00	16.07
		AvgRF	CCRF	%Dev			
111	1,2,4-Trichlorobenzene	0.630	0.593	5.9	106	0.00	16.12
		Amount	Calc.	%Drift			
112	Naphthalene	40.000	39.492	1.3	109	0.00	16.41
		AvgRF	CCRF	%Dev			
113	1,2,3-Trichlorobenzene	0.621	0.570	8.2	105	0.00	16.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O70546.D VO_08-23-2022.M Wed Aug 24 09:43:59 2022

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2808-CC2796
Lab FileID: O70797.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2022-09-01\O70797.D Vial: 2
Acq On : 1 Sep 2022 11:29 am Operator: joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 09:37:25 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	91	0.00	8.84
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane	40.000	55.226	-38.1#	128	0.00	2.84
3	P	Chloromethane	40.000	44.981	-12.5	105	0.00	3.20
4		1,3-butadiene	40.000	34.883	12.8	76	0.00	3.37
5	C	Vinyl Chloride	40.000	45.617	-14.0	105	0.00	3.34
6		Bromomethane	40.000	38.229	4.4	88	0.00	3.90
7		Chloroethane	40.000	48.554	-21.4#	105	0.00	4.10
			AvgRF	CCRF	%Dev			
8		Trichlorofluoromethane	0.355	0.372	-4.8	104	0.00	4.33
9		Ethyl Ether	0.158	0.154	2.5	95	0.00	4.79
			Amount	Calc.	%Drift			
10		Ethanol	800.000	840.384	-5.0	93	0.00	5.01
			AvgRF	CCRF	%Dev			
11		1,2-Dichlorotrifluoroetha	0.204	0.216	-5.9	101	0.00	5.07
12	C	1,1-Dichloroethene	0.286	0.303	-5.9	99	0.00	5.08
			Amount	Calc.	%Drift			
13		Freon 113	40.000	46.669	-16.7	105	0.00	5.14
14		Carbon Disulfide	40.000	42.499	-6.2	96	0.00	5.12
15		Iodomethane	40.000	30.442	23.9#	60	0.00	5.28
			AvgRF	CCRF	%Dev			
16		Acrolein	0.039	0.037	5.1	97	0.00	5.54
			Amount	Calc.	%Drift			
17		Allyl chloride	40.000	36.432	8.9	79	0.00	5.73
18		Methylene Chloride	40.000	42.781	-7.0	101	0.00	5.86
19		Acetone	200.000	201.086	-0.5	98	0.00	5.92
			AvgRF	CCRF	%Dev			
20		Methyl acetate	0.149	0.155	-4.0	101	0.00	6.07
21		trans-1,2-Dichloroethene	0.285	0.291	-2.1	96	0.00	6.07
			Amount	Calc.	%Drift			
22		Hexane	40.000	46.865	-17.2	105	0.00	6.17
			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2808-CC2796
Lab FileID: O70797.D

23		Methyl Tert Butyl Ether	0.497	0.495	0.4	96	0.00	6.20
24		Tert Butyl Alcohol	0.018	0.017	5.6	98	0.00	6.30
			Amount	Calc.	%Drift			
25		Acetonitrile	400.000	393.956	1.5	87	0.00	6.51
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.584	0.589	-0.9	97	0.00	6.65
			Amount	Calc.	%Drift			
27		Chloroprene	40.000	37.344	6.6	80	0.00	6.81
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane	0.352	0.358	-1.7	97	0.00	6.83
29		Acrylonitrile	0.063	0.064	-1.6	87	0.00	6.89
30		ETBE	0.566	0.572	-1.1	96	0.00	7.09
31		Vinyl acetate	0.388	0.406	-4.6	85	0.00	7.10
			Amount	Calc.	%Drift			
32		cis-1,2-Dichloroethene	40.000	41.175	-2.9	95	0.00	7.46
			AvgRF	CCRF	%Dev			
33		2,2-Dichloropropane	0.276	0.279	-1.1	93	0.00	7.59
			Amount	Calc.	%Drift			
34		Bromochloromethane	40.000	41.693	-4.2	97	0.00	7.70
			AvgRF	CCRF	%Dev			
35		Cyclohexane	0.308	0.345	-12.0	105	0.00	7.71
36	C	Chloroform	0.373	0.374	-0.3	97	0.00	7.76
37		Ethyl acetate	0.190	0.193	-1.6	87	0.00	7.87
			Amount	Calc.	%Drift			
38		Tetrahydrofuran	40.000	39.609	1.0	97	0.00	7.96
			AvgRF	CCRF	%Dev			
39	S	Dibromofluoromethane	0.282	0.283	-0.4	90	0.00	7.96
40		Carbon Tetrachloride	0.287	0.302	-5.2	96	0.00	7.93
41		1,1,1-Trichloroethane	0.330	0.342	-3.6	96	0.00	8.01
42		2-Butanone	0.095	0.092	3.2	98	0.00	8.09
43		1,1-Dichloropropene	0.272	0.284	-4.4	97	0.00	8.14
44		tert-Butyl formate	0.131	0.131	0.0	98	0.00	8.24
			Amount	Calc.	%Drift			
45		Propionitrile	400.000	371.759	7.1	83	0.00	8.42
46		Methacrylonitrile	400.000	391.666	2.1	87	0.00	8.45
			AvgRF	CCRF	%Dev			
47		Benzene	0.788	0.790	-0.3	97	0.00	8.41
			Amount	Calc.	%Drift			
48		TAME	40.000	41.018	-2.5	96	0.00	8.49
49		Isobutyl alcohol	800.000	831.040	-3.9	93	0.00	8.57
			AvgRF	CCRF	%Dev			
50	S	1,2-Dichloroethane-d4	0.290	0.291	-0.3	93	0.00	8.55
51		1,2-Dichloroethane	0.305	0.300	1.6	97	0.00	8.62
52		Tert Amyl Alcohol	0.012	0.012	0.0	104	0.00	8.68
			Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2808-CC2796
Lab FileID: O70797.D

53		Trichloroethene	40.000	42.149	-5.4	96	0.00	9.01
54		Methylcyclohexane	40.000	46.742	-16.9	106	0.00	9.01
			AvgRF	CCRF	%Dev			
55		Dibromomethane	0.134	0.132	1.5	97	0.00	9.46
56	C	1,2-Dichloropropane	0.196	0.200	-2.0	97	0.00	9.55
57		Bromodichloromethane	0.249	0.254	-2.0	96	0.00	9.60
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	38.997	2.5	84	0.00	9.73
59		1,4-Dioxane	800.000	919.947	-15.0	108	0.00	9.80
60		2-Chloroethyl vinyl ether	200.000	199.335	0.3	96	0.00	10.15
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.279	0.290	-3.9	95	0.00	10.24
62	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00	11.99
63	S	Toluene-d8	1.254	1.193	4.9	92	0.00	10.43
64	C	Toluene	1.078	1.013	6.0	96	0.00	10.48
65		2-Nitropropane	0.064	0.063	1.6	95	0.00	10.71
66		4-Methyl-2-pentanone	0.255	0.239	6.3	100	0.00	10.83
67		trans-1,3-Dichloropropene	0.310	0.312	-0.6	97	0.00	10.88
68		Tetrachloroethene	0.321	0.314	2.2	100	0.00	10.88
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	37.251	6.9	85	0.00	10.99
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.195	0.186	4.6	99	0.00	11.05
71		Dibromochloromethane	0.269	0.262	2.6	95	0.00	11.24
72		1,3-Dichloropropane	0.403	0.370	8.2	96	0.00	11.33
73		1,2-Dibromoethane	0.250	0.237	5.2	96	0.00	11.51
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	2027.024	-1.4	108	0.00	11.60
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.172	0.167	2.9	101	0.00	11.65
76		1-Chlorohexane	0.295	0.311	-5.4	103	0.00	11.94
77	C	Ethylbenzene	1.237	1.181	4.5	97	0.00	12.01
78	P	Chlorobenzene	0.736	0.695	5.6	98	0.00	12.01
79		1,1,1,2-Tetrachloroethane	0.255	0.253	0.8	98	0.00	12.06
80		m,p-Xylene	0.933	0.908	2.7	97	0.00	12.15
81		o-Xylene	0.902	0.868	3.8	96	0.00	12.58
82		Styrene	0.632	0.646	-2.2	96	0.00	12.64
83	P	Bromoform	0.161	0.159	1.2	94	0.00	12.70
84		Isopropylbenzene	1.097	1.086	1.0	97	0.00	12.89
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	14.35
86	S	4-Bromofluorobenzene	0.801	0.787	1.7	98	0.00	13.21
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	36.432	8.9	85	0.00	13.25
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	2.481	2.361	4.8	98	0.00	13.31
89		Bromobenzene	0.631	0.585	7.3	99	0.00	13.33
90	P	1,1,2,2-Tetrachloroethane	0.621	0.575	7.4	98	0.00	13.38
91		1,3,5-Trimethylbenzene	1.771	1.724	2.7	98	0.00	13.49
92		2-Chlorotoluene	1.535	1.440	6.2	96	0.00	13.67

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2808-CC2796
Lab FileID: O70797.D

93	trans-1,4-Dichloro-2-Bute	0.159	0.155	2.5	94	0.00	13.57
94	1,2,3-Trichloropropane	0.198	0.184	7.1	96	0.00	13.54
		Amount	Calc.	%Drift			
95	Cyclohexanone	200.000	205.725	-2.9	101	0.00	13.61
		AvgRF	CCRF	%Dev			
96	4-Chlorotoluene	1.535	1.440	6.2	96	0.00	13.67
97	tert-Butylbenzene	0.951	0.911	4.2	98	0.00	13.83
98	a-Methyl styrene		----------NA----------				
99	1,2,4-Trimethylbenzene	1.716	1.654	3.6	98	0.00	13.90
		Amount	Calc.	%Drift			
100	Pentachloroethane	40.000	36.574	8.6	84	0.00	13.89
		AvgRF	CCRF	%Dev			
101	sec-Butylbenzene	1.896	1.852	2.3	98	0.00	14.02
102	4-Isopropyltoluene	1.662	1.663	-0.1	98	0.00	14.15
103	1,3-Dichlorobenzene	1.098	1.022	6.9	99	0.00	14.29
104	1,2,3-Trimethylbenzene	1.819	1.706	6.2	99	0.00	14.36
		Amount	Calc.	%Drift			
105	1,4-Dichlorobenzene	40.000	38.516	3.7	97	0.00	14.36
		AvgRF	CCRF	%Dev			
106	n-Butylbenzene	0.825	0.815	1.2	97	0.00	14.58
		Amount	Calc.	%Drift			
107	Benzyl Chloride	40.000	36.688	8.3	89	0.00	14.60
		AvgRF	CCRF	%Dev			
108	1,2-Dichlorobenzene	1.045	0.979	6.3	99	0.00	14.79
109	1,2-Dibromo-3-Chloropropa	0.098	0.087	11.2	92	0.00	15.53
		Amount	Calc.	%Drift			
110	Hexachlorobutadiene	40.000	39.681	0.8	96	0.00	16.07
		AvgRF	CCRF	%Dev			
111	1,2,4-Trichlorobenzene	0.630	0.585	7.1	96	0.00	16.12
		Amount	Calc.	%Drift			
112	Naphthalene	40.000	36.968	7.6	93	0.00	16.41
		AvgRF	CCRF	%Dev			
113	1,2,3-Trichlorobenzene	0.621	0.571	8.1	97	0.00	16.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O70546.D VO_08-23-2022.M Thu Sep 01 11:49:17 2022

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2808-ECC2796
Lab FileID: O70823.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\jo...-2022\vo2808\O70823.d Vial: 28
Acq On : 1 Sep 2022 10:18 pm Operator: joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52309,VO2808,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 09:37:25 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	84	0.00	8.84
			True	Calc.	% Drift			
2		Dichlorodifluoromethane	40.000	52.324	-30.8	113	0.00	2.85
3	P	Chloromethane	40.000	44.111	-10.3	95	0.00	3.20
4		1,3-butadiene	40.000	36.662	8.3	74	0.00	3.38
5	C	Vinyl Chloride	40.000	44.982	-12.5	96	0.00	3.35
6		Bromomethane	40.000	34.897	12.8	75	0.00	3.90
7		Chloroethane	40.000	48.222	-20.6	96	0.00	4.10
			AvgRF	CCRF	% Dev			
8		Trichlorofluoromethane	0.355	0.357	-0.6	93	0.00	4.33
9		Ethyl Ether	0.158	0.157	0.6	89	0.00	4.80
			True	Calc.	% Drift			
10		Ethanol	800.000	852.638	-6.6	87	0.00	5.01
			AvgRF	CCRF	% Dev			
11		1,2-Dichlorotrifluoroetha	0.204	0.208	-2.0	91	0.00	5.08
12	C	1,1-Dichloroethene	0.286	0.291	-1.7	88	0.00	5.09
			True	Calc.	% Drift			
13		Freon 113	40.000	44.890	-12.2	93	0.00	5.14
14		Carbon Disulfide	40.000	40.318	-0.8	84	0.00	5.13
15		Iodomethane	40.000	33.749	15.6	63	0.00	5.29
			AvgRF	CCRF	% Dev			
16		Acrolein	0.039	0.035	10.3	84	0.00	5.54
			True	Calc.	% Drift			
17		Allyl chloride	40.000	34.374	14.1	69	0.00	5.73
18		Methylene Chloride	40.000	44.413	-11.0	98	0.00	5.87
19		Acetone	200.000	198.653	0.7	90	0.00	5.93
			AvgRF	CCRF	% Dev			
20		Methyl acetate	0.149	0.157	-5.4	94	0.00	6.08
21		trans-1,2-Dichloroethene	0.285	0.286	-0.4	88	0.00	6.07
			True	Calc.	% Drift			
22		Hexane	40.000	42.722	-6.8	88	0.00	6.17
			AvgRF	CCRF	% Dev			

Continuing Calibration Summary

Job Number: FA98431 **Sample:** VO2808-ECC2796
Account: BHATALB Bhate Environmental **Lab FileID:** O70823.D
Project: Griffiss AFB; Rome, NY

23		Methyl Tert Butyl Ether	0.497	0.503	-1.2	90	0.00	6.20
24		Tert Butyl Alcohol	0.018	0.017	5.6	89	0.00	6.30
			True	Calc.	% Drift			
25		Acetonitrile	400.000	387.513	3.1	80	0.00	6.51
			AvgRF	CCRF	% Dev			
26		Di-isopropyl ether	0.584	0.600	-2.7	91	0.00	6.65
			True	Calc.	% Drift			
27		Chloroprene	40.000	35.838	10.4	71	0.00	6.81
			AvgRF	CCRF	% Dev			
28	P	1,1-Dichloroethane	0.352	0.357	-1.4	89	0.00	6.84
29		Acrylonitrile	0.063	0.065	-3.2	81	0.00	6.89
30		ETBE	0.566	0.582	-2.8	90	0.00	7.09
31		Vinyl acetate	0.388	0.398	-2.6	77	0.00	7.11
			True	Calc.	% Drift			
32		cis-1,2-Dichloroethene	40.000	41.069	-2.7	88	0.00	7.47
			AvgRF	CCRF	% Dev			
33		2,2-Dichloropropane	0.276	0.228	17.4	70	0.00	7.59
			True	Calc.	% Drift			
34		Bromochloromethane	40.000	42.059	-5.1	91	0.00	7.70
			AvgRF	CCRF	% Dev			
35		Cyclohexane	0.308	0.331	-7.5	93	0.00	7.71
36	C	Chloroform	0.373	0.371	0.5	90	0.00	7.76
37		Ethyl acetate	0.190	0.193	-1.6	81	0.00	7.87
			True	Calc.	% Drift			
38		Tetrahydrofuran	40.000	39.732	0.7	90	0.00	7.96
			AvgRF	CCRF	% Dev			
39	S	Dibromofluoromethane	0.282	0.283	-0.4	84	0.00	7.96
40		Carbon Tetrachloride	0.287	0.289	-0.7	85	0.00	7.93
41		1,1,1-Trichloroethane	0.330	0.337	-2.1	88	0.00	8.01
42		2-Butanone	0.095	0.089	6.3	89	0.00	8.10
43		1,1-Dichloropropene	0.272	0.271	0.4	86	0.00	8.14
44		tert-Butyl formate	0.131	0.127	3.1	88	0.00	8.24
			True	Calc.	% Drift			
45		Propionitrile	400.000	375.187	6.2	77	0.00	8.42
46		Methacrylonitrile	400.000	398.110	0.5	82	0.00	8.45
			AvgRF	CCRF	% Dev			
47		Benzene	0.788	0.785	0.4	89	0.00	8.41
			True	Calc.	% Drift			
48		TAME	40.000	41.480	-3.7	90	0.00	8.49
49		Isobutyl alcohol	800.000	789.993	1.3	82	0.00	8.57
			AvgRF	CCRF	% Dev			
50	S	1,2-Dichloroethane-d4	0.290	0.285	1.7	84	0.00	8.55
51		1,2-Dichloroethane	0.305	0.305	0.0	92	0.00	8.62
52		Tert Amyl Alcohol	0.012	0.012	0.0	89	0.00	8.68
			True	Calc.	% Drift			

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2808-ECC2796
Lab FileID: O70823.D

53		Trichloroethene	40.000	41.829	-4.6	89	0.00	9.02
54		Methylcyclohexane	40.000	43.528	-8.8	91	0.00	9.01
			AvgRF	CCRF	% Dev			
55		Dibromomethane	0.134	0.132	1.5	90	0.00	9.46
56	C	1,2-Dichloropropane	0.196	0.201	-2.6	90	0.00	9.55
57		Bromodichloromethane	0.249	0.250	-0.4	87	0.00	9.60
			True	Calc.	% Drift			
58		Methyl methacrylate	40.000	38.602	3.5	77	0.00	9.73
59		1,4-Dioxane	800.000	831.035	-3.9	91	0.00	9.80
60		2-Chloroethyl vinyl ether	200.000	201.054	-0.5	90	0.00	10.15
			AvgRF	CCRF	% Dev			
61		cis-1,3-Dichloropropene	0.279	0.279	0.0	85	0.00	10.24
62	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00	11.99
63	S	Toluene-d8	1.254	1.199	4.4	86	0.00	10.43
64	C	Toluene	1.078	1.001	7.1	88	0.00	10.48
65		2-Nitropropane	0.064	0.058	9.4	82	0.00	10.71
66		4-Methyl-2-pentanone	0.255	0.237	7.1	92	0.00	10.83
67		trans-1,3-Dichloropropene	0.310	0.302	2.6	87	0.00	10.88
68		Tetrachloroethene	0.321	0.327	-1.9	96	0.00	10.88
			True	Calc.	% Drift			
69		Ethyl methacrylate	40.000	37.326	6.7	79	0.00	10.99
			AvgRF	CCRF	% Dev			
70		1,1,2-Trichloroethane	0.195	0.186	4.6	92	0.00	11.05
71		Dibromochloromethane	0.269	0.262	2.6	88	0.00	11.24
72		1,3-Dichloropropane	0.403	0.377	6.5	91	0.00	11.33
73		1,2-Dibromoethane	0.250	0.240	4.0	91	0.00	11.51
			True	Calc.	% Drift			
74		3,3-dimethyl-1-butanol	2000.000	1903.122	4.8	93	0.00	11.60
			AvgRF	CCRF	% Dev			
75		2-hexanone	0.172	0.163	5.2	92	0.00	11.65
76		1-Chlorohexane	0.295	0.294	0.3	90	0.00	11.94
77	C	Ethylbenzene	1.237	1.161	6.1	89	0.00	12.01
78	P	Chlorobenzene	0.736	0.701	4.8	92	0.00	12.01
79		1,1,1,2-Tetrachloroethane	0.255	0.248	2.7	89	0.00	12.06
80		m,p-Xylene	0.933	0.889	4.7	88	0.00	12.15
81		o-Xylene	0.902	0.850	5.8	87	0.00	12.59
82		Styrene	0.632	0.643	-1.7	89	0.00	12.64
83	P	Bromoform	0.161	0.153	5.0	84	0.00	12.70
84		Isopropylbenzene	1.097	1.057	3.6	88	0.00	12.89
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00	14.35
86	S	4-Bromofluorobenzene	0.801	0.785	2.0	89	0.00	13.21
			True	Calc.	% Drift			
87		cis-1,4-Dichloro-2-butene	40.000	31.757	20.6	67	0.00	13.25
			AvgRF	CCRF	% Dev			
88		n-Propylbenzene	2.481	2.310	6.9	88	0.00	13.31
89		Bromobenzene	0.631	0.592	6.2	92	0.00	13.33
90	P	1,1,2,2-Tetrachloroethane	0.621	0.581	6.4	91	0.00	13.38
91		1,3,5-Trimethylbenzene	1.771	1.697	4.2	88	0.00	13.49
92		2-Chlorotoluene	1.535	1.427	7.0	88	0.00	13.67

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2808-ECC2796
Lab FileID: O70823.D

93	trans-1,4-Dichloro-2-Bute	0.159	0.130	18.2	73	0.00	13.57
94	1,2,3-Trichloropropane	0.198	0.189	4.5	91	0.00	13.54
		True	Calc.	% Drift			
95	Cyclohexanone	200.000	181.788	9.1	82	0.00	13.62
		AvgRF	CCRF	% Dev			
96	4-Chlorotoluene	1.535	1.427	7.0	88	0.00	13.67
97	tert-Butylbenzene	0.951	0.880	7.5	87	0.00	13.83
98	a-Methyl styrene		----------NA----------				
99	1,2,4-Trimethylbenzene	1.716	1.643	4.3	89	0.00	13.90
		True	Calc.	% Drift			
100	Pentachloroethane	40.000	32.341	19.1	68	0.00	13.89
		AvgRF	CCRF	% Dev			
101	sec-Butylbenzene	1.896	1.785	5.9	87	0.00	14.02
102	4-Isopropyltoluene	1.662	1.589	4.4	86	0.00	14.15
103	1,3-Dichlorobenzene	1.098	1.010	8.0	90	0.00	14.29
104	1,2,3-Trimethylbenzene	1.819	1.700	6.5	90	0.00	14.36
		True	Calc.	% Drift			
105	1,4-Dichlorobenzene	40.000	38.647	3.4	89	0.00	14.37
		AvgRF	CCRF	% Dev			
106	n-Butylbenzene	0.825	0.746	9.6	81	0.00	14.58
		True	Calc.	% Drift			
107	Benzyl Chloride	40.000	26.987	32.5	57	0.00	14.60
		AvgRF	CCRF	% Dev			
108	1,2-Dichlorobenzene	1.045	0.985	5.7	91	0.00	14.79
109	1,2-Dibromo-3-Chloropropa	0.098	0.084	14.3	81	0.00	15.53
		True	Calc.	% Drift			
110	Hexachlorobutadiene	40.000	36.338	9.2	80	0.00	16.07
		AvgRF	CCRF	% Dev			
111	1,2,4-Trichlorobenzene	0.630	0.567	10.0	85	0.00	16.12
		True	Calc.	% Drift			
112	Naphthalene	40.000	37.019	7.5	86	0.00	16.41
		AvgRF	CCRF	% Dev			
113	1,2,3-Trichlorobenzene	0.621	0.568	8.5	88	0.00	16.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O70546.D VO_08-23-2022.M Fri Sep 02 01:51:19 2022

Initial Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICC2666
Lab FileID: Y64315.D

Response Factor Report MSVOA14-Y

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

Calibration Files
1 =Y64311.D 2 =Y64312.D 3 =Y64313.D 4 =Y64314.D
5 =Y64315.D 6 =Y64316.D 7 =Y64317.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------	----------		
2)	Dichlorodifluorom	0.282	0.298	0.296	0.281	0.279	0.294	0.302	0.290	3.25
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9997									
	Response Ratio = 0.00000 + 0.27760 *A + 0.01180 *A^2									
3)	Acrolein	0.038	0.062	0.058	0.066	0.077	0.079	0.082	0.066	22.90
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9985									
	Response Ratio = 0.00000 + 0.06418 *A + 0.00187 *A^2									
4)P	Chloromethane	0.333	0.328	0.334	0.298	0.284	0.303	0.300	0.311	6.45
5)	1,3-butadiene	0.242	0.284	0.278	0.300	0.307	0.288	0.289	0.284	7.30
6)C	Vinyl Chloride	0.390	0.341	0.364	0.323	0.314	0.351	0.354	0.348	7.33
7)	Bromomethane		0.050	0.059	0.061	0.077	0.080	0.092	0.070	22.27
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9982									
	Response Ratio = 0.00000 + 0.05652 *A + 0.01764 *A^2									
8)	Chloroethane	0.224	0.221	0.232	0.154	0.119	0.122	0.114	0.169	32.06
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9900									
	Response Ratio = 0.00000 + 0.11905 *A									
9)	Trichlorofluorome	0.353	0.376	0.379	0.357	0.363	0.448	0.294	0.367	12.38
10)	Ethyl Ether	0.215	0.260	0.225	0.213	0.220	0.228	0.233	0.228	6.95
11)	Ethanol		0.003	0.004	0.006	0.007	0.008	0.009	0.006	37.19
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9958									
	Response Ratio = 0.00000 + 0.00487 *A + 0.00011 *A^2									
12)	1,2-Dichlorotrifl	0.247	0.280	0.244	0.240	0.243	0.251	0.257	0.252	5.48
13)C	1,1-Dichloroethen	0.330	0.351	0.329	0.330	0.332	0.353	0.360	0.341	3.97
14)	Freon 113	0.225	0.257	0.225	0.227	0.233	0.250	0.242	0.237	5.43
15)	Carbon Disulfide	0.627	0.642	0.611	0.616	0.651	0.687	0.703	0.648	5.41
16)	Iodomethane		0.024	0.033	0.042	0.061	0.073	0.071	0.050	40.63
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9909									
	Response Ratio = 0.00000 + 0.05187 *A + 0.01029 *A^2									
17)	Allyl chloride	0.209	0.285	0.286	0.318	0.349	0.330	0.343	0.303	15.97
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987									
	Response Ratio = 0.00000 + 0.31033 *A + 0.01699 *A^2									
18)	Methylene Chlorid	2.254	0.748	0.488	0.432	0.400	0.384	0.373	0.725	94.60
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9988									
	Response Ratio = 0.00000 + 0.40584 *A									
19)	Acetone		0.210	0.135	0.149	0.143	0.135	0.158	0.157	0.155	16.64
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9982									
	Response Ratio = 0.00000 + 0.13772 *A + 0.00208 *A^2									

Initial Calibration Summary

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Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICC2666
Lab FileID: Y64315.D

20)	Methyl acetate	0.257	0.334	0.320	0.317	0.328	0.359	0.362	0.325	10.71
21)	trans-1,2-Dichlor	0.311	0.354	0.357	0.328	0.334	0.349	0.346	0.340	4.84
22)	Hexane	0.129	0.189	0.176	0.190	0.200	0.199	0.200	0.183	13.82
23)	Methyl Tert Butyl	0.868	0.809	0.754	0.730	0.758	0.782	0.779	0.783	5.75
24)	Tert Butyl Alcoho	0.065	0.077	0.075	0.079	0.083	0.098	0.101	0.083	15.43

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992
Response Ratio = 0.00000 + 0.07343 *A + 0.00147 *A^2

25)	Acetonitrile	0.037	0.058	0.058	0.062	0.068	0.072	0.073	0.061	20.37

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993
Response Ratio = 0.00000 + 0.06006 *A + 0.00070 *A^2

26)	Di-isopropyl ethe	0.817	0.872	0.809	0.796	0.817	0.854	0.856	0.832	3.44
27)	Chloroprene		0.058	0.051	0.063	0.068	0.066	0.071	0.063	11.38

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9980
Response Ratio = 0.00000 + 0.05941 *A + 0.00558 *A^2

28)P	1,1-Dichloroethan	0.419	0.481	0.432	0.438	0.426	0.451	0.450	0.442	4.63
29)	Acrylonitrile	0.046	0.180	0.160	0.190	0.164	0.190	0.190	0.160	32.30

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9970
Response Ratio = 0.00000 + 0.16656 *A + 0.00251 *A^2

30)	ETBE	0.824	0.896	0.799	0.788	0.786	0.849	0.860	0.829	4.98
31)	Vinyl acetate	0.284	0.670	0.611	0.700	0.653	0.740	0.759	0.631	25.52

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987
Response Ratio = 0.00000 + 0.62521 *A + 0.01400 *A^2

32)	cis-1,2-Dichloroe	0.289	0.303	0.276	0.268	0.272	0.283	0.281	0.282	4.24
33)	2,2-Dichloropropa	0.323	0.395	0.359	0.359	0.370	0.382	0.379	0.367	6.37
34)	Bromochloromethan	0.147	0.143	0.128	0.127	0.125	0.126	0.125	0.132	7.08
35)	Cyclohexane	0.429	0.523	0.458	0.485	0.500	0.503	0.514	0.487	6.81
36)C	Chloroform	0.427	0.459	0.451	0.436	0.433	0.452	0.430	0.441	2.85
37)	Ethyl acetate	0.355	0.567	0.466	0.530	0.466	0.535	0.511	0.490	14.32

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9970
Response Ratio = 0.00000 + 0.49606 *A + 0.00222 *A^2

38)	Tetrahydrofuran	0.257	0.220	0.178	0.189	0.183	0.195	0.195	0.202	13.67
39)S	Dibromofluorometh	0.214	0.222	0.224	0.226	0.227	0.230	0.226	0.224	2.24
40)	Carbon Tetrachlor	0.239	0.329	0.285	0.296	0.301	0.311	0.312	0.296	9.65
41)	1,1,1-Trichloroet	0.358	0.429	0.386	0.371	0.375	0.393	0.389	0.386	5.86
42)	2-Butanone	0.314	0.240	0.260	0.253	0.239	0.281	0.284	0.267	10.16
43)	1,1-Dichloroprope	0.300	0.395	0.340	0.351	0.349	0.367	0.360	0.352	8.15
44)	tert-Butyl format	0.210	0.215	0.182	0.217	0.249	0.246	0.263	0.226	12.37
45)	Propionitrile	0.056	0.075	0.078	0.081	0.086	0.091	0.097	0.080	16.55

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9999
Response Ratio = 0.00000 + 0.07593 *A + 0.00105 *A^2

46)	Methacrylonitrile	0.196	0.258	0.250	0.262	0.283	0.303	0.334	0.269	16.14

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998
Response Ratio = 0.00000 + 0.24180 *A + 0.00457 *A^2

47)	Benzene	1.097	1.239	1.160	1.115	1.098	1.154	1.144	1.144	4.29
48)	TAME	0.858	0.878	0.790	0.765	0.766	0.805	0.807	0.810	5.35
49)S	1,2-Dichloroethan	0.269	0.280	0.284	0.270	0.269	0.270	0.273	0.274	2.18
50)	Isobutyl Alcohol	0.010	0.017	0.018	0.021	0.025	0.028	0.030	0.021	32.08

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9991
Response Ratio = 0.00000 + 0.01881 *A + 0.00030 *A^2

51)	1,2-Dichloroethan	0.350	0.401	0.362	0.344	0.340	0.361	0.368	0.361	5.65
52)	Tert Amyl Alcohol	0.049	0.069	0.064	0.067	0.071	0.086	0.091	0.071	19.61

Initial Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICC2666
Lab FileID: Y64315.D

```
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
              Response Ratio = 0.00000 + 0.06088 *A + 0.00155 *A^2

53)  Trichloroethene   0.250 0.299 0.286 0.273 0.272 0.281 0.279 0.277   5.48
54)  Methylcyclohexane 0.381 0.525 0.469 0.482 0.500 0.510 0.521 0.484  10.31
55)  Dibromomethane    0.144 0.170 0.163 0.151 0.153 0.156 0.157 0.156   5.40
56)C 1,2-Dichloropropa 0.258 0.307 0.272 0.267 0.267 0.275 0.274 0.274   5.64
57)  Bromodichlorometh 0.237 0.318 0.283 0.284 0.298 0.312 0.316 0.293   9.72
58)  Methyl methacryla 0.095 0.237 0.267 0.304 0.344 0.351 0.363 0.280  33.55
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9985
              Response Ratio = 0.00000 + 0.28606 *A + 0.04165 *A^2

59)  1,4-Dioxane             0.005 0.005 0.006 0.006 0.007 0.007 0.006  15.87
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
              Response Ratio = 0.00000 + 0.00541 *A + 0.00005 *A^2

60)  2-Chloroethyl vin 0.053 0.072 0.063 0.076 0.085 0.083 0.084 0.074  16.12
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9982
              Response Ratio = 0.00000 + 0.07427 *A + 0.00109 *A^2

61)  cis-1,3-Dichlorop 0.252 0.395 0.367 0.386 0.394 0.422 0.423 0.377  15.55
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 0.37437 *A + 0.02660 *A^2


62) I   Chlorobenzene-d5      ----------------ISTD--------------------
63)S Toluene-d8        1.231 1.255 1.240 1.234 1.249 1.238 1.210 1.237   1.16
64)C Toluene           1.567 1.696 1.492 1.471 1.474 1.511 1.489 1.529   5.28
65)  2-Nitropropane    0.126 0.153 0.135 0.146 0.155 0.171 0.176 0.152  11.84
66)  4-Methyl-2-pentan 0.859 0.593 0.630 0.612 0.584 0.693 0.727 0.671  14.60
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
              Response Ratio = 0.00000 + 0.56816 *A + 0.01585 *A^2

67)  trans-1,3-Dichlor 0.247 0.435 0.409 0.403 0.428 0.440 0.444 0.401  17.40
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
              Response Ratio = 0.00000 + 0.40538 *A + 0.02070 *A^2

68)  Tetrachloroethene 0.335 0.410 0.368 0.365 0.371 0.369 0.370 0.369   5.90
69)  Ethyl methacrylat 0.198 0.429 0.426 0.497 0.559 0.547 0.567 0.460  28.13
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
              Response Ratio = 0.00000 + 0.47533 *A + 0.04941 *A^2

70)  1,1,2-Trichloroet 0.279 0.295 0.263 0.255 0.260 0.256 0.252 0.266   5.92
71)  Dibromochlorometh 0.247 0.295 0.268 0.283 0.293 0.307 0.304 0.285   7.58
72)  1,3-Dichloropropa 0.618 0.654 0.567 0.550 0.558 0.561 0.553 0.580   6.87
73)  1,2-Dibromoethane 0.329 0.369 0.320 0.309 0.325 0.326 0.320 0.328   5.83
74)  3,3-dimethyl-1-bu 0.078 0.107 0.095 0.116 0.147 0.167 0.163 0.125  27.59
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9944
              Response Ratio = 0.00000 + 0.11410 *A + 0.00056 *A^2

75)  2-hexanone        0.590 0.466 0.501 0.479 0.473 0.844       0.559  26.27
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9928
              Response Ratio = 0.00000 + 0.17588 *A + 0.09390 *A^2

76)  1-Chlorohexane    0.343 0.482 0.444 0.461 0.491 0.503 0.496 0.460  12.03
77)C Ethylbenzene      1.547 1.804 1.652 1.632 1.651 1.738 1.766 1.684   5.29
78)P Chlorobenzene     0.943 1.017 0.924 0.895 0.921 0.934 0.937 0.939   4.01
79)  1,1,1,2-Tetrachlo 0.271 0.306 0.292 0.297 0.299 0.310 0.311 0.298   4.63
80)  m,p-Xylene        1.152 1.335 1.258 1.263 1.292 1.378 1.432 1.301   7.00
81)  o-Xylene          1.085 1.308 1.239 1.228 1.254 1.317 1.310 1.249   6.47
```

Initial Calibration Summary

Job Number: FA98431 **Sample:** VY2666-ICC2666
Account: BHATALB Bhate Environmental **Lab FileID:** Y64315.D
Project: Griffiss AFB; Rome, NY

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 82)  Styrene           0.666 0.898 0.863 0.922 0.965 1.014 1.045 0.911  13.77
 83)P Bromoform         0.143 0.175 0.173 0.178 0.202 0.227 0.233 0.190  16.90
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9990
               Response Ratio = 0.00000 + 0.17243 *A + 0.03237 *A^2

 84)  Isopropylbenzene  1.370 1.685 1.554 1.564 1.606 1.672 1.669 1.589   6.94

 85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
 86)S 4-Bromofluorobenz 0.767 0.746 0.759 0.759 0.759 0.773 0.751 0.759   1.20
 87)  cis-1,4-Dichloro- 0.224 0.269 0.263 0.286 0.324 0.337 0.327 0.290  14.29
 88)  n-Propylbenzene   3.461 3.842 3.618 3.698 3.570 3.787 3.712 3.670   3.56
 89)  Bromobenzene      0.809 0.783 0.722 0.701 0.711 0.709 0.688 0.732   6.22
 90)P 1,1,2,2-Tetrachlo 1.109 1.116 1.024 0.972 0.939 0.998 0.987 1.021   6.64
 91)  1,3,5-Trimethylbe 2.249 2.572 2.555 2.551 2.435 2.615 2.574 2.507   5.05
 92)  2-Chlorotoluene   2.463 2.526 2.376 2.339 2.284 2.394 2.299 2.383   3.68
 93)  trans-1,4-Dichlor 0.224 0.273 0.251 0.266 0.273 0.296 0.302 0.269   9.83
 94)  1,2,3-Trichloropr 0.477 0.417 0.355 0.330 0.322 0.337 0.328 0.367  16.00
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
               Response Ratio = 0.00000 + 0.34734 *A + -0.01040 *A^2

 95)  Cyclohexanone     0.055 0.066 0.058 0.069 0.068 0.076 0.071 0.066  11.35
 96)  4-Chlorotoluene   2.136 2.250 2.145 2.065 2.001 2.144 2.108 2.121   3.64
 97)  tert-Butylbenzene 1.347 1.453 1.379 1.336 1.347 1.414 1.394 1.381   3.07
 98)  1,2,4-Trimethylbe 2.356 2.547 2.390 2.457 2.382 2.527 2.568 2.461   3.55
 99)  Pentachloroethane 0.250 0.341 0.353 0.369 0.409 0.396 0.399 0.360  15.16
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9990
               Response Ratio = 0.00000 + 0.37115 *A + 0.01601 *A^2

100)  sec-Butylbenzene  2.478 3.179 3.009 3.006 2.989 3.160 3.157 2.997   8.12
101)  4-Isopropyltoluen 2.140 2.541 2.522 2.523 2.480 2.720 2.698 2.518   7.57
102)  1,3-Dichlorobenze 1.414 1.386 1.304 1.281 1.241 1.308 1.286 1.317   4.65
103)  1,2,3-Trimethylbe 2.397 2.715 2.453 2.412 2.376 2.531 2.535 2.488   4.74
104)  1,4-Dichlorobenze 1.631 1.471 1.363 1.327 1.302 1.355 1.326 1.396   8.37
105)  n-Butylbenzene    1.214 1.160 1.150 1.257 1.228 1.359 1.375 1.249   7.12
106)  Benzyl Chloride   0.218 0.344 0.350 0.416 0.430 0.471 0.470 0.386  23.29
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
               Response Ratio = 0.00000 + 0.38344 *A + 0.04868 *A^2

107)  1,2-Dichlorobenze 1.294 1.416 1.268 1.256 1.219 1.286 1.277 1.288   4.78
108)  1,2-Dibromo-3-Chl 0.244 0.218 0.217 0.220 0.238 0.260 0.266 0.238   8.45
109)  Hexachlorobutadie 0.176 0.235 0.222 0.235 0.247 0.285 0.292 0.242  16.19
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9992
               Response Ratio = 0.00000 + 0.22118 *A + 0.03758 *A^2

110)  1,2,4-Trichlorobe 0.878 0.881 0.768 0.800 0.808 0.873 0.885 0.842   5.74
111)  Naphthalene       3.714 3.816 3.534 3.488 3.488 3.709 3.638 3.627   3.51
112)  1,2,3-Trichlorobe 0.942 0.853 0.798 0.802 0.793 0.864 0.856 0.844   6.23
 ----------------------------------------------------------------------------
 (#) = Out of Range

          APPIX_08-29-2022_Y.M        Tue Aug 30 15:21:44 2022
```

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64323.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-08-30\Y64323.D Vial: 3
Acq On : 30 Aug 2022 11:36 am Operator: joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 10:25:42 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	109	0.00	9.50
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane	40.000	33.932	15.2	95	0.00	2.85
3		Acrolein	200.000	195.125	2.4	99	0.00	5.59
			AvgRF	CCRF	%Dev			
4	P	Chloromethane	0.311	0.300	3.5	115	0.00	3.18
5		1,3-butadiene	0.284	0.244	14.1	87	0.00	3.34
6	C	Vinyl Chloride	0.348	0.325	6.6	113	0.00	3.31
			Amount	Calc.	%Drift			
7		Bromomethane	40.000	46.771	-16.9	121	0.00	3.83
8		Chloroethane	40.000	37.444	6.4	102	0.00	4.03
			AvgRF	CCRF	%Dev			
9		Trichlorofluoromethane	0.367	0.427	-16.3	128	0.00	4.23
10		Ethyl Ether	0.228	0.225	1.3	111	0.01	4.76
			Amount	Calc.	%Drift			
11		Ethanol	800.000	893.734	-11.7	115	0.04	5.04
			AvgRF	CCRF	%Dev			
12		1,2-Dichlorotrifluoroetha	0.252	0.266	-5.6	119	0.00	5.04
13	C	1,1-Dichloroethene	0.341	0.348	-2.1	114	0.00	5.04
14		Freon 113	0.237	0.213	10.1	100	0.00	5.10
15		Carbon Disulfide	0.648	0.558	13.9	93	0.00	5.09
			Amount	Calc.	%Drift			
16		Iodomethane	40.000	36.264	9.3	96	0.00	5.28
17		Allyl chloride	40.000	42.324	-5.8	107	0.00	5.79
18		Methylene Chloride	40.000	34.174	14.6	94	0.00	5.96
19		Acetone	200.000	224.350	-12.2	133	0.00	6.05
			AvgRF	CCRF	%Dev			
20		Methyl acetate	0.325	0.373	-14.8	124	0.00	6.23
21		trans-1,2-Dichloroethene	0.340	0.336	1.2	110	0.00	6.22
22		Hexane	0.183	0.189	-3.3	103	0.00	6.33
23		Methyl Tert Butyl Ether	0.783	0.933	-19.2	134	0.00	6.38
			Amount	Calc.	%Drift			
24		Tert Butyl Alcohol	400.000	447.491	-11.9	126	0.01	6.55

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64323.D

25		Acetonitrile	400.000	386.608	3.3	101	0.00	6.79
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.832	0.826	0.7	110	0.00	6.98
			Amount	Calc.	%Drift			
27		Chloroprene	40.000	159.040	-297.6#	492	0.00	7.17
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane	0.442	0.451	-2.0	115	0.00	7.22
			Amount	Calc.	%Drift			
29		Acrylonitrile	200.000	196.102	1.9	115	0.00	7.30
			AvgRF	CCRF	%Dev			
30		ETBE	0.829	0.798	3.7	111	0.00	7.58
			Amount	Calc.	%Drift			
31		Vinyl acetate	200.000	198.533	0.7	113	0.00	7.60
			AvgRF	CCRF	%Dev			
32		cis-1,2-Dichloroethene	0.282	0.280	0.7	112	0.00	8.02
33		2,2-Dichloropropane	0.367	0.352	4.1	103	0.00	8.16
34		Bromochloromethane	0.132	0.123	6.8	107	0.00	8.29
35		Cyclohexane	0.487	0.445	8.6	97	0.00	8.29
36	C	Chloroform	0.441	0.409	7.3	103	0.00	8.38
			Amount	Calc.	%Drift			
37		Ethyl acetate	200.000	195.442	2.3	115	0.00	8.52
			AvgRF	CCRF	%Dev			
38		Tetrahydrofuran	0.202	0.212	-5.0	127	0.00	8.58
39	S	Dibromofluoromethane	0.224	0.231	-3.1	111	0.00	8.60
40		Carbon Tetrachloride	0.296	0.290	2.0	105	0.00	8.55
41		1,1,1-Trichloroethane	0.386	0.377	2.3	110	0.00	8.63
42		2-Butanone	0.267	0.286	-7.1	130	0.00	8.75
43		1,1-Dichloropropene	0.352	0.332	5.7	103	0.00	8.78
44		tert-Butyl formate	0.226	0.219	3.1	96	0.00	8.89
			Amount	Calc.	%Drift			
45		Propionitrile	400.000	383.159	4.2	102	0.00	9.08
46		Methacrylonitrile	400.000	361.623	9.6	96	0.00	9.11
			AvgRF	CCRF	%Dev			
47		Benzene	1.144	1.096	4.2	109	0.00	9.06
48		TAME		----------NA----------				
49	S	1,2-Dichloroethane-d4	0.274	0.270	1.5	109	0.00	9.21
			Amount	Calc.	%Drift			
50		Isobutyl Alcohol	800.000	805.553	-0.7	105	0.00	9.28
			AvgRF	CCRF	%Dev			
51		1,2-Dichloroethane	0.361	0.355	1.7	114	0.00	9.28
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	446.683	-11.7	129	0.00	9.38
			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.277	0.272	1.8	109	0.00	9.67
54		Methylcyclohexane	0.484	0.454	6.2	99	0.00	9.66

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64323.D

55		Dibromomethane	0.156	0.153	1.9	109	0.00	10.09
56	C	1,2-Dichloropropane	0.274	0.254	7.3	104	0.00	10.17
57		Bromodichloromethane	0.293	0.299	-2.0	109	0.00	10.23
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	37.445	6.4	94	0.00	10.34
59		1,4-Dioxane	800.000	1101.924	-37.7#	155	0.00	10.41
60		2-Chloroethyl vinyl ether	200.000	203.984	-2.0	103	0.00	10.71
61		cis-1,3-Dichloropropene	40.000	40.104	-0.3	110	0.00	10.78
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00	12.15
63	S	Toluene-d8	1.237	1.237	0.0	110	0.00	10.93
64	C	Toluene	1.529	1.420	7.1	107	0.00	10.98
65		2-Nitropropane	0.152	0.173	-13.8	124	0.00	11.17
			Amount	Calc.	%Drift			
66		4-Methyl-2-pentanone	200.000	205.228	-2.6	124	0.00	11.27
67		trans-1,3-Dichloropropene	40.000	44.871	-12.2	124	0.00	11.31
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.369	0.353	4.3	106	0.00	11.30
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	35.072	12.3	89	0.00	11.40
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.266	0.260	2.3	111	0.00	11.44
71		Dibromochloromethane	0.285	0.289	-1.4	110	0.00	11.59
72		1,3-Dichloropropane	0.580	0.522	10.0	104	0.00	11.66
73		1,2-Dibromoethane	0.328	0.320	2.4	110	0.00	11.79
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol		----------NA----------				
75		2-hexanone	200.000	199.080	0.5	129	0.00	11.90
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.460	0.450	2.2	102	0.00	12.11
77	C	Ethylbenzene	1.684	1.587	5.8	107	0.00	12.16
78	P	Chlorobenzene	0.939	0.877	6.6	106	0.00	12.17
79		1,1,1,2-Tetrachloroethane	0.298	0.294	1.3	110	0.00	12.20
80		m,p-Xylene	1.301	1.241	4.6	107	0.00	12.26
81		o-Xylene	1.249	1.217	2.6	108	0.00	12.57
82		Styrene	0.911	0.952	-4.5	110	0.00	12.61
			Amount	Calc.	%Drift			
83	P	Bromoform	40.000	44.550	-11.4	123	0.00	12.67
			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.589	1.515	4.7	105	0.00	12.78
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00	13.77
86	S	4-Bromofluorobenzene	0.759	0.777	-2.4	112	0.00	13.01
87		cis-1,4-Dichloro-2-butene	0.290	0.282	2.8	95	0.00	13.03
88		n-Propylbenzene	3.670	3.397	7.4	104	0.00	13.07
89		Bromobenzene	0.732	0.678	7.4	105	0.00	13.10
90	P	1,1,2,2-Tetrachloroethane	1.021	1.015	0.6	119	0.00	13.12
91		1,3,5-Trimethylbenzene	2.507	2.253	10.1	102	0.00	13.18
92		2-Chlorotoluene	2.383	2.155	9.6	104	0.00	13.20

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VY2666-ICV2666
Lab FileID: Y64323.D

93	trans-1,4-Dichloro-2-Bute	0.269	0.244	9.3	98	0.00	13.24
	---------- Amount	Calc.	%Drift	----------			
94	1,2,3-Trichloropropane	40.000	37.503	6.2	109	0.00	13.23
	---------- AvgRF	CCRF	%Dev	----------			
95	Cyclohexanone	----------NA----------					
96	4-Chlorotoluene	2.121	1.961	7.5	108	0.00	13.31
97	tert-Butylbenzene	1.381	1.226	11.2	100	0.00	13.41
98	1,2,4-Trimethylbenzene	2.461	2.276	7.5	105	0.00	13.46
	---------- Amount	Calc.	%Drift	----------			
99	Pentachloroethane	40.000	36.563	8.6	94	0.00	13.46
	---------- AvgRF	CCRF	%Dev	----------			
100	sec-Butylbenzene	2.997	2.731	8.9	100	0.00	13.53
101	4-Isopropyltoluene	2.518	2.371	5.8	105	0.00	13.61
102	1,3-Dichlorobenzene	1.317	1.243	5.6	110	0.00	13.72
103	1,2,3-Trimethylbenzene	2.488	2.425	2.5	112	0.00	13.76
104	1,4-Dichlorobenzene	1.396	1.292	7.4	109	0.00	13.78
105	n-Butylbenzene	1.249	1.030	17.5	92	0.00	13.90
	---------- Amount	Calc.	%Drift	----------			
106	Benzyl Chloride	40.000	32.168	19.6	85	0.00	13.93
	---------- AvgRF	CCRF	%Dev	----------			
107	1,2-Dichlorobenzene	1.288	1.237	4.0	111	0.00	14.07
108	1,2-Dibromo-3-Chloropropa	0.238	0.251	-5.5	116	0.00	14.60
	---------- Amount	Calc.	%Drift	----------			
109	Hexachlorobutadiene	40.000	36.572	8.6	101	0.00	15.00
	---------- AvgRF	CCRF	%Dev	----------			
110	1,2,4-Trichlorobenzene	0.842	0.839	0.4	114	0.00	15.06
111	Naphthalene	3.627	3.776	-4.1	119	0.00	15.31
112	1,2,3-Trichlorobenzene	0.844	0.826	2.1	114	0.00	15.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y64315.D APPIX_08-29-2022_Y.M Tue Aug 30 15:21:24 2022

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64324.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-08-30\Y64324.D Vial: 4
Acq On : 30 Aug 2022 12:01 pm Operator: joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 10:25:42 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	116	0.00	9.50
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane		NA				
3		Acrolein		NA				
			AvgRF	CCRF	%Dev			
4	P	Chloromethane		NA				
5		1,3-butadiene		NA				
6	C	Vinyl Chloride		NA				
			Amount	Calc.	%Drift			
7		Bromomethane		NA				
8		Chloroethane		NA				
			AvgRF	CCRF	%Dev			
9		Trichlorofluoromethane		NA				
10		Ethyl Ether		NA				
			Amount	Calc.	%Drift			
11		Ethanol		NA				
			AvgRF	CCRF	%Dev			
12		1,2-Dichlorotrifluoroetha		NA				
13	C	1,1-Dichloroethene		NA				
14		Freon 113		NA				
15		Carbon Disulfide		NA				
			Amount	Calc.	%Drift			
16		Iodomethane		NA				
17		Allyl chloride		NA				
18		Methylene Chloride		NA				
19		Acetone		NA				
			AvgRF	CCRF	%Dev			
20		Methyl acetate		NA				
21		trans-1,2-Dichloroethene		NA				
22		Hexane		NA				
23		Methyl Tert Butyl Ether		NA				
			Amount	Calc.	%Drift			
24		Tert Butyl Alcohol		NA				

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64324.D

25		Acetonitrile		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
26		Di-isopropyl ether		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
27		Chloroprene		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
28	P	1,1-Dichloroethane		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
29		Acrylonitrile		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
30		ETBE		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
31		Vinyl acetate		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
32		cis-1,2-Dichloroethene		----------NA----------				
33		2,2-Dichloropropane		----------NA----------				
34		Bromochloromethane		----------NA----------				
35		Cyclohexane		----------NA----------				
36	C	Chloroform		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
37		Ethyl acetate		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
38		Tetrahydrofuran		----------NA----------				
39	S	Dibromofluoromethane	0.224	0.227	-1.3	116	0.00	8.60
40		Carbon Tetrachloride		----------NA----------				
41		1,1,1-Trichloroethane		----------NA----------				
42		2-Butanone		----------NA----------				
43		1,1-Dichloropropene		----------NA----------				
44		tert-Butyl formate		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
45		Propionitrile		----------NA----------				
46		Methacrylonitrile		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
47		Benzene		----------NA----------				
48		TAME	0.810	0.955	-17.9	145	0.00	9.17
49	S	1,2-Dichloroethane-d4	0.274	0.274	0.0	118	0.00	9.21
		----------	Amount	Calc.	%Drift	----------		
50		Isobutyl Alcohol		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
51		1,2-Dichloroethane		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
52		Tert Amyl Alcohol		----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------		
53		Trichloroethene		----------NA----------				
54		Methylcyclohexane		----------NA----------				

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64324.D

55		Dibromomethane			----------NA----------				
56	C	1,2-Dichloropropane			----------NA----------				
57		Bromodichloromethane			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
58		Methyl methacrylate			----------NA----------				
59		1,4-Dioxane			----------NA----------				
60		2-Chloroethyl vinyl ether			----------NA----------				
61		cis-1,3-Dichloropropene			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	116	0.00	12.15	
63	S	Toluene-d8	1.237	1.248	-0.9	118	0.00	10.93	
64	C	Toluene			----------NA----------				
65		2-Nitropropane			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
66		4-Methyl-2-pentanone			----------NA----------				
67		trans-1,3-Dichloropropene			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
68		Tetrachloroethene			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
69		Ethyl methacrylate			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
70		1,1,2-Trichloroethane			----------NA----------				
71		Dibromochloromethane			----------NA----------				
72		1,3-Dichloropropane			----------NA----------				
73		1,2-Dibromoethane			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
74		3,3-dimethyl-1-butanol	1250.000	1114.884	10.8	113	0.00	11.87	
75		2-hexanone			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
76		1-Chlorohexane			----------NA----------				
77	C	Ethylbenzene			----------NA----------				
78	P	Chlorobenzene			----------NA----------				
79		1,1,1,2-Tetrachloroethane			----------NA----------				
80		m,p-Xylene			----------NA----------				
81		o-Xylene			----------NA----------				
82		Styrene			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
83	P	Bromoform			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
84		Isopropylbenzene			----------NA----------				
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	0.00	13.77	
86	S	4-Bromofluorobenzene	0.759	0.784	-3.3	122	0.00	13.01	
87		cis-1,4-Dichloro-2-butene			----------NA----------				
88		n-Propylbenzene			----------NA----------				
89		Bromobenzene			----------NA----------				
90	P	1,1,2,2-Tetrachloroethane			----------NA----------				
91		1,3,5-Trimethylbenzene			----------NA----------				
92		2-Chlorotoluene			----------NA----------				

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64324.D

93	trans-1,4-Dichloro-2-Bute		----------NA----------				
	----------	Amount	Calc.	%Drift	----------		
94	1,2,3-Trichloropropane		----------NA----------				
	----------	AvgRF	CCRF	%Dev	----------		
95	Cyclohexanone	0.066	0.070	-6.1	121	0.00	13.29
96	4-Chlorotoluene		----------NA----------				
97	tert-Butylbenzene		----------NA----------				
98	1,2,4-Trimethylbenzene		----------NA----------				
	----------	Amount	Calc.	%Drift	----------		
99	Pentachloroethane		----------NA----------				
	----------	AvgRF	CCRF	%Dev	----------		
100	sec-Butylbenzene		----------NA----------				
101	4-Isopropyltoluene		----------NA----------				
102	1,3-Dichlorobenzene		----------NA----------				
103	1,2,3-Trimethylbenzene		----------NA----------				
104	1,4-Dichlorobenzene		----------NA----------				
105	n-Butylbenzene		----------NA----------				
	----------	Amount	Calc.	%Drift	----------		
106	Benzyl Chloride		----------NA----------				
	----------	AvgRF	CCRF	%Dev	----------		
107	1,2-Dichlorobenzene		----------NA----------				
108	1,2-Dibromo-3-Chloropropa		----------NA----------				
	----------	Amount	Calc.	%Drift	----------		
109	Hexachlorobutadiene		----------NA----------				
	----------	AvgRF	CCRF	%Dev	----------		
110	1,2,4-Trichlorobenzene		----------NA----------				
111	Naphthalene		----------NA----------				
112	1,2,3-Trichlorobenzene		----------NA----------				

(#) = Out of Range SPCC's out = 4 CCC's out = 6
Y64314.D APPIX_08-29-2022_Y.M Tue Aug 30 15:19:26 2022

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2672-CC2666
Lab FileID: Y64454.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\jo...-2022\vy2672\Y64454.D Vial: 2
Acq On : 3 Sep 2022 10:28 am Operator: adelardl
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2672,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Fri Sep 14 08:38:11 2018
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	77	0.00	9.50
			True	Calc.	% Drift			
2		Dichlorodifluoromethane	40.000	38.816	3.0	77	0.00	2.85
3		Acrolein	200.000	243.563	-21.8#	90	0.00	5.58
			AvgRF	CCRF	% Dev			
4	P	Chloromethane	0.311	0.340	-9.3	93	0.00	3.18
5		1,3-butadiene	0.284	0.272	4.2	69	0.00	3.34
6	C	Vinyl Chloride	0.348	0.370	-6.3	91	0.00	3.31
			True	Calc.	% Drift			
7		Bromomethane	40.000	52.247	-30.6#	98	0.00	3.83
8		Chloroethane	40.000	55.031	-37.6#	107	0.00	4.03
			AvgRF	CCRF	% Dev			
9		Trichlorofluoromethane	0.367	0.408	-11.2	87	0.00	4.25
10		Ethyl Ether	0.228	0.230	-0.9	81	0.00	4.75
			True	Calc.	% Drift			
11		Ethanol	800.000	714.754	10.7	61	-0.01	4.99
			AvgRF	CCRF	% Dev			
12		1,2-Dichlorotrifluoroetha	0.252	0.284	-12.7	90	0.00	5.04
13	C	1,1-Dichloroethene	0.341	0.355	-4.1	83	0.00	5.05
14		Freon 113	0.237	0.224	5.5	74	0.00	5.11
15		Carbon Disulfide	0.648	0.648	0.0	77	0.00	5.10
			True	Calc.	% Drift			
16		Iodomethane	40.000	50.524	-26.3#	100	0.00	5.27
17		Allyl chloride	40.000	45.489	-13.7	82	0.00	5.79
18		Methylene Chloride	40.000	41.826	-4.6	82	0.00	5.96
19		Acetone	200.000	218.437	-9.2	92	0.00	6.04
			AvgRF	CCRF	% Dev			
20		Methyl acetate	0.325	0.374	-15.1	88	0.00	6.22
21		trans-1,2-Dichloroethene	0.340	0.371	-9.1	86	0.00	6.22
22		Hexane	0.183	0.185	-1.1	72	0.00	6.33
23		Methyl Tert Butyl Ether	0.783	0.820	-4.7	84	0.00	6.38
			True	Calc.	% Drift			
24		Tert Butyl Alcohol	400.000	418.833	-4.7	83	0.00	6.53

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2672-CC2666
Lab FileID: Y64454.D

25		Acetonitrile	400.000	450.784	-12.7	85	0.00	6.78
			AvgRF	CCRF	% Dev			
26		Di-isopropyl ether	0.832	0.898	-7.9	85	0.00	6.98
			True	Calc.	% Drift			
27		Chloroprene	40.000	46.897	-17.2	86	0.00	7.17
			AvgRF	CCRF	% Dev			
28	P	1,1-Dichloroethane	0.442	0.485	-9.7	88	0.00	7.21
			True	Calc.	% Drift			
29		Acrylonitrile	200.000	219.624	-9.8	92	0.00	7.29
			AvgRF	CCRF	% Dev			
30		ETBE	0.829	0.896	-8.1	88	0.00	7.57
			True	Calc.	% Drift			
31		Vinyl acetate	200.000	218.270	-9.1	89	0.00	7.60
			AvgRF	CCRF	% Dev			
32		cis-1,2-Dichloroethene	0.282	0.306	-8.5	87	0.00	8.03
33		2,2-Dichloropropane	0.367	0.431	-17.4	90	0.00	8.16
34		Bromochloromethane	0.132	0.132	0.0	81	0.00	8.29
35		Cyclohexane	0.487	0.524	-7.6	81	0.00	8.29
36	C	Chloroform	0.441	0.482	-9.3	86	0.00	8.38
			True	Calc.	% Drift			
37		Ethyl acetate	200.000	217.136	-8.6	91	0.00	8.51
			AvgRF	CCRF	% Dev			
38		Tetrahydrofuran	0.202	0.206	-2.0	87	0.00	8.58
39	S	Dibromofluoromethane	0.224	0.224	0.0	76	0.00	8.60
40		Carbon Tetrachloride	0.296	0.331	-11.8	85	0.00	8.55
41		1,1,1-Trichloroethane	0.386	0.429	-11.1	89	0.00	8.63
42		2-Butanone	0.267	0.289	-8.2	93	0.00	8.74
43		1,1-Dichloropropene	0.352	0.407	-15.6	90	0.00	8.78
44		tert-Butyl formate	0.226	0.280	-23.9#	87	0.00	8.89
			True	Calc.	% Drift			
45		Propionitrile	400.000	450.575	-12.6	86	0.00	9.08
46		Methacrylonitrile	400.000	455.929	-14.0	88	0.00	9.10
			AvgRF	CCRF	% Dev			
47		Benzene	1.144	1.266	-10.7	89	0.00	9.06
48		TAME	0.810	0.881	-8.8	89	0.00	9.17
49	S	1,2-Dichloroethane-d4	0.274	0.267	2.6	77	0.00	9.20
			True	Calc.	% Drift			
50		Isobutyl Alcohol	800.000	889.113	-11.1	84	0.00	9.27
			AvgRF	CCRF	% Dev			
51		1,2-Dichloroethane	0.361	0.400	-10.8	91	0.00	9.28
			True	Calc.	% Drift			
52		Tert Amyl Alcohol	400.000	442.672	-10.7	90	0.00	9.37
			AvgRF	CCRF	% Dev			
53		Trichloroethene	0.277	0.313	-13.0	89	0.00	9.67
54		Methylcyclohexane	0.484	0.516	-6.6	80	0.00	9.66

Continuing Calibration Summary

Job Number: FA98431 **Sample:** VY2672-CC2666
Account: BHATALB Bhate Environmental **Lab FileID:** Y64454.D
Project: Griffiss AFB; Rome, NY

55		Dibromomethane		0.156	0.177	-13.5	89	0.00	10.09
56	C	1,2-Dichloropropane		0.274	0.310	-13.1	90	0.00	10.17
57		Bromodichloromethane		0.293	0.342	-16.7	89	0.00	10.23
			True	Calc.	% Drift				
58		Methyl methacrylate	40.000	47.220	-18.0		86	0.00	10.34
59		1,4-Dioxane	800.000	757.162	5.4		72	0.00	10.41
60		2-Chloroethyl vinyl ether	200.000	249.852	-24.9#		91	0.00	10.71
61		cis-1,3-Dichloropropene	40.000	46.921	-17.3		92	0.00	10.78
			AvgRF	CCRF	% Dev				
62	I	Chlorobenzene-d5	1.000	1.000	0.0		88	0.00	12.15
63	S	Toluene-d8	1.237	1.167	5.7		82	0.00	10.93
64	C	Toluene	1.529	1.517	0.8		90	0.00	10.97
65		2-Nitropropane	0.152	0.160	-5.3		90	0.00	11.17
			True	Calc.	% Drift				
66		4-Methyl-2-pentanone	200.000	201.638	-0.8		96	0.00	11.26
67		trans-1,3-Dichloropropene	40.000	42.535	-6.3		92	0.00	11.31
			AvgRF	CCRF	% Dev				
68		Tetrachloroethene	0.369	0.326	11.7		77	0.00	11.30
			True	Calc.	% Drift				
69		Ethyl methacrylate	40.000	43.286	-8.2		88	0.00	11.40
			AvgRF	CCRF	% Dev				
70		1,1,2-Trichloroethane	0.266	0.272	-2.3		92	0.00	11.44
71		Dibromochloromethane	0.285	0.287	-0.7		86	0.00	11.59
72		1,3-Dichloropropane	0.580	0.581	-0.2		91	0.00	11.66
73		1,2-Dibromoethane	0.328	0.329	-0.3		89	0.00	11.79
			True	Calc.	% Drift				
74		3,3-dimethyl-1-butanol	2000.000	1853.687	7.3		75	0.00	11.87
75		2-hexanone	200.000	191.695	4.2		95	0.00	11.90
			AvgRF	CCRF	% Dev				
76		1-Chlorohexane	0.460	0.504	-9.6		90	0.00	12.11
77	C	Ethylbenzene	1.684	1.706	-1.3		91	0.00	12.15
78	P	Chlorobenzene	0.939	0.912	2.9		87	0.00	12.17
79		1,1,1,2-Tetrachloroethane	0.298	0.292	2.0		86	0.00	12.20
80		m,p-Xylene	1.301	1.304	-0.2		88	0.00	12.26
81		o-Xylene	1.249	1.270	-1.7		89	0.00	12.57
82		Styrene	0.911	0.954	-4.7		87	0.00	12.61
			True	Calc.	% Drift				
83	P	Bromoform	40.000	36.854	7.9		78	0.00	12.67
			AvgRF	CCRF	% Dev				
84		Isopropylbenzene	1.589	1.575	0.9		86	0.00	12.78
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0		83	0.00	13.77
86	S	4-Bromofluorobenzene	0.759	0.705	7.1		77	0.00	13.01
87		cis-1,4-Dichloro-2-butene	0.290	0.349	-20.3#		89	0.00	13.03
88		n-Propylbenzene	3.670	3.666	0.1		85	0.00	13.07
89		Bromobenzene	0.732	0.671	8.3		78	0.00	13.10
90	P	1,1,2,2-Tetrachloroethane	1.021	1.103	-8.0		97	0.00	13.12
91		1,3,5-Trimethylbenzene	2.507	2.467	1.6		84	0.00	13.18
92		2-Chlorotoluene	2.383	2.365	0.8		85	0.00	13.20

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2672-CC2666
Lab FileID: Y64454.D

93	trans-1,4-Dichloro-2-Bute	0.269	0.306	-13.8	92	0.00	13.24
	----------	True	Calc.	% Drift	----------		
94	1,2,3-Trichloropropane	40.000	42.317	-5.8	92	0.00	13.23
	----------	AvgRF	CCRF	% Dev	----------		
95	Cyclohexanone	0.066	0.064	3.0	78	0.00	13.29
96	4-Chlorotoluene	2.121	2.147	-1.2	89	0.00	13.31
97	tert-Butylbenzene	1.381	1.332	3.5	82	0.00	13.41
98	1,2,4-Trimethylbenzene	2.461	2.459	0.1	85	0.00	13.46
	----------	True	Calc.	% Drift	----------		
99	Pentachloroethane	40.000	38.570	3.6	75	0.00	13.46
	----------	AvgRF	CCRF	% Dev	----------		
100	sec-Butylbenzene	2.997	2.848	5.0	79	0.00	13.53
101	4-Isopropyltoluene	2.518	2.401	4.6	80	0.00	13.61
102	1,3-Dichlorobenzene	1.317	1.213	7.9	81	0.00	13.72
103	1,2,3-Trimethylbenzene	2.488	2.537	-2.0	88	0.00	13.76
104	1,4-Dichlorobenzene	1.396	1.290	7.6	82	0.00	13.78
105	n-Butylbenzene	1.249	1.209	3.2	81	0.00	13.89
	----------	True	Calc.	% Drift	----------		
106	Benzyl Chloride	40.000	43.191	-8.0	88	0.00	13.93
	----------	AvgRF	CCRF	% Dev	----------		
107	1,2-Dichlorobenzene	1.288	1.224	5.0	83	0.00	14.07
108	1,2-Dibromo-3-Chloropropa	0.238	0.265	-11.3	92	0.00	14.60
	----------	True	Calc.	% Drift	----------		
109	Hexachlorobutadiene	40.000	31.654	20.9#	65	0.00	15.00
	----------	AvgRF	CCRF	% Dev	----------		
110	1,2,4-Trichlorobenzene	0.842	0.748	11.2	76	0.00	15.06
111	Naphthalene	3.627	3.663	-1.0	87	0.00	15.31
112	1,2,3-Trichlorobenzene	0.844	0.741	12.2	77	0.00	15.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y64315.D APPIX_08-29-2022_Y.M Mon Sep 05 02:28:23 2022

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2672-ECC2666
Lab FileID: Y64481.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\jo...-2022\vy2672\Y64481.D Vial: 29
Acq On : 3 Sep 2022 9:33 pm Operator: adelardl
Sample : ECC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2672,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Fri Sep 14 08:38:11 2018
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	71	0.00	9.50
		True	Calc.	% Drift			
2	Dichlorodifluoromethane	40.000	37.257	6.9	68	0.00	2.84
3	Acrolein	200.000	226.193	-13.1	76	0.00	5.58
		AvgRF	CCRF	% Dev			
4 P	Chloromethane	0.311	0.349	-12.2	88	0.00	3.18
5	1,3-butadiene	0.284	0.353	-24.3	82	0.00	3.34
6 C	Vinyl Chloride	0.348	0.353	-1.4	80	0.00	3.31
		True	Calc.	% Drift			
7	Bromomethane	40.000	28.866	27.8	45	0.00	3.83
8	Chloroethane	40.000	54.771	-36.9	98	0.00	4.02
		AvgRF	CCRF	% Dev			
9	Trichlorofluoromethane	0.367	0.409	-11.4	80	0.00	4.24
10	Ethyl Ether	0.228	0.244	-7.0	79	0.00	4.75
		True	Calc.	% Drift			
11	Ethanol	800.000	1091.807	-36.5	98	0.00	5.00
		AvgRF	CCRF	% Dev			
12	1,2-Dichlorotrifluoroetha	0.252	0.284	-12.7	83	0.00	5.04
13 C	1,1-Dichloroethene	0.341	0.358	-5.0	77	0.00	5.05
14	Freon 113	0.237	0.208	12.2	64	0.00	5.11
15	Carbon Disulfide	0.648	0.633	2.3	69	0.00	5.10
		True	Calc.	% Drift			
16	Iodomethane	40.000	23.468	41.3	39	0.00	5.27
17	Allyl chloride	40.000	45.492	-13.7	76	0.00	5.79
18	Methylene Chloride	40.000	46.779	-16.9	85	0.00	5.96
19	Acetone	200.000	230.807	-15.4	90	0.00	6.04
		AvgRF	CCRF	% Dev			
20	Methyl acetate	0.325	0.401	-23.4	87	0.00	6.23
21	trans-1,2-Dichloroethene	0.340	0.382	-12.4	82	0.00	6.21
22	Hexane	0.183	0.165	9.8	59	0.00	6.33
23	Methyl Tert Butyl Ether	0.783	0.839	-7.2	79	0.00	6.38
		True	Calc.	% Drift			
24	Tert Butyl Alcohol	400.000	481.468	-20.4	90	0.00	6.54

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VY2672-ECC2666
Lab FileID: Y64481.D

25		Acetonitrile	400.000	495.288	-23.8	87	0.00	6.79
			AvgRF	CCRF	% Dev			
26		Di-isopropyl ether	0.832	0.959	-15.3	84	0.00	6.99
			True	Calc.	% Drift			
27		Chloroprene	40.000	46.514	-16.3	79	0.00	7.18
			AvgRF	CCRF	% Dev			
28	P	1,1-Dichloroethane	0.442	0.509	-15.2	85	0.00	7.21
			True	Calc.	% Drift			
29		Acrylonitrile	200.000	227.234	-13.6	88	0.00	7.30
			AvgRF	CCRF	% Dev			
30		ETBE	0.829	0.946	-14.1	86	0.00	7.58
			True	Calc.	% Drift			
31		Vinyl acetate	200.000	216.539	-8.3	81	0.00	7.60
			AvgRF	CCRF	% Dev			
32		cis-1,2-Dichloroethene	0.282	0.314	-11.3	82	0.00	8.03
33		2,2-Dichloropropane	0.367	0.371	-1.1	71	0.00	8.17
34		Bromochloromethane	0.132	0.130	1.5	74	0.00	8.29
35		Cyclohexane	0.487	0.515	-5.7	74	0.00	8.29
36	C	Chloroform	0.441	0.514	-16.6	85	0.00	8.38
			True	Calc.	% Drift			
37		Ethyl acetate	200.000	222.896	-11.4	86	0.00	8.51
			AvgRF	CCRF	% Dev			
38		Tetrahydrofuran	0.202	0.218	-7.9	85	0.00	8.59
39	S	Dibromofluoromethane	0.224	0.226	-0.9	71	0.00	8.60
40		Carbon Tetrachloride	0.296	0.304	-2.7	72	0.00	8.56
41		1,1,1-Trichloroethane	0.386	0.417	-8.0	79	0.00	8.64
42		2-Butanone	0.267	0.301	-12.7	90	0.00	8.74
43		1,1-Dichloropropene	0.352	0.405	-15.1	83	0.00	8.78
44		tert-Butyl formate	0.226	0.274	-21.2	79	0.00	8.90
			True	Calc.	% Drift			
45		Propionitrile	400.000	482.092	-20.5	86	0.00	9.08
46		Methacrylonitrile	400.000	460.093	-15.0	82	0.00	9.10
			AvgRF	CCRF	% Dev			
47		Benzene	1.144	1.298	-13.5	84	0.00	9.06
48		TAME	0.810	0.908	-12.1	85	0.00	9.17
49	S	1,2-Dichloroethane-d4	0.274	0.276	-0.7	73	0.00	9.21
			True	Calc.	% Drift			
50		Isobutyl Alcohol	800.000	1012.797	-26.6	91	0.00	9.27
			AvgRF	CCRF	% Dev			
51		1,2-Dichloroethane	0.361	0.415	-15.0	87	0.00	9.28
			True	Calc.	% Drift			
52		Tert Amyl Alcohol	400.000	489.390	-22.3	94	0.00	9.38
			AvgRF	CCRF	% Dev			
53		Trichloroethene	0.277	0.320	-15.5	84	0.00	9.68
54		Methylcyclohexane	0.484	0.511	-5.6	73	0.00	9.66

Continuing Calibration Summary

Job Number: FA98431 **Sample:** VY2672-ECC2666
Account: BHATALB Bhate Environmental **Lab FileID:** Y64481.D
Project: Griffiss AFB; Rome, NY

55		Dibromomethane		0.156	0.182	-16.7	85	0.00	10.09
56	C	1,2-Dichloropropane		0.274	0.325	-18.6	87	0.00	10.17
57		Bromodichloromethane		0.293	0.347	-18.4	83	0.00	10.23
			True	Calc.	% Drift				
58		Methyl methacrylate	40.000	48.429	-21.1		82	0.00	10.34
59		1,4-Dioxane	800.000	1099.424	-37.4		101	0.00	10.41
60		2-Chloroethyl vinyl ether	200.000	264.101	-32.1		89	0.00	10.71
61		cis-1,3-Dichloropropene	40.000	46.005	-15.0		83	0.00	10.78
			AvgRF	CCRF	% Dev				
62	I	Chlorobenzene-d5		1.000	1.000	0.0	83	0.00	12.15
63	S	Toluene-d8		1.237	1.172	5.3	78	0.00	10.93
64	C	Toluene		1.529	1.540	-0.7	86	0.00	10.98
65		2-Nitropropane		0.152	0.160	-5.3	85	0.00	11.17
			True	Calc.	% Drift				
66		4-Methyl-2-pentanone	200.000	204.350	-2.2		91	0.00	11.26
67		trans-1,3-Dichloropropene	40.000	40.071	-0.2		81	0.00	11.31
			AvgRF	CCRF	% Dev				
68		Tetrachloroethene		0.369	0.322	12.7	72	0.00	11.30
			True	Calc.	% Drift				
69		Ethyl methacrylate	40.000	42.370	-5.9		81	0.00	11.40
			AvgRF	CCRF	% Dev				
70		1,1,2-Trichloroethane		0.266	0.266	0.0	84	0.00	11.44
71		Dibromochloromethane		0.285	0.269	5.6	76	0.00	11.59
72		1,3-Dichloropropane		0.580	0.593	-2.2	88	0.00	11.66
73		1,2-Dibromoethane		0.328	0.320	2.4	81	0.00	11.79
			True	Calc.	% Drift				
74		3,3-dimethyl-1-butanol	2000.000	2004.479	-0.2		77	0.00	11.87
75		2-hexanone	200.000	192.251	3.9		90	0.00	11.90
			AvgRF	CCRF	% Dev				
76		1-Chlorohexane		0.460	0.484	-5.2	81	0.00	12.11
77	C	Ethylbenzene		1.684	1.713	-1.7	86	0.00	12.16
78	P	Chlorobenzene		0.939	0.909	3.2	82	0.00	12.16
79		1,1,1,2-Tetrachloroethane		0.298	0.276	7.4	76	0.00	12.20
80		m,p-Xylene		1.301	1.321	-1.5	84	0.00	12.26
81		o-Xylene		1.249	1.289	-3.2	85	0.00	12.57
82		Styrene		0.911	0.938	-3.0	80	0.00	12.61
			True	Calc.	% Drift				
83	P	Bromoform	40.000	32.536	18.7		64	0.00	12.66
			AvgRF	CCRF	% Dev				
84		Isopropylbenzene		1.589	1.603	-0.9	82	0.00	12.78
85	I	1,4-Dichlorobenzene-d4		1.000	1.000	0.0	77	0.00	13.77
86	S	4-Bromofluorobenzene		0.759	0.683	10.0	69	0.00	13.01
87		cis-1,4-Dichloro-2-butene		0.290	0.157	45.9	37#	0.00	13.03
88		n-Propylbenzene		3.670	3.946	-7.5	85	0.00	13.06
89		Bromobenzene		0.732	0.641	12.4	70	0.00	13.09
90	P	1,1,2,2-Tetrachloroethane		1.021	1.076	-5.4	88	0.00	13.12
91		1,3,5-Trimethylbenzene		2.507	2.618	-4.4	83	0.00	13.18
92		2-Chlorotoluene		2.383	2.484	-4.2	84	0.00	13.20

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2672-ECC2666
Lab FileID: Y64481.D

93	trans-1,4-Dichloro-2-Bute	0.269	0.155	42.4	44#	0.00	13.23
	----------	True	Calc.	% Drift	----------		
94	1,2,3-Trichloropropane	40.000	41.861	-4.7	85	0.00	13.23
	----------	AvgRF	CCRF	% Dev	----------		
95	Cyclohexanone	0.066	0.079	-19.7	90	0.00	13.29
96	4-Chlorotoluene	2.121	2.230	-5.1	86	0.00	13.31
97	tert-Butylbenzene	1.381	1.458	-5.6	83	0.00	13.41
98	1,2,4-Trimethylbenzene	2.461	2.544	-3.4	82	0.00	13.45
	----------	True	Calc.	% Drift	----------		
99	Pentachloroethane	40.000	31.411	21.5	56	0.00	13.46
	----------	AvgRF	CCRF	% Dev	----------		
100	sec-Butylbenzene	2.997	3.206	-7.0	83	0.00	13.53
101	4-Isopropyltoluene	2.518	2.602	-3.3	81	0.00	13.61
102	1,3-Dichlorobenzene	1.317	1.177	10.6	73	0.00	13.72
103	1,2,3-Trimethylbenzene	2.488	2.566	-3.1	83	0.00	13.76
104	1,4-Dichlorobenzene	1.396	1.267	9.2	75	0.00	13.78
105	n-Butylbenzene	1.249	1.370	-9.7	86	0.00	13.90
	----------	True	Calc.	% Drift	----------		
106	Benzyl Chloride	40.000	32.517	18.7	60	0.00	13.93
	----------	AvgRF	CCRF	% Dev	----------		
107	1,2-Dichlorobenzene	1.288	1.169	9.2	74	0.00	14.07
108	1,2-Dibromo-3-Chloropropa	0.238	0.264	-10.9	86	0.00	14.60
	----------	True	Calc.	% Drift	----------		
109	Hexachlorobutadiene	40.000	31.688	20.8	60	0.00	15.00
	----------	AvgRF	CCRF	% Dev	----------		
110	1,2,4-Trichlorobenzene	0.842	0.685	18.6	65	0.00	15.07
111	Naphthalene	3.627	3.597	0.8	80	0.00	15.31
112	1,2,3-Trichlorobenzene	0.844	0.706	16.4	69	0.00	15.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y64315.D APPIX_08-29-2022_Y.M Mon Sep 05 02:28:54 2022

Run Sequence Report

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V2P3560 **Method:** SW846 8260D **Instrument ID:** GCMS2P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2P3560-BFB	2P92263.D	08/24/22 09:49	n/a	BFB Tune
V2P3560-IC3560	2P92263.D	08/24/22 09:50	n/a	Initial cal 1
V2P3560-IC3560	2P92265.D	08/24/22 10:22	n/a	Initial cal 2
V2P3560-IC3560	2P92267.D	08/24/22 10:54	n/a	Initial cal 3
V2P3560-IC3560	2P92269.D	08/24/22 11:26	n/a	Initial cal 4
V2P3560-ICC3560	2P92271.D	08/24/22 11:59	n/a	Initial cal 5
V2P3560-IC3560	2P92273.D	08/24/22 12:31	n/a	Initial cal 6
V2P3560-IC3560	2P92275.D	08/24/22 13:04	n/a	Initial cal 7
V2P3560-ICV3560	2P92279.D	08/24/22 14:09	n/a	Initial cal verification 5
V2P3560-CC3560	2P92279A.D	08/24/22 14:09	n/a	Continuing cal 5
V2P3560-ICV3560	2P92281.D	08/24/22 14:41	n/a	Initial cal verification 4
V2P3560-BS	2P92281A.D	08/24/22 14:41	n/a	Blank Spike
V2P3560-MB	2P92285.D	08/24/22 15:44	n/a	Method Blank
ZZZZZZ	2P92289.D	08/24/22 16:49	n/a	(unrelated sample)
ZZZZZZ	2P92293.D	08/24/22 17:52	n/a	(unrelated sample)
ZZZZZZ	2P92299.D	08/24/22 19:28	n/a	(unrelated sample)
FA98254-9	2P92303.D	08/24/22 20:31	n/a	(used for QC only; not part of job FA98431)
ZZZZZZ	2P92305.D	08/24/22 21:03	n/a	(unrelated sample)
FA98254-9MS	2P92307.D	08/24/22 21:35	n/a	Matrix Spike
FA98254-9MSD	2P92309.D	08/24/22 22:07	n/a	Matrix Spike Duplicate
V2P3560-ECC3560	2P92311.D	08/24/22 22:38	n/a	Ending cal 5

Run Sequence Report

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V2P3567	**Method:** SW846 8260D	**Instrument ID:** GCMS2P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2P3567-BFB	2P92601.D	09/01/22 13:03	n/a	BFB Tune
V2P3567-CC3560	2P92601.D	09/01/22 13:04	n/a	Continuing cal 5
V2P3567-BS	2P92603.D	09/01/22 13:36	n/a	Blank Spike
V2P3567-MB	2P92607.D	09/01/22 14:40	n/a	Method Blank
ZZZZZZ	2P92609.D	09/01/22 15:12	n/a	(unrelated sample)
FA98474-2	2P92611.D	09/01/22 15:45	n/a	(used for QC only; not part of job FA98431)
ZZZZZZ	2P92613.D	09/01/22 16:17	n/a	(unrelated sample)
ZZZZZZ	2P92615.D	09/01/22 16:49	n/a	(unrelated sample)
ZZZZZZ	2P92617.D	09/01/22 17:21	n/a	(unrelated sample)
FA98431-8	2P92619.D	09/01/22 17:53	n/a	WSA-MW9-0822
FA98431-9	2P92621.D	09/01/22 18:26	n/a	WSA-VMW17-0822
FA98431-11	2P92623.D	09/01/22 18:58	n/a	WSA-MW16-0822-A
ZZZZZZ	2P92625.D	09/01/22 19:30	n/a	(unrelated sample)
ZZZZZZ	2P92627.D	09/01/22 20:02	n/a	(unrelated sample)
ZZZZZZ	2P92629.D	09/01/22 20:34	n/a	(unrelated sample)
ZZZZZZ	2P92631.D	09/01/22 21:06	n/a	(unrelated sample)
ZZZZZZ	2P92633.D	09/01/22 21:39	n/a	(unrelated sample)
ZZZZZZ	2P92635.D	09/01/22 22:11	n/a	(unrelated sample)
ZZZZZZ	2P92637.D	09/01/22 22:43	n/a	(unrelated sample)
ZZZZZZ	2P92639.D	09/01/22 23:15	n/a	(unrelated sample)
FA98474-2MS	2P92641.D	09/01/22 23:46	n/a	Matrix Spike
FA98474-2MSD	2P92643.D	09/02/22 00:18	n/a	Matrix Spike Duplicate
V2P3567-ECC3560	2P92645.D	09/02/22 00:50	n/a	Ending cal 5

Run Sequence Report

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V2P3568 **Method:** SW846 8260D **Instrument ID:** GCMS2P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2P3568-BFB	2P92657.D	09/06/22 11:30	n/a	BFB Tune
V2P3568-CC3560	2P92657.D	09/06/22 11:31	n/a	Continuing cal 5
V2P3568-BS	2P92659.D	09/06/22 12:04	n/a	Blank Spike
V2P3568-MB	2P92665.D	09/06/22 13:41	n/a	Method Blank
FA98431-10	2P92667.D	09/06/22 14:14	n/a	WSA-TB01-0822
ZZZZZZ	2P92669.D	09/06/22 14:46	n/a	(unrelated sample)
ZZZZZZ	2P92671.D	09/06/22 15:18	n/a	(unrelated sample)
FA98431-6	2P92673.D	09/06/22 15:50	n/a	WSA-MW21-0822
ZZZZZZ	2P92675.D	09/06/22 16:22	n/a	(unrelated sample)
ZZZZZZ	2P92677.D	09/06/22 16:54	n/a	(unrelated sample)
ZZZZZZ	2P92679.D	09/06/22 17:26	n/a	(unrelated sample)
ZZZZZZ	2P92681.D	09/06/22 17:58	n/a	(unrelated sample)
ZZZZZZ	2P92683.D	09/06/22 18:30	n/a	(unrelated sample)
ZZZZZZ	2P92685.D	09/06/22 19:02	n/a	(unrelated sample)
ZZZZZZ	2P92687.D	09/06/22 19:34	n/a	(unrelated sample)
ZZZZZZ	2P92689.D	09/06/22 20:06	n/a	(unrelated sample)
ZZZZZZ	2P92691.D	09/06/22 20:39	n/a	(unrelated sample)
ZZZZZZ	2P92693.D	09/06/22 21:12	n/a	(unrelated sample)
ZZZZZZ	2P92695.D	09/06/22 21:44	n/a	(unrelated sample)
FA98431-6MS	2P92697.D	09/06/22 22:17	n/a	Matrix Spike
FA98431-6MSD	2P92699.D	09/06/22 22:49	n/a	Matrix Spike Duplicate
V2P3568-ECC3560	2P92701.D	09/06/22 23:22	n/a	Ending cal 5

Run Sequence Report

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VO2796 **Method:** SW846 8260D **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2796-BFB	O70541.D	08/23/22 11:06	n/a	BFB Tune
VO2796-IC2796	O70542.D	08/23/22 12:41	n/a	Initial cal 1
VO2796-IC2796	O70543.D	08/23/22 13:05	n/a	Initial cal 2
VO2796-IC2796	O70544.D	08/23/22 13:30	n/a	Initial cal 3
VO2796-IC2796	O70545.D	08/23/22 13:55	n/a	Initial cal 4
VO2796-ICC2796	O70546.D	08/23/22 15:09	n/a	Initial cal 5
VO2796-IC2796	O70547.D	08/23/22 15:34	n/a	Initial cal 6
VO2796-IC2796	O70548.D	08/23/22 15:59	n/a	Initial cal 7
VO2796-ICV2796	O70550.D	08/23/22 16:49	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VO2808 **Method:** SW846 8260D **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2808-BFB	O70797.D	09/01/22 11:28	n/a	BFB Tune
VO2808-CC2796	O70797.D	09/01/22 11:29	n/a	Continuing cal 5
VO2808-BS	O70798.D	09/01/22 11:54	n/a	Blank Spike
VO2808-MB	O70800.D	09/01/22 12:44	n/a	Method Blank
ZZZZZZ	O70801.D	09/01/22 13:09	n/a	(unrelated sample)
ZZZZZZ	O70802.D	09/01/22 13:34	n/a	(unrelated sample)
ZZZZZZ	O70803.D	09/01/22 13:59	n/a	(unrelated sample)
ZZZZZZ	O70804.D	09/01/22 14:24	n/a	(unrelated sample)
ZZZZZZ	O70805.D	09/01/22 14:49	n/a	(unrelated sample)
ZZZZZZ	O70806.D	09/01/22 15:14	n/a	(unrelated sample)
FA98431-1	O70807.D	09/01/22 15:39	n/a	B817-MW-002-0822
FA98431-2	O70808.D	09/01/22 16:04	n/a	B817-MW-003-0822
FA98431-3	O70809.D	09/01/22 16:29	n/a	WSA-MW16-0822
FA98431-4	O70810.D	09/01/22 16:54	n/a	WSA-MW18-0822
FA98431-5	O70811.D	09/01/22 17:19	n/a	WSA-MW19-0822
FA98431-7	O70812.D	09/01/22 17:44	n/a	WSA-MW23-0822
ZZZZZZ	O70813.D	09/01/22 18:09	n/a	(unrelated sample)
FA98452-2	O70814.D	09/01/22 18:34	n/a	(used for QC only; not part of job FA98431)
ZZZZZZ	O70815.D	09/01/22 18:59	n/a	(unrelated sample)
ZZZZZZ	O70816.D	09/01/22 19:24	n/a	(unrelated sample)
ZZZZZZ	O70817.D	09/01/22 19:49	n/a	(unrelated sample)
ZZZZZZ	O70818.D	09/01/22 20:14	n/a	(unrelated sample)
ZZZZZZ	O70819.D	09/01/22 20:38	n/a	(unrelated sample)
ZZZZZZ	O70820.D	09/01/22 21:03	n/a	(unrelated sample)
FA98452-2MS	O70821.D	09/01/22 21:28	n/a	Matrix Spike
FA98452-2MSD	O70822.D	09/01/22 21:53	n/a	Matrix Spike Duplicate
VO2808-ECC2796	O70823.D	09/01/22 22:18	n/a	Ending cal 5

Run Sequence Report

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VY2666 **Method:** SW846 8260D **Instrument ID:** GCMSY

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VY2666-BFB	Y64310.D	08/29/22 12:11	n/a	BFB Tune
VY2666-IC2666	Y64311.D	08/29/22 13:05	n/a	Initial cal 1
VY2666-IC2666	Y64312.D	08/29/22 13:29	n/a	Initial cal 2
VY2666-IC2666	Y64313.D	08/29/22 13:54	n/a	Initial cal 3
VY2666-IC2666	Y64314.D	08/29/22 14:19	n/a	Initial cal 4
VY2666-ICC2666	Y64315.D	08/29/22 14:44	n/a	Initial cal 5
VY2666-IC2666	Y64316.D	08/29/22 15:09	n/a	Initial cal 6
VY2666-IC2666	Y64317.D	08/29/22 15:33	n/a	Initial cal 7
VY2666-ICV2666	Y64323.D	08/30/22 11:36	n/a	Initial cal verification 5
VY2666-ICV2666	Y64324.D	08/30/22 12:01	n/a	Initial cal verification 4

Run Sequence Report

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VY2672 **Method:** SW846 8260D **Instrument ID:** GCMSY

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VY2672-BFB	Y64453.D	09/03/22 10:04	n/a	BFB Tune
VY2672-CC2666	Y64454.D	09/03/22 10:28	n/a	Continuing cal 5
VY2672-BS	Y64455.D	09/03/22 10:53	n/a	Blank Spike
VY2672-MB	Y64458.D	09/03/22 12:06	n/a	Method Blank
ZZZZZZ	Y64459.D	09/03/22 12:30	n/a	(unrelated sample)
ZZZZZZ	Y64460.D	09/03/22 12:55	n/a	(unrelated sample)
ZZZZZZ	Y64461.D	09/03/22 13:20	n/a	(unrelated sample)
FA98431-9	Y64462.D	09/03/22 13:44	n/a	WSA-VMW17-0822
FA98431-11	Y64463.D	09/03/22 14:09	n/a	WSA-MW16-0822-A
ZZZZZZ	Y64464.D	09/03/22 14:33	n/a	(unrelated sample)
ZZZZZZ	Y64465.D	09/03/22 14:58	n/a	(unrelated sample)
ZZZZZZ	Y64466.D	09/03/22 15:22	n/a	(unrelated sample)
ZZZZZZ	Y64467.D	09/03/22 15:47	n/a	(unrelated sample)
ZZZZZZ	Y64468.D	09/03/22 16:12	n/a	(unrelated sample)
ZZZZZZ	Y64469.D	09/03/22 16:37	n/a	(unrelated sample)
ZZZZZZ	Y64470.D	09/03/22 17:01	n/a	(unrelated sample)
ZZZZZZ	Y64471.D	09/03/22 17:26	n/a	(unrelated sample)
ZZZZZZ	Y64472.D	09/03/22 17:51	n/a	(unrelated sample)
ZZZZZZ	Y64473.D	09/03/22 18:16	n/a	(unrelated sample)
FA98458-1	Y64474.D	09/03/22 18:41	n/a	(used for QC only; not part of job FA98431)
ZZZZZZ	Y64475.D	09/03/22 19:05	n/a	(unrelated sample)
ZZZZZZ	Y64476.D	09/03/22 19:30	n/a	(unrelated sample)
ZZZZZZ	Y64477.D	09/03/22 19:55	n/a	(unrelated sample)
FA98458-1MS	Y64479.D	09/03/22 20:44	n/a	Matrix Spike
FA98458-1MSD	Y64480.D	09/03/22 21:09	n/a	Matrix Spike Duplicate
VY2672-ECC2666	Y64481.D	09/03/22 21:33	n/a	Ending cal 5

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70807.d
Acq On : 1 Sep 2022 3:39 pm
Operator : joannel
Sample : FA98431-1
Misc : MS52309,VO2808,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 02 01:36:33 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

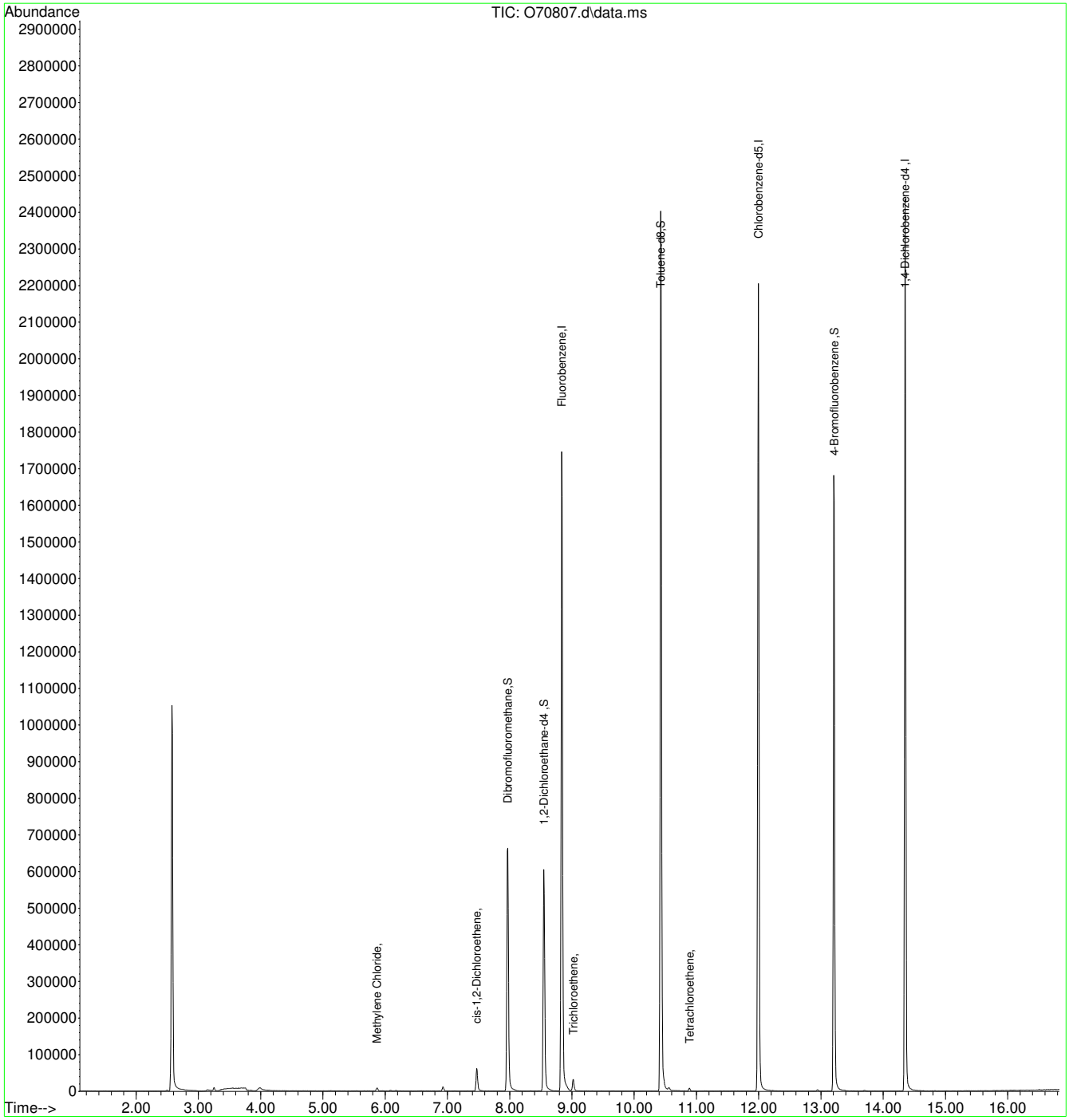
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		8.835	96	1391614	50.00	ug/L	0.00
62) Chlorobenzene-d5		11.993	117	1129238	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		14.353	152	576073	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		7.970	113	371591	47.30	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	94.60%		
50) 1,2-Dichloroethane-d4		8.549	65	400204	49.52	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	99.04%		
63) Toluene-d8		10.427	98	1388157	49.03	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	98.06%		
86) 4-Bromofluorobenzene		13.213	174	458020	49.65	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	99.30%		
Target Compounds							Qvalue
18) Methylene Chloride		5.866	49	5091	0.69	ug/L	87
32) cis-1,2-Dichloroethene		7.470	96	27842	5.01	ug/L	97
53) Trichloroethene		9.024	95	9993	1.74	ug/L	95
68) Tetrachloroethene		10.890	166	2481	0.34	ug/L	82

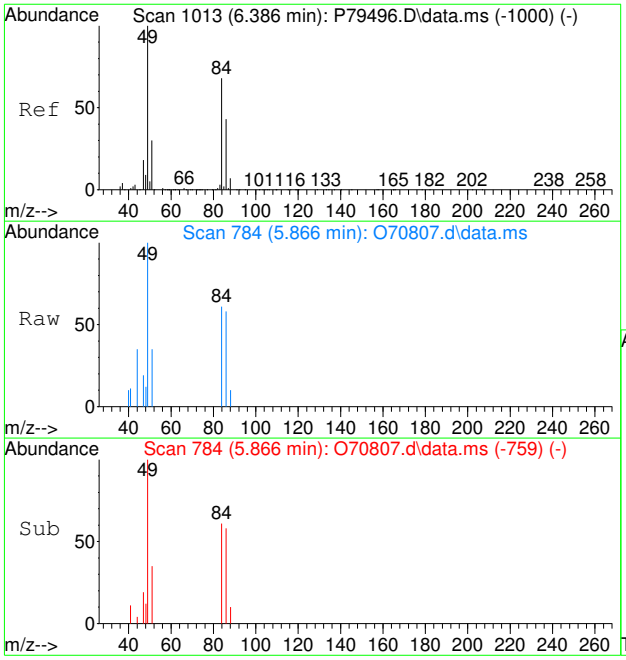
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70807.d
Acq On : 1 Sep 2022 3:39 pm
Operator : joannel
Sample : FA98431-1
Misc : MS52309,VO2808,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 02 01:36:33 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

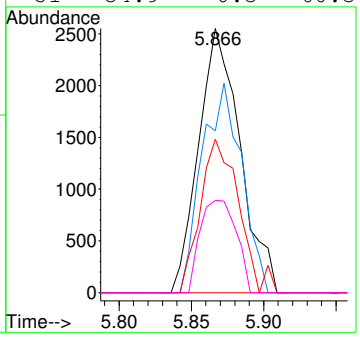


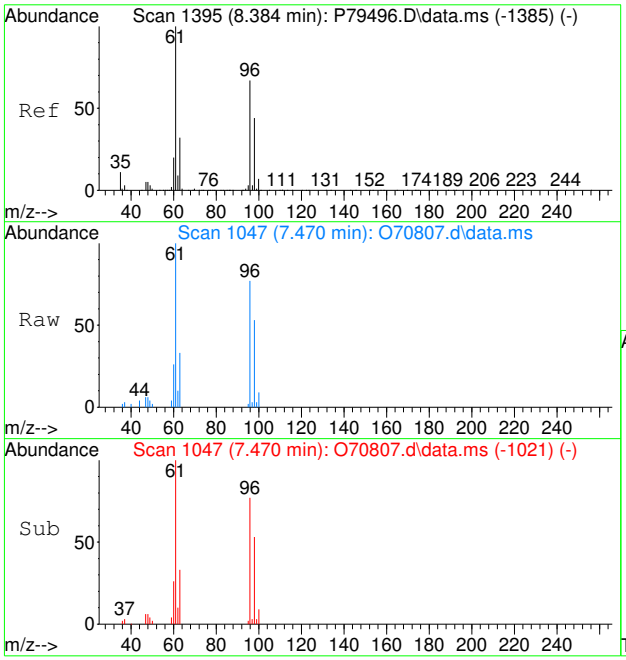


#18
Methylene Chloride
Concen: 0.69 ug/L
RT: 5.866 min Scan# 784
Delta R.T. 0.000 min
Lab File: O70807.d
Acq: 1 Sep 2022 3:39 pm

Tgt Ion: 49 Resp: 5091

Ion	Ratio	Lower	Upper
49	100		
84	61.2	44.6	104.6
86	58.1	20.5	80.5
51	34.9	0.3	60.3

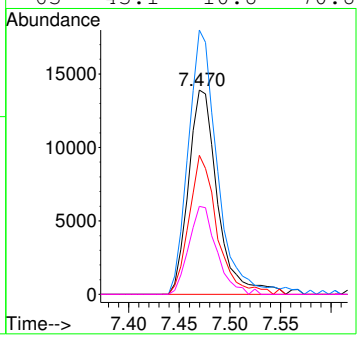


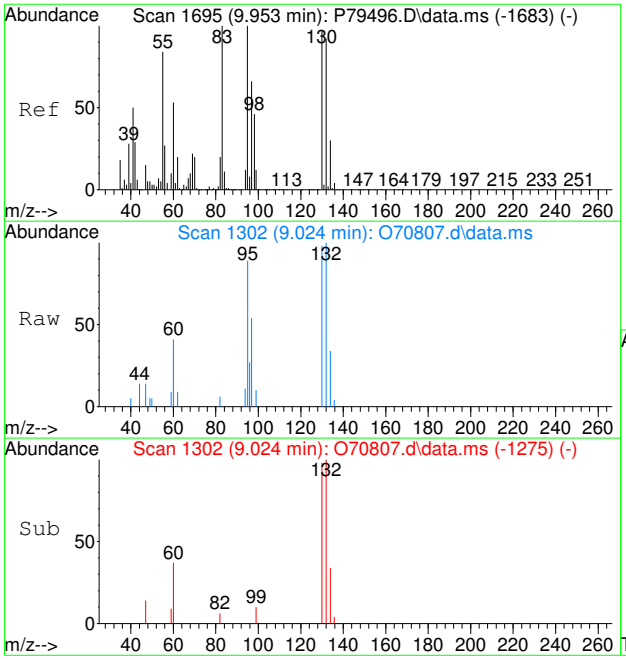


#32
cis-1,2-Dichloroethene
Concen: 5.01 ug/L
RT: 7.470 min Scan# 1047
Delta R.T. 0.006 min
Lab File: O70807.d
Acq: 1 Sep 2022 3:39 pm

Tgt Ion: 96 Resp: 27842

Ion	Ratio	Lower	Upper
96	100		
61	129.4	99.8	159.8
98	68.0	32.3	92.3
63	43.1	10.8	70.8

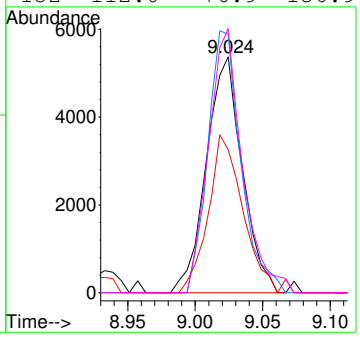


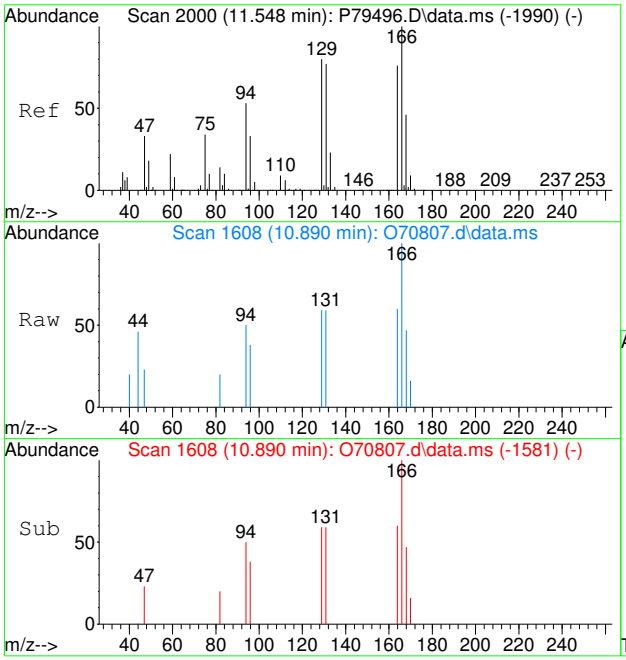


#53
Trichloroethene
Concen: 1.74 ug/L
RT: 9.024 min Scan# 1302
Delta R.T. 0.012 min
Lab File: O70807.d
Acq: 1 Sep 2022 3:39 pm

Tgt Ion: 95 Resp: 9993

Ion	Ratio	Lower	Upper
95	100		
130	109.4	76.0	136.0
97	60.5	37.2	97.2
132	112.0	76.9	136.9

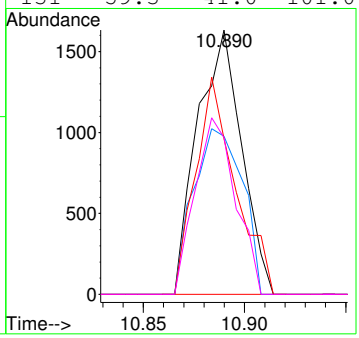




#68
Tetrachloroethene
Concen: 0.34 ug/L
RT: 10.890 min Scan# 1608
Delta R.T. 0.012 min
Lab File: O70807.d
Acq: 1 Sep 2022 3:39 pm

Tgt Ion:166 Resp: 2481

Ion	Ratio	Lower	Upper
166	100		
164	59.8	47.9	107.9
129	58.8	43.5	103.5
131	59.3	41.0	101.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70808.d
Acq On : 1 Sep 2022 4:04 pm
Operator : joannel
Sample : FA98431-2
Misc : MS52309,VO2808,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 02 01:37:01 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

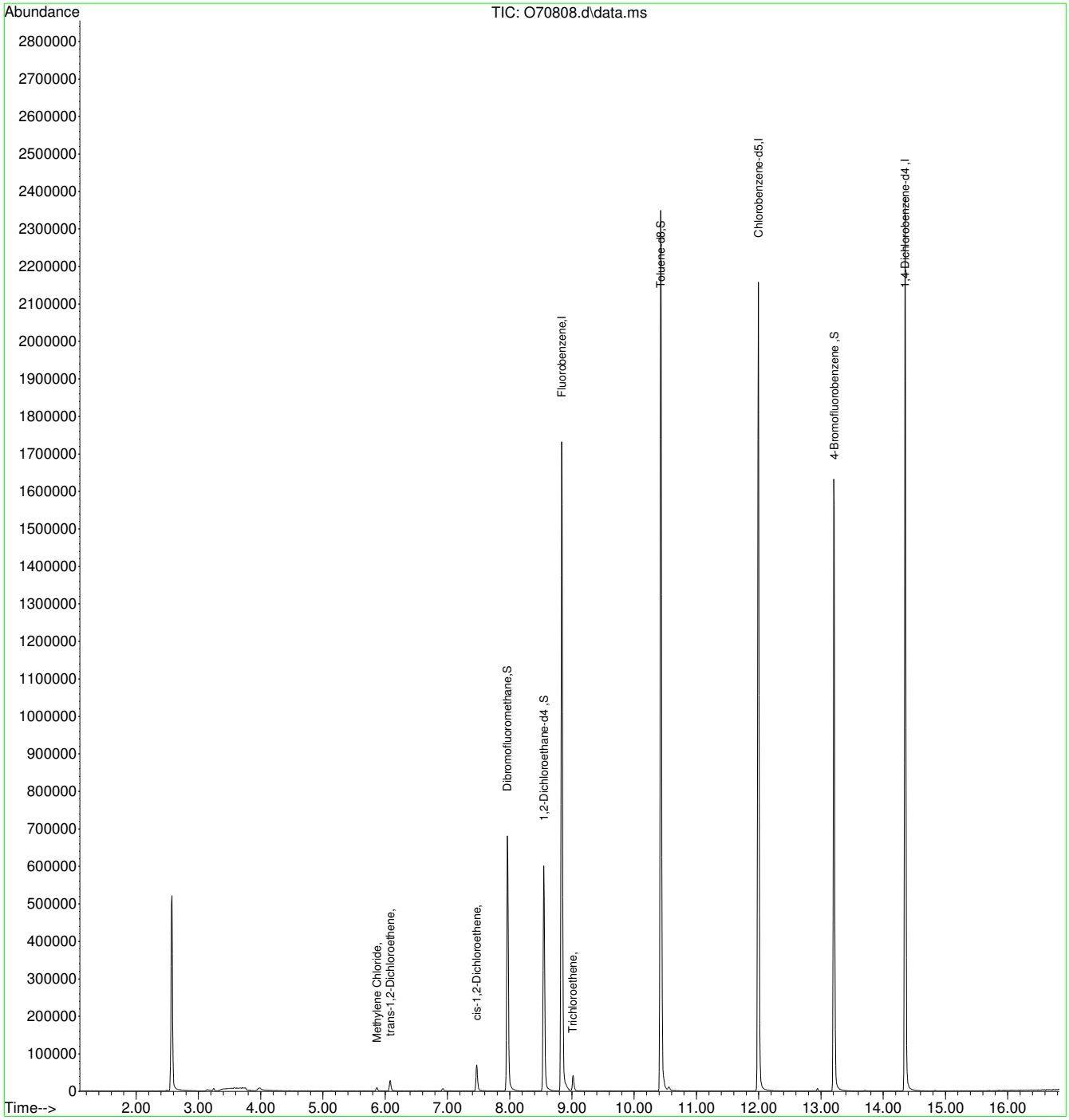
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1370962	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1109325	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	566069	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	369834	47.79	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	95.58%		
50) 1,2-Dichloroethane-d4	8.549	65	396414	49.79	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	99.58%		
63) Toluene-d8	10.427	98	1367856	49.18	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	98.36%		
86) 4-Bromofluorobenzene	13.213	174	449684	49.61	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.22%		
Target Compounds						Qvalue
18) Methylene Chloride	5.866	49	5418	0.74	ug/L	92
21) trans-1,2-Dichloroethene	6.080	61	16962	2.17	ug/L	92
32) cis-1,2-Dichloroethene	7.470	96	31477	5.75	ug/L	97
53) Trichloroethene	9.012	95	13392	2.36	ug/L	88

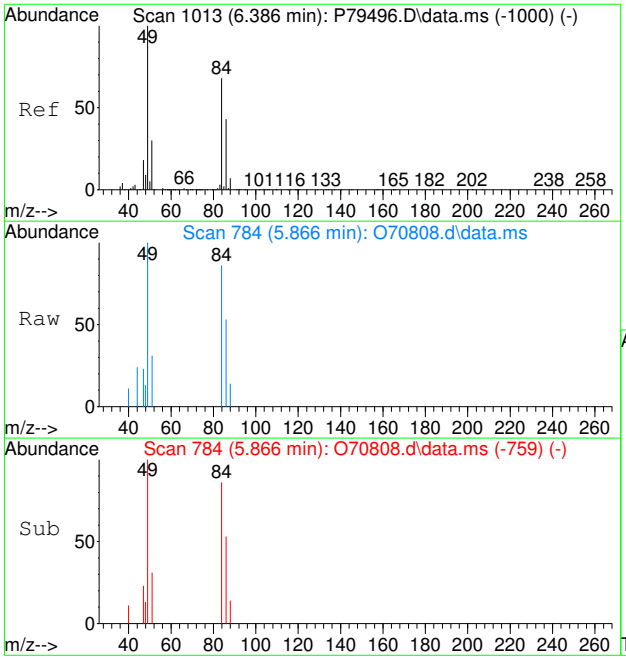
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70808.d
Acq On : 1 Sep 2022 4:04 pm
Operator : joannel
Sample : FA98431-2
Misc : MS52309,VO2808,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 02 01:37:01 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

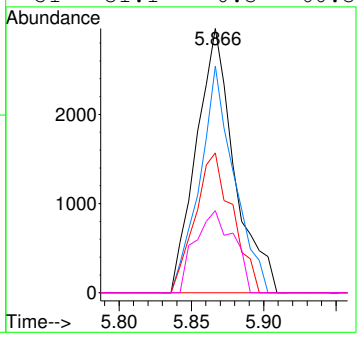


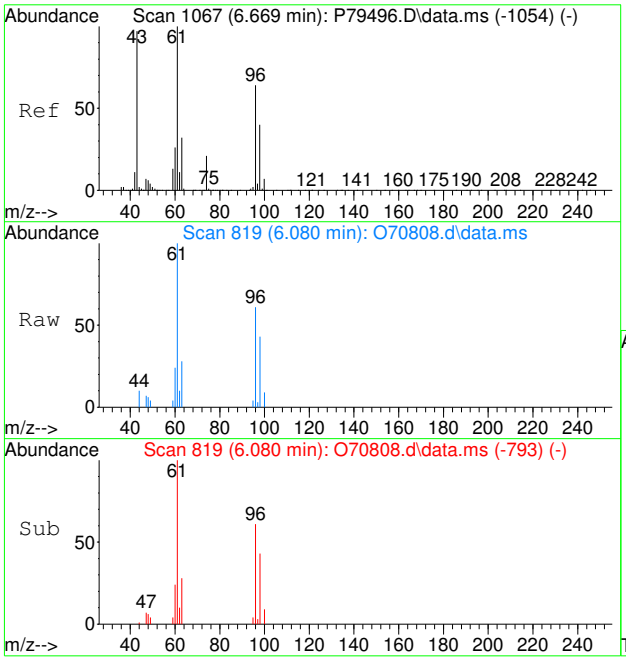


#18
Methylene Chloride
Concen: 0.74 ug/L
RT: 5.866 min Scan# 784
Delta R.T. 0.000 min
Lab File: O70808.d
Acq: 1 Sep 2022 4:04 pm

Tgt Ion: 49 Resp: 5418

Ion	Ratio	Lower	Upper
49	100		
84	85.7	44.6	104.6
86	53.0	20.5	80.5
51	31.1	0.3	60.3

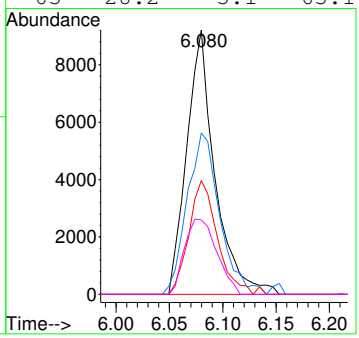


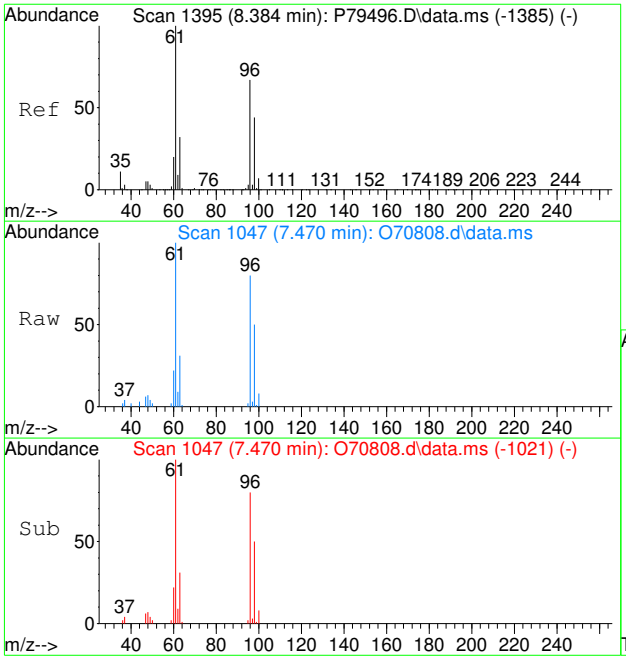


#21
trans-1,2-Dichloroethene
Concen: 2.17 ug/L
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: O70808.d
Acq: 1 Sep 2022 4:04 pm

Tgt Ion: 61 Resp: 16962

Ion	Ratio	Lower	Upper
61	100		
96	61.1	39.2	99.2
98	43.1	15.9	75.9
63	28.2	3.1	63.1

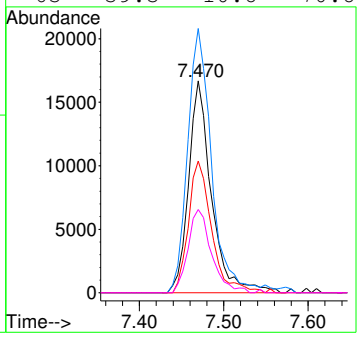


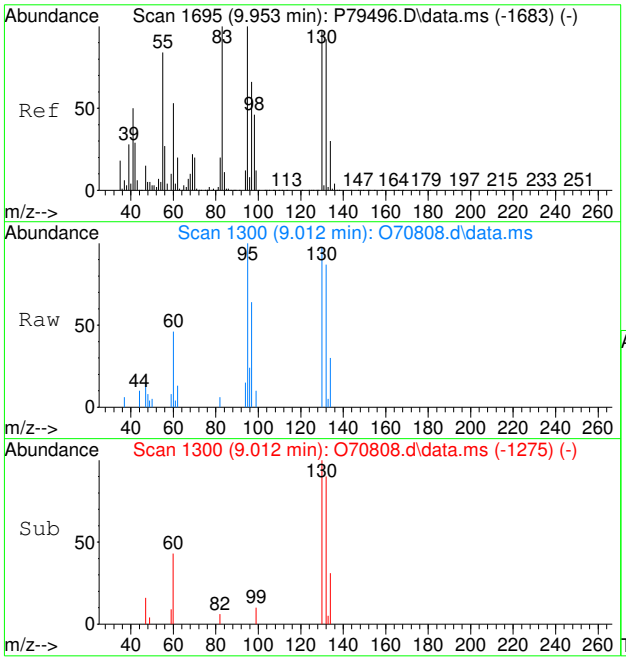


#32
cis-1,2-Dichloroethene
Concen: 5.75 ug/L
RT: 7.470 min Scan# 1047
Delta R.T. 0.006 min
Lab File: O70808.d
Acq: 1 Sep 2022 4:04 pm

Tgt Ion: 96 Resp: 31477

Ion	Ratio	Lower	Upper
96	100		
61	124.9	99.8	159.8
98	62.3	32.3	92.3
63	39.3	10.8	70.8

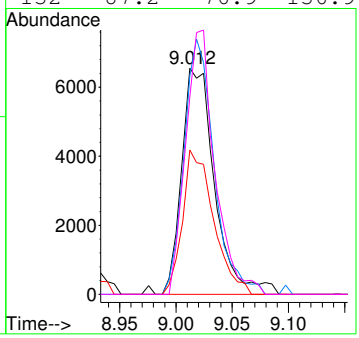




#53
Trichloroethene
Concen: 2.36 ug/L
RT: 9.012 min Scan# 1300
Delta R.T. 0.000 min
Lab File: O70808.d
Acq: 1 Sep 2022 4:04 pm

Tgt Ion: 95 Resp: 13392

Ion	Ratio	Lower	Upper
95	100		
130	96.6	76.0	136.0
97	63.8	37.2	97.2
132	87.2	76.9	136.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70809.d
Acq On : 1 Sep 2022 4:29 pm
Operator : joannel
Sample : FA98431-3
Misc : MS52309,VO2808,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 02 01:37:34 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

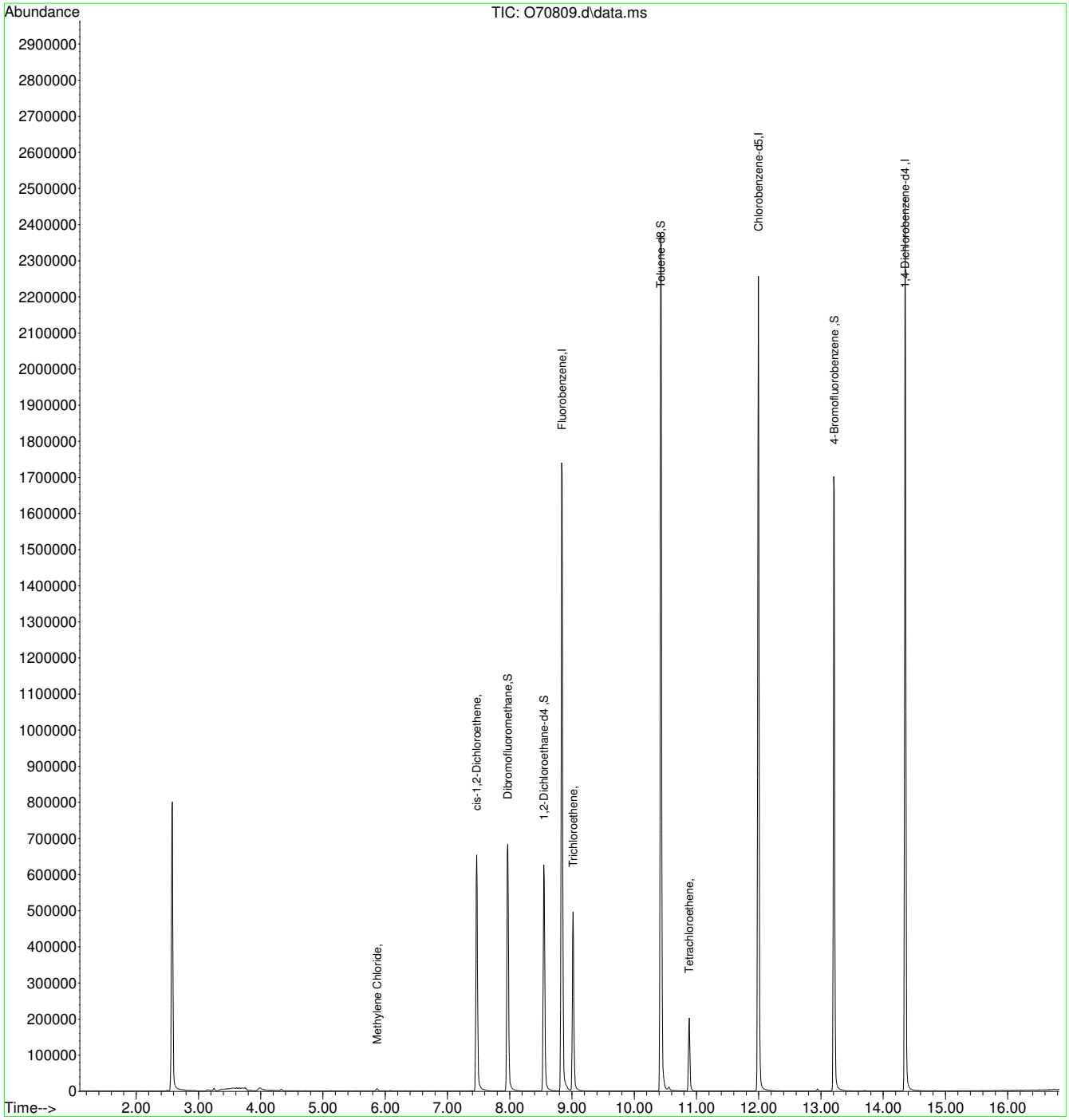
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		8.841	96	1409197	50.00	ug/L	0.00
62) Chlorobenzene-d5		11.993	117	1150275	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		14.352	152	589945	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		7.970	113	385360	48.44	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	96.88%		
50) 1,2-Dichloroethane-d4		8.549	65	420287	51.36	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	102.72%		
63) Toluene-d8		10.426	98	1405220	48.73	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	97.46%		
86) 4-Bromofluorobenzene		13.212	174	471360	49.90	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	99.80%		
Target Compounds							Qvalue
18) Methylene Chloride		5.872	49	4962	0.66	ug/L	92
32) cis-1,2-Dichloroethene		7.470	96	273042	47.66	ug/L	98
53) Trichloroethene		9.018	95	141391	23.93	ug/L	96
68) Tetrachloroethene		10.884	166	57270	7.75	ug/L	96

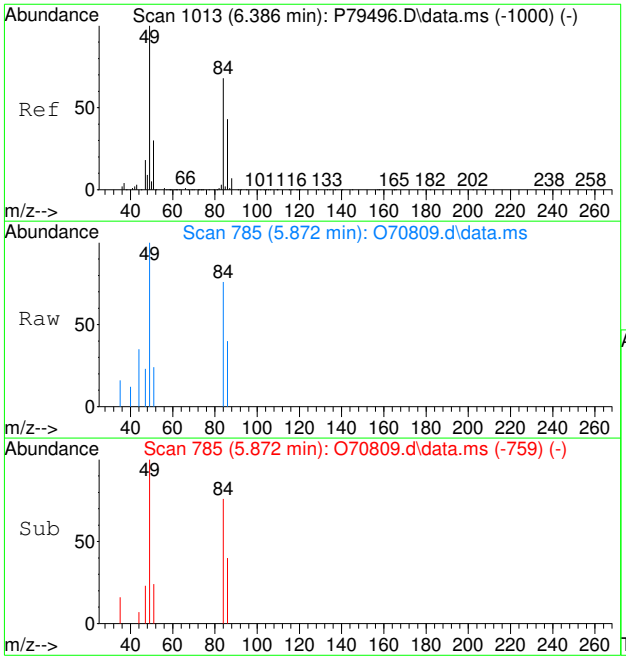
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70809.d
Acq On : 1 Sep 2022 4:29 pm
Operator : joannel
Sample : FA98431-3
Misc : MS52309,VO2808,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 02 01:37:34 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

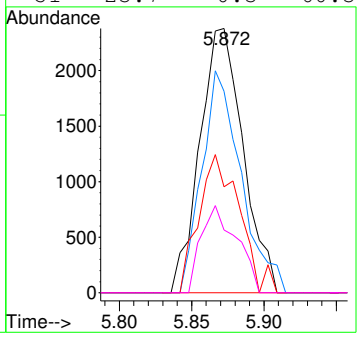


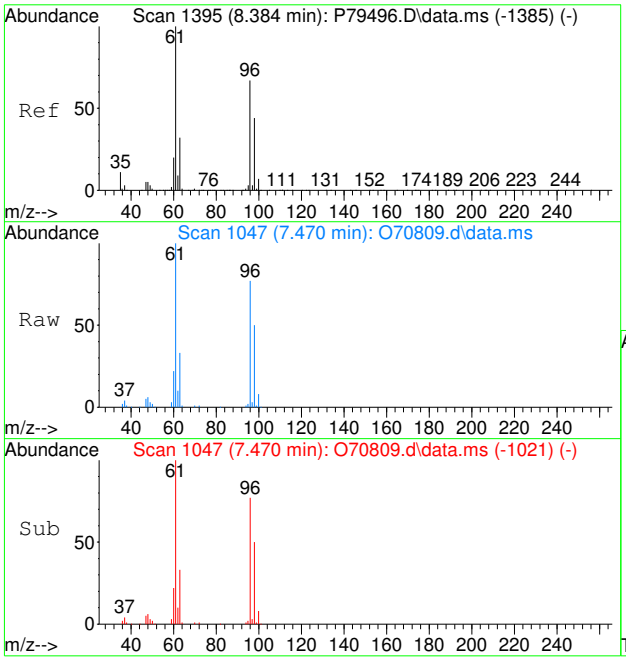


#18
Methylene Chloride
Concen: 0.66 ug/L
RT: 5.872 min Scan# 785
Delta R.T. 0.006 min
Lab File: O70809.d
Acq: 1 Sep 2022 4:29 pm

Tgt Ion: 49 Resp: 4962

Ion	Ratio	Lower	Upper
49	100		
84	76.3	44.6	104.6
86	40.1	20.5	80.5
51	23.7	0.3	60.3

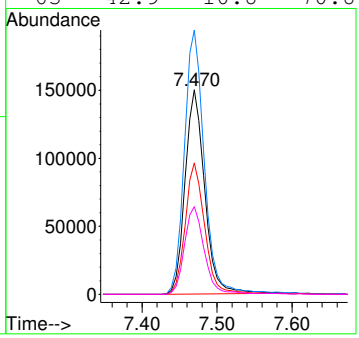


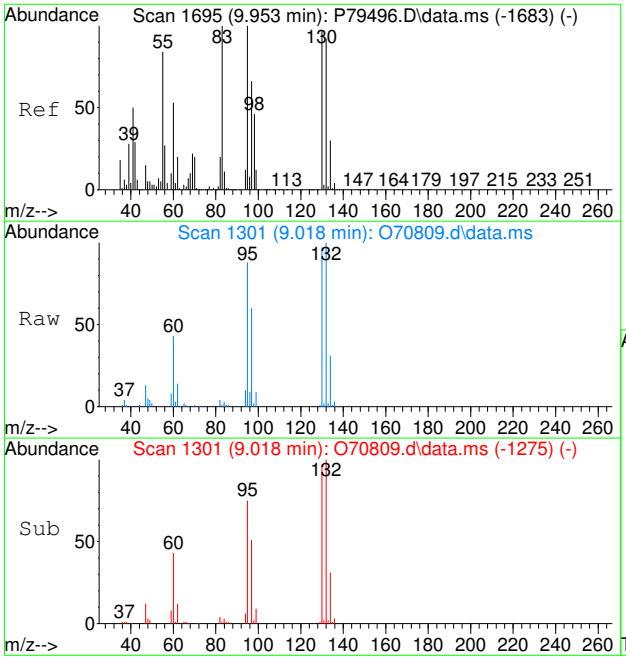


#32
cis-1,2-Dichloroethene
Concen: 47.66 ug/L
RT: 7.470 min Scan# 1047
Delta R.T. 0.006 min
Lab File: O70809.d
Acq: 1 Sep 2022 4:29 pm

Tgt Ion: 96 Resp: 273042

Ion	Ratio	Lower	Upper
96	100		
61	129.2	99.8	159.8
98	64.2	32.3	92.3
63	42.9	10.8	70.8

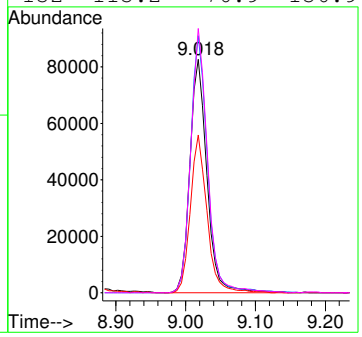


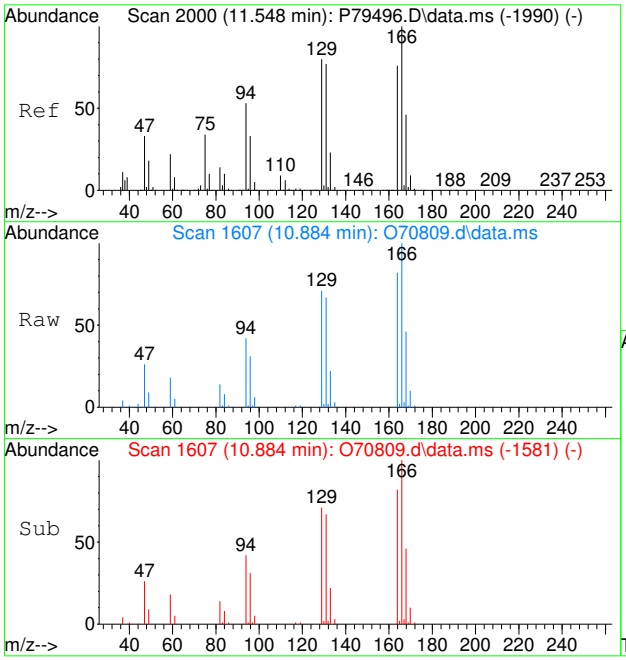


#53
Trichloroethene
Concen: 23.93 ug/L
RT: 9.018 min Scan# 1301
Delta R.T. 0.006 min
Lab File: O70809.d
Acq: 1 Sep 2022 4:29 pm

Tgt Ion: 95 Resp: 141391

Ion	Ratio	Lower	Upper
95	100		
130	110.1	76.0	136.0
97	67.6	37.2	97.2
132	113.2	76.9	136.9

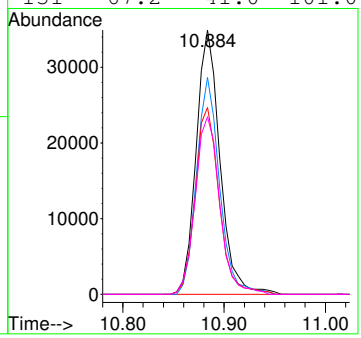




#68
Tetrachloroethene
Concen: 7.75 ug/L
RT: 10.884 min Scan# 1607
Delta R.T. 0.006 min
Lab File: O70809.d
Acq: 1 Sep 2022 4:29 pm

Tgt Ion:166 Resp: 57270

Ion	Ratio	Lower	Upper
166	100		
164	82.0	47.9	107.9
129	70.7	43.5	103.5
131	67.2	41.0	101.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70810.d
Acq On : 1 Sep 2022 4:54 pm
Operator : joannel
Sample : FA98431-4
Misc : MS52309,VO2808,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 02 01:38:01 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

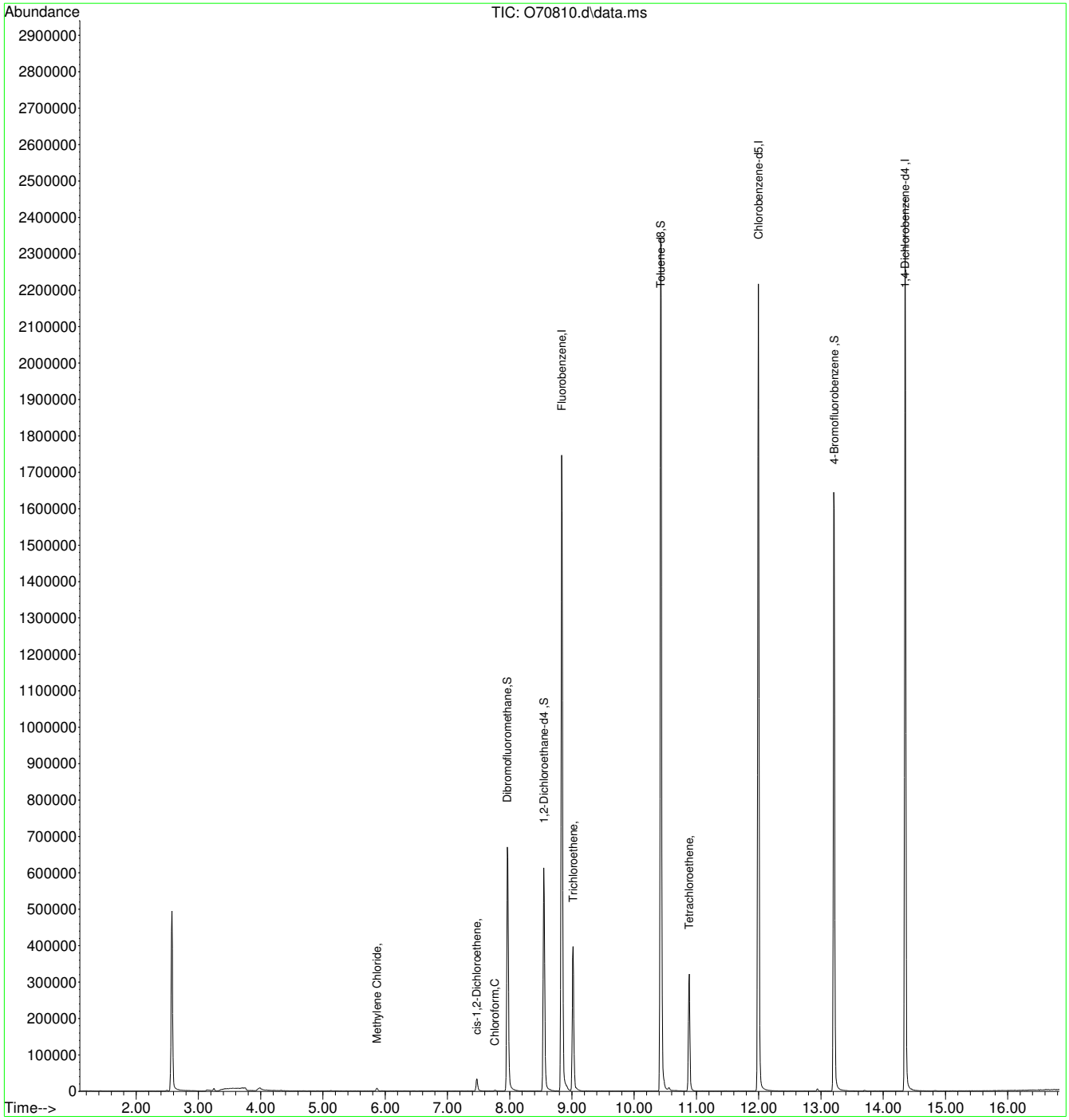
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		8.835	96	1381503	50.00	ug/L	0.00
62) Chlorobenzene-d5		11.993	117	1127121	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		14.353	152	575086	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		7.964	113	374293	47.99	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	95.98%		
50) 1,2-Dichloroethane-d4		8.549	65	402683	50.19	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	100.38%		
63) Toluene-d8		10.427	98	1380239	48.84	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	97.68%		
86) 4-Bromofluorobenzene		13.213	174	453863	49.29	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	98.58%		
Target Compounds							Qvalue
18) Methylene Chloride		5.866	49	5442	0.74	ug/L	87
32) cis-1,2-Dichloroethene		7.470	96	16971	3.08	ug/L	97
36) Chloroform		7.762	83	2251	0.22	ug/L	93
53) Trichloroethene		9.018	95	117568	20.35	ug/L	97
68) Tetrachloroethene		10.884	166	90697	12.52	ug/L	98

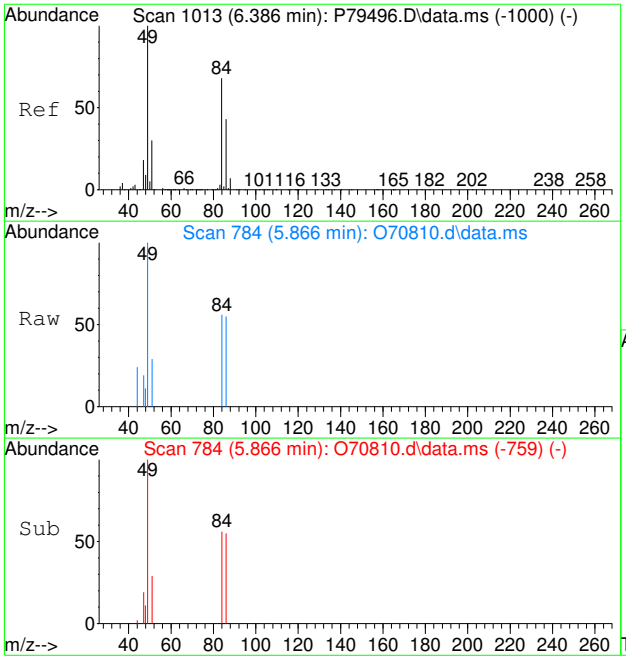
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70810.d
Acq On : 1 Sep 2022 4:54 pm
Operator : joannel
Sample : FA98431-4
Misc : MS52309,VO2808,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 02 01:38:01 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

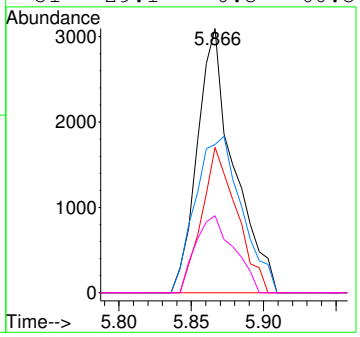


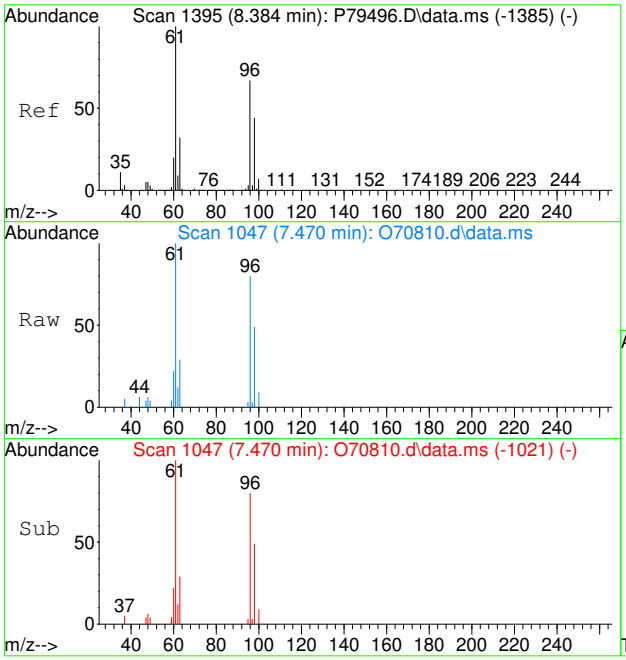


#18
Methylene Chloride
Concen: 0.74 ug/L
RT: 5.866 min Scan# 784
Delta R.T. 0.000 min
Lab File: O70810.d
Acq: 1 Sep 2022 4:54 pm

Tgt Ion: 49 Resp: 5442

Ion	Ratio	Lower	Upper
49	100		
84	56.1	44.6	104.6
86	55.0	20.5	80.5
51	29.1	0.3	60.3

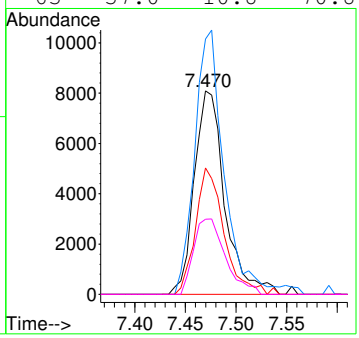


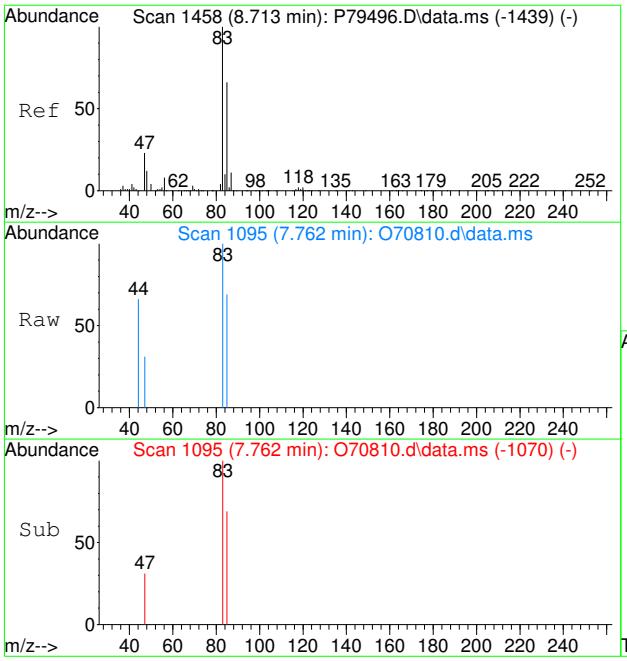


#32
cis-1,2-Dichloroethene
Concen: 3.08 ug/L
RT: 7.470 min Scan# 1047
Delta R.T. 0.006 min
Lab File: O70810.d
Acq: 1 Sep 2022 4:54 pm

Tgt Ion: 96 Resp: 16971

Ion	Ratio	Lower	Upper
96	100		
61	125.5	99.8	159.8
98	62.1	32.3	92.3
63	37.0	10.8	70.8

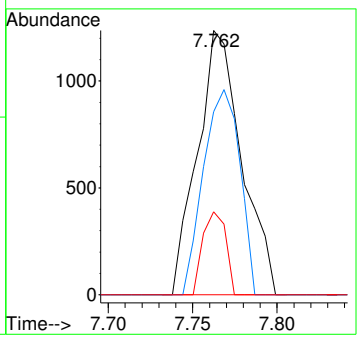


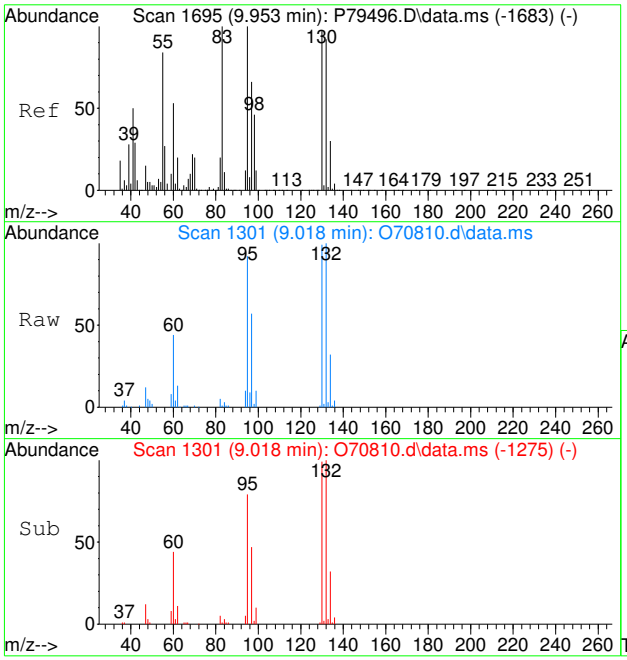


#36
Chloroform
Concen: 0.22 ug/L
RT: 7.762 min Scan# 1095
Delta R.T. 0.000 min
Lab File: O70810.d
Acq: 1 Sep 2022 4:54 pm

Tgt Ion: 83 Resp: 2251

Ion	Ratio	Lower	Upper
83	100		
85	69.2	35.3	95.3
47	31.4	0.0	54.9

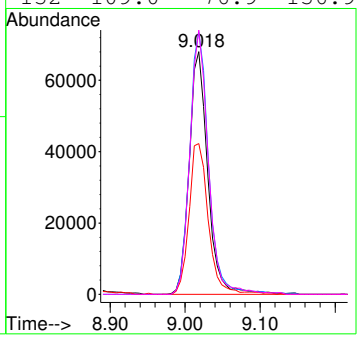


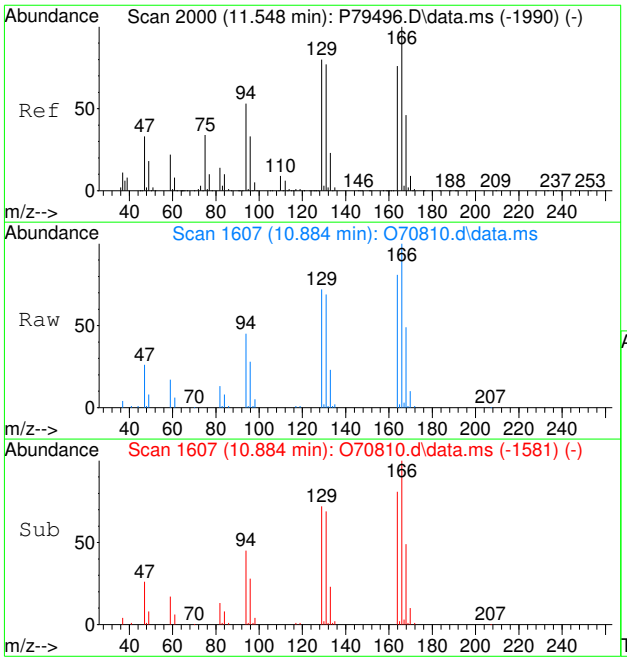


#53
Trichloroethene
Concen: 20.35 ug/L
RT: 9.018 min Scan# 1301
Delta R.T. 0.006 min
Lab File: O70810.d
Acq: 1 Sep 2022 4:54 pm

Tgt Ion: 95 Resp: 117568

Ion	Ratio	Lower	Upper
95	100		
130	108.3	76.0	136.0
97	62.2	37.2	97.2
132	109.0	76.9	136.9

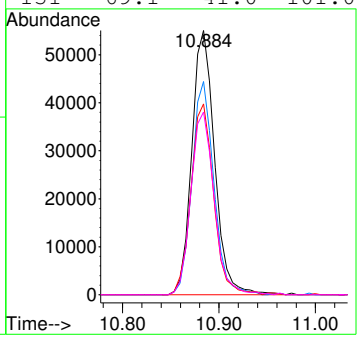




#68
Tetrachloroethene
Concen: 12.52 ug/L
RT: 10.884 min Scan# 1607
Delta R.T. 0.006 min
Lab File: O70810.d
Acq: 1 Sep 2022 4:54 pm

Tgt Ion:166 Resp: 90697

Ion	Ratio	Lower	Upper
166	100		
164	80.6	47.9	107.9
129	72.2	43.5	103.5
131	69.1	41.0	101.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70811.d
Acq On : 1 Sep 2022 5:19 pm
Operator : joannel
Sample : FA98431-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 02 01:38:37 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

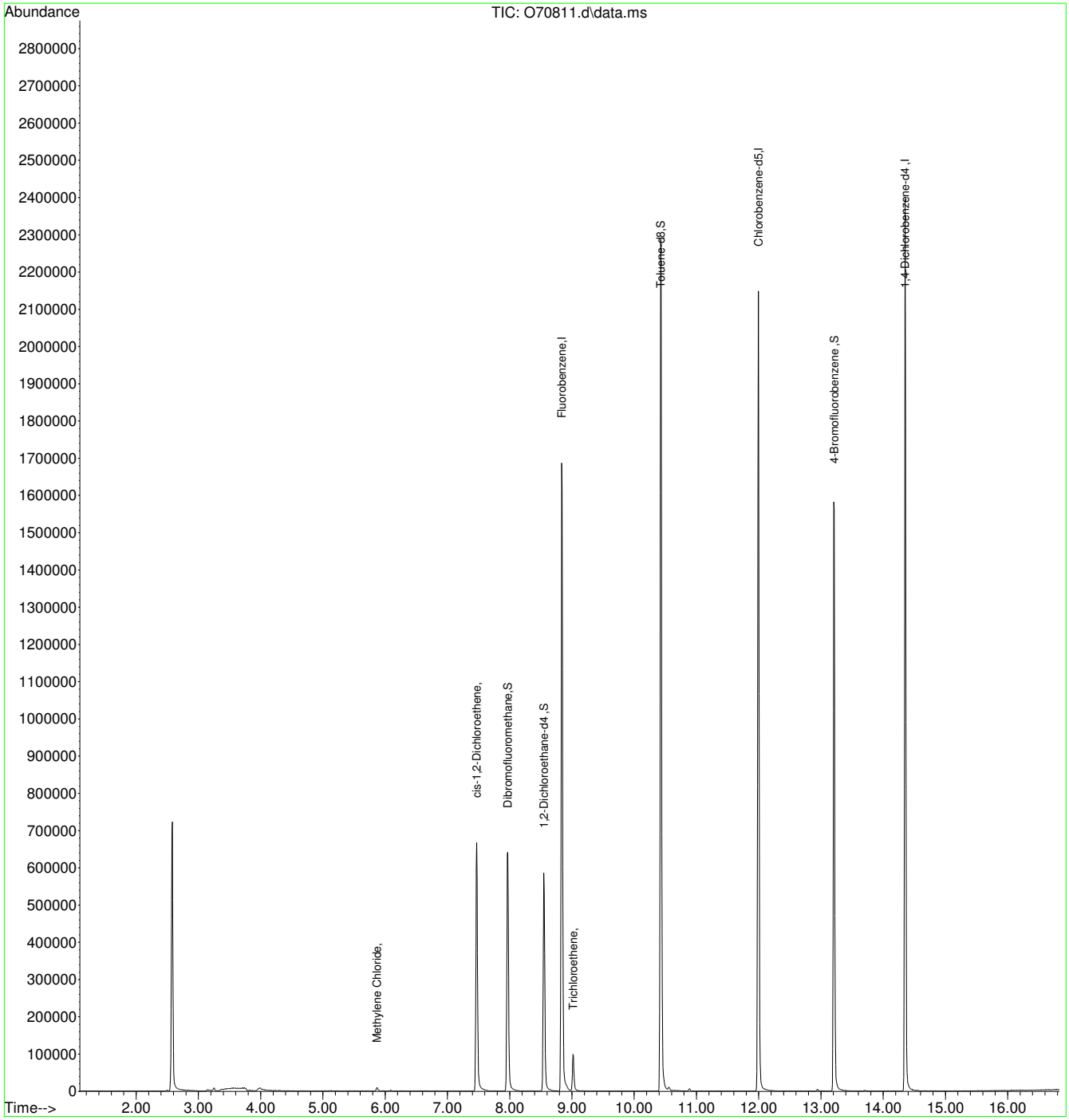
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1364232	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1092761	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	559047	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.970	113	368729	47.88	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.76%			
50) 1,2-Dichloroethane-d4	8.549	65	387937	48.97	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.94%			
63) Toluene-d8	10.426	98	1354082	49.43	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.86%			
86) 4-Bromofluorobenzene	13.213	174	442614	49.44	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.88%			
Target Compounds						Qvalue
18) Methylene Chloride	5.866	49	5956	0.82	ug/L	96
32) cis-1,2-Dichloroethene	7.470	96	272281	49.07	ug/L	94
53) Trichloroethene	9.018	95	30018	5.31	ug/L	99

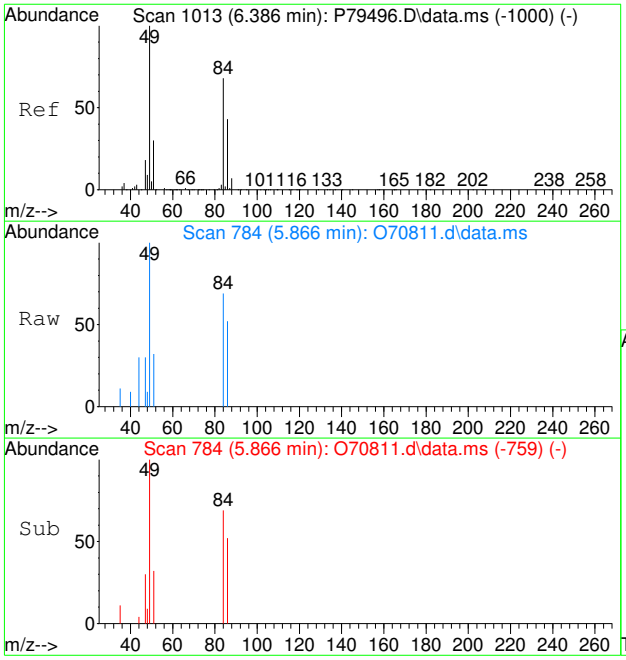
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70811.d
Acq On : 1 Sep 2022 5:19 pm
Operator : joannel
Sample : FA98431-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 02 01:38:37 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

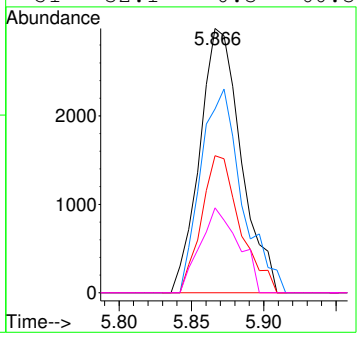


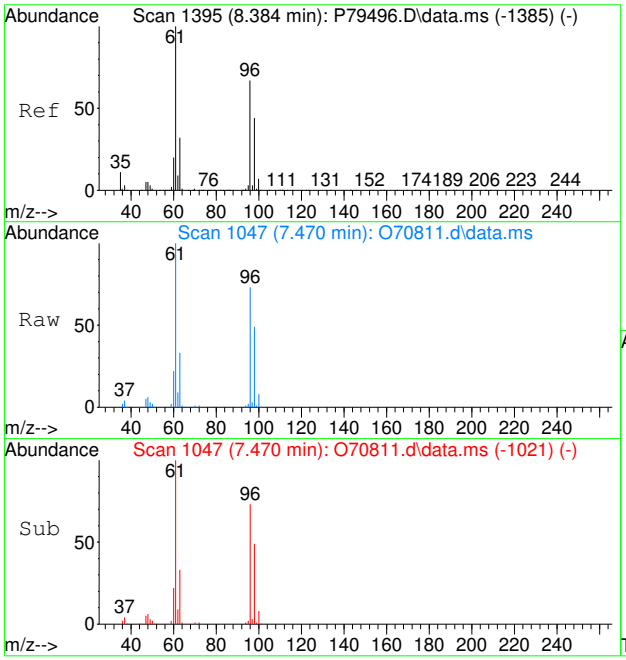


#18
Methylene Chloride
Concen: 0.82 ug/L
RT: 5.866 min Scan# 784
Delta R.T. 0.000 min
Lab File: O70811.d
Acq: 1 Sep 2022 5:19 pm

Tgt Ion: 49 Resp: 5956

Ion	Ratio	Lower	Upper
49	100		
84	69.5	44.6	104.6
86	51.9	20.5	80.5
51	32.1	0.3	60.3

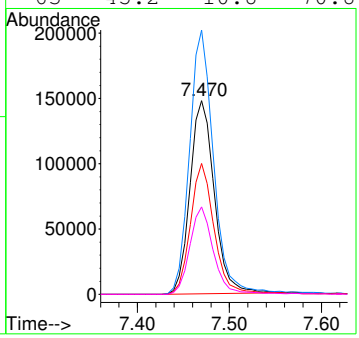


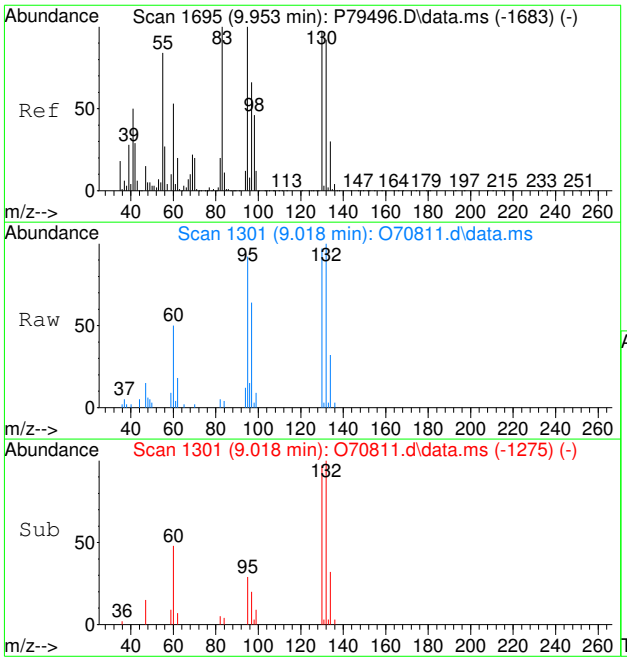


#32
cis-1,2-Dichloroethene
Concen: 49.07 ug/L
RT: 7.470 min Scan# 1047
Delta R.T. 0.006 min
Lab File: O70811.d
Acq: 1 Sep 2022 5:19 pm

Tgt Ion: 96 Resp: 272281

Ion	Ratio	Lower	Upper
96	100		
61	136.4	99.8	159.8
98	67.5	32.3	92.3
63	45.2	10.8	70.8

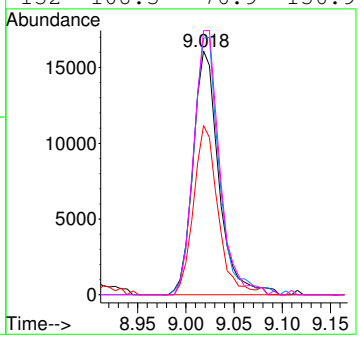




#53
Trichloroethene
Concen: 5.31 ug/L
RT: 9.018 min Scan# 1301
Delta R.T. 0.006 min
Lab File: O70811.d
Acq: 1 Sep 2022 5:19 pm

Tgt Ion: 95 Resp: 30018

Ion	Ratio	Lower	Upper
95	100		
130	105.2	76.0	136.0
97	69.4	37.2	97.2
132	108.3	76.9	136.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92673.D
Acq On : 6 Sep 2022 3:50 pm
Operator : courtnef
Sample : FA98431-6
Misc : MS52327,V2P3568,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Sep 07 02:02:02 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

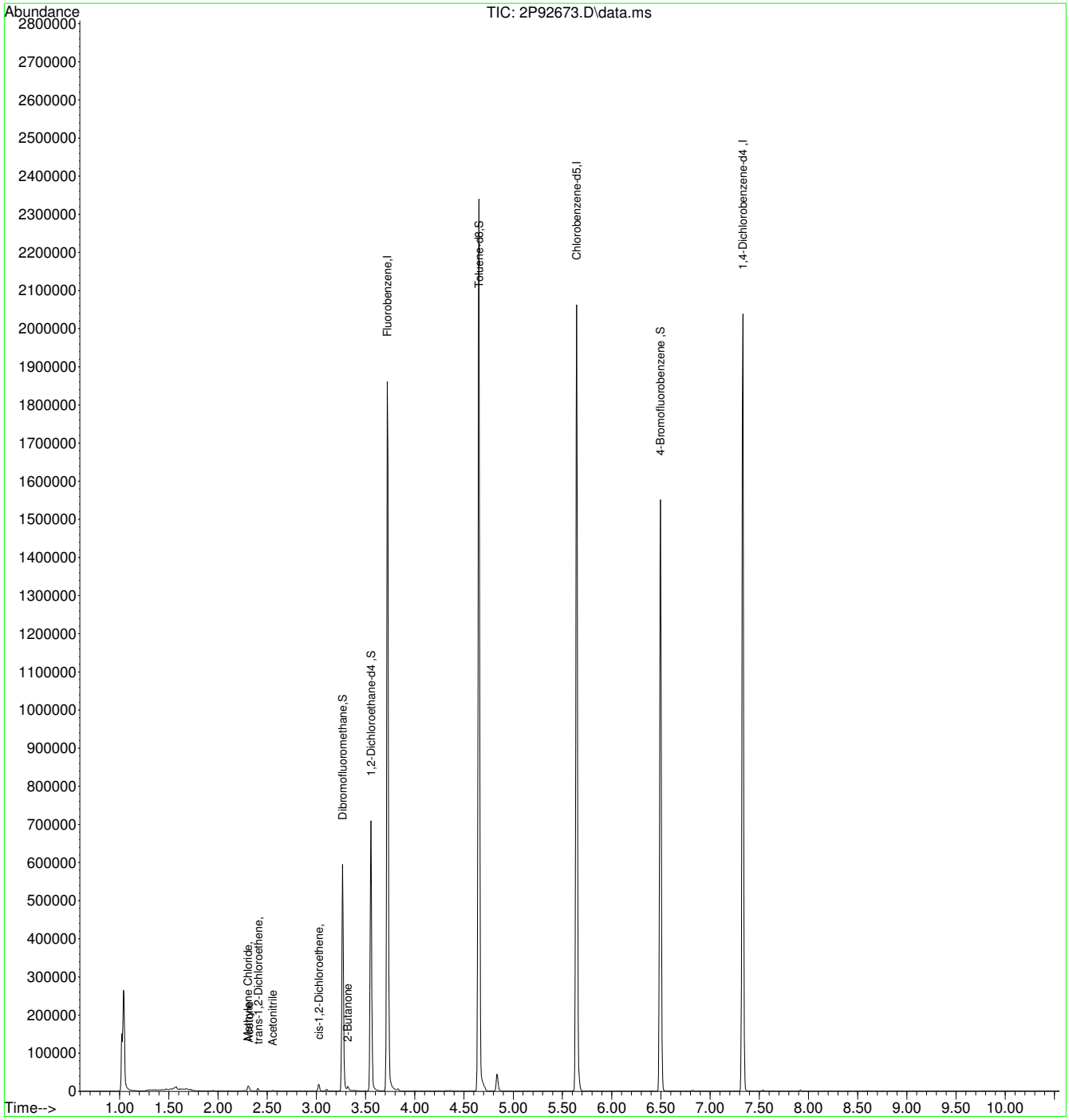
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.721	96	1040171	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.645	117	772796	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	362466	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.266	113	209557	47.40	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.80%			
49) 1,2-Dichloroethane-d4	3.554	65	304913	49.66	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.32%			
63) Toluene-d8	4.652	98	1025998	48.25	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.50%			
86) 4-Bromofluorobenzene	6.497	174	277859	49.15	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.30%			
Target Compounds						Qvalue
18) Methylene Chloride	2.304	49	4608	0.82	ug/L	93
19) Acetone	2.315	43	4466	1.83	ug/L	94
21) trans-1,2-Dichloroethene	2.409	61	2188	0.44	ug/L	93
25) Acetonitrile	2.555	41	1480	1.85	ug/L	91
32) cis-1,2-Dichloroethene	3.026	96	5101	1.30	ug/L	96
42) 2-Butanone	3.318	43	7470	1.84	ug/L	90

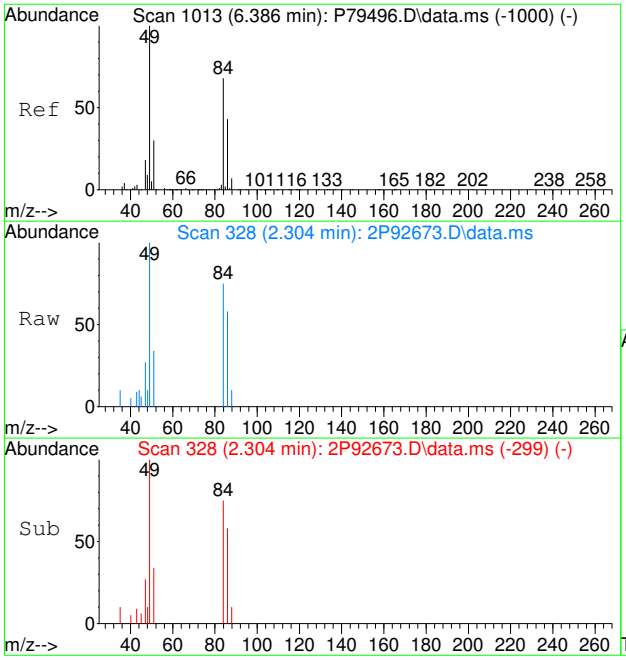
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92673.D
Acq On : 6 Sep 2022 3:50 pm
Operator : courtnef
Sample : FA98431-6
Misc : MS52327,V2P3568,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Sep 07 02:02:02 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

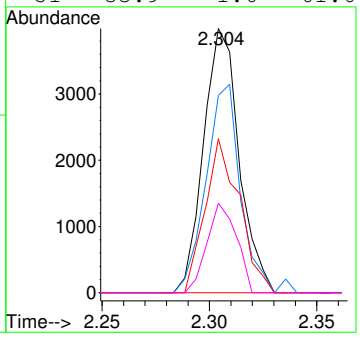


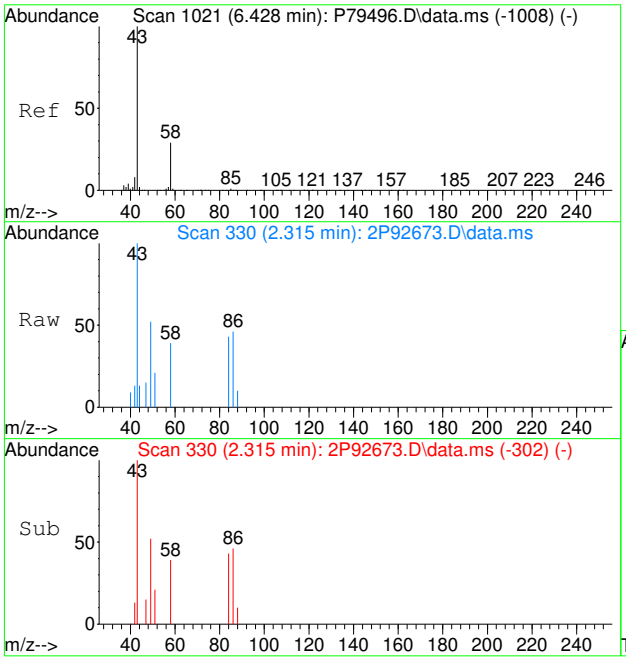


#18
Methylene Chloride
Concen: 0.82 ug/L
RT: 2.304 min Scan# 328
Delta R.T. 0.001 min
Lab File: 2P92673.D
Acq: 6 Sep 2022 3:50 pm

Tgt Ion: 49 Resp: 4608

Ion	Ratio	Lower	Upper
49	100		
84	74.6	52.0	112.0
86	58.3	23.9	83.9
51	33.9	1.6	61.6

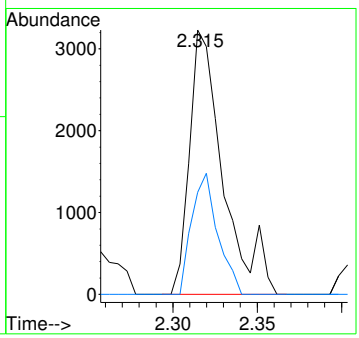


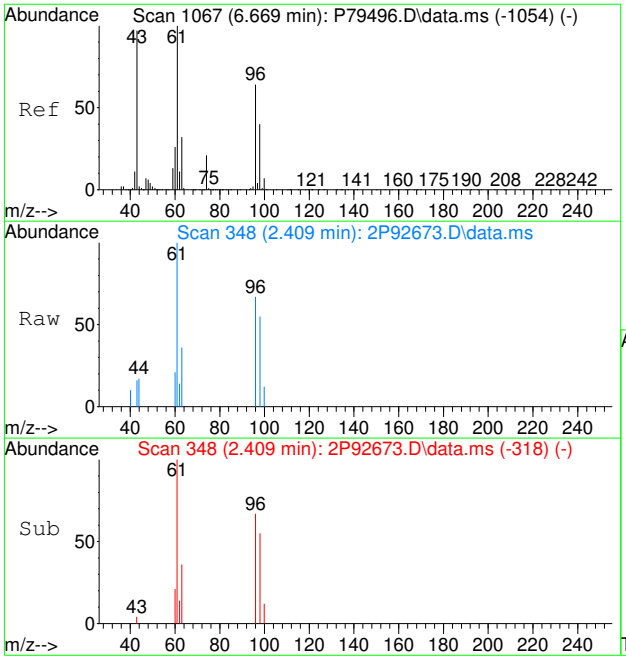


#19
Acetone
Concen: 1.83 ug/L
RT: 2.315 min Scan# 330
Delta R.T. -0.003 min
Lab File: 2P92673.D
Acq: 6 Sep 2022 3:50 pm

Tgt Ion: 43 Resp: 4466

Ion	Ratio	Lower	Upper
43	100		
58	38.6	5.0	65.0

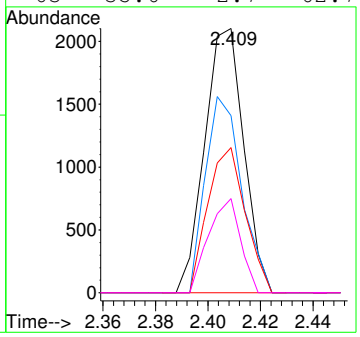


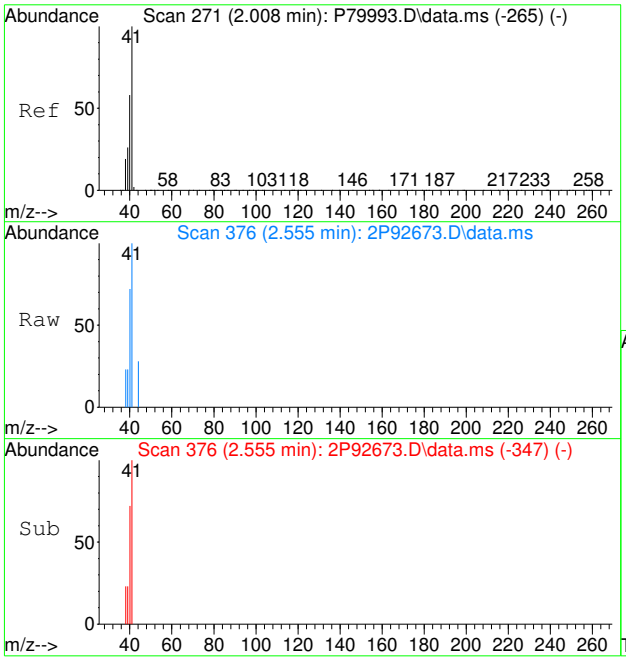


#21
trans-1,2-Dichloroethene
Concen: 0.44 ug/L
RT: 2.409 min Scan# 348
Delta R.T. 0.006 min
Lab File: 2P92673.D
Acq: 6 Sep 2022 3:50 pm

Tgt Ion: 61 Resp: 2188

Ion	Ratio	Lower	Upper
61	100		
96	67.0	40.1	100.1
98	54.9	15.3	75.3
63	35.6	2.7	62.7

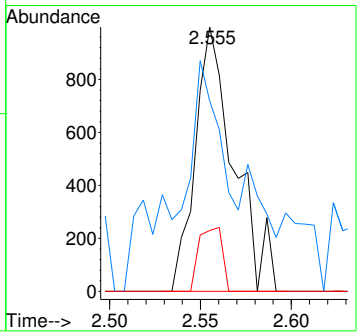


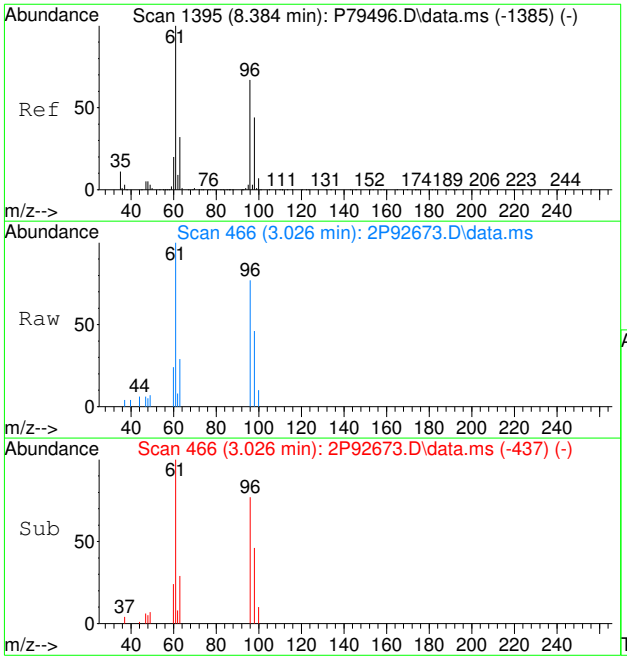


#25
Acetonitrile
Concen: 1.85 ug/L
RT: 2.555 min Scan# 376
Delta R.T. 0.001 min
Lab File: 2P92673.D
Acq: 6 Sep 2022 3:50 pm

Tgt Ion: 41 Resp: 1480

Ion	Ratio	Lower	Upper
41	100		
40	42.3	29.8	69.8
39	23.0	0.5	40.5

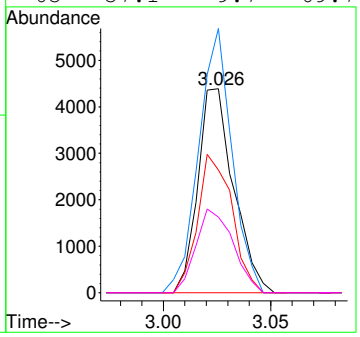


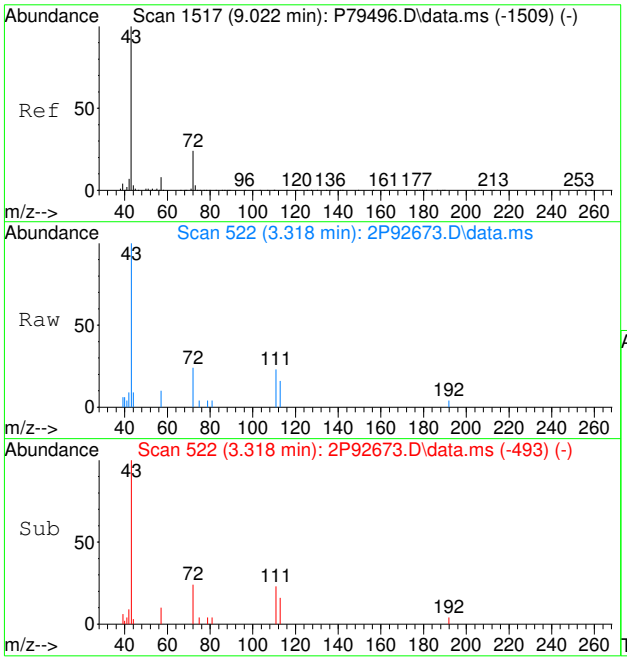


#32
cis-1,2-Dichloroethene
Concen: 1.30 ug/L
RT: 3.026 min Scan# 466
Delta R.T. 0.001 min
Lab File: 2P92673.D
Acq: 6 Sep 2022 3:50 pm

Tgt Ion: 96 Resp: 5101

Ion	Ratio	Lower	Upper
96	100		
61	129.5	93.5	153.5
98	60.2	32.1	92.1
63	37.1	9.7	69.7

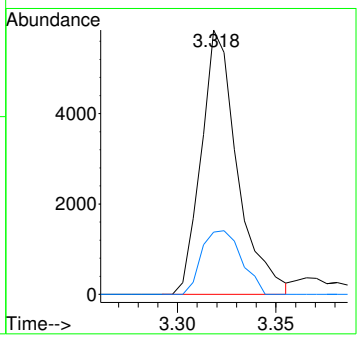




#42
2-Butanone
Concen: 1.84 ug/L
RT: 3.318 min Scan# 522
Delta R.T. 0.001 min
Lab File: 2P92673.D
Acq: 6 Sep 2022 3:50 pm

Tgt Ion: 43 Resp: 7470

Ion	Ratio	Lower	Upper
43	100		
72	23.5	0.0	58.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70812.d
Acq On : 1 Sep 2022 5:44 pm
Operator : joannel
Sample : FA98431-7
Misc : MS52309,VO2808,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 02 01:38:52 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

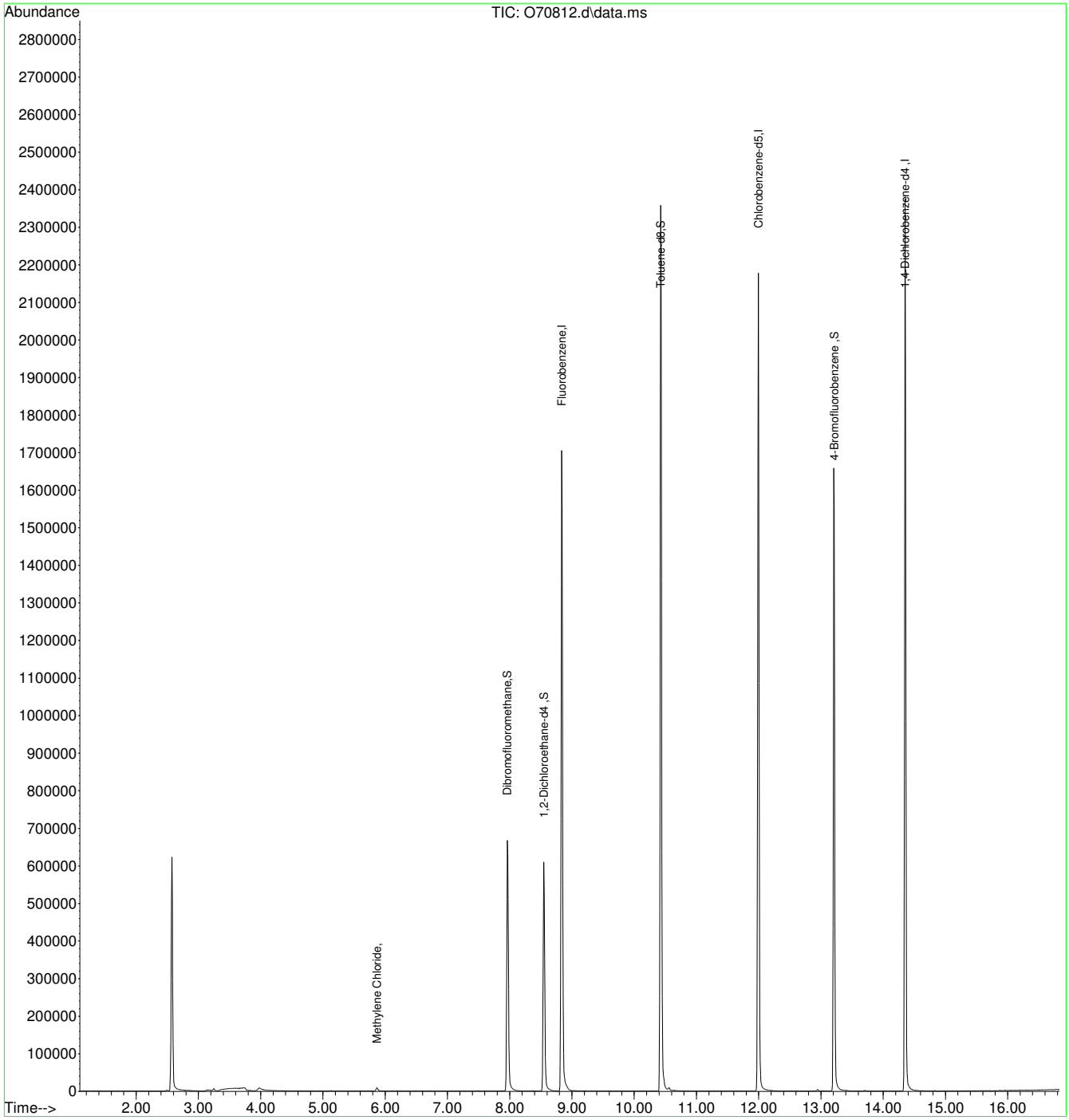
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1363283	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1108199	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	562471	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	370442	48.13	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.26%			
50) 1,2-Dichloroethane-d4	8.549	65	400212	50.55	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.10%			
63) Toluene-d8	10.426	98	1360708	48.98	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.96%			
86) 4-Bromofluorobenzene	13.212	174	450904	50.06	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.12%			
Target Compounds						Qvalue
18) Methylene Chloride	5.866	49	5791	0.80	ug/L	83

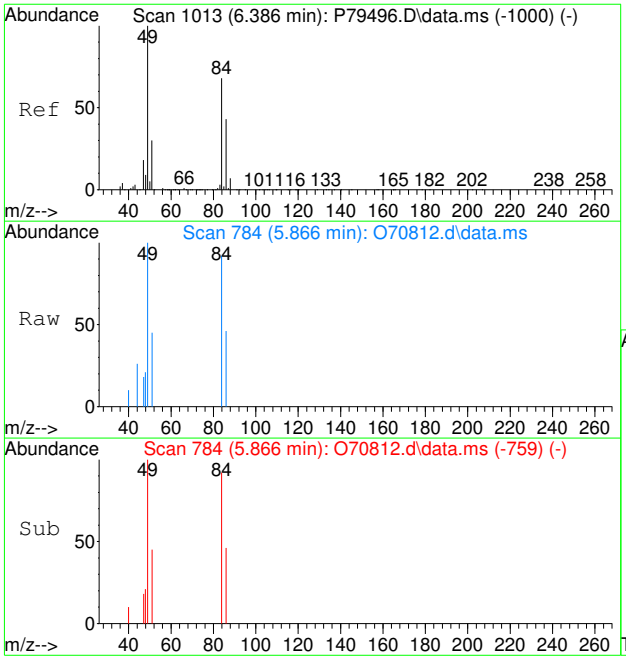
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70812.d
Acq On : 1 Sep 2022 5:44 pm
Operator : joannel
Sample : FA98431-7
Misc : MS52309,VO2808,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 02 01:38:52 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

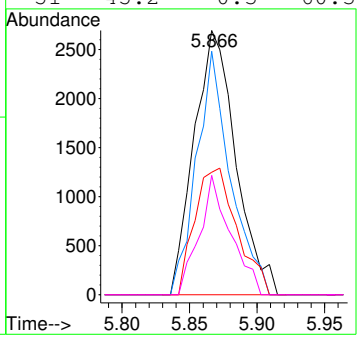




#18
Methylene Chloride
Concen: 0.80 ug/L
RT: 5.866 min Scan# 784
Delta R.T. 0.000 min
Lab File: O70812.d
Acq: 1 Sep 2022 5:44 pm

Tgt Ion: 49 Resp: 5791

Ion	Ratio	Lower	Upper
49	100		
84	92.1	44.6	104.6
86	46.3	20.5	80.5
51	45.2	0.3	60.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92619.D
Acq On : 1 Sep 2022 5:53 pm
Operator : courtnef
Sample : FA98431-8
Misc : MS52315,V2P3567,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Sep 02 02:35:52 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

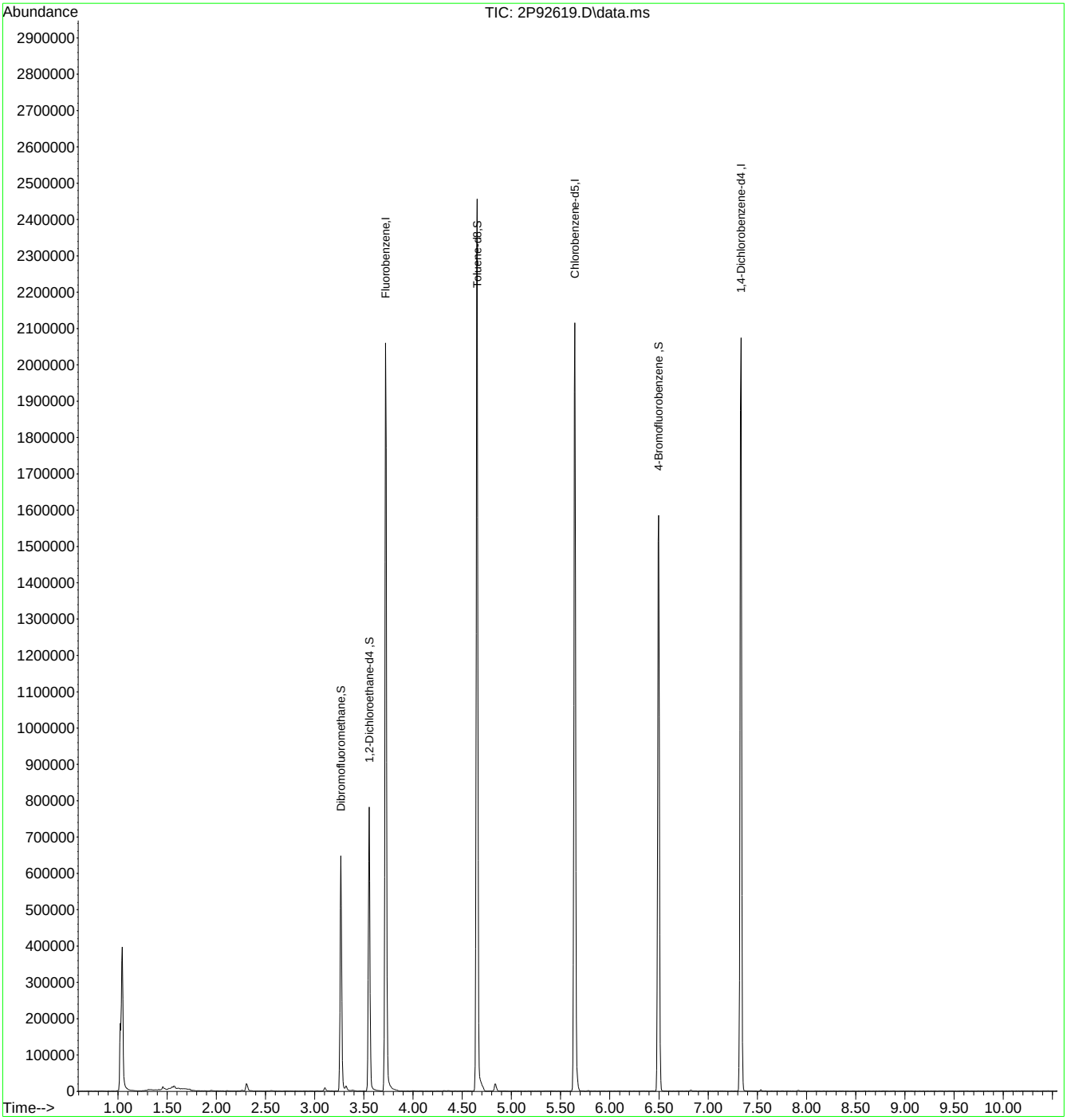
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.721	96	1139815	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.645	117	809003	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.334	152	374187	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.266	113	229741	47.42	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.84%			
49) 1,2-Dichloroethane-d4	3.554	65	337846	50.21	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.42%			
63) Toluene-d8	4.652	98	1092785	49.09	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.18%			
86) 4-Bromofluorobenzene	6.497	174	288887	49.50	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92619.D
Acq On : 1 Sep 2022 5:53 pm
Operator : courtnef
Sample : FA98431-8
Misc : MS52315,V2P3567,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Sep 02 02:35:52 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92621.D
Acq On : 1 Sep 2022 6:26 pm
Operator : courtnef
Sample : FA98431-9
Misc : MS52315,V2P3567,,,,,
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Sep 02 02:37:36 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

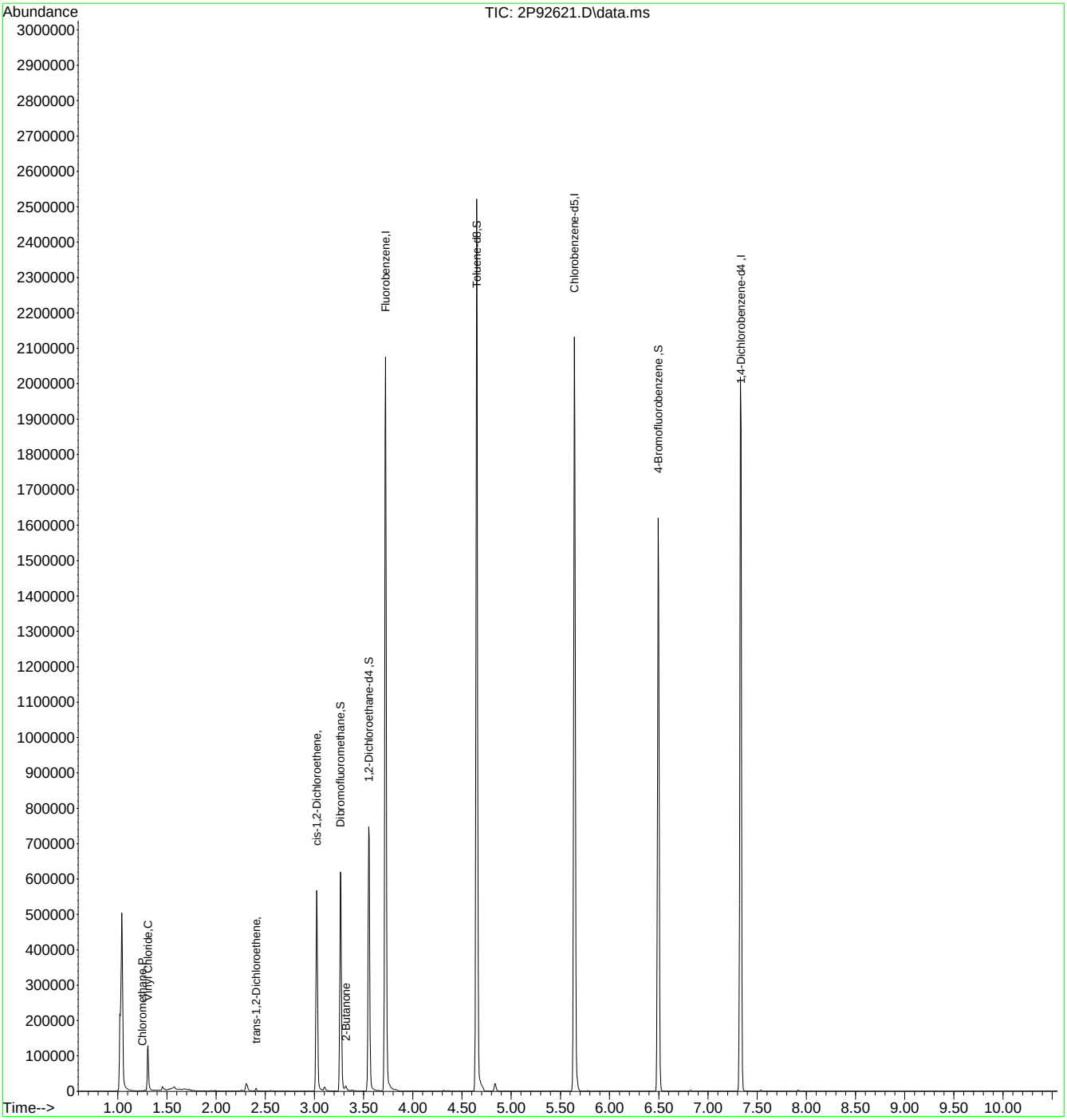
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.723	96	1132066	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.642	117	794902	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.336	152	366106	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.263	113	227682	47.32	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.64%			
49) 1,2-Dichloroethane-d4	3.551	65	334336	50.03	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.06%			
63) Toluene-d8	4.649	98	1089997	49.83	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.66%			
86) 4-Bromofluorobenzene	6.494	174	282817	49.53	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.06%			
Target Compounds						Qvalue
3) Chloromethane	1.250	50	1079	0.31	ug/L	88
5) Vinyl Chloride	1.308	62	74197	17.63	ug/L	97
21) trans-1,2-Dichloroethene	2.406	61	2062	0.38	ug/L	95
32) cis-1,2-Dichloroethene	3.023	96	151115	35.34	ug/L	95
42) 2-Butanone	3.321	43	9657	2.19	ug/L	97

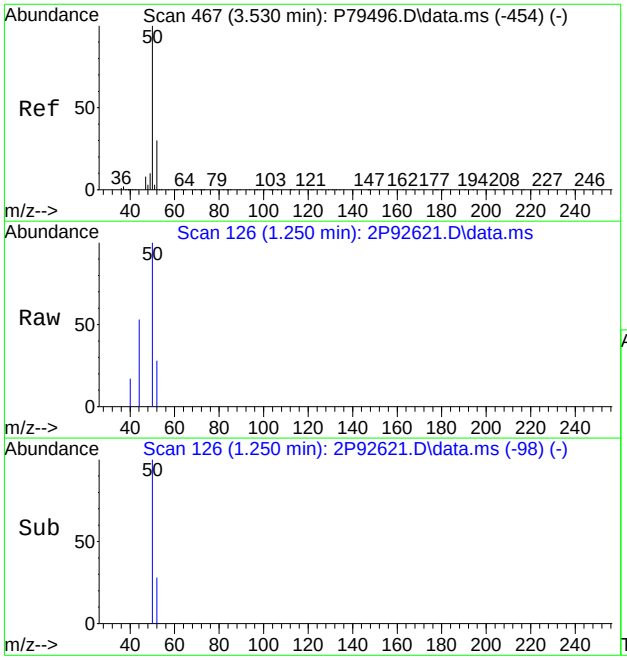
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92621.D
Acq On : 1 Sep 2022 6:26 pm
Operator : courtnef
Sample : FA98431-9
Misc : MS52315,V2P3567,,,,,
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Sep 02 02:37:36 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

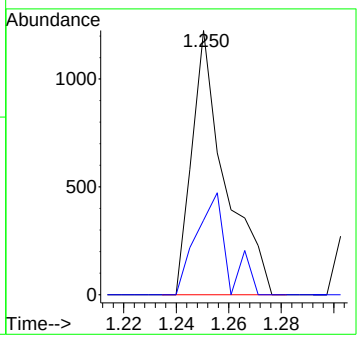


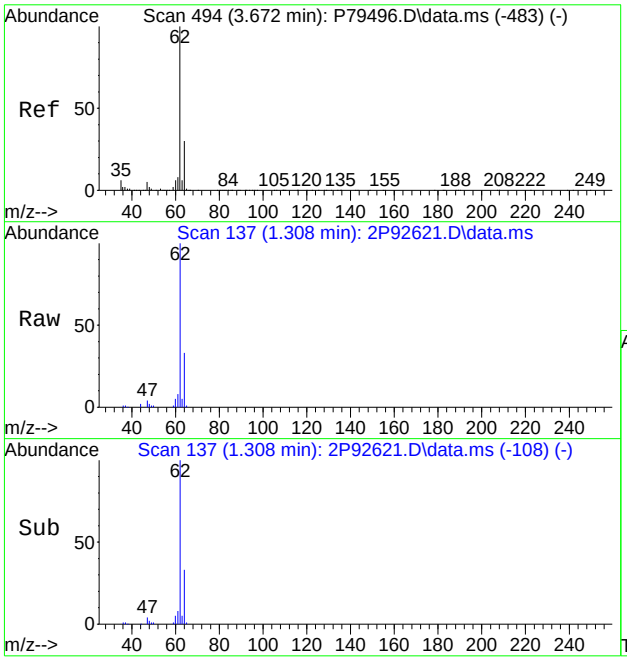


#3
Chloromethane
Concen: 0.31 ug/L
RT: 1.250 min Scan# 126
Delta R.T. -0.002 min
Lab File: 2P92621.D
Acq: 1 Sep 2022 6:26 pm

Tgt Ion: 50 Resp: 1079

Ion	Ratio	Lower	Upper
50	100		
52	28.2	5.5	65.5

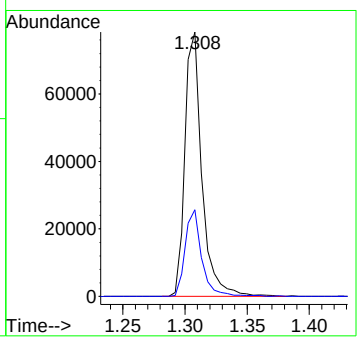


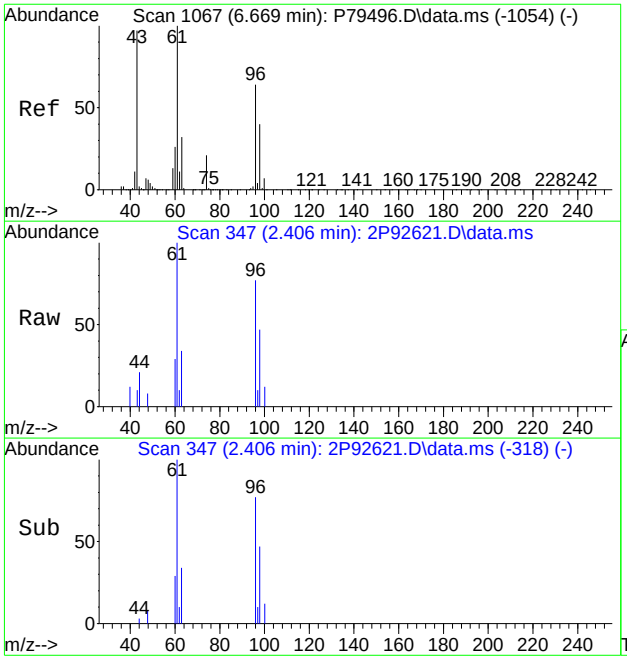


#5
Vinyl Chloride
Concen: 17.63 ug/L
RT: 1.308 min Scan# 137
Delta R.T. 0.003 min
Lab File: 2P92621.D
Acq: 1 Sep 2022 6:26 pm

Tgt Ion: 62 Resp: 74197

Ion	Ratio	Lower	Upper
62	100		
64	32.7	1.3	61.3

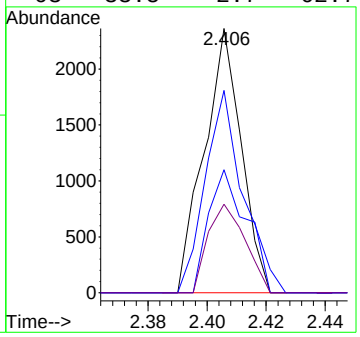


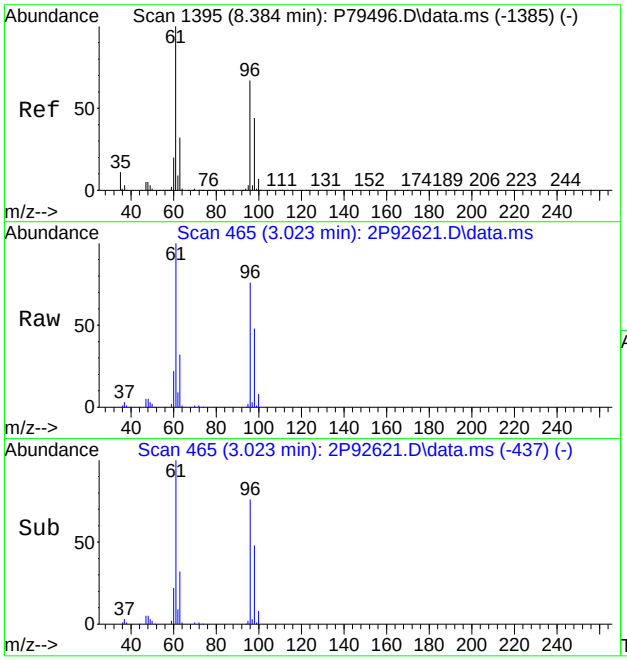


#21
trans-1,2-Dichloroethene
Concen: 0.38 ug/L
RT: 2.406 min Scan# 347
Delta R.T. 0.003 min
Lab File: 2P92621.D
Acq: 1 Sep 2022 6:26 pm

Tgt Ion: 61 Resp: 2062

Ion	Ratio	Lower	Upper
61	100		
96	76.6	40.1	100.1
98	46.5	15.3	75.3
63	33.5	2.7	62.7

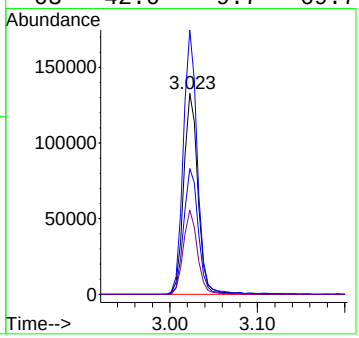


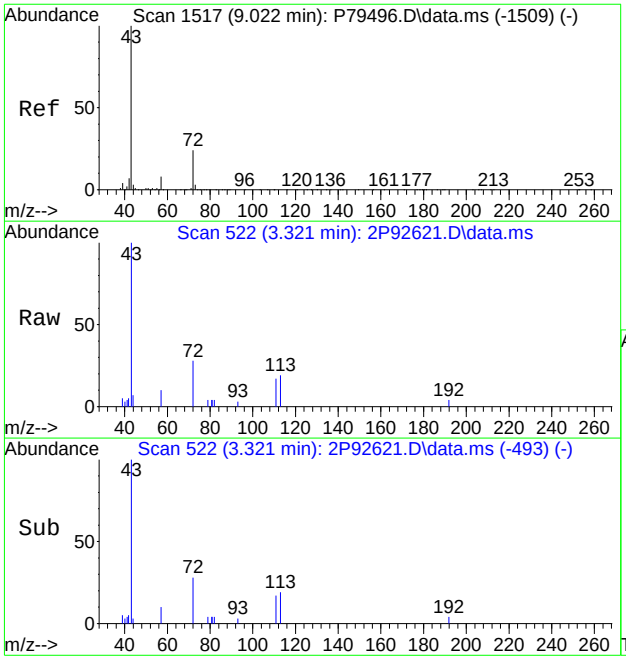


#32
cis-1,2-Dichloroethene
Concen: 35.34 ug/L
RT: 3.023 min Scan# 465
Delta R.T. -0.002 min
Lab File: 2P92621.D
Acq: 1 Sep 2022 6:26 pm

Tgt Ion: 96 Resp: 151115

Ion	Ratio	Lower	Upper
96	100		
61	131.6	93.5	153.5
98	62.6	32.1	92.1
63	42.0	9.7	69.7

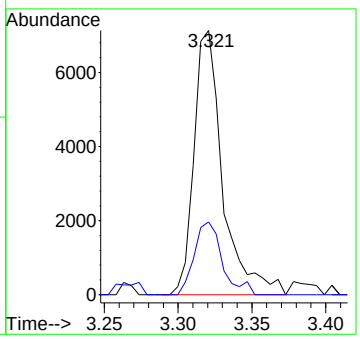




#42
2-Butanone
Concen: 2.19 ug/L
RT: 3.321 min Scan# 522
Delta R.T. 0.004 min
Lab File: 2P92621.D
Acq: 1 Sep 2022 6:26 pm

Tgt Ion: 43 Resp: 9657

Ion	Ratio	Lower	Upper
43	100		
72	27.5	0.0	58.9



7.1.9

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64462.D
Acq On : 3 Sep 2022 1:44 pm
Operator : adelardl
Sample : FA98431-9
Misc : MS52315,VY2672,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 05 02:14:30 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

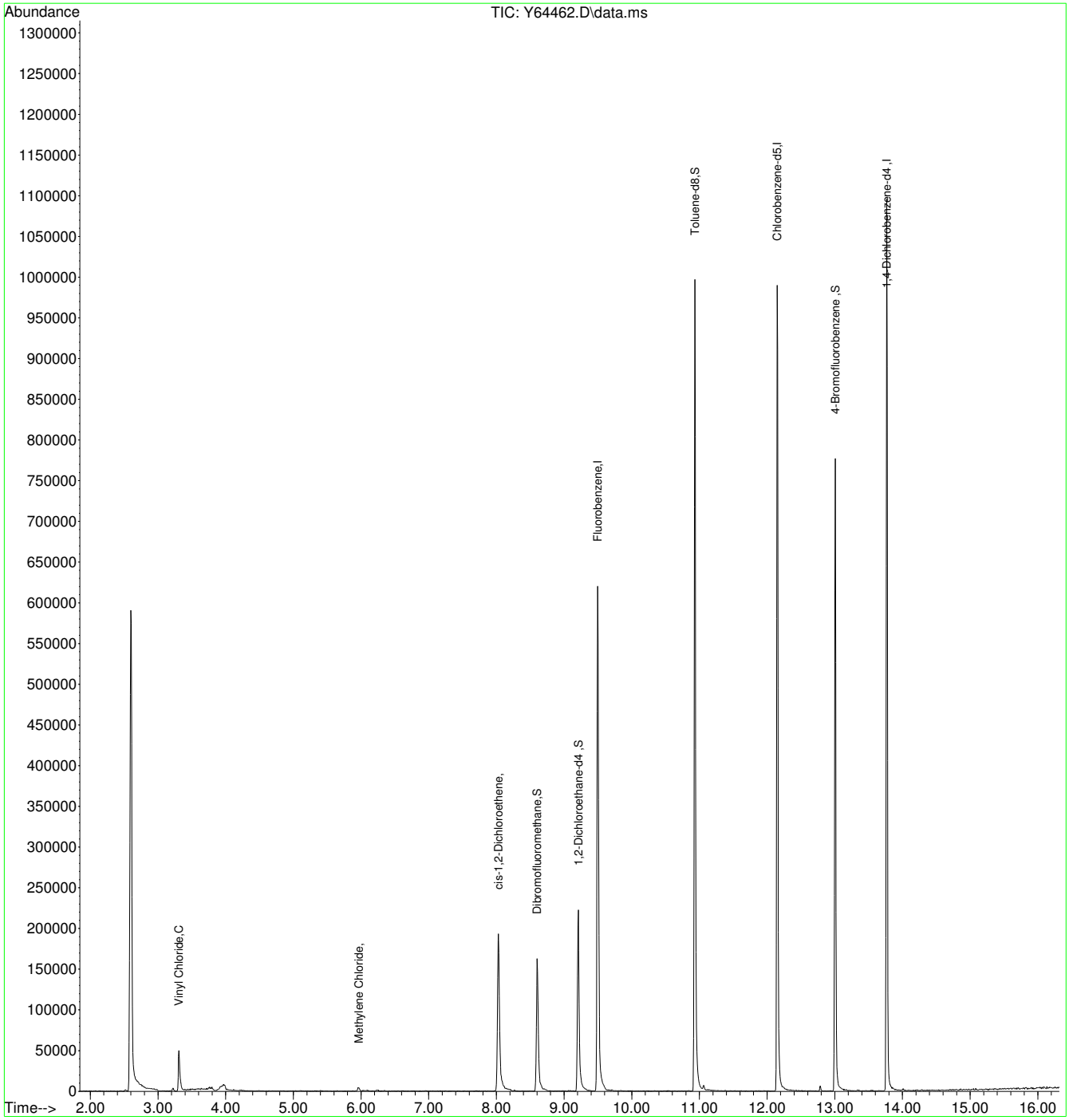
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	492835	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	424038	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	190725	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	103878	47.04	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.08%			
49) 1,2-Dichloroethane-d4	9.211	65	139022	51.54	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.08%			
63) Toluene-d8	10.932	98	517023	49.30	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.60%			
86) 4-Bromofluorobenzene	13.007	174	134323	46.39	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.78%			
Target Compounds						Qvalue
6) Vinyl Chloride	3.310	62	50454	14.70	ug/L	92
18) Methylene Chloride	5.968	49	3450	0.86	ug/L	85
32) cis-1,2-Dichloroethene	8.031	96	99625	35.87	ug/L	95

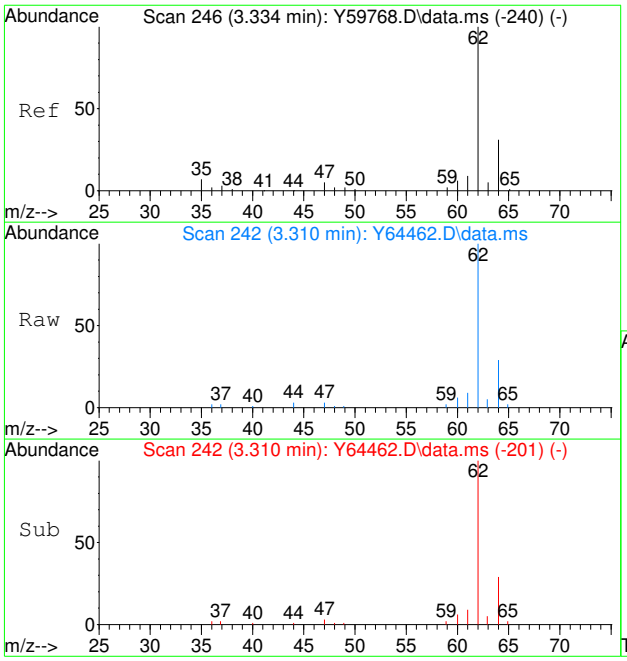
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64462.D
Acq On : 3 Sep 2022 1:44 pm
Operator : adelardl
Sample : FA98431-9
Misc : MS52315,VY2672,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 05 02:14:30 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

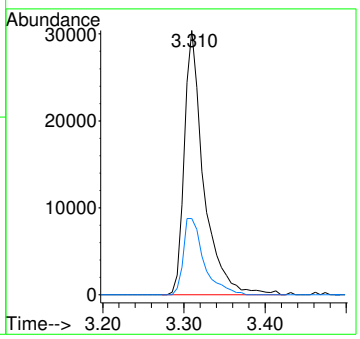


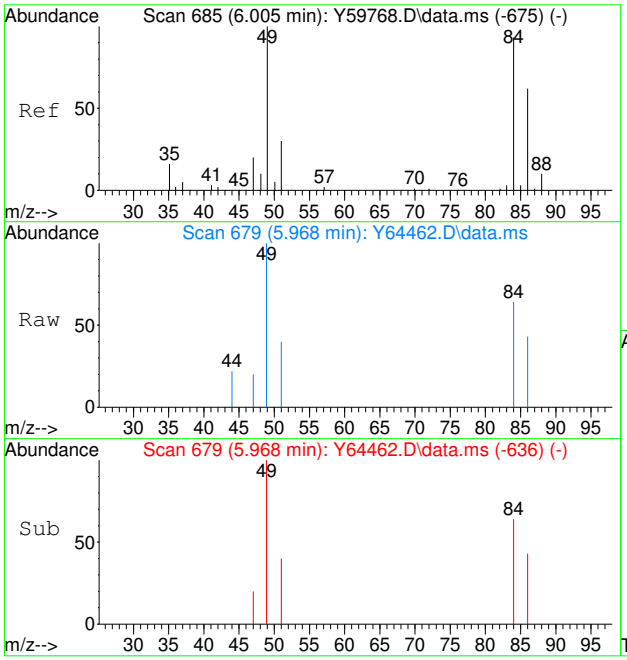


#6
Vinyl Chloride
Concen: 14.70 ug/L
RT: 3.310 min Scan# 242
Delta R.T. -0.000 min
Lab File: Y64462.D
Acq: 3 Sep 2022 1:44 pm

Tgt Ion: 62 Resp: 50454

Ion	Ratio	Lower	Upper
62	100		
64	28.9	3.7	63.7

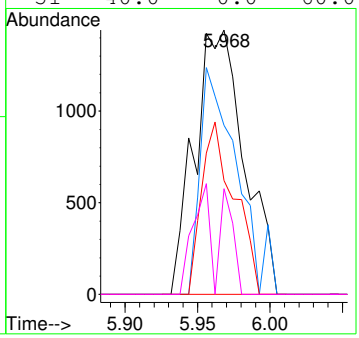


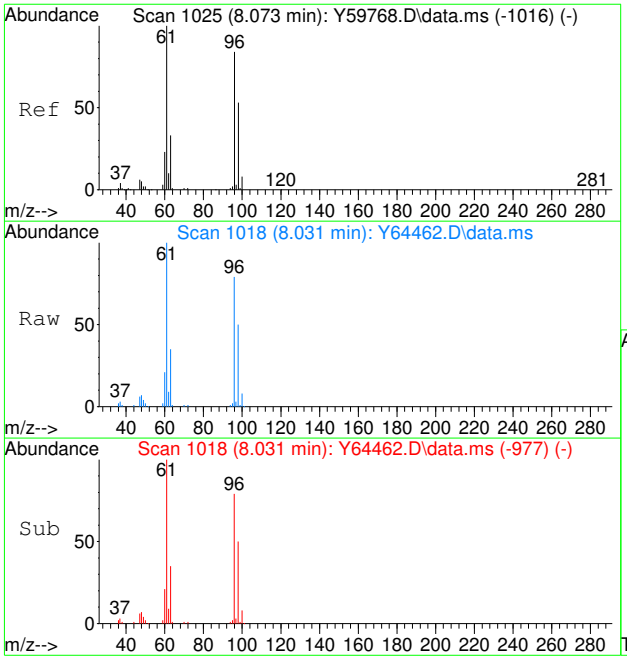


#18
Methylene Chloride
Concen: 0.86 ug/L
RT: 5.968 min Scan# 679
Delta R.T. 0.012 min
Lab File: Y64462.D
Acq: 3 Sep 2022 1:44 pm

Tgt Ion: 49 Resp: 3450

Ion	Ratio	Lower	Upper
49	100		
84	64.0	48.1	108.1
86	43.1	21.4	81.4
51	40.0	0.0	60.0

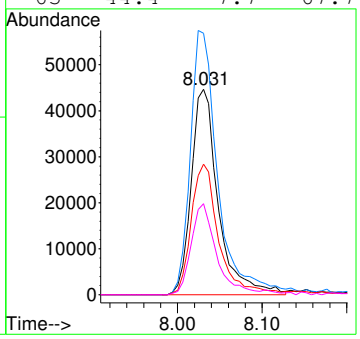




#32
cis-1,2-Dichloroethene
Concen: 35.87 ug/L
RT: 8.031 min Scan# 1018
Delta R.T. -0.000 min
Lab File: Y64462.D
Acq: 3 Sep 2022 1:44 pm

Tgt Ion: 96 Resp: 99625

Ion	Ratio	Lower	Upper
96	100		
61	127.3	91.8	151.8
98	63.6	34.7	94.7
63	44.4	7.7	67.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92667.D
Acq On : 6 Sep 2022 2:14 pm
Operator : courtnef
Sample : FA98431-10
Misc : MS52327,V2P3568,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Sep 07 02:00:18 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

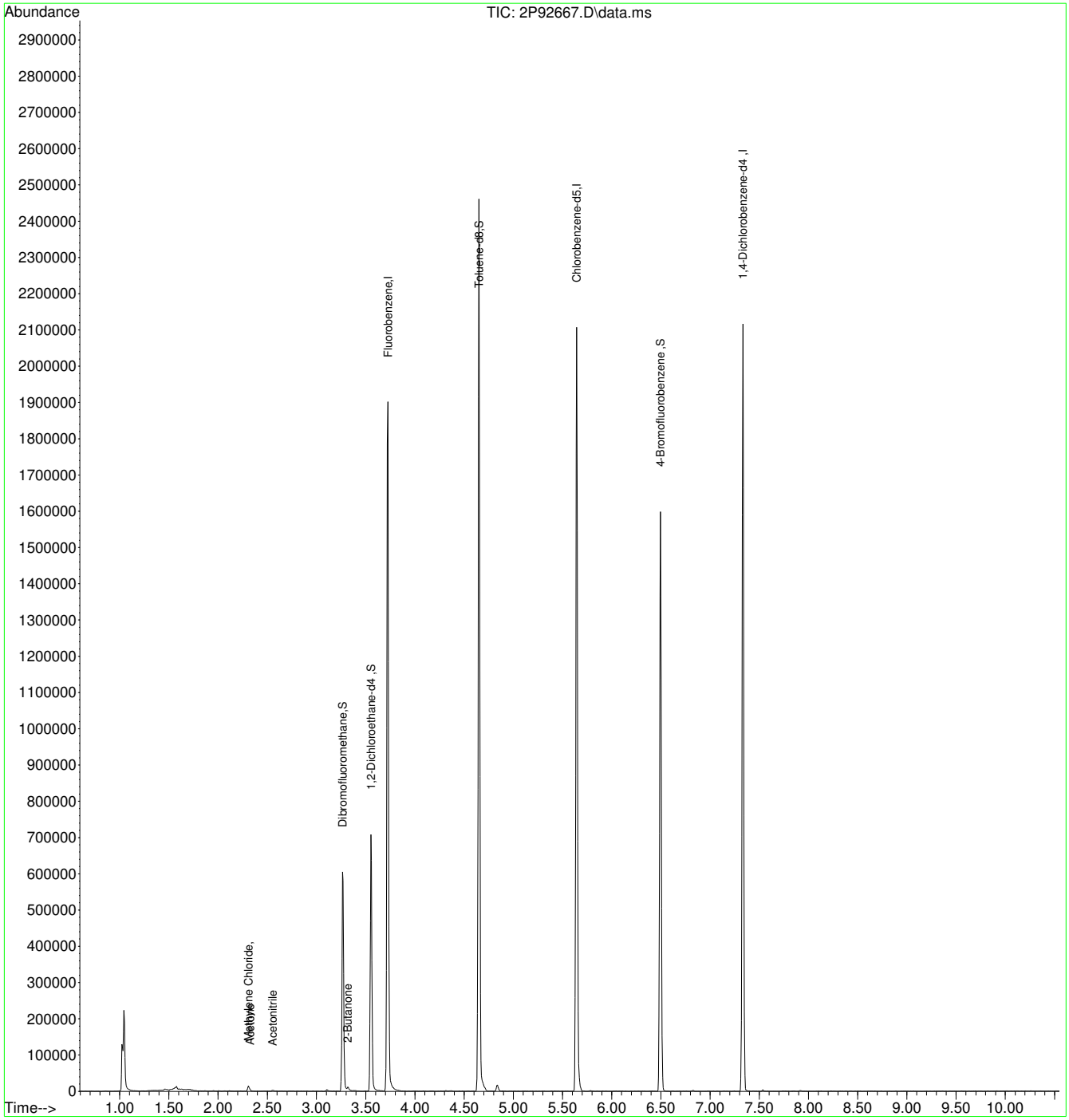
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.725	96	1075754	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	798434	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	380022	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.265	113	220665	48.26	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.52%			
49) 1,2-Dichloroethane-d4	3.553	65	314085	49.46	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.92%			
63) Toluene-d8	4.651	98	1057175	48.12	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.24%			
86) 4-Bromofluorobenzene	6.496	174	283685	47.86	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.72%			
Target Compounds						Qvalue
18) Methylene Chloride	2.309	49	4489	0.77	ug/L	78
19) Acetone	2.324	43	3895	1.55	ug/L	86
25) Acetonitrile	2.554	41	2239	2.70	ug/L	89
42) 2-Butanone	3.318	43	6770	1.61	ug/L	92

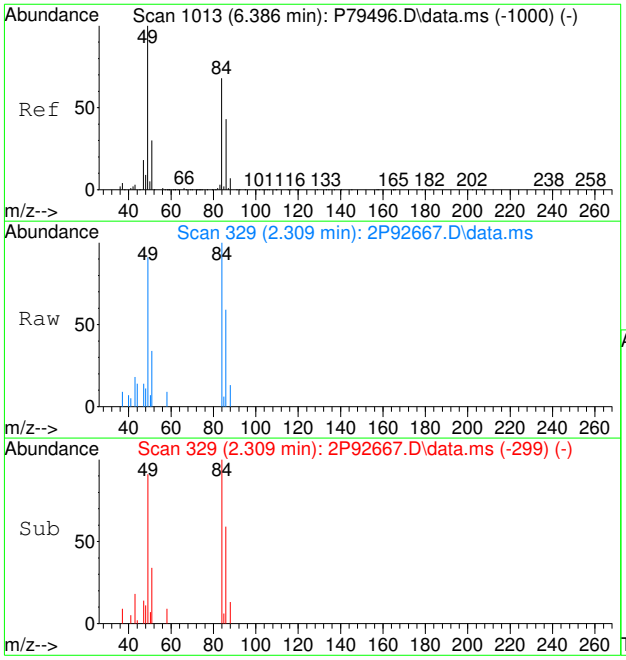
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92667.D
Acq On : 6 Sep 2022 2:14 pm
Operator : courtnef
Sample : FA98431-10
Misc : MS52327,V2P3568,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Sep 07 02:00:18 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

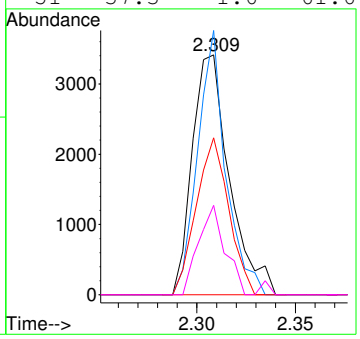


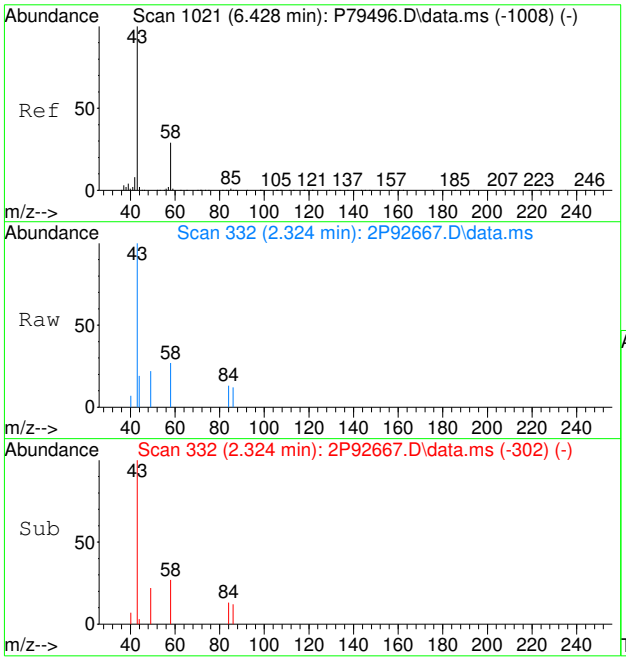


#18
Methylene Chloride
Concen: 0.77 ug/L
RT: 2.309 min Scan# 329
Delta R.T. 0.006 min
Lab File: 2P92667.D
Acq: 6 Sep 2022 2:14 pm

Tgt Ion: 49 Resp: 4489

Ion	Ratio	Lower	Upper
49	100		
84	110.2	52.0	112.0
86	65.4	23.9	83.9
51	37.3	1.6	61.6

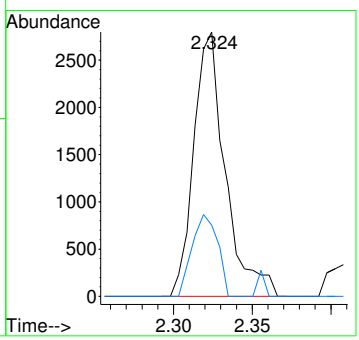


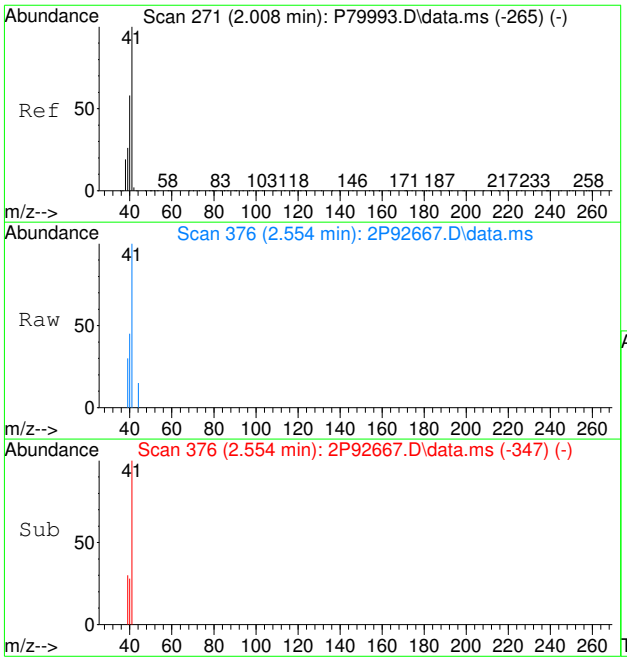


#19
Acetone
Concen: 1.55 ug/L
RT: 2.324 min Scan# 332
Delta R.T. 0.006 min
Lab File: 2P92667.D
Acq: 6 Sep 2022 2:14 pm

Tgt Ion: 43 Resp: 3895

Ion	Ratio	Lower	Upper
43	100		
58	27.0	5.0	65.0

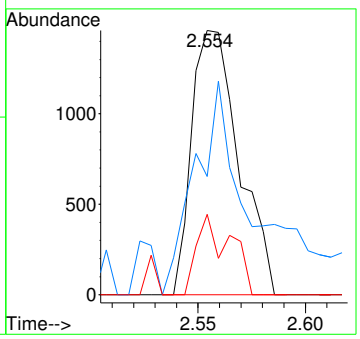


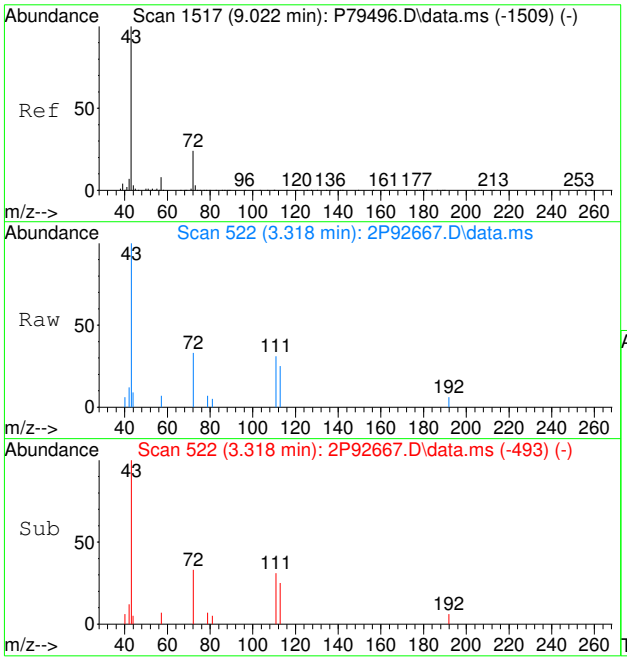


#25
Acetonitrile
Concen: 2.70 ug/L
RT: 2.554 min Scan# 376
Delta R.T. 0.000 min
Lab File: 2P92667.D
Acq: 6 Sep 2022 2:14 pm

Tgt Ion: 41 Resp: 2239

Ion	Ratio	Lower	Upper
41	100		
40	44.7	29.8	69.8
39	30.4	0.5	40.5

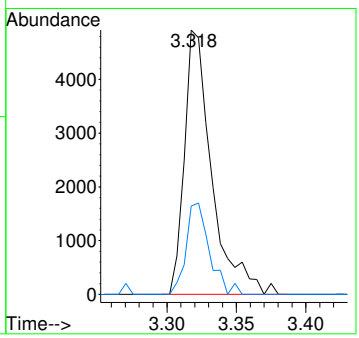




#42
2-Butanone
Concen: 1.61 ug/L
RT: 3.318 min Scan# 522
Delta R.T. 0.001 min
Lab File: 2P92667.D
Acq: 6 Sep 2022 2:14 pm

Tgt Ion: 43 Resp: 6770

Ion	Ratio	Lower	Upper
43	100		
72	33.3	0.0	58.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92623.D
Acq On : 1 Sep 2022 6:58 pm
Operator : courtnef
Sample : FA98431-11
Misc : MS52315,V2P3567,,,,,
ALS Vial : 63 Sample Multiplier: 1

Quant Time: Sep 02 02:38:23 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

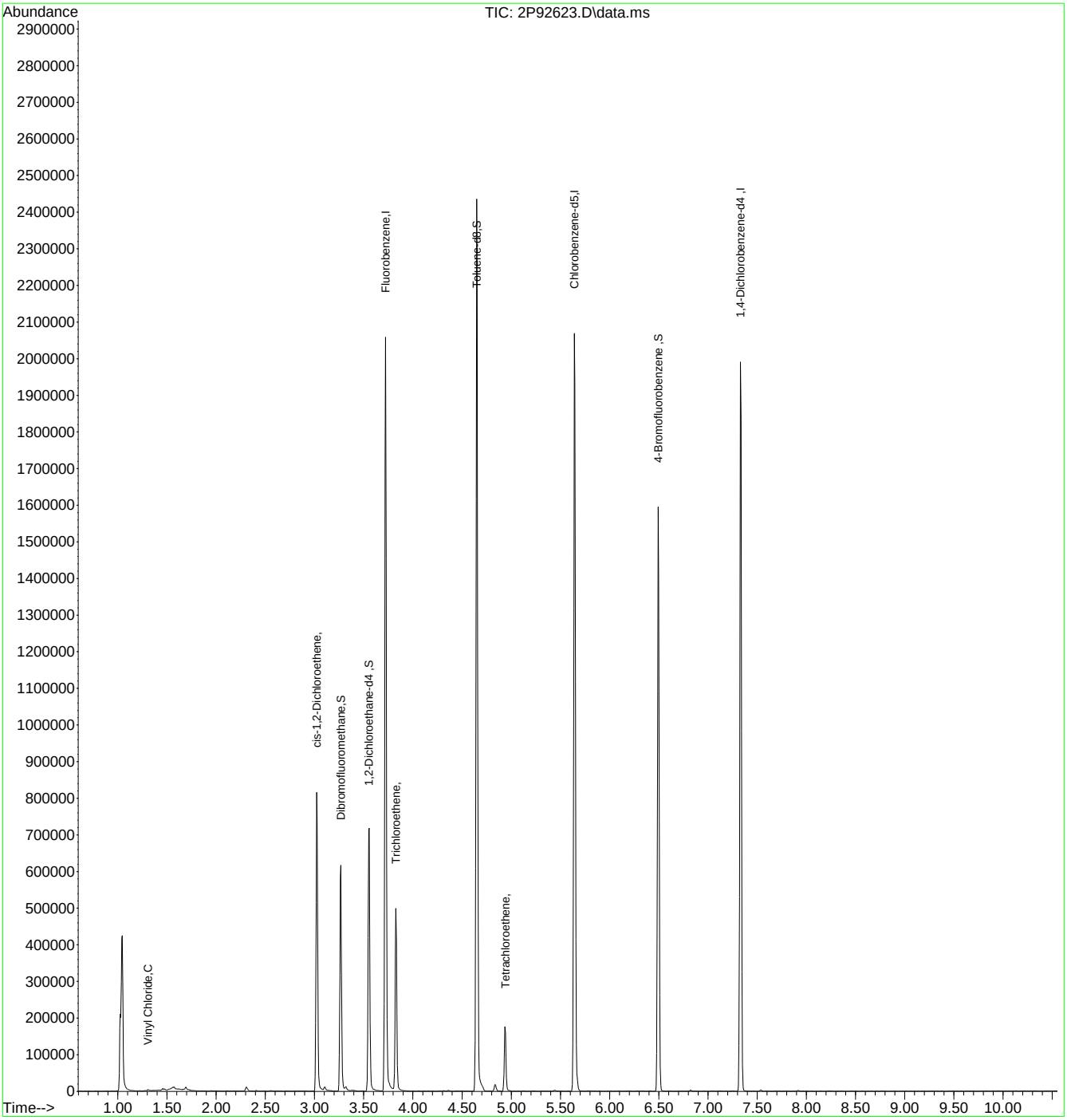
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.723	96	1115449	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.641	117	795859	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.330	152	364184	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.268	113	226102	47.69	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.38%			
49) 1,2-Dichloroethane-d4	3.550	65	334160	50.75	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.50%			
63) Toluene-d8	4.648	98	1077090	49.18	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.36%			
86) 4-Bromofluorobenzene	6.494	174	279728	49.25	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.50%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.307	62	2172	0.52	ug/L	96
32) cis-1,2-Dichloroethene	3.022	96	214470	50.91	ug/L	94
53) Trichloroethene	3.827	95	104486	23.91	ug/L	96
68) Tetrachloroethene	4.941	166	33407	8.37	ug/L	95

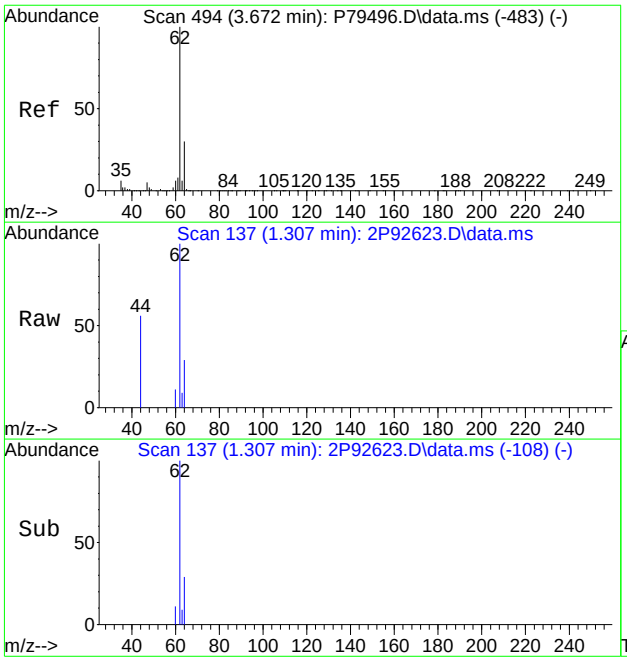
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92623.D
Acq On : 1 Sep 2022 6:58 pm
Operator : courtnef
Sample : FA98431-11
Misc : MS52315,V2P3567,,,,,
ALS Vial : 63 Sample Multiplier: 1

Quant Time: Sep 02 02:38:23 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

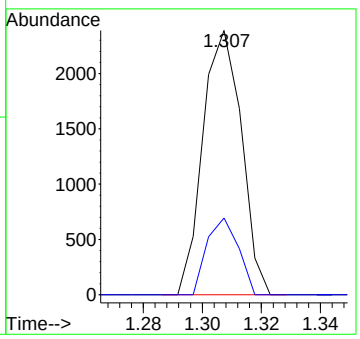


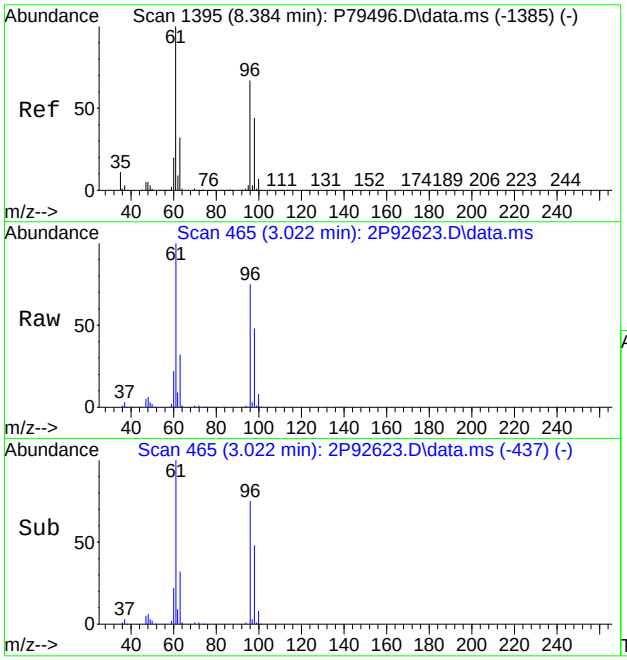


#5
Vinyl Chloride
Concen: 0.52 ug/L
RT: 1.307 min Scan# 137
Delta R.T. 0.003 min
Lab File: 2P92623.D
Acq: 1 Sep 2022 6:58 pm

Tgt Ion: 62 Resp: 2172

Ion	Ratio	Lower	Upper
62	100		
64	29.0	1.3	61.3

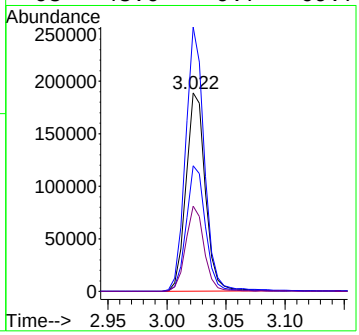


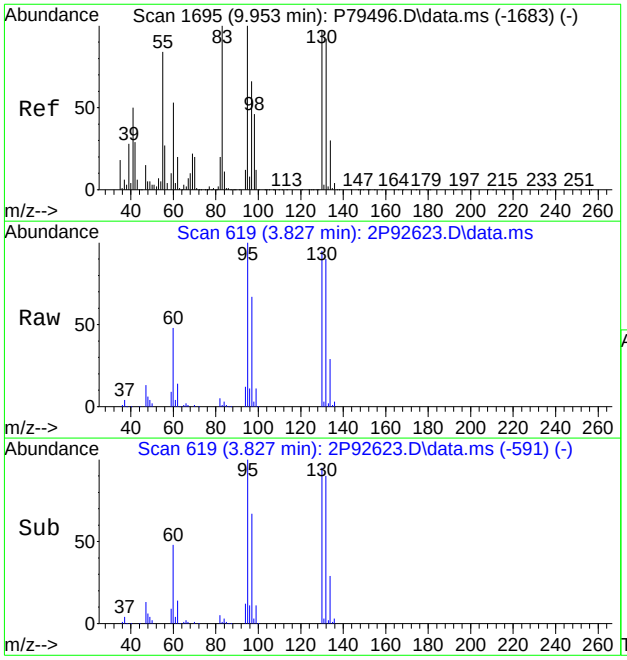


#32
cis-1,2-Dichloroethene
Concen: 50.91 ug/L
RT: 3.022 min Scan# 465
Delta R.T. -0.003 min
Lab File: 2P92623.D
Acq: 1 Sep 2022 6:58 pm

Tgt Ion: 96 Resp: 214470

Ion	Ratio	Lower	Upper
96	100		
61	133.2	93.5	153.5
98	63.3	32.1	92.1
63	43.0	9.7	69.7

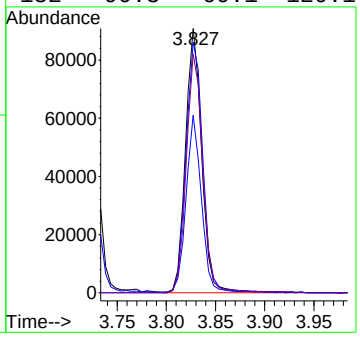


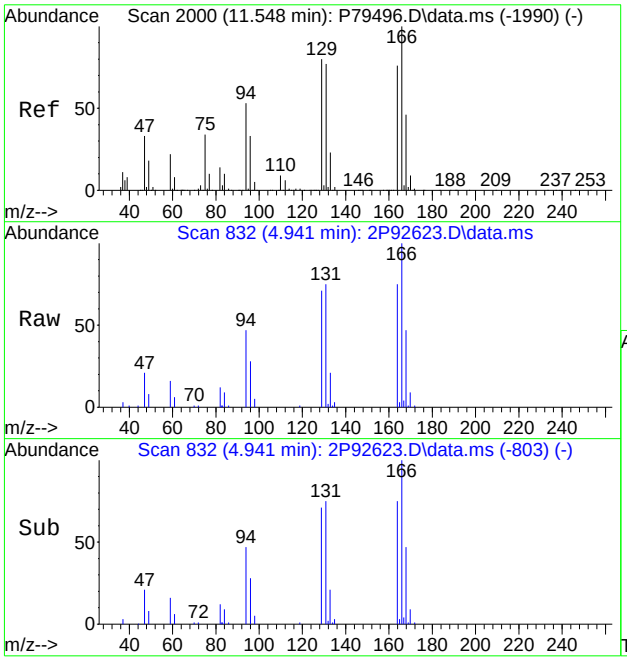


#53
Trichloroethene
Concen: 23.91 ug/L
RT: 3.827 min Scan# 619
Delta R.T. -0.003 min
Lab File: 2P92623.D
Acq: 1 Sep 2022 6:58 pm

Tgt Ion: 95 Resp: 104486

Ion	Ratio	Lower	Upper
95	100		
130	94.7	71.9	131.9
97	67.2	32.9	92.9
132	90.3	60.1	120.1

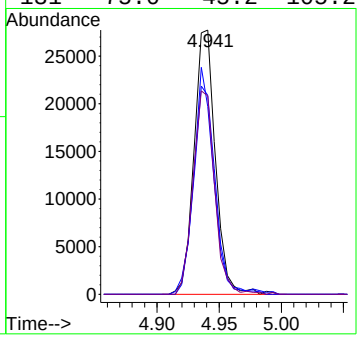




#68
Tetrachloroethene
Concen: 8.37 ug/L
RT: 4.941 min Scan# 832
Delta R.T. 0.003 min
Lab File: 2P92623.D
Acq: 1 Sep 2022 6:58 pm

Tgt Ion:166 Resp: 33407

Ion	Ratio	Lower	Upper
166	100		
164	75.3	50.7	110.7
129	71.0	48.8	108.8
131	75.0	45.2	105.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64463.D
Acq On : 3 Sep 2022 2:09 pm
Operator : adelardl
Sample : FA98431-11
Misc : MS52315,VY2672,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 05 02:14:47 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

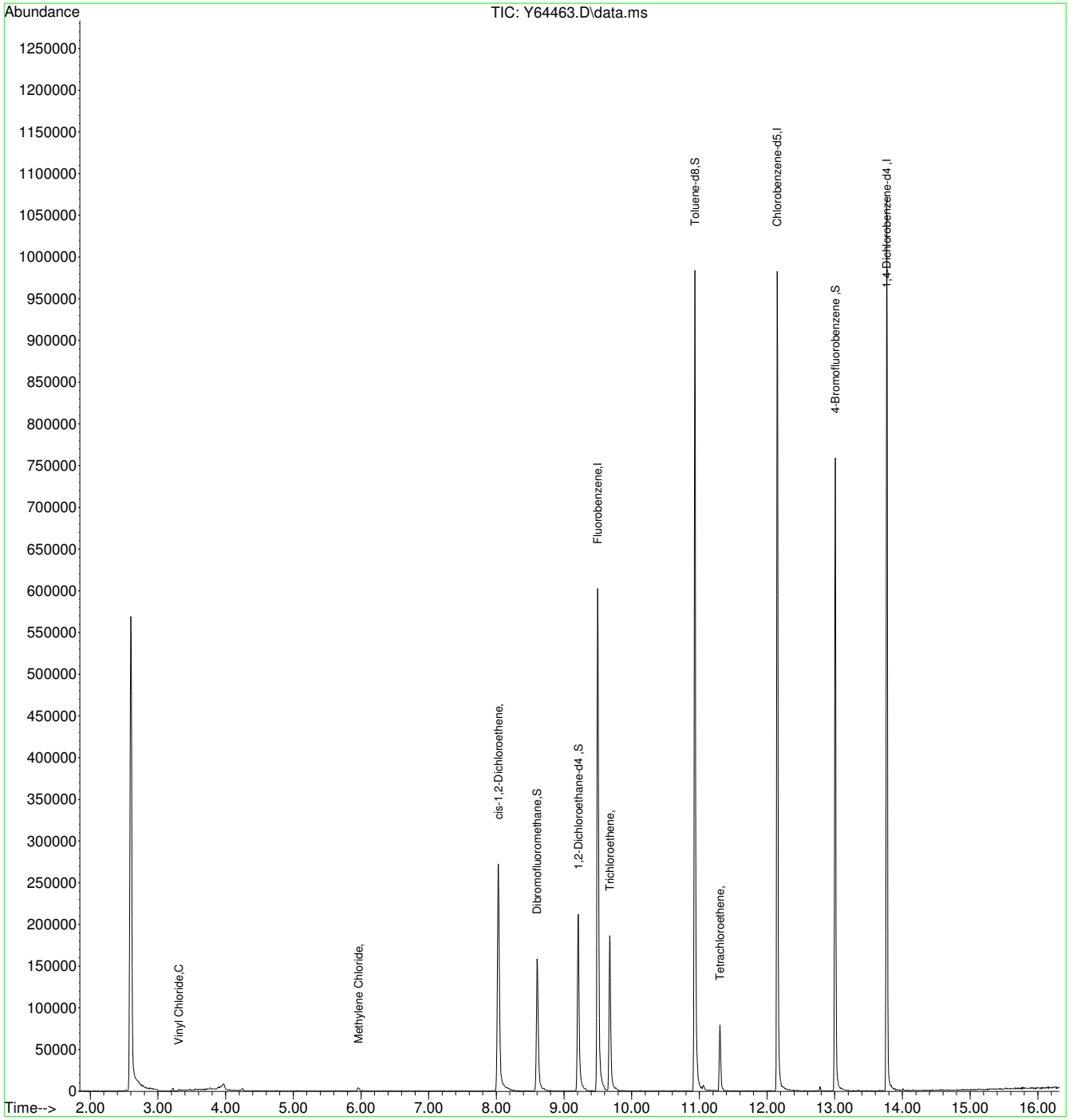
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	479872	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	413265	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	183736	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	104273	48.50	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.00%			
49) 1,2-Dichloroethane-d4	9.211	65	139004	52.93	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 105.86%			
63) Toluene-d8	10.933	98	512088	50.10	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.20%			
86) 4-Bromofluorobenzene	13.007	174	129084	46.28	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.56%			
Target Compounds						Qvalue
6) Vinyl Chloride	3.310	62	1298	0.39	ug/L	72
18) Methylene Chloride	5.962	49	2879	0.74	ug/L	83
32) cis-1,2-Dichloroethene	8.031	96	144056	53.27	ug/L	98
53) Trichloroethene	9.673	95	62399	23.47	ug/L	84
68) Tetrachloroethene	11.304	166	16883	5.53	ug/L	93

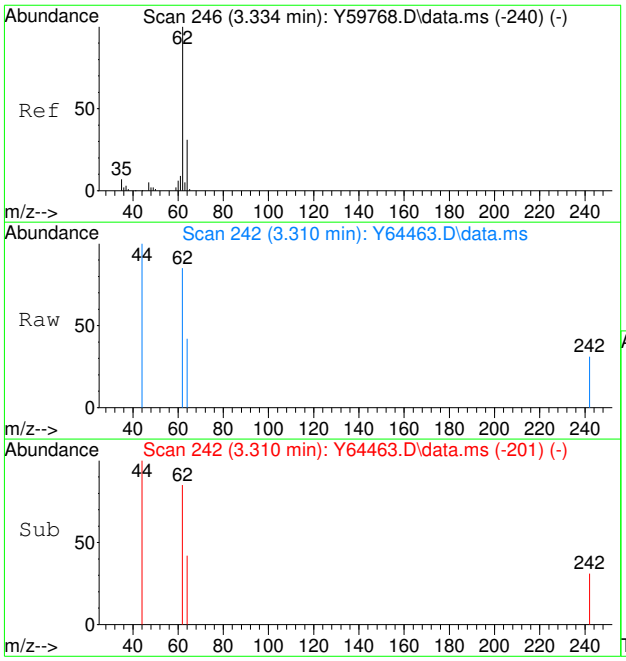
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64463.D
Acq On : 3 Sep 2022 2:09 pm
Operator : adelardl
Sample : FA98431-11
Misc : MS52315,VY2672,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 05 02:14:47 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

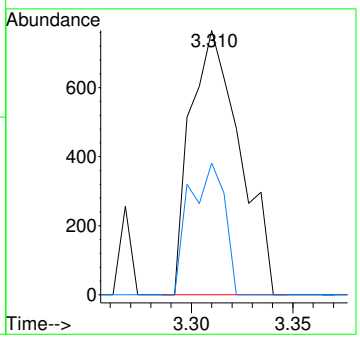


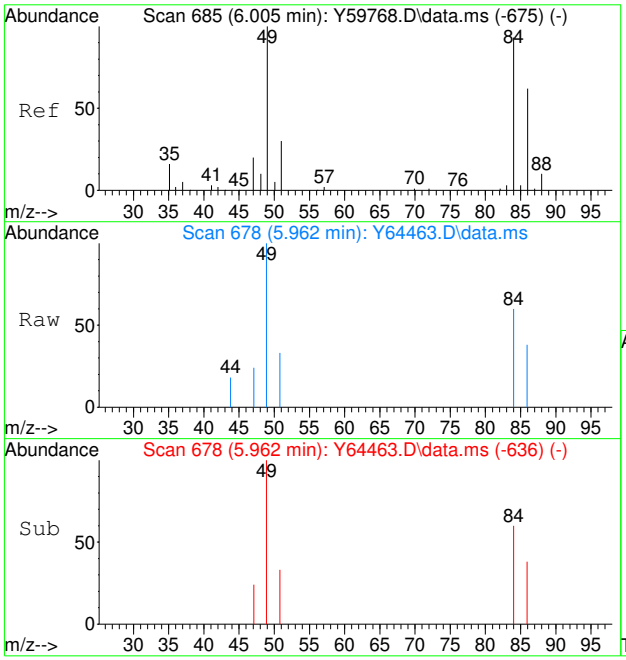


#6
Vinyl Chloride
Concen: 0.39 ug/L
RT: 3.310 min Scan# 242
Delta R.T. 0.000 min
Lab File: Y64463.D
Acq: 3 Sep 2022 2:09 pm

Tgt Ion: 62 Resp: 1298

Ion	Ratio	Lower	Upper
62	100		
64	49.9	3.7	63.7

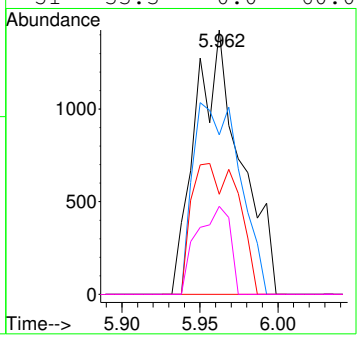


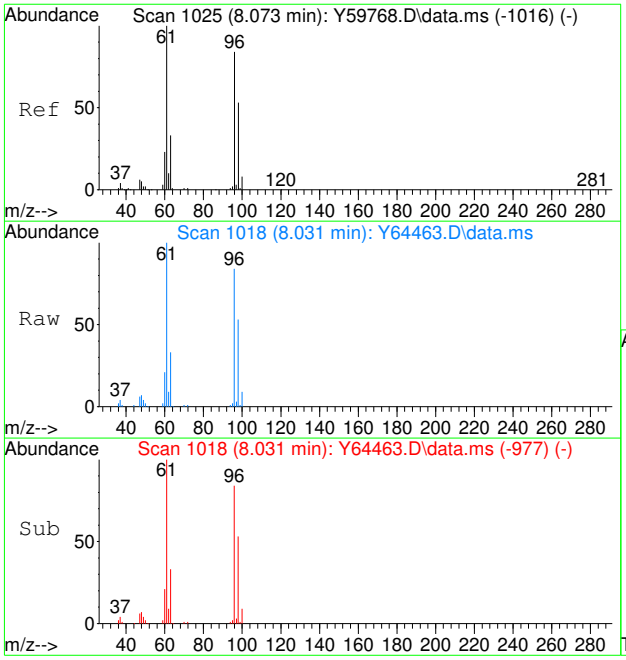


#18
Methylene Chloride
Concen: 0.74 ug/L
RT: 5.962 min Scan# 678
Delta R.T. 0.006 min
Lab File: Y64463.D
Acq: 3 Sep 2022 2:09 pm

Tgt Ion: 49 Resp: 2879

Ion	Ratio	Lower	Upper
49	100		
84	60.3	48.1	108.1
86	37.8	21.4	81.4
51	33.3	0.0	60.0

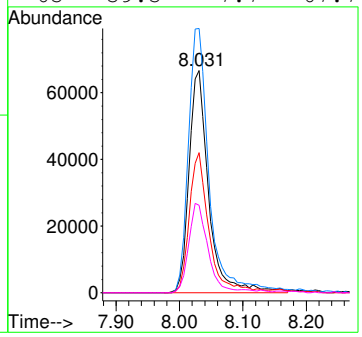


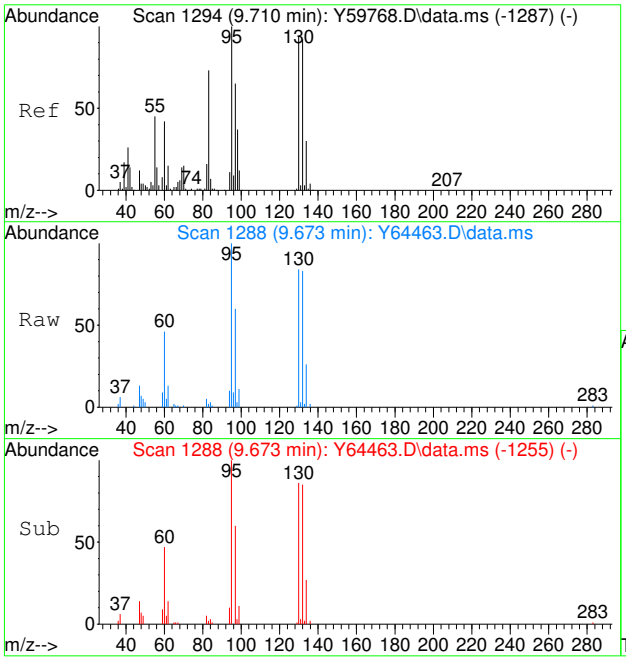


#32
cis-1,2-Dichloroethene
Concen: 53.27 ug/L
RT: 8.031 min Scan# 1018
Delta R.T. 0.000 min
Lab File: Y64463.D
Acq: 3 Sep 2022 2:09 pm

Tgt Ion: 96 Resp: 144056

Ion	Ratio	Lower	Upper
96	100		
61	119.0	91.8	151.8
98	63.0	34.7	94.7
63	39.3	7.7	67.7

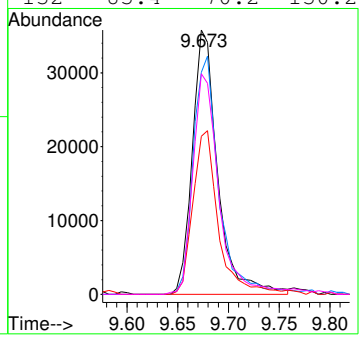


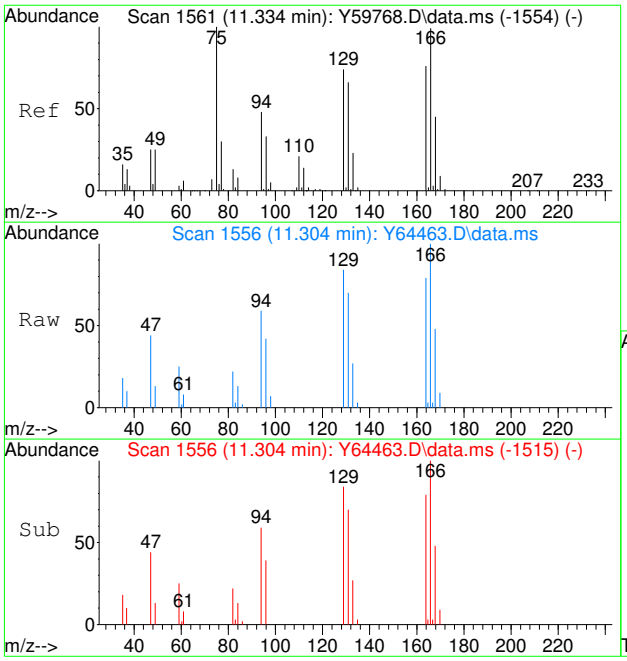


#53
Trichloroethene
Concen: 23.47 ug/L
RT: 9.673 min Scan# 1288
Delta R.T. 0.000 min
Lab File: Y64463.D
Acq: 3 Sep 2022 2:09 pm

Tgt Ion: 95 Resp: 62399

Ion	Ratio	Lower	Upper
95	100		
130	84.0	72.8	132.8
97	59.8	38.2	98.2
132	83.4	70.2	130.2

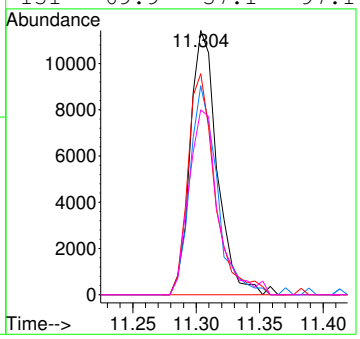




#68
Tetrachloroethene
Concen: 5.53 ug/L
RT: 11.304 min Scan# 1556
Delta R.T. 0.000 min
Lab File: Y64463.D
Acq: 3 Sep 2022 2:09 pm

Tgt Ion:166 Resp: 16883

Ion	Ratio	Lower	Upper
166	100		
164	79.1	46.4	106.4
129	83.6	40.6	100.6
131	69.9	37.1	97.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70800.d
Acq On : 1 Sep 2022 12:44 pm
Operator : joannel
Sample : MB
Misc : MS52309,VO2808,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 02 01:33:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

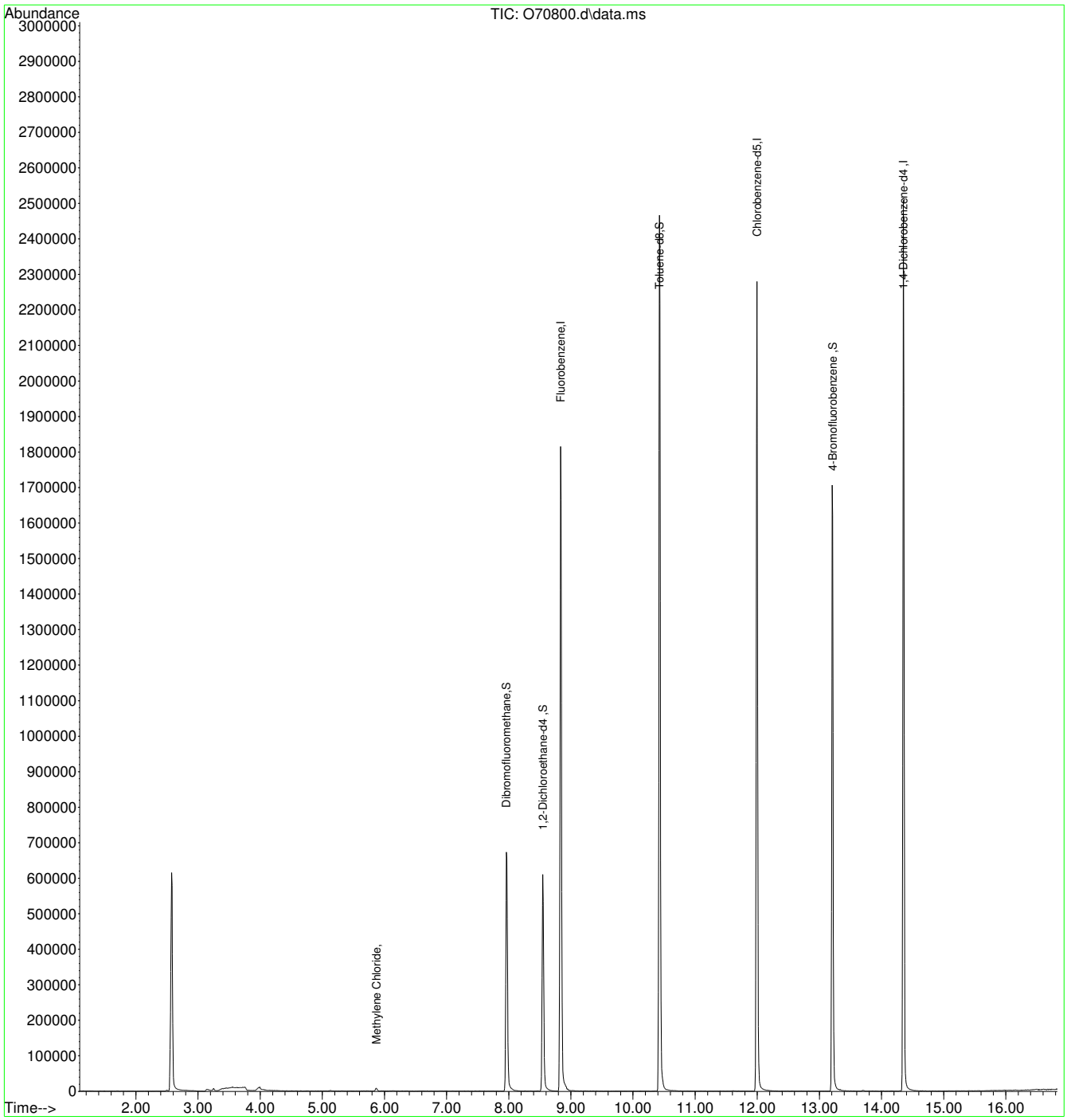
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1450449	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1156336	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	590094	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	384082	46.91	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.82%			
50) 1,2-Dichloroethane-d4	8.549	65	409063	48.56	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.12%			
63) Toluene-d8	10.426	98	1430822	49.36	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.72%			
86) 4-Bromofluorobenzene	13.212	174	469832	49.72	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.44%			
Target Compounds						Qvalue
18) Methylene Chloride	5.872	49	5316	0.69	ug/L	85

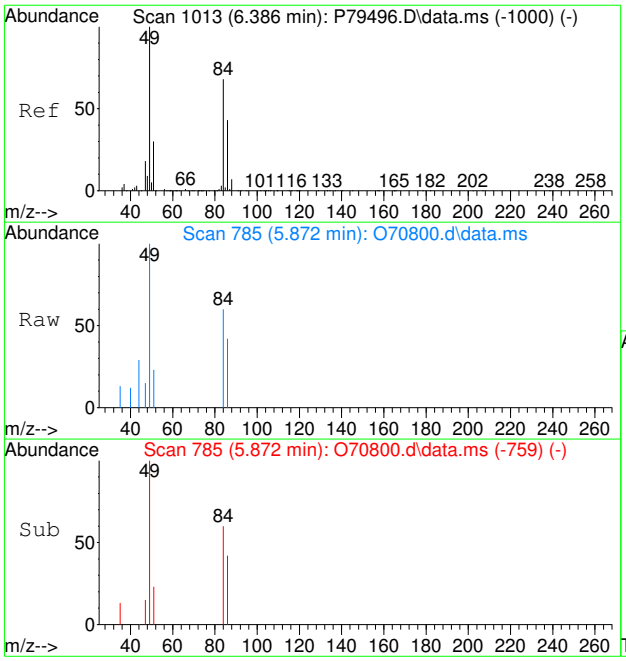
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70800.d
Acq On : 1 Sep 2022 12:44 pm
Operator : joannel
Sample : MB
Misc : MS52309,VO2808,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 02 01:33:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

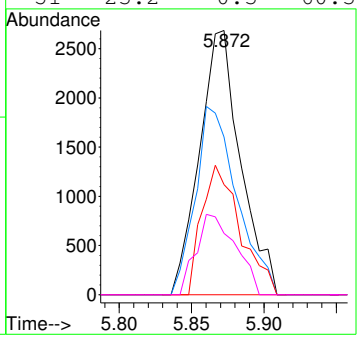




#18
Methylene Chloride
Concen: 0.69 ug/L
RT: 5.872 min Scan# 785
Delta R.T. 0.006 min
Lab File: O70800.d
Acq: 1 Sep 2022 12:44 pm

Tgt Ion: 49 Resp: 5316

Ion	Ratio	Lower	Upper
49	100		
84	59.6	44.6	104.6
86	41.7	20.5	80.5
51	23.2	0.3	60.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92607.D
Acq On : 1 Sep 2022 2:40 pm
Operator : courtnef
Sample : MB
Misc : MS52204,V2P3567,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Sep 02 02:27:31 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

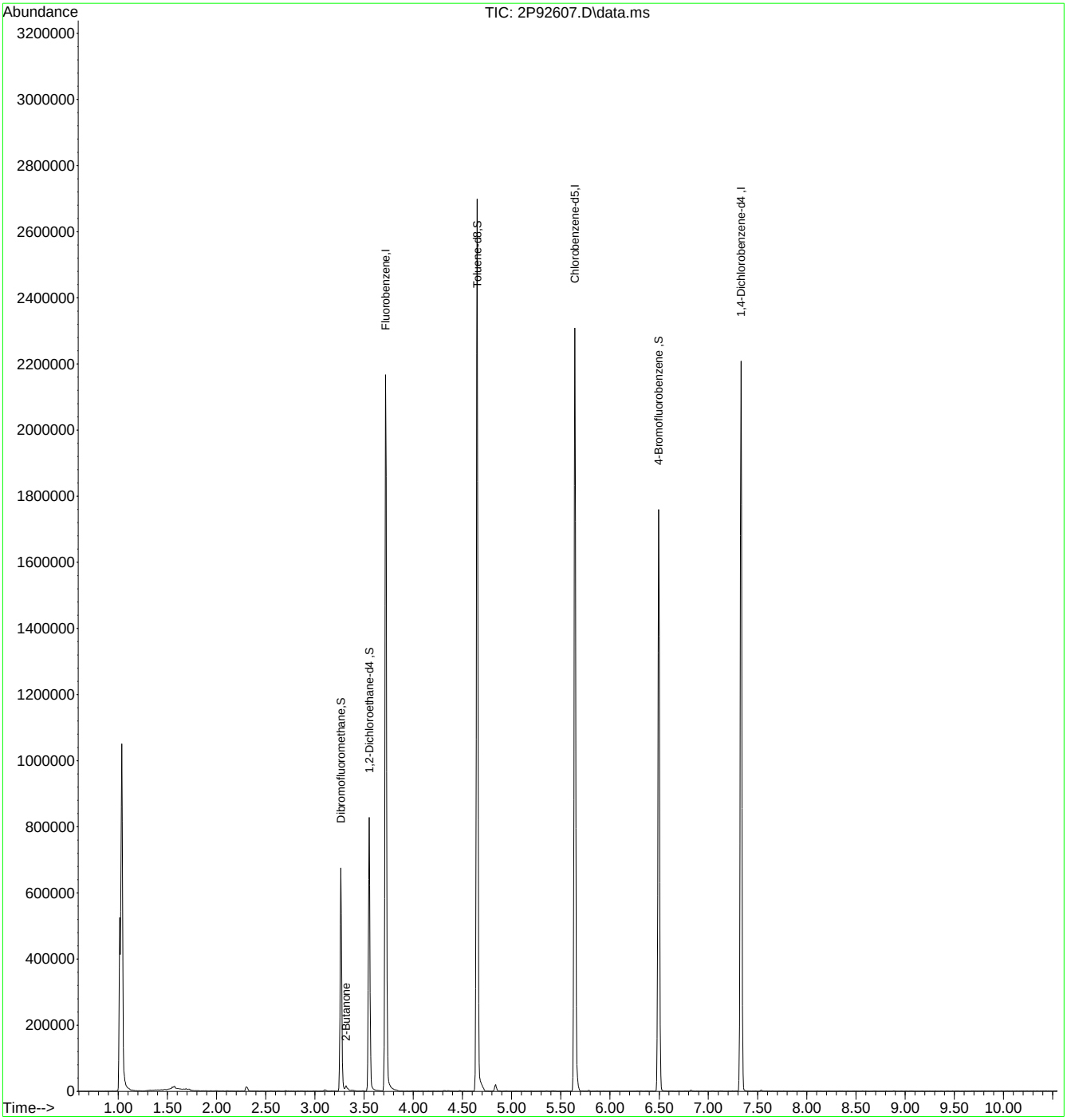
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		3.719	96	1185872	50.00	ug/L	0.00
62) Chlorobenzene-d5		5.643	117	846174	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		7.332	152	401259	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		3.264	113	239086	47.44	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	94.88%		
49) 1,2-Dichloroethane-d4		3.552	65	356895	50.98	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	101.96%		
63) Toluene-d8		4.650	98	1151237	49.44	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	98.88%		
86) 4-Bromofluorobenzene		6.495	174	304407	48.64	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	97.28%		
Target Compounds							Qvalue
42) 2-Butanone		3.317	43	11031	2.39	ug/L	95

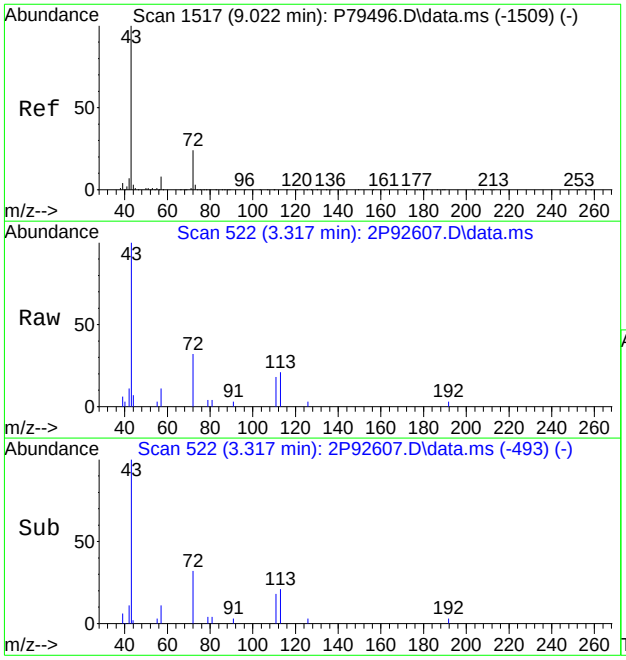
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92607.D
Acq On : 1 Sep 2022 2:40 pm
Operator : courtnef
Sample : MB
Misc : MS52204,V2P3567,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Sep 02 02:27:31 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

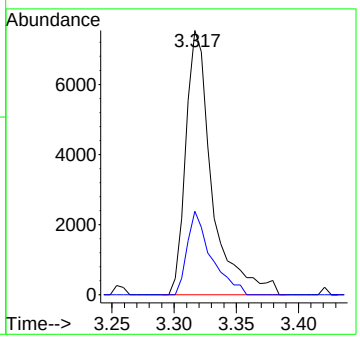




#42
2-Butanone
Concen: 2.39 ug/L
RT: 3.317 min Scan# 522
Delta R.T. -0.000 min
Lab File: 2P92607.D
Acq: 1 Sep 2022 2:40 pm

Tgt Ion: 43 Resp: 11031

Ion	Ratio	Lower	Upper
43	100		
72	31.6	0.0	58.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64458.D
Acq On : 3 Sep 2022 12:06 pm
Operator : adelardl
Sample : MB (AFA)
Misc : MS52207,VY2672,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 05 02:11:42 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

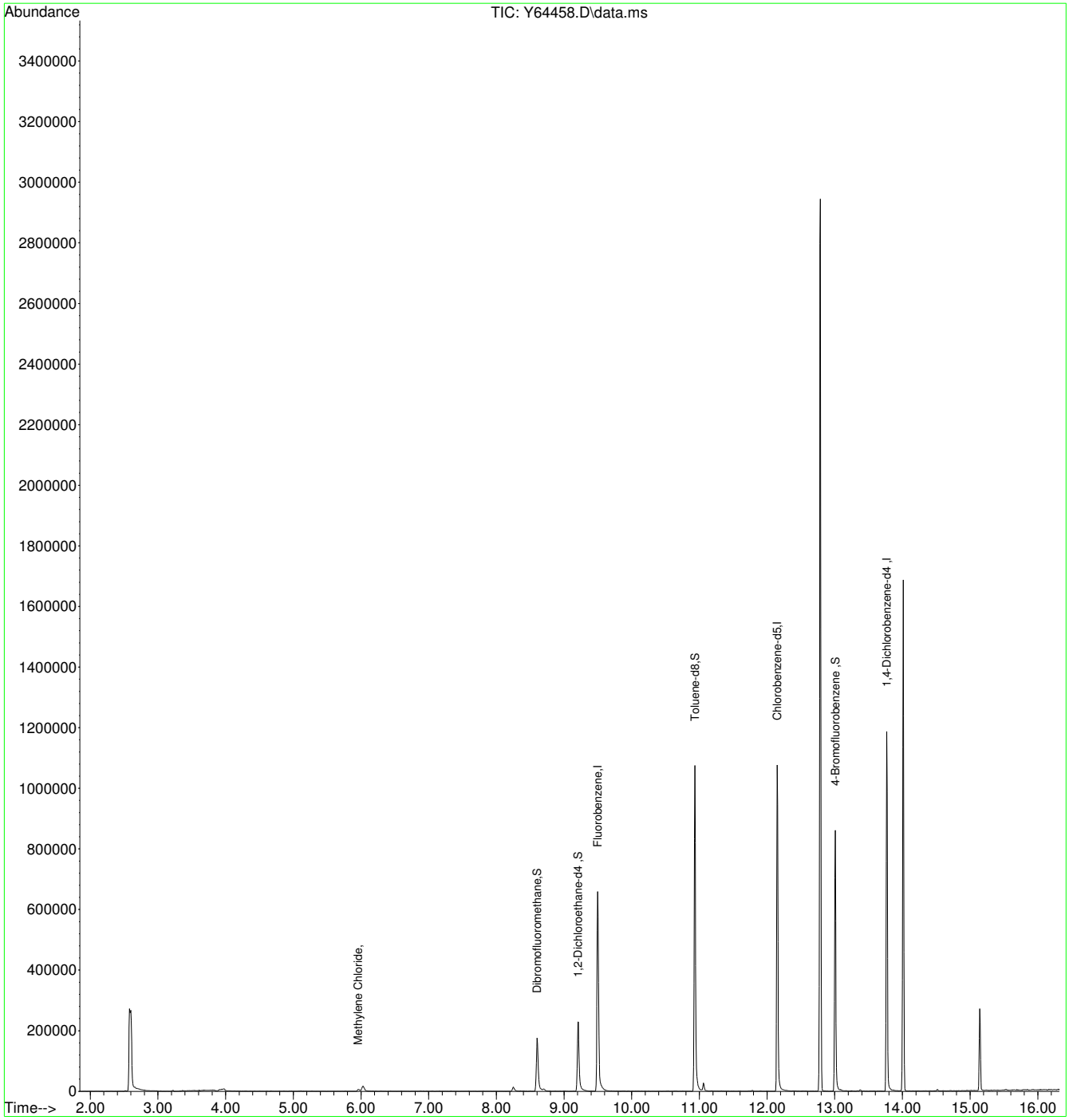
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	535524	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	459892	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	216194	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	112971	47.08	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.16%			
49) 1,2-Dichloroethane-d4	9.205	65	148470	50.66	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.32%			
63) Toluene-d8	10.933	98	572908	50.37	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.74%			
86) 4-Bromofluorobenzene	13.007	174	157263	47.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.84%			
Target Compounds						Qvalue
18) Methylene Chloride	5.956	49	4835	1.11	ug/L	77

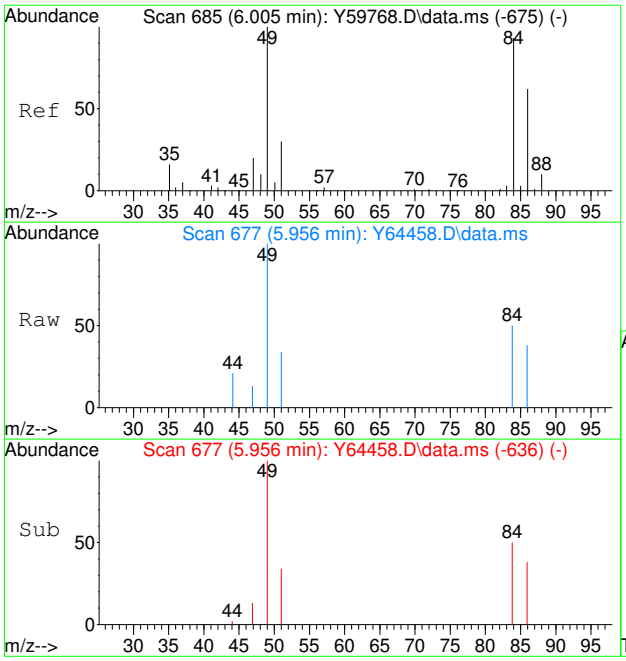
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64458.D
Acq On : 3 Sep 2022 12:06 pm
Operator : adelardl
Sample : MB (AFA)
Misc : MS52207,VY2672,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 05 02:11:42 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

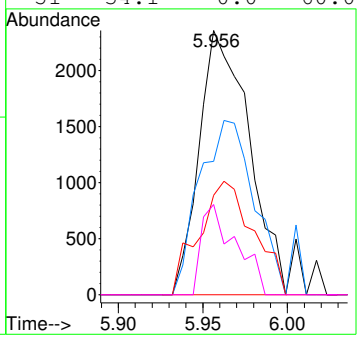




#18
Methylene Chloride
Concen: 1.11 ug/L
RT: 5.956 min Scan# 677
Delta R.T. 0.000 min
Lab File: Y64458.D
Acq: 3 Sep 2022 12:06 pm

Tgt Ion: 49 Resp: 4835

Ion	Ratio	Lower	Upper
49	100		
84	50.5	48.1	108.1
86	37.6	21.4	81.4
51	34.1	0.0	60.0



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92665.D
Acq On : 6 Sep 2022 1:41 pm
Operator : courtnef
Sample : MB
Misc : MS52327,V2P3568,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Sep 07 01:59:53 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

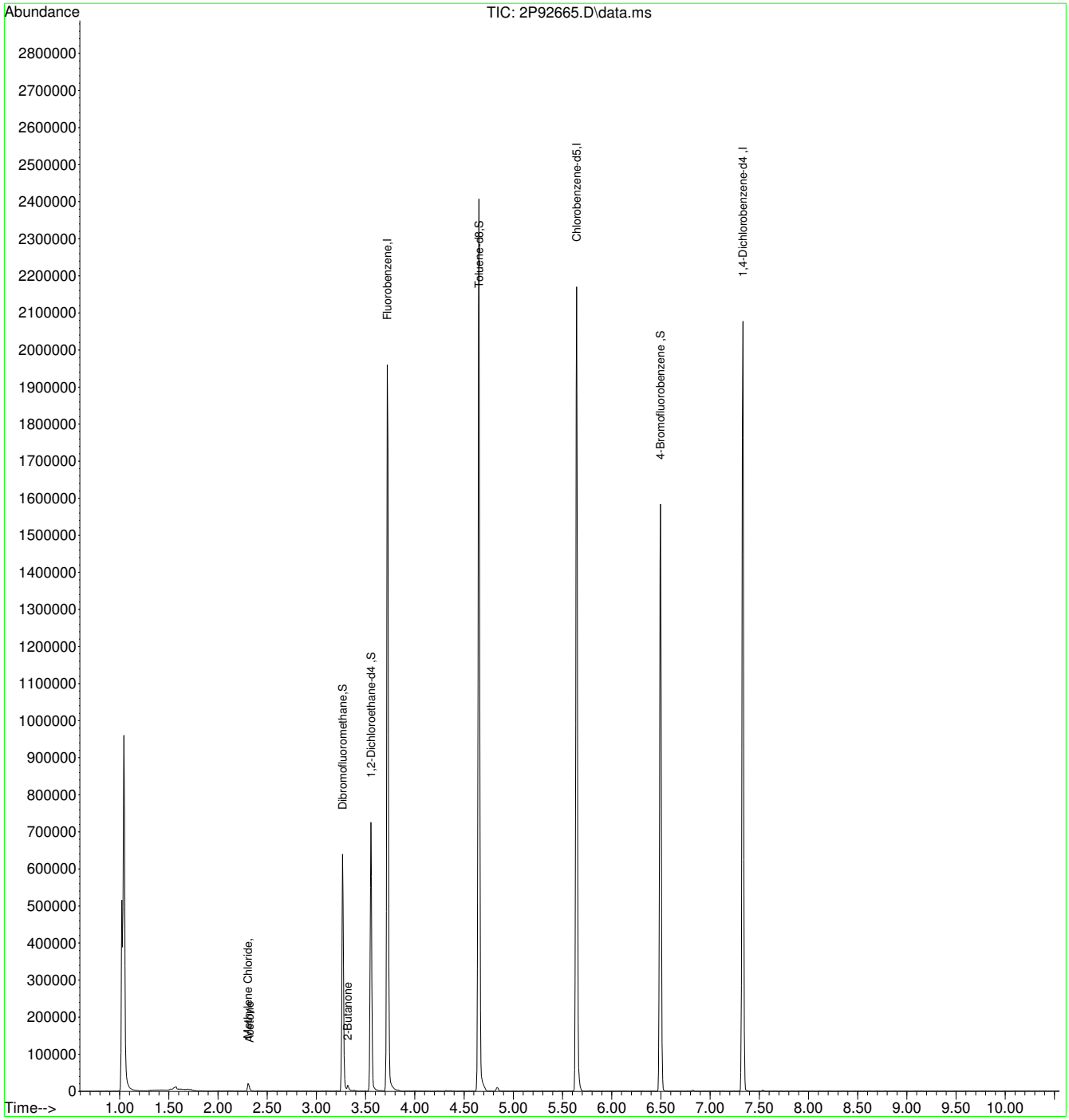
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.721	96	1091554	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.645	117	804032	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	379797	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.266	113	222919	48.05	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.10%			
49) 1,2-Dichloroethane-d4	3.553	65	311405	48.33	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.66%			
63) Toluene-d8	4.651	98	1061982	48.00	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.00%			
86) 4-Bromofluorobenzene	6.497	174	288920	48.77	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.54%			
Target Compounds						Qvalue
18) Methylene Chloride	2.304	49	6639	1.12	ug/L	96
19) Acetone	2.320	43	4658	1.82	ug/L	96
42) 2-Butanone	3.318	43	10357	2.43	ug/L	86

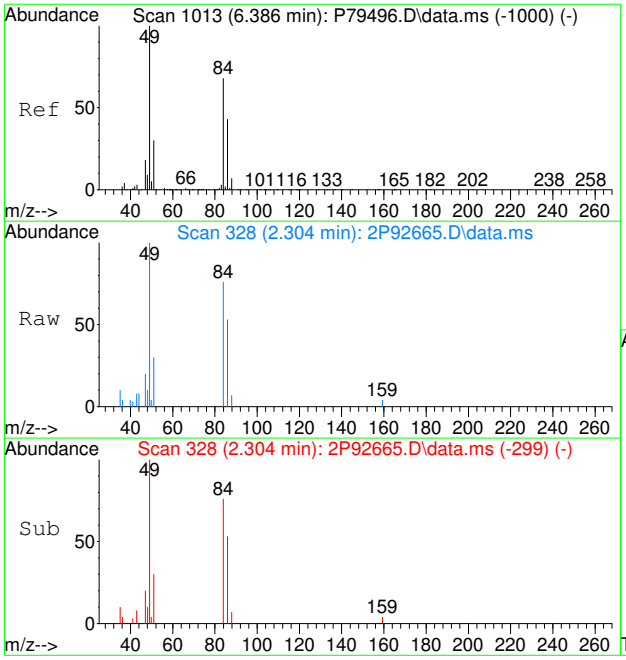
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92665.D
Acq On : 6 Sep 2022 1:41 pm
Operator : courtnef
Sample : MB
Misc : MS52327,V2P3568,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Sep 07 01:59:53 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

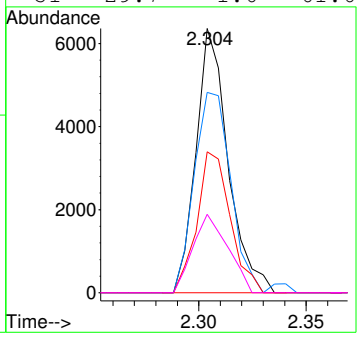


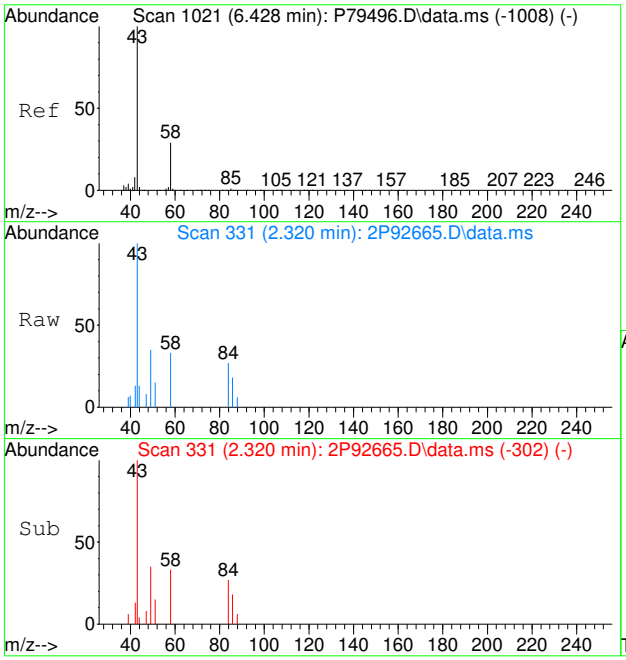


#18
Methylene Chloride
Concen: 1.12 ug/L
RT: 2.304 min Scan# 328
Delta R.T. 0.001 min
Lab File: 2P92665.D
Acq: 6 Sep 2022 1:41 pm

Tgt Ion: 49 Resp: 6639

Ion	Ratio	Lower	Upper
49	100		
84	75.8	52.0	112.0
86	53.3	23.9	83.9
51	29.7	1.6	61.6

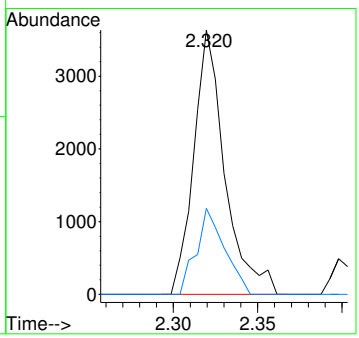


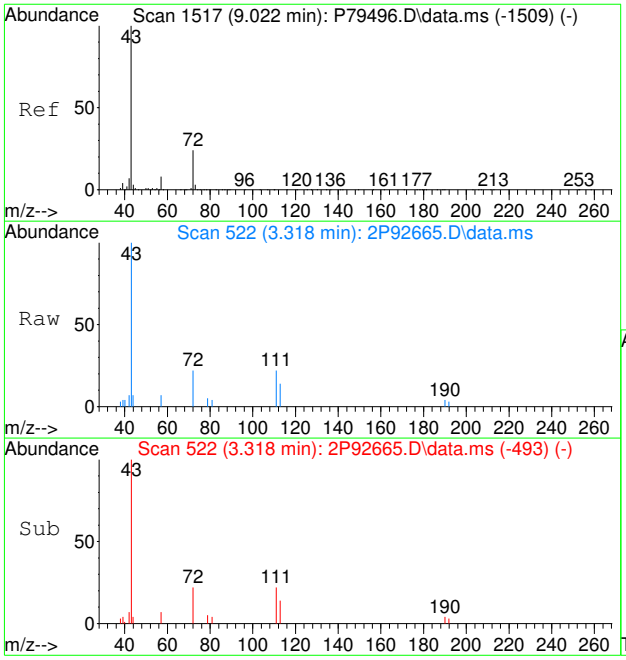


#19
Acetone
Concen: 1.82 ug/L
RT: 2.320 min Scan# 331
Delta R.T. 0.002 min
Lab File: 2P92665.D
Acq: 6 Sep 2022 1:41 pm

Tgt Ion: 43 Resp: 4658

Ion	Ratio	Lower	Upper
43	100		
58	32.6	5.0	65.0

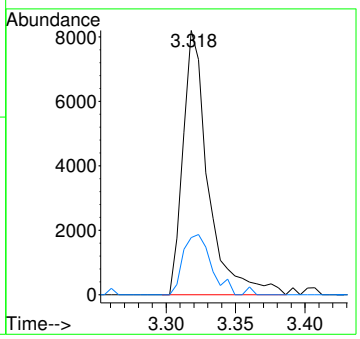




#42
2-Butanone
Concen: 2.43 ug/L
RT: 3.318 min Scan# 522
Delta R.T. 0.001 min
Lab File: 2P92665.D
Acq: 6 Sep 2022 1:41 pm

Tgt Ion: 43 Resp: 10357

Ion	Ratio	Lower	Upper
43	100		
72	21.6	0.0	58.9



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:35:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1578810	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1310031	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	683610	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	440431	49.42	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.84%			
50) 1,2-Dichloroethane-d4	8.549	65	455953	49.73	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.46%			
63) Toluene-d8	10.426	98	1581545	48.15	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.30%			
86) 4-Bromofluorobenzene	13.206	174	541903	49.51	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	176595	31.34	ug/L	96
3) Chloromethane	3.202	50	166149	26.42	ug/L	99
4) 1,3-butadiene	3.379	39	158552	26.88	ug/L	98
5) Vinyl Chloride	3.349	62	190591	27.01	ug/L	100
6) Bromomethane	3.897	94	73541	20.93	ug/L	96
7) Chloroethane	4.105	64	122619	25.93	ug/L	99
8) Trichlorofluoromethane	4.330	101	289626	25.87	ug/L	99
9) Ethyl Ether	4.800	59	111623	22.41	ug/L	99
10) Ethanol	5.019	45	28571m	515.10	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	191646	29.77	ug/L	99
12) 1,1-Dichloroethene	5.086	61	243636	26.97	ug/L	99
13) Freon 113	5.141	101	163640	28.59	ug/L	98
14) Carbon Disulfide	5.129	76	370032	22.95	ug/L	100
15) Iodomethane	5.287	142	49244	15.48	ug/L	99
16) Acrolein	5.549	56	114820	94.30	ug/L	99
17) Allyl chloride	5.726	41	195448	26.35	ug/L	99
18) Methylene Chloride	5.866	49	216963	25.73	ug/L	99
19) Acetone	5.927	43	233749	129.33	ug/L	98
20) Methyl acetate	6.080	43	555372	118.30	ug/L	99
21) trans-1,2-Dichloroethene	6.080	61	221023	24.54	ug/L	99
22) Hexane	6.171	56	108784m	30.48	ug/L	
23) Methyl Tert Butyl Ether	6.202	73	428347	27.29	ug/L	96
24) Tert Butyl Alcohol	6.305	59	127068	220.82	ug/L	97
25) Acetonitrile	6.513	41	171833m	218.83	ug/L	
26) Di-isopropyl ether	6.653	45	439274	23.83	ug/L	99
27) Chloroprene	6.805	53	217576	118.25	ug/L	97
28) 1,1-Dichloroethane	6.836	63	287259	25.83	ug/L	99
29) Acrylonitrile	6.891	52	229235	114.89	ug/L	99
30) ETBE	7.086	59	393179	21.99	ug/L	99
31) Vinyl acetate	7.110	43	1460562	119.13	ug/L	99
32) cis-1,2-Dichloroethene	7.470	96	161638	25.42	ug/L	98
33) 2,2-Dichloropropane	7.592	77	198917	22.80	ug/L	97
34) Bromochloromethane	7.695	128	83577	23.59	ug/L	94
35) Cyclohexane	7.707	56	264883	27.22	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:35:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	277305	23.54	ug/L	96
37) Ethyl acetate	7.872	43	702961	117.15	ug/L	99
38) Tetrahydrofuran	7.957	42	44924	23.89	ug/L	88
40) Carbon Tetrachloride	7.939	117	233368	25.78	ug/L	99
41) 1,1,1-Trichloroethane	8.012	97	267393	25.66	ug/L	99
42) 2-Butanone	8.098	43	358018	119.66	ug/L	98
43) 1,1-Dichloropropene	8.140	75	214237	24.92	ug/L	98
44) tert-Butyl formate	8.244	59	442562	106.79	ug/L	96
45) Propionitrile	8.421	54	206852	212.78	ug/L	97
46) Methacrylonitrile	8.445	41	1031546	226.57	ug/L	99
47) Benzene	8.409	78	589126	23.69	ug/L	98
48) TAME	8.494	73	477357	31.83	ug/L	99
49) Isobutyl alcohol	8.567	43	90896	459.01	ug/L	98
51) 1,2-Dichloroethane	8.622	62	224742	23.30	ug/L	99
52) Tert Amyl Alcohol	8.677	59	86410	223.69	ug/L	98
53) Trichloroethene	9.018	95	171038	25.81	ug/L	98
54) Methylcyclohexane	9.012	83	237089	30.59	ug/L	99
55) Dibromomethane	9.463	93	95052	22.50	ug/L	96
56) 1,2-Dichloropropane	9.555	63	140284	22.68	ug/L	99
57) Bromodichloromethane	9.603	83	187154	23.80	ug/L	98
58) Methyl methacrylate	9.725	41	110128	22.05	ug/L	98
59) 1,4-Dioxane	9.805	88	31215	580.47	ug/L	95
60) 2-Chloroethyl vinyl ether	10.146	63	544404	131.92	ug/L	99
61) cis-1,3-Dichloropropene	10.237	75	201214	22.84	ug/L	97
64) Toluene	10.481	91	636975	22.55	ug/L	100
65) 2-Nitropropane	10.713	41	178642	106.27	ug/L	97
66) 4-Methyl-2-pentanone	10.829	43	734807	110.12	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	198905	24.45	ug/L	98
68) Tetrachloroethene	10.884	166	201344	23.92	ug/L	98
69) Ethyl methacrylate	10.993	69	154452	20.46	ug/L	97
70) 1,1,2-Trichloroethane	11.048	83	112582	22.06	ug/L	98
71) Dibromochloromethane	11.243	129	149562	21.25	ug/L	99
72) 1,3-Dichloropropane	11.335	76	212757	20.13	ug/L	100
73) 1,2-Dibromoethane	11.506	107	142290	21.74	ug/L	96
74) 3,3-dimethyl-1-butanol	11.597	57	592633	1327.26	ug/L	100
75) 2-hexanone	11.658	43	515340	114.51	ug/L	98
76) 1-Chlorohexane	11.944	91	201251m	26.02	ug/L	
77) Ethylbenzene	12.005	91	734864	22.68	ug/L	98
78) Chlorobenzene	12.012	112	434468	22.53	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	152012	22.75	ug/L	100
80) m,p-Xylene	12.146	91	1122803	45.92	ug/L	99
81) o-Xylene	12.591	91	543501	23.00	ug/L	98
82) Styrene	12.639	104	385546	23.29	ug/L	99
83) Bromoform	12.700	173	91866	21.74	ug/L	99
84) Isopropylbenzene	12.889	105	688616	23.95	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	46345	20.32	ug/L	88
88) n-Propylbenzene	13.310	91	782291	23.06	ug/L	98
89) Bromobenzene	13.334	156	184386	21.36	ug/L	100
90) 1,1,2,2-Tetrachloroethane	13.383	83	183461	21.60	ug/L	98
91) 1,3,5-Trimethylbenzene	13.493	105	544812	22.50	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:35:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

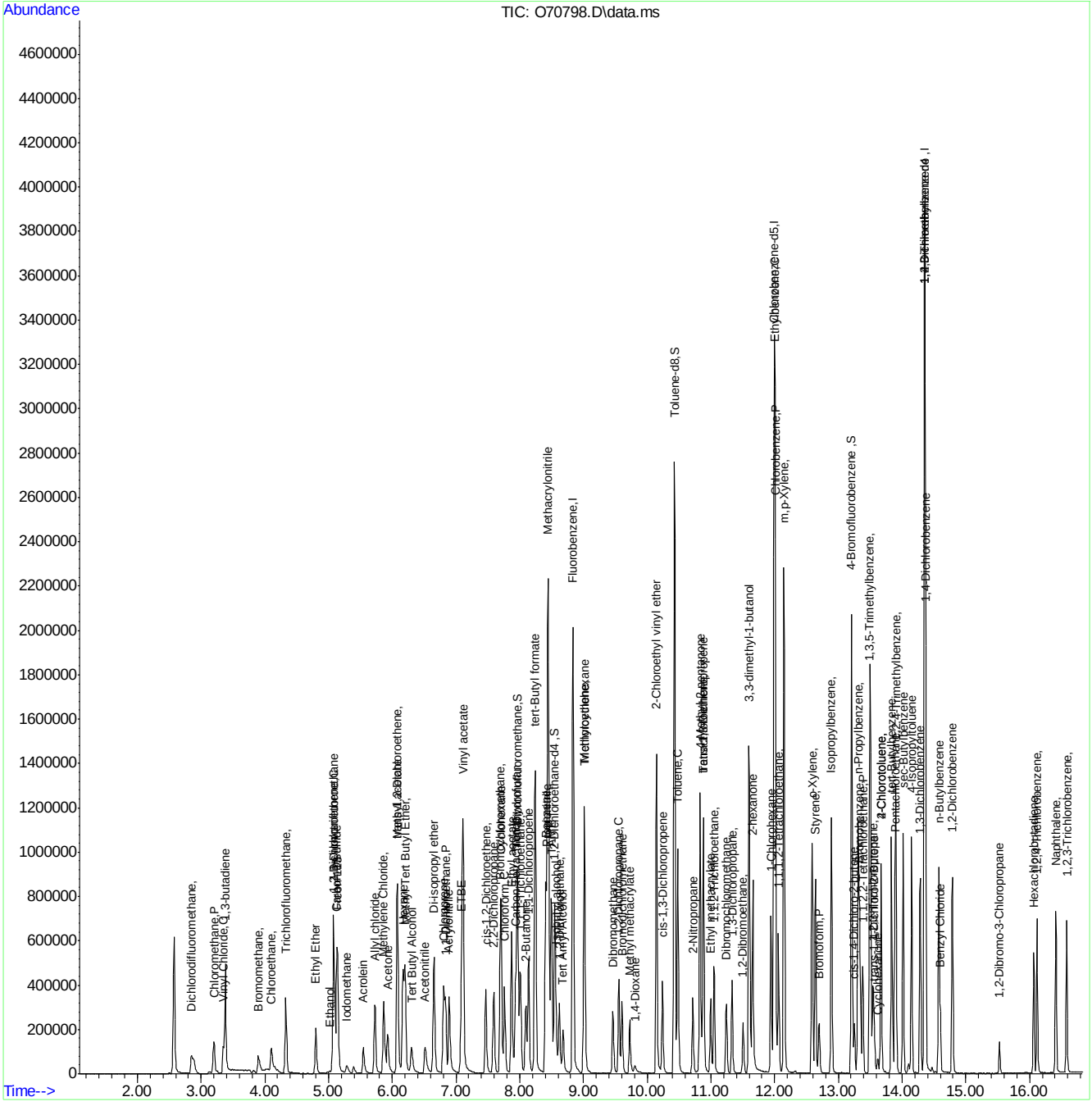
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	474741	22.62	ug/L		100
93) trans-1,4-Dichloro-2-B...	13.566	53	36122	16.67	ug/L	#	77
94) 1,2,3-Trichloropropane	13.542	110	57084	21.04	ug/L		98
95) Cyclohexanone	13.621	55	27026	134.18	ug/L		96
96) 4-Chlorotoluene	13.670	91	474741	22.62	ug/L		100
97) tert-Butylbenzene	13.834	91	301096	23.17	ug/L		99
99) 1,2,4-Trimethylbenzene	13.901	105	538248	22.95	ug/L		99
100) Pentachloroethane	13.889	167	96313	21.82	ug/L		98
101) sec-Butylbenzene	14.017	105	642880	24.80	ug/L		99
102) 4-Isopropyltoluene	14.151	119	555787	24.46	ug/L		99
103) 1,3-Dichlorobenzene	14.285	146	338800	22.56	ug/L		99
104) 1,2,3-Trimethylbenzene	14.359	105	574007	23.08	ug/L		99
105) 1,4-Dichlorobenzene	14.371	146	360880	23.52	ug/L		100
106) n-Butylbenzene	14.578	92	248715	22.06	ug/L		98
107) Benzyl Chloride	14.602	126	33778	14.37	ug/L		99
108) 1,2-Dichlorobenzene	14.791	146	316108	22.12	ug/L		98
109) 1,2-Dibromo-3-Chloropr...	15.529	75	25039	18.64	ug/L		96
110) Hexachlorobutadiene	16.066	225	79504	24.37	ug/L		96
111) 1,2,4-Trichlorobenzene	16.120	180	185597	21.55	ug/L		99
112) Naphthalene	16.413	128	478454	21.71	ug/L		99
113) 1,2,3-Trichlorobenzene	16.584	180	180408	21.26	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:35:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

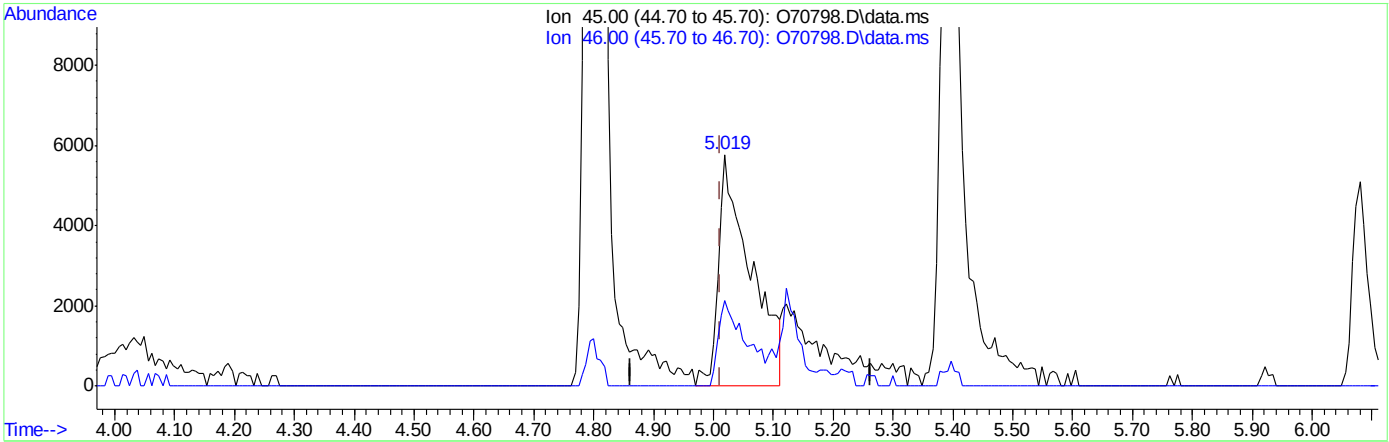
Sample Number: VO2808-BS
Lab FileID: O70798.D
Injection Time: 09/01/22 11:54
Method: SW846 8260D
Analyst approved: 09/01/22 12:35 Jo-Ann Lugo De Jesus
Supervisor approved: 09/02/22 08:58 Karen Watson

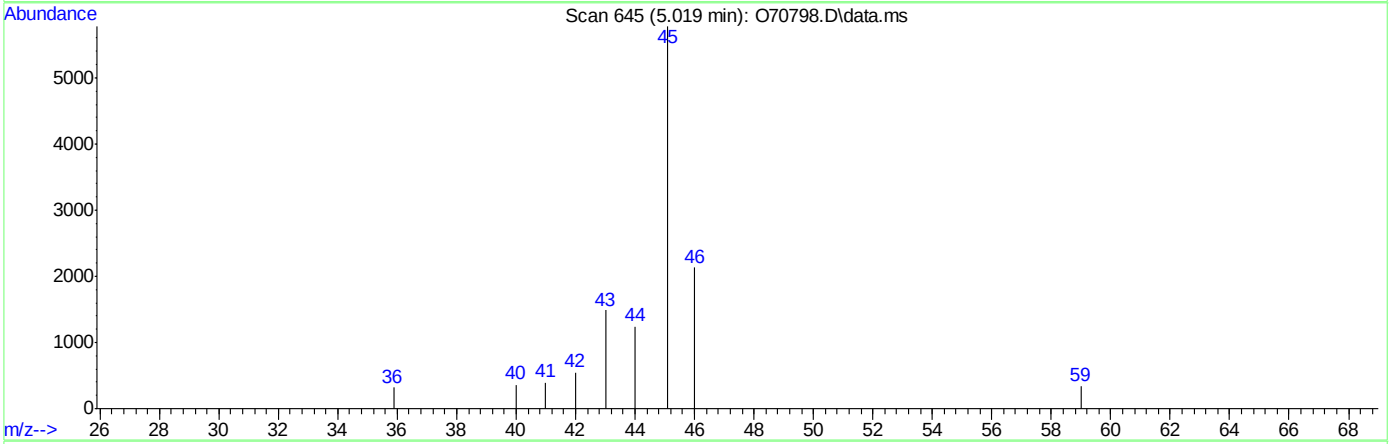
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.02	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:34:52 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70798.D\data.ms

(10) Ethanol

5.019min (+0.006) 391.70ug/L

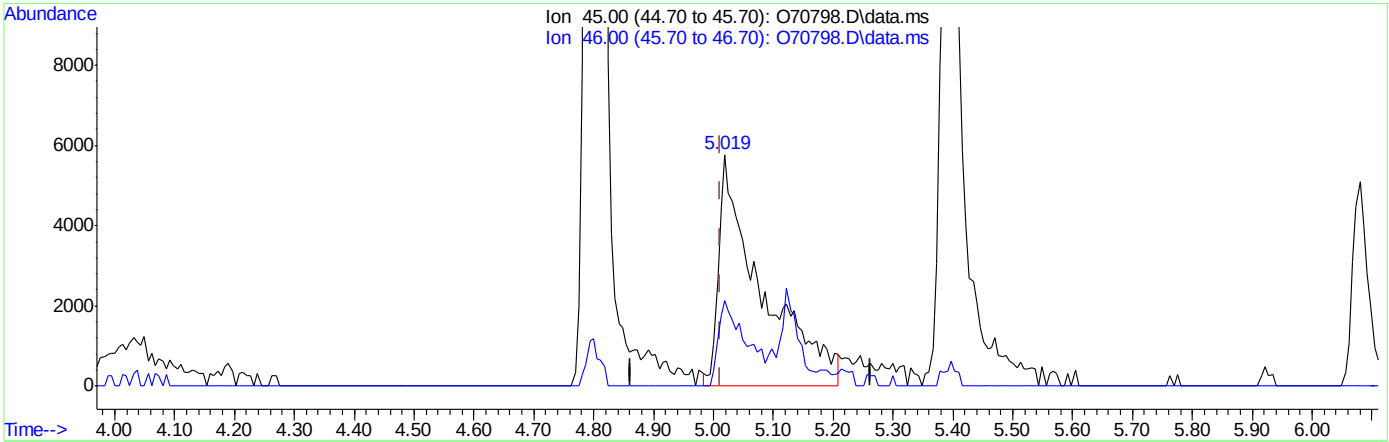
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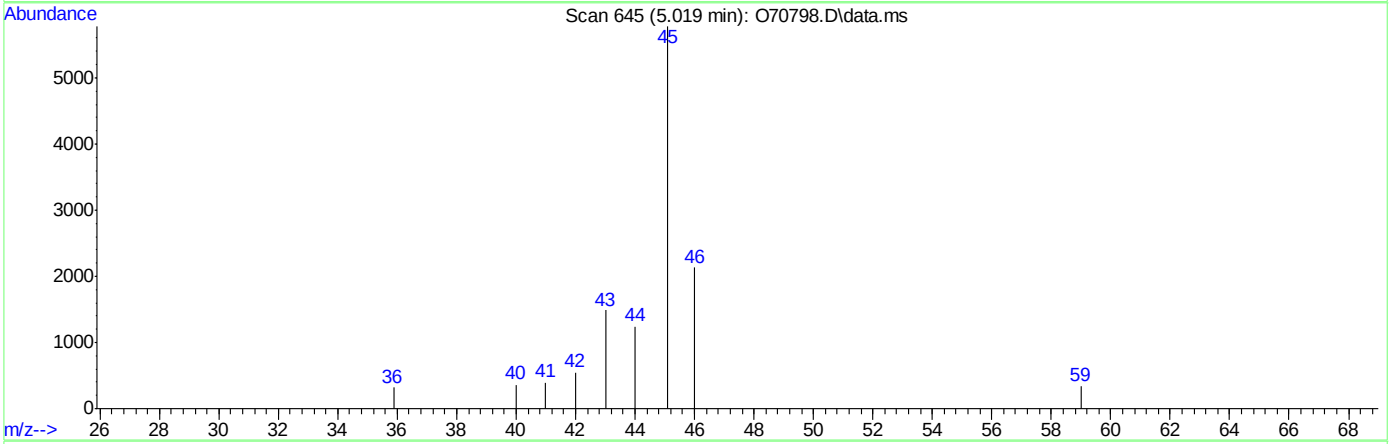
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	36.87
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:34:52 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70798.D\data.ms

(10) Ethanol

5.019min (+0.006) 515.10ug/L m

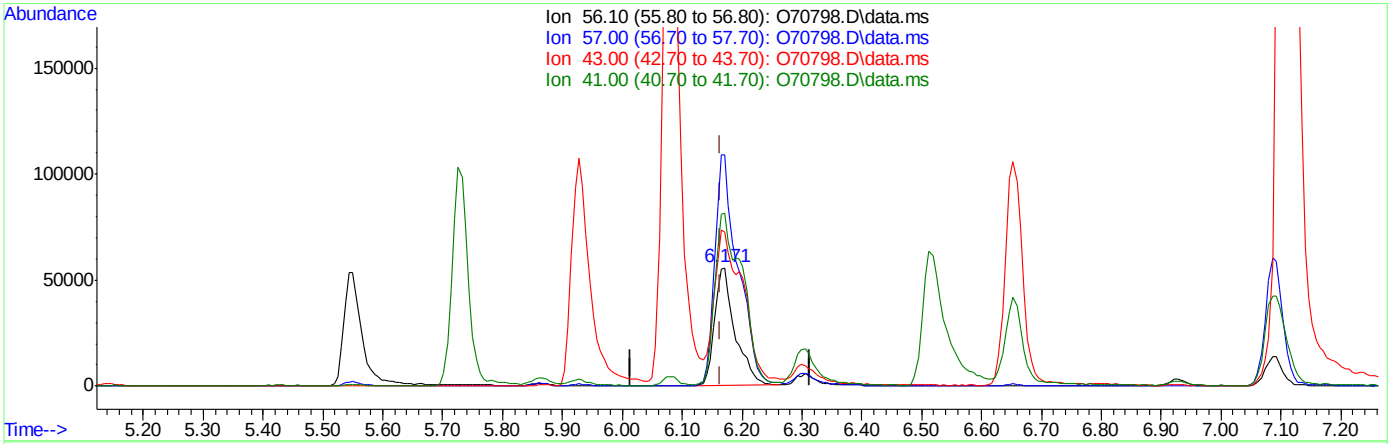
response 28571

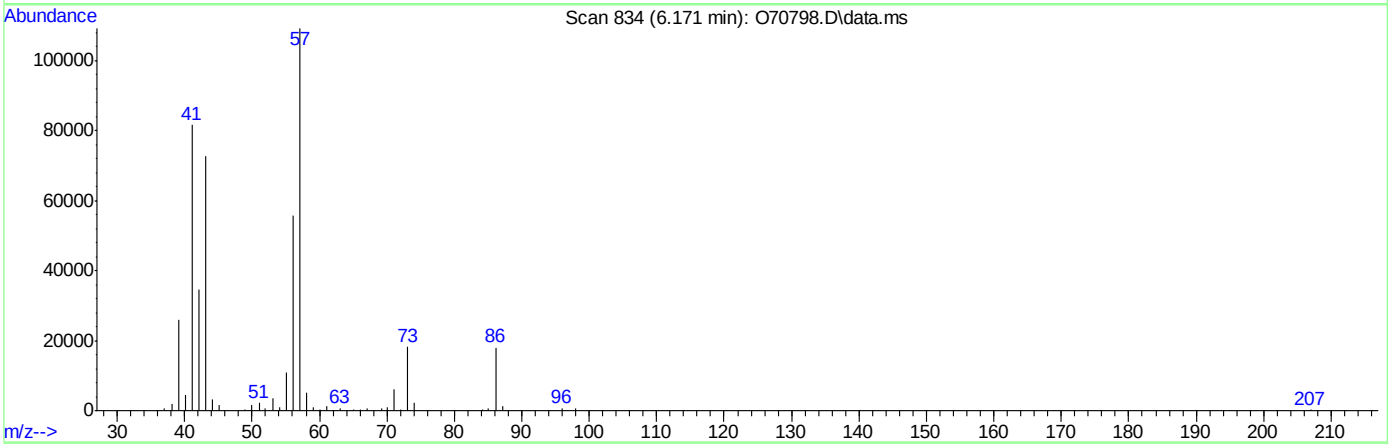
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	36.87
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
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Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70798.D\data.ms

(22) Hexane

6.171min (+0.006) 36.65ug/L

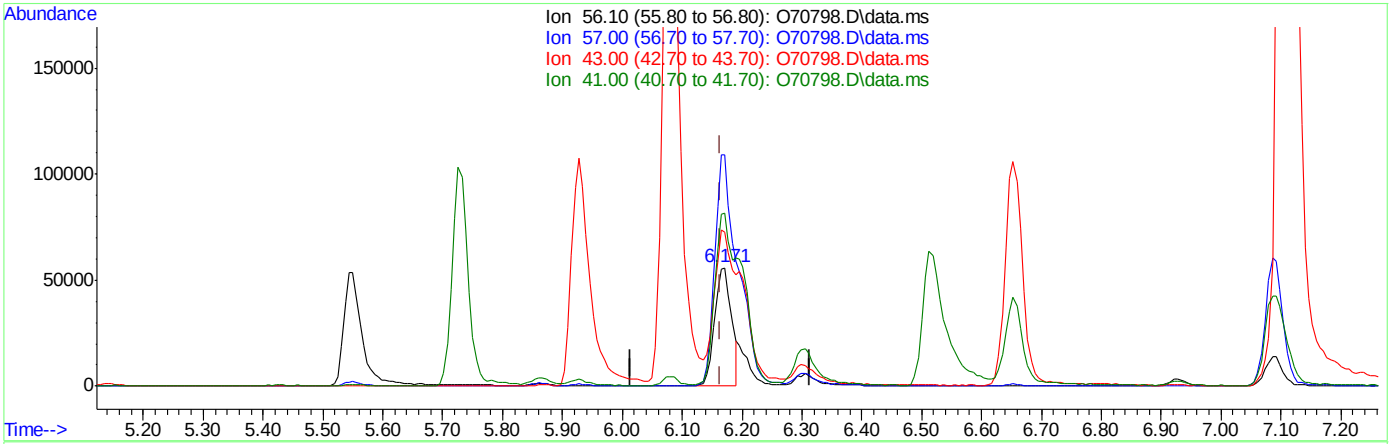
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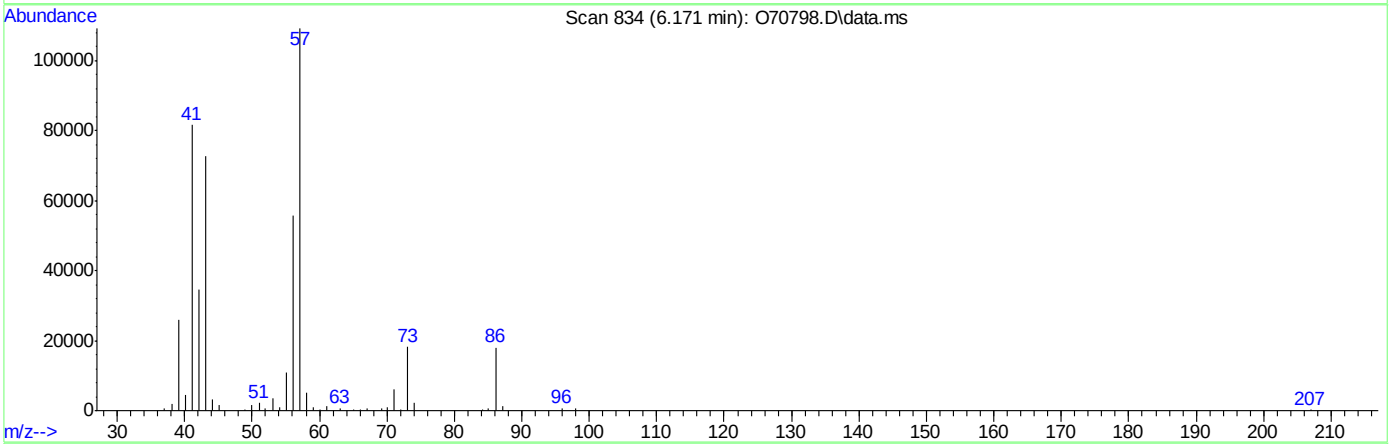
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	196.14
43.00	133.10	124.61
41.00	145.50	145.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
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Quant Time: Sep 01 12:34:52 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70798.D\data.ms

(22) Hexane

6.171min (+0.006) 30.48ug/L m

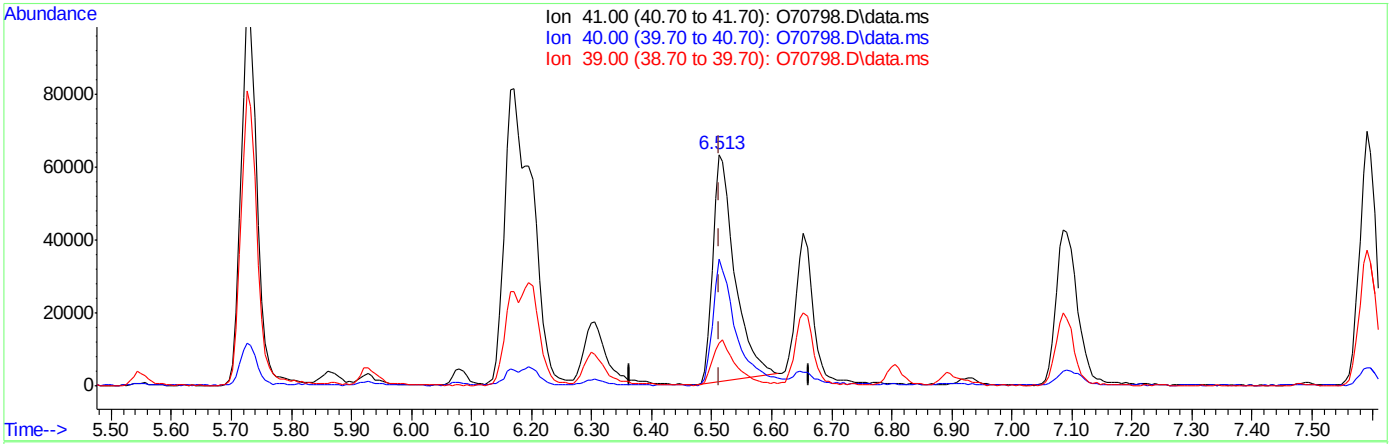
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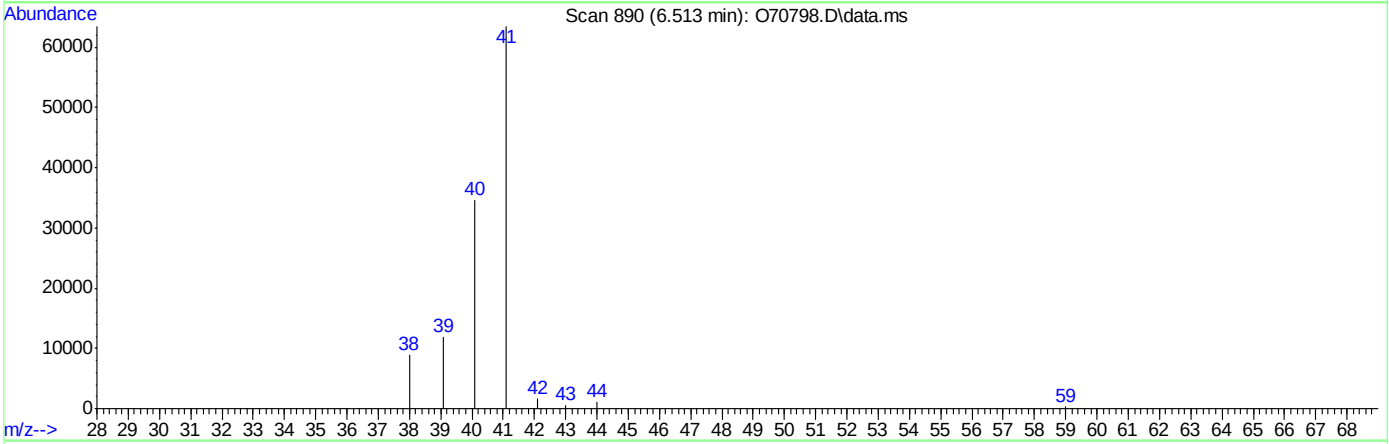
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	196.14
43.00	133.10	130.45
41.00	145.50	146.52

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:34:52 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70798.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 200.66ug/L

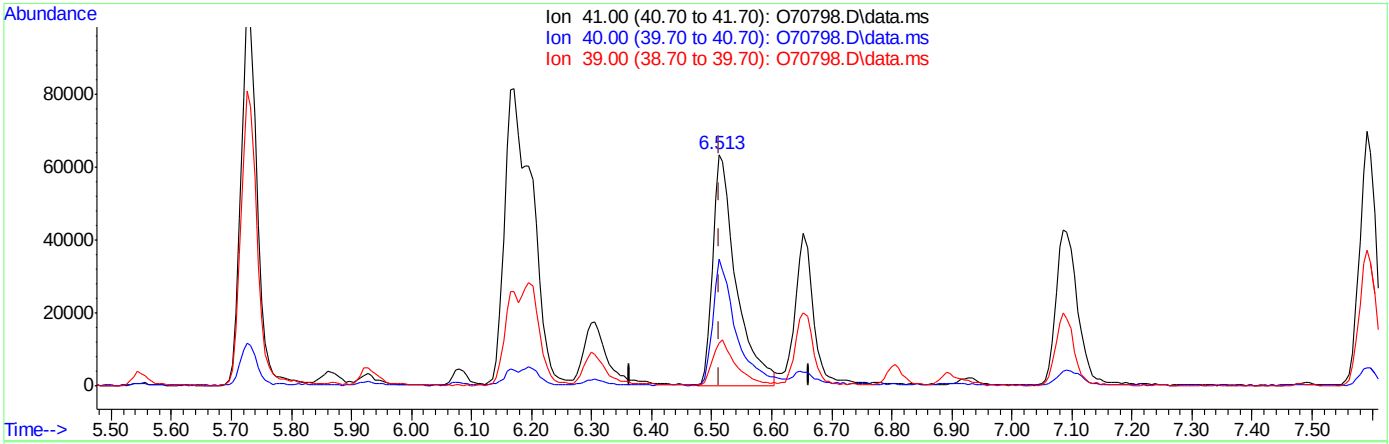
response 157542

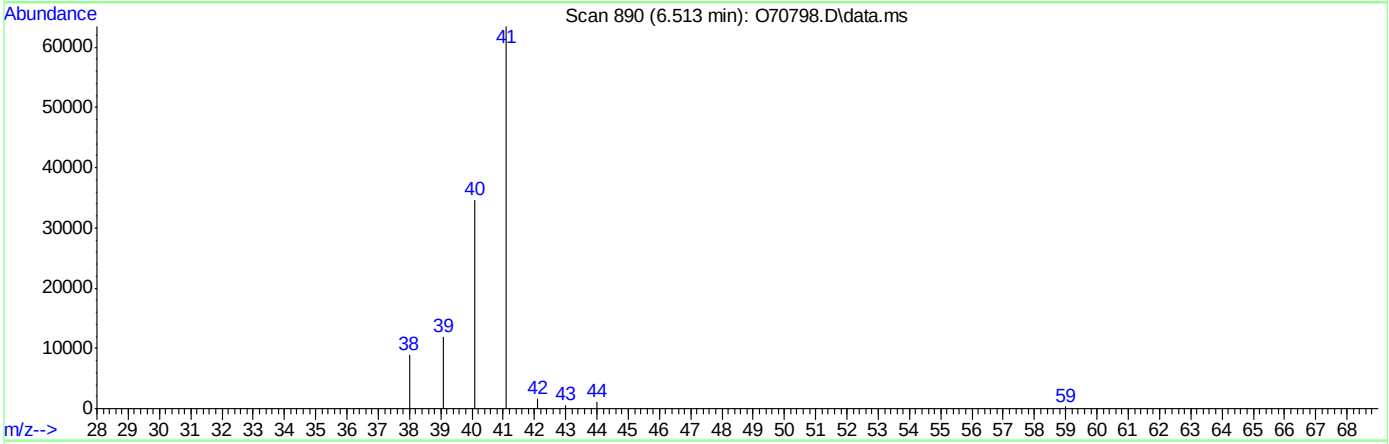
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.60
39.00	20.00	18.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:34:52 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70798.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 218.83ug/L m

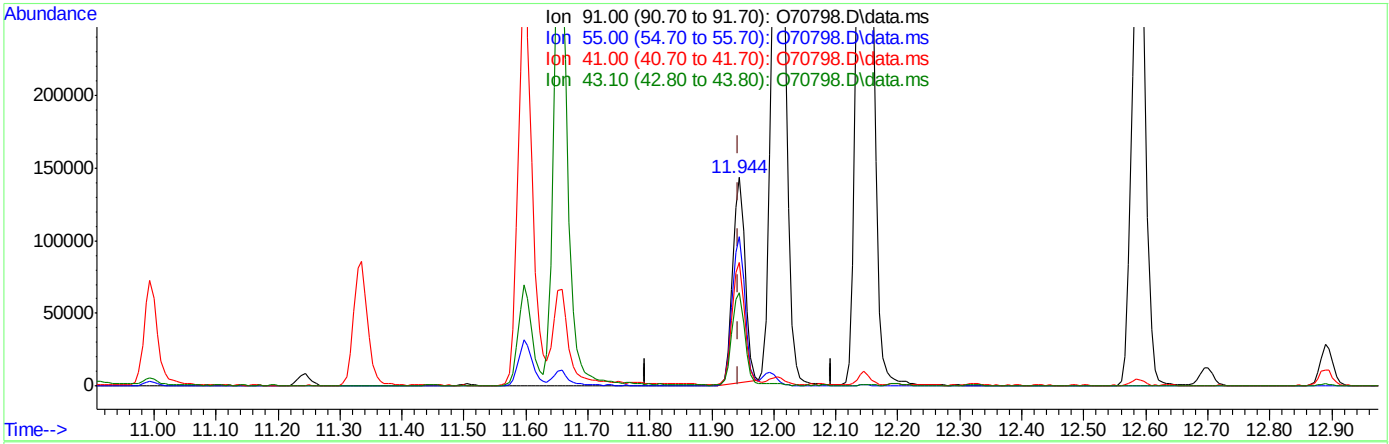
response 171833

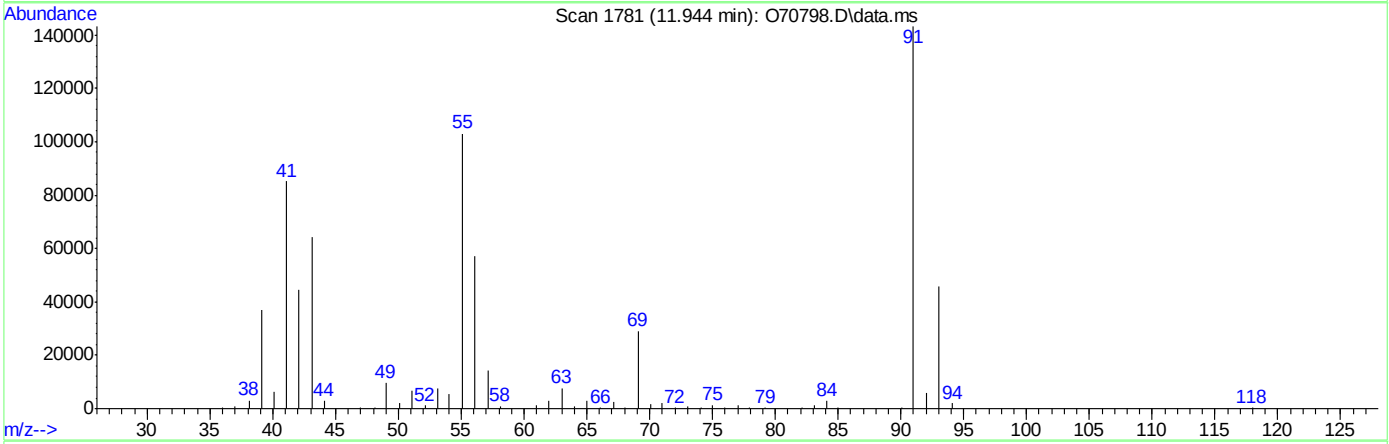
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.68
39.00	20.00	18.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:34:52 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70798.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 24.99ug/L

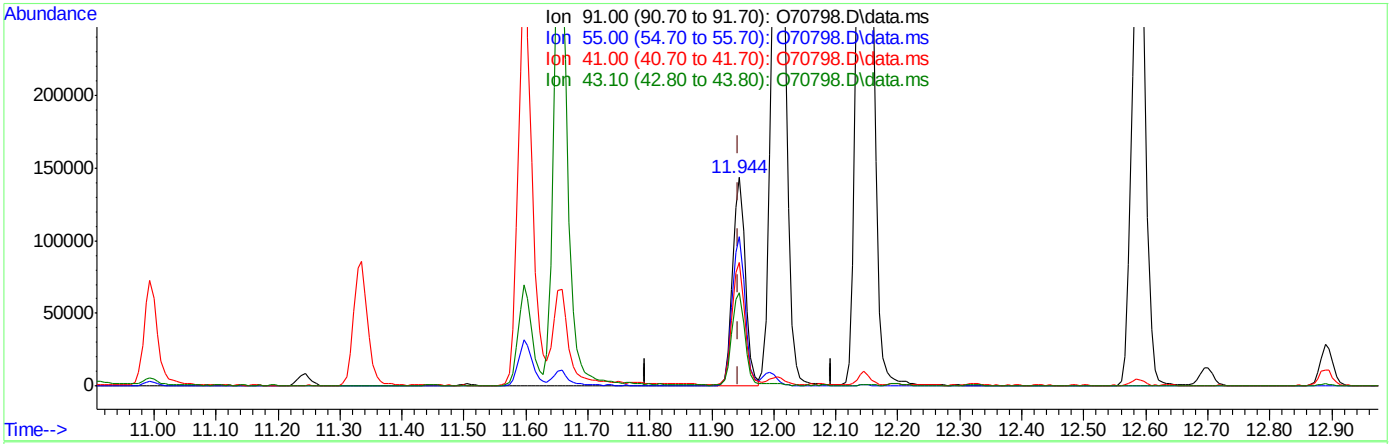
response 193235

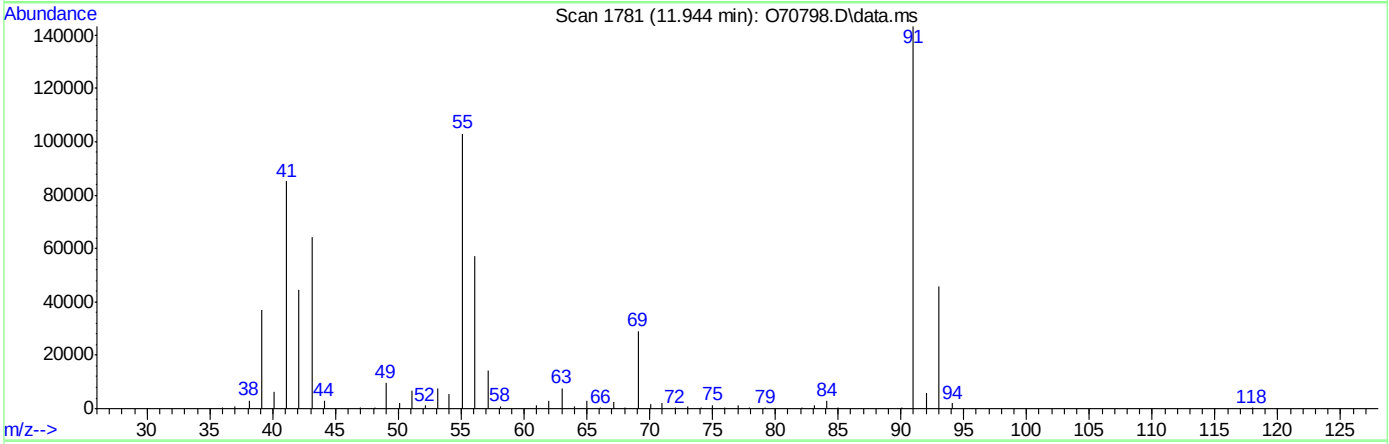
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	71.65
41.00	54.70	58.55
43.10	44.50	44.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70798.D
Acq On : 1 Sep 2022 11:54 am
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 12:34:52 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70798.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 26.02ug/L m

response 201251

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	71.94
41.00	54.70	59.46
43.10	44.50	44.74

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 14:37

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:48:05 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.723	96	1238897	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.642	117	914632	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.330	152	434633	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.263	113	266228	50.56	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.12%			
49) 1,2-Dichloroethane-d4	3.550	65	371530	50.80	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.60%			
63) Toluene-d8	4.648	98	1221182	48.52	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.04%			
86) 4-Bromofluorobenzene	6.494	174	331888	48.96	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.92%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.119	85	90671	26.51	ug/L	99
3) Chloromethane	1.250	50	100445	26.58	ug/L	93
4) 1,3-butadiene	1.318	39	102527	29.20	ug/L	99
5) Vinyl Chloride	1.302	62	128683	27.94	ug/L	97
6) Bromomethane	1.506	94	64452	22.61	ug/L	96
7) Chloroethane	1.580	64	36449	24.00	ug/L	93
8) Trichlorofluoromethane	1.668	101	152532	30.85	ug/L	100
9) Ethyl Ether	1.878	59	104666	24.29	ug/L	96
10) Ethanol	1.961	45	68791	534.54	ug/L	98
11) 1,2-Dichlorotrifluoroe...	1.977	67	133258	33.05	ug/L	98
12) 1,1-Dichloroethene	1.982	61	172280	29.25	ug/L	99
13) Freon 113	2.013	101	105208	28.59	ug/L	97
14) Carbon Disulfide	1.998	76	222982	23.48	ug/L	95
15) Iodomethane	2.061	142	62296	25.38	ug/L	99
16) Acrolein	2.155	56	174000	110.38	ug/L	98
17) Allyl chloride	2.249	41	129949	30.68	ug/L	96
18) Methylene Chloride	2.301	49	148430	23.10	ug/L	97
19) Acetone	2.317	43	391594	137.54	ug/L	99
20) Methyl acetate	2.395	43	795966	138.08	ug/L	99
21) trans-1,2-Dichloroethene	2.400	61	165086	27.67	ug/L	99
22) Hexane	2.468	56	96226	32.86	ug/L	97
23) Methyl Tert Butyl Ether	2.474	73	418474	30.78	ug/L	87
24) Tert Butyl Alcohol	2.510	59	425520	253.03	ug/L	97
25) Acetonitrile	2.552	41	231189	242.35	ug/L	99
26) Di-isopropyl ether	2.688	45	348637	27.61	ug/L	99
27) Chloroprene	2.730	53	604323	33.60	ug/L	93
28) 1,1-Dichloroethane	2.730	63	221135	28.19	ug/L	100
29) Acrylonitrile	2.730	52	400179	140.73	ug/L	85
30) ETBE	2.881	59	370359	25.04	ug/L	99
31) Vinyl acetate	2.860	43	1317150	129.46	ug/L	99
32) cis-1,2-Dichloroethene	3.022	96	126355	27.00	ug/L	97
33) 2,2-Dichloropropane	3.085	77	156978	26.10	ug/L	98
34) Bromochloromethane	3.127	128	53233	25.17	ug/L	97
35) Cyclohexane	3.164	56	215682	29.61	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:48:05 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.169	83	213941	27.17	ug/L		99
37) Ethyl acetate	3.226	43	998121	129.70	ug/L		100
38) Tetrahydrofuran	3.258	42	81421	27.71	ug/L		97
40) Carbon Tetrachloride	3.268	117	132660m	27.68	ug/L		
41) 1,1,1-Trichloroethane	3.294	97	187808	27.97	ug/L		96
42) 2-Butanone	3.315	43	651411	135.74	ug/L		100
43) 1,1-Dichloropropene	3.362	75	161842	27.40	ug/L		97
44) tert-Butyl formate	3.409	59	368176	113.95	ug/L		95
45) Propionitrile	3.462	54	390315	257.71	ug/L		99
46) Methacrylonitrile	3.483	41	1060075	262.02	ug/L		99
47) Benzene	3.493	78	502810	26.67	ug/L		98
48) TAME	3.566	73	475969	35.39	ug/L		97
50) Isobutyl alcohol	3.587	43	453604m	585.45	ug/L		
51) 1,2-Dichloroethane	3.587	62	174499	25.85	ug/L		99
52) Tert Amyl Alcohol	3.650	59	341428	241.82	ug/L		95
53) Trichloroethene	3.828	95	126610	26.09	ug/L		97
54) Methylcyclohexane	3.848	83	199720	31.07	ug/L		98
55) Dibromomethane	4.052	93	66437	24.92	ug/L		90
56) 1,2-Dichloropropane	4.110	63	115183	25.14	ug/L		98
57) Bromodichloromethane	4.146	83	128325	26.35	ug/L		97
58) Methyl methacrylate	4.235	41	126078	24.94	ug/L		96
59) 1,4-Dioxane	4.256	88	79549	552.59	ug/L		97
60) 2-Chloroethyl vinyl ether	4.481	63	491915	129.08	ug/L		98
61) cis-1,3-Dichloropropene	4.523	75	163597	25.86	ug/L		95
64) Toluene	4.680	91	540264	25.02	ug/L		99
65) 2-Nitropropane	4.779	41	183341	113.20	ug/L		96
66) 4-Methyl-2-pentanone	4.889	43	1051984	126.29	ug/L		99
67) trans-1,3-Dichloropropene	4.920	75	161014	26.24	ug/L		85
68) Tetrachloroethene	4.936	166	122339	26.67	ug/L		97
69) Ethyl methacrylate	5.030	69	179320	23.84	ug/L		97
70) 1,1,2-Trichloroethane	5.020	83	91867	24.87	ug/L		96
71) Dibromochloromethane	5.145	129	89812	24.10	ug/L		98
72) 1,3-Dichloropropane	5.197	76	189324	23.06	ug/L		97
73) 1,2-Dibromoethane	5.297	107	111693	25.02	ug/L		90
74) 3,3-dimethyl-1-butanol	5.417	57	2262068	1219.54	ug/L		99
75) 2-hexanone	5.433	43	1211464	129.53	ug/L	#	70
76) 1-Chlorohexane	5.652	91	171247m	24.87	ug/L		
77) Ethylbenzene	5.684	91	610875	25.80	ug/L		99
78) Chlorobenzene	5.657	112	326313	25.24	ug/L		97
79) 1,1,1,2-Tetrachloroethane	5.699	131	100821	25.19	ug/L		99
80) m,p-Xylene	5.783	91	950801	50.77	ug/L		99
81) o-Xylene	6.081	91	475872	25.82	ug/L		97
82) Styrene	6.112	104	358059	25.39	ug/L		99
83) Bromoform	6.117	173	47435	23.80	ug/L		99
84) Isopropylbenzene	6.311	105	563115	26.48	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.525	53	49553	20.96	ug/L		91
88) n-Propylbenzene	6.609	91	667936	25.05	ug/L		100
89) Bromobenzene	6.572	156	127021	23.56	ug/L		94
90) 1,1,2,2-Tetrachloroethane	6.630	83	172874	24.03	ug/L		98
91) 1,3,5-Trimethylbenzene	6.755	105	449533	24.21	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:48:05 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

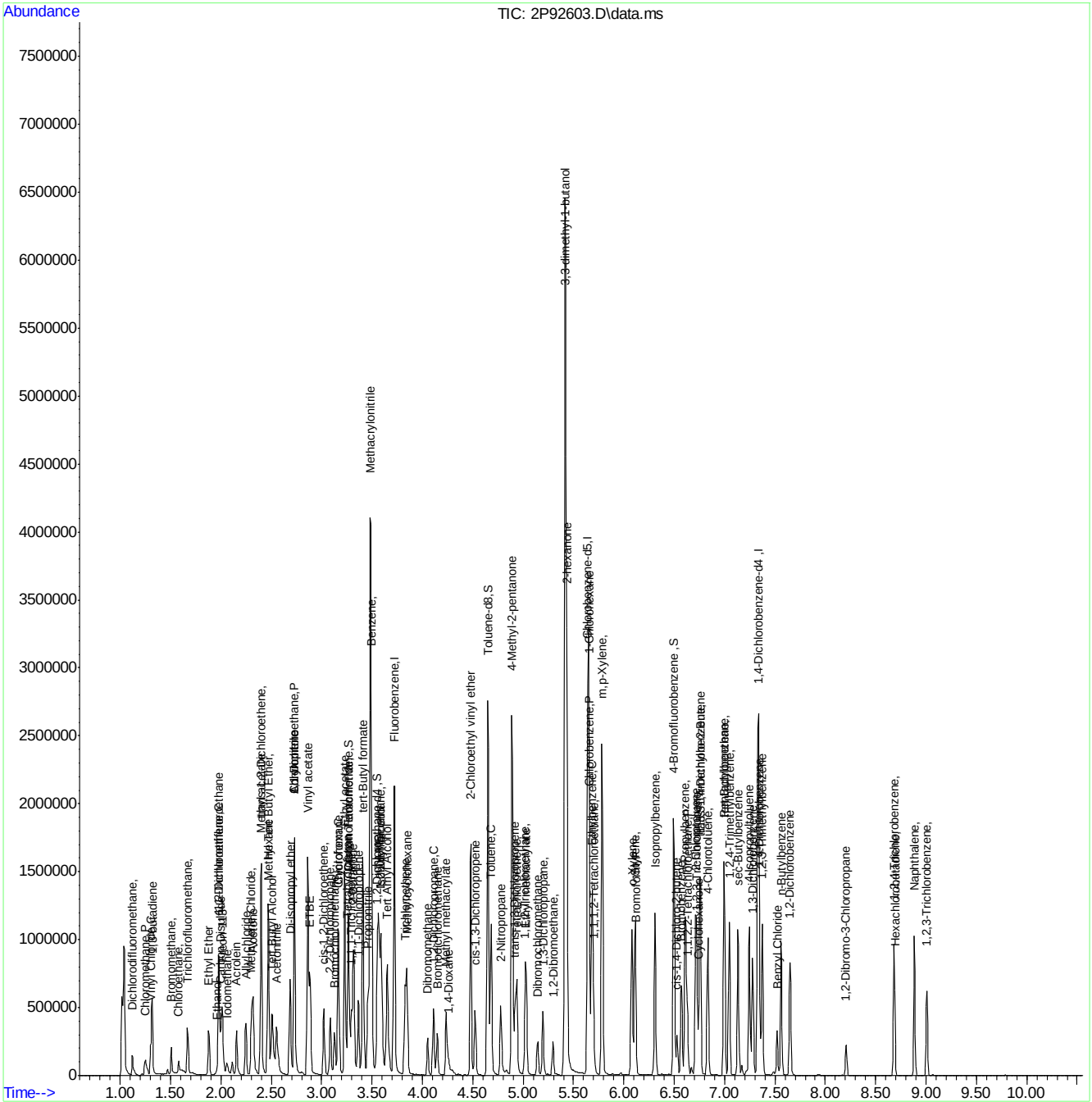
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.713	91	393812	24.47	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.760	53	60174	19.52	ug/L		94
94)	1,2,3-Trichloropropane	6.724	110	60650	22.60	ug/L		98
95)	Cyclohexanone	6.745	55	76259	135.74	ug/L		97
96)	4-Chlorotoluene	6.834	91	413550	24.38	ug/L		98
97)	tert-Butylbenzene	6.996	91	256668	25.18	ug/L		97
99)	1,2,4-Trimethylbenzene	7.048	105	452889	25.01	ug/L		99
100)	Pentachloroethane	6.996	167	55589	25.15	ug/L	#	78
101)	sec-Butylbenzene	7.132	105	526364	26.66	ug/L		99
102)	4-Isopropyltoluene	7.247	119	464122	26.82	ug/L		99
103)	1,3-Dichlorobenzene	7.278	146	241176	24.90	ug/L		99
104)	1,2,3-Trimethylbenzene	7.372	105	459692	25.31	ug/L		100
105)	1,4-Dichlorobenzene	7.346	146	245143	24.22	ug/L		95
106)	n-Butylbenzene	7.560	92	206473	24.43	ug/L		99
107)	Benzyl Chloride	7.524	126	29299	15.27	ug/L	#	92
108)	1,2-Dichlorobenzene	7.649	146	225647	24.82	ug/L		99
109)	1,2-Dibromo-3-Chloropr...	8.203	75	35209	22.00	ug/L		91
110)	Hexachlorobutadiene	8.690	225	42980	26.31	ug/L		91
111)	1,2,4-Trichlorobenzene	8.684	180	116155	24.02	ug/L		96
112)	Naphthalene	8.883	128	477653	24.02	ug/L		100
113)	1,2,3-Trichlorobenzene	9.009	180	111897	24.65	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:48:05 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

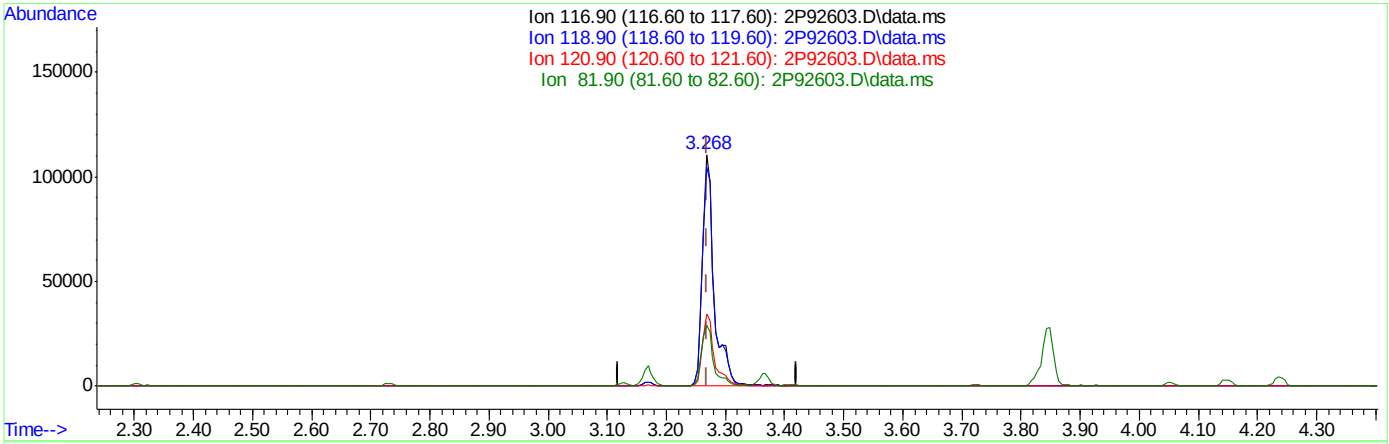
Sample Number: V2P3567-BS
Lab FileID: 2P92603.D
Injection Time: 09/01/22 13:36
Method: SW846 8260D
Analyst approved: 09/01/22 13:49 Courtney Failla
Supervisor approved: 09/02/22 14:37 Karen Watson

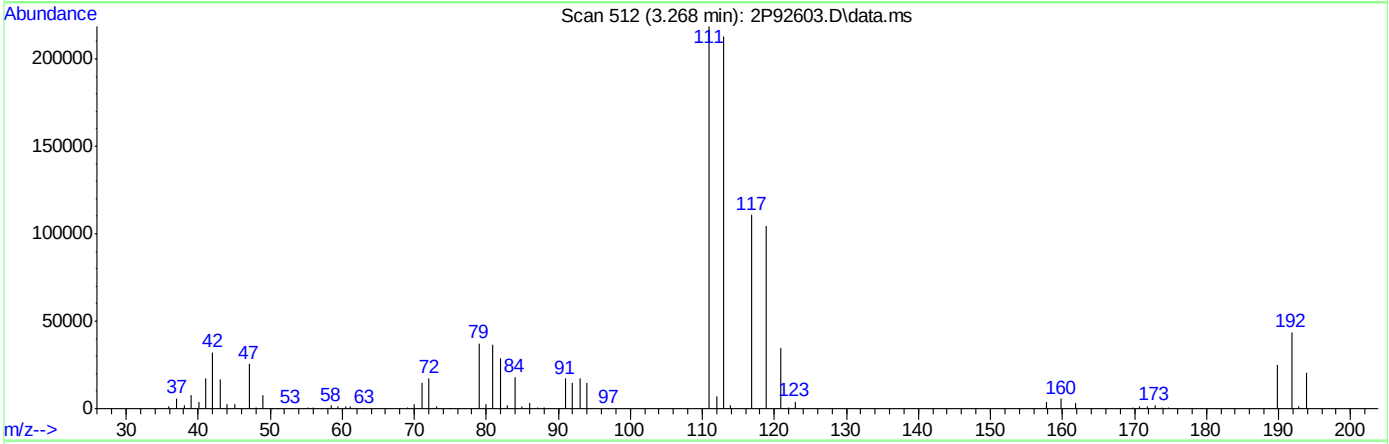
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:47:35 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92603.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (-0.002) 31.71ug/L

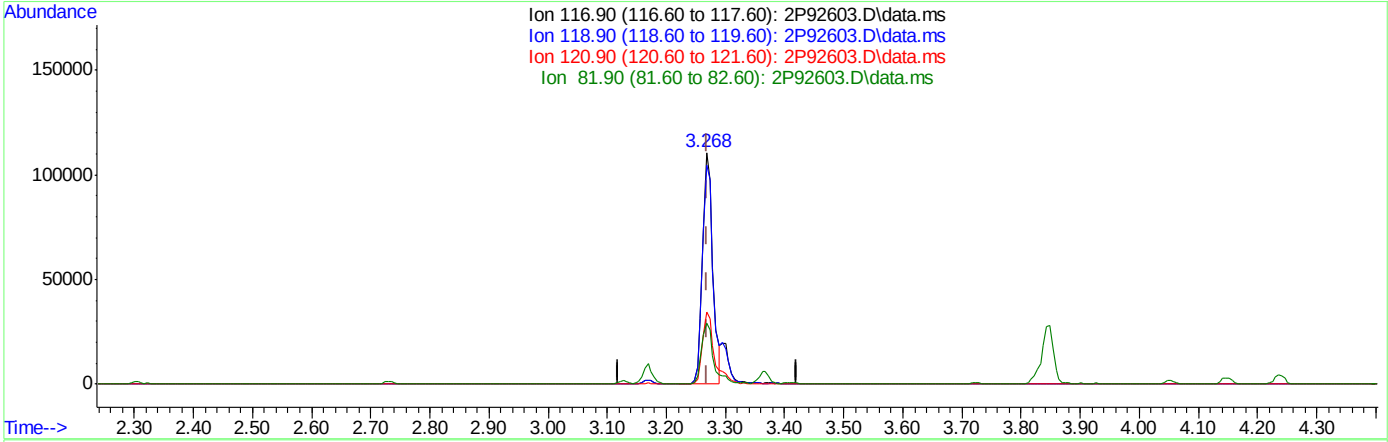
response 154035

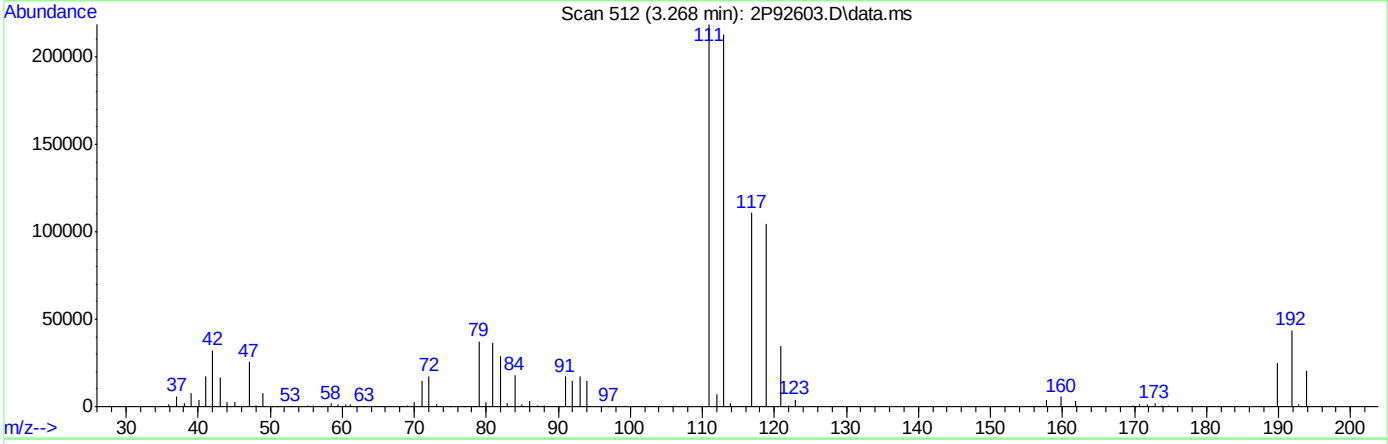
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	94.57
120.90	29.50	31.38
81.90	28.30	25.93

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:47:35 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92603.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (-0.002) 27.68ug/L m

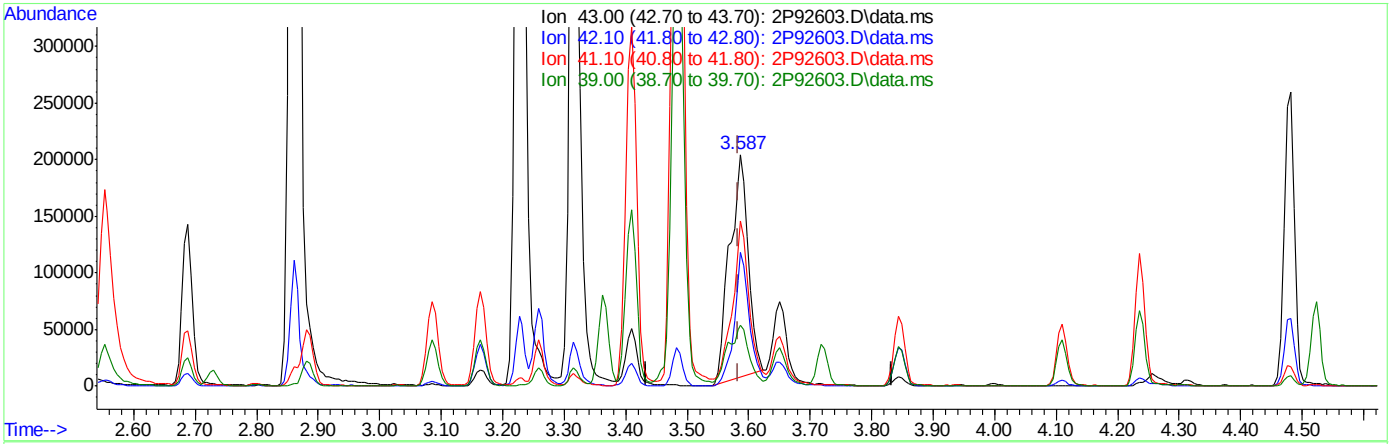
response 132660

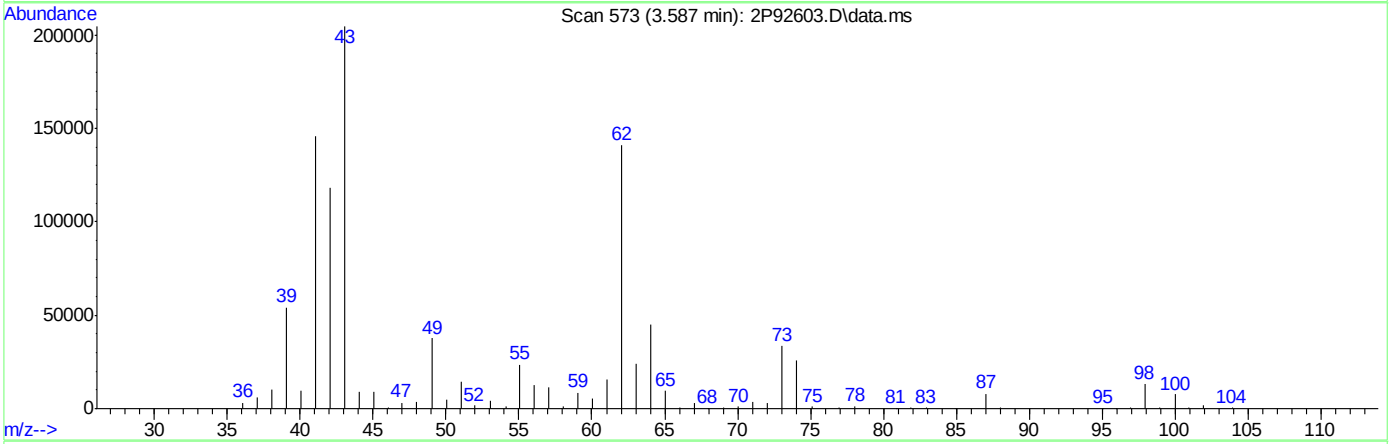
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	94.57
120.90	29.50	31.38
81.90	28.30	26.11

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:47:35 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92603.D\data.ms

(50) Isobutyl alcohol

3.587min (+0.003) 533.14ug/L

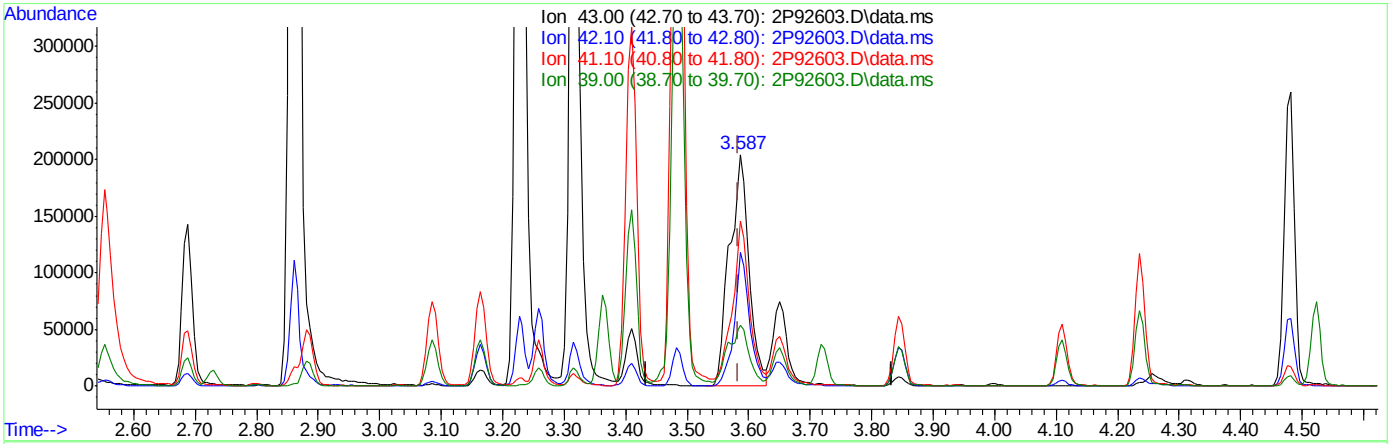
response 413078

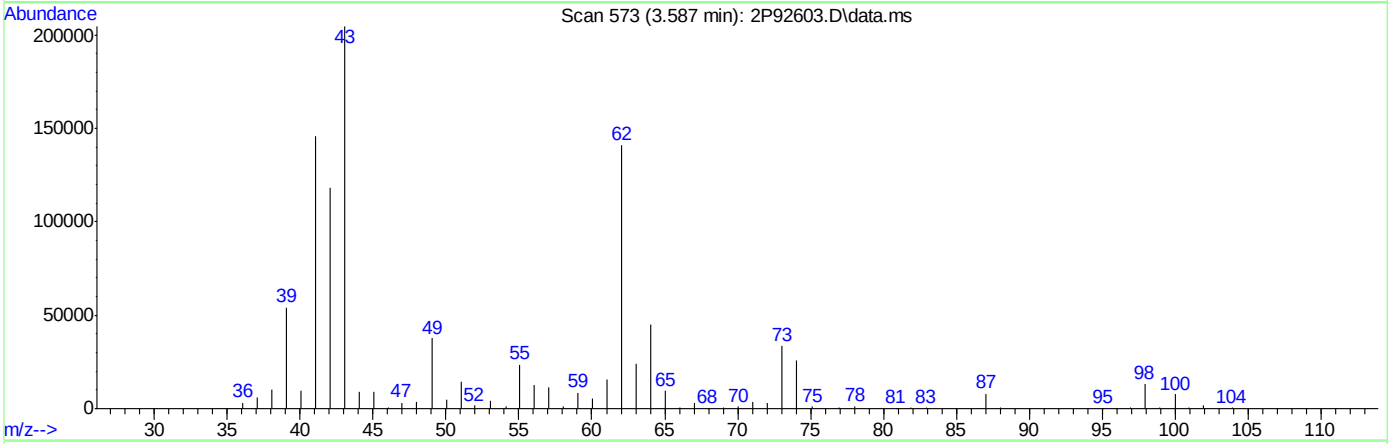
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.66
41.10	70.00	68.35
39.00	27.50	24.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:47:35 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92603.D\data.ms

(50) Isobutyl alcohol

3.587min (+0.003) 585.45ug/L m

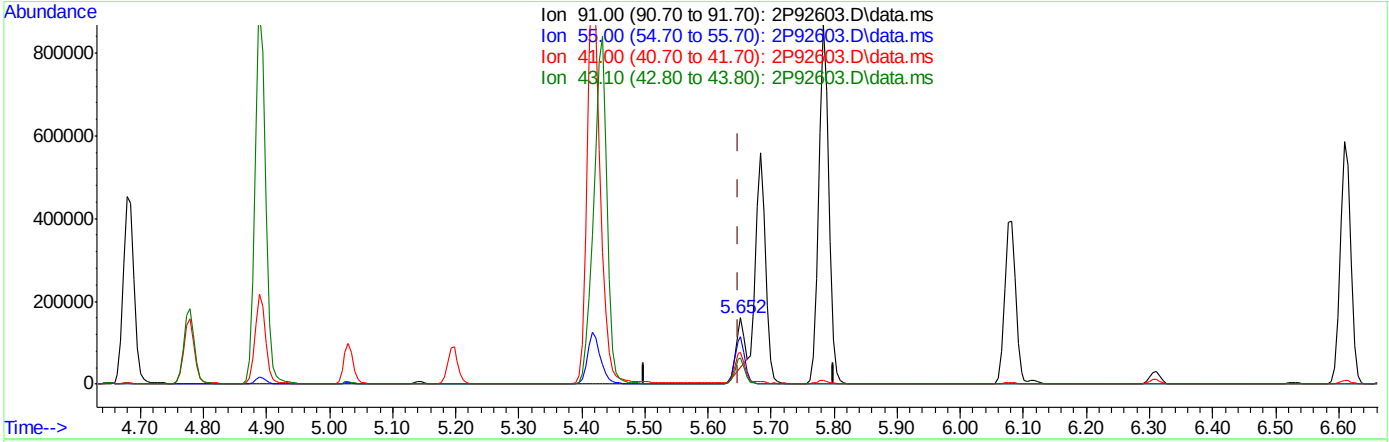
response 453604

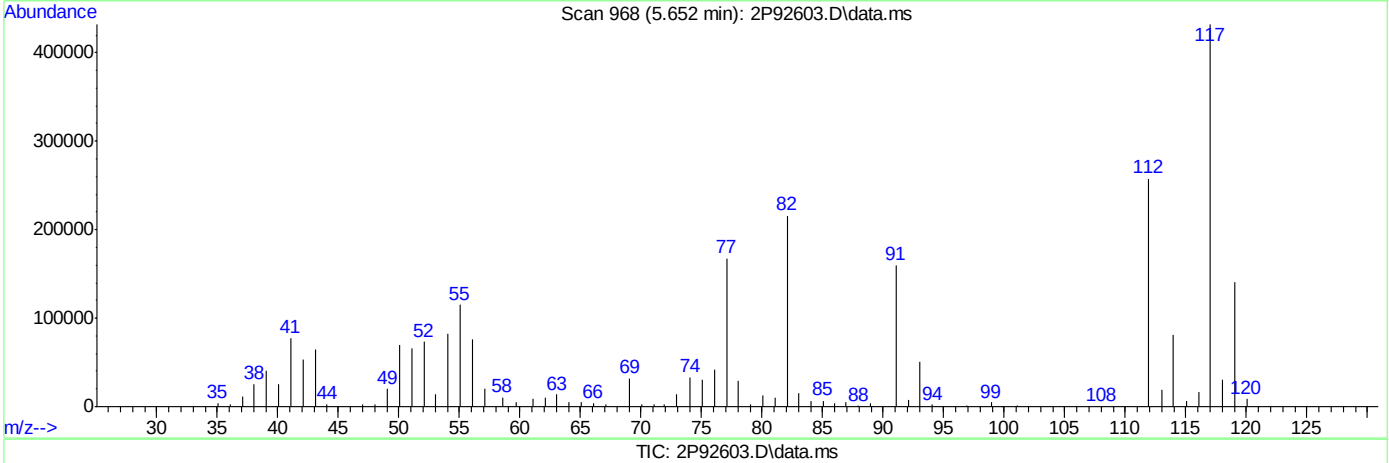
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.66
41.10	70.00	71.19
39.00	27.50	26.53

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:47:35 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92603.D\data.ms

(76) 1-Chlorohexane

5.652min (+0.003) 16.28ug/L

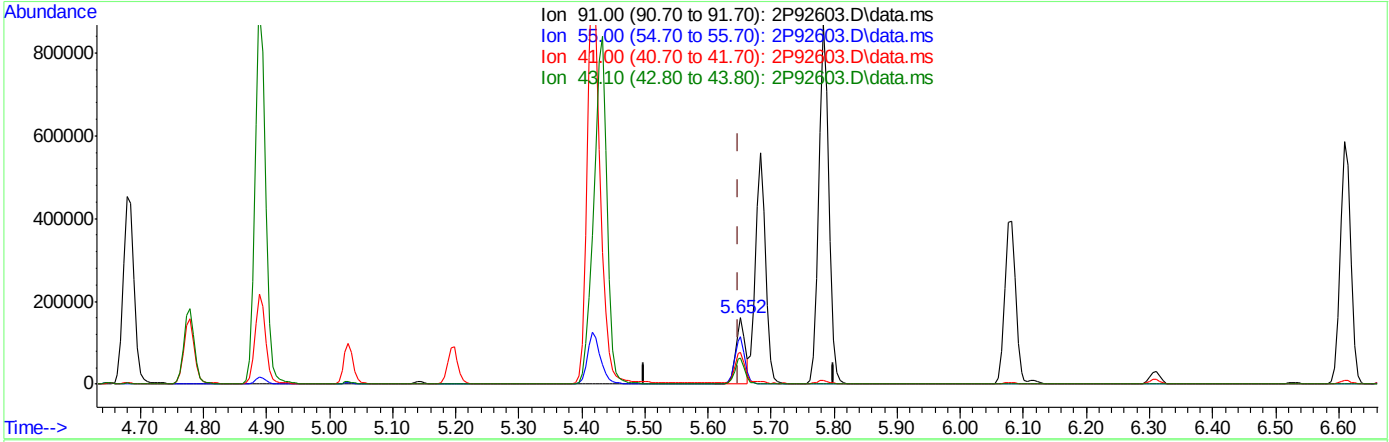
response 112141

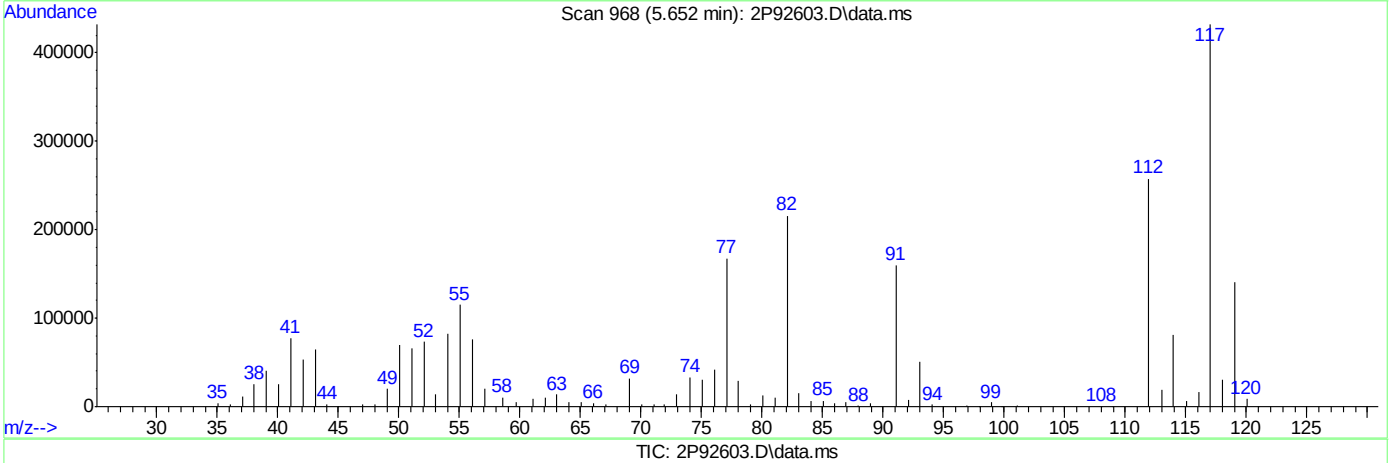
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	69.67
41.00	53.40	46.75
43.10	41.30	39.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92603.D
Acq On : 1 Sep 2022 1:36 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3567,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 01 13:47:35 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92603.D\data.ms

(76) 1-Chlorohexane

5.652min (+0.003) 24.87ug/L m

response 171247

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	71.73
41.00	53.40	48.61
43.10	41.30	40.15

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 16:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 02:10:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	628713	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	556556	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	285059	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	139011	49.35	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.70%		
49) 1,2-Dichloroethane-d4	9.205	65	169296	49.20	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	98.40%		
63) Toluene-d8	10.932	98	665464	48.34	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	96.68%		
86) 4-Bromofluorobenzene	13.007	174	204945	47.36	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	94.72%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.841	85	87921	24.67	ug/L	95
3) Acrolein	5.579	56	90189	105.30	ug/L	94
4) Chloromethane	3.170	50	102435	26.16	ug/L	91
5) 1,3-butadiene	3.340	39	93787	26.27	ug/L	99
6) Vinyl Chloride	3.310	62	108431	24.77	ug/L	98
7) Bromomethane	3.833	94	28173	32.89	ug/L	96
8) Chloroethane	4.022	64	46243	30.89	ug/L	99
9) Trichlorofluoromethane	4.247	101	126730	27.45	ug/L	100
10) Ethyl Ether	4.746	59	68543	23.94	ug/L	98
11) Ethanol	4.995	45	41645	544.11	ug/L	91
12) 1,2-Dichlorotrifluoroe...	5.038	67	100574	31.77	ug/L	96
13) 1,1-Dichloroethene	5.050	61	114377	26.68	ug/L	97
14) Freon 113	5.104	101	75829	25.45	ug/L	99
15) Carbon Disulfide	5.098	76	169904	20.85	ug/L	98
16) Iodomethane	5.275	142	17598	24.58	ug/L	76
17) Allyl chloride	5.786	41	115298	28.65	ug/L	98
18) Methylene Chloride	5.956	49	138717	27.18	ug/L	98
19) Acetone	6.035	43	254692	141.08	ug/L	98
20) Methyl acetate	6.230	43	562483	137.53	ug/L	97
21) trans-1,2-Dichloroethene	6.218	61	109439	25.60	ug/L	93
22) Hexane	6.327	56	68746m	29.84	ug/L	
23) Methyl Tert Butyl Ether	6.376	73	288543	29.31	ug/L	87
24) Tert Butyl Alcohol	6.528	59	258211	253.89	ug/L	99
25) Acetonitrile	6.784	41	197150	246.85	ug/L	98
26) Di-isopropyl ether	6.984	45	271711	25.98	ug/L	96
27) Chloroprene	7.173	53	119565	128.85	ug/L	98
28) 1,1-Dichloroethane	7.209	63	149777	26.93	ug/L	94
29) Acrylonitrile	7.301	53	281511	129.36	ug/L	99
30) ETBE	7.574	59	238721	22.90	ug/L	98
31) Vinyl acetate	7.599	43	1092066	131.20	ug/L	100
32) cis-1,2-Dichloroethene	8.031	96	90589	25.57	ug/L	95
33) 2,2-Dichloropropane	8.164	77	119604	25.94	ug/L	98
34) Bromochloromethane	8.286	128	37905	22.92	ug/L	92
35) Cyclohexane	8.292	56	167483	27.32	ug/L	98
36) Chloroform	8.377	83	141664	25.54	ug/L	94
37) Ethyl acetate	8.511	43	816008	129.32	ug/L	99
38) Tetrahydrofuran	8.584	42	58377	22.94	ug/L	92
40) Carbon Tetrachloride	8.554	117	99498	26.72	ug/L	93
41) 1,1,1-Trichloroethane	8.633	97	127580	26.30	ug/L	98
42) 2-Butanone	8.742	43	443954	132.23	ug/L	99
43) 1,1-Dichloropropene	8.779	75	118420	26.77	ug/L	94
44) tert-Butyl formate	8.895	59	352819	124.09	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 02:10:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	9.077	54	251095	246.19	ug/L		95
46) Methacrylonitrile	9.101	41	849985	255.00	ug/L		97
47) Benzene	9.059	78	361766	25.15	ug/L		98
48) TAME	9.168	73	340961	33.48	ug/L		97
50) Isobutyl Alcohol	9.272	42	140573	511.82	ug/L		94
51) 1,2-Dichloroethane	9.278	62	113366	24.98	ug/L		95
52) Tert Amyl Alcohol	9.375	59	222599m	257.13	ug/L		
53) Trichloroethene	9.673	95	93667	26.89	ug/L		94
54) Methylcyclohexane	9.661	83	176292	28.97	ug/L		98
55) Dibromomethane	10.087	93	48284	24.55	ug/L		90
56) 1,2-Dichloropropane	10.172	63	84501	24.49	ug/L		98
57) Bromodichloromethane	10.227	83	95694	26.00	ug/L		95
58) Methyl methacrylate	10.342	41	94701	24.57	ug/L		97
59) 1,4-Dioxane	10.409	88	41160	551.59	ug/L		96
60) 2-Chloroethyl vinyl ether	10.707	63	156441	159.97	ug/L		99
61) cis-1,3-Dichloropropene	10.780	75	128455	26.30	ug/L		95
64) Toluene	10.975	91	397672	23.37	ug/L		97
65) 2-Nitropropane	11.170	41	201821	119.38	ug/L		99
66) 4-Methyl-2-pentanone	11.261	43	837735	123.90	ug/L		99
67) trans-1,3-Dichloropropene	11.310	75	120501	26.01	ug/L		83
68) Tetrachloroethene	11.304	166	92462	22.48	ug/L		96
69) Ethyl methacrylate	11.401	69	123992	22.39	ug/L		99
70) 1,1,2-Trichloroethane	11.443	83	71352	24.11	ug/L		94
71) Dibromochloromethane	11.589	129	69628	21.92	ug/L		98
72) 1,3-Dichloropropane	11.656	76	141124	21.85	ug/L		98
73) 1,2-Dibromoethane	11.790	107	83668	22.90	ug/L		100
74) 3,3-dimethyl-1-butanol	11.869	57	1713446m	1205.82	ug/L		
75) 2-hexanone	11.900	43	684669	140.11	ug/L		99
76) 1-Chlorohexane	12.113	91	132562	25.89	ug/L		99
77) Ethylbenzene	12.155	91	438751	23.40	ug/L		99
78) Chlorobenzene	12.161	112	241998	23.16	ug/L		98
79) 1,1,1,2-Tetrachloroethane	12.204	131	76483	23.06	ug/L		97
80) m,p-Xylene	12.259	91	664176	45.85	ug/L		98
81) o-Xylene	12.569	91	333122	23.96	ug/L		99
82) Styrene	12.605	104	238722	23.55	ug/L		96
83) Bromoform	12.660	173	45802	22.04	ug/L		95
84) Isopropylbenzene	12.782	105	414030	23.41	ug/L		99
87) cis-1,4-Dichloro-2-butene	13.031	53	36999	22.38	ug/L		87
88) n-Propylbenzene	13.062	91	495735	23.70	ug/L		96
89) Bromobenzene	13.098	156	85980	20.60	ug/L		89
90) 1,1,2,2-Tetrachloroethane	13.116	83	141512	24.32	ug/L		98
91) 1,3,5-Trimethylbenzene	13.177	105	319719	22.37	ug/L		99
92) 2-Chlorotoluene	13.202	91	319191	23.49	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.238	53	30158	19.64	ug/L	#	82
94) 1,2,3-Trichloropropane	13.232	110	42976	21.99	ug/L		98
95) Cyclohexanone	13.287	55	53144	141.17	ug/L		97
96) 4-Chlorotoluene	13.311	91	284960	23.56	ug/L		99
97) tert-Butylbenzene	13.408	91	180548	22.92	ug/L		95
98) 1,2,4-Trimethylbenzene	13.451	105	327368	23.33	ug/L		93
99) Pentachloroethane	13.463	167	48091	22.30	ug/L		94
100) sec-Butylbenzene	13.530	105	401890	23.52	ug/L		99
101) 4-Isopropyltoluene	13.609	119	333650	23.25	ug/L		99
102) 1,3-Dichlorobenzene	13.725	146	165056	21.98	ug/L		97
103) 1,2,3-Trimethylbenzene	13.761	105	343913	24.24	ug/L		98
104) 1,4-Dichlorobenzene	13.780	146	177371	22.28	ug/L		96
105) n-Butylbenzene	13.895	92	151735	21.31	ug/L		93
106) Benzyl Chloride	13.932	126	38955	17.08	ug/L		94
107) 1,2-Dichlorobenzene	14.072	146	161667	22.02	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 02:10:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.601	75	30914	22.81	ug/L	91
109) Hexachlorobutadiene	15.002	225	25448	18.96	ug/L	76
110) 1,2,4-Trichlorobenzene	15.063	180	96867	20.18	ug/L	96
111) Naphthalene	15.306	128	484675	23.44	ug/L	100
112) 1,2,3-Trichlorobenzene	15.452	180	96034	19.96	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

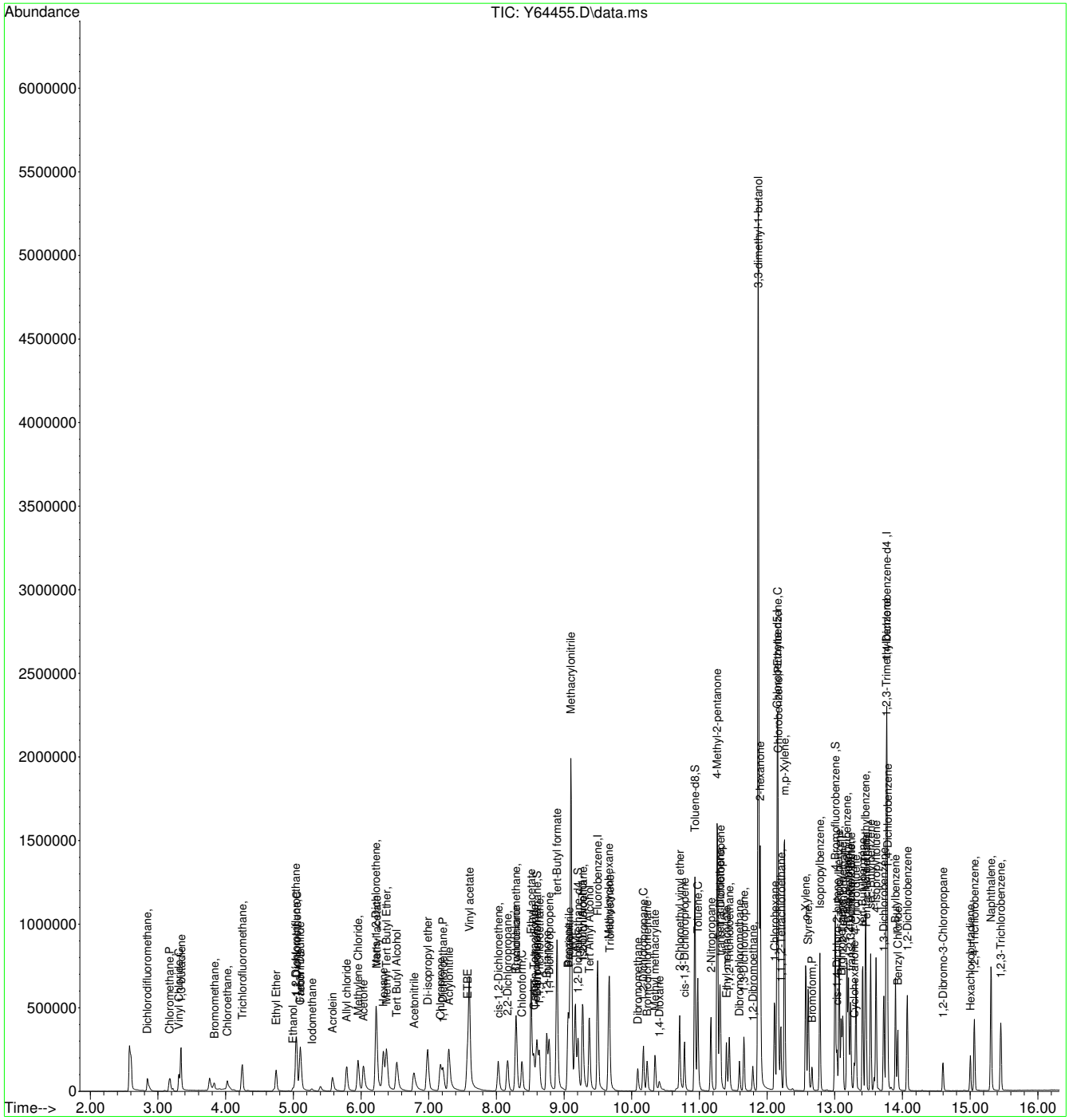
7.3.3

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 02:10:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



Manual Integration Approval Summary

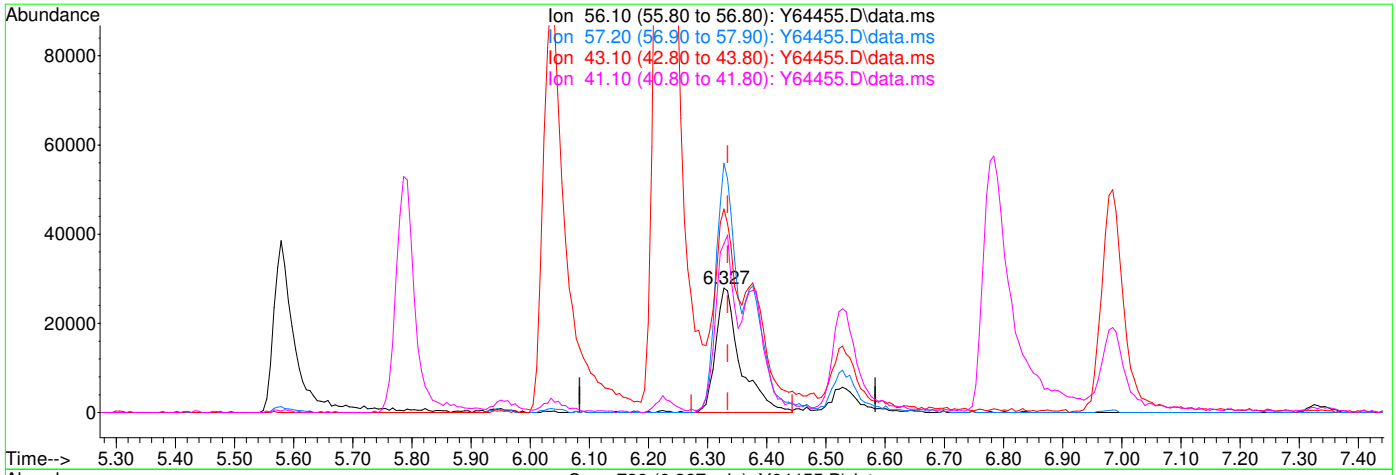
Sample Number: VY2672-BS
Lab FileID: Y64455.D
Injection Time: 09/03/22 10:53
Method: SW846 8260D
Analyst approved: 09/05/22 02:35 John Matthew de Guzman
Supervisor approved: 09/07/22 16:33 Karen Watson

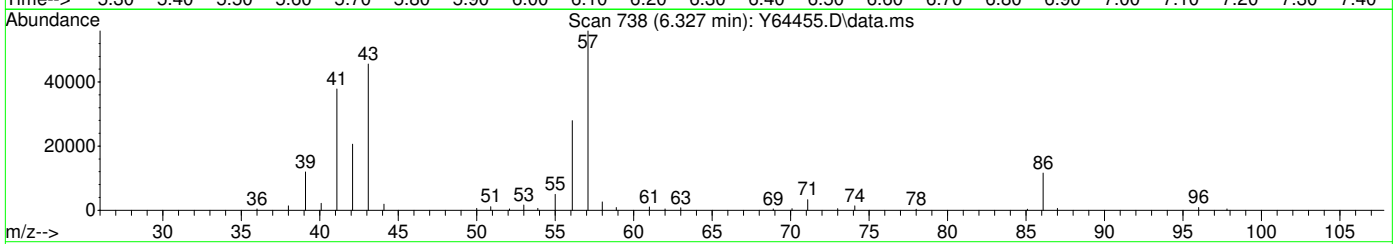
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

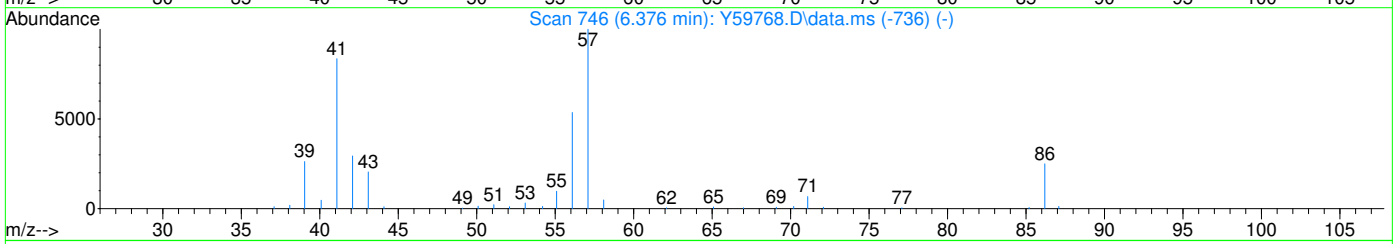
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 01:41:35 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64455.D\data.ms

(22) Hexane

6.327min (-0.006) 35.09ug/L

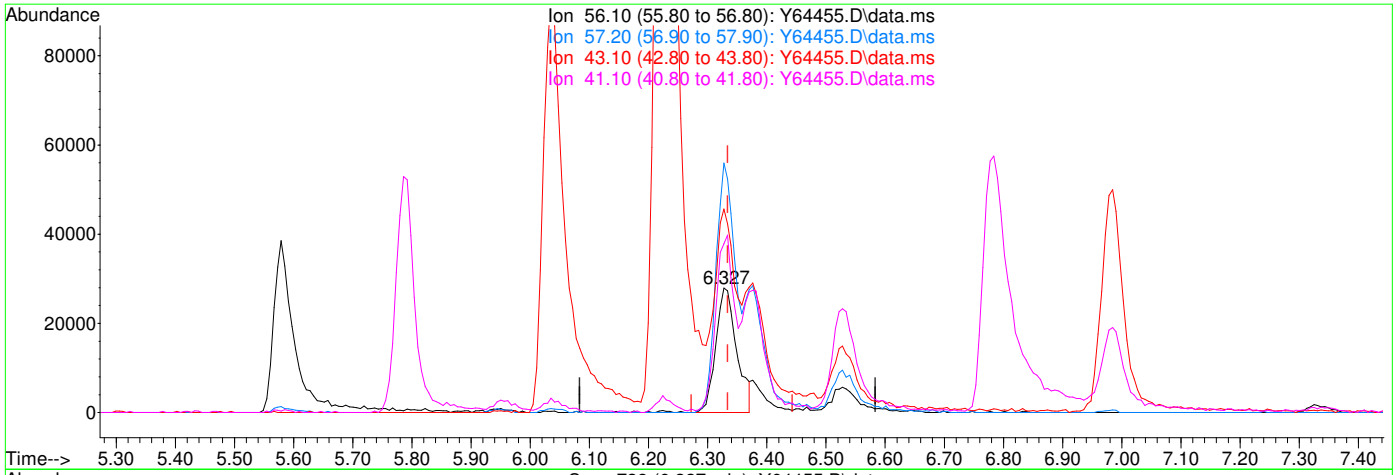
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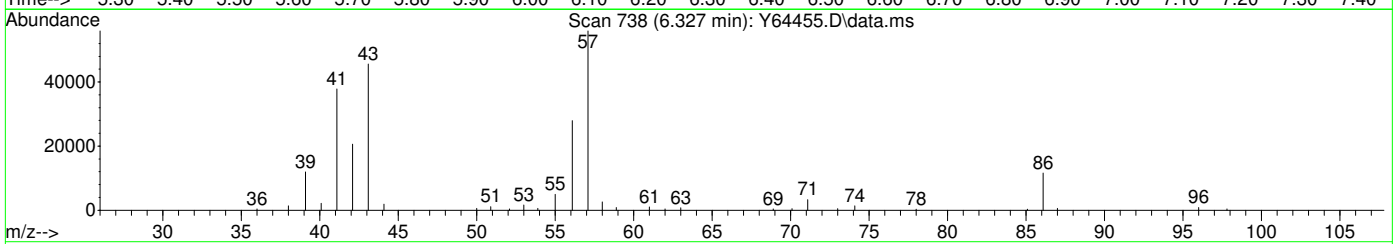
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	198.81
43.10	151.00	146.06
41.10	129.70	132.57

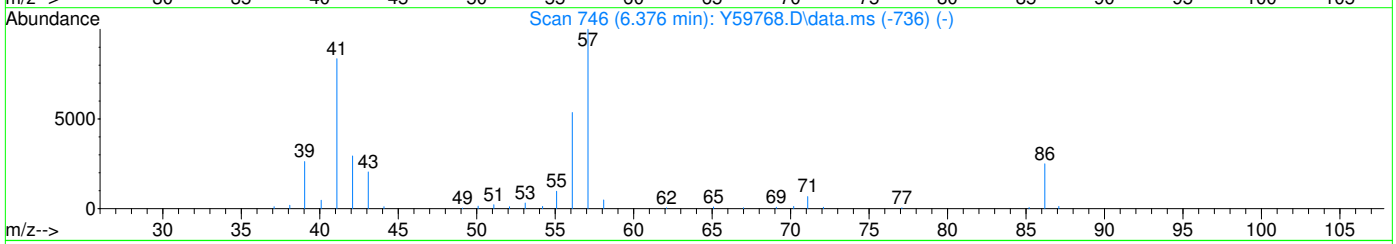
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 01:41:35 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64455.D\data.ms

(22) Hexane

6.327min (-0.006) 29.84ug/L m

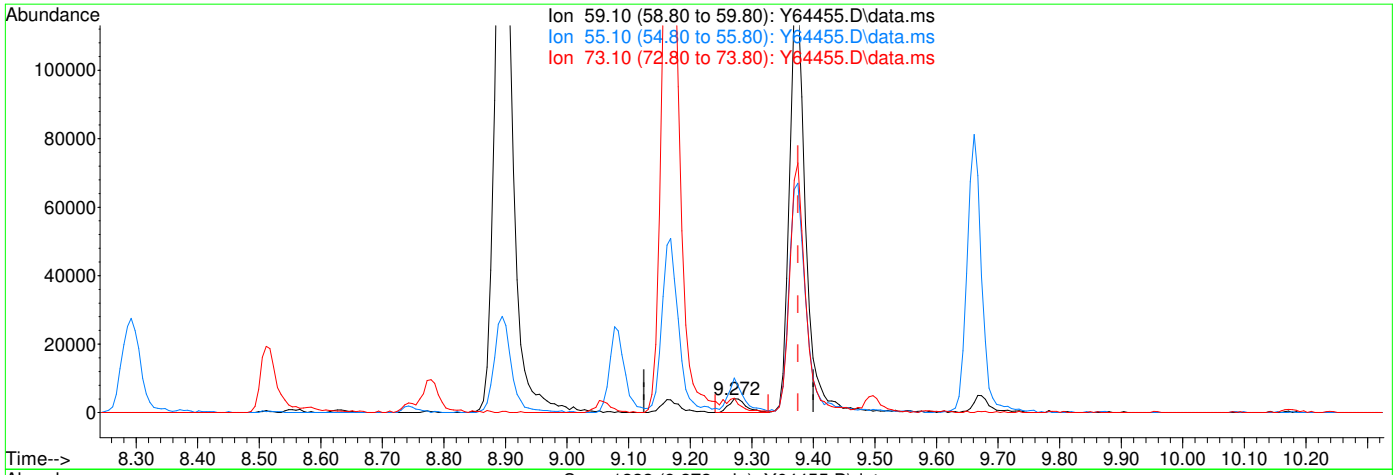
response 68746

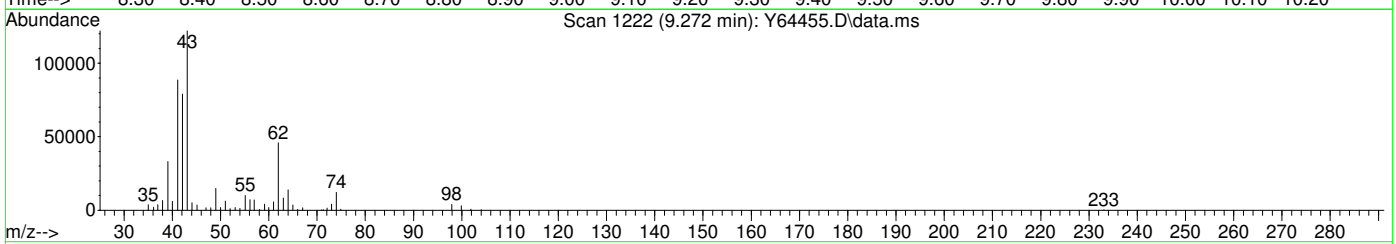
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	200.26
43.10	151.00	163.28
41.10	129.70	135.35

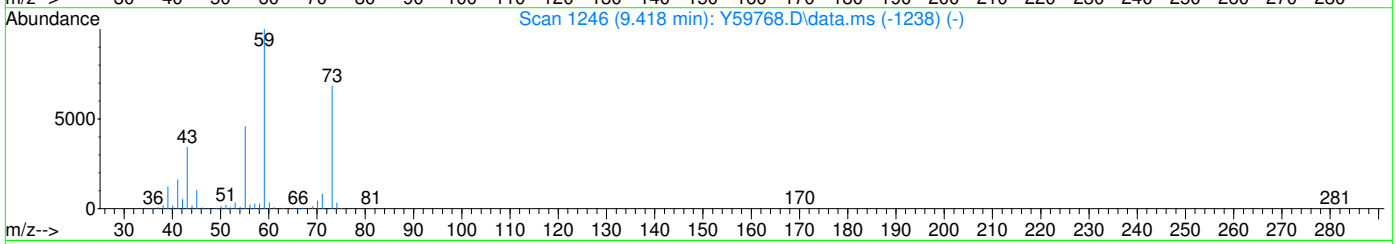
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 01:41:35 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64455.D\data.ms

(52) Tert Amyl Alcohol

9.272min (-0.103) 10.33ug/L

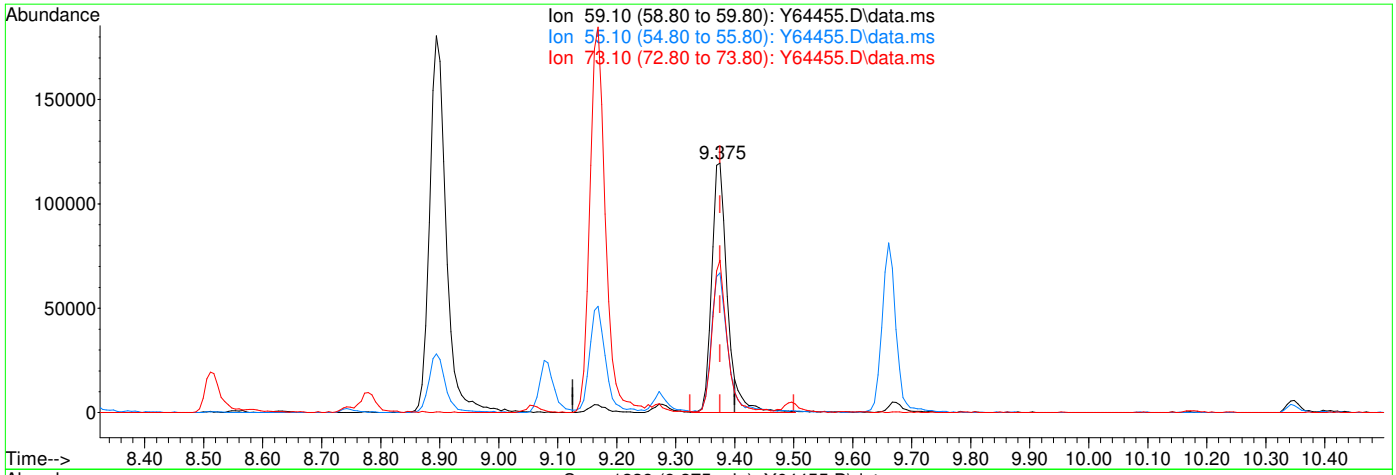
response 7952

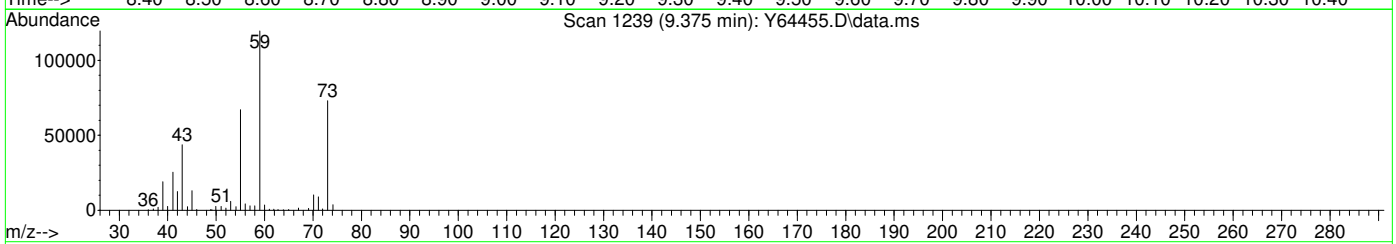
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	237.41#
73.10	59.00	91.24#
0.00	0.00	0.00

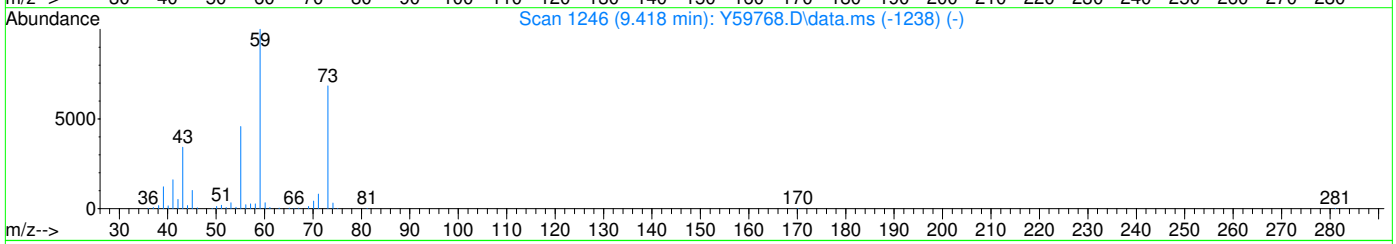
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 01:41:35 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64455.D\data.ms

(52) Tert Amyl Alcohol

9.375min (+0.000) 257.13ug/L m

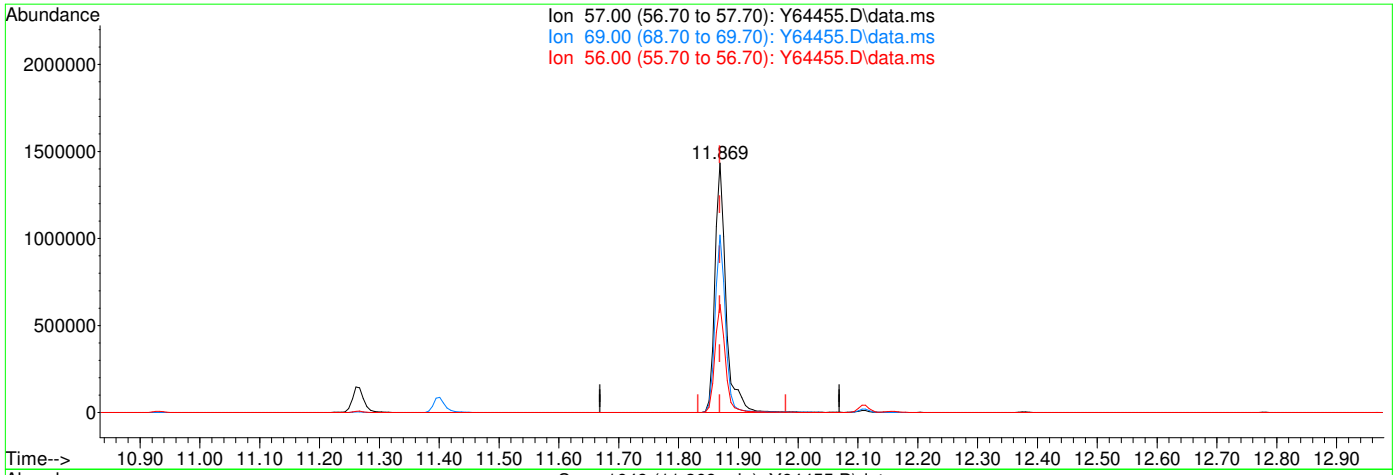
response 222599

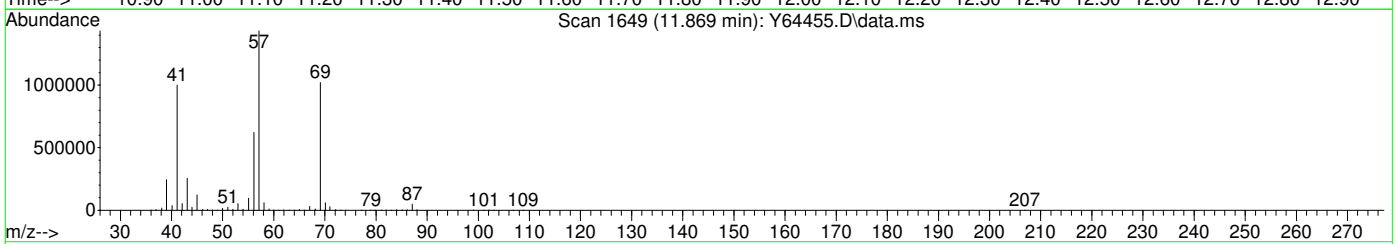
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	55.99
73.10	59.00	60.96
0.00	0.00	0.00

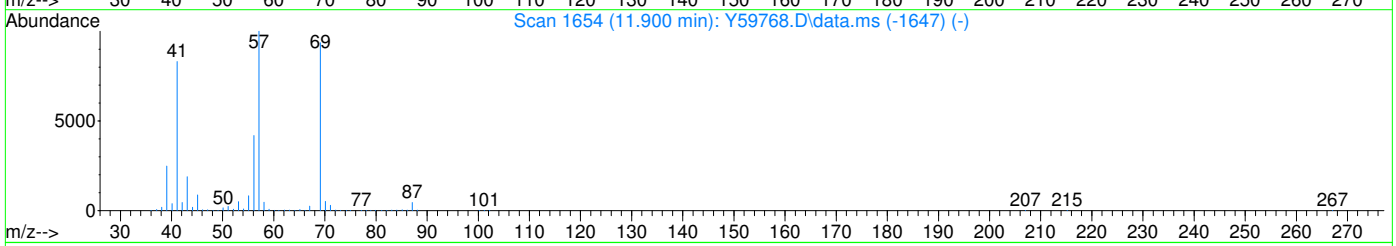
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 01:41:35 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64455.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (+0.000) 1287.46ug/L

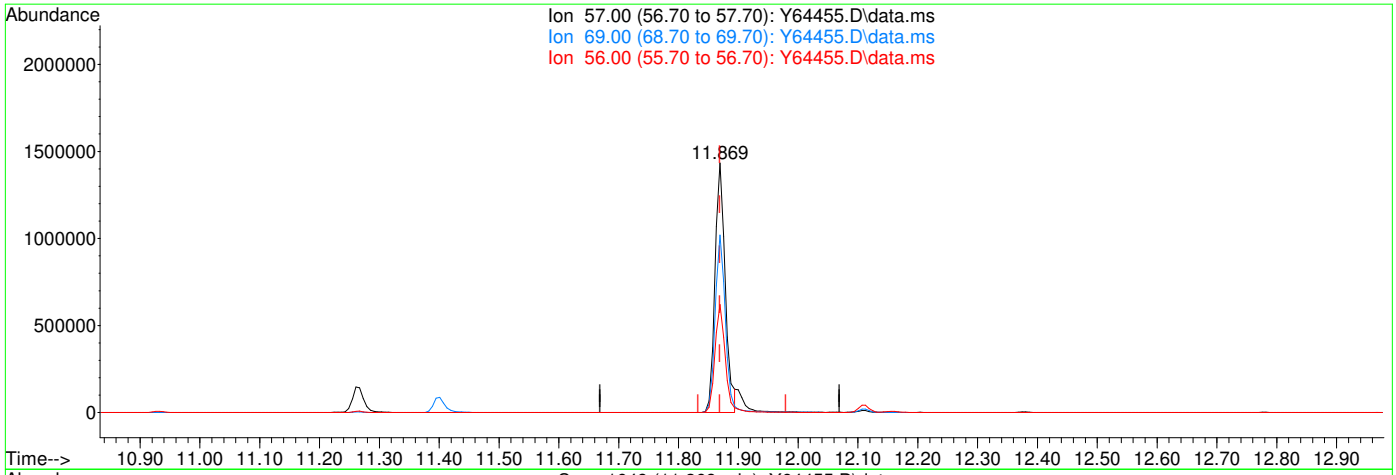
response 1842617

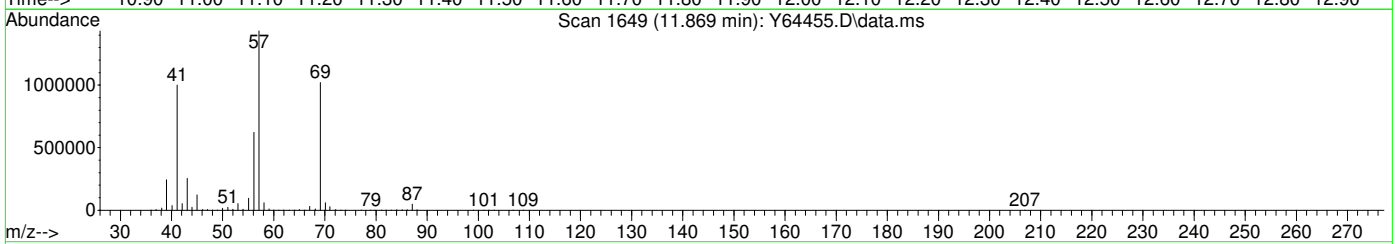
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	71.12
56.00	42.20	43.31
0.00	0.00	0.00

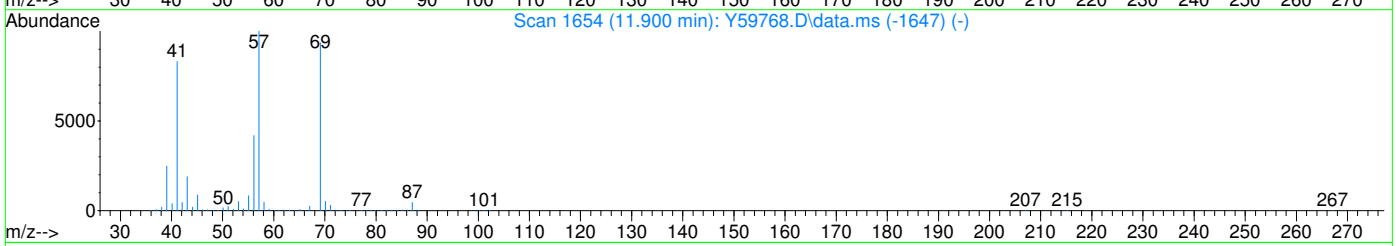
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64455.D
Acq On : 3 Sep 2022 10:53 am
Operator : adelardl
Sample : BS
Misc : MS52207,VY2672,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 05 01:41:35 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64455.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (+0.000) 1205.82ug/L m

response 1713446

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	71.12
56.00	42.20	43.31
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1192733	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	906527	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	436090	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.265	113	263781	52.03	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 104.06%			
49) 1,2-Dichloroethane-d4	3.553	65	358423	50.90	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.80%			
63) Toluene-d8	4.651	98	1190576	47.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.46%			
86) 4-Bromofluorobenzene	6.496	174	332738	48.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	112992	34.32	ug/L	100
3) Chloromethane	1.252	50	110231	30.30	ug/L	96
4) 1,3-butadiene	1.320	39	90410	26.74	ug/L	97
5) Vinyl Chloride	1.305	62	139420	31.45	ug/L	99
6) Bromomethane	1.509	94	65193	23.76	ug/L	95
7) Chloroethane	1.582	64	37909	26.01	ug/L	97
8) Trichlorofluoromethane	1.671	101	154368	32.90	ug/L	100
9) Ethyl Ether	1.880	59	97388	23.47	ug/L	98
10) Ethanol	1.963	45	66132m	533.70	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.979	67	122464	31.55	ug/L	99
12) 1,1-Dichloroethene	1.984	61	149376	26.35	ug/L	99
13) Freon 113	2.016	101	92948	26.36	ug/L	96
14) Carbon Disulfide	2.000	76	178653	19.83	ug/L	95
15) Iodomethane	2.063	142	64099	26.94	ug/L	96
16) Acrolein	2.157	56	188127	123.96	ug/L	100
17) Allyl chloride	2.251	41	127785	31.34	ug/L	94
18) Methylene Chloride	2.303	49	141874	22.92	ug/L	98
19) Acetone	2.319	43	367638	134.06	ug/L	100
20) Methyl acetate	2.397	43	740271	133.39	ug/L	98
21) trans-1,2-Dichloroethene	2.403	61	150630	26.22	ug/L	99
22) Hexane	2.471	56	84456	30.25	ug/L	99
23) Methyl Tert Butyl Ether	2.471	73	400495	30.59	ug/L	95
24) Tert Butyl Alcohol	2.507	59	394859	243.88	ug/L	97
25) Acetonitrile	2.554	41	226105	246.20	ug/L	95
26) Di-isopropyl ether	2.690	45	330092	27.16	ug/L	98
27) Chloroprene	2.732	53	612611	35.38	ug/L	92
28) 1,1-Dichloroethane	2.732	63	209069	27.68	ug/L	99
29) Acrylonitrile	2.732	52	398750	145.66	ug/L	81
30) ETBE	2.884	59	349888	24.57	ug/L	100
31) Vinyl acetate	2.863	43	1338436	136.65	ug/L	100
32) cis-1,2-Dichloroethene	3.025	96	119013	26.42	ug/L	95
33) 2,2-Dichloropropane	3.087	77	149088	25.78	ug/L	98
34) Bromochloromethane	3.129	128	50818	24.96	ug/L	94
35) Cyclohexane	3.166	56	197626	28.28	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	3.171	83	202085	26.66	ug/L	96
37) Ethyl acetate	3.229	43	1010873	136.45	ug/L	100
38) Tetrahydrofuran	3.260	42	73443	25.96	ug/L	97
40) Carbon Tetrachloride	3.270	117	128207m	27.77	ug/L	
41) 1,1,1-Trichloroethane	3.297	97	181554	28.08	ug/L	98
42) 2-Butanone	3.317	43	615498	133.21	ug/L	100
43) 1,1-Dichloropropene	3.365	75	155743	27.38	ug/L	99
44) tert-Butyl formate	3.412	59	349798	112.59	ug/L	96
45) Propionitrile	3.459	54	379775	260.46	ug/L	97
46) Methacrylonitrile	3.485	41	1024516	263.04	ug/L	100
47) Benzene	3.495	78	476889	26.27	ug/L	93
48) TAME	3.568	73	456510	35.26	ug/L	99
50) Isobutyl alcohol	3.589	43	430155m	576.67	ug/L	
51) 1,2-Dichloroethane	3.589	62	166472	25.62	ug/L	98
52) Tert Amyl Alcohol	3.652	59	318878	234.71	ug/L	94
53) Trichloroethene	3.825	95	123629	26.46	ug/L	97
54) Methylcyclohexane	3.845	83	185477	30.07	ug/L	98
55) Dibromomethane	4.049	93	63618	24.79	ug/L	96
56) 1,2-Dichloropropane	4.112	63	113991	25.85	ug/L	99
57) Bromodichloromethane	4.149	83	122343	26.12	ug/L	97
58) Methyl methacrylate	4.238	41	126211	25.87	ug/L	98
59) 1,4-Dioxane	4.258	88	74394	536.78	ug/L	96
60) 2-Chloroethyl vinyl ether	4.478	63	443575	120.90	ug/L	98
61) cis-1,3-Dichloropropene	4.520	75	158421	26.00	ug/L	96
64) Toluene	4.682	91	521276	24.36	ug/L	100
65) 2-Nitropropane	4.776	41	165434	104.13	ug/L	95
66) 4-Methyl-2-pentanone	4.891	43	1002176	121.38	ug/L	99
67) trans-1,3-Dichloropropene	4.917	75	157910	25.98	ug/L	84
68) Tetrachloroethene	4.938	166	121334	26.69	ug/L	96
69) Ethyl methacrylate	5.032	69	179541	24.07	ug/L	99
70) 1,1,2-Trichloroethane	5.022	83	91383	24.96	ug/L	98
71) Dibromochloromethane	5.142	129	88938	24.08	ug/L	99
72) 1,3-Dichloropropane	5.194	76	183125	22.50	ug/L	98
73) 1,2-Dibromoethane	5.294	107	109520	24.75	ug/L	95
74) 3,3-dimethyl-1-butanol	5.419	57	1928294	1049.58	ug/L	98
75) 2-hexanone	5.430	43	1109420	119.68	ug/L	81
76) 1-Chlorohexane	5.649	91	173213m	25.38	ug/L	
77) Ethylbenzene	5.681	91	587945	25.05	ug/L	98
78) Chlorobenzene	5.654	112	318950	24.89	ug/L	98
79) 1,1,1,2-Tetrachloroethane	5.696	131	99677	25.13	ug/L	99
80) m,p-Xylene	5.785	91	919638	49.54	ug/L	98
81) o-Xylene	6.078	91	461873	25.28	ug/L	99
82) Styrene	6.109	104	355379	25.43	ug/L	99
83) Bromoform	6.120	173	48109	24.29	ug/L	97
84) Isopropylbenzene	6.308	105	547300	25.96	ug/L	99
87) cis-1,4-Dichloro-2-butene	6.527	53	52879	22.18	ug/L	90
88) n-Propylbenzene	6.611	91	652041	24.37	ug/L	98
89) Bromobenzene	6.569	156	124210	22.96	ug/L	96
90) 1,1,2,2-Tetrachloroethane	6.627	83	165816	22.97	ug/L	99
91) 1,3,5-Trimethylbenzene	6.757	105	439948	23.62	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

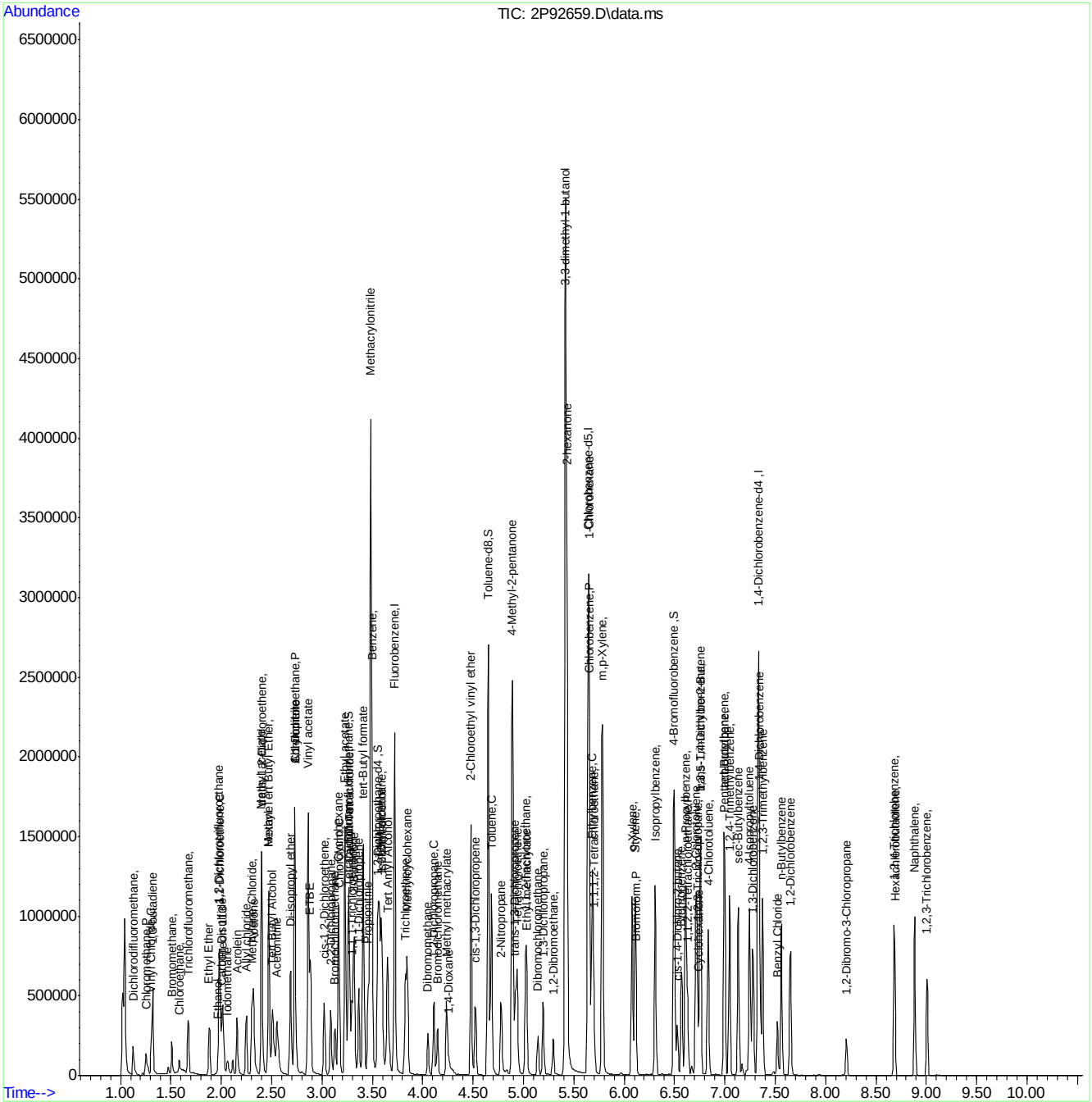
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.710	91	380937	23.59	ug/L		99
93)	trans-1,4-Dichloro-2-B...	6.757	53	59460	19.22	ug/L		91
94)	1,2,3-Trichloropropane	6.726	110	59770	22.20	ug/L		96
95)	Cyclohexanone	6.742	55	63284	112.27	ug/L		97
96)	4-Chlorotoluene	6.836	91	404733	23.78	ug/L		98
97)	tert-Butylbenzene	6.993	91	249430	24.38	ug/L		97
99)	1,2,4-Trimethylbenzene	7.045	105	439399	24.18	ug/L		100
100)	Pentachloroethane	6.998	167	57387	25.80	ug/L		98
101)	sec-Butylbenzene	7.134	105	522974	26.40	ug/L		99
102)	4-Isopropyltoluene	7.244	119	458461	26.43	ug/L		98
103)	1,3-Dichlorobenzene	7.280	146	238748	24.57	ug/L		99
104)	1,2,3-Trimethylbenzene	7.374	105	450924	24.74	ug/L		99
105)	1,4-Dichlorobenzene	7.343	146	245172	24.14	ug/L		98
106)	n-Butylbenzene	7.563	92	201682	23.81	ug/L		98
107)	Benzyl Chloride	7.521	126	31265	16.13	ug/L	#	84
108)	1,2-Dichlorobenzene	7.651	146	220682	24.19	ug/L		98
109)	1,2-Dibromo-3-Chloropr...	8.206	75	34452	21.50	ug/L		95
110)	Hexachlorobutadiene	8.687	225	43406	26.47	ug/L		91
111)	1,2,4-Trichlorobenzene	8.681	180	115793	23.86	ug/L		99
112)	Naphthalene	8.885	128	477678	23.95	ug/L		100
113)	1,2,3-Trichlorobenzene	9.006	180	111109	24.40	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

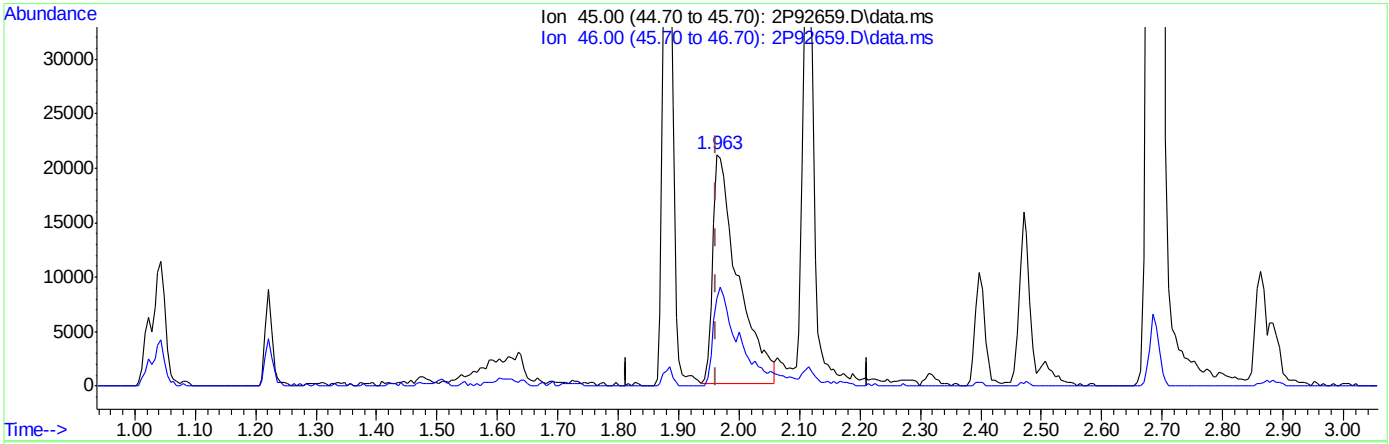
Sample Number: V2P3568-BS
Lab FileID: 2P92659.D
Injection Time: 09/06/22 12:04
Method: SW846 8260D
Analyst approved: 09/06/22 12:16 Courtney Failla
Supervisor approved: 09/07/22 12:11 Karen Watson

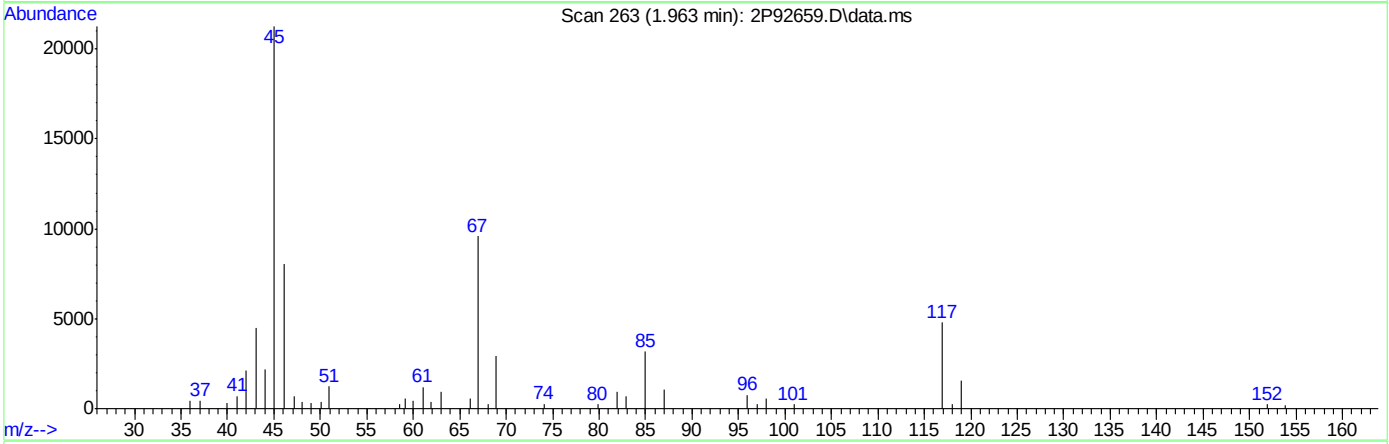
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.96	Poor instrument integration
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:07 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92659.D\data.ms

(10) Ethanol

1.963min (+0.000) 484.21ug/L

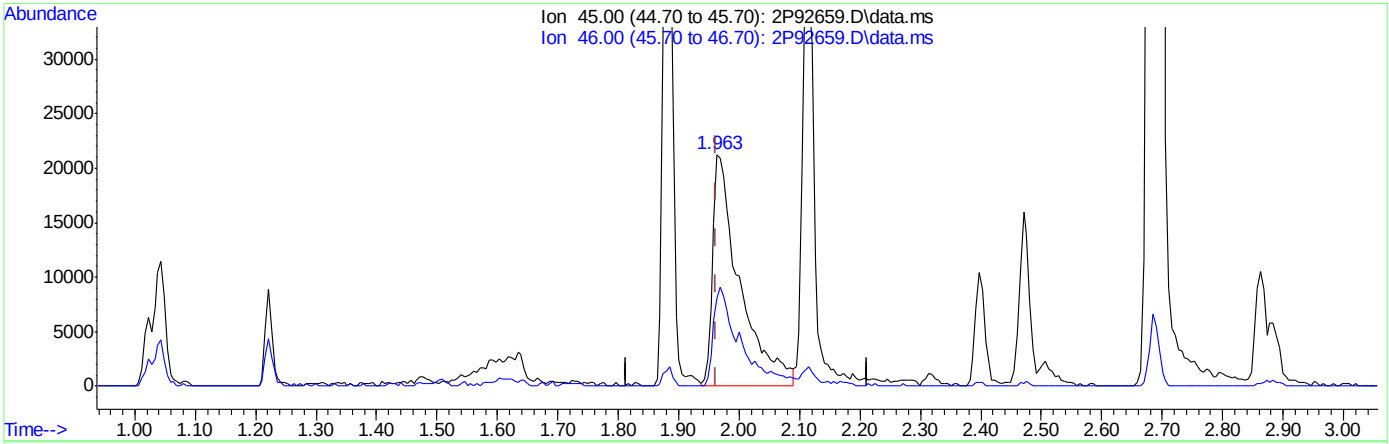
response 60428

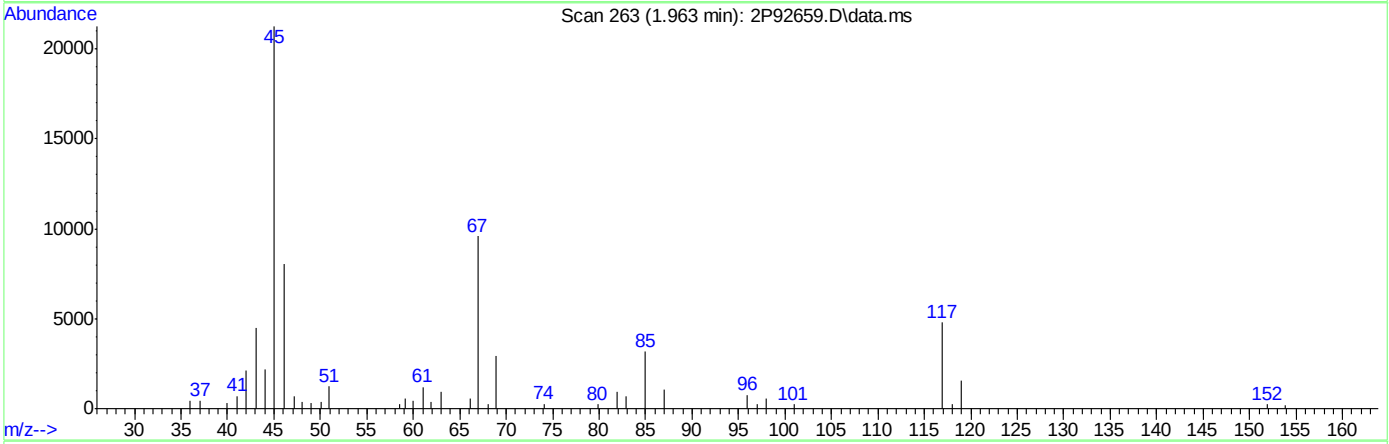
Ion	Exp%	Act%
45.00	100	100
46.00	42.70	38.38
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:07 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92659.D\data.ms

(10) Ethanol

1.963min (+0.000) 533.70ug/L m

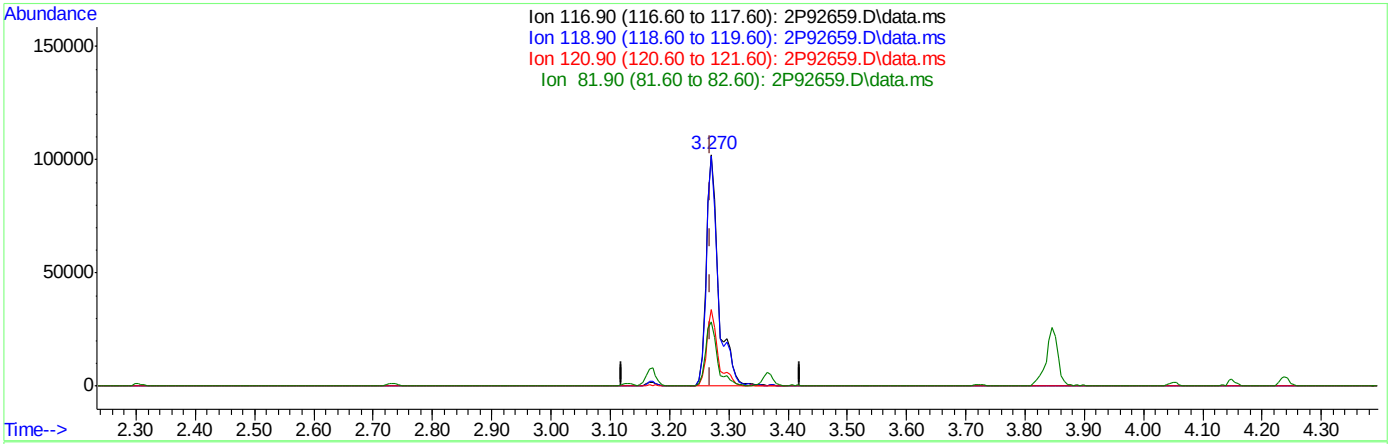
response 66132

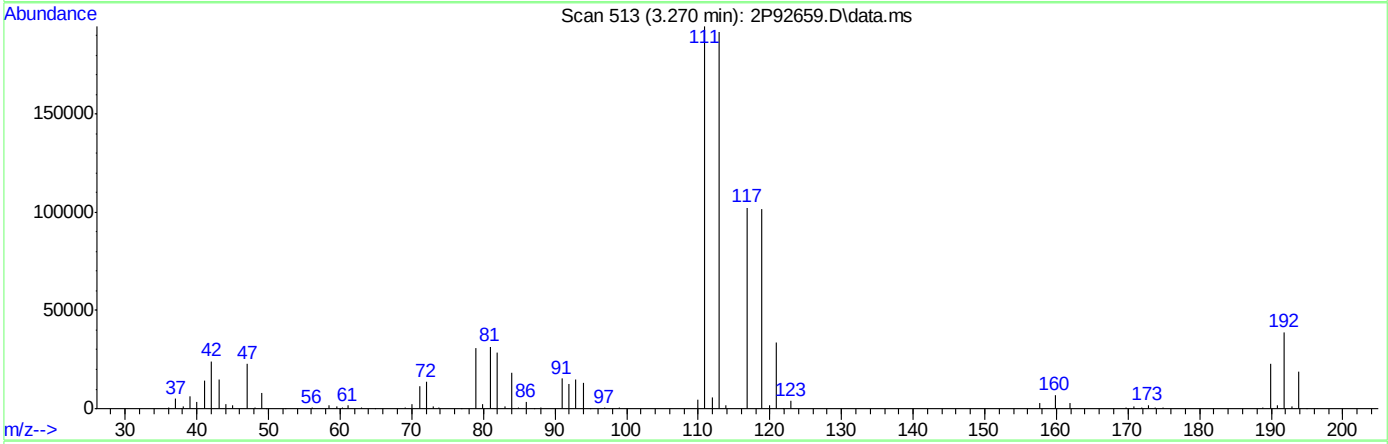
Ion	Exp%	Act%
45.00	100	100
46.00	42.70	37.87
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:07 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92659.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (+0.000) 31.61ug/L

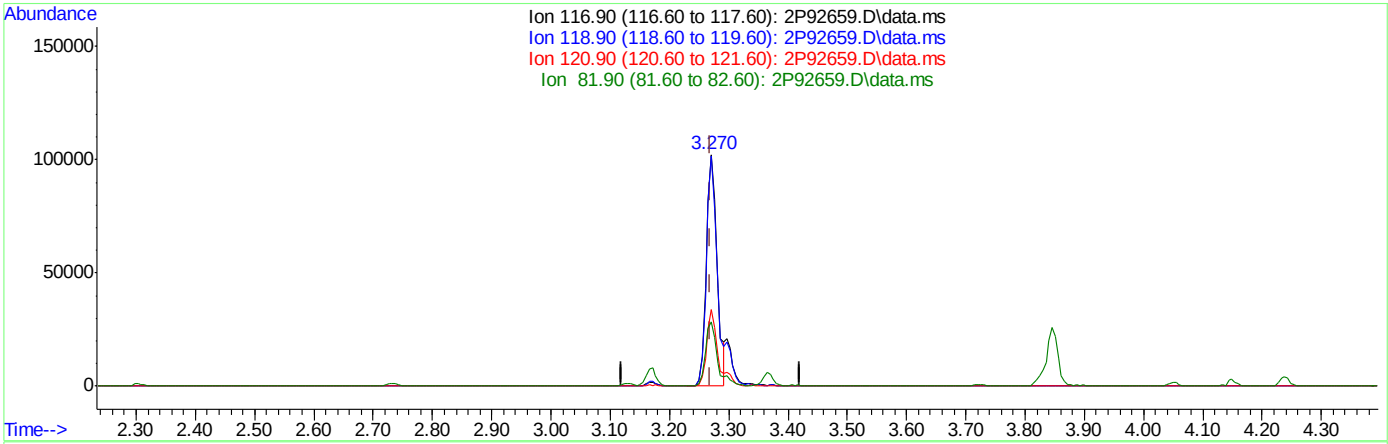
response 147773

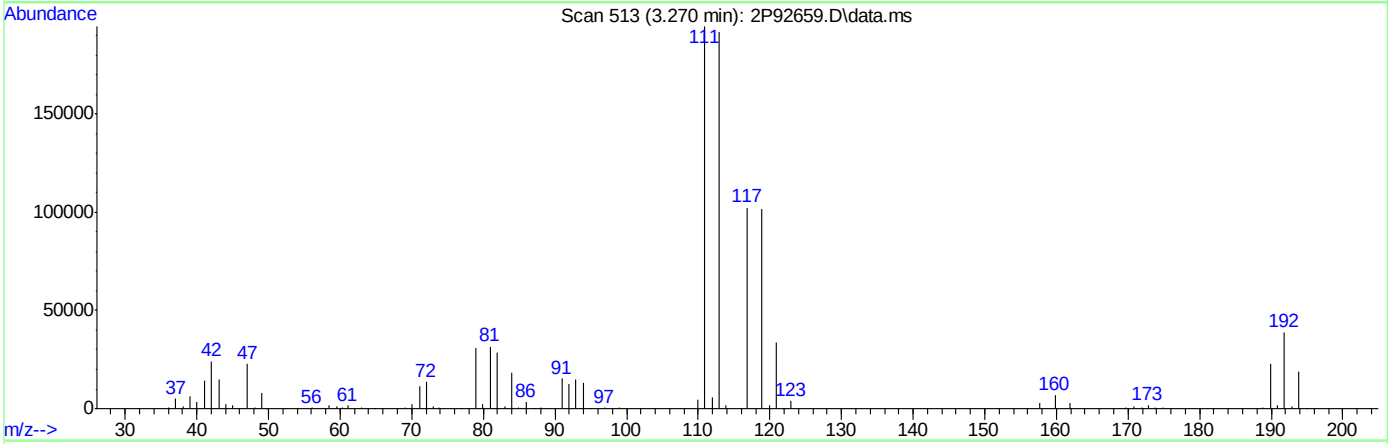
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.43
120.90	29.50	33.09
81.90	28.30	27.69

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:07 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92659.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (+0.000) 27.77ug/L m

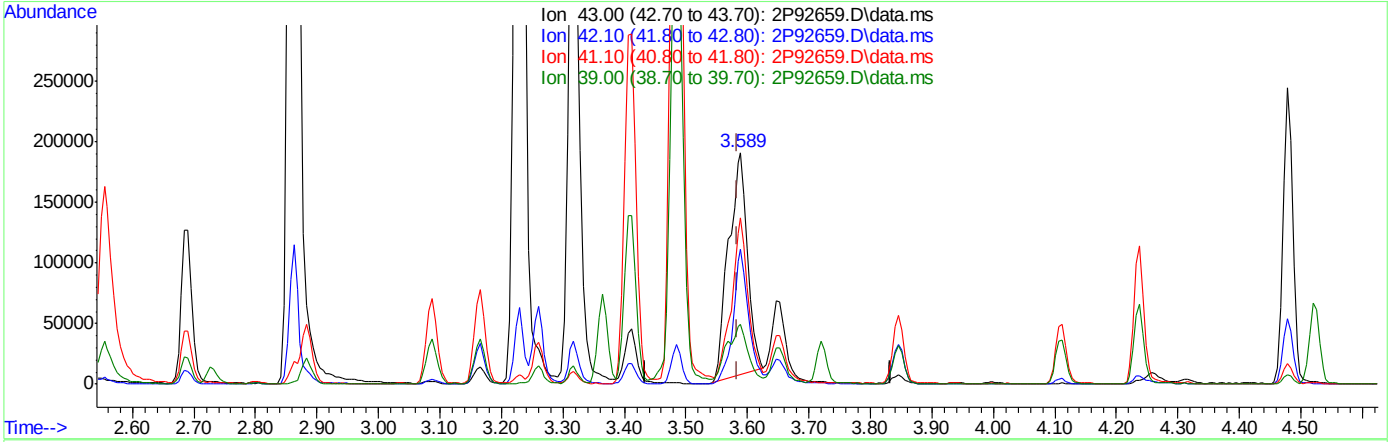
response 128207

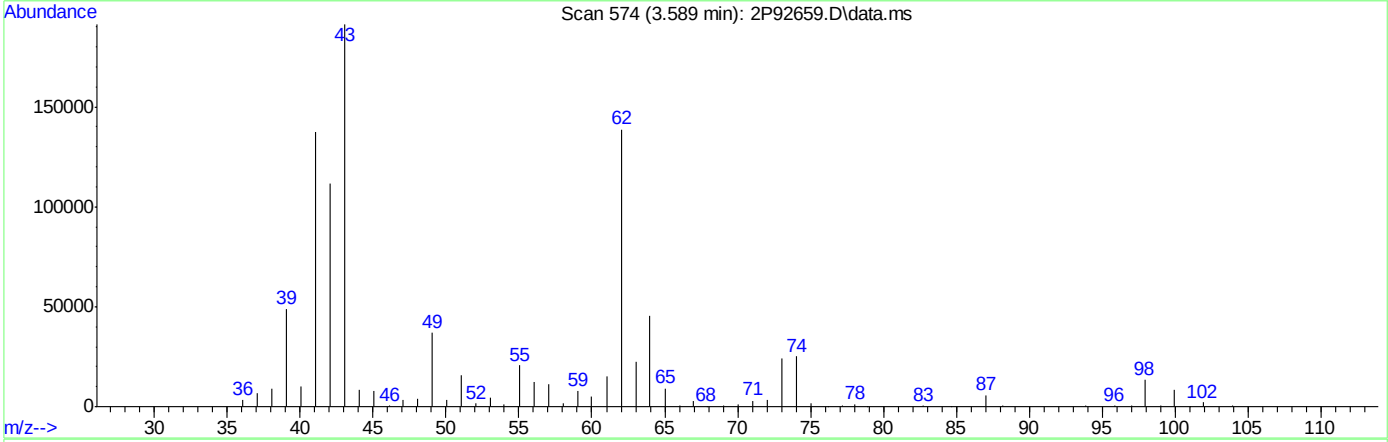
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.43
120.90	29.50	33.09
81.90	28.30	27.69

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:07 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92659.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 527.89ug/L

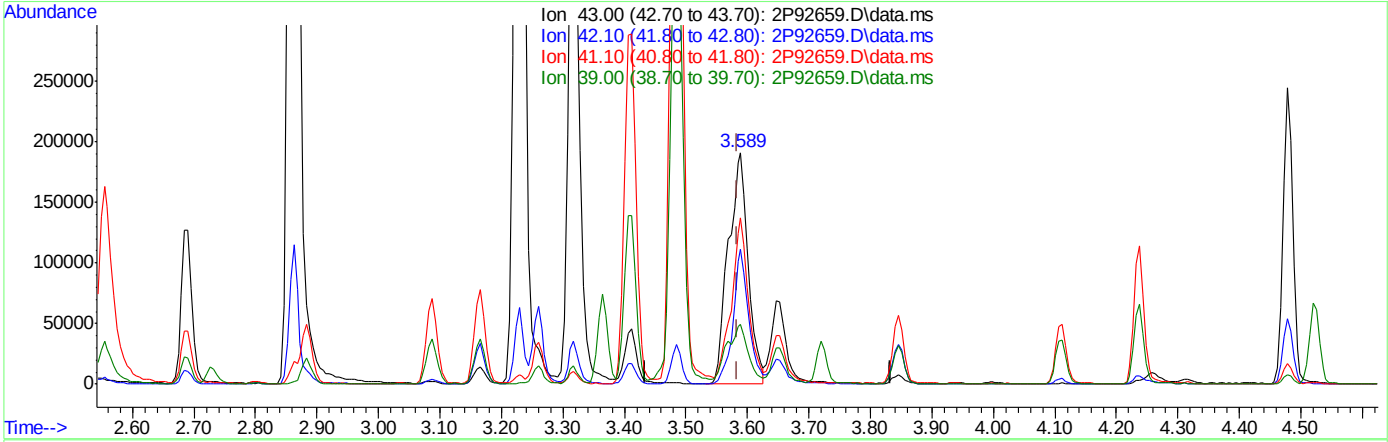
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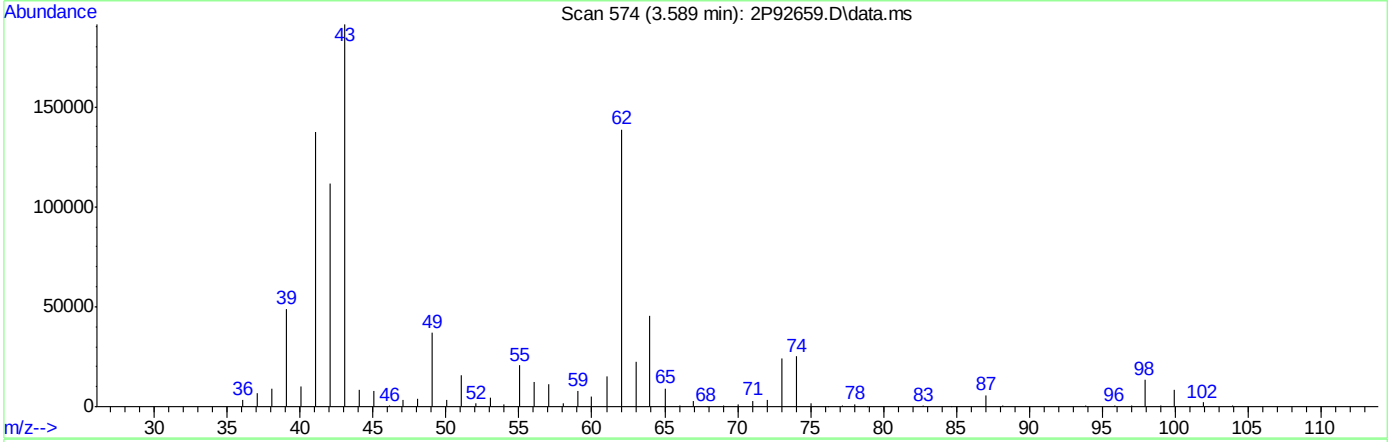
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	58.37
41.10	70.00	68.94
39.00	27.50	23.68

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:07 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92659.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 576.67ug/L m

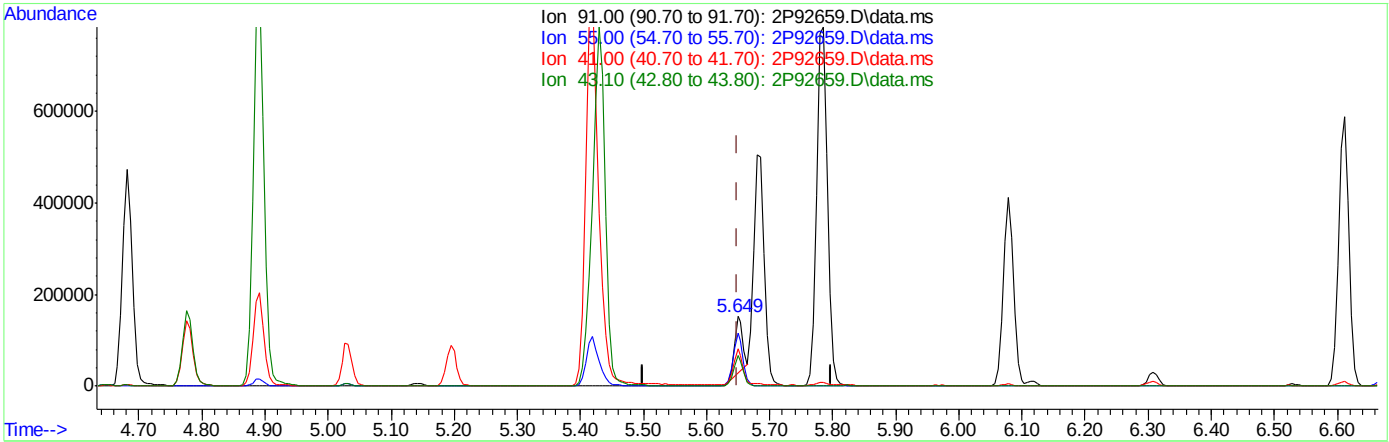
response 430155

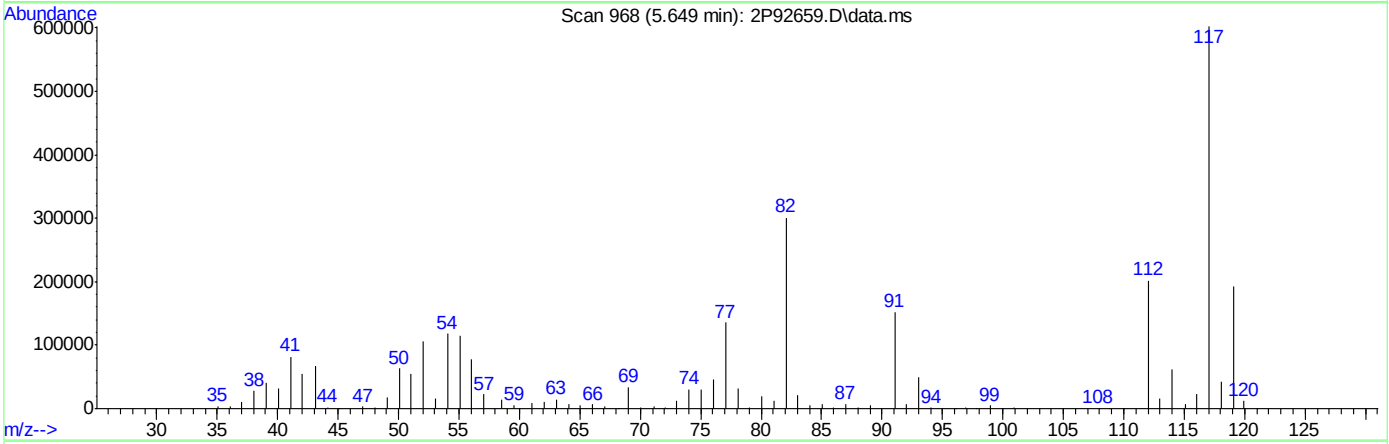
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	58.41
41.10	70.00	71.72
39.00	27.50	25.65

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:07 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92659.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 17.73ug/L

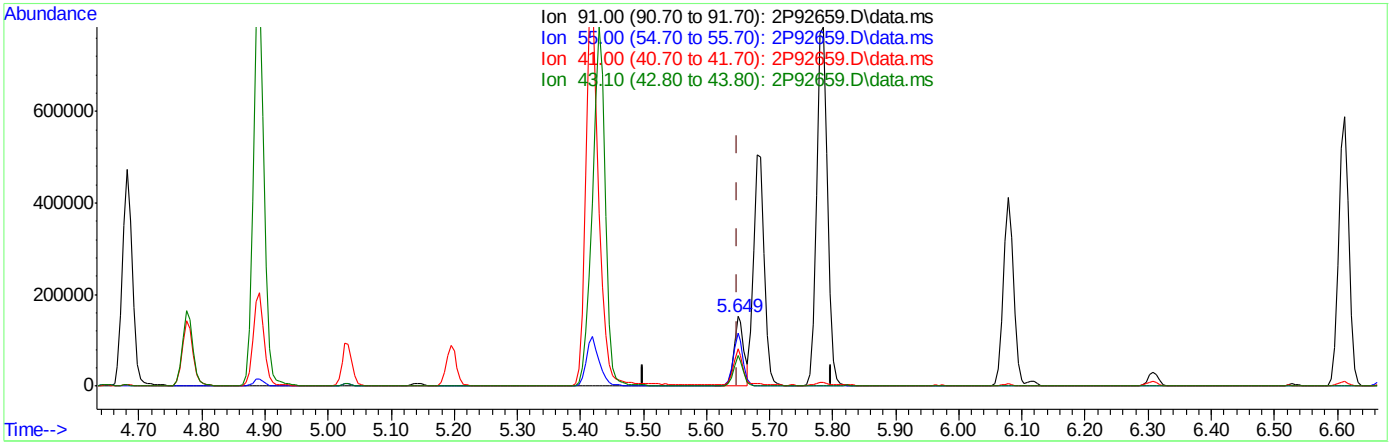
response 121050

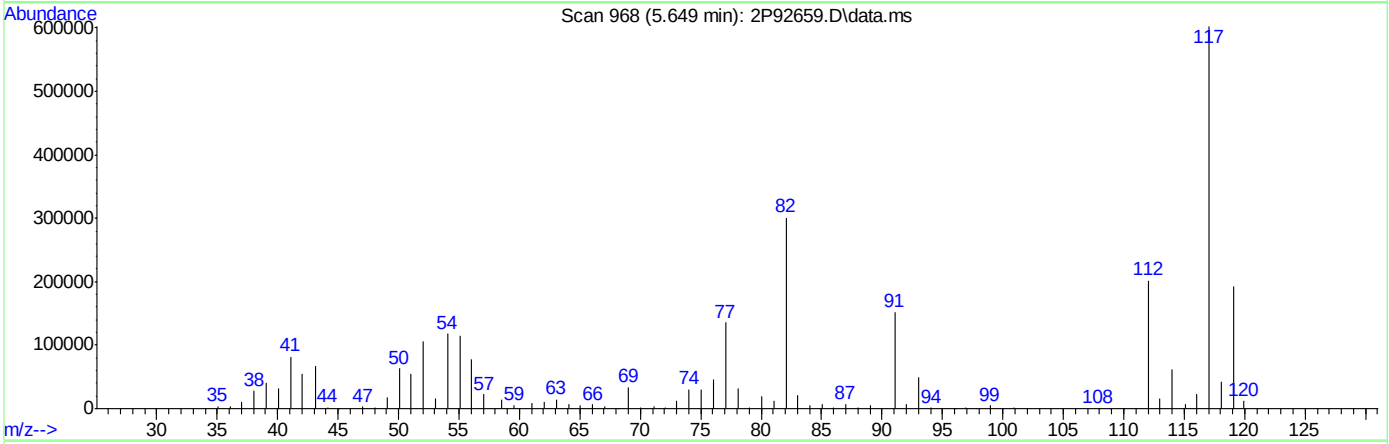
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	72.54
41.00	53.40	50.63
43.10	41.30	42.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92659.D
Acq On : 6 Sep 2022 12:04 pm
Operator : courtnef
Sample : BS
Misc : MS52204,V2P3568,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 06 12:15:07 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92659.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 25.38ug/L m

response 173213

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	75.88
41.00	53.40	53.45
43.10	41.30	44.04

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 15:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:45:23 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1403173	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1188284	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	624819	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	396699	50.08	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.16%			
50) 1,2-Dichloroethane-d4	8.549	65	405111	49.72	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.44%			
63) Toluene-d8	10.426	98	1397518	46.91	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 93.82%			
86) 4-Bromofluorobenzene	13.213	174	481149	48.09	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.18%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	144979	28.94	ug/L	100
3) Chloromethane	3.202	50	145418	26.01	ug/L	99
4) 1,3-butadiene	3.379	39	138242	26.37	ug/L	98
5) Vinyl Chloride	3.349	62	161891	25.81	ug/L	98
6) Bromomethane	3.897	94	45757	14.63	ug/L	95
7) Chloroethane	4.105	64	108888	25.91	ug/L	97
8) Trichlorofluoromethane	4.330	101	247794	24.90	ug/L	99
9) Ethyl Ether	4.800	59	91657	20.70	ug/L	94
10) Ethanol	5.031	45	23859m	484.67	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	160819	28.11	ug/L	95
12) 1,1-Dichloroethene	5.086	61	201899	25.15	ug/L	98
13) Freon 113	5.141	101	139885	27.53	ug/L	99
14) Carbon Disulfide	5.129	76	288321	20.20	ug/L	97
15) Iodomethane	5.287	142	18611	7.16	ug/L	96
16) Acrolein	5.549	56	86788	80.20	ug/L	99
17) Allyl chloride	5.732	41	159359	24.22	ug/L	99
18) Methylene Chloride	5.866	49	177870	23.74	ug/L	94
19) Acetone	5.927	43	192123	119.73	ug/L	99
20) Methyl acetate	6.080	43	430831	103.26	ug/L	98
21) trans-1,2-Dichloroethene	6.080	61	185301	23.15	ug/L	97
22) Hexane	6.171	56	84420m	26.74	ug/L	
23) Methyl Tert Butyl Ether	6.202	73	349151	25.03	ug/L	96
24) Tert Butyl Alcohol	6.299	59	126875	248.09	ug/L	96
25) Acetonitrile	6.519	41	146257m	209.59	ug/L	
26) Di-isopropyl ether	6.653	45	366749	22.38	ug/L	97
27) Chloroprene	6.805	53	177245	109.67	ug/L	99
28) 1,1-Dichloroethane	6.836	63	246026	24.89	ug/L	99
29) Acrylonitrile	6.891	52	196325	110.71	ug/L	99
30) ETBE	7.086	59	317216	19.97	ug/L	98
31) Vinyl acetate	7.110	43	1105023	101.41	ug/L	98
32) cis-1,2-Dichloroethene	7.470	96	135551	24.00	ug/L	97
33) 2,2-Dichloropropane	7.592	77	143462	18.50	ug/L	98
34) Bromochloromethane	7.695	128	74124	23.54	ug/L	97
35) Cyclohexane	7.707	56	220618	25.51	ug/L	97
36) Chloroform	7.762	83	238243	22.75	ug/L	96
37) Ethyl acetate	7.872	43	544664	102.13	ug/L	99
38) Tetrahydrofuran	7.957	42	38108	22.80	ug/L	95
40) Carbon Tetrachloride	7.939	117	187833	23.34	ug/L	97
41) 1,1,1-Trichloroethane	8.012	97	223705	24.15	ug/L	99
42) 2-Butanone	8.098	43	294601	110.79	ug/L	97
43) 1,1-Dichloropropene	8.140	75	181235	23.72	ug/L	97
44) tert-Butyl formate	8.244	59	2654	0.72	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:45:23 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	8.421	54	174077	201.69	ug/L		99
46)	Methacrylonitrile	8.445	41	883349	218.35	ug/L		99
47)	Benzene	8.409	78	503970	22.80	ug/L		98
48)	TAME	8.494	73	383964	28.89	ug/L		95
49)	Isobutyl alcohol	8.567	43	74292	422.88	ug/L		92
51)	1,2-Dichloroethane	8.622	62	191444	22.33	ug/L		98
52)	Tert Amyl Alcohol	8.683	59	64353	187.44	ug/L		87
53)	Trichloroethene	9.018	95	306555	51.17	ug/L		95
54)	Methylcyclohexane	9.012	83	194964	28.42	ug/L		99
55)	Dibromomethane	9.463	93	82038	21.85	ug/L		96
56)	1,2-Dichloropropane	9.561	63	118871	21.62	ug/L		99
57)	Bromodichloromethane	9.603	83	155017	22.18	ug/L		95
58)	Methyl methacrylate	9.725	41	86910	19.67	ug/L		98
59)	1,4-Dioxane	9.811	88	23736	495.13	ug/L		97
61)	cis-1,3-Dichloropropene	10.244	75	149456	19.09	ug/L		100
64)	Toluene	10.481	91	546705	21.34	ug/L		100
65)	2-Nitropropane	10.719	41	130085	85.31	ug/L		95
66)	4-Methyl-2-pentanone	10.829	43	629052	103.93	ug/L		99
67)	trans-1,3-Dichloropropene	10.884	75	153599	20.82	ug/L		95
68)	Tetrachloroethene	10.884	166	170677	22.36	ug/L		96
69)	Ethyl methacrylate	10.993	69	124882	18.29	ug/L		97
70)	1,1,2-Trichloroethane	11.048	83	99178	21.43	ug/L		96
71)	Dibromochloromethane	11.243	129	122288	19.16	ug/L		98
72)	1,3-Dichloropropane	11.335	76	180565	18.83	ug/L		100
73)	1,2-Dibromoethane	11.506	107	119685	20.16	ug/L		97
74)	3,3-dimethyl-1-butanol	11.597	57	447679	1121.42	ug/L		99
75)	2-hexanone	11.658	43	438993	107.54	ug/L		99
76)	1-Chlorohexane	11.944	91	159186m	22.69	ug/L		
77)	Ethylbenzene	12.005	91	628211	21.38	ug/L		99
78)	Chlorobenzene	12.012	112	374614	21.41	ug/L		99
79)	1,1,1,2-Tetrachloroethane	12.060	131	129033	21.29	ug/L		98
80)	m,p-Xylene	12.146	91	942095	42.48	ug/L		98
81)	o-Xylene	12.591	91	451897	21.08	ug/L		97
82)	Styrene	12.639	104	322163	21.45	ug/L		98
83)	Bromoform	12.700	173	73829	19.26	ug/L		96
84)	Isopropylbenzene	12.889	105	568150	21.78	ug/L		99
87)	cis-1,4-Dichloro-2-butene	13.249	53	31807	15.45	ug/L		88
88)	n-Propylbenzene	13.310	91	655197	21.13	ug/L		100
89)	Bromobenzene	13.334	156	154262	19.55	ug/L		99
90)	1,1,2,2-Tetrachloroethane	13.383	83	156576	20.17	ug/L		99
91)	1,3,5-Trimethylbenzene	13.493	105	454652	20.55	ug/L		98
92)	2-Chlorotoluene	13.670	91	394230	20.56	ug/L		99
93)	trans-1,4-Dichloro-2-B...	13.566	53	25965	13.11	ug/L	#	73
94)	1,2,3-Trichloropropane	13.542	110	47723	19.24	ug/L		95
95)	Cyclohexanone	13.621	55	16863	91.56	ug/L		97
96)	4-Chlorotoluene	13.670	91	394230	20.56	ug/L		99
97)	tert-Butylbenzene	13.834	91	247475	20.83	ug/L		99
99)	1,2,4-Trimethylbenzene	13.901	105	454916	21.22	ug/L		98
100)	Pentachloroethane	13.889	167	80708	20.06	ug/L		98
101)	sec-Butylbenzene	14.017	105	536945	22.66	ug/L		100
102)	4-Isopropyltoluene	14.151	119	454658	21.89	ug/L		100
103)	1,3-Dichlorobenzene	14.286	146	288053	20.99	ug/L		99
104)	1,2,3-Trimethylbenzene	14.359	105	484959	21.34	ug/L		99
105)	1,4-Dichlorobenzene	14.371	146	306658	21.89	ug/L		98
106)	n-Butylbenzene	14.578	92	192761	18.71	ug/L		96
107)	Benzyl Chloride	14.602	126	19842	9.49	ug/L		95
108)	1,2-Dichlorobenzene	14.791	146	267560	20.49	ug/L		100
109)	1,2-Dibromo-3-Chloropr...	15.529	75	20729	16.88	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:45:23 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

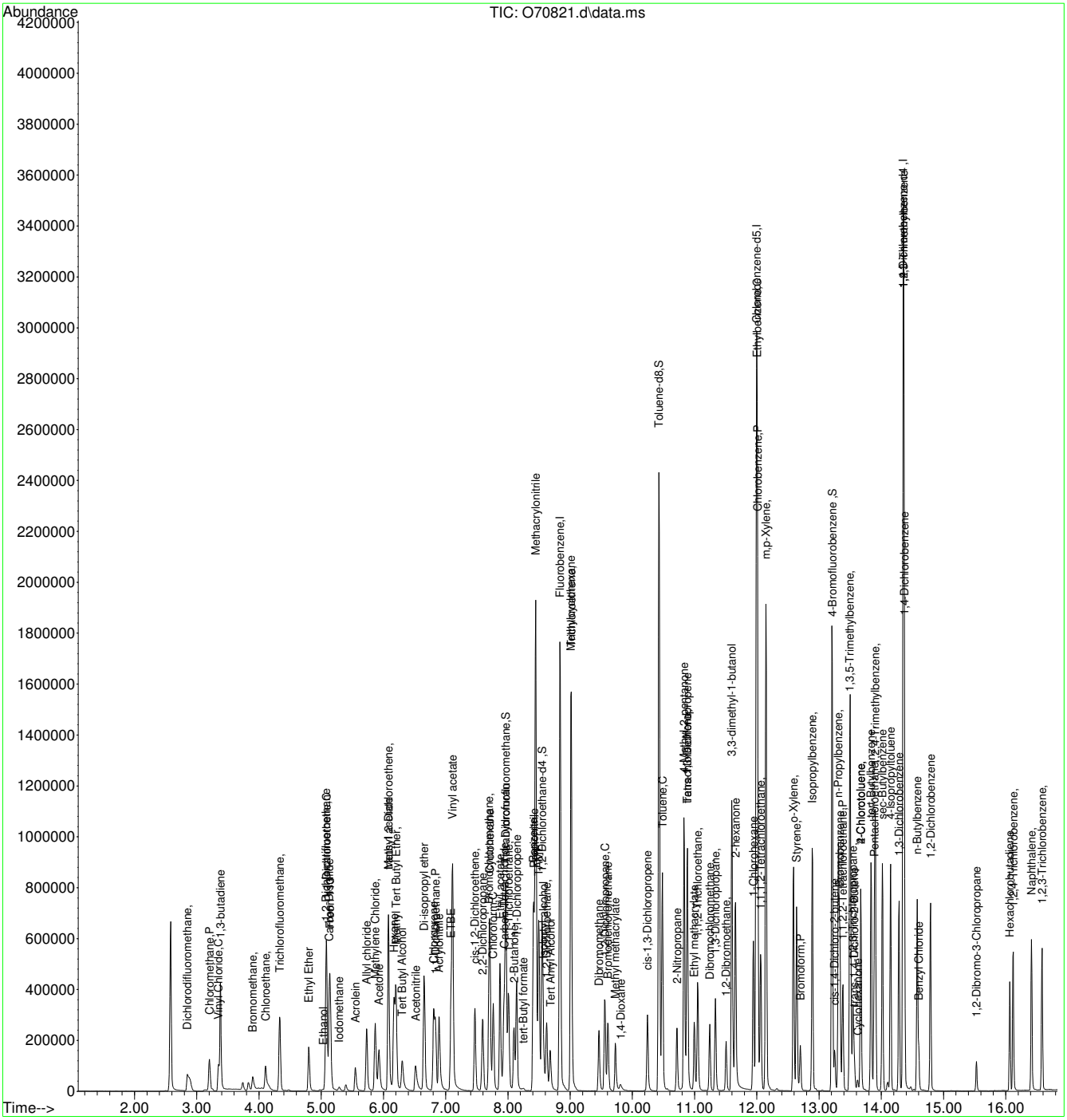
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) Hexachlorobutadiene	16.066	225	59949	20.08	ug/L	98
111) 1,2,4-Trichlorobenzene	16.121	180	146957	18.67	ug/L	96
112) Naphthalene	16.413	128	380005	18.92	ug/L	99
113) 1,2,3-Trichlorobenzene	16.584	180	147463	19.01	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:45:23 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

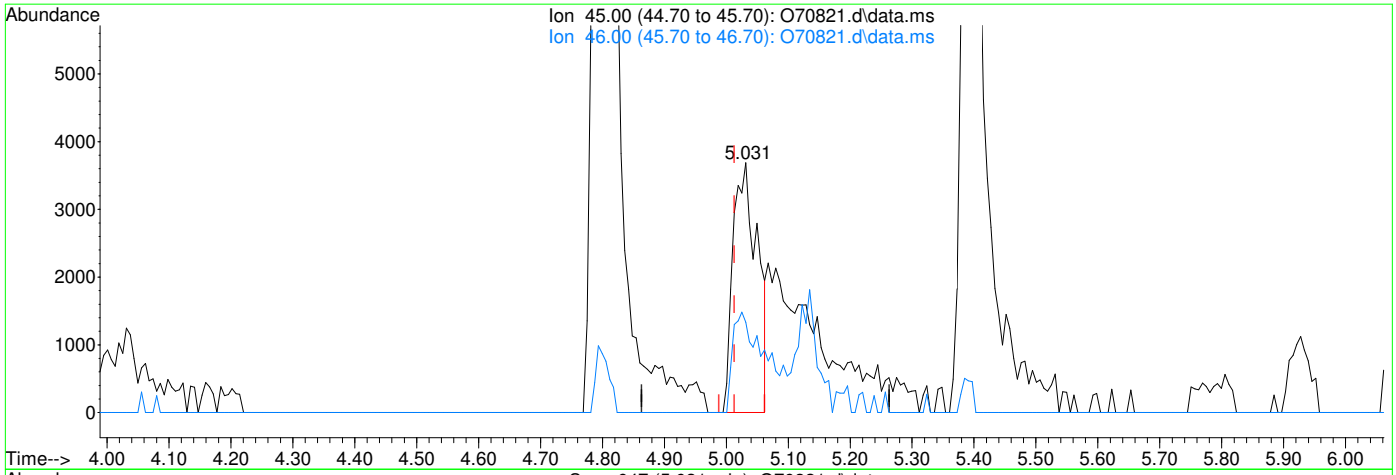
Sample Number: FA98452-2MS
Lab FileID: O70821.D
Injection Time: 09/01/22 21:28
Method: SW846 8260D
Analyst approved: 09/02/22 08:09 Jo-Ann Lugo De Jesus
Supervisor approved: 09/07/22 15:52 Karen Watson

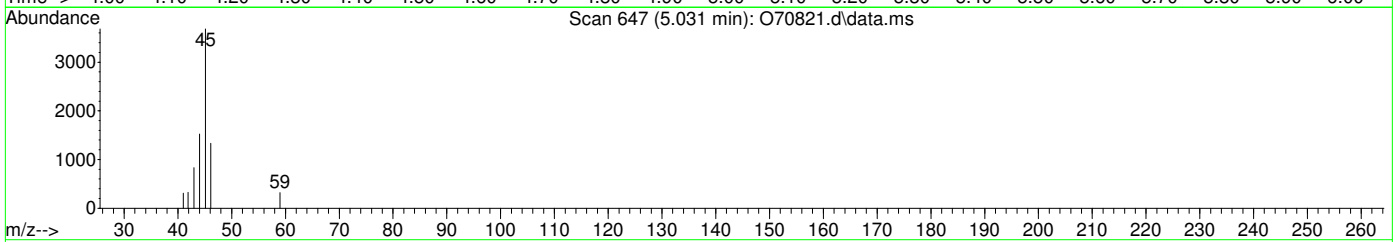
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.03	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.52	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

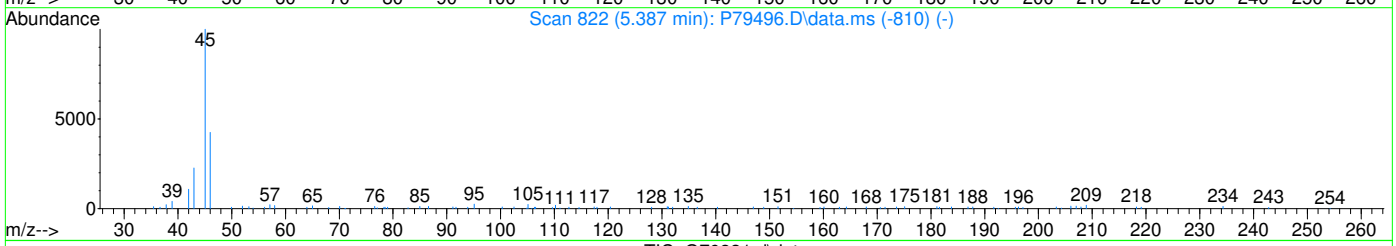
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:32:47 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70821.d\data.ms

(10) Ethanol

5.031min (+0.018) 206.93ug/L

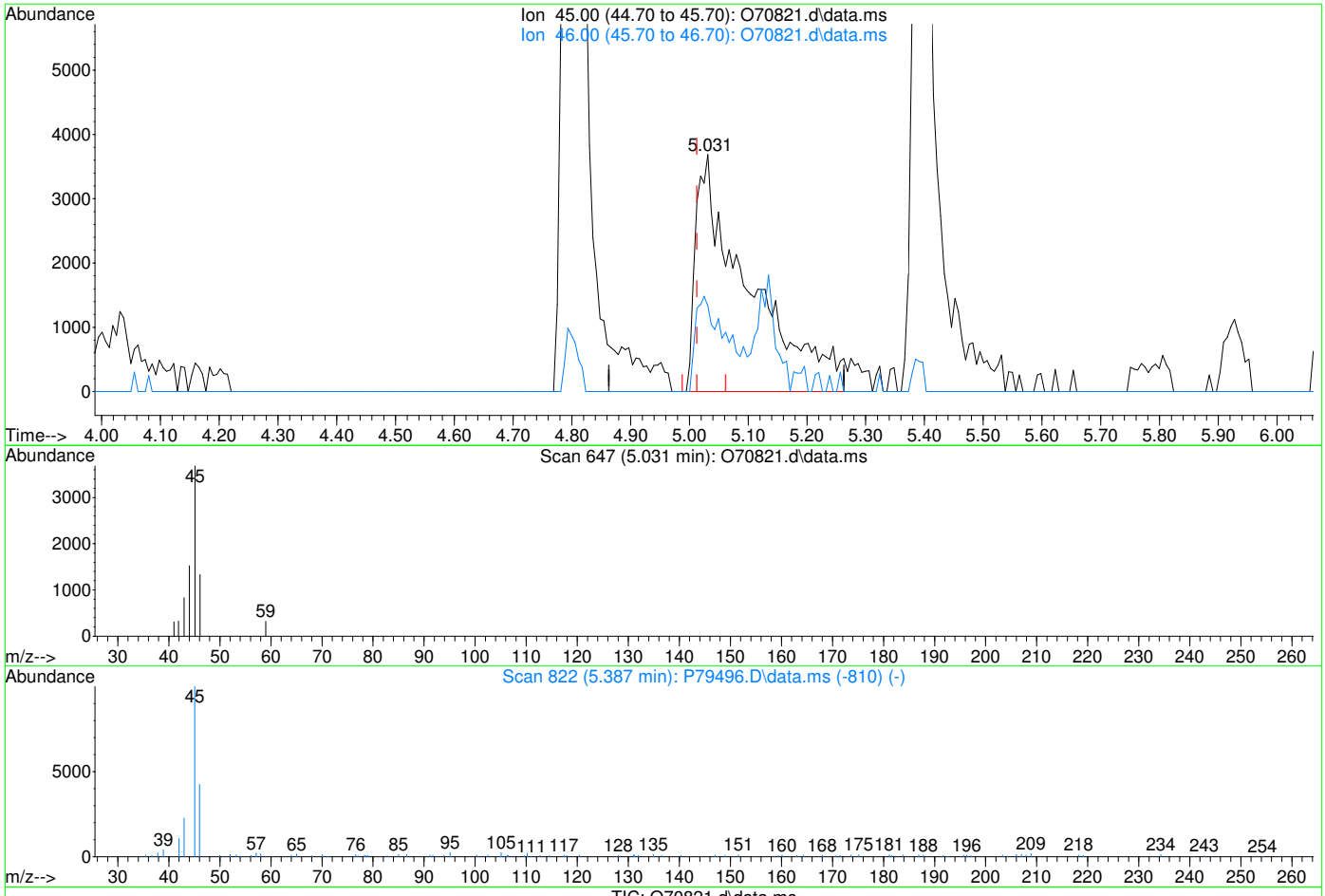
response 10055

Ion	Exp%	Act%
45.00	100	100
46.00	37.00	36.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:32:47 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



TIC: O70821.d\data.ms

(10) Ethanol

5.031min (+0.018) 484.67ug/L m

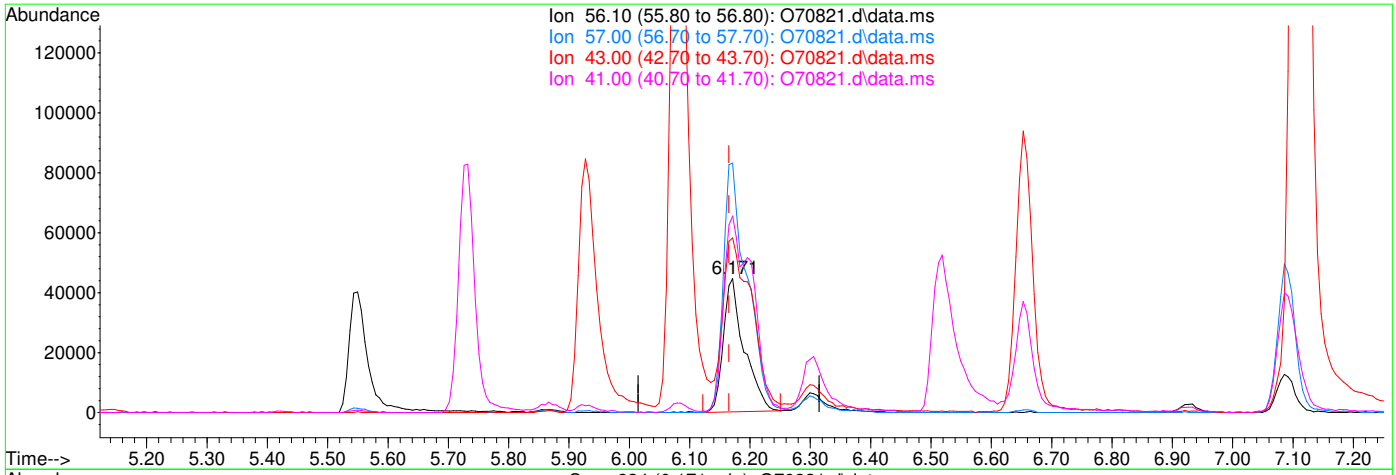
response 23859

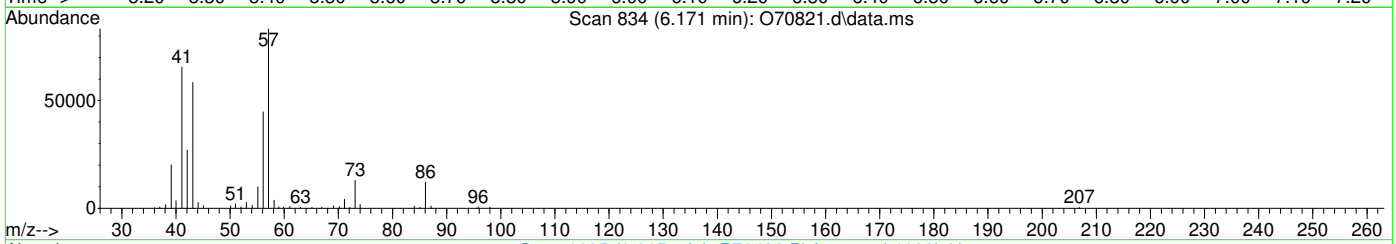
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	36.19
0.00	0.00	0.00
0.00	0.00	0.00

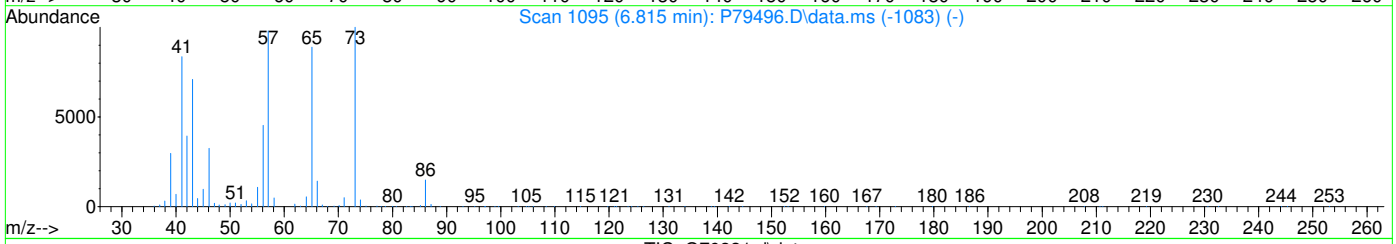
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:32:47 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70821.d\data.ms

(22) Hexane

6.171min (+0.006) 33.64ug/L

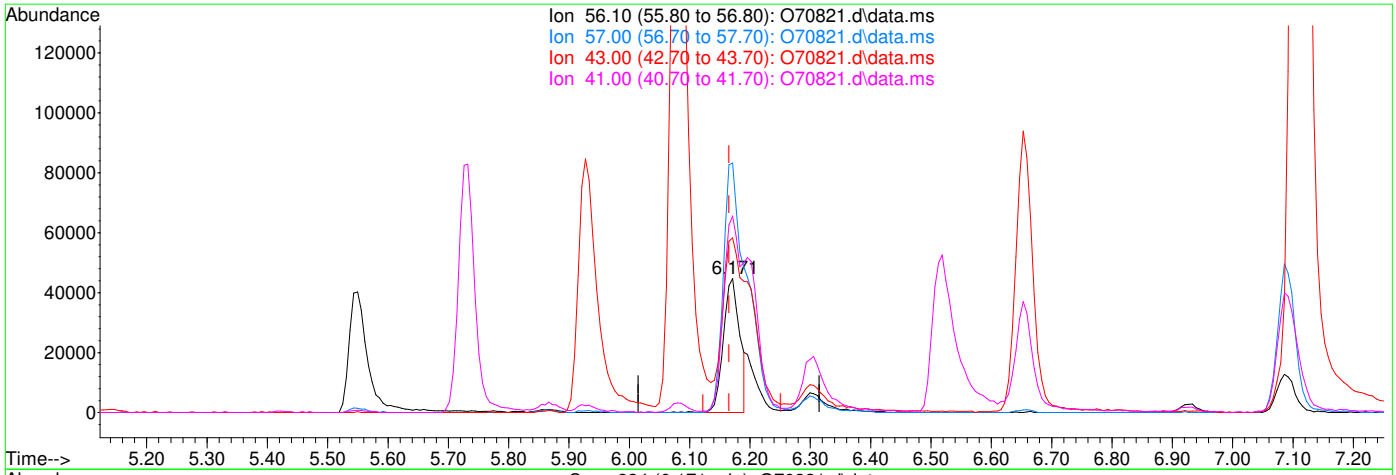
response 107104

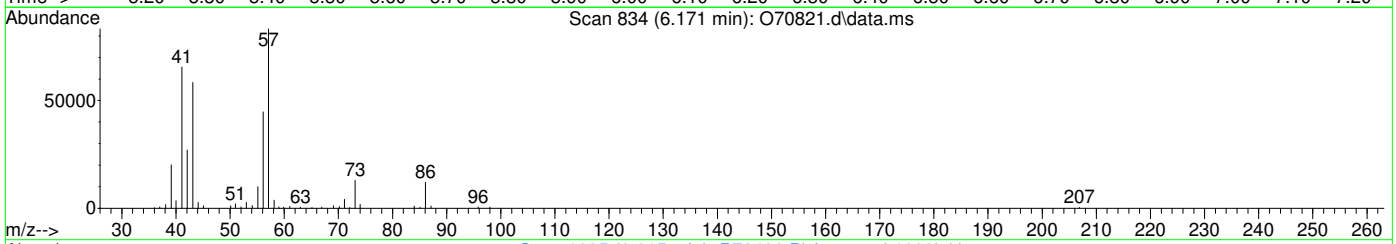
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	186.03
43.00	133.10	124.05
41.00	145.50	145.35

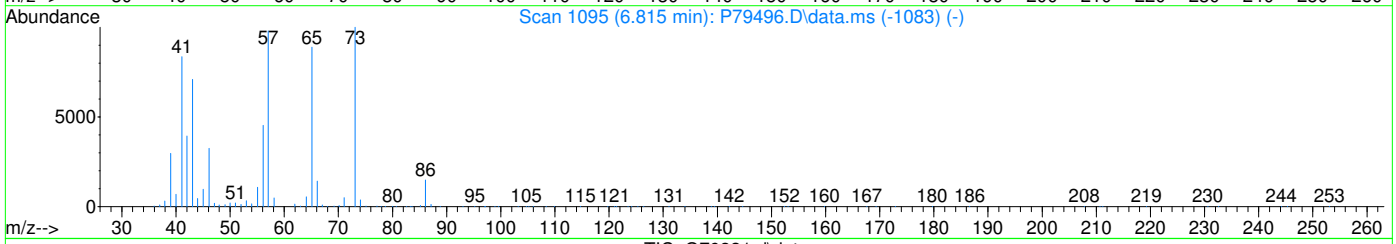
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:32:47 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70821.d\data.ms

(22) Hexane

6.171min (+0.006) 26.74ug/L m

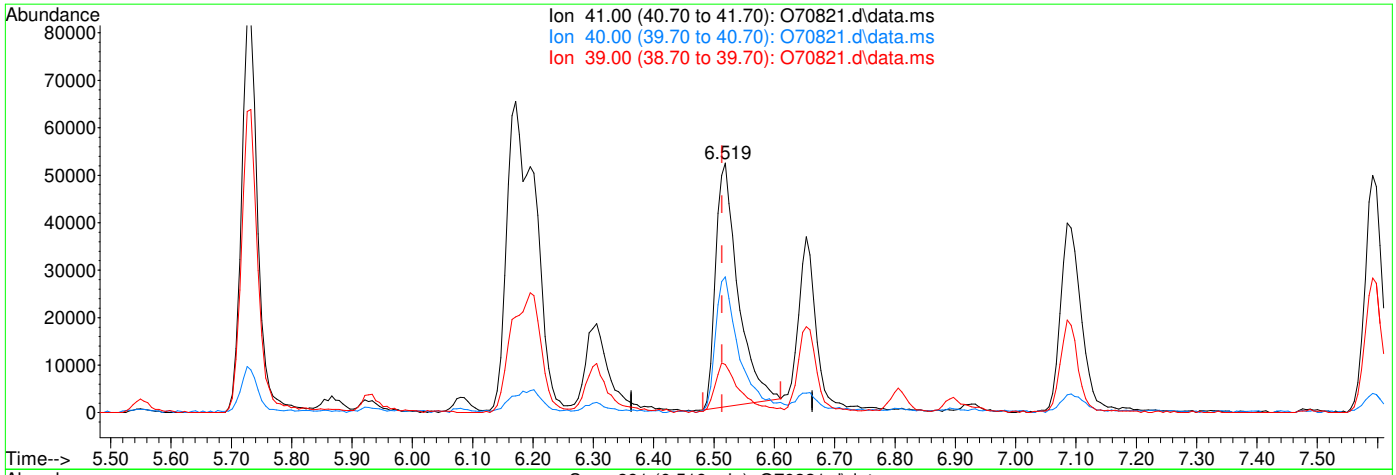
response 84420

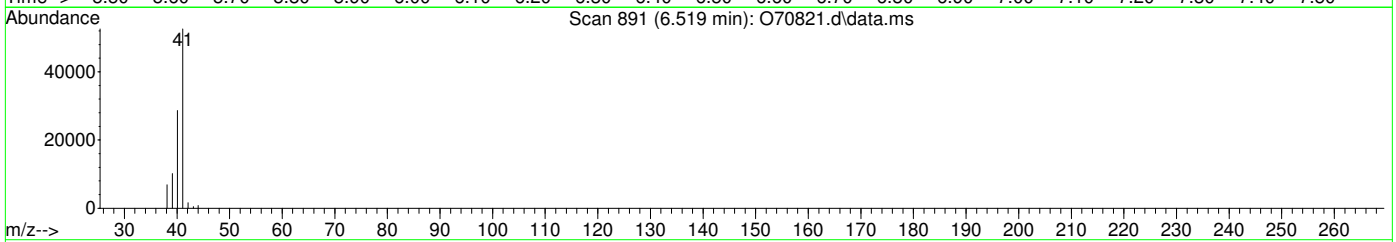
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	186.03
43.00	133.10	130.24
41.00	145.50	146.43

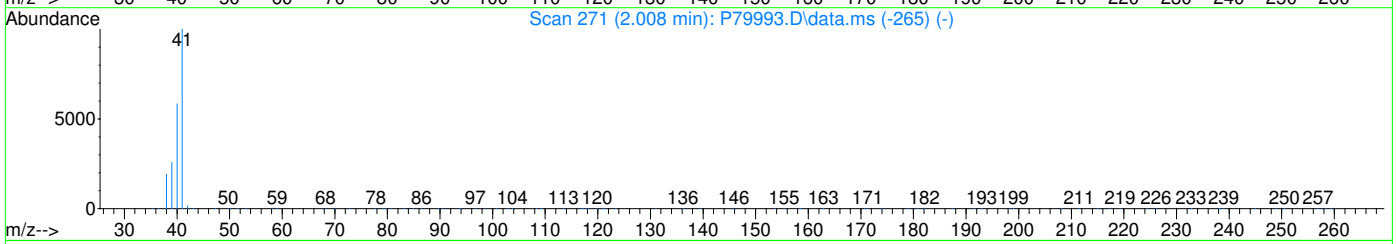
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:32:47 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70821.d\data.ms

(25) Acetonitrile

6.519min (+0.006) 190.85ug/L

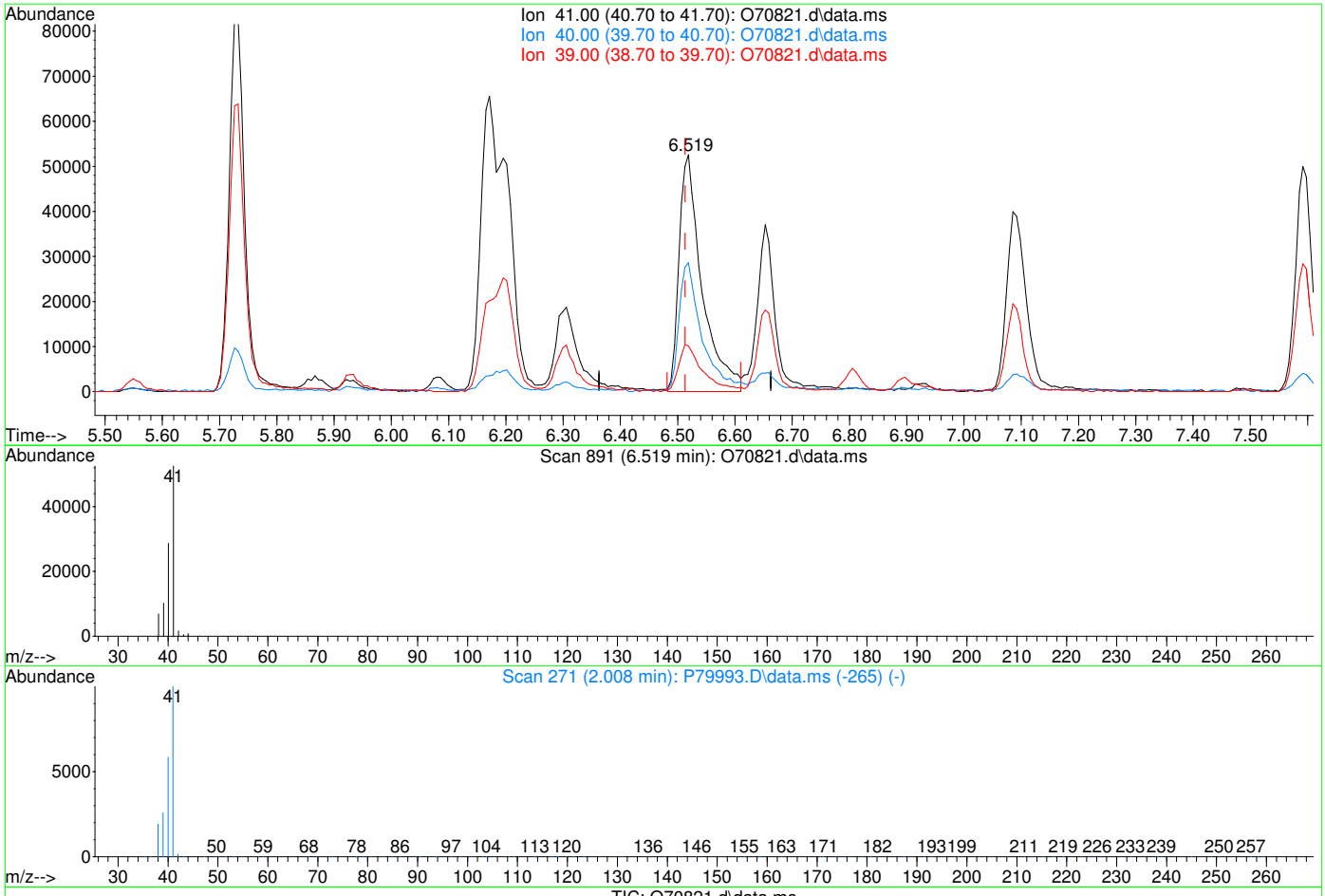
response 133159

Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.24
39.00	20.00	18.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:32:47 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



TIC: O70821.d\data.ms

(25) Acetonitrile

6.519min (+0.006) 209.59ug/L m

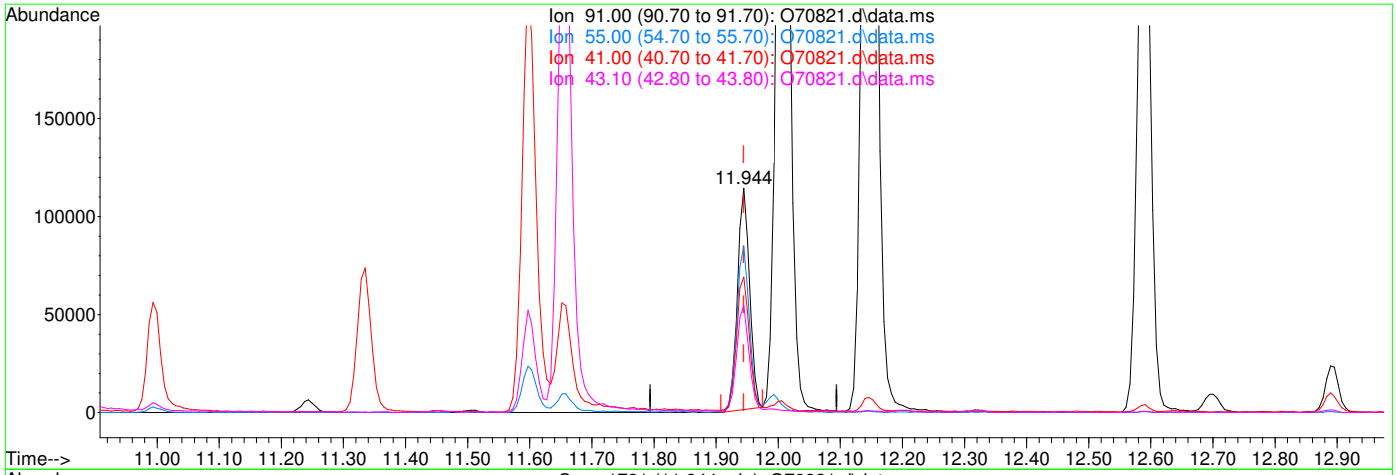
response 146257

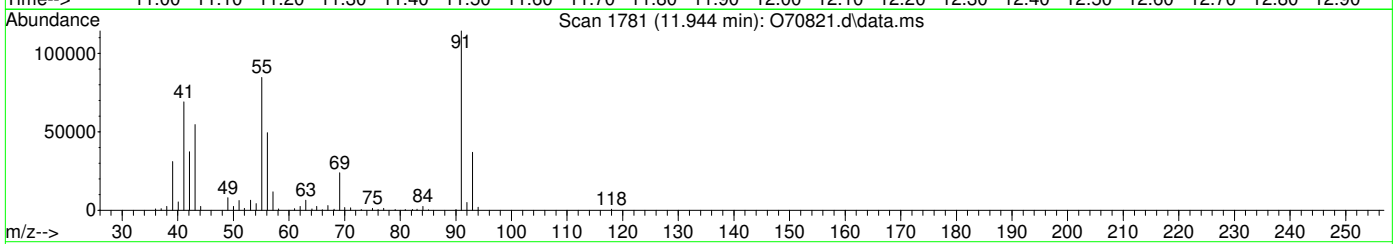
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.39
39.00	20.00	19.27
0.00	0.00	0.00

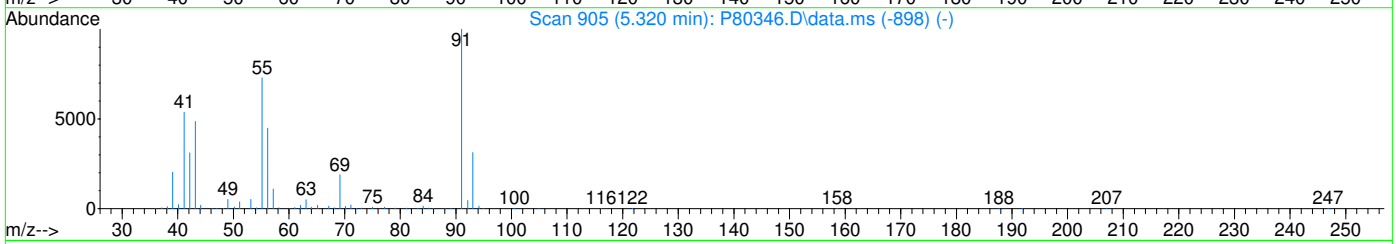
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:32:47 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70821.d\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 21.88ug/L

response 153464

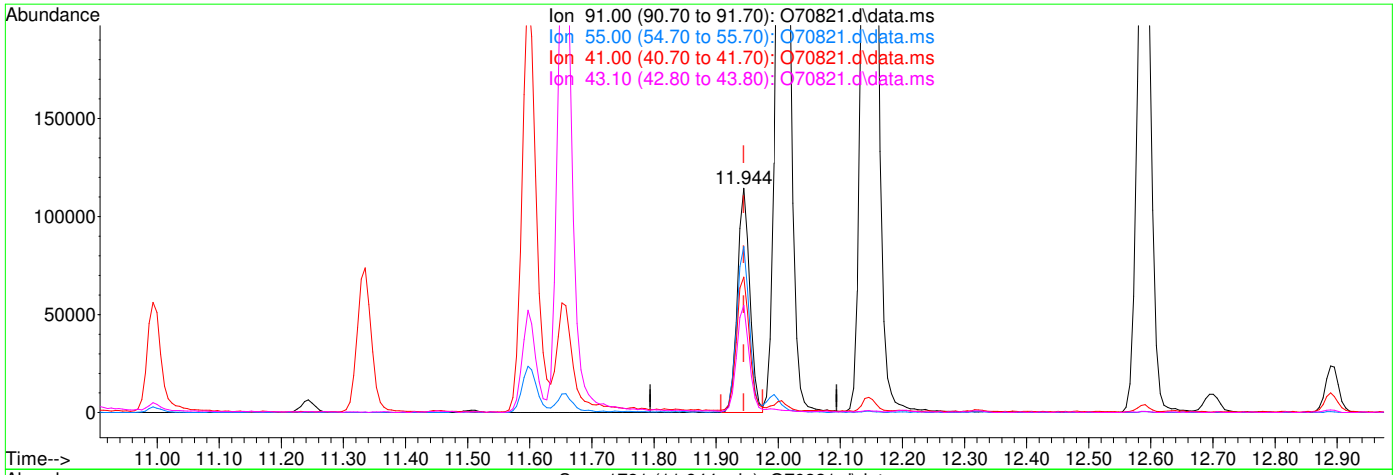
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	73.62
41.00	54.70	59.34
43.10	44.50	47.25

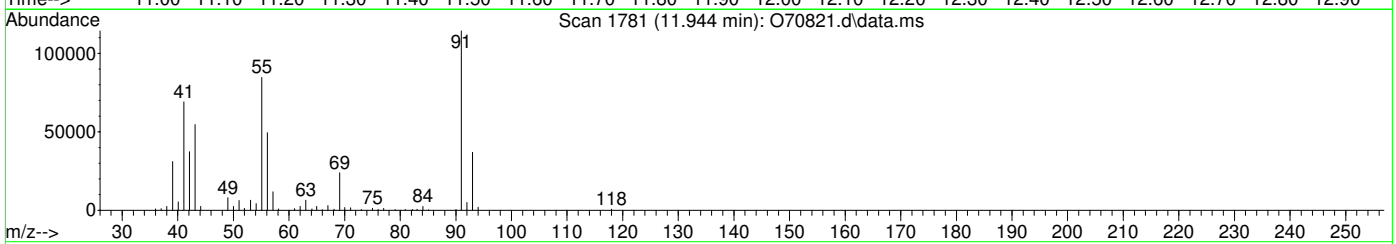
O70821.D edits: 1-Chlorohexane

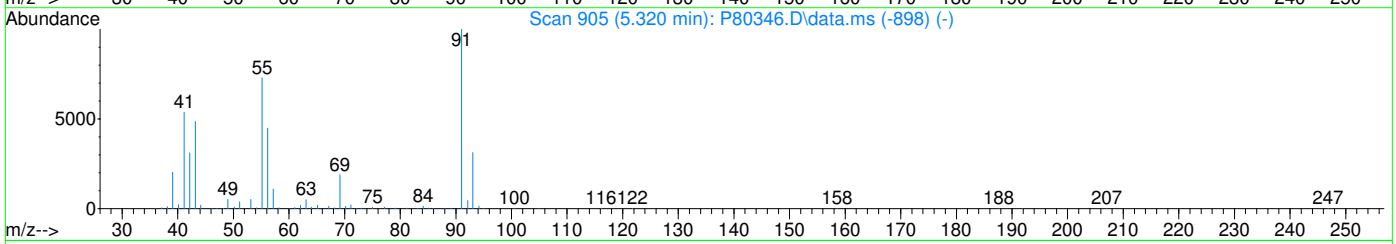
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70821.d
Acq On : 1 Sep 2022 9:28 pm
Operator : joannel
Sample : FA98452-2MS
Misc : MS52309,VO2808,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 02 01:32:47 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70821.d\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 22.69ug/L m

response 159186

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	73.96
41.00	54.70	60.43
43.10	44.50	47.78

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 15:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:47:58 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1487089	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1227778	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	644942	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	413724	49.28	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.56%		
50) 1,2-Dichloroethane-d4	8.549	65	416618	48.24	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	96.48%		
63) Toluene-d8	10.426	98	1472632	47.84	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	95.68%		
86) 4-Bromofluorobenzene	13.212	174	505925	48.99	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	97.98%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	163430	30.79	ug/L	98
3) Chloromethane	3.202	50	166401	28.11	ug/L	99
4) 1,3-butadiene	3.379	39	146107	26.30	ug/L	97
5) Vinyl Chloride	3.348	62	184752	27.80	ug/L	99
6) Bromomethane	3.897	94	58256	17.59	ug/L	94
7) Chloroethane	4.104	64	125100	28.37	ug/L	93
8) Trichlorofluoromethane	4.330	101	271027	25.70	ug/L	98
9) Ethyl Ether	4.799	59	99811	21.27	ug/L	98
10) Ethanol	5.019	45	28410m	543.08	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	177203	29.22	ug/L	98
12) 1,1-Dichloroethene	5.086	61	213079	25.04	ug/L	97
13) Freon 113	5.141	101	142134	26.42	ug/L	98
14) Carbon Disulfide	5.129	76	315710	20.86	ug/L	99
15) Iodomethane	5.293	142	34578	11.95	ug/L	99
16) Acrolein	5.549	56	93717	81.72	ug/L	100
17) Allyl chloride	5.726	41	166814	23.93	ug/L	99
18) Methylene Chloride	5.866	49	192542	24.25	ug/L	98
19) Acetone	5.927	43	202626	119.16	ug/L	98
20) Methyl acetate	6.080	43	461183	104.29	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	201397	23.74	ug/L	97
22) Hexane	6.165	56	87723m	26.23	ug/L	
23) Methyl Tert Butyl Ether	6.195	73	382902	25.90	ug/L	99
24) Tert Butyl Alcohol	6.299	59	138182	254.95	ug/L	95
25) Acetonitrile	6.519	41	153508m	207.57	ug/L	
26) Di-isopropyl ether	6.653	45	397514	22.89	ug/L	98
27) Chloroprene	6.805	53	185870	108.66	ug/L	99
28) 1,1-Dichloroethane	6.836	63	264099	25.21	ug/L	99
29) Acrylonitrile	6.890	52	206219	109.73	ug/L	96
30) ETBE	7.086	59	349610	20.76	ug/L	99
31) Vinyl acetate	7.110	43	1163336	100.74	ug/L	99
32) cis-1,2-Dichloroethene	7.470	96	146628	24.50	ug/L	98
33) 2,2-Dichloropropane	7.592	77	152903	18.61	ug/L	98
34) Bromochloromethane	7.695	128	78421	23.50	ug/L	98
35) Cyclohexane	7.707	56	228311	24.91	ug/L	98
36) Chloroform	7.762	83	256181	23.08	ug/L	98
37) Ethyl acetate	7.872	43	566075	100.16	ug/L	98
38) Tetrahydrofuran	7.957	42	39950	22.56	ug/L	91
40) Carbon Tetrachloride	7.939	117	202502	23.75	ug/L	96
41) 1,1,1-Trichloroethane	8.012	97	240722	24.52	ug/L	99
42) 2-Butanone	8.098	43	307623	109.16	ug/L	99
43) 1,1-Dichloropropene	8.140	75	188966	23.33	ug/L	93
44) tert-Butyl formate	8.250	59	2654	0.68	ug/L #	60

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:47:58 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	8.421	54	184853	202.08	ug/L		99
46)	Methacrylonitrile	8.445	41	929466	216.79	ug/L		98
47)	Benzene	8.408	78	537812	22.96	ug/L		97
48)	TAME	8.494	73	421094	29.86	ug/L		97
49)	Isobutyl alcohol	8.567	43	75288	404.74	ug/L		91
51)	1,2-Dichloroethane	8.622	62	206454	22.73	ug/L		98
52)	Tert Amyl Alcohol	8.683	59	69721	191.62	ug/L		91
53)	Trichloroethene	9.018	95	329085	51.81	ug/L		96
54)	Methylcyclohexane	9.012	83	198298	27.34	ug/L		97
55)	Dibromomethane	9.463	93	86662	21.78	ug/L		97
56)	1,2-Dichloropropane	9.555	63	128238	22.01	ug/L		98
57)	Bromodichloromethane	9.603	83	164869	22.26	ug/L		98
58)	Methyl methacrylate	9.725	41	94863	20.24	ug/L		96
59)	1,4-Dioxane	9.811	88	24846	488.93	ug/L		96
61)	cis-1,3-Dichloropropene	10.243	75	161822	19.50	ug/L		100
64)	Toluene	10.481	91	580466	21.93	ug/L		99
65)	2-Nitropropane	10.719	41	140882	89.42	ug/L		96
66)	4-Methyl-2-pentanone	10.829	43	651305	104.14	ug/L		98
67)	trans-1,3-Dichloropropene	10.884	75	167799	22.01	ug/L		95
68)	Tetrachloroethene	10.884	166	175665	22.27	ug/L		97
69)	Ethyl methacrylate	10.993	69	131400	18.62	ug/L		95
70)	1,1,2-Trichloroethane	11.048	83	105384	22.04	ug/L		98
71)	Dibromochloromethane	11.243	129	131979	20.01	ug/L		96
72)	1,3-Dichloropropane	11.335	76	193607	19.55	ug/L		98
73)	1,2-Dibromoethane	11.505	107	126000	20.54	ug/L		99
74)	3,3-dimethyl-1-butanol	11.597	57	482543	1166.18	ug/L		99
75)	2-hexanone	11.658	43	454412	107.74	ug/L		99
76)	1-Chlorohexane	11.944	91	167782m	23.15	ug/L		
77)	Ethylbenzene	12.005	91	658033	21.67	ug/L		99
78)	Chlorobenzene	12.011	112	393137	21.75	ug/L		98
79)	1,1,1,2-Tetrachloroethane	12.060	131	136477	21.80	ug/L		99
80)	m,p-Xylene	12.146	91	991485	43.27	ug/L		99
81)	o-Xylene	12.591	91	479222	21.64	ug/L		98
82)	Styrene	12.639	104	342291	22.06	ug/L		98
83)	Bromoform	12.700	173	80336	20.28	ug/L		98
84)	Isopropylbenzene	12.889	105	595233	22.09	ug/L		99
87)	cis-1,4-Dichloro-2-butene	13.249	53	33257	15.64	ug/L		86
88)	n-Propylbenzene	13.310	91	683508	21.36	ug/L		99
89)	Bromobenzene	13.334	156	166705	20.47	ug/L		98
90)	1,1,2,2-Tetrachloroethane	13.377	83	169386	21.14	ug/L		99
91)	1,3,5-Trimethylbenzene	13.493	105	477128	20.89	ug/L		99
92)	2-Chlorotoluene	13.670	91	416769	21.05	ug/L		99
93)	trans-1,4-Dichloro-2-B...	13.566	53	29702	14.53	ug/L	#	76
94)	1,2,3-Trichloropropane	13.548	110	50410	19.69	ug/L		96
95)	Cyclohexanone	13.621	55	18604	97.87	ug/L		95
96)	4-Chlorotoluene	13.670	91	416769	21.05	ug/L		99
97)	tert-Butylbenzene	13.834	91	259416	21.16	ug/L		98
99)	1,2,4-Trimethylbenzene	13.901	105	473465	21.40	ug/L		99
100)	Pentachloroethane	13.889	167	83141	20.02	ug/L		98
101)	sec-Butylbenzene	14.017	105	556845	22.77	ug/L		99
102)	4-Isopropyltoluene	14.151	119	473431	22.09	ug/L		99
103)	1,3-Dichlorobenzene	14.285	146	305461	21.56	ug/L		99
104)	1,2,3-Trimethylbenzene	14.358	105	512024	21.83	ug/L		98
105)	1,4-Dichlorobenzene	14.371	146	324533	22.44	ug/L		99
106)	n-Butylbenzene	14.578	92	204680	19.24	ug/L		99
107)	Benzyl Chloride	14.602	126	22058	10.18	ug/L		93
108)	1,2-Dichlorobenzene	14.791	146	284897	21.13	ug/L		98
109)	1,2-Dibromo-3-Chloropr...	15.529	75	21555	17.00	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:47:58 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

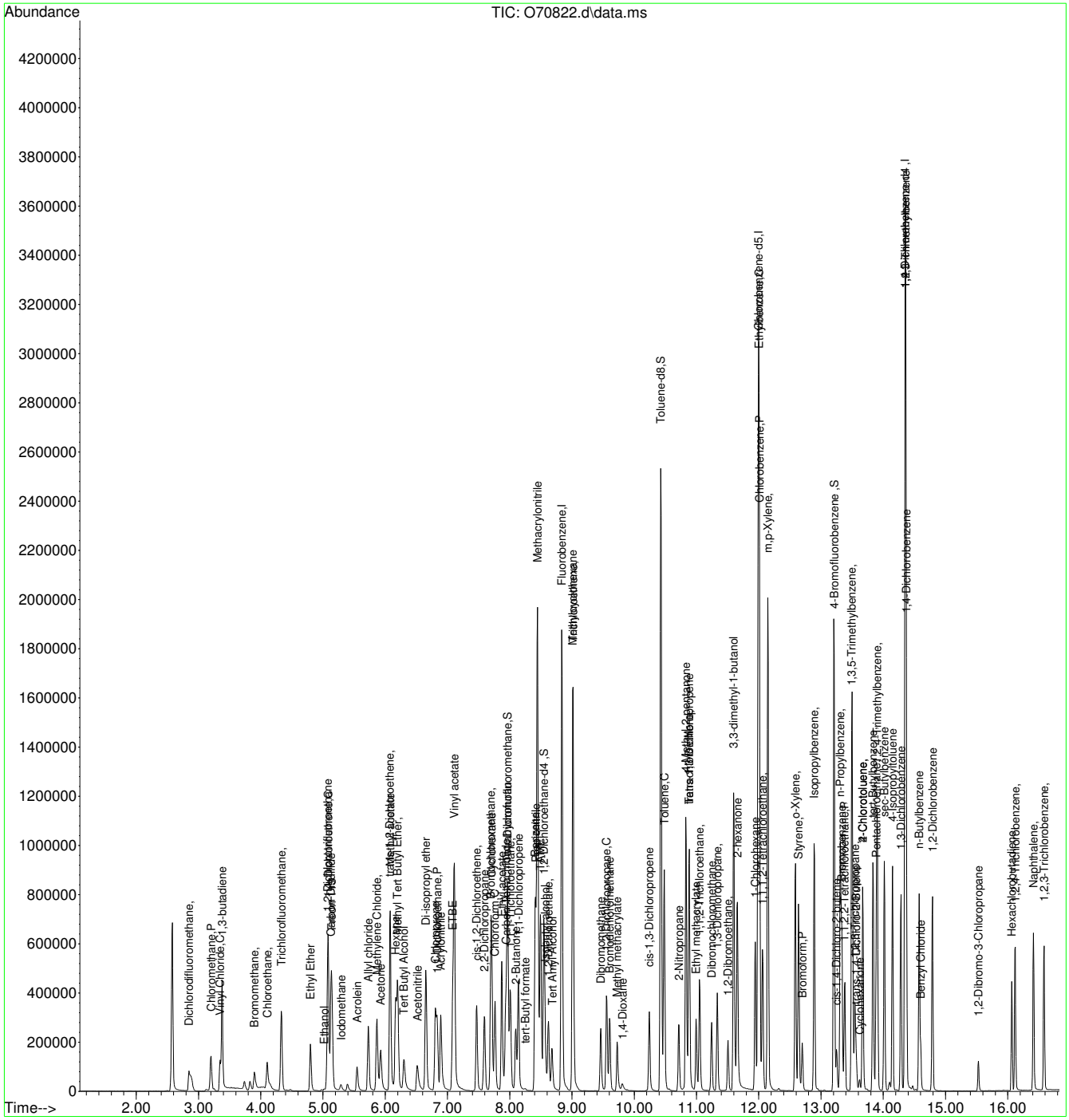
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) Hexachlorobutadiene	16.065	225	64373	20.89	ug/L	98
111) 1,2,4-Trichlorobenzene	16.120	180	160595	19.76	ug/L	99
112) Naphthalene	16.413	128	412285	19.87	ug/L	99
113) 1,2,3-Trichlorobenzene	16.584	180	157468	19.67	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:47:58 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

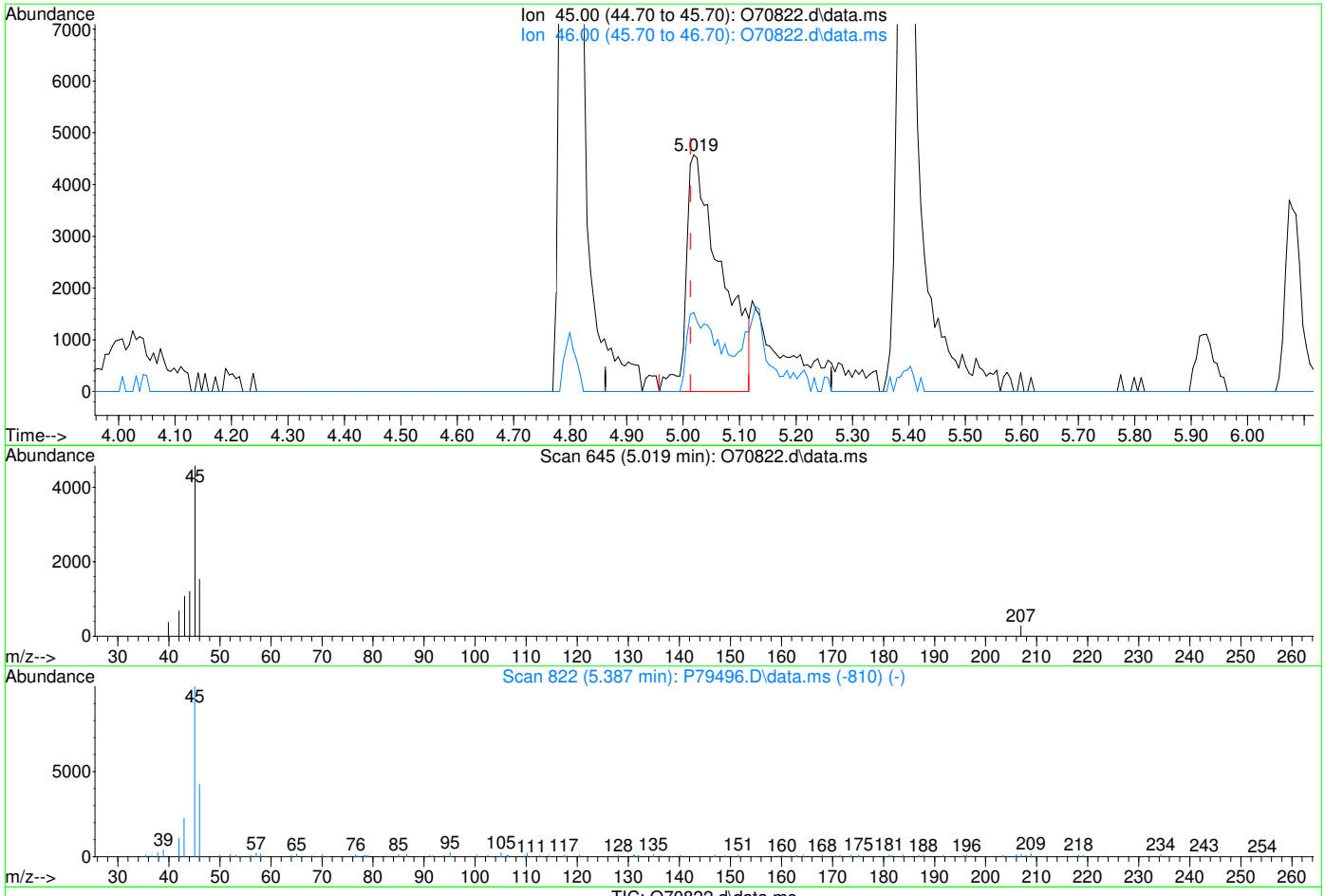
Sample Number: FA98452-2MSD
Lab FileID: O70822.D
Injection Time: 09/01/22 21:53
Method: SW846 8260D
Analyst approved: 09/02/22 08:09 Jo-Ann Lugo De Jesus
Supervisor approved: 09/07/22 15:52 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.02	Poor instrument integration
Hexane	110-54-3		6.16	Overlapping peak
Acetonitrile	75-05-8		6.52	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:32:51 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



TIC: O70822.d\data.ms

(10) Ethanol

5.019min (+0.006) 379.14ug/L

response 19683

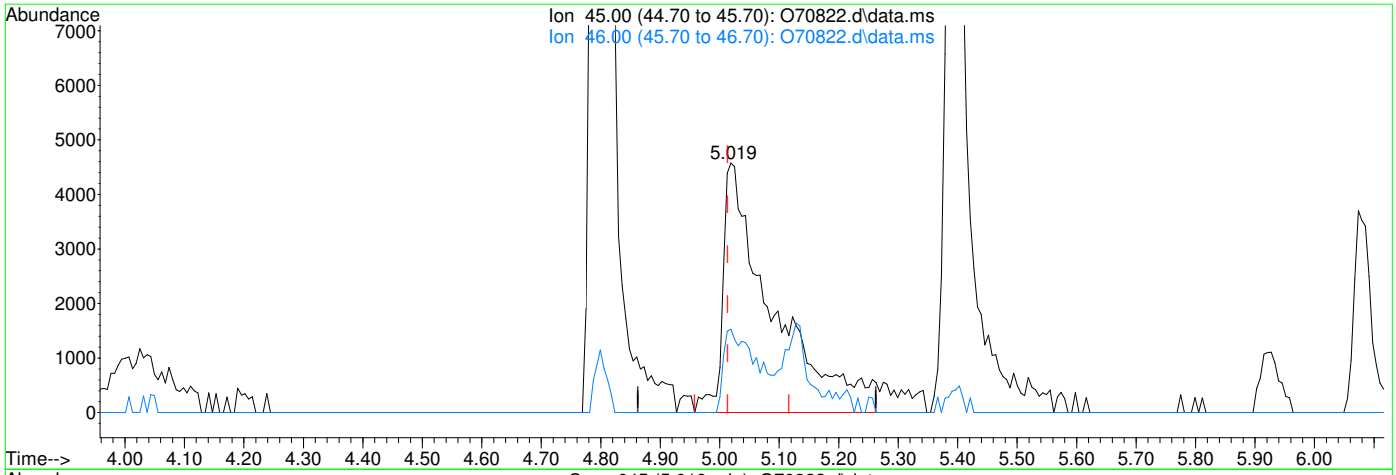
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	33.33
0.00	0.00	0.00
0.00	0.00	0.00

O70822.D edits: Ethanol

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:32:51 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



TIC: O70822.d\data.ms

(10) Ethanol

5.019min (+0.006) 543.08ug/L m

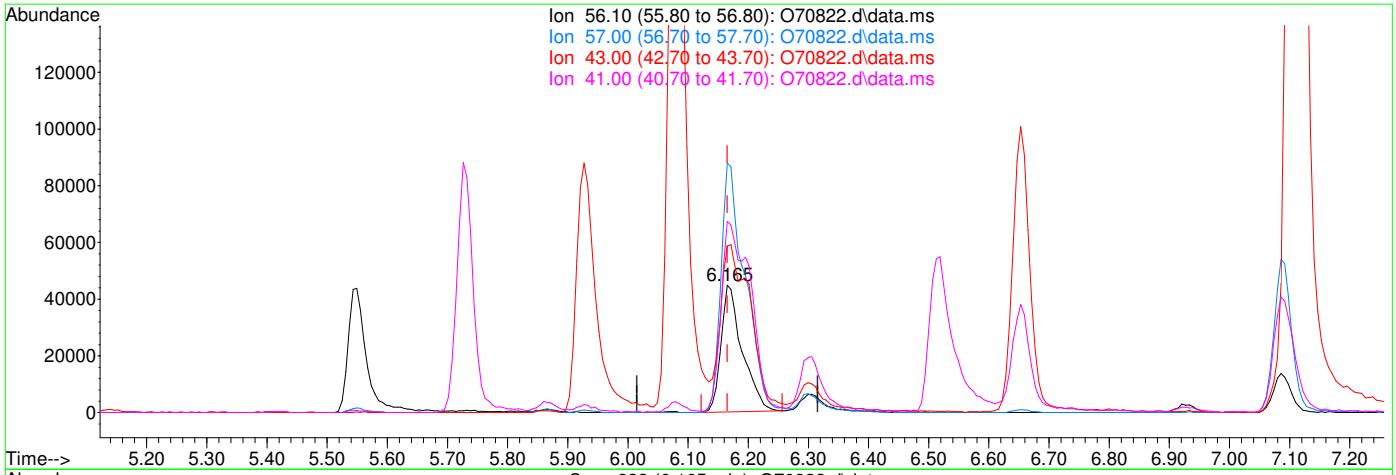
response 28410

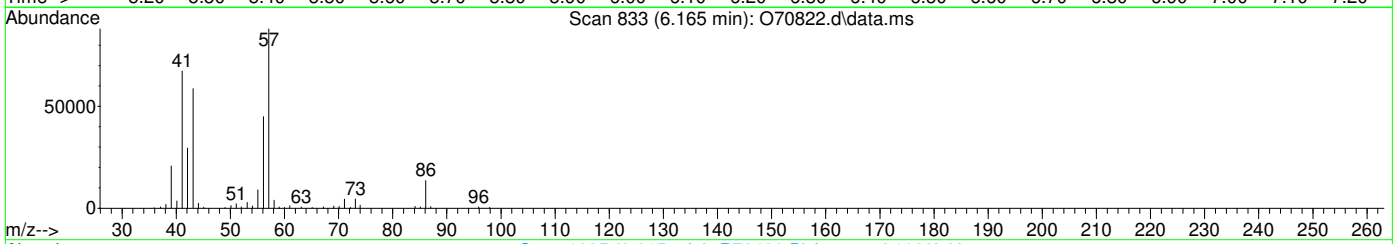
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	33.33
0.00	0.00	0.00
0.00	0.00	0.00

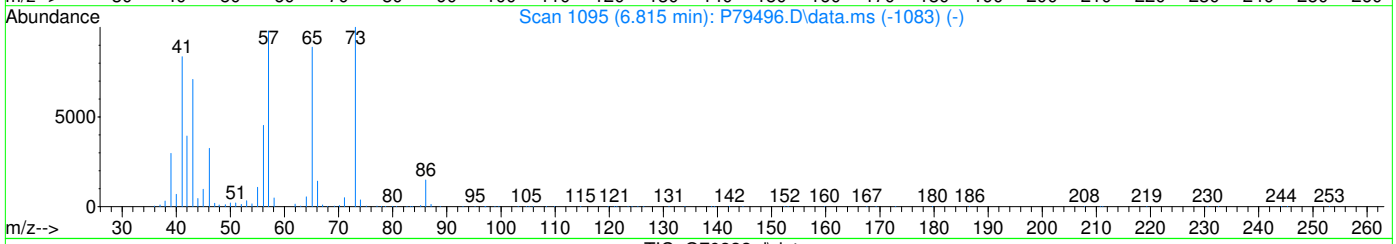
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:32:51 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70822.d\data.ms

(22) Hexane

6.165min (-0.000) 32.57ug/L

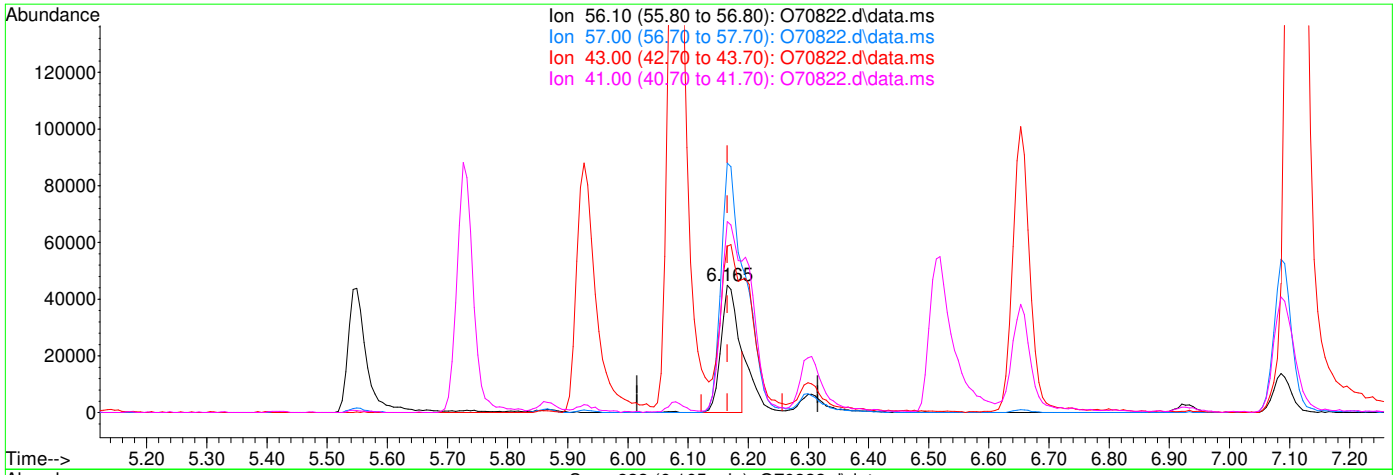
response 109758

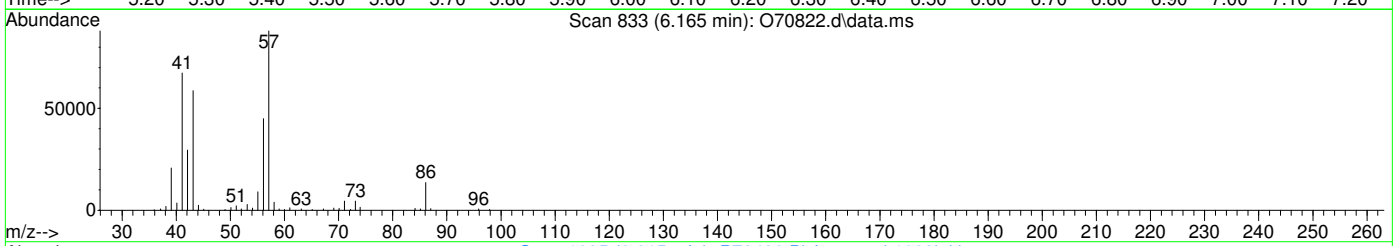
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	195.98
43.00	133.10	123.58
41.00	145.50	148.60

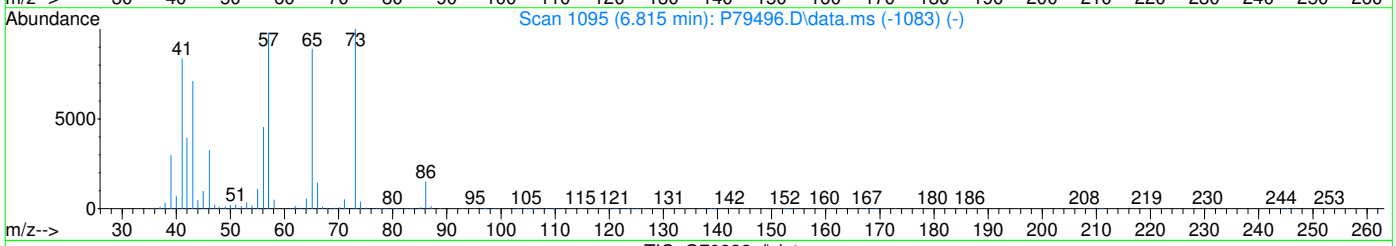
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:32:51 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70822.d\data.ms

(22) Hexane

6.165min (-0.000) 26.23ug/L m

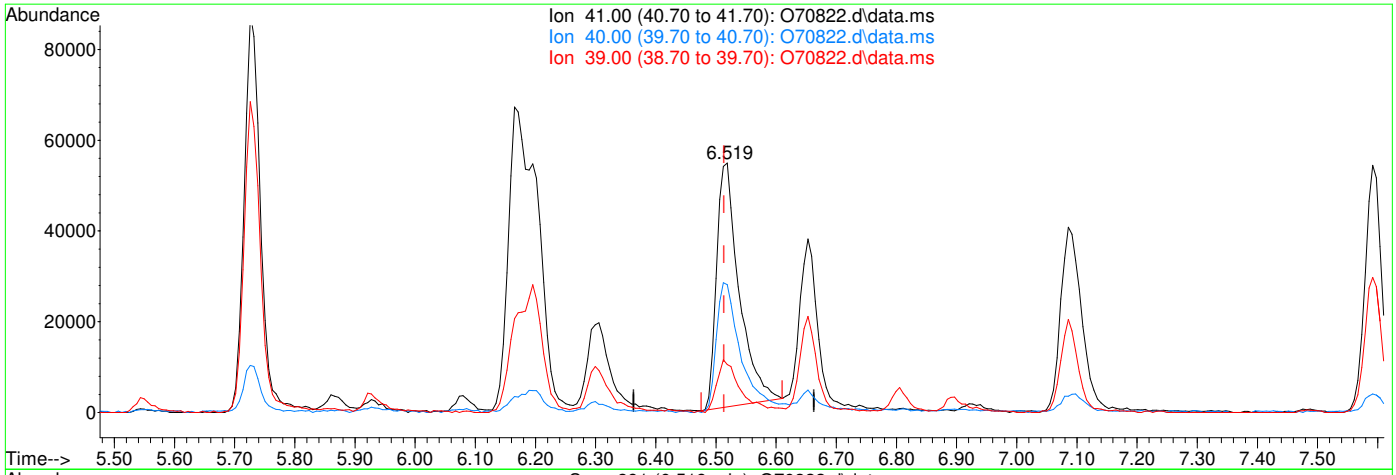
response 87723

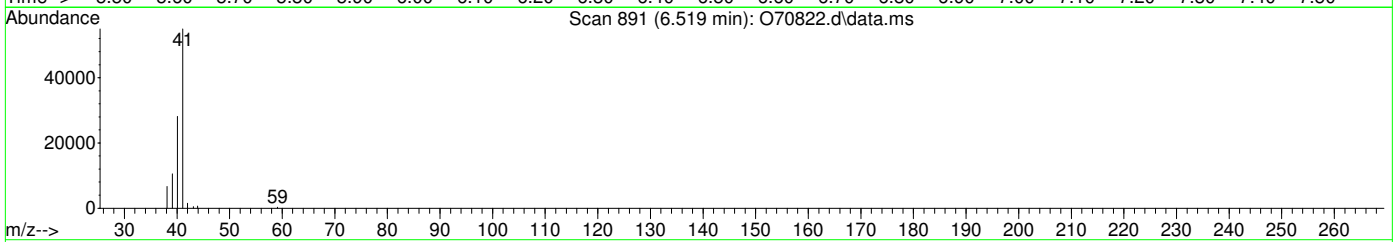
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	195.98
43.00	133.10	130.64
41.00	145.50	149.86

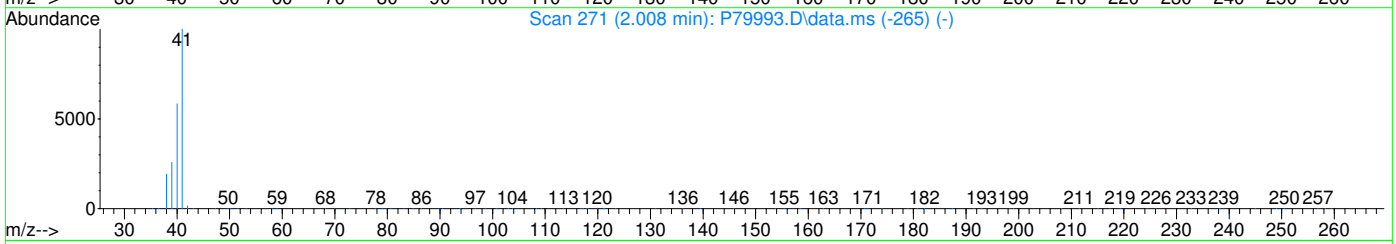
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:32:51 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70822.d\data.ms

(25) Acetonitrile

6.519min (+0.006) 187.99ug/L

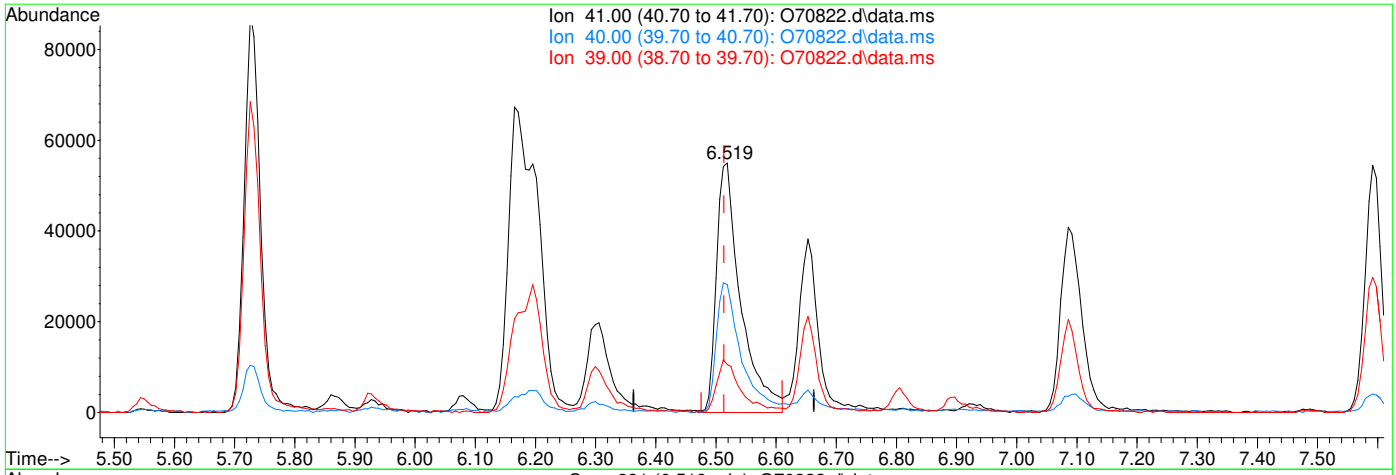
response 139004

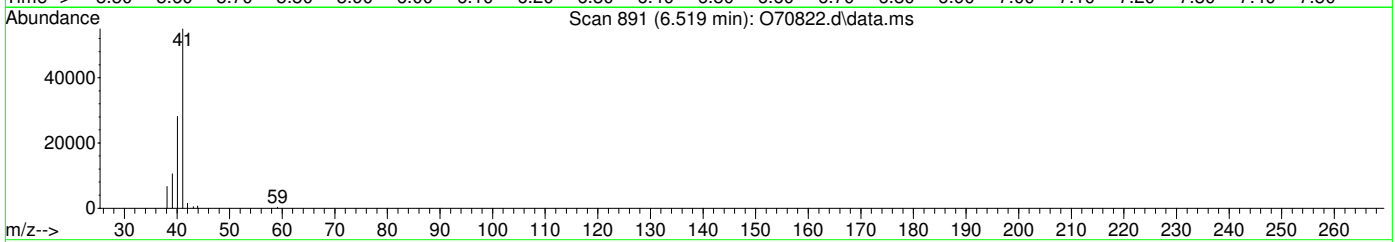
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	51.65
39.00	20.00	18.87
0.00	0.00	0.00

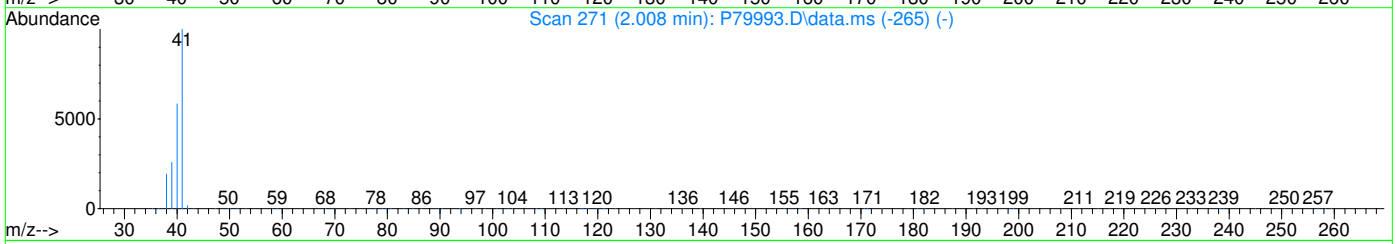
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:32:51 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70822.d\data.ms

(25) Acetonitrile

6.519min (+0.006) 207.57ug/L m

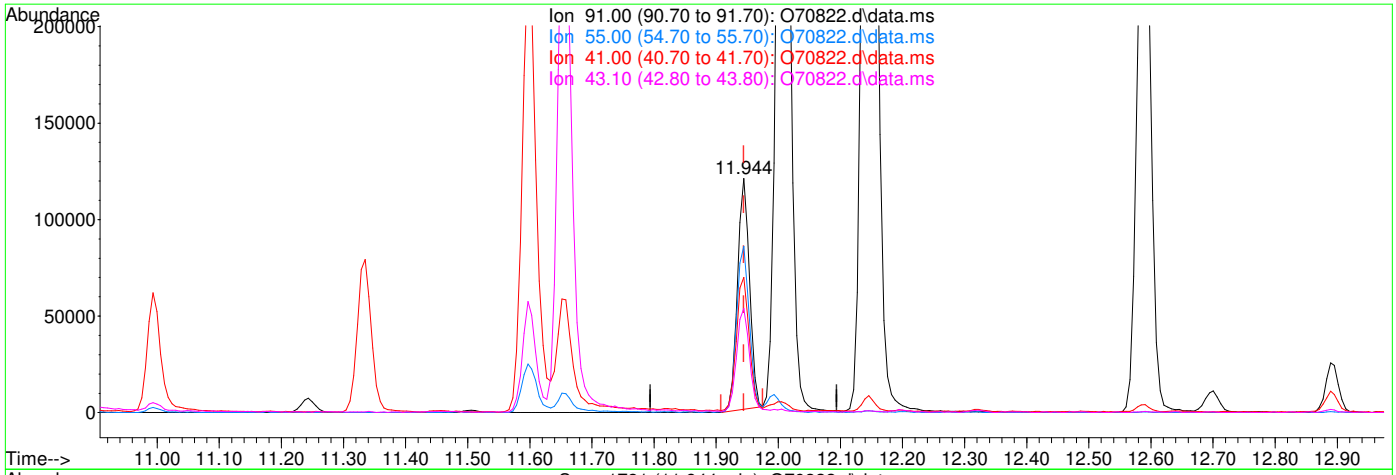
response 153508

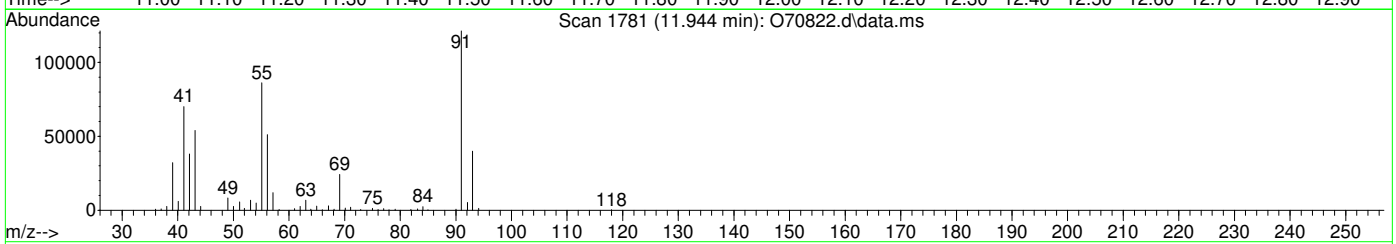
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	51.24
39.00	20.00	19.20
0.00	0.00	0.00

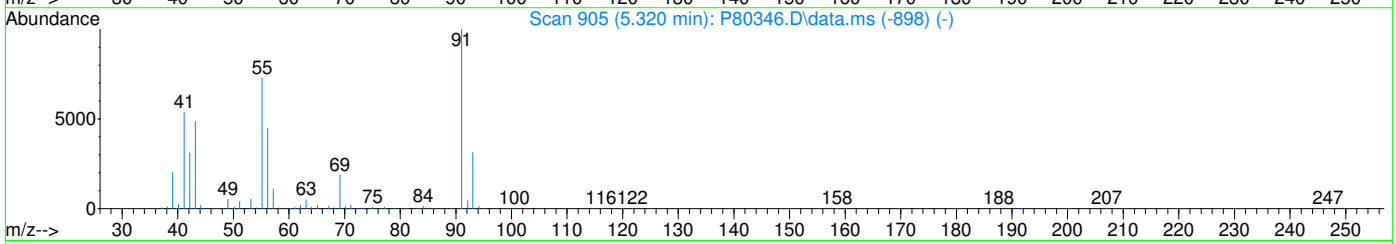
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:32:51 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70822.d\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 22.27ug/L

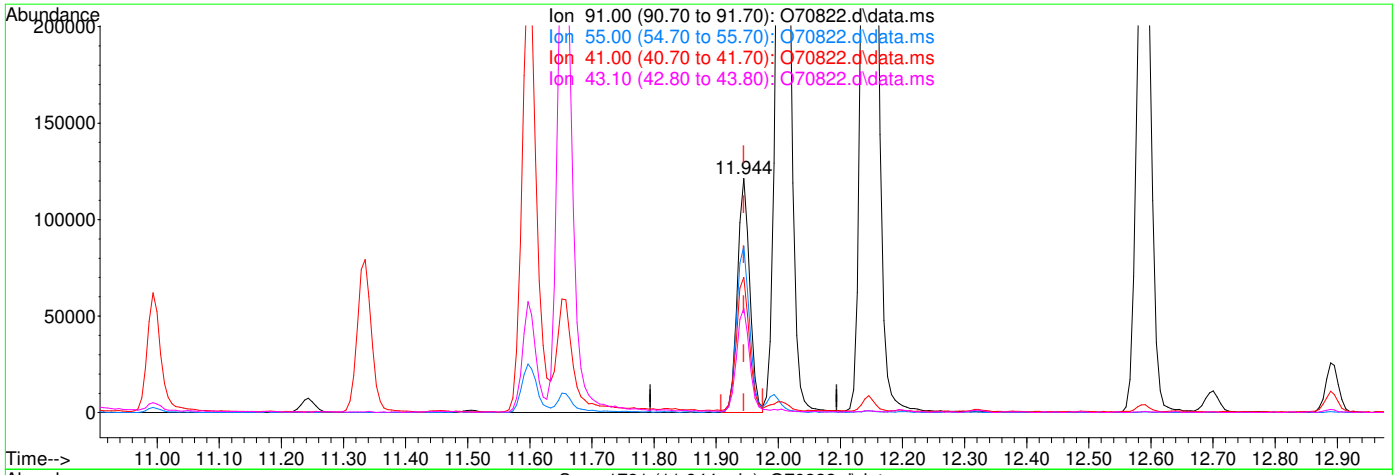
response 161378

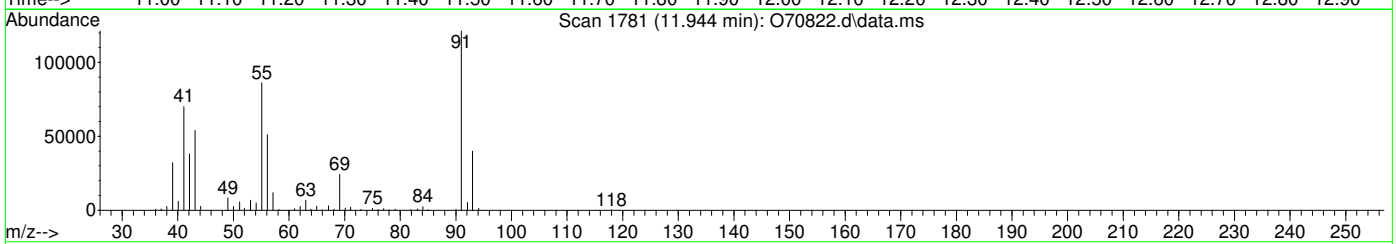
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.79
41.00	54.70	56.79
43.10	44.50	43.98

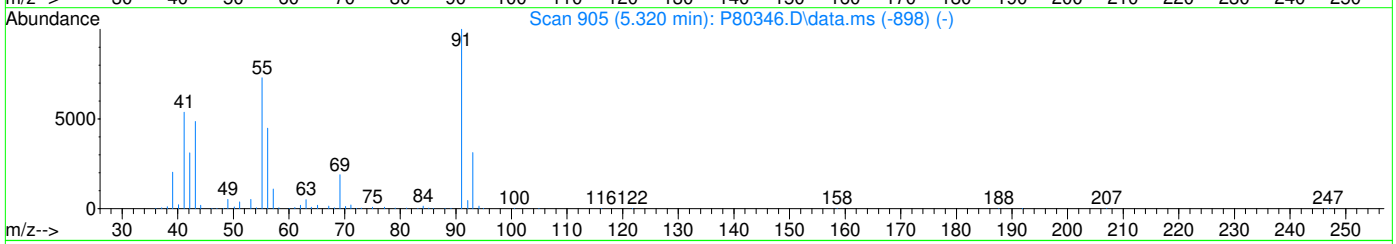
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70822.d
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98452-2MSD
Misc : MS52309,VO2808,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 01:32:51 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70822.d\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 23.15ug/L m

response 167782

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	71.07
41.00	54.70	57.72
43.10	44.50	44.51

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 16:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:54:58 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1199627	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	880369	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	414445	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.265	113	250344	49.10	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.20%		
49) 1,2-Dichloroethane-d4	3.553	65	352773	49.81	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	99.62%		
63) Toluene-d8	4.651	98	1171481	48.36	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	96.72%		
86) 4-Bromofluorobenzene	6.496	174	317539	49.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.24%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.122	85	119983	36.23	ug/L	100
3) Chloromethane	1.253	50	123490	33.75	ug/L	95
4) 1,3-butadiene	1.321	39	102889	30.26	ug/L	97
5) Vinyl Chloride	1.305	62	337205	75.62	ug/L	99
6) Bromomethane	1.509	94	61622	22.33	ug/L	98
7) Chloroethane	1.582	64	42800	29.36	ug/L	97
8) Trichlorofluoromethane	1.671	101	163632	35.27	ug/L	100
9) Ethyl Ether	1.880	59	100570	24.10	ug/L	96
10) Ethanol	1.969	45	68561	551.55	ug/L	99
11) 1,2-Dichlorotrifluoroe...	1.979	67	119263	30.55	ug/L	99
12) 1,1-Dichloroethene	1.985	61	154926	27.17	ug/L	99
13) Freon 113	2.016	101	94483	26.63	ug/L	98
14) Carbon Disulfide	2.000	76	182313	20.10	ug/L	92
15) Iodomethane	2.063	142	40238	17.54	ug/L	98
16) Acrolein	2.157	56	152736	100.06	ug/L	99
17) Allyl chloride	2.246	41	123967	30.22	ug/L	92
18) Methylene Chloride	2.303	49	134223	21.50	ug/L	99
19) Acetone	2.319	43	383310	139.07	ug/L	98
20) Methyl acetate	2.398	43	716767	128.41	ug/L	96
21) trans-1,2-Dichloroethene	2.403	61	151007	26.14	ug/L	98
22) Hexane	2.471	56	82737	29.54	ug/L	97
23) Methyl Tert Butyl Ether	2.471	73	381943	29.01	ug/L	95
24) Tert Butyl Alcohol	2.507	59	509981	313.18	ug/L	97
25) Acetonitrile	2.554	41	220197	238.39	ug/L	96
26) Di-isopropyl ether	2.685	45	336329	27.51	ug/L	95
27) Chloroprene	2.727	53	608054	34.92	ug/L	93
28) 1,1-Dichloroethane	2.732	63	212117	27.92	ug/L	99
29) Acrylonitrile	2.727	52	406552	147.66	ug/L	82
30) ETBE	2.884	59	340181	23.75	ug/L	99
31) Vinyl acetate	2.863	43	1236731	125.54	ug/L	99
32) cis-1,2-Dichloroethene	3.025	96	117817	26.00	ug/L	97
33) 2,2-Dichloropropane	3.088	77	116522	20.39	ug/L	98
34) Bromochloromethane	3.129	128	49606	24.22	ug/L	97
35) Cyclohexane	3.166	56	204514	29.04	ug/L	96
36) Chloroform	3.166	83	194694	25.54	ug/L	98
37) Ethyl acetate	3.229	43	950436	127.55	ug/L	99
38) Tetrahydrofuran	3.260	42	76543	26.90	ug/L	97
40) Carbon Tetrachloride	3.271	117	112407m	24.48	ug/L	
41) 1,1,1-Trichloroethane	3.297	97	166846	25.79	ug/L	97
42) 2-Butanone	3.318	43	646550	139.16	ug/L	98
43) 1,1-Dichloropropene	3.365	75	149357	26.11	ug/L	99
44) tert-Butyl formate	3.401	59	6991	2.48	ug/L #	48

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:54:58 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.459	54	390178	266.06	ug/L		98
46) Methacrylonitrile	3.485	41	1077397	275.02	ug/L		99
47) Benzene	3.495	78	475526	26.04	ug/L		91
48) TAME	3.569	73	417341	32.05	ug/L		95
50) Isobutyl alcohol	3.584	43	430552m	573.89	ug/L		
51) 1,2-Dichloroethane	3.590	62	162442	24.85	ug/L		98
52) Tert Amyl Alcohol	3.647	59	307250	225.02	ug/L		90
53) Trichloroethene	3.825	95	113656	24.18	ug/L		95
54) Methylcyclohexane	3.846	83	175790	28.49	ug/L		96
55) Dibromomethane	4.050	93	61548	23.84	ug/L		97
56) 1,2-Dichloropropane	4.107	63	111761	25.20	ug/L		96
57) Bromodichloromethane	4.149	83	112795	24.12	ug/L		98
58) Methyl methacrylate	4.238	41	122981	25.11	ug/L		97
59) 1,4-Dioxane	4.259	88	71541	513.23	ug/L		97
61) cis-1,3-Dichloropropene	4.520	75	135182	22.33	ug/L		93
64) Toluene	4.682	91	876617	42.18	ug/L		99
65) 2-Nitropropane	4.776	41	154087	100.30	ug/L		95
66) 4-Methyl-2-pentanone	4.891	43	1036048	129.21	ug/L		99
67) trans-1,3-Dichloropropene	4.917	75	138161	23.57	ug/L		81
68) Tetrachloroethene	4.938	166	104039	23.57	ug/L		98
69) Ethyl methacrylate	5.032	69	167139	23.13	ug/L		98
70) 1,1,2-Trichloroethane	5.022	83	85346	24.00	ug/L		99
71) Dibromochloromethane	5.142	129	77849	21.88	ug/L		100
72) 1,3-Dichloropropane	5.195	76	175308	22.18	ug/L		97
73) 1,2-Dibromoethane	5.294	107	100973	23.50	ug/L		90
74) 3,3-dimethyl-1-butanol	5.419	57	2166445	1213.47	ug/L		97
75) 2-hexanone	5.430	43	1183542	131.47	ug/L		87
76) 1-Chlorohexane	5.649	91	162580m	24.53	ug/L		
77) Ethylbenzene	5.686	91	966903	42.42	ug/L		99
78) Chlorobenzene	5.655	112	297994	23.94	ug/L		98
79) 1,1,1,2-Tetrachloroethane	5.696	131	88942	23.21	ug/L		97
80) m,p-Xylene	5.785	91	1816399	100.76	ug/L		99
81) o-Xylene	6.078	91	878139	49.49	ug/L		98
82) Styrene	6.109	104	312840	23.05	ug/L		99
83) Bromoform	6.120	173	40109	21.19	ug/L		98
84) Isopropylbenzene	6.308	105	521632	25.48	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.528	53	41867	18.74	ug/L		89
88) n-Propylbenzene	6.611	91	622812	24.49	ug/L		98
89) Bromobenzene	6.569	156	114594	22.29	ug/L		97
90) 1,1,2,2-Tetrachloroethane	6.632	83	160612	23.41	ug/L		99
91) 1,3,5-Trimethylbenzene	6.758	105	441292	24.93	ug/L		99
92) 2-Chlorotoluene	6.716	91	364550	23.76	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.758	53	51044	17.36	ug/L		82
94) 1,2,3-Trichloropropane	6.726	110	56076	21.92	ug/L		94
95) Cyclohexanone	6.742	55	63588	118.70	ug/L		96
96) 4-Chlorotoluene	6.836	91	370428	22.90	ug/L		99
97) tert-Butylbenzene	6.993	91	224554	23.10	ug/L		99
99) 1,2,4-Trimethylbenzene	7.045	105	580860	33.64	ug/L		99
100) Pentachloroethane	6.998	167	50195	23.94	ug/L		93
101) sec-Butylbenzene	7.134	105	461833	24.53	ug/L		100
102) 4-Isopropyltoluene	7.244	119	406488	24.76	ug/L		99
103) 1,3-Dichlorobenzene	7.280	146	213915	23.16	ug/L		98
104) 1,2,3-Trimethylbenzene	7.375	105	534601	30.86	ug/L		100
105) 1,4-Dichlorobenzene	7.343	146	215564	22.34	ug/L		99
106) n-Butylbenzene	7.563	92	169954	21.25	ug/L		96
107) Benzyl Chloride	7.521	126	17525	10.01	ug/L	#	79
108) 1,2-Dichlorobenzene	7.652	146	194866	22.48	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	8.206	75	31016	20.46	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:54:58 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

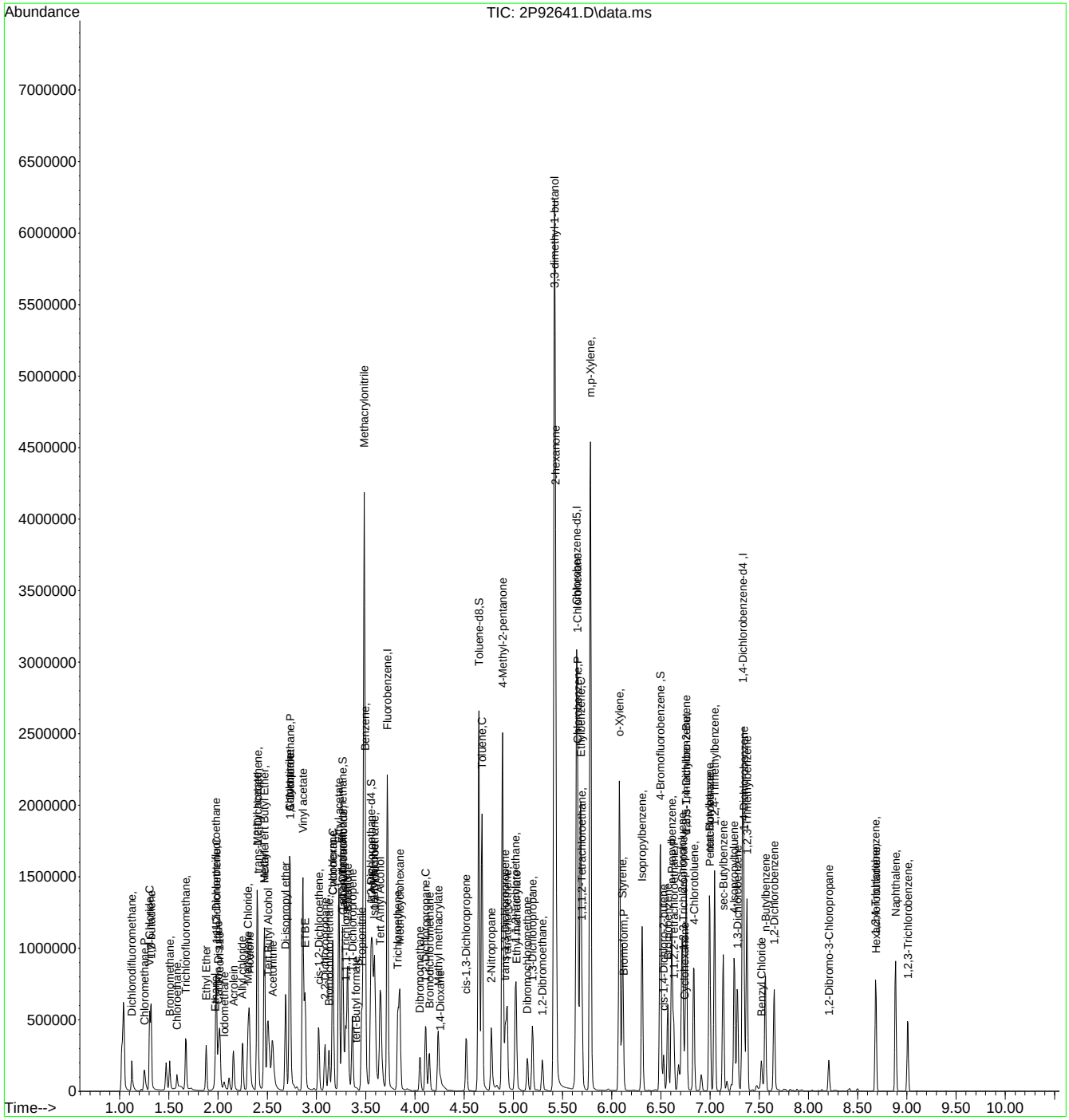
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) Hexachlorobutadiene	8.687	225	30910	20.18	ug/L	95
111) 1,2,4-Trichlorobenzene	8.682	180	94368	20.46	ug/L	97
112) Naphthalene	8.885	128	422468	22.37	ug/L	100
113) 1,2,3-Trichlorobenzene	9.011	180	90161	20.83	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:54:58 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

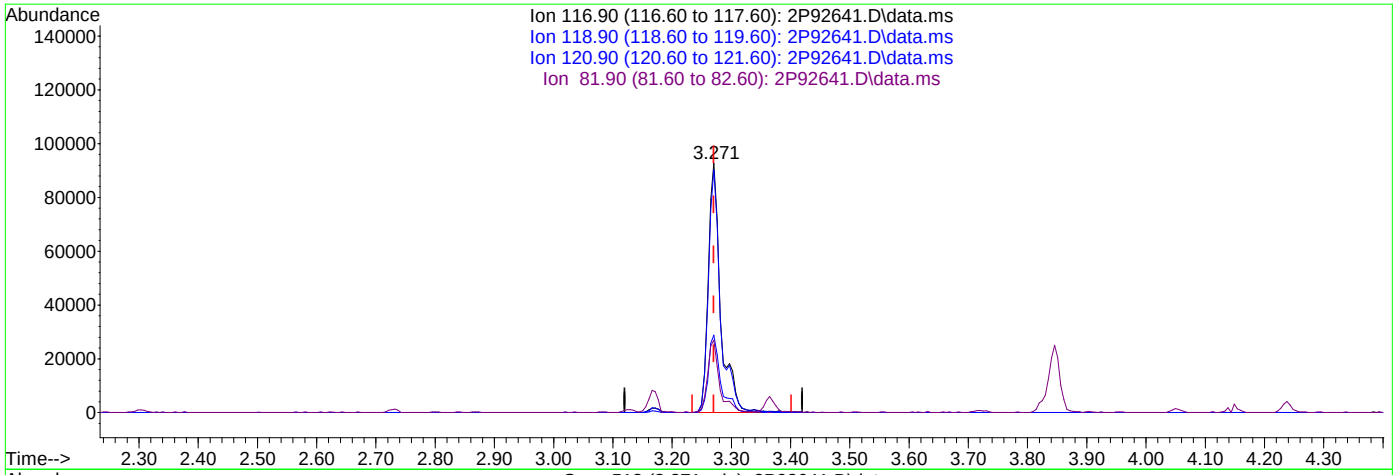
Sample Number: FA98474-2MS
Lab FileID: 2P92641.D
Injection Time: 09/01/22 23:46
Method: SW846 8260D
Analyst approved: 09/02/22 03:14 Antonette Clutario
Supervisor approved: 09/07/22 16:11 Karen Watson

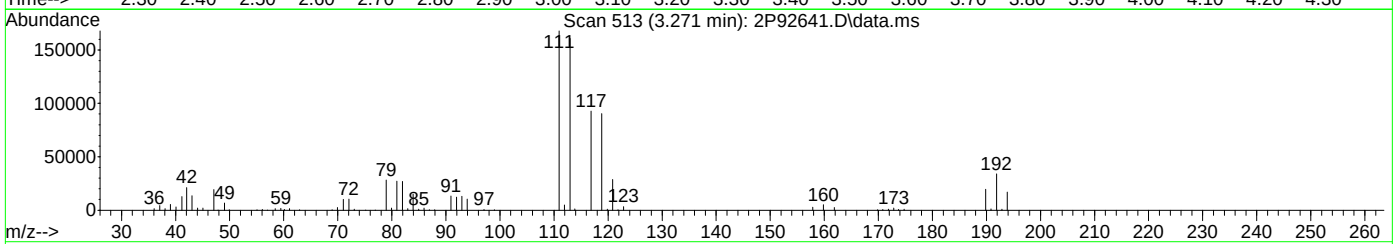
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

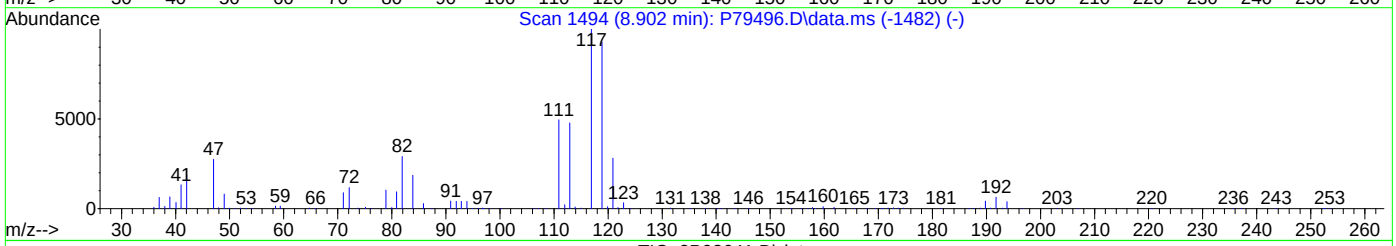
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:25:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92641.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (+0.001) 28.99ug/L

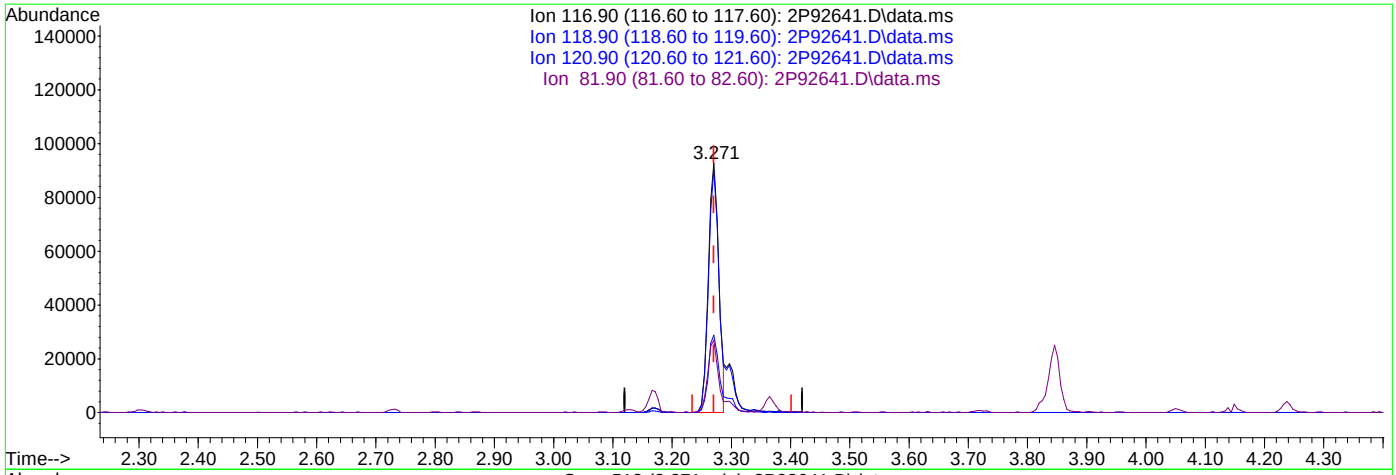
response 135164

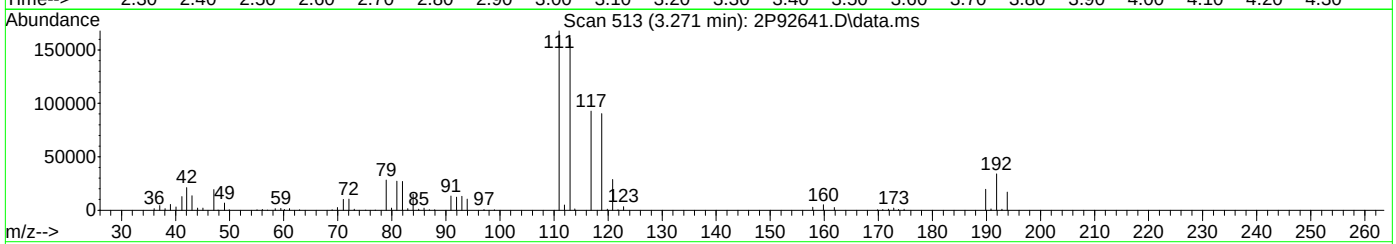
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	97.23
120.90	29.50	31.02
81.90	28.30	29.05

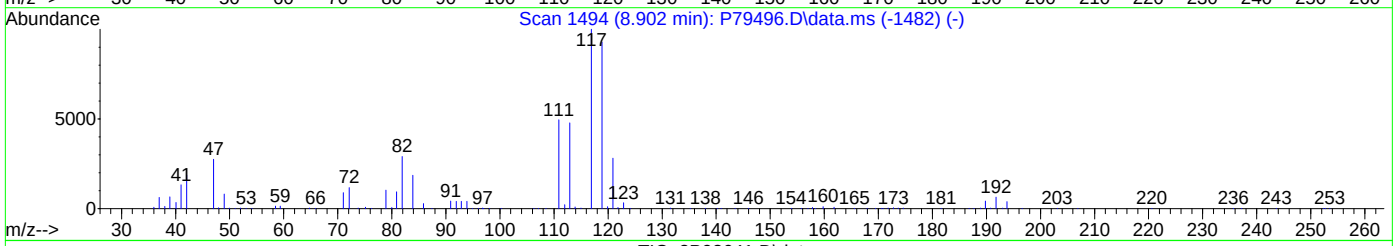
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:25:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92641.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (+0.001) 24.48ug/L m

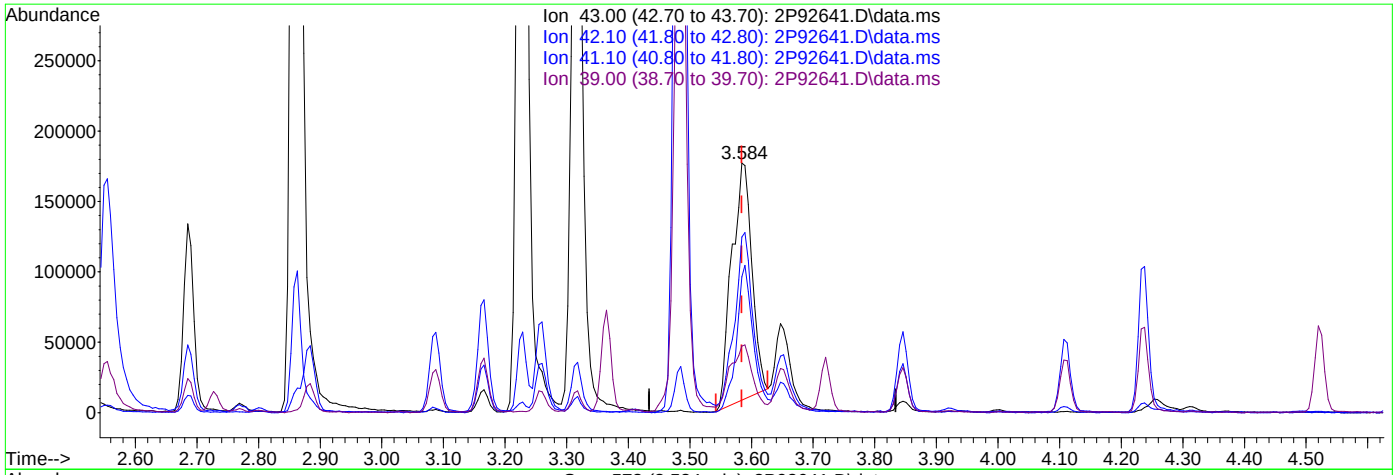
response 112407

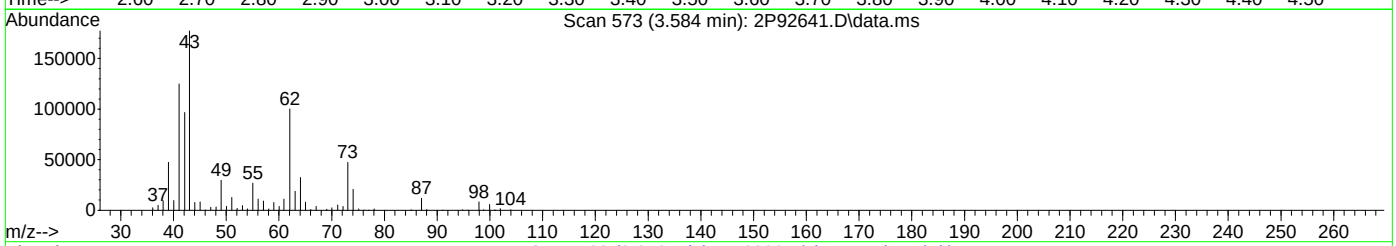
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	97.23
120.90	29.50	31.02
81.90	28.30	29.05

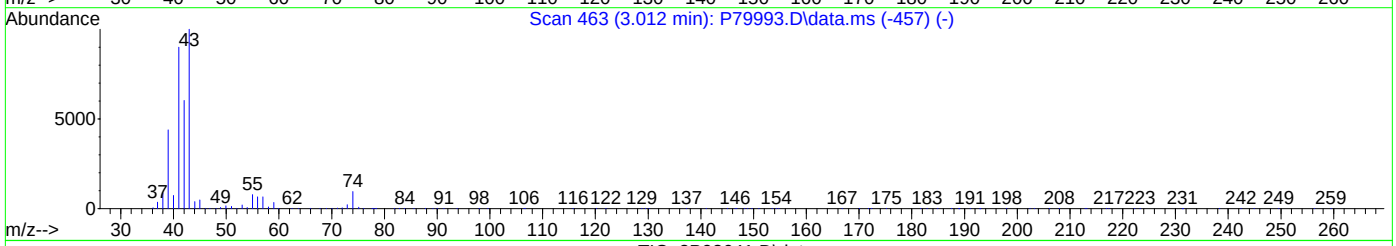
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:25:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92641.D\data.ms

(50) Isobutyl alcohol

3.584min (+0.000) 514.69ug/L

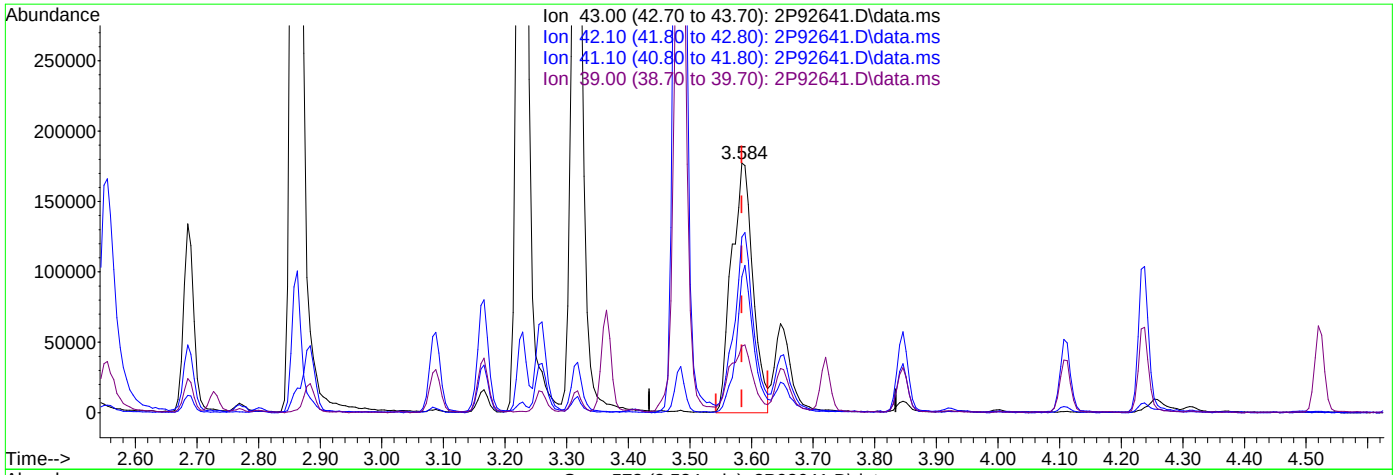
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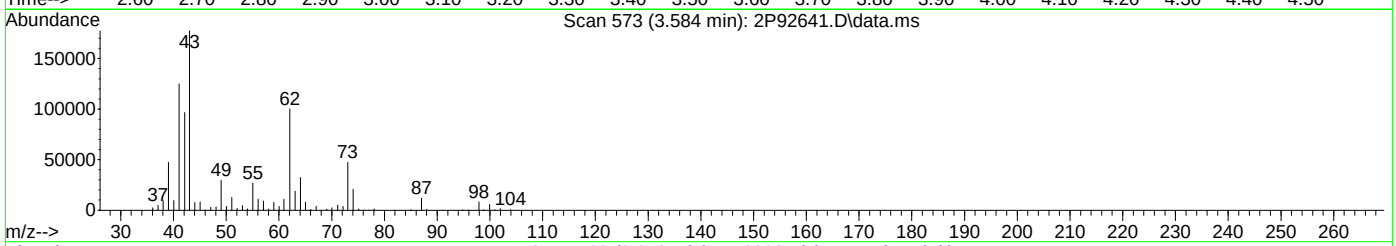
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	54.32
41.10	70.00	67.70
39.00	27.50	24.62

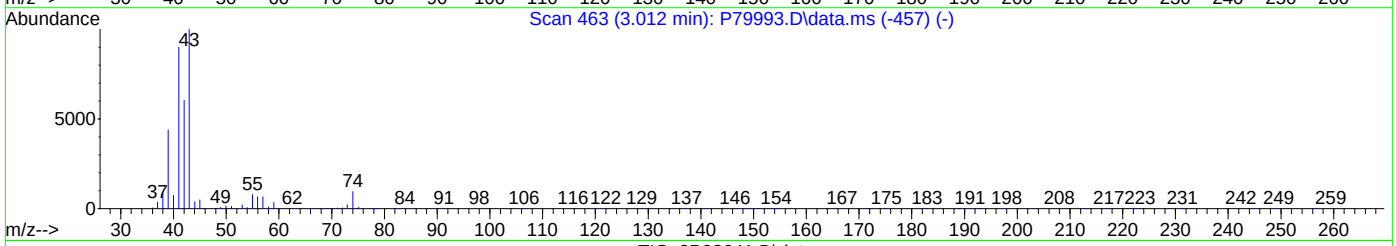
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:25:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92641.D\data.ms

(50) Isobutyl alcohol

3.584min (+0.000) 573.89ug/L m

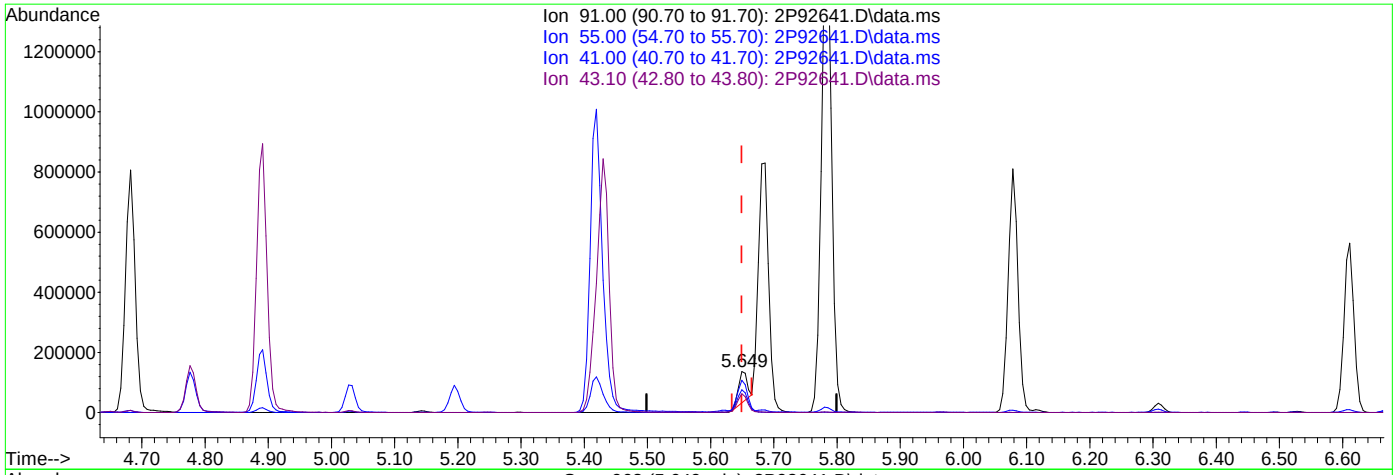
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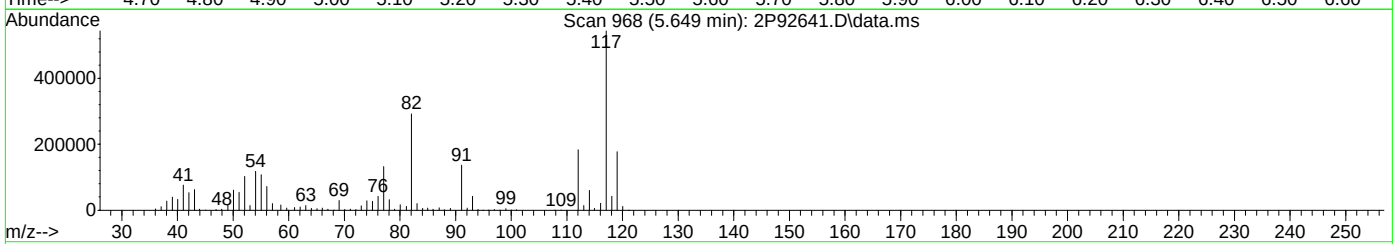
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	54.39
41.10	70.00	70.35
39.00	27.50	26.67

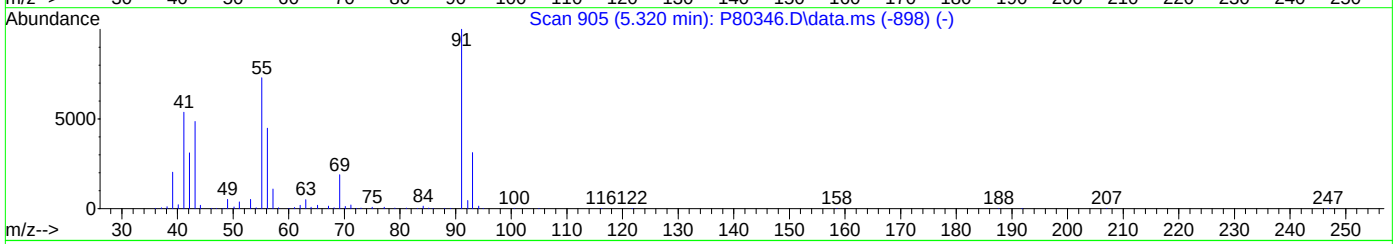
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:25:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92641.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 15.58ug/L

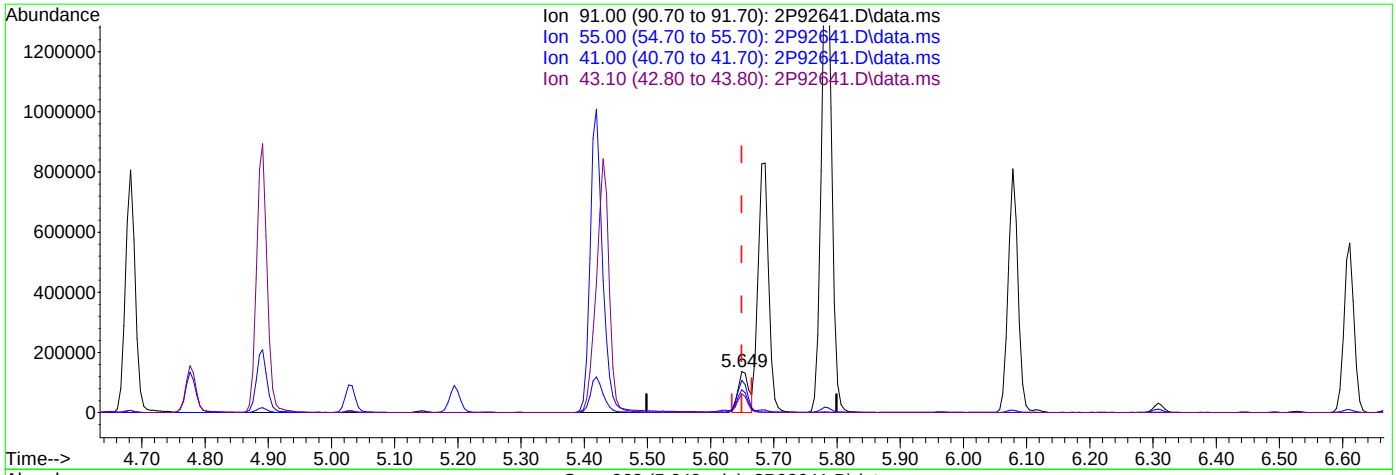
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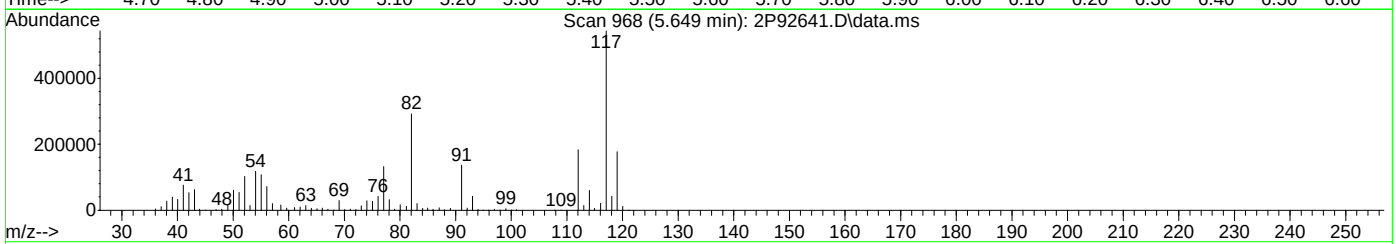
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	74.94
41.00	53.40	51.27
43.10	41.30	44.16

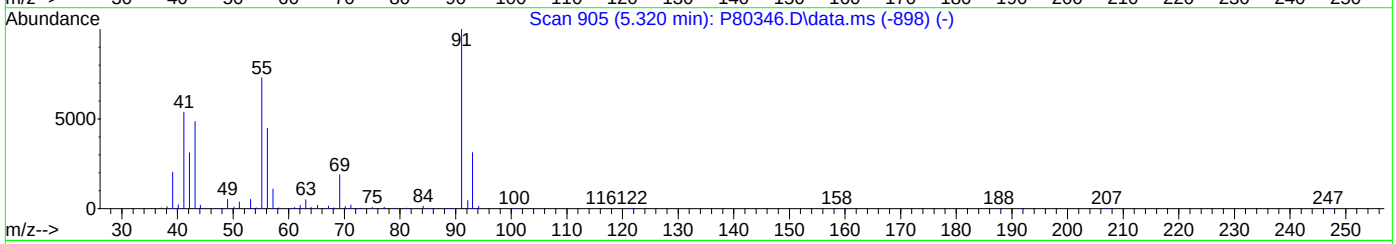
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92641.D
Acq On : 1 Sep 2022 11:46 pm
Operator : courtnef
Sample : FA98474-2MS
Misc : MS52312,V2P3567,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 02 02:25:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92641.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 24.53ug/L m

response 162580

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	78.94
41.00	53.40	55.67
43.10	41.30	45.82

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 16:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
Operator : courtnef
Sample : FA98474-2MSD
Misc : MS52312,V2P3567,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 02 02:58:22 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.721	96	1224684	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.645	117	896637	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	416589	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.266	113	259609	49.88	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.76%		
49) 1,2-Dichloroethane-d4	3.553	65	356034	49.25	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	98.50%		
63) Toluene-d8	4.651	98	1194821	48.43	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	96.86%		
86) 4-Bromofluorobenzene	6.497	174	318893	49.08	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.16%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.122	85	120726	35.71	ug/L	100
3) Chloromethane	1.248	50	123856	33.16	ug/L	96
4) 1,3-butadiene	1.316	39	116537	33.57	ug/L	96
5) Vinyl Chloride	1.300	62	391840	86.07	ug/L	99
6) Bromomethane	1.509	94	64494	22.89	ug/L	99
7) Chloroethane	1.582	64	42751	28.70	ug/L	96
8) Trichlorofluoromethane	1.671	101	163181	34.18	ug/L	98
9) Ethyl Ether	1.880	59	104654	24.56	ug/L	97
10) Ethanol	1.964	45	70706	557.66	ug/L	95
11) 1,2-Dichlorotrifluoroe...	1.974	67	128250	32.18	ug/L	97
12) 1,1-Dichloroethene	1.980	61	164412	28.24	ug/L	94
13) Freon 113	2.016	101	98379	27.13	ug/L	95
14) Carbon Disulfide	2.001	76	201405	21.61	ug/L	96
15) Iodomethane	2.058	142	59882	24.75	ug/L	95
16) Acrolein	2.152	56	162467	104.26	ug/L	99
17) Allyl chloride	2.246	41	128287	30.64	ug/L	94
18) Methylene Chloride	2.304	49	142248	22.36	ug/L	99
19) Acetone	2.314	43	388198	137.94	ug/L	100
20) Methyl acetate	2.398	43	751424	131.87	ug/L	99
21) trans-1,2-Dichloroethene	2.403	61	160080	27.14	ug/L	99
22) Hexane	2.471	56	86073	30.05	ug/L	95
23) Methyl Tert Butyl Ether	2.471	73	404103	30.06	ug/L	93
24) Tert Butyl Alcohol	2.508	59	550071	330.89	ug/L	97
25) Acetonitrile	2.550	41	241282	255.87	ug/L	99
26) Di-isopropyl ether	2.685	45	353100	28.29	ug/L	97
27) Chloroprene	2.727	53	651501	36.65	ug/L	92
28) 1,1-Dichloroethane	2.727	63	224116	28.90	ug/L	98
29) Acrylonitrile	2.727	52	428651	152.50	ug/L	79
30) ETBE	2.884	59	360969	24.69	ug/L	99
31) Vinyl acetate	2.858	43	1297819	129.04	ug/L	98
32) cis-1,2-Dichloroethene	3.020	96	124467	26.91	ug/L	93
33) 2,2-Dichloropropane	3.088	77	123674	21.14	ug/L	98
34) Bromochloromethane	3.130	128	51400	24.58	ug/L	91
35) Cyclohexane	3.166	56	216526	30.04	ug/L	99
36) Chloroform	3.166	83	206548	26.54	ug/L	98
37) Ethyl acetate	3.224	43	993908	130.66	ug/L	99
38) Tetrahydrofuran	3.255	42	84929	29.24	ug/L	98
40) Carbon Tetrachloride	3.271	117	121574m	25.82	ug/L	
41) 1,1,1-Trichloroethane	3.297	97	176180	26.63	ug/L	97
42) 2-Butanone	3.313	43	658670	138.87	ug/L	96
43) 1,1-Dichloropropene	3.365	75	156839	26.86	ug/L	98
44) tert-Butyl formate	3.396	59	6812	2.36	ug/L #	38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
Operator : courtnef
Sample : FA98474-2MSD
Misc : MS52312,V2P3567,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 02 02:58:22 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.459	54	404743	270.34	ug/L		98
46) Methacrylonitrile	3.485	41	1114124	278.58	ug/L		99
47) Benzene	3.496	78	500794	26.87	ug/L		86
48) TAME	3.569	73	442267	33.27	ug/L		96
50) Isobutyl alcohol	3.590	43	451587m	589.61	ug/L		
51) 1,2-Dichloroethane	3.590	62	168283	25.22	ug/L		98
52) Tert Amyl Alcohol	3.647	59	333524	239.01	ug/L		92
53) Trichloroethene	3.825	95	119207	24.85	ug/L		98
54) Methylcyclohexane	3.846	83	190907	30.14	ug/L		99
55) Dibromomethane	4.050	93	62699	23.79	ug/L		95
56) 1,2-Dichloropropane	4.107	63	114304	25.24	ug/L		98
57) Bromodichloromethane	4.144	83	120891	25.22	ug/L		98
58) Methyl methacrylate	4.233	41	130029	25.95	ug/L		90
59) 1,4-Dioxane	4.259	88	76806	539.73	ug/L		97
61) cis-1,3-Dichloropropene	4.521	75	144073	23.24	ug/L		93
64) Toluene	4.683	91	954329	45.08	ug/L		100
65) 2-Nitropropane	4.777	41	166703	105.87	ug/L		96
66) 4-Methyl-2-pentanone	4.892	43	1049514	128.52	ug/L		99
67) trans-1,3-Dichloropropene	4.918	75	146605	24.49	ug/L		81
68) Tetrachloroethene	4.939	166	113264	25.19	ug/L		97
69) Ethyl methacrylate	5.033	69	174236	23.64	ug/L		97
70) 1,1,2-Trichloroethane	5.022	83	89592	24.74	ug/L		98
71) Dibromochloromethane	5.143	129	81270	22.39	ug/L		100
72) 1,3-Dichloropropane	5.195	76	185021	22.98	ug/L		98
73) 1,2-Dibromoethane	5.294	107	104953	23.98	ug/L		95
74) 3,3-dimethyl-1-butanol	5.420	57	2351571	1292.87	ug/L		98
75) 2-hexanone	5.430	43	1225176	133.62	ug/L		87
76) 1-Chlorohexane	5.650	91	178660m	26.46	ug/L		
77) Ethylbenzene	5.681	91	1037181	44.68	ug/L		98
78) Chlorobenzene	5.655	112	317294	25.03	ug/L		98
79) 1,1,1,2-Tetrachloroethane	5.697	131	96513	24.64	ug/L		97
80) m,p-Xylene	5.786	91	1945039	105.94	ug/L		100
81) o-Xylene	6.078	91	926825	51.29	ug/L		99
82) Styrene	6.110	104	331377	23.97	ug/L		99
83) Bromoform	6.120	173	42005	21.73	ug/L		94
84) Isopropylbenzene	6.308	105	552554	26.50	ug/L		100
87) cis-1,4-Dichloro-2-butene	6.528	53	36687	16.49	ug/L	#	81
88) n-Propylbenzene	6.612	91	660338	25.83	ug/L		99
89) Bromobenzene	6.570	156	120598	23.34	ug/L		96
90) 1,1,2,2-Tetrachloroethane	6.633	83	166828	24.19	ug/L		99
91) 1,3,5-Trimethylbenzene	6.758	105	468382	26.32	ug/L		100
92) 2-Chlorotoluene	6.711	91	385303	24.98	ug/L		97
93) trans-1,4-Dichloro-2-B...	6.758	53	49160	16.64	ug/L		83
94) 1,2,3-Trichloropropane	6.727	110	58195	22.63	ug/L		98
95) Cyclohexanone	6.742	55	68371	126.97	ug/L		98
96) 4-Chlorotoluene	6.837	91	394902	24.29	ug/L		99
97) tert-Butylbenzene	6.993	91	239845	24.54	ug/L		97
99) 1,2,4-Trimethylbenzene	7.046	105	624444	35.97	ug/L		99
100) Pentachloroethane	6.999	167	52846	24.96	ug/L		98
101) sec-Butylbenzene	7.135	105	486711	25.72	ug/L		99
102) 4-Isopropyltoluene	7.244	119	433770	26.19	ug/L		99
103) 1,3-Dichlorobenzene	7.276	146	227669	24.52	ug/L		98
104) 1,2,3-Trimethylbenzene	7.375	105	557197	32.00	ug/L		98
105) 1,4-Dichlorobenzene	7.344	146	228679	23.57	ug/L		99
106) n-Butylbenzene	7.563	92	184765	22.89	ug/L		95
107) Benzyl Chloride	7.521	126	19055	10.76	ug/L	#	69
108) 1,2-Dichlorobenzene	7.652	146	205513	23.58	ug/L		98
109) 1,2-Dibromo-3-Chloropr...	8.206	75	31799	20.83	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
Operator : courtnef
Sample : FA98474-2MSD
Misc : MS52312,V2P3567,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 02 02:58:22 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

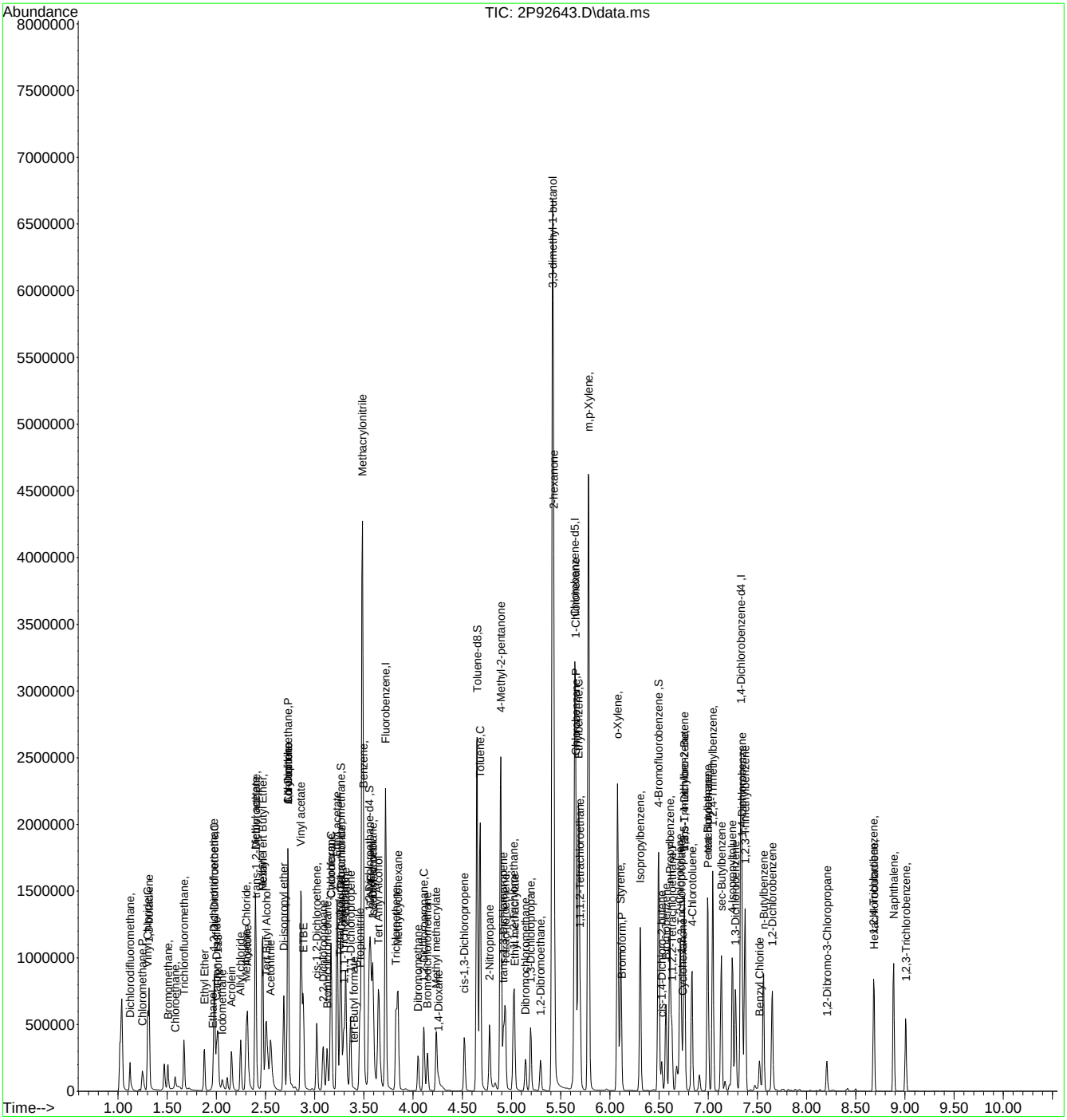
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) Hexachlorobutadiene	8.687	225	33546	21.69	ug/L	97
111) 1,2,4-Trichlorobenzene	8.682	180	105158	22.69	ug/L	98
112) Naphthalene	8.886	128	449430	23.60	ug/L	99
113) 1,2,3-Trichlorobenzene	9.011	180	99085	22.77	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Quant Title : SW-846 Method 5035A/8260B
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V2P_2022-08-24.M Fri Sep 02 03:06:10 2022 Page: 4

Manual Integration Approval Summary

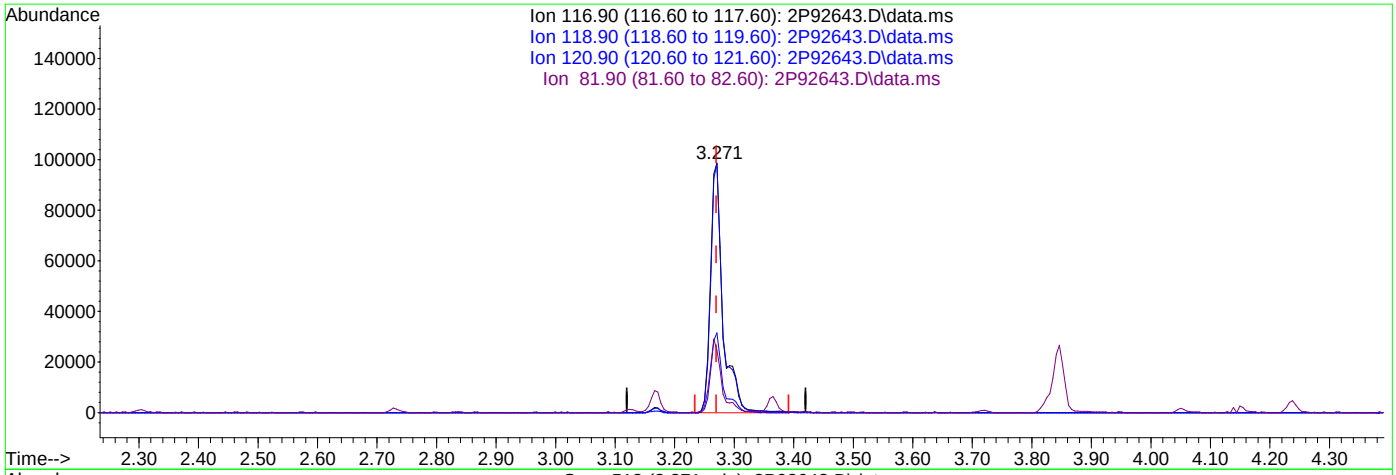
Sample Number: FA98474-2MSD
Lab FileID: 2P92643.D
Injection Time: 09/02/22 00:18
Method: SW846 8260D
Analyst approved: 09/02/22 03:14 Antonette Clutario
Supervisor approved: 09/07/22 16:11 Karen Watson

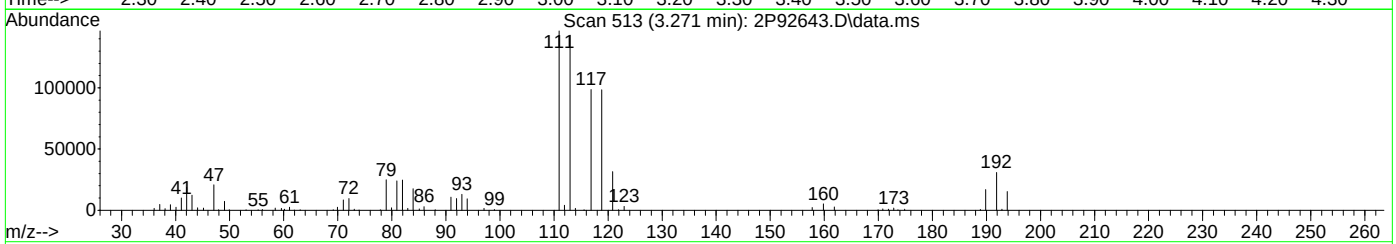
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

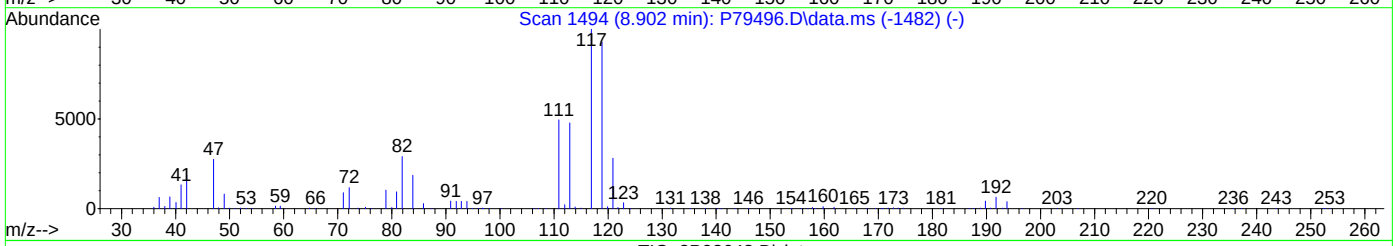
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
Operator : courtnef
Sample : FA98474-2MSD
Misc : MS52312,V2P3567,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 02 02:25:10 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92643.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (+0.001) 30.15ug/L

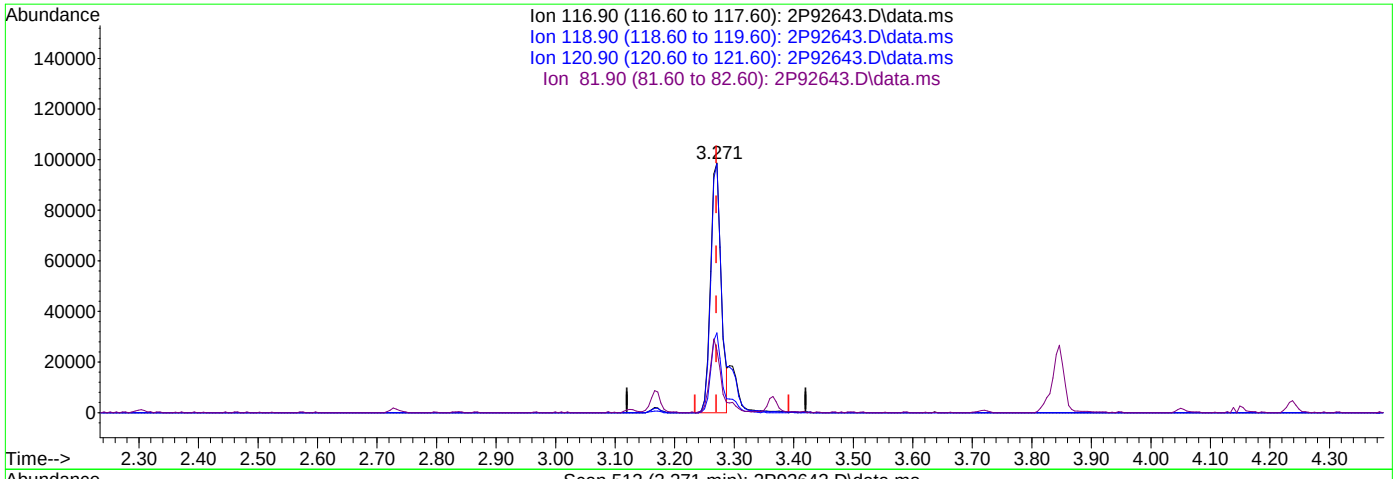
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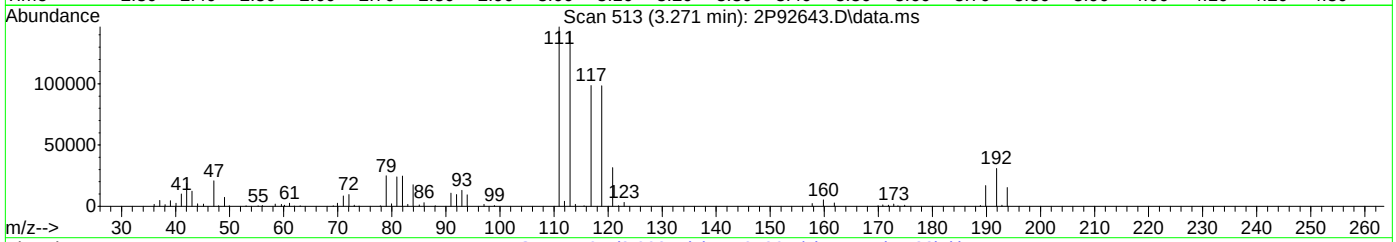
Ion	Exp%	Act%
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118.90	98.00	99.58
120.90	29.50	31.92
81.90	28.30	25.00

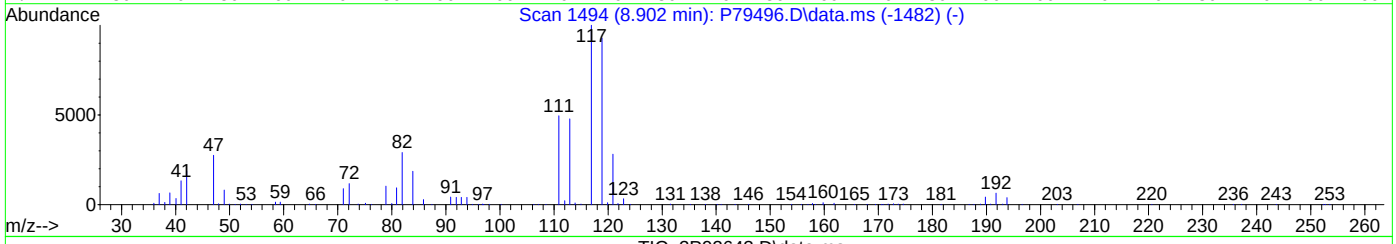
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
Operator : courtnef
Sample : FA98474-2MSD
Misc : MS52312,V2P3567,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 02 02:25:10 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92643.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (+0.001) 25.82ug/L m

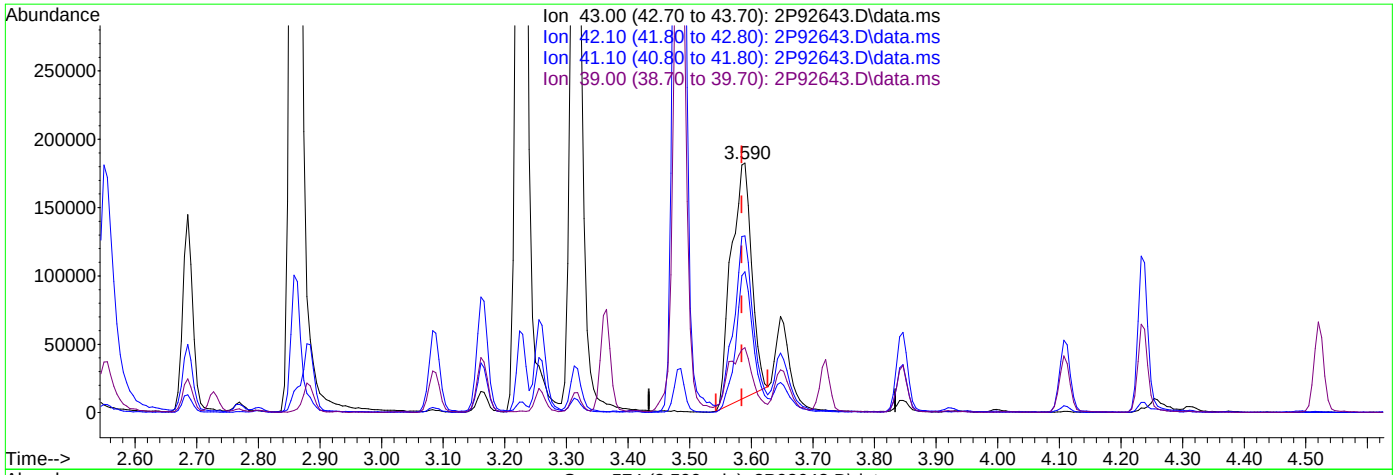
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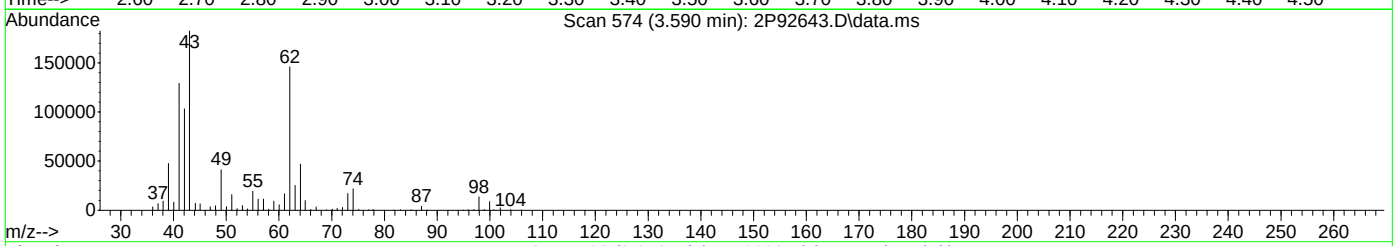
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.58
120.90	29.50	31.92
81.90	28.30	25.00

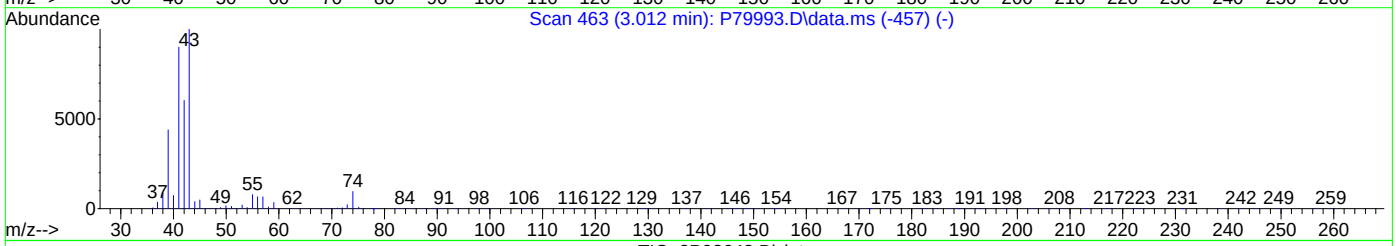
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
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Misc : MS52312,V2P3567,,,,,
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TIC: 2P92643.D\data.ms

(50) Isobutyl alcohol

3.590min (+0.006) 524.86ug/L

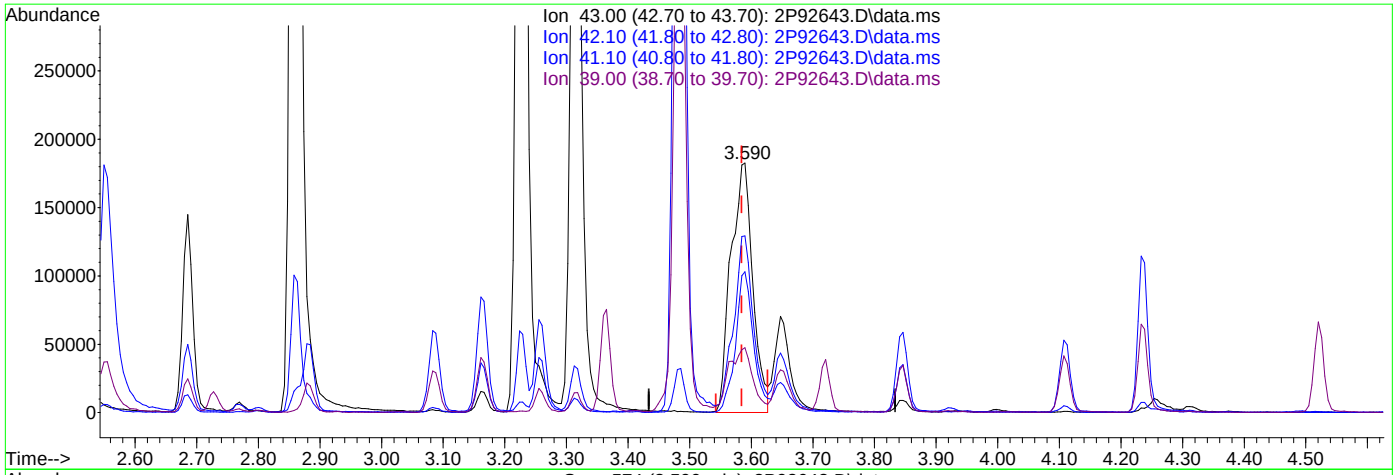
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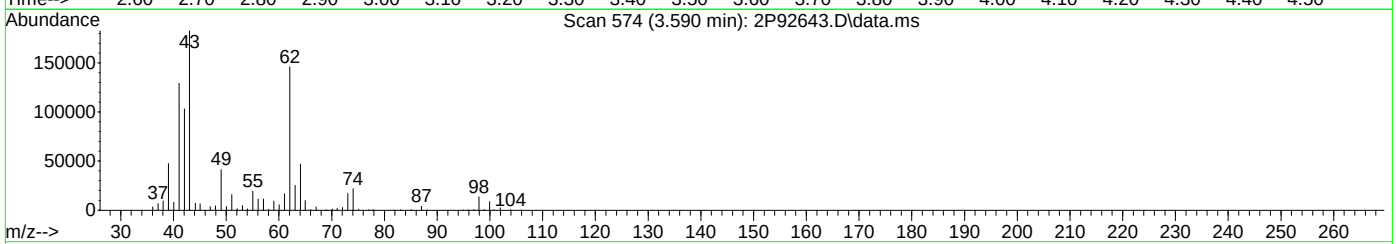
Ion	Exp%	Act%
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42.10	55.40	56.41
41.10	70.00	68.27
39.00	27.50	23.48

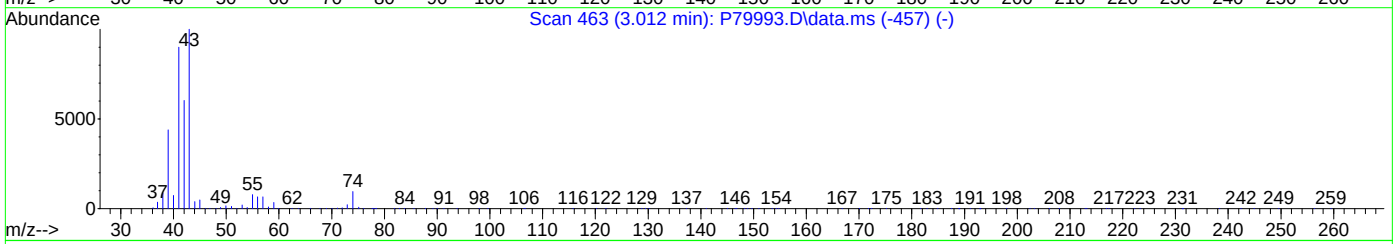
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
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Sample : FA98474-2MSD
Misc : MS52312,V2P3567,,,,,
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92643.D\data.ms

(50) Isobutyl alcohol

3.590min (+0.006) 589.61ug/L m

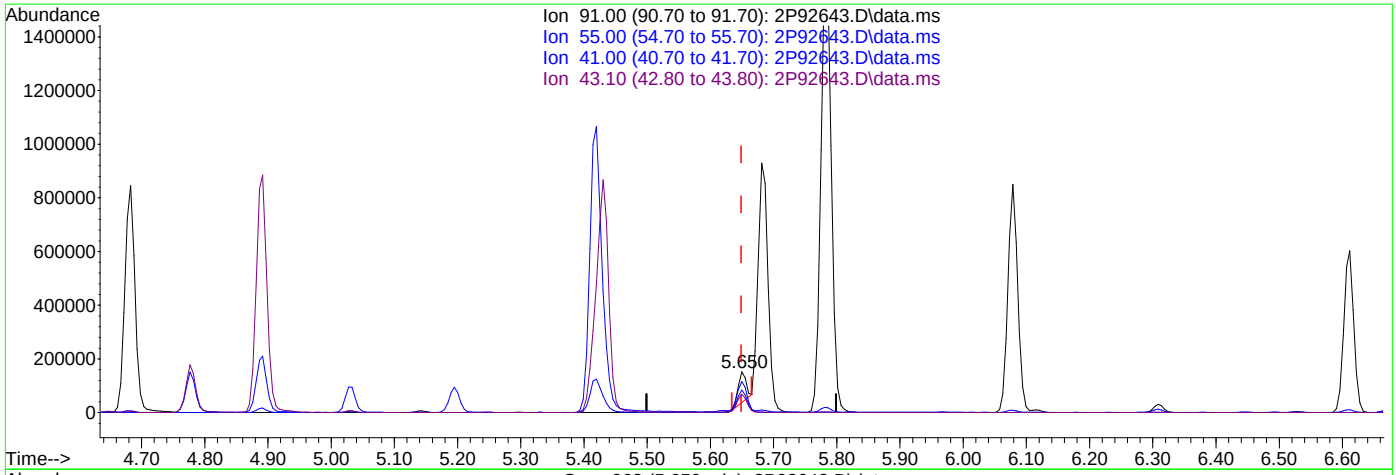
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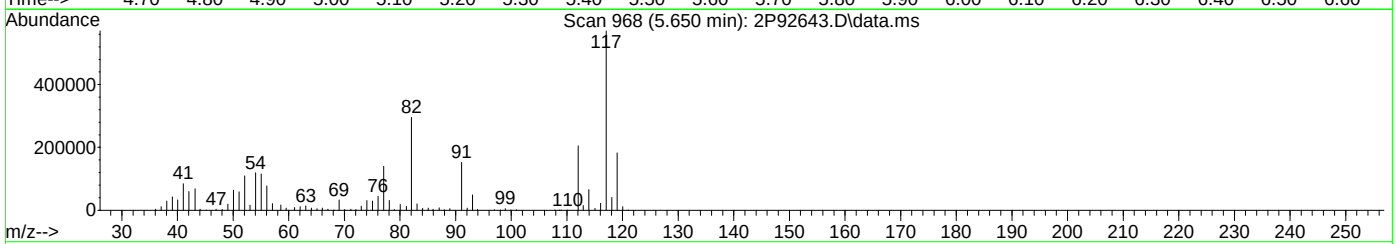
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	56.44
41.10	70.00	70.75
39.00	27.50	25.99

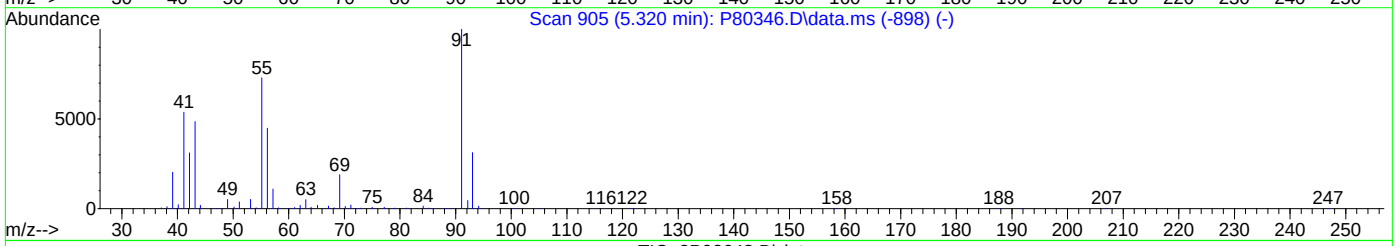
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
Operator : courtnef
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Misc : MS52312,V2P3567,,,,,
ALS Vial : 73 Sample Multiplier: 1

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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92643.D\data.ms

(76) 1-Chlorohexane

5.650min (+0.001) 15.78ug/L

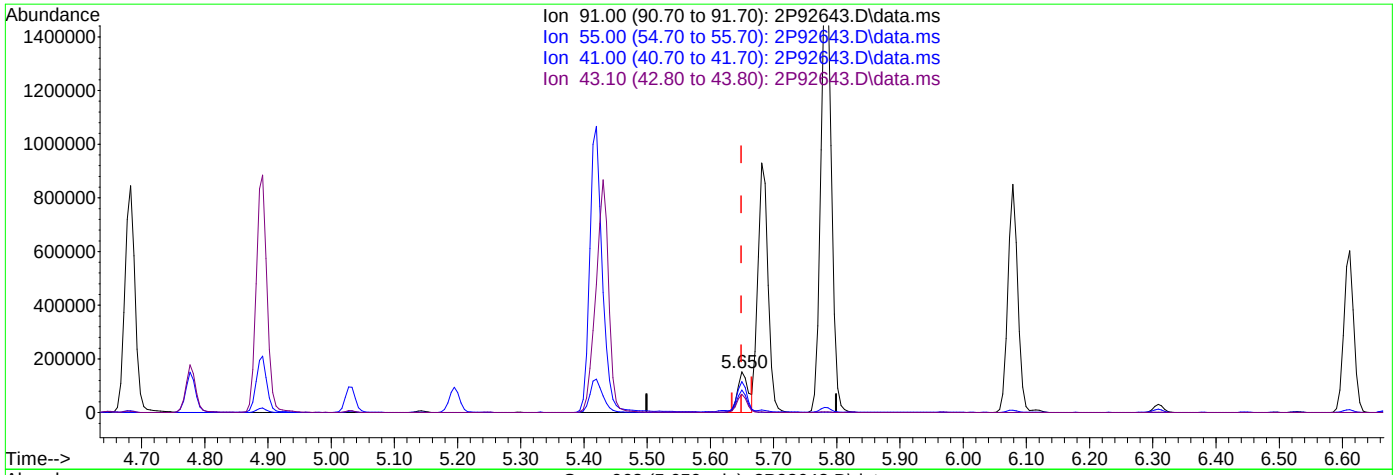
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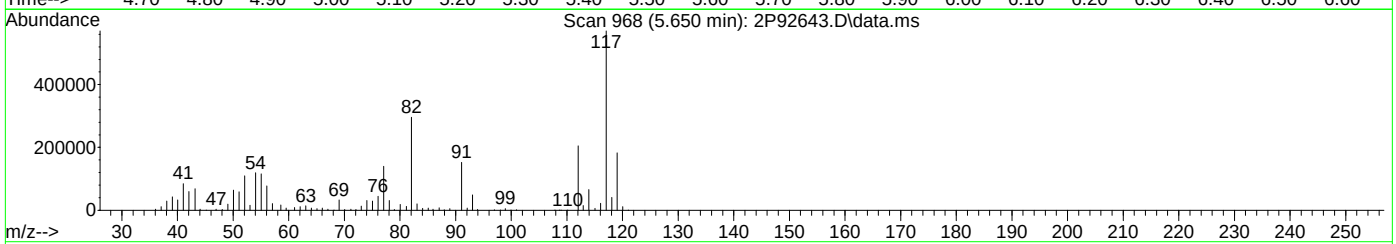
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	71.75
41.00	53.40	51.60
43.10	41.30	42.86

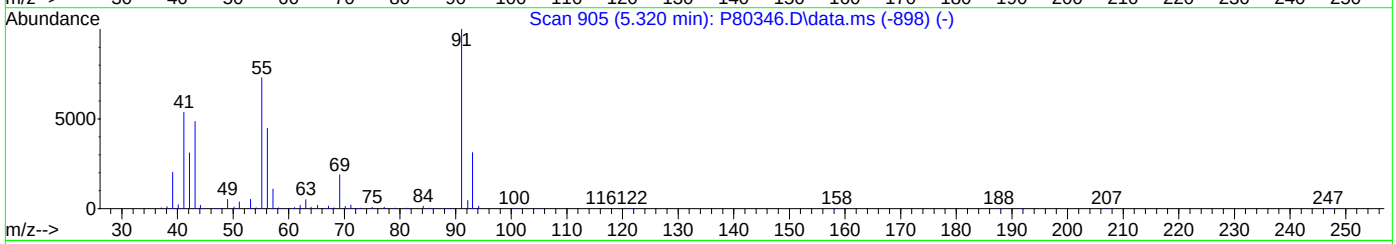
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92643.D
Acq On : 2 Sep 2022 12:18 am
Operator : courtnef
Sample : FA98474-2MSD
Misc : MS52312,V2P3567,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 02 02:25:10 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92643.D\data.ms

(76) 1-Chlorohexane

5.650min (+0.001) 26.46ug/L m

response 178660

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	75.87
41.00	53.40	55.31
43.10	41.30	44.72

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 16:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64479.D
Acq On : 3 Sep 2022 8:44 pm
Operator : adelardl
Sample : FA98458-1MS 20X
Misc : MS52313,VY2672,,,,,20
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 05 02:23:51 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	9.498	96	474564	50.00	ug/L		0.00
62) Chlorobenzene-d5	12.150	117	432605	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	215048	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.603	113	101108	47.55	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.10%				
49) 1,2-Dichloroethane-d4	9.206	65	134937	51.96	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.92%				
63) Toluene-d8	10.933	98	515649	48.19	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.38%				
86) 4-Bromofluorobenzene	13.008	174	143572	43.98	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 87.96%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.848	85	71249	26.45	ug/L		91
3) Acrolein	5.580	56	83947	128.24	ug/L		98
4) Chloromethane	3.177	50	88651	29.99	ug/L		88
5) 1,3-butadiene	3.341	39	92327	34.26	ug/L		98
6) Vinyl Chloride	3.311	62	89293	27.02	ug/L		96
7) Bromomethane	3.828	94	5132	9.06	ug/L		92
8) Chloroethane	4.022	64	46367	41.03	ug/L		97
9) Trichlorofluoromethane	4.241	101	109040	31.29	ug/L		100
10) Ethyl Ether	4.752	59	56504	26.15	ug/L		94
11) Ethanol	5.008	45	37369	627.56	ug/L		91
12) 1,2-Dichlorotrifluoroe...	5.038	67	78268	32.76	ug/L		92
13) 1,1-Dichloroethene	5.044	61	91953	28.42	ug/L		96
14) Freon 113	5.105	101	54708	24.32	ug/L		93
15) Carbon Disulfide	5.099	76	124314	20.21	ug/L		95
16) Iodomethane	5.276	142	3073	6.09	ug/L		88
17) Allyl chloride	5.787	41	96866	31.78	ug/L		97
18) Methylene Chloride	5.957	49	102924	26.72	ug/L		96
19) Acetone	6.042	43	206418	151.04	ug/L		99
20) Methyl acetate	6.231	43	446089	144.50	ug/L		98
21) trans-1,2-Dichloroethene	6.219	61	88825	27.53	ug/L		94
22) Hexane	6.328	56	52249	30.04	ug/L	#	80
23) Methyl Tert Butyl Ether	6.383	73	223974	30.14	ug/L		93
24) Tert Butyl Alcohol	6.535	59	206126	267.22	ug/L		94
25) Acetonitrile	6.784	41	180724	296.53	ug/L		96
26) Di-isopropyl ether	6.985	45	223921	28.37	ug/L		98
27) Chloroprene	7.174	53	93017	132.14	ug/L		97
28) 1,1-Dichloroethane	7.210	63	123556	29.43	ug/L		99
29) Acrylonitrile	7.295	53	232574	141.11	ug/L		97
30) ETBE	7.575	59	197088	25.05	ug/L		94
31) Vinyl acetate	7.600	43	965787	152.36	ug/L		99
32) cis-1,2-Dichloroethene	8.031	96	77068	28.82	ug/L		97
33) 2,2-Dichloropropane	8.165	77	83533	24.00	ug/L		94
34) Bromochloromethane	8.287	128	26627	21.33	ug/L	#	79
35) Cyclohexane	8.293	56	131304	28.38	ug/L		98
36) Chloroform	8.378	83	112809	26.94	ug/L		98
37) Ethyl acetate	8.512	43	691210	144.93	ug/L		98
38) Tetrahydrofuran	8.591	42	54503	28.38	ug/L		94
40) Carbon Tetrachloride	8.555	117	68737	24.45	ug/L		97
41) 1,1,1-Trichloroethane	8.634	97	98073	26.78	ug/L		98
42) 2-Butanone	8.743	43	359393	141.81	ug/L		100
43) 1,1-Dichloropropene	8.780	75	93447	27.98	ug/L		96
44) tert-Butyl formate	8.895	59	260811	121.52	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64479.D
Acq On : 3 Sep 2022 8:44 pm
Operator : adelardl
Sample : FA98458-1MS 20X
Misc : MS52313,VY2672,,,,,20
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 05 02:23:51 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	9.084	54	224937	288.96	ug/L		93
46)	Methacrylonitrile	9.102	41	712538	280.72	ug/L		99
47)	Benzene	9.060	78	300265	27.66	ug/L		99
48)	TAME	9.169	73	271855	35.37	ug/L		96
50)	Isobutyl Alcohol	9.272	42	125203	591.21	ug/L		99
51)	1,2-Dichloroethane	9.285	62	93811	27.39	ug/L		97
52)	Tert Amyl Alcohol	9.376	59	183541m	278.24	ug/L		
53)	Trichloroethene	9.674	95	72155	27.44	ug/L		96
54)	Methylcyclohexane	9.662	83	140150	30.51	ug/L		97
55)	Dibromomethane	10.088	93	37030	24.94	ug/L	#	80
56)	1,2-Dichloropropane	10.173	63	72307	27.76	ug/L		93
57)	Bromodichloromethane	10.228	83	75770	27.27	ug/L		97
58)	Methyl methacrylate	10.343	41	80759	27.54	ug/L		95
59)	1,4-Dioxane	10.410	88	38028	663.23	ug/L		97
60)	2-Chloroethyl vinyl ether	10.708	63	97263	132.78	ug/L		97
61)	cis-1,3-Dichloropropene	10.781	75	98059	26.59	ug/L		98
64)	Toluene	10.976	91	322830	24.41	ug/L		95
65)	2-Nitropropane	11.171	41	156717	119.26	ug/L		99
66)	4-Methyl-2-pentanone	11.262	43	707131	133.85	ug/L		97
67)	trans-1,3-Dichloropropene	11.310	75	88180	24.53	ug/L		78
68)	Tetrachloroethene	11.304	166	122117	38.20	ug/L		91
69)	Ethyl methacrylate	11.402	69	102423	23.73	ug/L		92
70)	1,1,2-Trichloroethane	11.444	83	55237	24.01	ug/L		96
71)	Dibromochloromethane	11.590	129	47599	19.28	ug/L		96
72)	1,3-Dichloropropane	11.657	76	113838	22.67	ug/L		97
73)	1,2-Dibromoethane	11.791	107	61522	21.66	ug/L		94
74)	3,3-dimethyl-1-butanol	11.870	57	1369660m	1236.69	ug/L		
75)	2-hexanone	11.901	43	582353	148.20	ug/L		99
76)	1-Chlorohexane	12.107	91	105281	26.46	ug/L		87
77)	Ethylbenzene	12.156	91	369794	25.38	ug/L		99
78)	Chlorobenzene	12.162	112	190471	23.45	ug/L		98
79)	1,1,1,2-Tetrachloroethane	12.205	131	55752	21.62	ug/L		96
80)	m,p-Xylene	12.259	91	560347	49.76	ug/L		98
81)	o-Xylene	12.570	91	273893	25.35	ug/L		96
82)	Styrene	12.606	104	186111	23.62	ug/L		95
83)	Bromoform	12.667	173	25462	16.09	ug/L		92
84)	Isopropylbenzene	12.783	105	340823	24.80	ug/L		98
87)	cis-1,4-Dichloro-2-butene	13.032	53	15014	12.04	ug/L	#	68
88)	n-Propylbenzene	13.062	91	419500	26.58	ug/L		93
89)	Bromobenzene	13.099	156	60978	19.37	ug/L	#	80
90)	1,1,2,2-Tetrachloroethane	13.117	83	116209	26.47	ug/L		99
91)	1,3,5-Trimethylbenzene	13.178	105	268153	24.87	ug/L		96
92)	2-Chlorotoluene	13.202	91	258147	25.19	ug/L		97
93)	trans-1,4-Dichloro-2-B...	13.239	53	12291	10.61	ug/L	#	1
94)	1,2,3-Trichloropropane	13.233	110	32334	21.93	ug/L		89
95)	Cyclohexanone	13.288	55	39598	139.43	ug/L		94
96)	4-Chlorotoluene	13.312	91	233099	25.55	ug/L		96
97)	tert-Butylbenzene	13.409	91	154377	25.98	ug/L		90
98)	1,2,4-Trimethylbenzene	13.458	105	270032	25.51	ug/L		92
99)	Pentachloroethane	13.464	167	34370	21.15	ug/L		86
100)	sec-Butylbenzene	13.531	105	360525	27.97	ug/L		98
101)	4-Isopropyltoluene	13.610	119	279814	25.84	ug/L		96
102)	1,3-Dichlorobenzene	13.726	146	119600	21.11	ug/L		93
103)	1,2,3-Trimethylbenzene	13.762	105	278411	26.01	ug/L		98
104)	1,4-Dichlorobenzene	13.780	146	124069	20.66	ug/L		93
105)	n-Butylbenzene	13.896	92	134908	25.11	ug/L		96
106)	Benzyl Chloride	13.932	126	22698	13.31	ug/L	#	80
107)	1,2-Dichlorobenzene	14.072	146	114141	20.60	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64479.D
Acq On : 3 Sep 2022 8:44 pm
Operator : adelardl
Sample : FA98458-1MS 20X
Misc : MS52313,VY2672,,,,,20
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 05 02:23:51 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

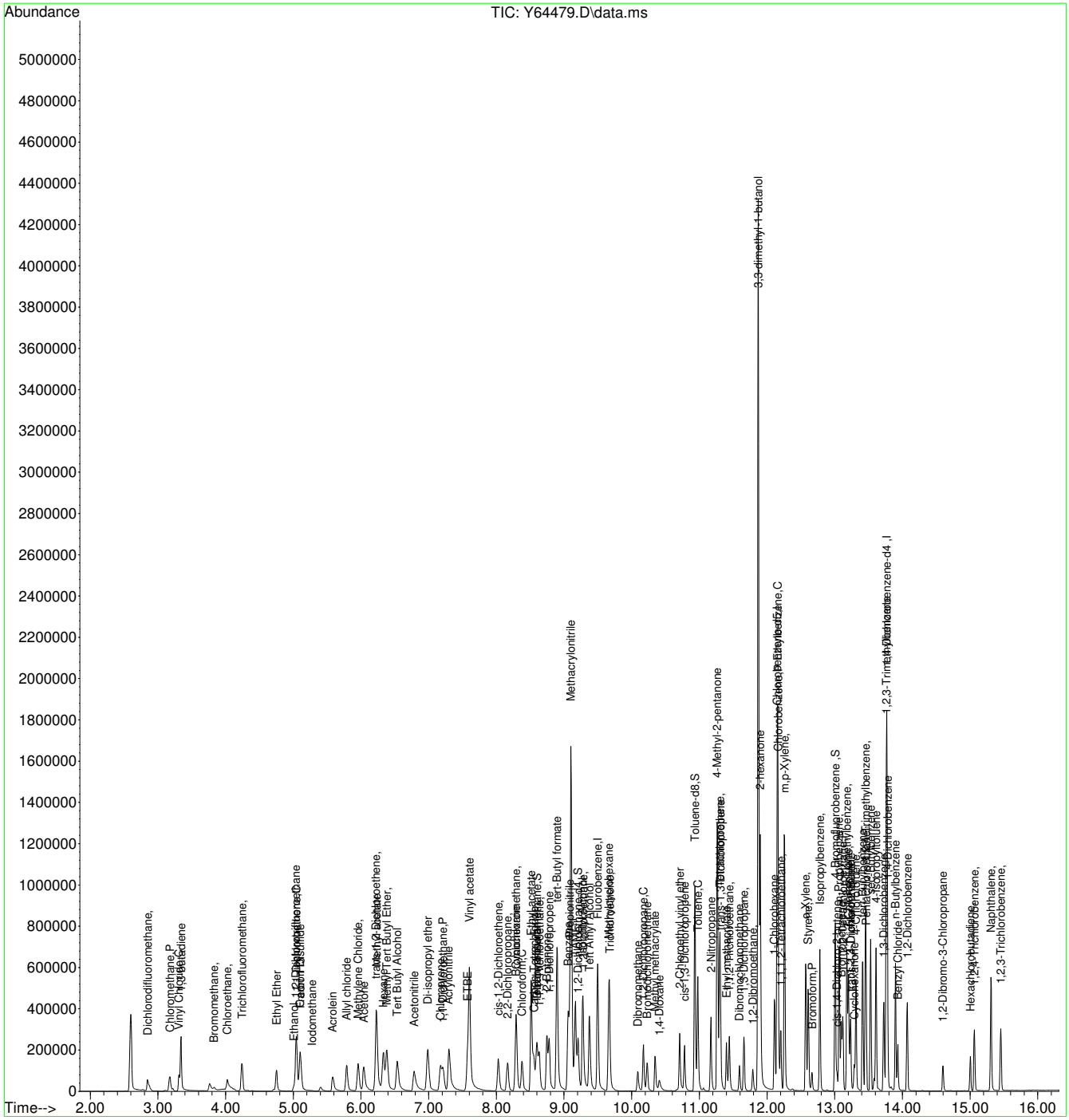
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.595	75	23428	22.91	ug/L	#	71
109) Hexachlorobutadiene	15.003	225	19704	19.43	ug/L		89
110) 1,2,4-Trichlorobenzene	15.064	180	63946	17.66	ug/L		96
111) Naphthalene	15.307	128	336593	21.58	ug/L		100
112) 1,2,3-Trichlorobenzene	15.453	180	66545	18.33	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64479.D
Acq On : 3 Sep 2022 8:44 pm
Operator : adelardl
Sample : FA98458-1MS 20X
Misc : MS52313,VY2672,,,,,20
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 05 02:23:51 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



Manual Integration Approval Summary

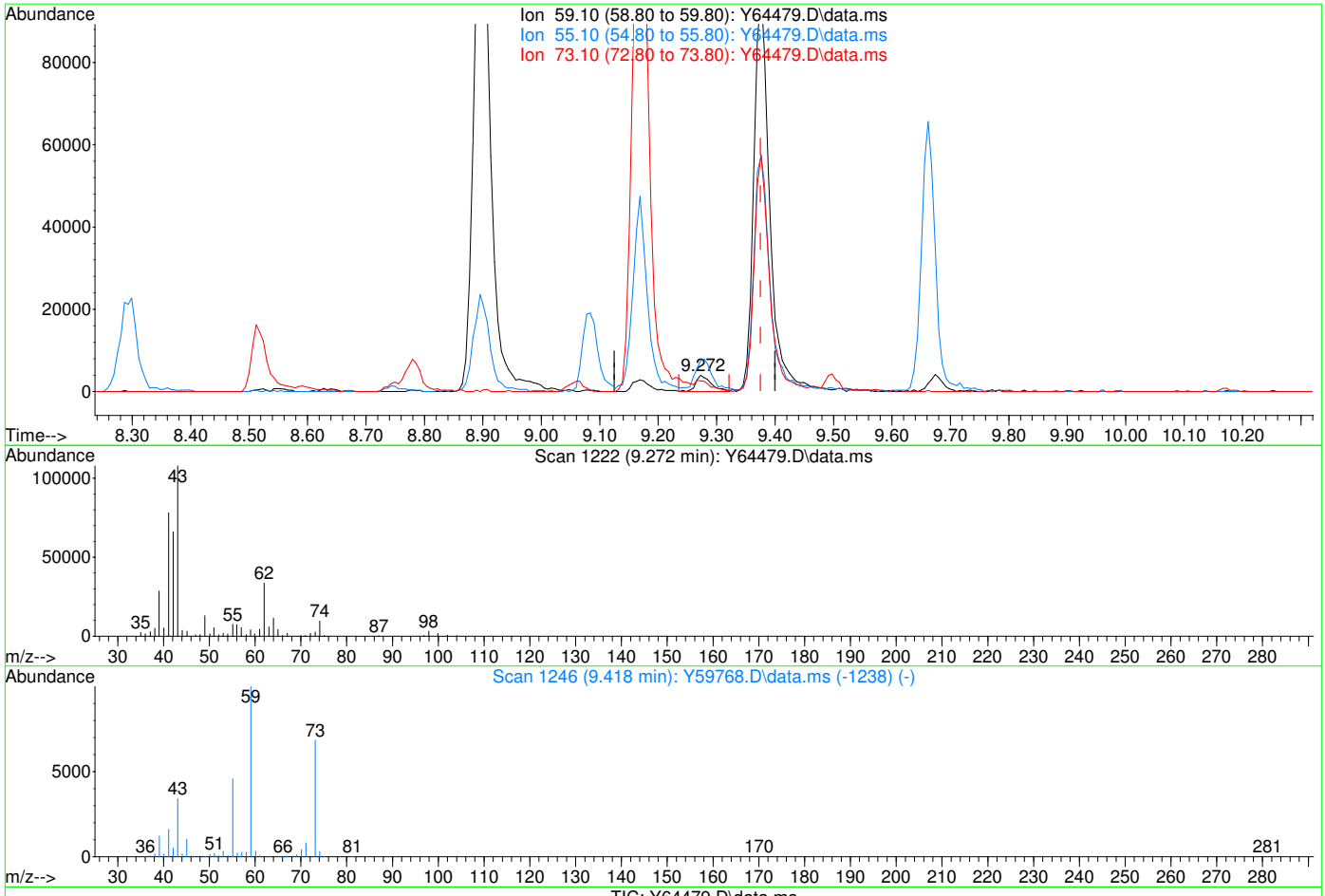
Sample Number: FA98458-1MS
Lab FileID: Y64479.D
Injection Time: 09/03/22 20:44
Method: SW846 8260D
Analyst approved: 09/07/22 10:29 Adelard Lefebvre
Supervisor approved: 09/07/22 16:38 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64479.D
Acq On : 3 Sep 2022 8:44 pm
Operator : adelardl
Sample : FA98458-1MS 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 05 01:43:11 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



TIC: Y64479.D\data.ms

(52) Tert Amyl Alcohol

9.272min (-0.103) 12.26ug/L

response 7127

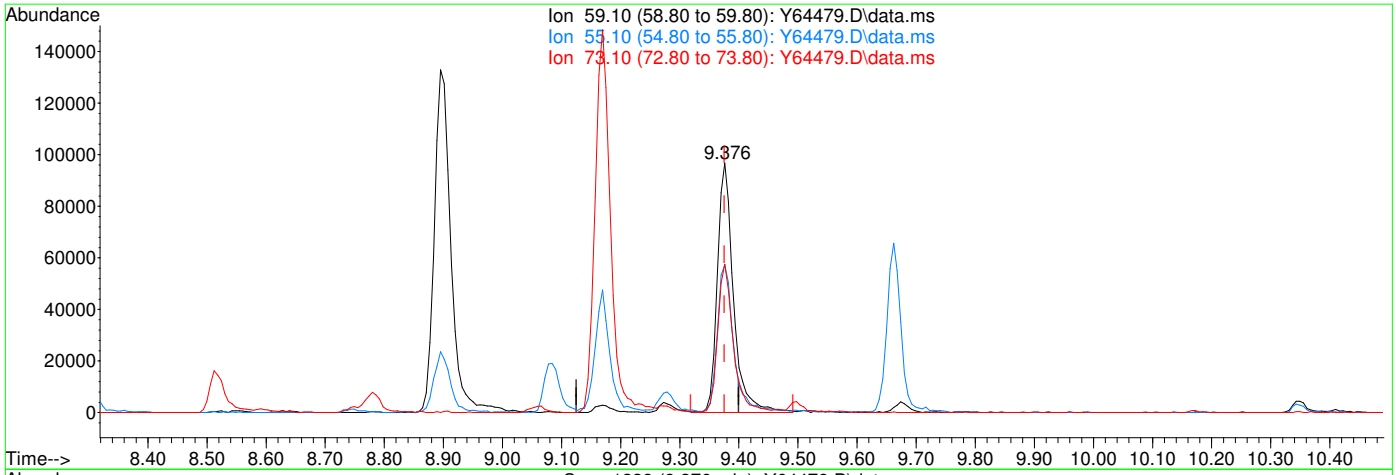
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	166.92#
73.10	59.00	56.19
0.00	0.00	0.00

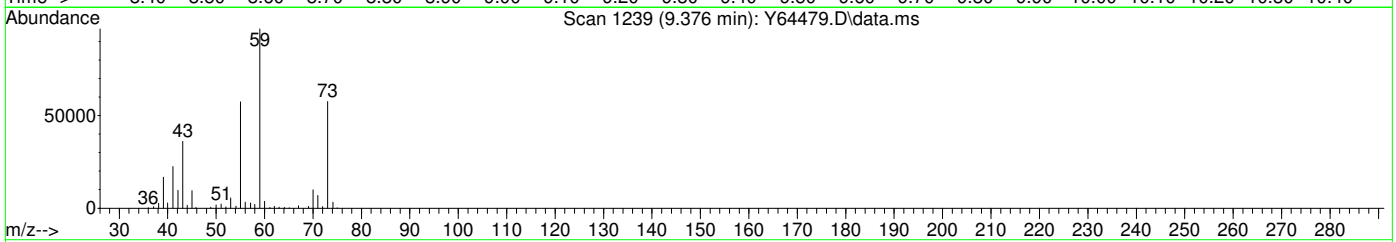
Y64479.D edits: Tert Amyl Alcohol

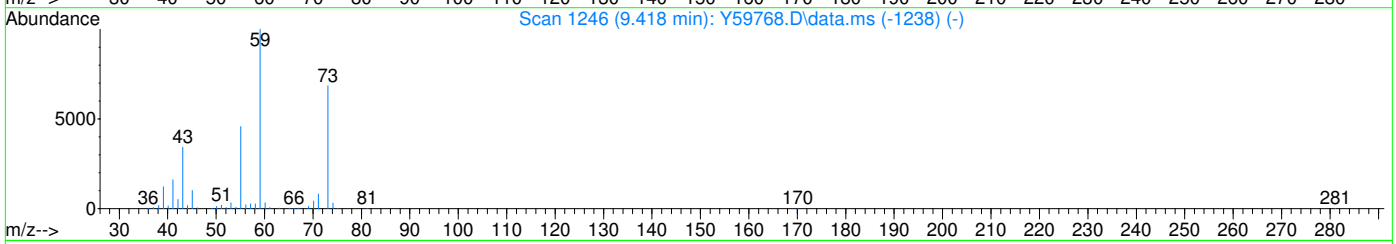
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64479.D
Acq On : 3 Sep 2022 8:44 pm
Operator : adelardl
Sample : FA98458-1MS 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 05 01:43:11 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64479.D\data.ms

(52) Tert Amyl Alcohol

9.376min (+0.001) 278.24ug/L m

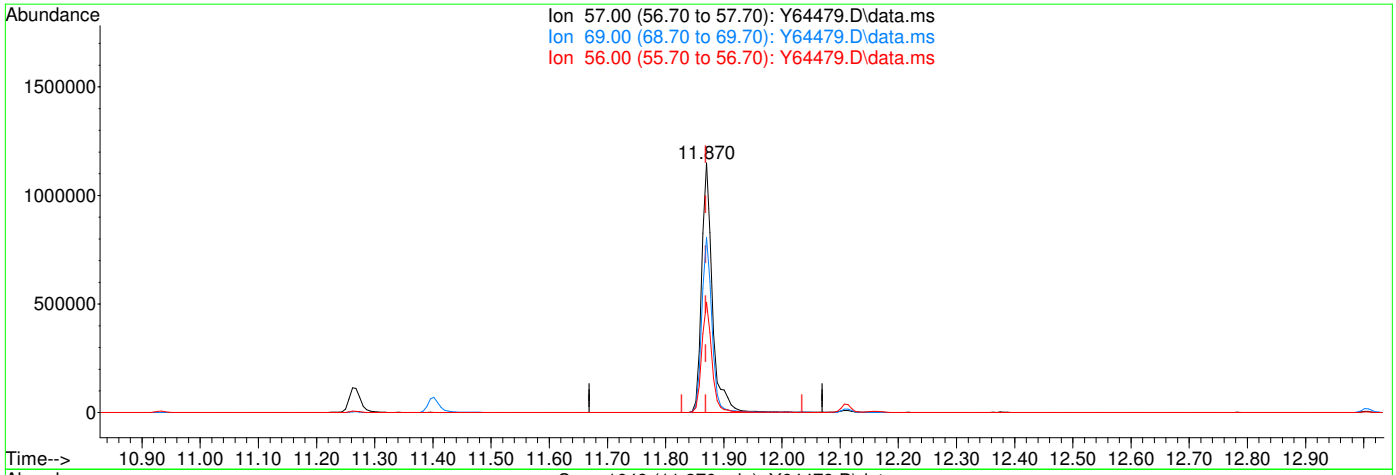
response 183541

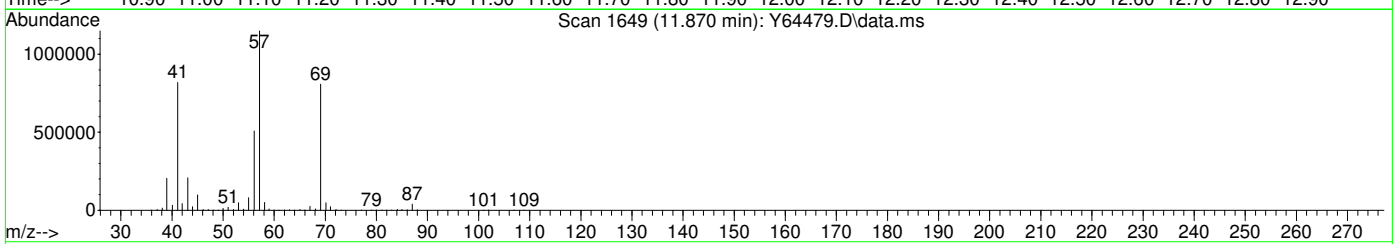
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	59.22
73.10	59.00	59.48
0.00	0.00	0.00

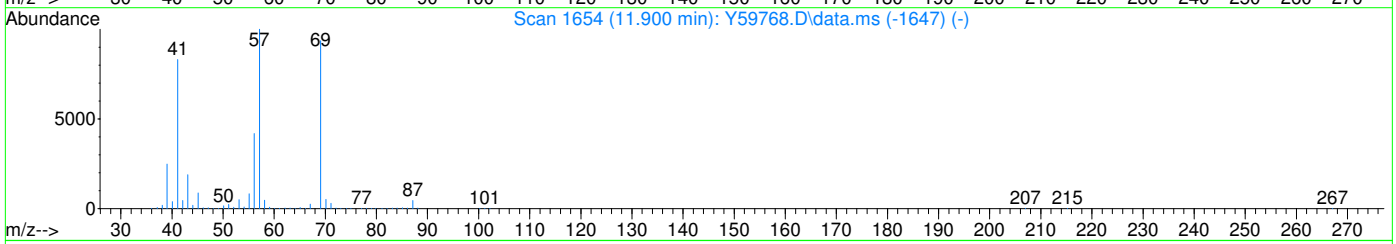
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64479.D
Acq On : 3 Sep 2022 8:44 pm
Operator : adelardl
Sample : FA98458-1MS 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 05 01:43:11 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64479.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (+0.001) 1328.70ug/L

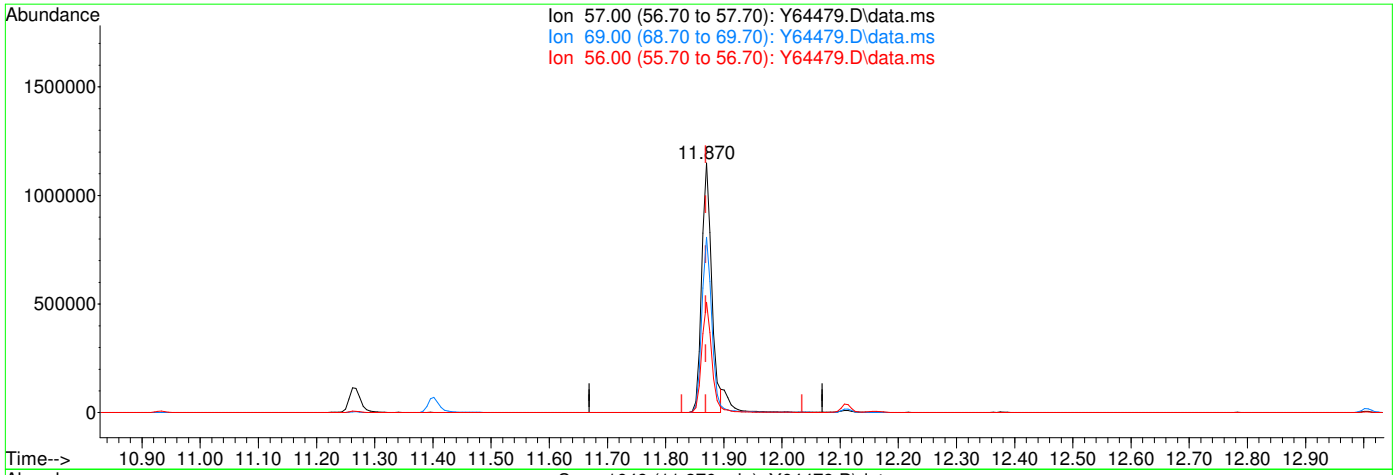
response 1483457

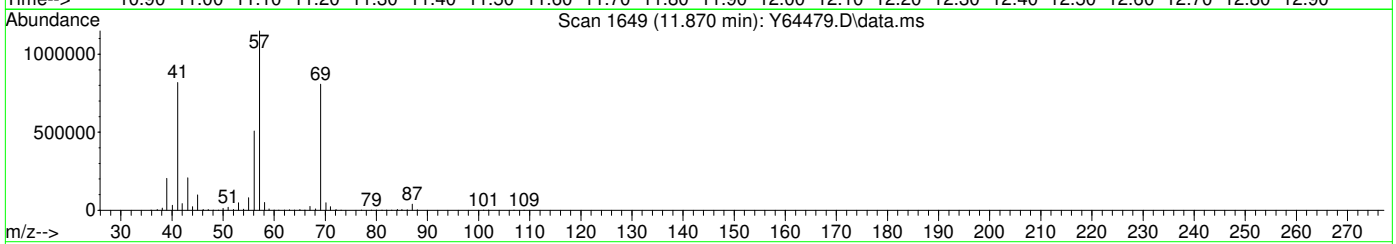
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	70.25
56.00	42.20	44.18
0.00	0.00	0.00

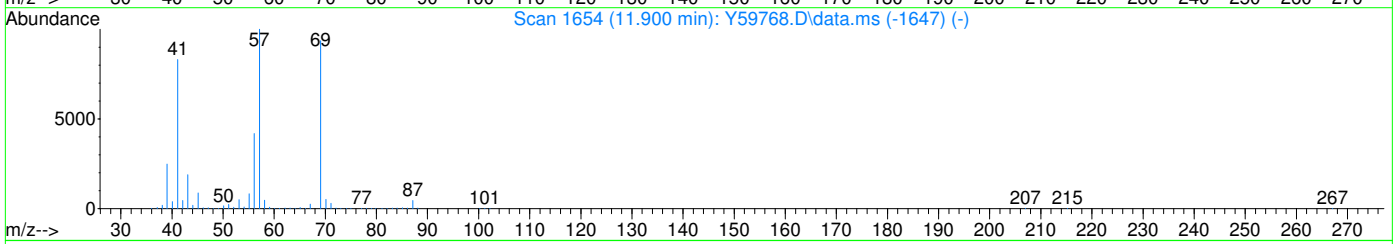
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64479.D
Acq On : 3 Sep 2022 8:44 pm
Operator : adelardl
Sample : FA98458-1MS 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 05 01:43:11 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64479.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (+0.001) 1236.69ug/L m

response 1369660

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	70.25
56.00	42.20	44.18
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 16:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,20
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 02:25:40 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.499	96	512345	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.151	117	463389	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.769	152	235736	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.598	113	113089	49.26	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.52%			
49) 1,2-Dichloroethane-d4	9.207	65	144688	51.60	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.20%			
63) Toluene-d8	10.934	98	550348	48.02	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.04%			
86) 4-Bromofluorobenzene	13.009	174	157754	44.08	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 88.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.843	85	83257	28.57	ug/L	92
3) Acrolein	5.581	56	90597	128.19	ug/L	96
4) Chloromethane	3.178	50	100756	31.57	ug/L	100
5) 1,3-butadiene	3.336	39	102265	35.15	ug/L	95
6) Vinyl Chloride	3.312	62	102877	28.84	ug/L	92
7) Bromomethane	3.829	94	8903	14.13	ug/L	97
8) Chloroethane	4.024	64	48153	39.47	ug/L	99
9) Trichlorofluoromethane	4.243	101	118181	31.41	ug/L	95
10) Ethyl Ether	4.747	59	59857	25.66	ug/L	96
11) Ethanol	5.009	45	32935	530.67	ug/L	97
12) 1,2-Dichlorotrifluoroe...	5.039	67	86804	33.65	ug/L	95
13) 1,1-Dichloroethene	5.046	61	100944	28.90	ug/L	96
14) Freon 113	5.106	101	57787	23.80	ug/L	93
15) Carbon Disulfide	5.100	76	145125	21.85	ug/L	99
16) Iodomethane	5.271	142	4996	9.07	ug/L	88
17) Allyl chloride	5.788	41	104830	31.86	ug/L	97
18) Methylene Chloride	5.958	49	116289	27.96	ug/L	96
19) Acetone	6.043	43	210631	143.09	ug/L	96
20) Methyl acetate	6.232	43	469117	140.75	ug/L	98
21) trans-1,2-Dichloroethene	6.214	61	99231	28.49	ug/L	91
22) Hexane	6.335	56	56556m	30.12	ug/L	
23) Methyl Tert Butyl Ether	6.378	73	244232	30.45	ug/L	95
24) Tert Butyl Alcohol	6.536	59	217171	261.33	ug/L	96
25) Acetonitrile	6.785	41	182444	278.38	ug/L	97
26) Di-isopropyl ether	6.986	45	242130	28.41	ug/L	98
27) Chloroprene	7.175	53	98676	130.22	ug/L	94
28) 1,1-Dichloroethane	7.217	63	135557	29.91	ug/L	99
29) Acrylonitrile	7.296	53	240760	135.52	ug/L	96
30) ETBE	7.576	59	213049	25.08	ug/L	95
31) Vinyl acetate	7.601	43	999250	146.38	ug/L	99
32) cis-1,2-Dichloroethene	8.026	96	86606	30.00	ug/L	93
33) 2,2-Dichloropropane	8.166	77	90711	24.14	ug/L	95
34) Bromochloromethane	8.294	128	30201	22.41	ug/L	88
35) Cyclohexane	8.288	56	139378	27.90	ug/L	96
36) Chloroform	8.379	83	124349	27.51	ug/L	96
37) Ethyl acetate	8.513	43	717737	139.46	ug/L	98
38) Tetrahydrofuran	8.586	42	55437	26.74	ug/L	95
40) Carbon Tetrachloride	8.556	117	76264	25.13	ug/L	91
41) 1,1,1-Trichloroethane	8.635	97	107692	27.24	ug/L	98
42) 2-Butanone	8.744	43	381820	139.55	ug/L	98
43) 1,1-Dichloropropene	8.781	75	100421	27.86	ug/L	93
44) tert-Butyl formate	8.896	59	280551	121.08	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,20
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 02:25:40 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	9.079	54	231670	276.55	ug/L		96
46) Methacrylonitrile	9.103	41	725604	266.11	ug/L		98
47) Benzene	9.061	78	322841	27.54	ug/L		98
48) TAME	9.170	73	293001	35.31	ug/L		97
50) Isobutyl Alcohol	9.274	42	128495	565.83	ug/L		97
51) 1,2-Dichloroethane	9.280	62	95418	25.80	ug/L		95
52) Tert Amyl Alcohol	9.377	59	197704m	277.68	ug/L		
53) Trichloroethene	9.675	95	79395	27.97	ug/L		94
54) Methylcyclohexane	9.663	83	149323	30.11	ug/L		97
55) Dibromomethane	10.089	93	41297	25.77	ug/L		81
56) 1,2-Dichloropropane	10.174	63	76047	27.04	ug/L		92
57) Bromodichloromethane	10.229	83	80452	26.82	ug/L		97
58) Methyl methacrylate	10.344	41	86434	27.31	ug/L		97
59) 1,4-Dioxane	10.411	88	40479	654.79	ug/L		94
60) 2-Chloroethyl vinyl ether	10.709	63	101148	128.07	ug/L		96
61) cis-1,3-Dichloropropene	10.782	75	105451	26.49	ug/L		99
64) Toluene	10.977	91	342735	24.19	ug/L		100
65) 2-Nitropropane	11.172	41	171072	121.54	ug/L		97
66) 4-Methyl-2-pentanone	11.263	43	732984	129.80	ug/L		98
67) trans-1,3-Dichloropropene	11.312	75	98626	25.58	ug/L		86
68) Tetrachloroethene	11.299	166	126428	36.92	ug/L		87
69) Ethyl methacrylate	11.397	69	107091	23.19	ug/L		91
70) 1,1,2-Trichloroethane	11.439	83	61383	24.91	ug/L		95
71) Dibromochloromethane	11.591	129	52769	19.95	ug/L		94
72) 1,3-Dichloropropane	11.658	76	123583	22.98	ug/L		99
73) 1,2-Dibromoethane	11.792	107	68497	22.51	ug/L		96
74) 3,3-dimethyl-1-butanol	11.871	57	1381307m	1171.10	ug/L		
75) 2-hexanone	11.902	43	591364	143.36	ug/L		98
76) 1-Chlorohexane	12.108	91	113766	26.69	ug/L		89
77) Ethylbenzene	12.157	91	393425	25.21	ug/L		98
78) Chlorobenzene	12.163	112	202631	23.29	ug/L		97
79) 1,1,1,2-Tetrachloroethane	12.200	131	58557	21.20	ug/L		86
80) m,p-Xylene	12.254	91	596786	49.48	ug/L		96
81) o-Xylene	12.571	91	291286	25.16	ug/L		97
82) Styrene	12.607	104	207434	24.58	ug/L		97
83) Bromoform	12.662	173	29885	17.55	ug/L		95
84) Isopropylbenzene	12.778	105	367161	24.94	ug/L		96
87) cis-1,4-Dichloro-2-butene	13.033	53	12607	9.22	ug/L	#	79
88) n-Propylbenzene	13.064	91	455204	26.31	ug/L		92
89) Bromobenzene	13.094	156	65947	19.11	ug/L	#	57
90) 1,1,2,2-Tetrachloroethane	13.118	83	121414	25.23	ug/L		96
91) 1,3,5-Trimethylbenzene	13.179	105	286988	24.28	ug/L		98
92) 2-Chlorotoluene	13.203	91	277878	24.73	ug/L		96
93) trans-1,4-Dichloro-2-B...	13.240	53	12903	10.16	ug/L	#	10
94) 1,2,3-Trichloropropane	13.234	110	36004	22.28	ug/L		97
95) Cyclohexanone	13.289	55	40723	130.81	ug/L		90
96) 4-Chlorotoluene	13.313	91	250885	25.09	ug/L		99
97) tert-Butylbenzene	13.410	91	164957	25.33	ug/L		91
98) 1,2,4-Trimethylbenzene	13.453	105	286746	24.71	ug/L		92
99) Pentachloroethane	13.459	167	37402	20.99	ug/L	#	56
100) sec-Butylbenzene	13.532	105	381979	27.04	ug/L		98
101) 4-Isopropyltoluene	13.611	119	302001	25.44	ug/L		97
102) 1,3-Dichlorobenzene	13.727	146	129978	20.93	ug/L		93
103) 1,2,3-Trimethylbenzene	13.763	105	298669	25.46	ug/L		98
104) 1,4-Dichlorobenzene	13.781	146	137687	20.91	ug/L		96
105) n-Butylbenzene	13.897	92	142182	24.14	ug/L		95
106) Benzyl Chloride	13.933	126	23476	12.58	ug/L	#	84
107) 1,2-Dichlorobenzene	14.073	146	126975	20.91	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,20
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 02:25:40 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

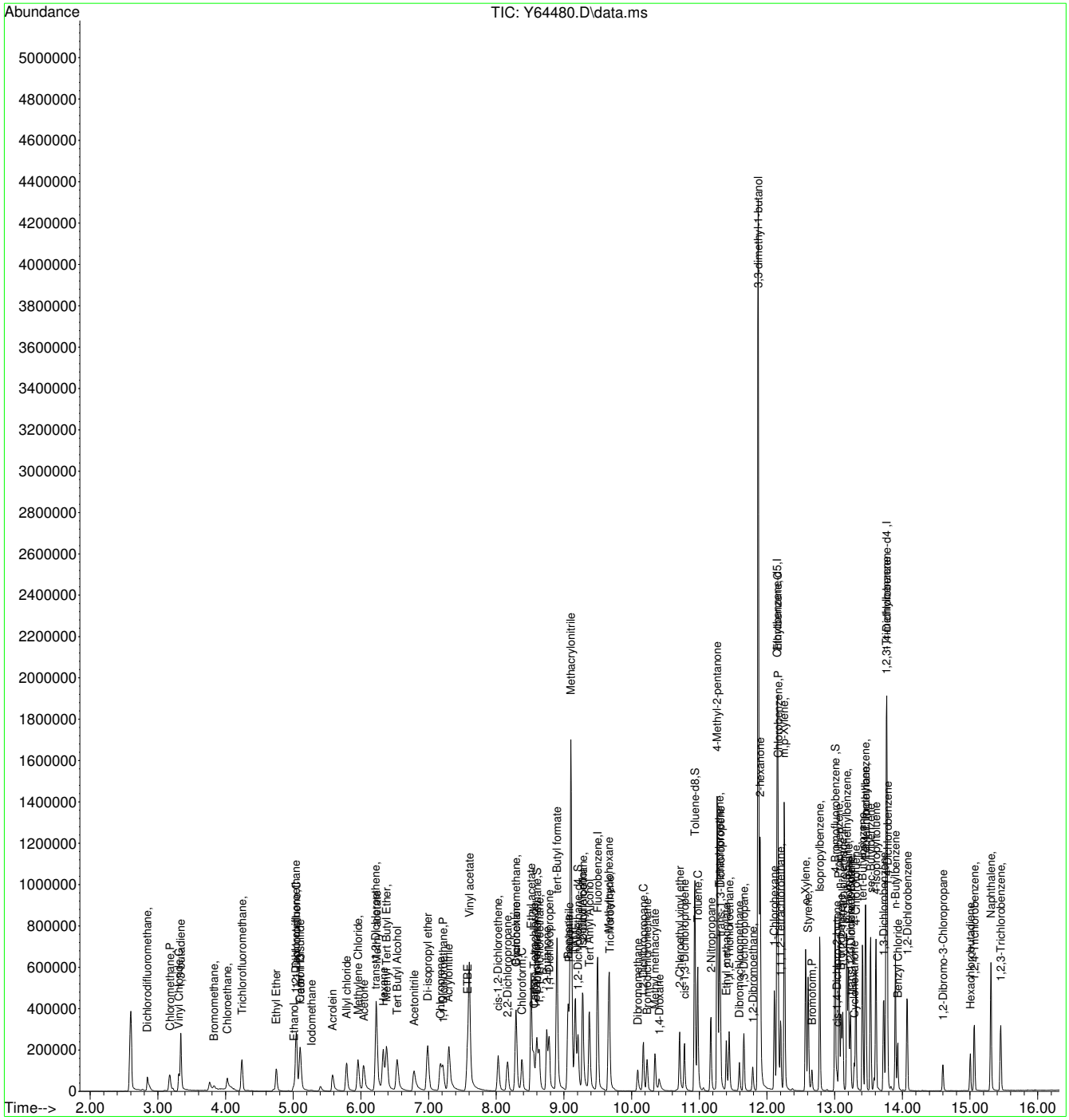
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.603	75	24478	21.84	ug/L	86
109) Hexachlorobutadiene	15.004	225	21281	19.16	ug/L	82
110) 1,2,4-Trichlorobenzene	15.065	180	71309	17.96	ug/L	97
111) Naphthalene	15.308	128	365488	21.37	ug/L	100
112) 1,2,3-Trichlorobenzene	15.454	180	72812	18.30	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,20
ALS Vial : 28 Sample Multiplier: 1

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Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
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Manual Integration Approval Summary

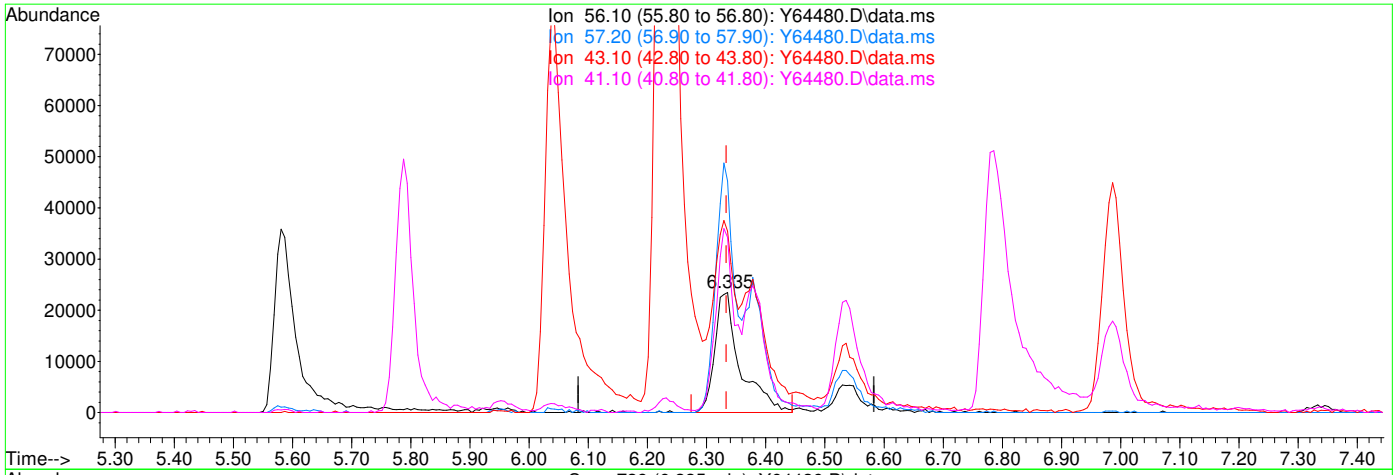
Sample Number: FA98458-1MSD
Lab FileID: Y64480.D
Injection Time: 09/03/22 21:09
Method: SW846 8260D
Analyst approved: 09/07/22 10:29 Adelard Lefebvre
Supervisor approved: 09/07/22 16:38 Karen Watson

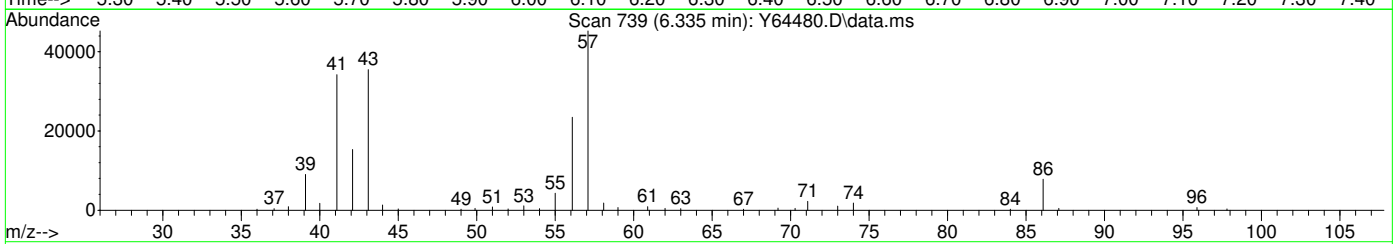
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.34	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

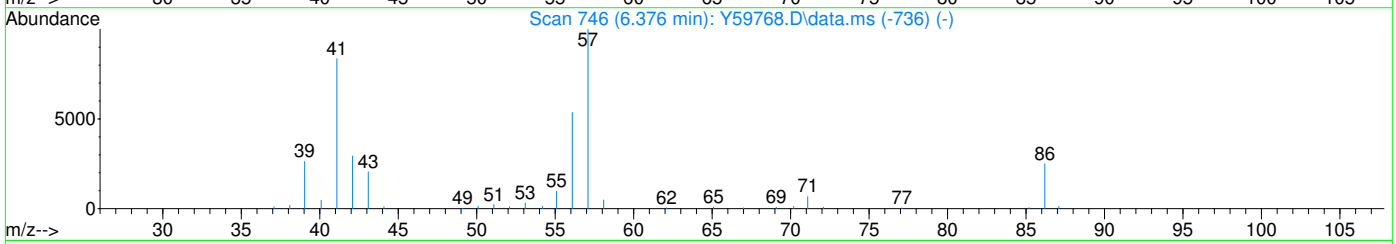
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 01:43:15 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64480.D\data.ms

(22) Hexane

6.335min (+0.002) 37.73ug/L

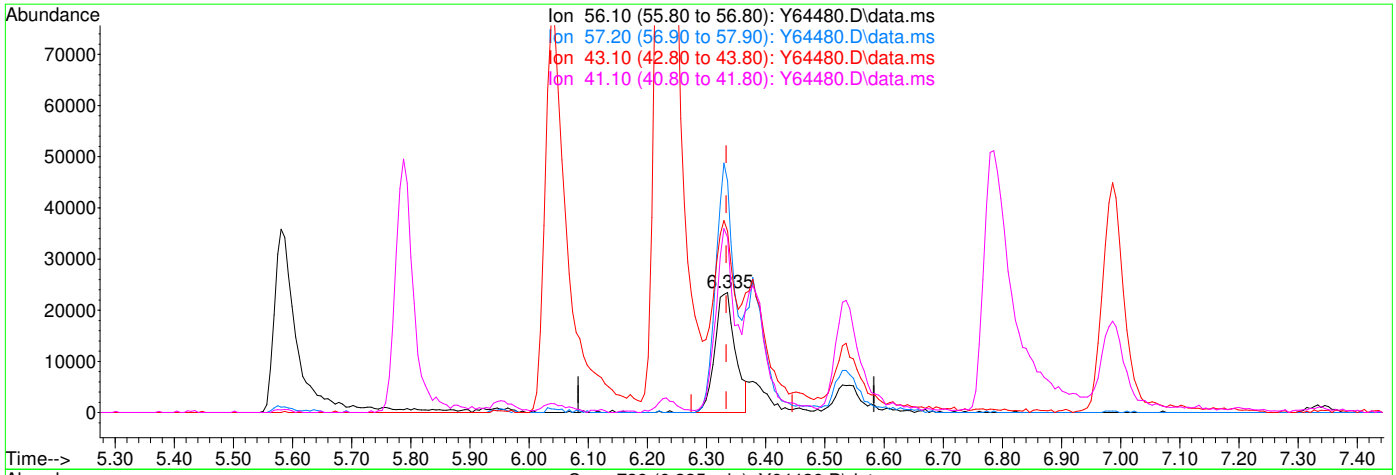
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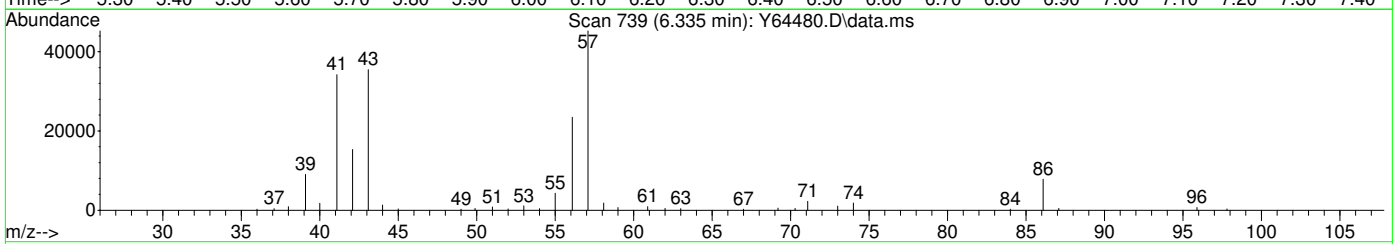
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	192.81
43.10	151.00	134.48
41.10	129.70	143.71

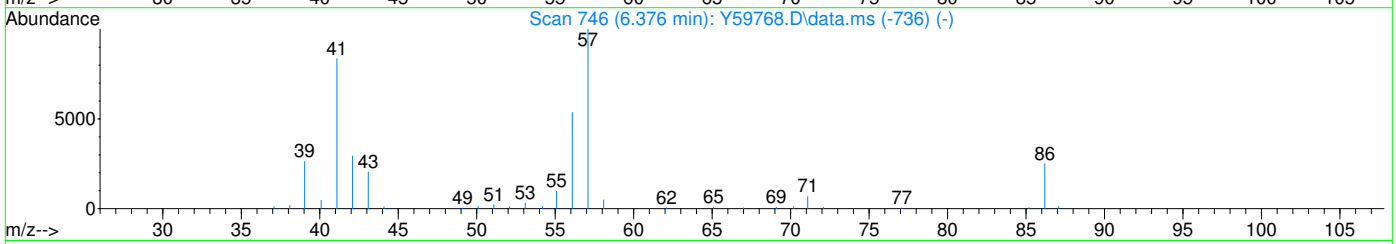
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 01:43:15 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64480.D\data.ms

(22) Hexane

6.335min (+0.002) 30.12ug/L m

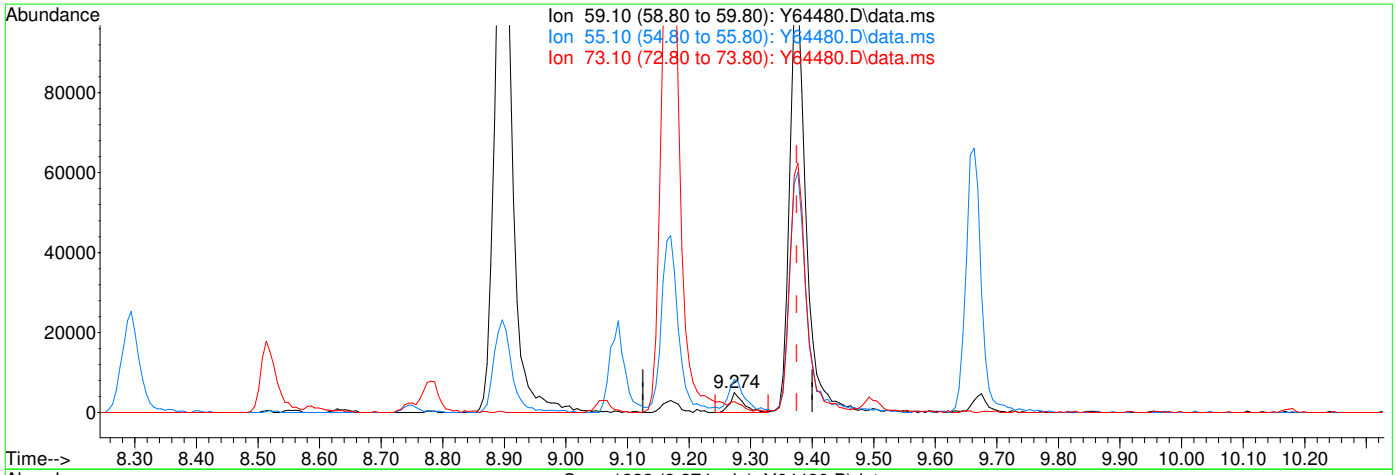
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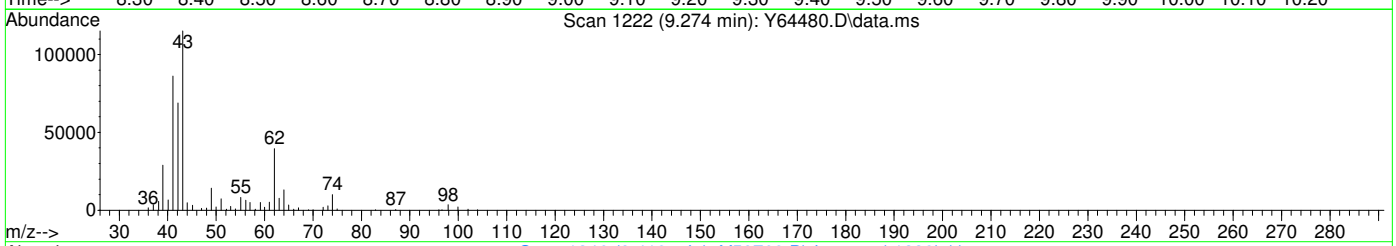
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	192.81
43.10	151.00	151.02
41.10	129.70	145.74

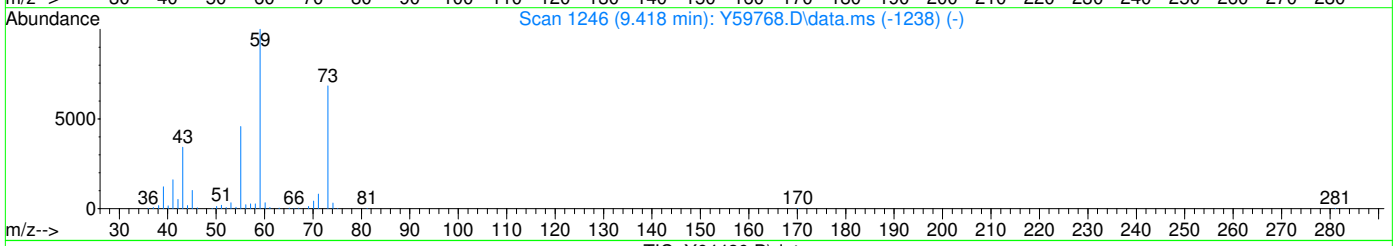
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 02:24:25 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
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Response via : Initial Calibration







TIC: Y64480.D\data.ms

(52) Tert Amyl Alcohol

9.274min (-0.101) 12.34ug/L

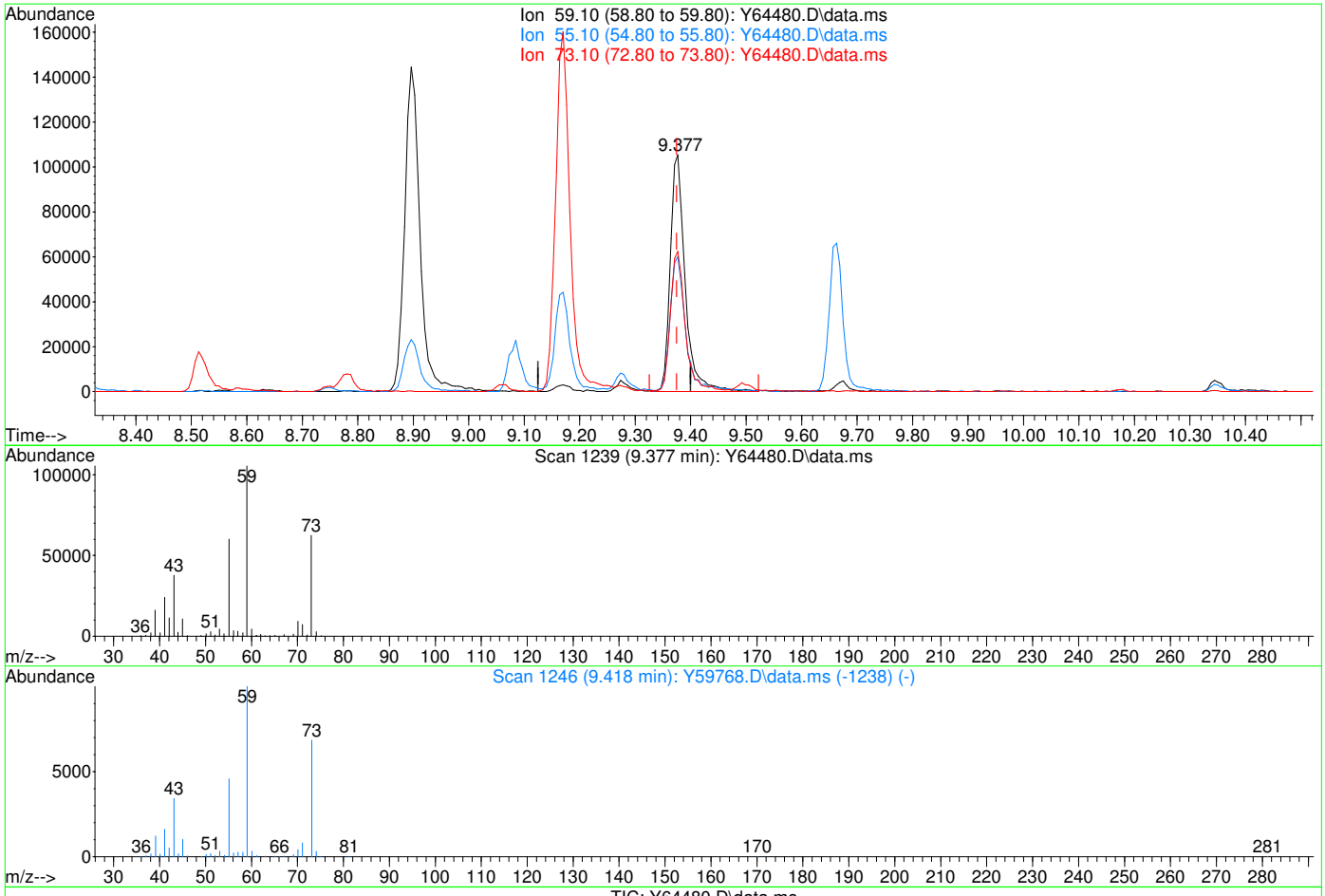
response 7744

Ion	Exp%	Act%
59.10	100	100
55.10	51.70	147.14#
73.10	59.00	45.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 02:24:25 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



TIC: Y64480.D\data.ms

(52) Tert Amyl Alcohol

9.377min (+0.002) 277.68ug/L m

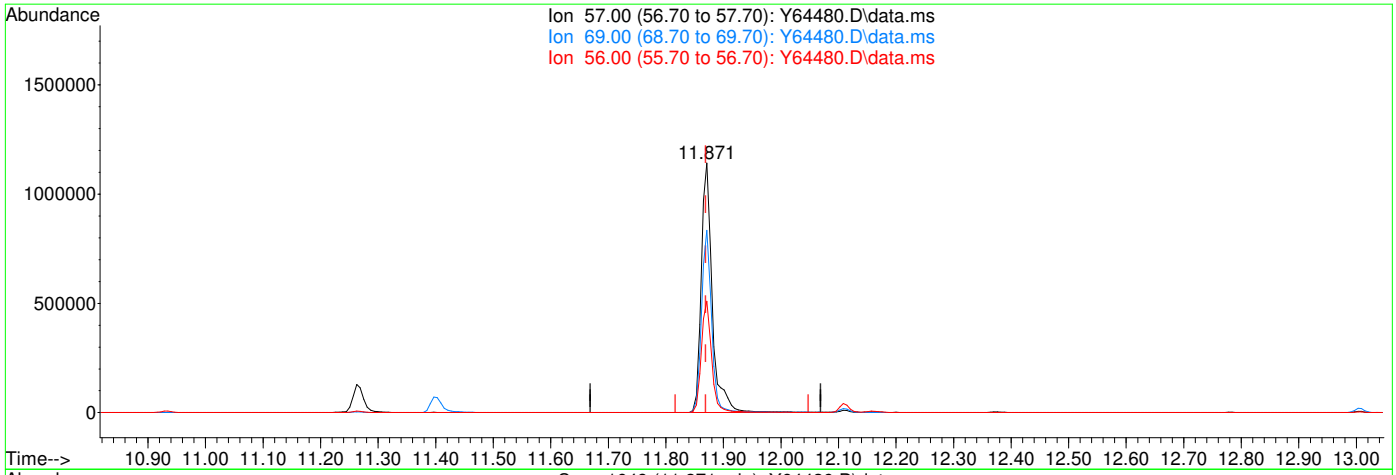
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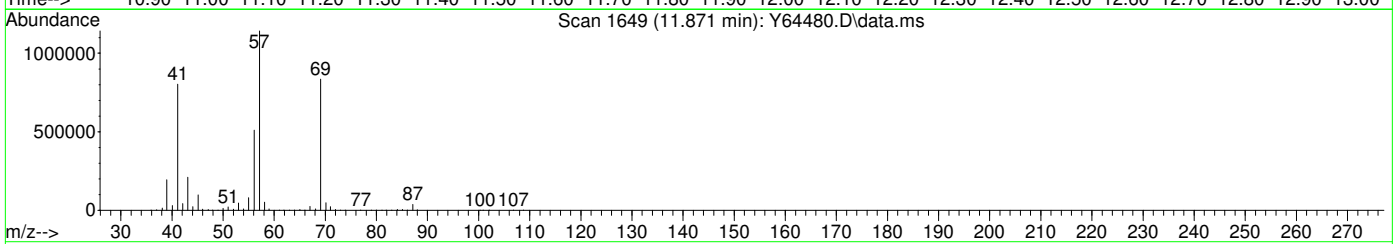
Ion	Exp%	Act%
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55.10	51.70	56.97
73.10	59.00	59.19
0.00	0.00	0.00

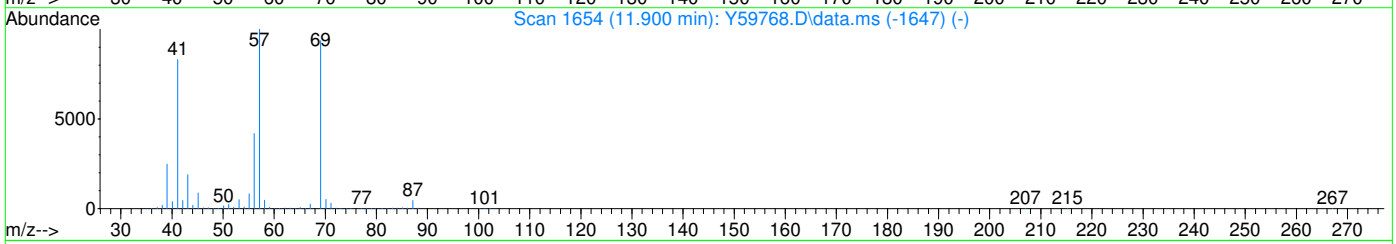
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 02:24:25 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64480.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.871min (+0.002) 1289.64ug/L

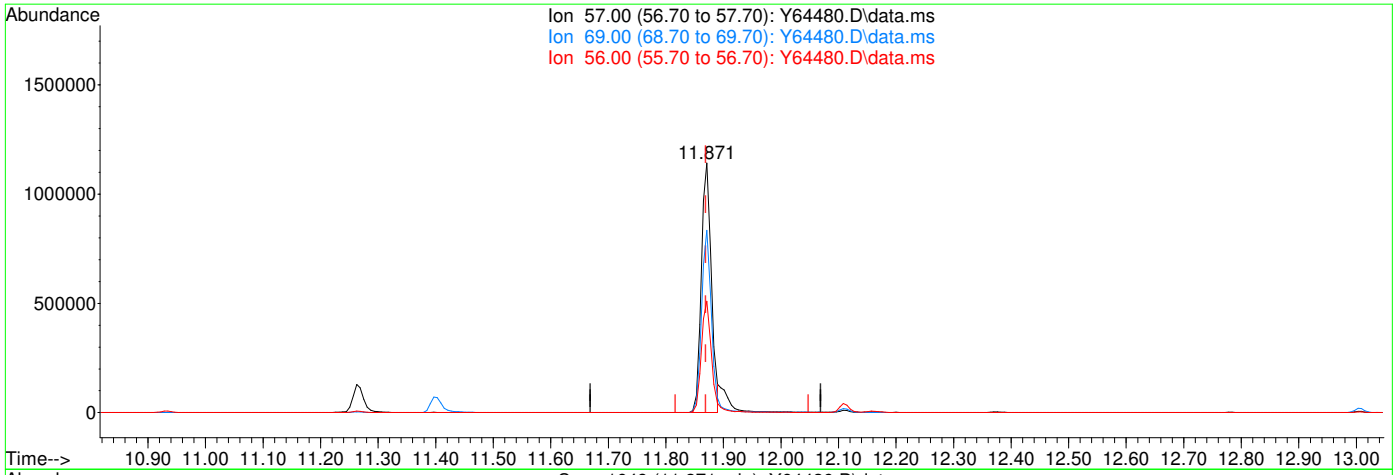
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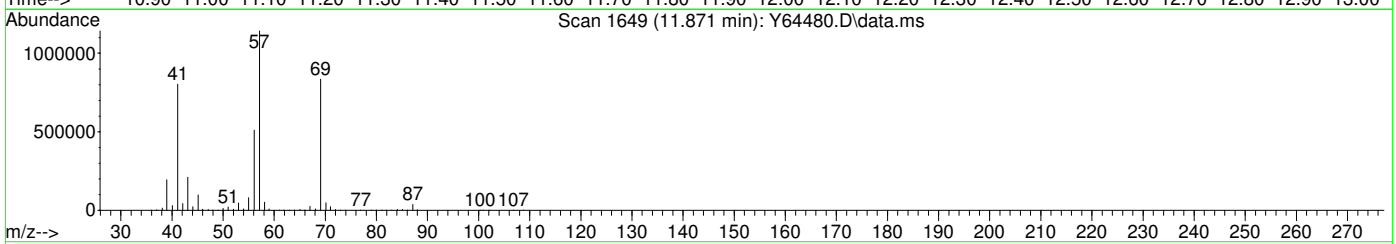
Ion	Exp%	Act%
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69.00	70.10	73.00
56.00	42.20	44.54
0.00	0.00	0.00

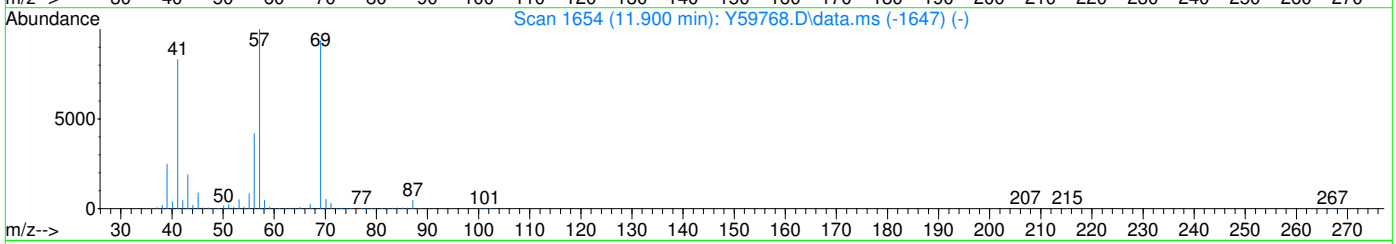
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64480.D
Acq On : 3 Sep 2022 9:09 pm
Operator : adelardl
Sample : FA98458-1MSD 20X
Misc : MS52313,VY2672,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 05 02:24:25 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64480.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.871min (+0.002) 1171.10ug/L m

response 1381307

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	73.00
56.00	42.20	44.57
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 02:12:31 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.718	96	1062392	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.642	117	844923	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.331	152	407740	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.263	113	227511	50.39	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.78%			
49) 1,2-Dichloroethane-d4	3.551	65	315057	50.23	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.46%			
63) Toluene-d8	4.649	98	1067921	45.93	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 91.86%			
86) 4-Bromofluorobenzene	6.494	174	312286	49.10	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.120	85	107182	36.55	ug/L	97
3) Chloromethane	1.251	50	110390	34.07	ug/L	96
4) 1,3-butadiene	1.319	39	139459	46.31	ug/L	98
5) Vinyl Chloride	1.303	62	139816	35.40	ug/L	99
6) Bromomethane	1.507	94	62992	25.77	ug/L	98
7) Chloroethane	1.580	64	38790	30.08	ug/L	96
8) Trichlorofluoromethane	1.669	101	154927	38.65	ug/L	99
9) Ethyl Ether	1.878	59	97324	26.33	ug/L	99
10) Ethanol	1.967	45	63397	578.11	ug/L	98
11) 1,2-Dichlorotrifluoroe...	1.977	67	122194	35.34	ug/L	99
12) 1,1-Dichloroethene	1.983	61	153514	30.40	ug/L	97
13) Freon 113	2.014	101	90797	28.76	ug/L	97
14) Carbon Disulfide	1.998	76	161173	20.06	ug/L	95
15) Iodomethane	2.061	142	45484	21.94	ug/L	98
16) Acrolein	2.155	56	154089	113.98	ug/L	100
17) Allyl chloride	2.249	41	111065	30.58	ug/L	96
18) Methylene Chloride	2.301	49	134339	24.45	ug/L	98
19) Acetone	2.317	43	354059	145.17	ug/L	97
20) Methyl acetate	2.396	43	653931	132.29	ug/L	97
21) trans-1,2-Dichloroethene	2.401	61	152416	29.79	ug/L	98
22) Hexane	2.469	56	83470	33.20	ug/L	96
23) Methyl Tert Butyl Ether	2.469	73	361020	30.96	ug/L	98
24) Tert Butyl Alcohol	2.505	59	472642	327.74	ug/L	93
25) Acetonitrile	2.552	41	215890	263.92	ug/L	99
26) Di-isopropyl ether	2.688	45	315092	29.10	ug/L	98
27) Chloroprene	2.730	53	551815	35.78	ug/L	92
28) 1,1-Dichloroethane	2.730	63	206747	30.73	ug/L	99
29) Acrylonitrile	2.730	52	362978	148.86	ug/L	82
30) ETBE	2.882	59	327766	25.84	ug/L	99
31) Vinyl acetate	2.861	43	1004604	115.15	ug/L	100
32) cis-1,2-Dichloroethene	3.023	96	123271	30.72	ug/L	98
33) 2,2-Dichloropropane	3.086	77	103824	20.51	ug/L	99
34) Bromochloromethane	3.128	128	47604	26.25	ug/L	97
35) Cyclohexane	3.164	56	198921	31.67	ug/L	98
36) Chloroform	3.169	83	198939	29.47	ug/L	99
37) Ethyl acetate	3.227	43	809183	122.62	ug/L	99
38) Tetrahydrofuran	3.258	42	75339	29.90	ug/L	98
40) Carbon Tetrachloride	3.269	117	114299m	27.80	ug/L	
41) 1,1,1-Trichloroethane	3.295	97	169120	29.28	ug/L	98
42) 2-Butanone	3.316	43	593160	144.20	ug/L	98
43) 1,1-Dichloropropene	3.363	75	150310	29.67	ug/L	99
44) tert-Butyl formate	3.394	59	3397	1.36	ug/L #	30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 02:12:31 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.462	54	372479	286.80	ug/L		99
46)	Methacrylonitrile	3.483	41	1013861	292.24	ug/L		99
47)	Benzene	3.493	78	474302	29.33	ug/L		97
48)	TAME	3.567	73	389106	33.74	ug/L		94
50)	Isobutyl alcohol	3.588	43	392039m	590.05	ug/L		
51)	1,2-Dichloroethane	3.588	62	165592	28.61	ug/L		99
52)	Tert Amyl Alcohol	3.650	59	281591	232.73	ug/L		86
53)	Trichloroethene	3.828	95	118217	28.40	ug/L		99
54)	Methylcyclohexane	3.844	83	178336	32.23	ug/L		98
55)	Dibromomethane	4.053	93	62266	27.24	ug/L		89
56)	1,2-Dichloropropane	4.110	63	108371	27.59	ug/L		94
57)	Bromodichloromethane	4.147	83	109676	26.27	ug/L		99
58)	Methyl methacrylate	4.236	41	119948	27.49	ug/L		97
59)	1,4-Dioxane	4.257	88	73398	594.57	ug/L		96
61)	cis-1,3-Dichloropropene	4.523	75	129224	23.97	ug/L		96
64)	Toluene	4.680	91	504436	25.29	ug/L		99
65)	2-Nitropropane	4.780	41	117067	81.18	ug/L		97
66)	4-Methyl-2-pentanone	4.889	43	973790	126.54	ug/L		98
67)	trans-1,3-Dichloropropene	4.921	75	135454	24.04	ug/L		85
68)	Tetrachloroethene	4.936	166	111771	26.38	ug/L		98
69)	Ethyl methacrylate	5.031	69	166878	24.01	ug/L		97
70)	1,1,2-Trichloroethane	5.020	83	88321	25.88	ug/L		96
71)	Dibromochloromethane	5.140	129	77438	22.62	ug/L		97
72)	1,3-Dichloropropane	5.198	76	176517	23.27	ug/L		97
73)	1,2-Dibromoethane	5.297	107	104023	25.22	ug/L		92
74)	3,3-dimethyl-1-butanol	5.417	57	1748393	1021.16	ug/L		97
75)	2-hexanone	5.433	43	1063843	123.13	ug/L	#	65
76)	1-Chlorohexane	5.653	91	157729m	24.79	ug/L		
77)	Ethylbenzene	5.684	91	570893	26.10	ug/L		100
78)	Chlorobenzene	5.658	112	306770	25.68	ug/L		94
79)	1,1,1,2-Tetrachloroethane	5.700	131	90856	24.61	ug/L		97
80)	m,p-Xylene	5.783	91	889481	51.41	ug/L		99
81)	o-Xylene	6.076	91	452170	26.55	ug/L		98
82)	Styrene	6.113	104	340762	26.16	ug/L		97
83)	Bromoform	6.118	173	38138	21.02	ug/L		99
84)	Isopropylbenzene	6.311	105	524537	26.70	ug/L		98
87)	cis-1,4-Dichloro-2-butene	6.526	53	31827	14.73	ug/L	#	68
88)	n-Propylbenzene	6.609	91	618144	24.71	ug/L		99
89)	Bromobenzene	6.573	156	119289	23.58	ug/L		93
90)	1,1,2,2-Tetrachloroethane	6.630	83	163912	24.29	ug/L		99
91)	1,3,5-Trimethylbenzene	6.756	105	419395	24.08	ug/L		100
92)	2-Chlorotoluene	6.714	91	363720	24.09	ug/L		99
93)	trans-1,4-Dichloro-2-B...	6.761	53	43051	14.88	ug/L	#	80
94)	1,2,3-Trichloropropane	6.724	110	58164	23.11	ug/L		97
95)	Cyclohexanone	6.745	55	57646	109.38	ug/L		97
96)	4-Chlorotoluene	6.834	91	382256	24.02	ug/L		98
97)	tert-Butylbenzene	6.996	91	238549	24.94	ug/L		96
99)	1,2,4-Trimethylbenzene	7.048	105	415465	24.45	ug/L		97
100)	Pentachloroethane	6.996	167	51089	24.69	ug/L	#	82
101)	sec-Butylbenzene	7.132	105	495761	26.77	ug/L		100
102)	4-Isopropyltoluene	7.247	119	428983	26.45	ug/L		98
103)	1,3-Dichlorobenzene	7.279	146	228278	25.12	ug/L		99
104)	1,2,3-Trimethylbenzene	7.373	105	428333	25.13	ug/L		100
105)	1,4-Dichlorobenzene	7.347	146	230928	24.32	ug/L		96
106)	n-Butylbenzene	7.561	92	182515	23.09	ug/L		100
107)	Benzyl Chloride	7.524	126	16251	9.47	ug/L		95
108)	1,2-Dichlorobenzene	7.650	146	208440	24.44	ug/L		99
109)	1,2-Dibromo-3-Chloropr...	8.204	75	30207	20.27	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 02:12:31 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

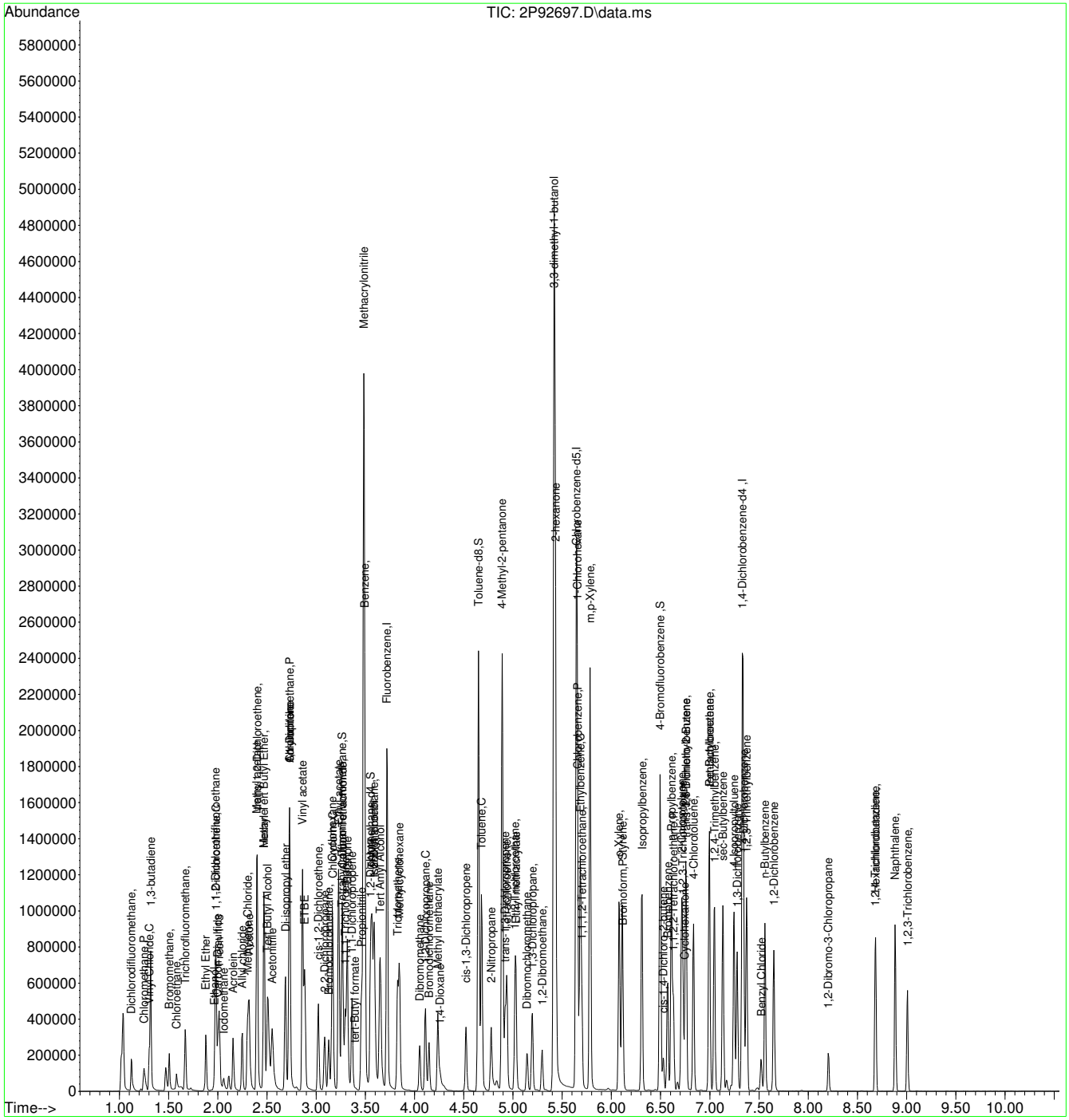
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) Hexachlorobutadiene	8.685	225	38386	25.13	ug/L	97
111) 1,2,4-Trichlorobenzene	8.680	180	106364	23.44	ug/L	98
112) Naphthalene	8.884	128	434408	23.32	ug/L	100
113) 1,2,3-Trichlorobenzene	9.009	180	101126	23.75	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 02:12:31 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: FA98431-6MS
Lab FileID: 2P92697.D
Injection Time: 09/06/22 22:17

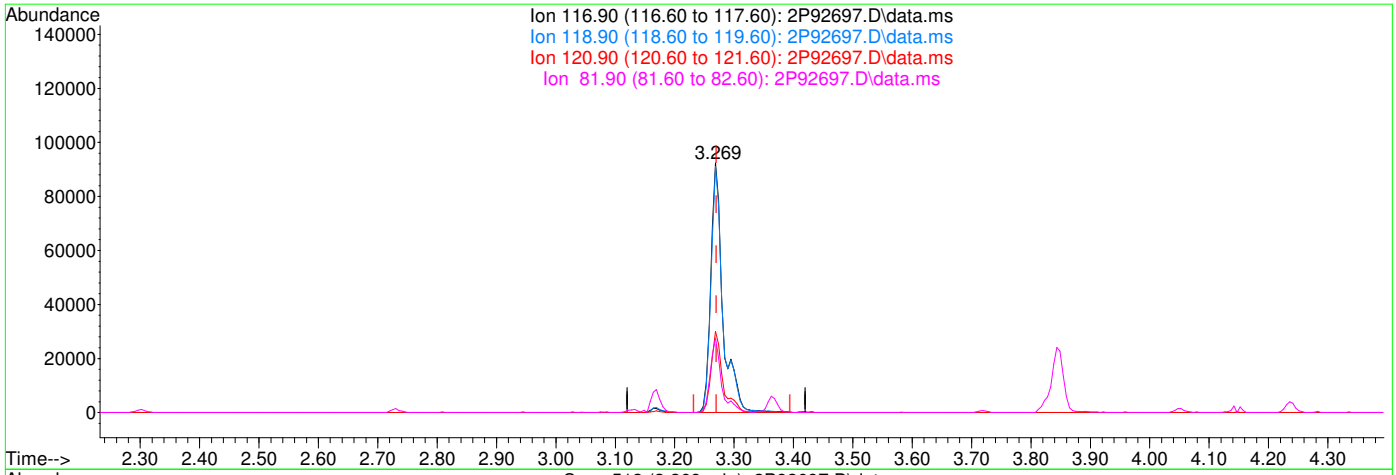
Method: SW846 8260D
Analyst approved: 09/07/22 09:26 Courtney Failla
Supervisor approved: 09/07/22 12:11 Karen Watson

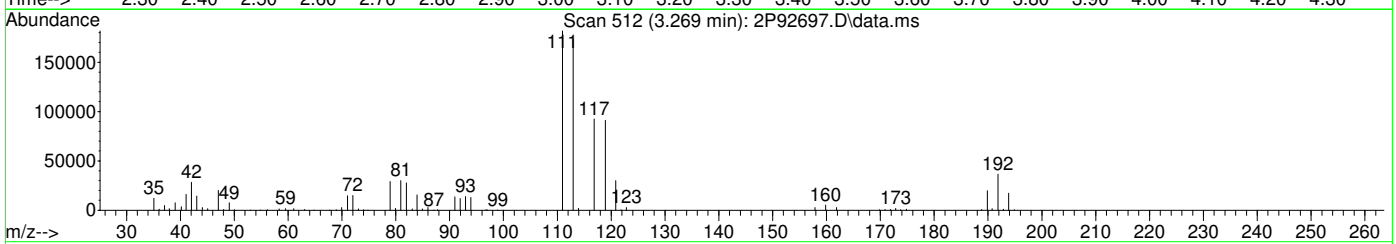
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

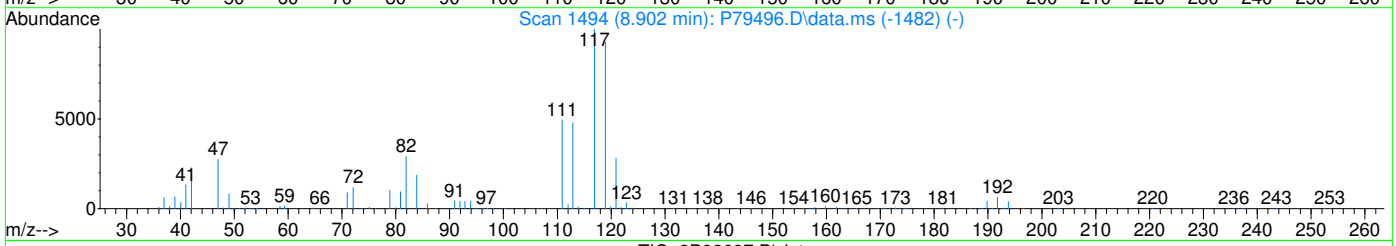
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 01:48:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92697.D\data.ms

(40) Carbon Tetrachloride ( )

3.269min (-0.001) 32.00ug/L

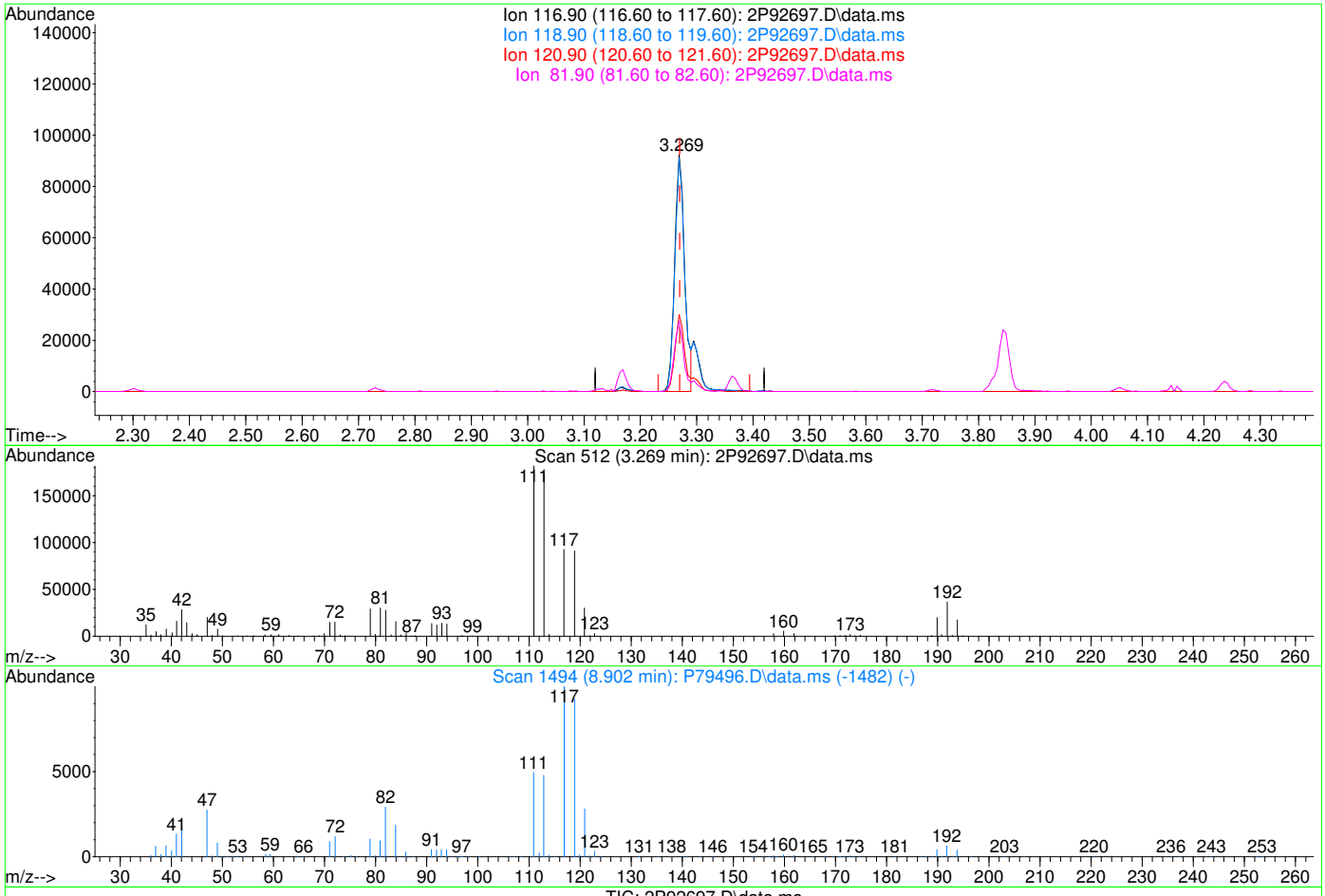
response 133396

Ion	Exp%	Act%
116.90	100	100
118.90	98.00	98.52
120.90	29.50	32.50
81.90	28.30	29.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 01:48:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



TIC: 2P92697.D\data.ms

(40) Carbon Tetrachloride ( )

3.269min (-0.001) 27.80ug/L m

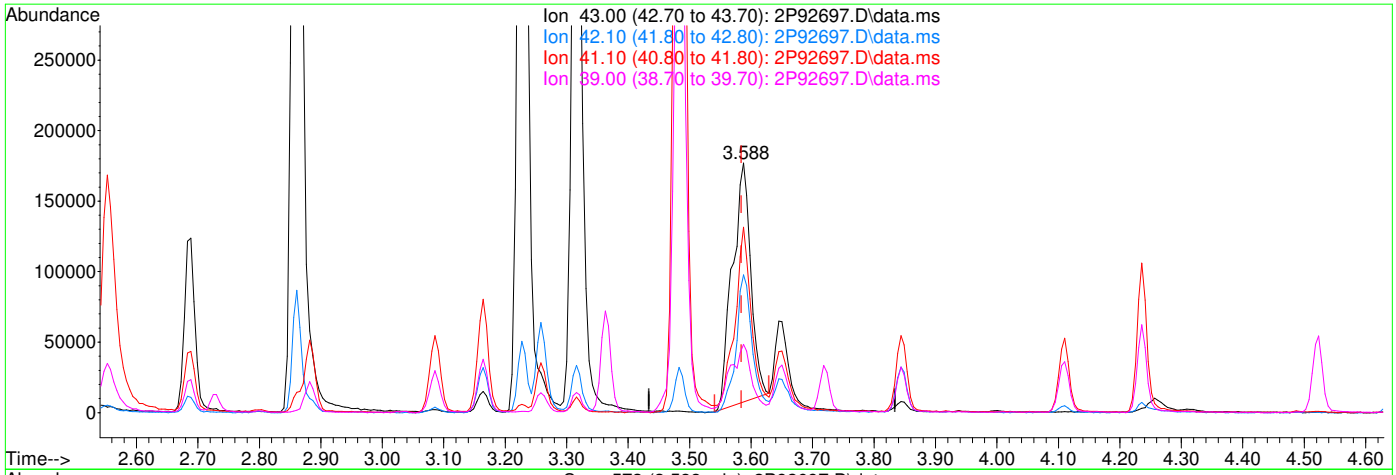
response 114299

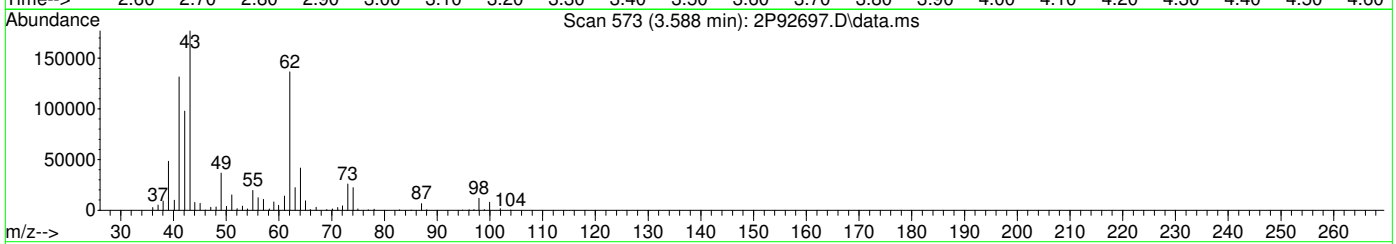
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	98.52
120.90	29.50	32.50
81.90	28.30	29.85

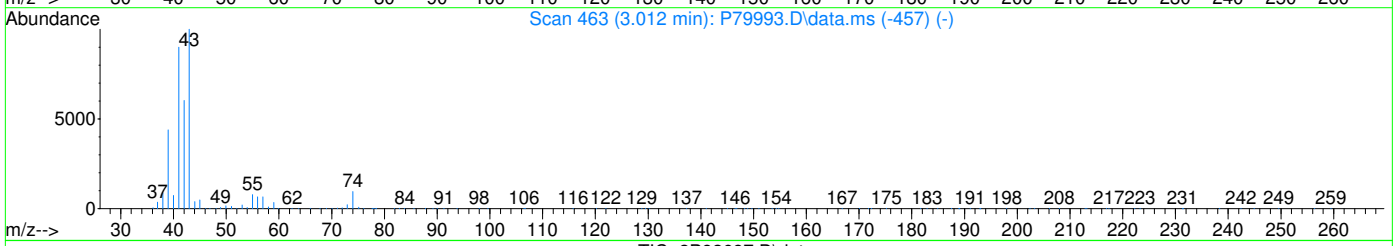
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 01:48:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92697.D\data.ms

(50) Isobutyl alcohol

3.588min (+0.004) 533.13ug/L

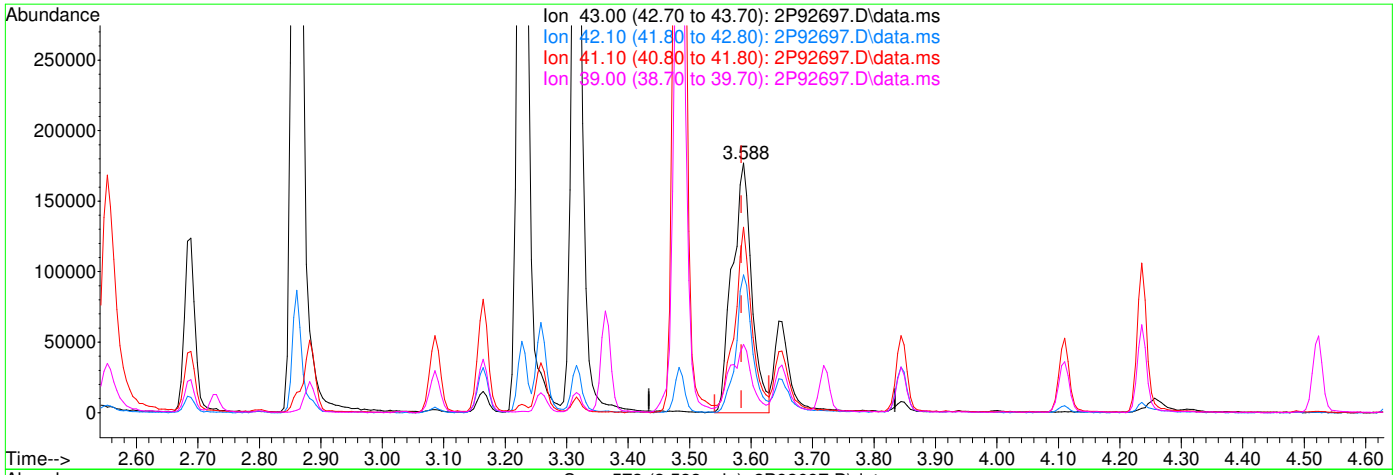
response 354218

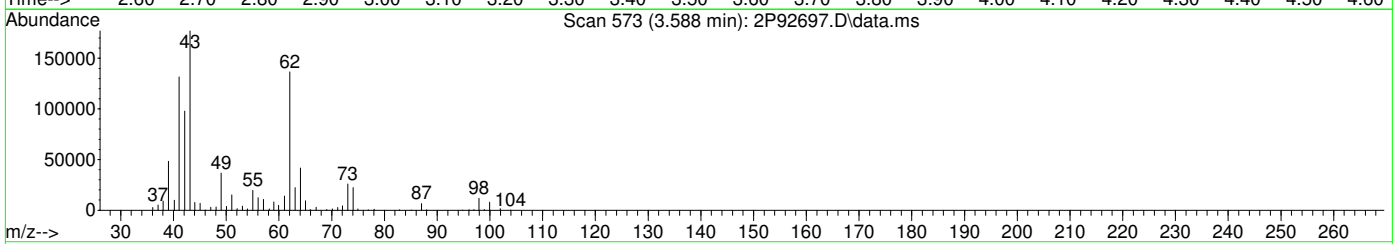
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	55.18
41.10	70.00	71.65
39.00	27.50	25.58

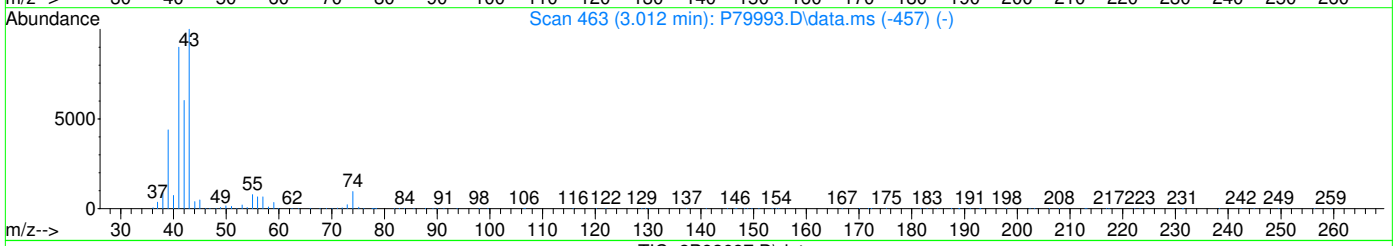
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 01:48:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92697.D\data.ms

(50) Isobutyl alcohol

3.588min (+0.004) 590.05ug/L m

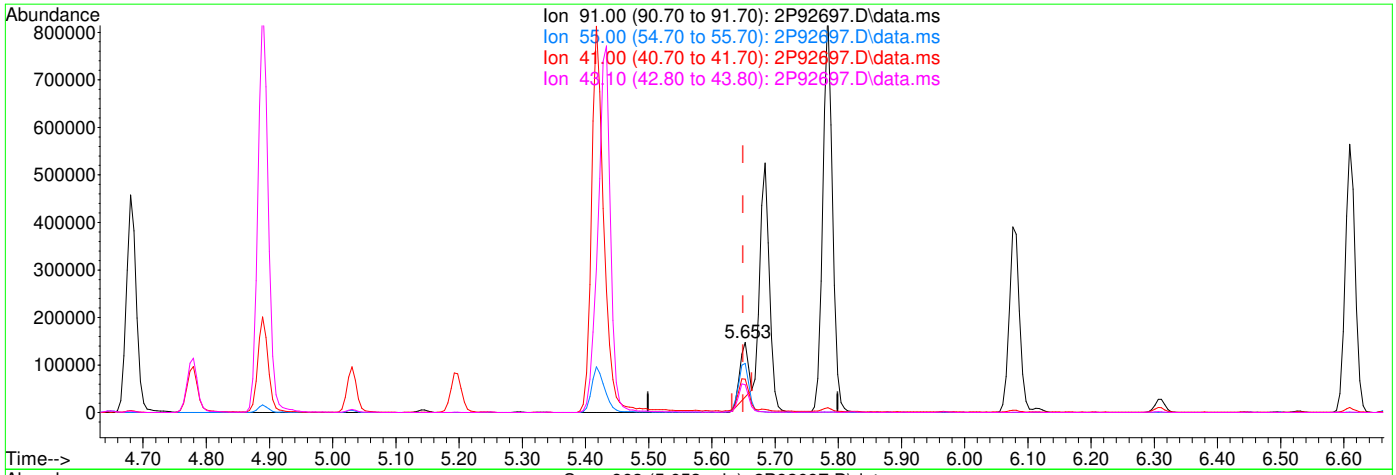
response 392039

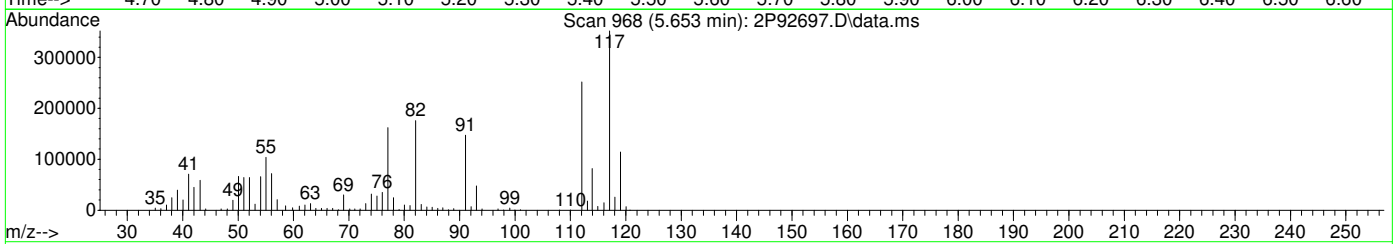
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	55.20
41.10	70.00	74.30
39.00	27.50	27.32

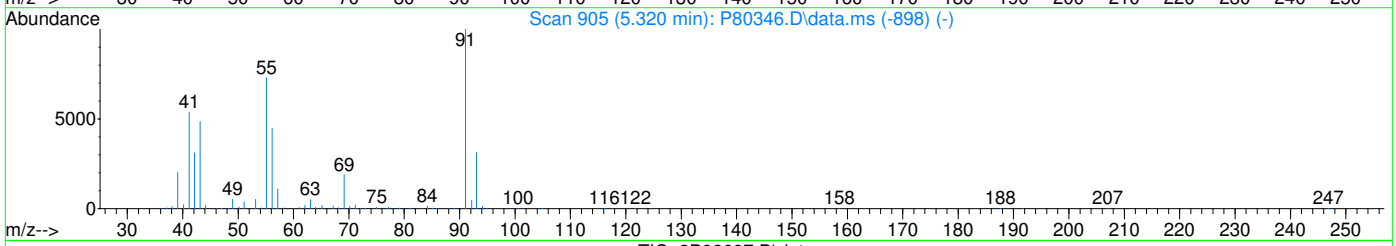
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 01:48:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92697.D\data.ms

(76) 1-Chlorohexane

5.653min (+0.004) 17.23ug/L

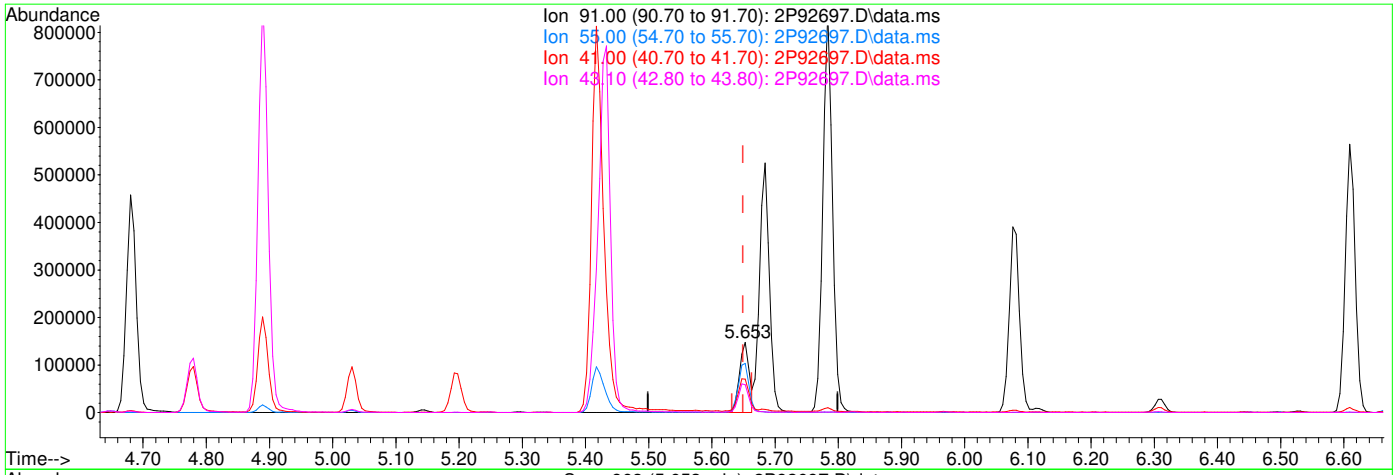
response 109587

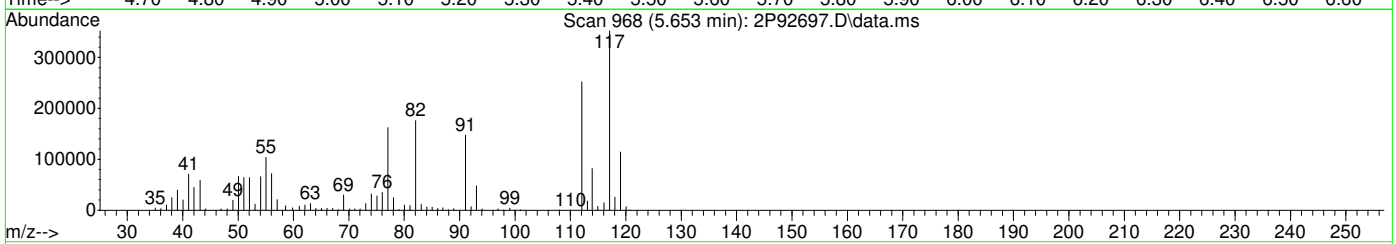
Ion	Exp%	Act%
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55.00	75.60	67.80
41.00	53.40	44.79
43.10	41.30	38.89

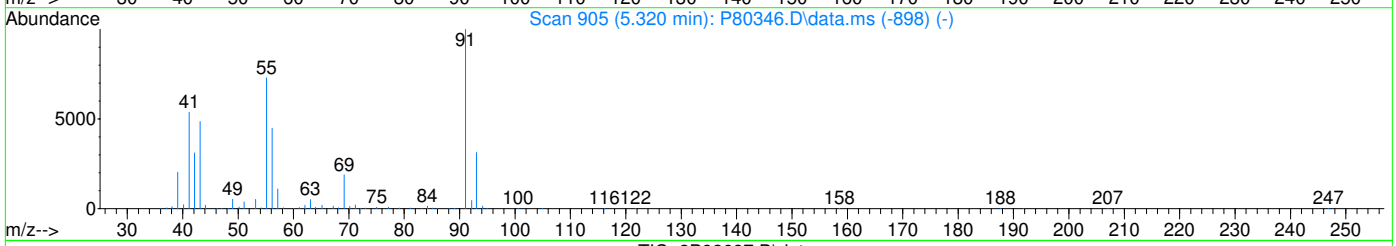
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92697.D
Acq On : 6 Sep 2022 10:17 pm
Operator : courtnef
Sample : FA98431-6MS
Misc : MS52327,V2P3568,,,,,
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Sep 07 01:48:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92697.D\data.ms

(76) 1-Chlorohexane

5.653min (+0.004) 24.79ug/L m

response 157729

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	70.24
41.00	53.40	47.84
43.10	41.30	39.90

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 02:17:06 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.720	96	1091701	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.644	117	868837	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	420430	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.265	113	237720	51.23	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.46%				
49) 1,2-Dichloroethane-d4	3.553	65	321803	49.93	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.86%				
63) Toluene-d8	4.651	98	1093225	45.73	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 91.46%				
86) 4-Bromofluorobenzene	6.496	174	320459	48.87	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.74%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.122	85	109166	36.22	ug/L		100
3) Chloromethane	1.247	50	113794	34.17	ug/L		93
4) 1,3-butadiene	1.315	39	153519	49.61	ug/L		95
5) Vinyl Chloride	1.305	62	140753	34.69	ug/L		99
6) Bromomethane	1.509	94	62918	25.05	ug/L		96
7) Chloroethane	1.582	64	41124	31.09	ug/L		99
8) Trichlorofluoromethane	1.671	101	156516	37.74	ug/L		100
9) Ethyl Ether	1.880	59	101163	26.64	ug/L		99
10) Ethanol	1.969	45	64575	572.58	ug/L		99
11) 1,2-Dichlorotrifluoroe...	1.974	67	122262	34.41	ug/L		97
12) 1,1-Dichloroethene	1.979	61	160899	31.01	ug/L		96
13) Freon 113	2.016	101	97735	30.05	ug/L		97
14) Carbon Disulfide	2.000	76	175247	21.14	ug/L		97
15) Iodomethane	2.058	142	59473	27.27	ug/L		98
16) Acrolein	2.157	56	154932	111.53	ug/L		100
17) Allyl chloride	2.246	41	117519	31.49	ug/L		93
18) Methylene Chloride	2.303	49	138494	24.53	ug/L		96
19) Acetone	2.319	43	353713	141.05	ug/L		99
20) Methyl acetate	2.397	43	658572	129.65	ug/L		99
21) trans-1,2-Dichloroethene	2.403	61	158358	30.12	ug/L		97
22) Hexane	2.471	56	83869	32.54	ug/L		96
23) Methyl Tert Butyl Ether	2.471	73	379873	31.70	ug/L		94
24) Tert Butyl Alcohol	2.507	59	480641	324.34	ug/L		94
25) Acetonitrile	2.554	41	219375	260.98	ug/L		100
26) Di-isopropyl ether	2.685	45	326057	29.31	ug/L		97
27) Chloroprene	2.727	53	569493	35.94	ug/L		90
28) 1,1-Dichloroethane	2.732	63	213760	30.92	ug/L		99
29) Acrylonitrile	2.727	52	373978	149.25	ug/L	#	76
30) ETBE	2.884	59	336621	25.82	ug/L		99
31) Vinyl acetate	2.863	43	1040272	116.03	ug/L		98
32) cis-1,2-Dichloroethene	3.019	96	127855	31.01	ug/L		94
33) 2,2-Dichloropropane	3.087	77	108413	20.82	ug/L		99
34) Bromochloromethane	3.129	128	48934	26.26	ug/L		98
35) Cyclohexane	3.166	56	199929	31.03	ug/L		99
36) Chloroform	3.166	83	203138	29.28	ug/L		99
37) Ethyl acetate	3.229	43	817918	120.62	ug/L		99
38) Tetrahydrofuran	3.260	42	78790	30.43	ug/L		97
40) Carbon Tetrachloride	3.270	117	125512m	29.53	ug/L		
41) 1,1,1-Trichloroethane	3.297	97	176136	29.65	ug/L		98
42) 2-Butanone	3.317	43	603166	142.68	ug/L		99
43) 1,1-Dichloropropene	3.365	75	155170	29.81	ug/L		99
44) tert-Butyl formate	3.396	59	4237	1.65	ug/L	#	37

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 02:17:06 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.459	54	378297	283.46	ug/L		99
46) Methacrylonitrile	3.485	41	1041071	292.02	ug/L		99
47) Benzene	3.495	78	489427	29.46	ug/L		89
48) TAME	3.568	73	400924	33.83	ug/L		95
50) Isobutyl alcohol	3.589	43	394535m	577.87	ug/L		
51) 1,2-Dichloroethane	3.589	62	166753	28.04	ug/L		98
52) Tert Amyl Alcohol	3.647	59	289508	232.85	ug/L		89
53) Trichloroethene	3.825	95	120331	28.14	ug/L		97
54) Methylcyclohexane	3.846	83	184750	32.47	ug/L		99
55) Dibromomethane	4.049	93	63153	26.88	ug/L		96
56) 1,2-Dichloropropane	4.107	63	113184	28.04	ug/L		98
57) Bromodichloromethane	4.149	83	117317	27.25	ug/L		99
58) Methyl methacrylate	4.238	41	122242	27.28	ug/L		97
59) 1,4-Dioxane	4.259	88	73377	578.44	ug/L		99
61) cis-1,3-Dichloropropene	4.520	75	135426	24.41	ug/L		97
64) Toluene	4.682	91	522730	25.48	ug/L		99
65) 2-Nitropropane	4.776	41	120086	81.00	ug/L		97
66) 4-Methyl-2-pentanone	4.891	43	987461	124.79	ug/L		100
67) trans-1,3-Dichloropropene	4.917	75	138787	23.96	ug/L		82
68) Tetrachloroethene	4.938	166	114481	26.28	ug/L		94
69) Ethyl methacrylate	5.032	69	168792	23.64	ug/L		98
70) 1,1,2-Trichloroethane	5.022	83	88545	25.23	ug/L		95
71) Dibromochloromethane	5.142	129	79102	22.48	ug/L		95
72) 1,3-Dichloropropane	5.194	76	179952	23.07	ug/L		98
73) 1,2-Dibromoethane	5.294	107	107192	25.27	ug/L		94
74) 3,3-dimethyl-1-butanol	5.419	57	1762826	1001.33	ug/L		97
75) 2-hexanone	5.430	43	1072016	120.66	ug/L	#	80
76) 1-Chlorohexane	5.649	91	167867m	25.66	ug/L		
77) Ethylbenzene	5.686	91	578303	25.71	ug/L		99
78) Chlorobenzene	5.654	112	314853	25.63	ug/L		99
79) 1,1,1,2-Tetrachloroethane	5.696	131	95890	25.22	ug/L		98
80) m,p-Xylene	5.785	91	914556	51.41	ug/L		99
81) o-Xylene	6.078	91	468968	26.78	ug/L		99
82) Styrene	6.109	104	347894	25.97	ug/L		99
83) Bromoform	6.120	173	39387	21.10	ug/L		98
84) Isopropylbenzene	6.308	105	539143	26.69	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.527	53	27459	12.44	ug/L	#	65
88) n-Propylbenzene	6.611	91	636694	24.68	ug/L		98
89) Bromobenzene	6.569	156	121957	23.38	ug/L		98
90) 1,1,2,2-Tetrachloroethane	6.632	83	167421	24.06	ug/L		99
91) 1,3,5-Trimethylbenzene	6.758	105	429440	23.91	ug/L		100
92) 2-Chlorotoluene	6.716	91	380228	24.42	ug/L		99
93) trans-1,4-Dichloro-2-B...	6.758	53	39203	13.14	ug/L	#	78
94) 1,2,3-Trichloropropane	6.726	110	57444	22.13	ug/L		96
95) Cyclohexanone	6.747	55	58659	107.94	ug/L		97
96) 4-Chlorotoluene	6.836	91	392663	23.93	ug/L		99
97) tert-Butylbenzene	6.993	91	244747	24.82	ug/L		97
99) 1,2,4-Trimethylbenzene	7.045	105	431231	24.62	ug/L		100
100) Pentachloroethane	6.998	167	52577	24.64	ug/L	#	88
101) sec-Butylbenzene	7.134	105	504974	26.44	ug/L		99
102) 4-Isopropyltoluene	7.244	119	442304	26.44	ug/L		100
103) 1,3-Dichlorobenzene	7.280	146	232380	24.80	ug/L		100
104) 1,2,3-Trimethylbenzene	7.374	105	440837	25.09	ug/L		99
105) 1,4-Dichlorobenzene	7.343	146	233097	23.81	ug/L		98
106) n-Butylbenzene	7.563	92	191389	23.46	ug/L		96
107) Benzyl Chloride	7.521	126	16398	9.29	ug/L	#	77
108) 1,2-Dichlorobenzene	7.652	146	212542	24.17	ug/L		97
109) 1,2-Dibromo-3-Chloropr...	8.206	75	31555	20.51	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 02:17:06 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

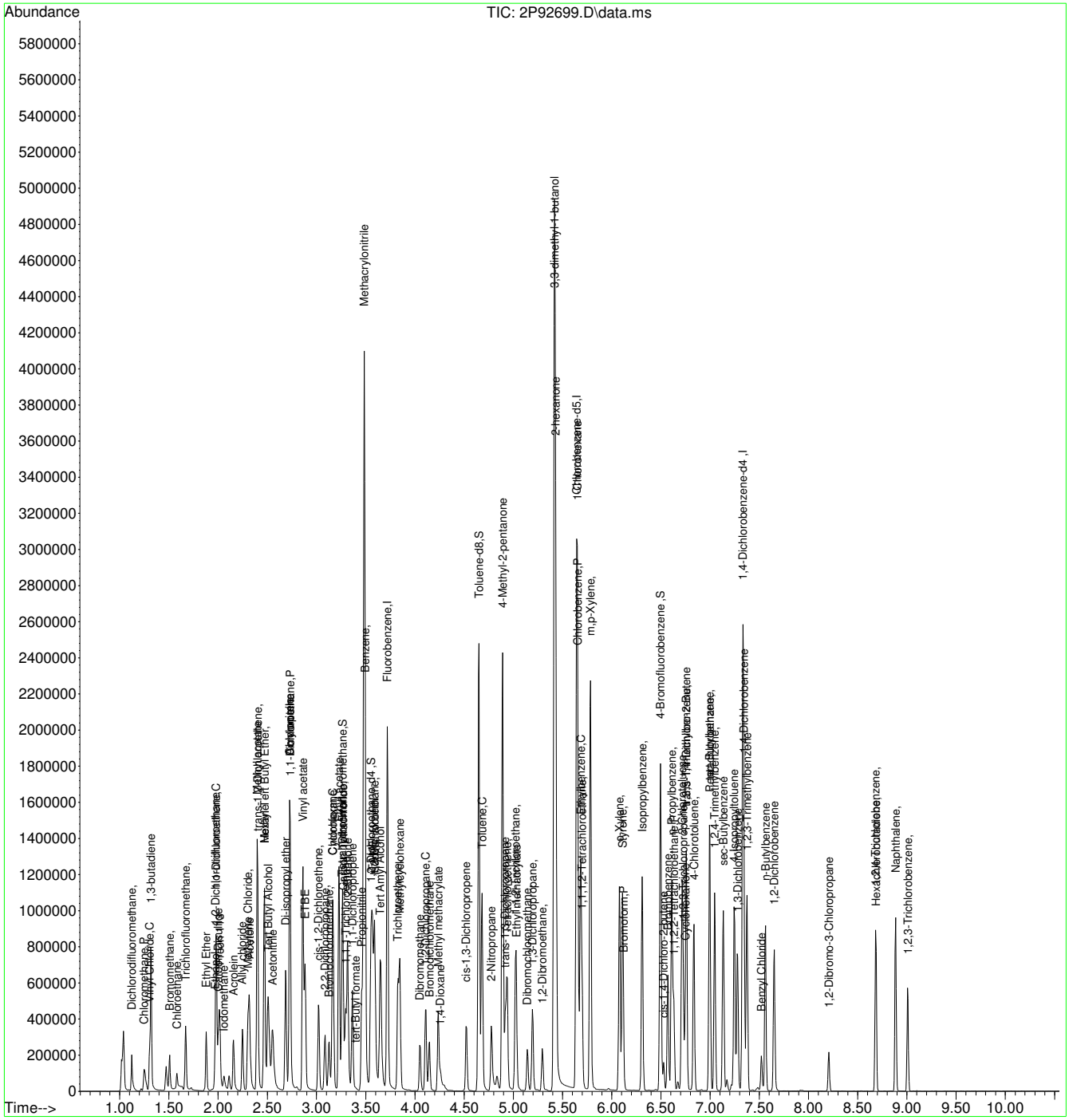
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) Hexachlorobutadiene	8.687	225	39573	25.12	ug/L	97
111) 1,2,4-Trichlorobenzene	8.681	180	110664	23.66	ug/L	99
112) Naphthalene	8.885	128	450248	23.44	ug/L	100
113) 1,2,3-Trichlorobenzene	9.011	180	105664	24.06	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
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Quant Time: Sep 07 02:17:06 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

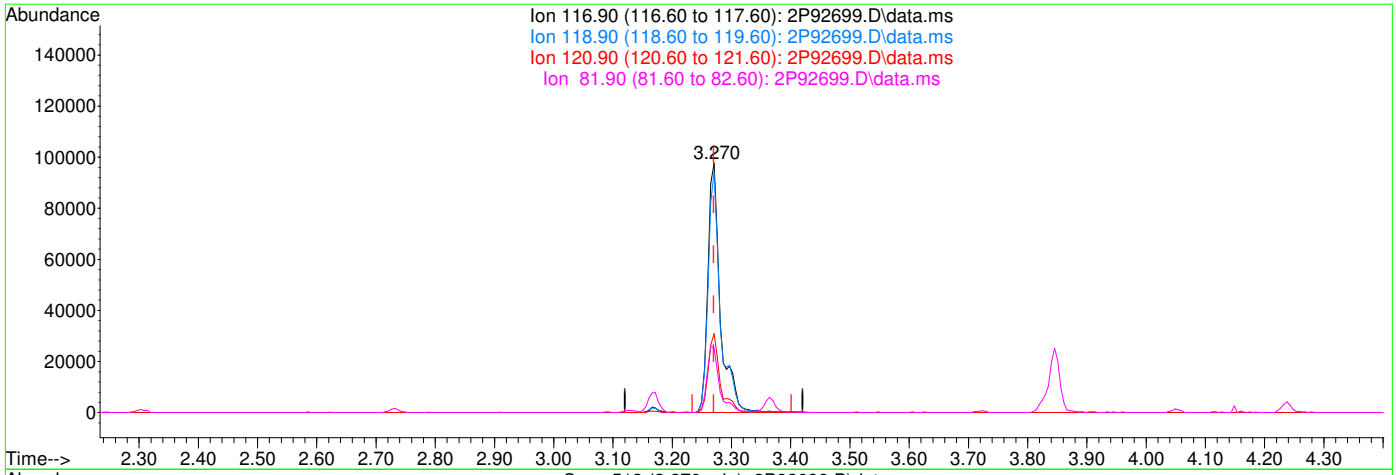
Sample Number: FA98431-6MSD
Lab FileID: 2P92699.D
Injection Time: 09/06/22 22:49
Method: SW846 8260D
Analyst approved: 09/07/22 09:26 Courtney Failla
Supervisor approved: 09/07/22 12:11 Karen Watson

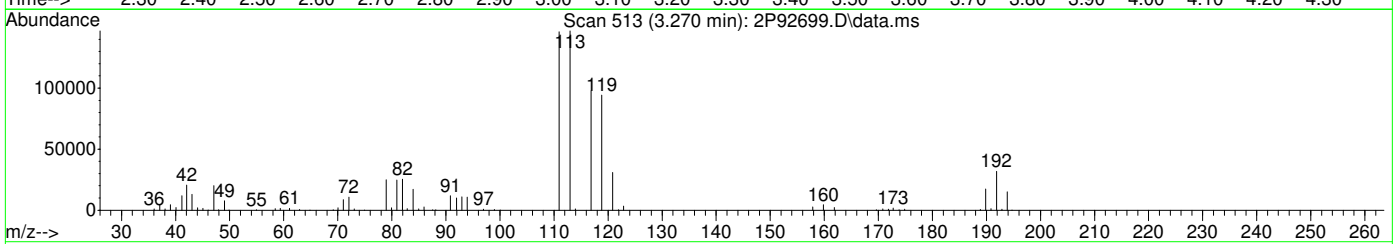
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

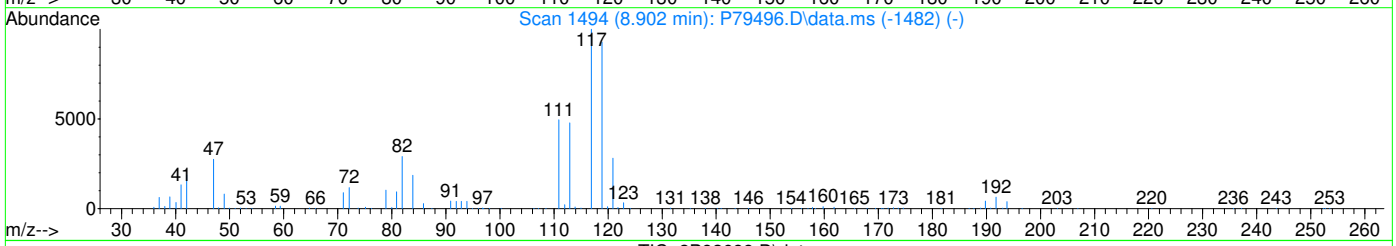
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 01:48:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92699.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (+0.000) 33.34ug/L

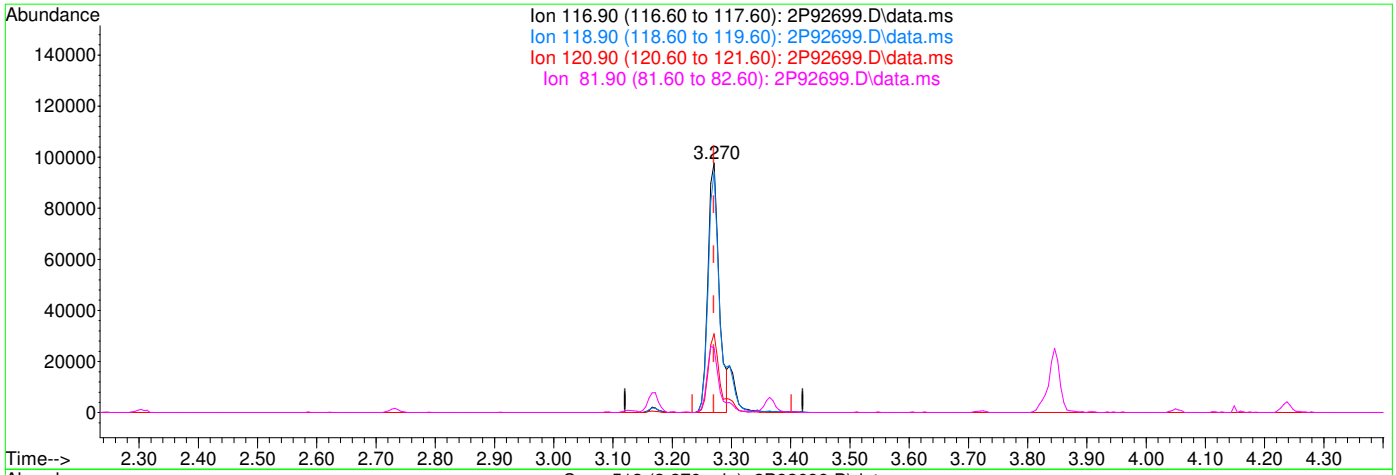
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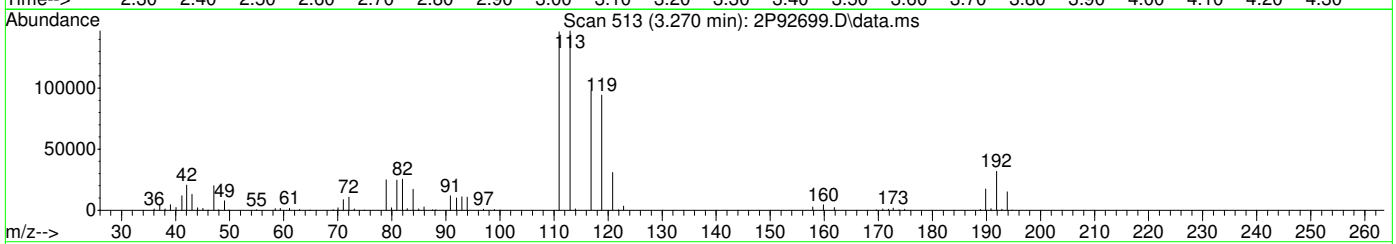
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	96.36
120.90	29.50	31.60
81.90	28.30	25.85

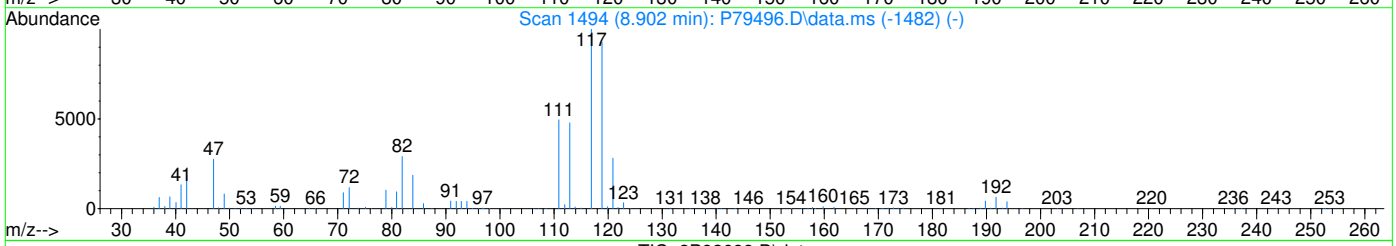
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 01:48:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92699.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (+0.000) 29.53ug/L m

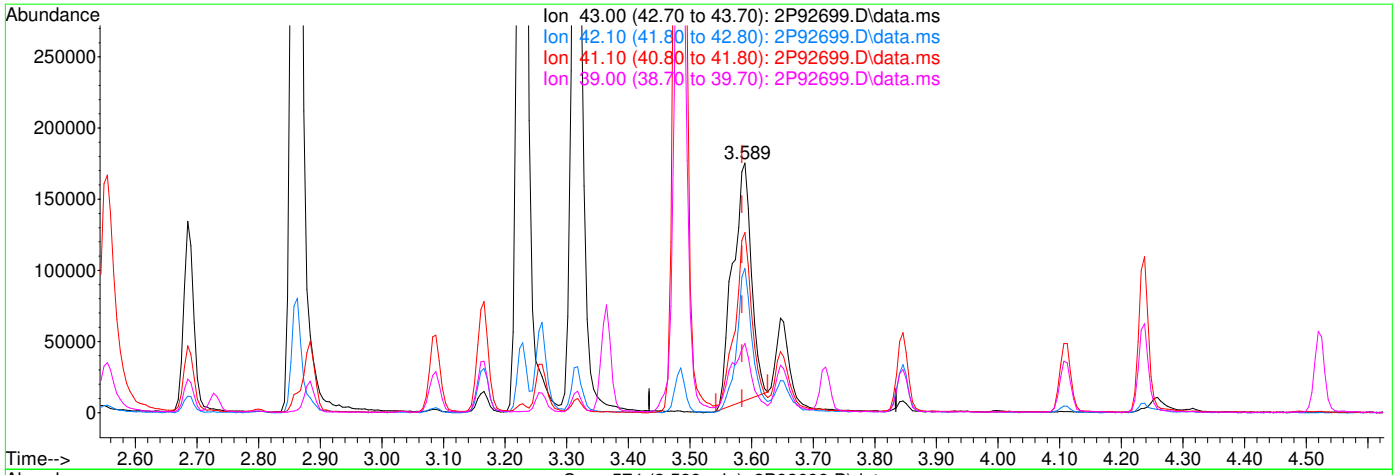
response 125512

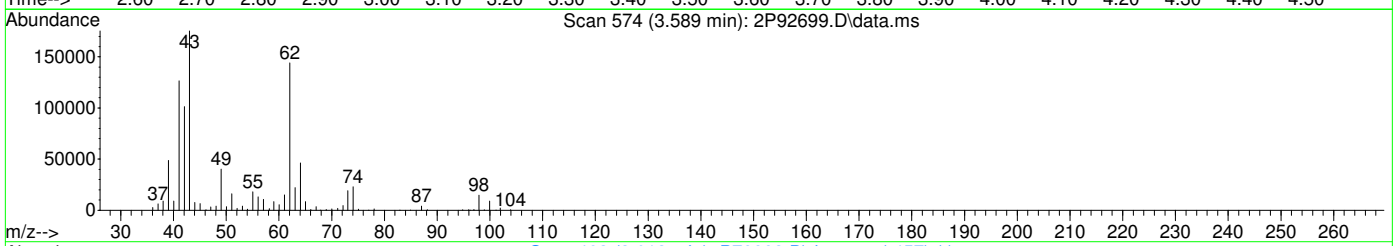
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	96.36
120.90	29.50	31.60
81.90	28.30	25.85

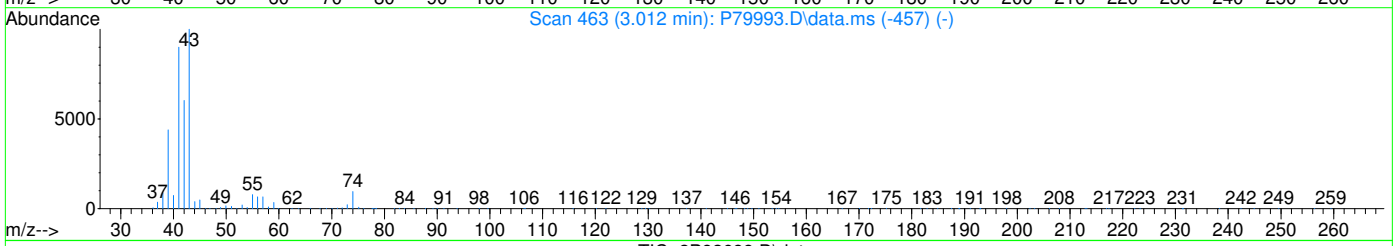
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 01:48:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92699.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 522.05ug/L

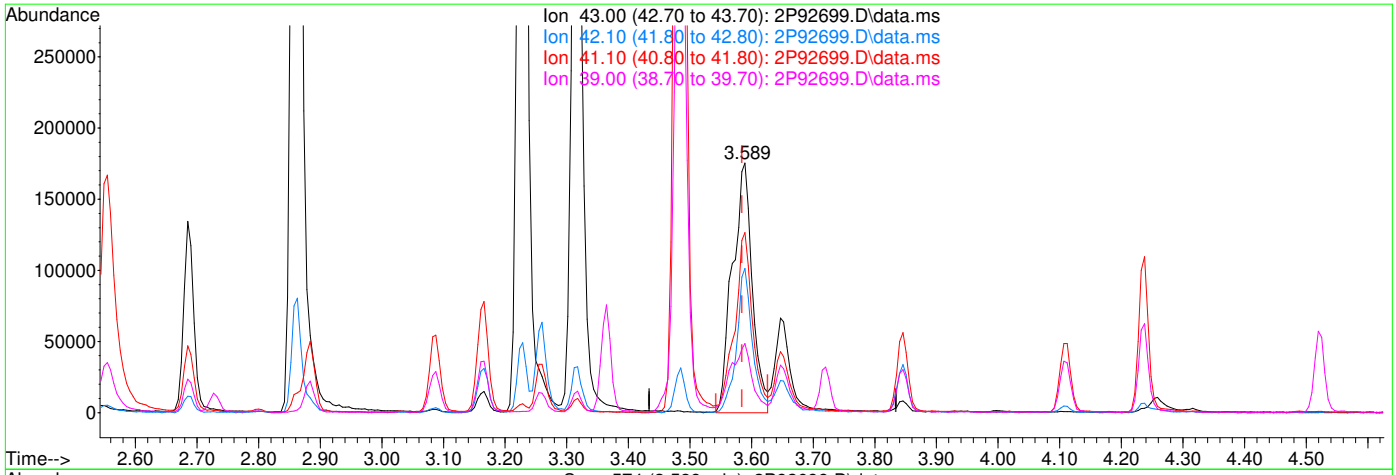
response 356424

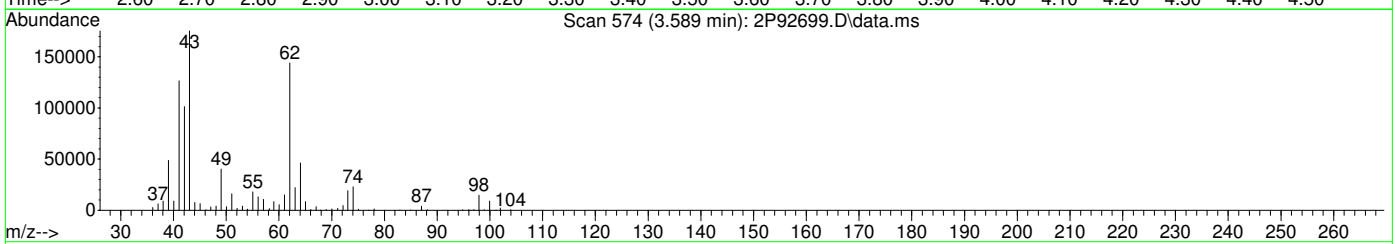
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.80
41.10	70.00	69.66
39.00	27.50	25.71

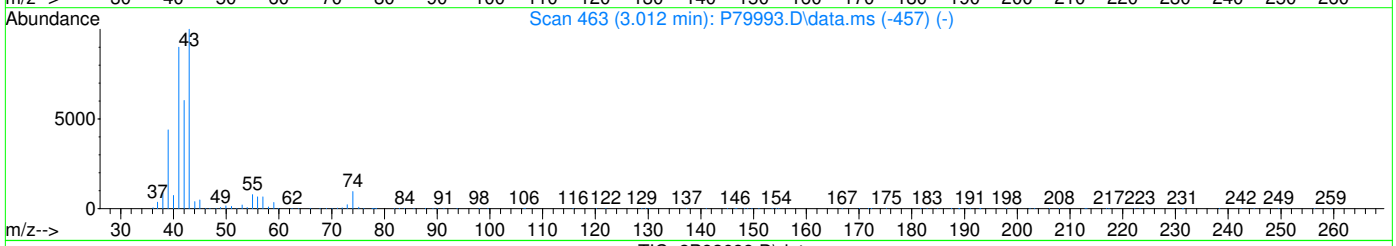
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 01:48:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92699.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 577.87ug/L m

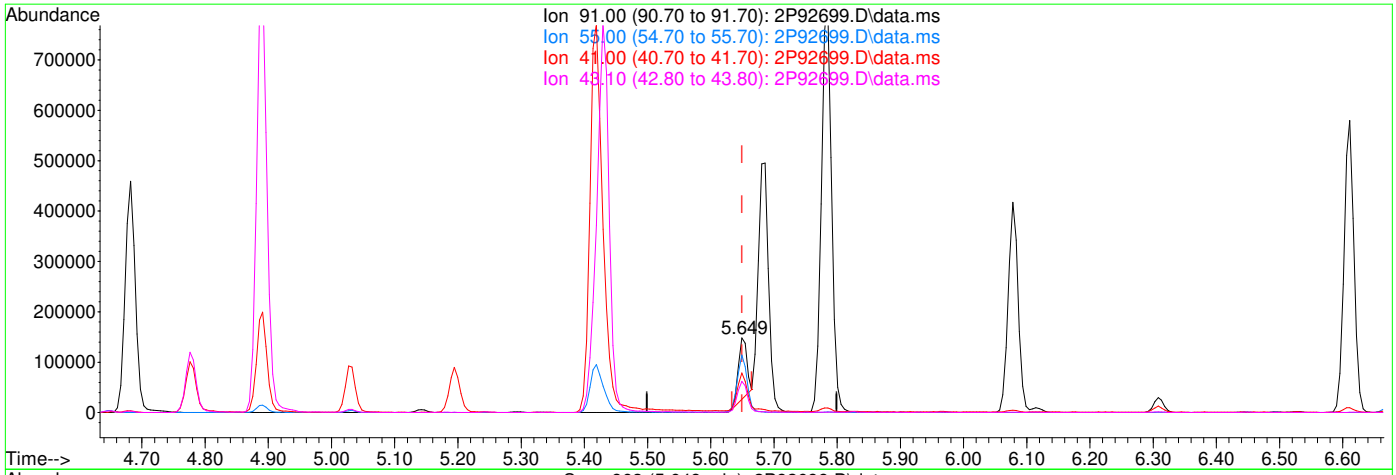
response 394535

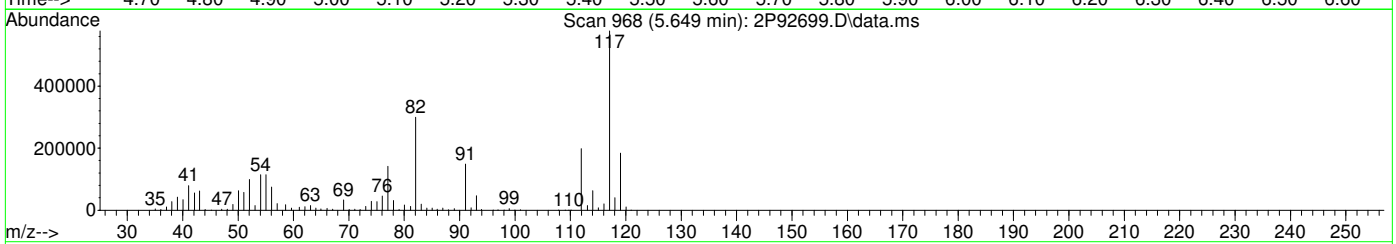
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.75
41.10	70.00	72.13
39.00	27.50	27.72

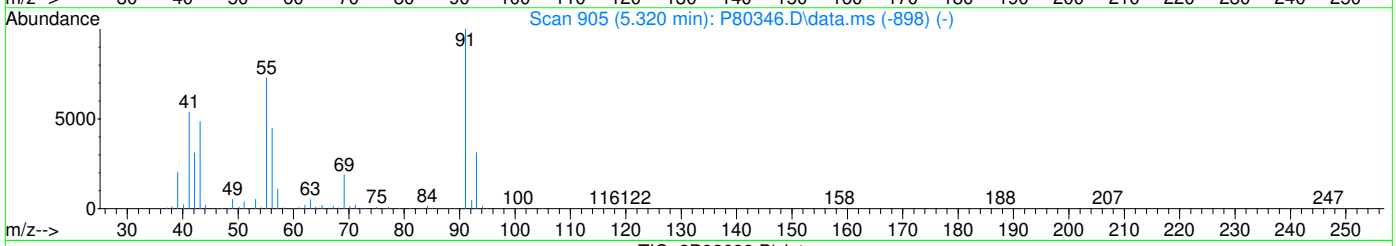
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 01:48:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92699.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 18.04ug/L

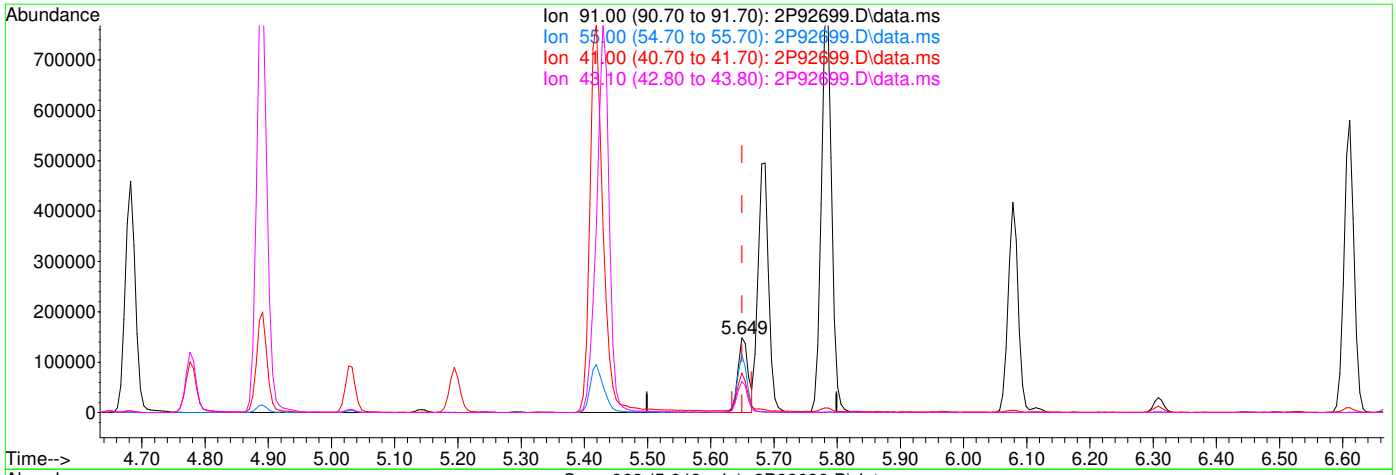
response 118022

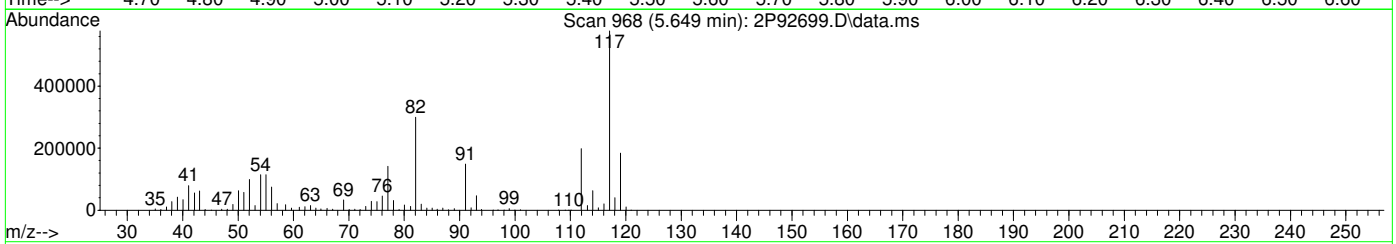
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	73.42
41.00	53.40	49.77
43.10	41.30	40.66

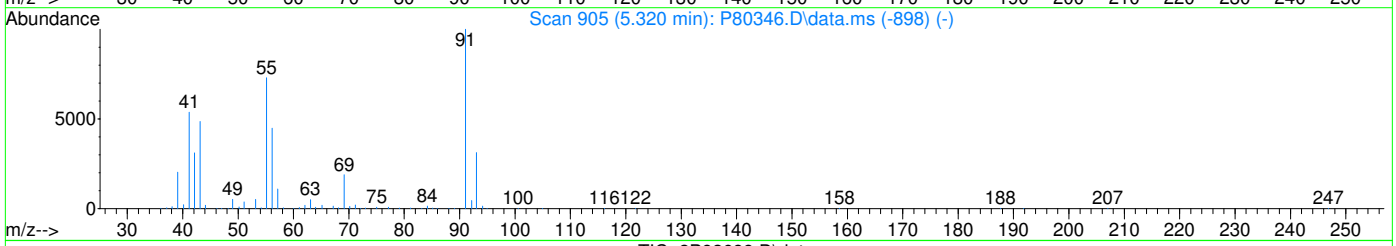
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92699.D
Acq On : 6 Sep 2022 10:49 pm
Operator : courtnef
Sample : FA98431-6MSD
Misc : MS52327,V2P3568,,,,,
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Sep 07 01:48:07 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92699.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 25.66ug/L m

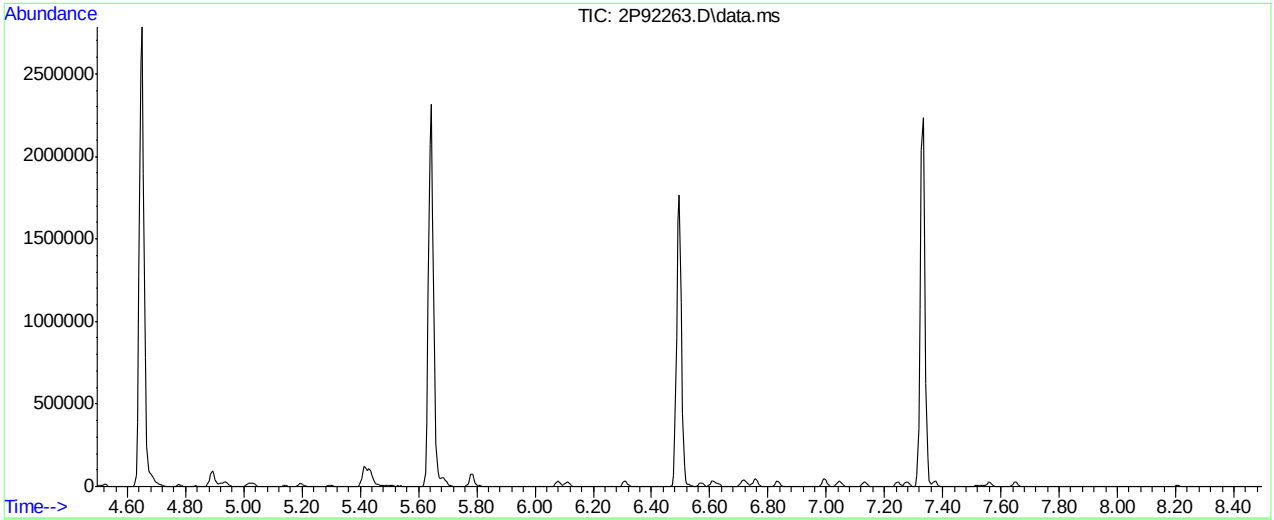
response 167867

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	77.00
41.00	53.40	53.08
43.10	41.30	41.73

Methods: SW-846 8260B

```
Data File : C:\msdchem\1\DATA\2022-08-24\2P92263.D       Vial: 52
Acq On    : 24 Aug 2022   9:50 am                    Operator: courtnef
Sample    : BFB                                     Inst    : MSVOA13
Misc      : MS52204,V2P3560,,,,,                    Multiplr: 1.00
MS Integration Params: big.p

Method    : C:\msdchem\1\MET...V2P_2022-08-24.M (RTE Integrator)
Title     : SW-846 Method 5035A/8260B
```



AutoFind: Scans 1129, 1130, 1131; Background Corrected with Scan 1121

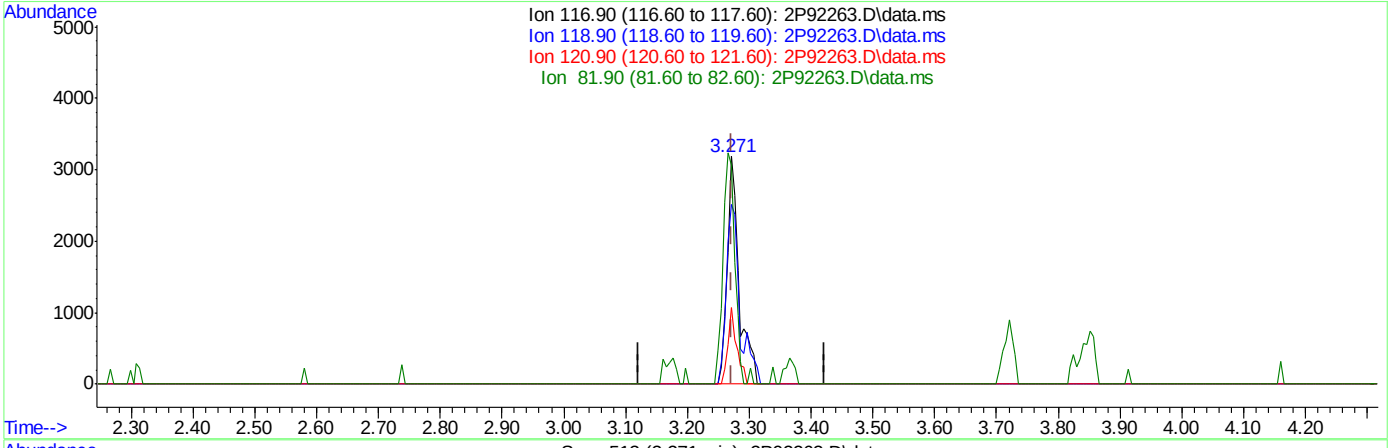
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	60128	PASS
75	95	30	60	49.4	160765	PASS
95	95	100	100	100.0	325269	PASS
96	95	5	9	6.5	21171	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	73.5	238912	PASS
175	174	5	9	7.7	18335	PASS
176	174	95	101	96.7	231146	PASS
177	176	5	9	6.6	15221	PASS

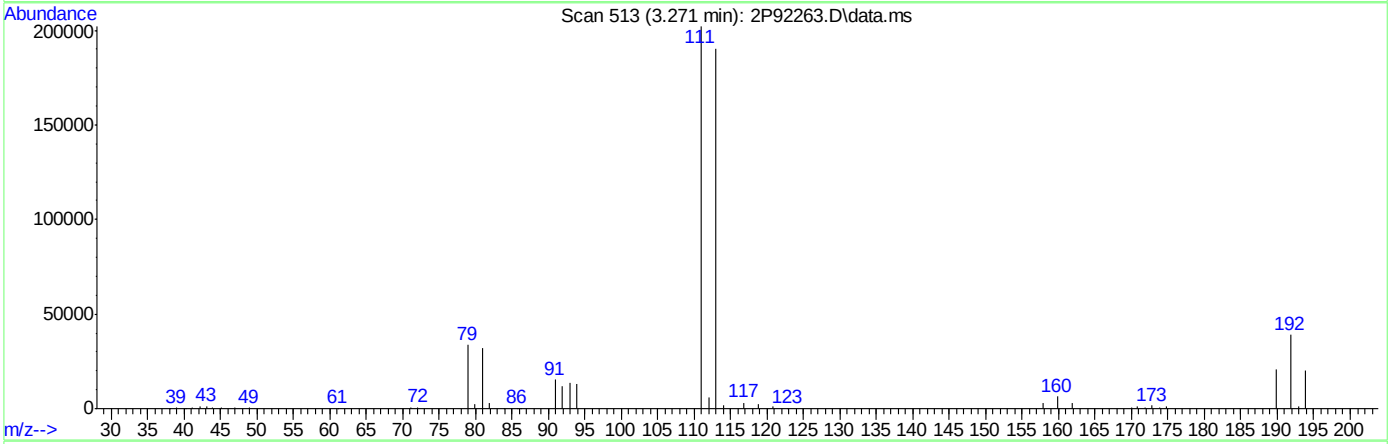
2P92263.D V2P_2022-08-24.M Wed Aug 24 10:08:43 2022

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (-0.001) 0.79ug/L

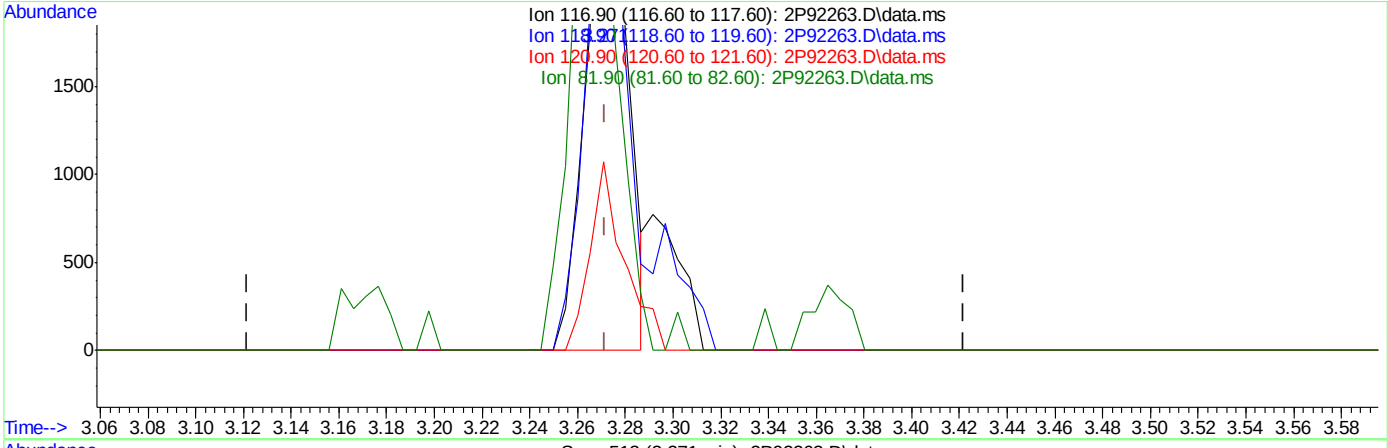
response 4233

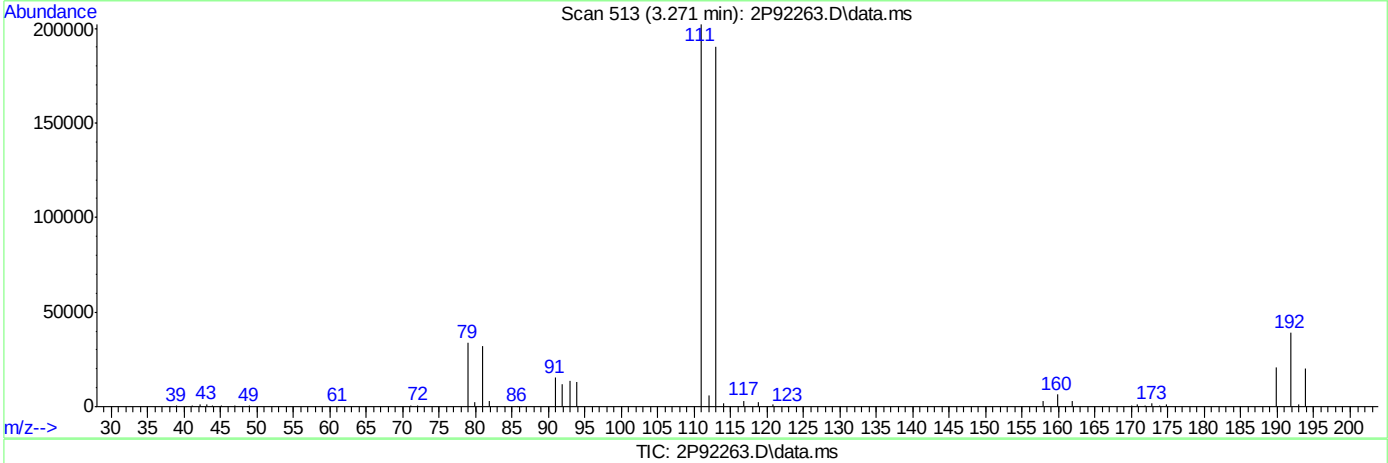
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	79.20
120.90	30.80	33.62
81.90	30.00	96.42#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (-0.001) 0.65ug/L m

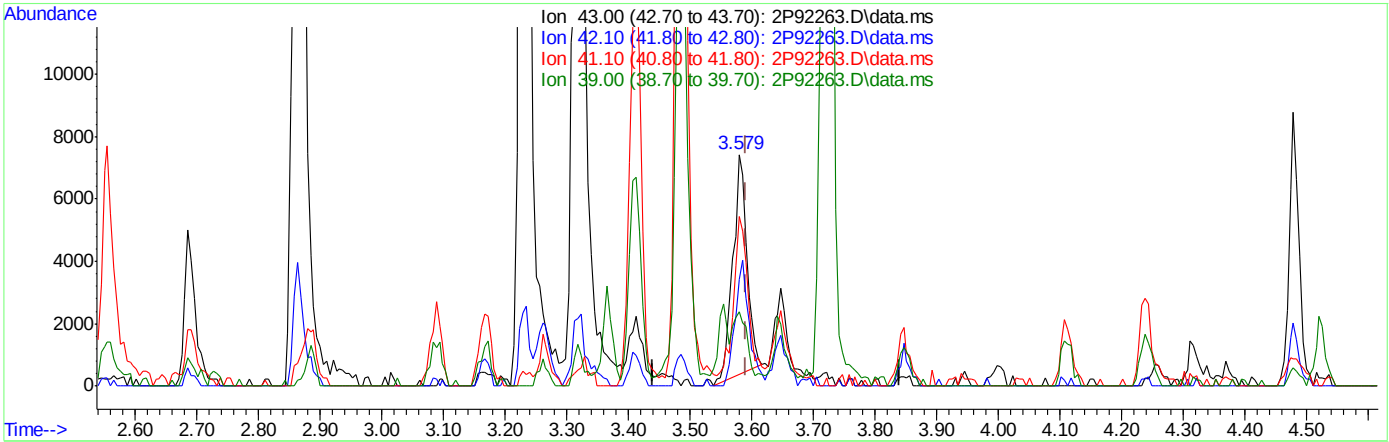
response 3481

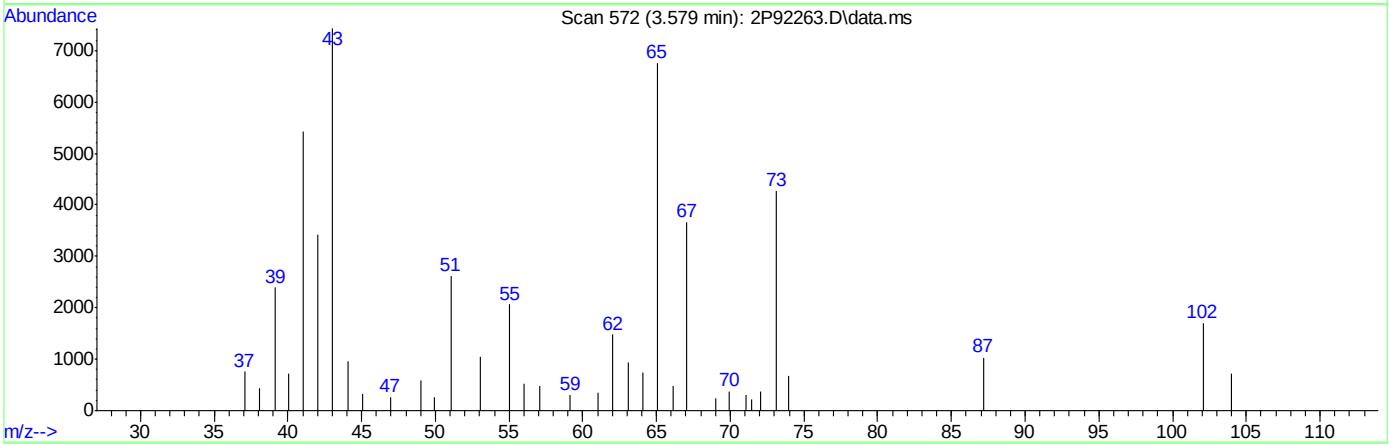
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	79.20
120.90	30.80	33.62
81.90	30.00	96.42#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(50) Isobutyl alcohol

3.579min (-0.012) 8.01ug/L

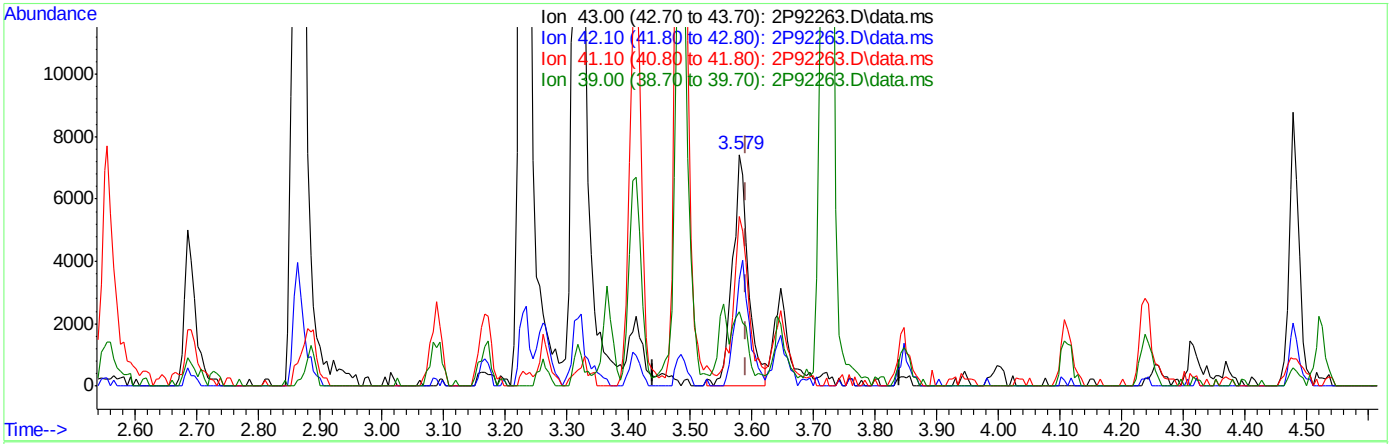
response 11164

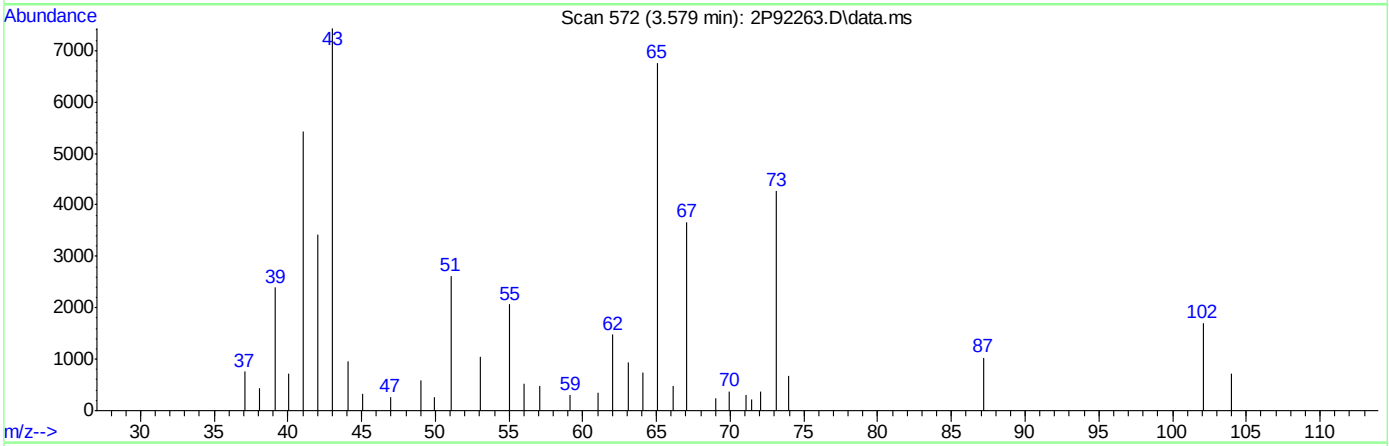
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	45.96
41.10	72.70	68.24
39.00	28.00	27.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(50) Isobutyl alcohol

3.579min (-0.012) 9.38ug/L m

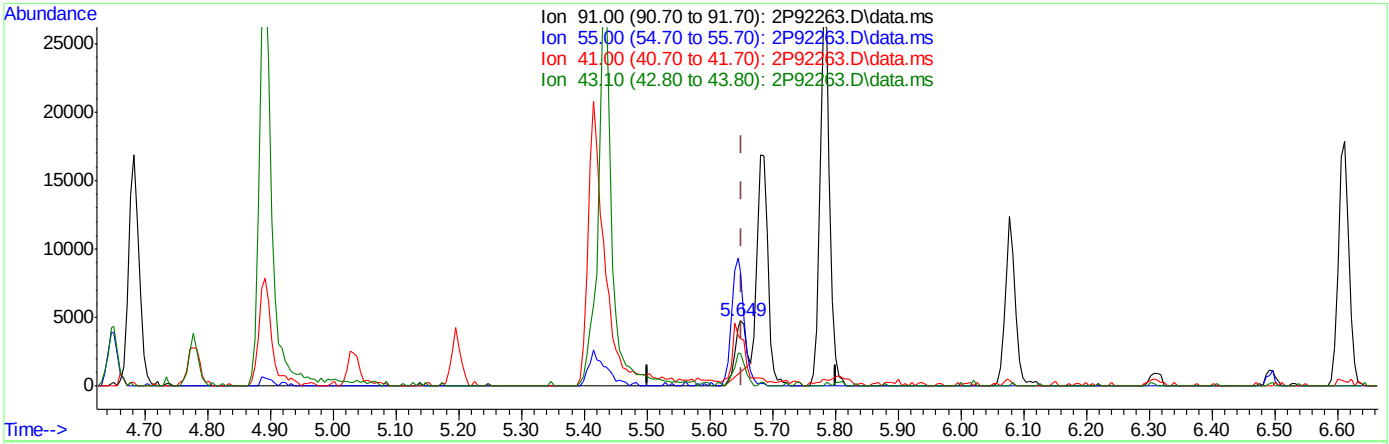
response 13077

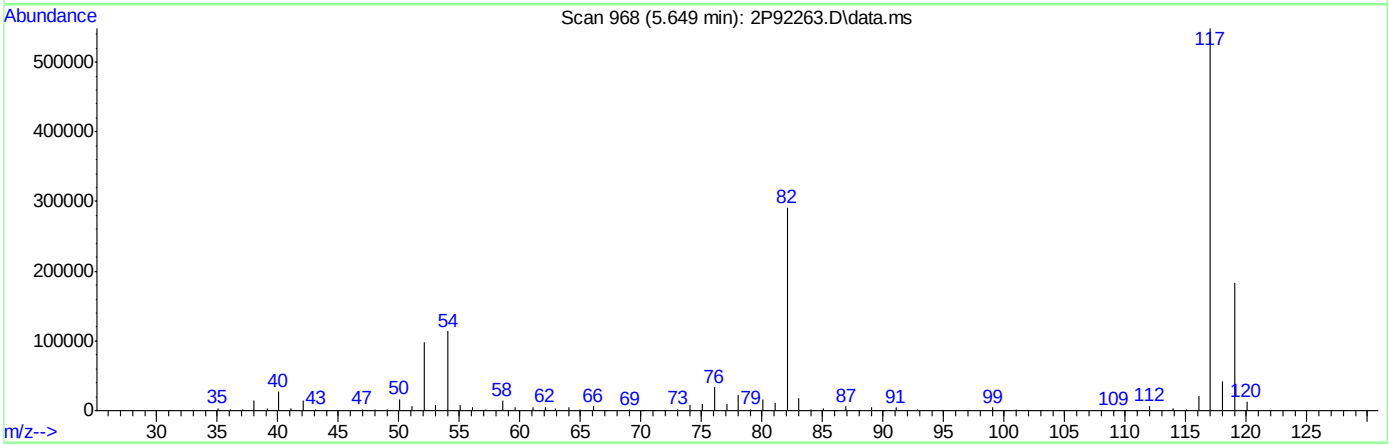
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	45.96
41.10	72.70	73.04
39.00	28.00	32.25

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 0.69ug/L

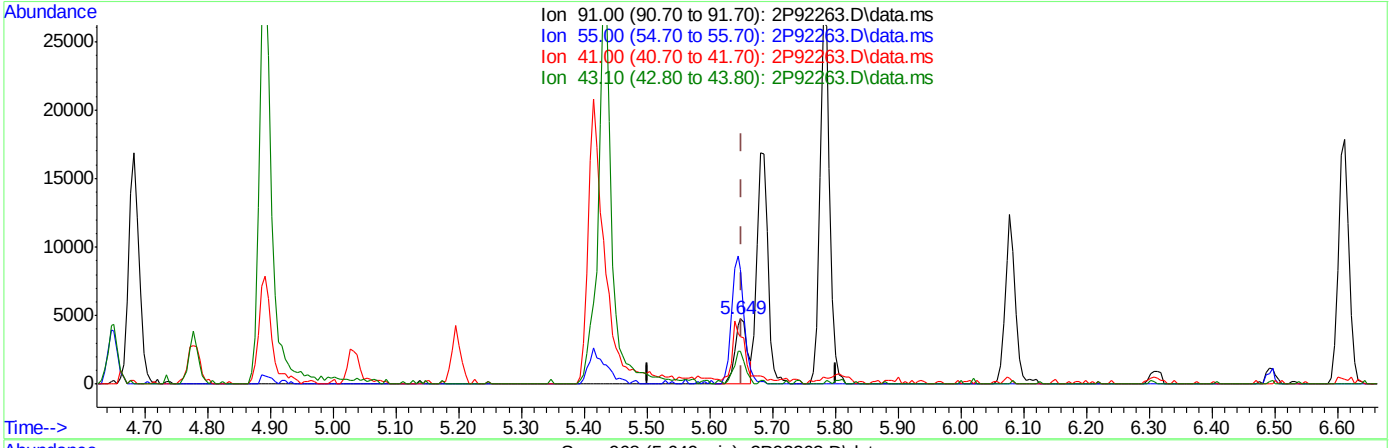
response 4594

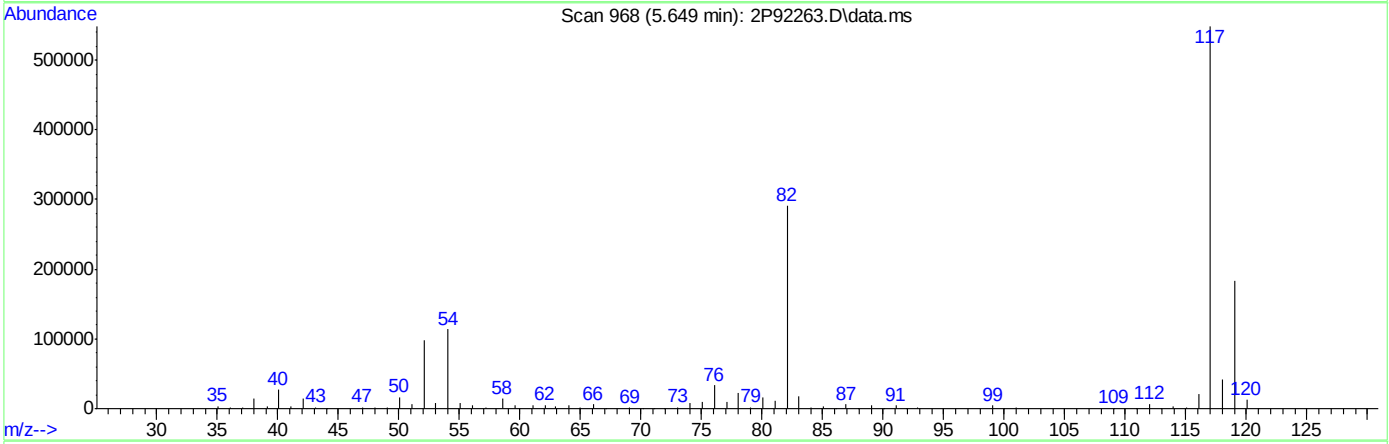
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	164.44#
41.00	83.00	62.38#
43.10	65.60	49.71

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 1.00ug/L m

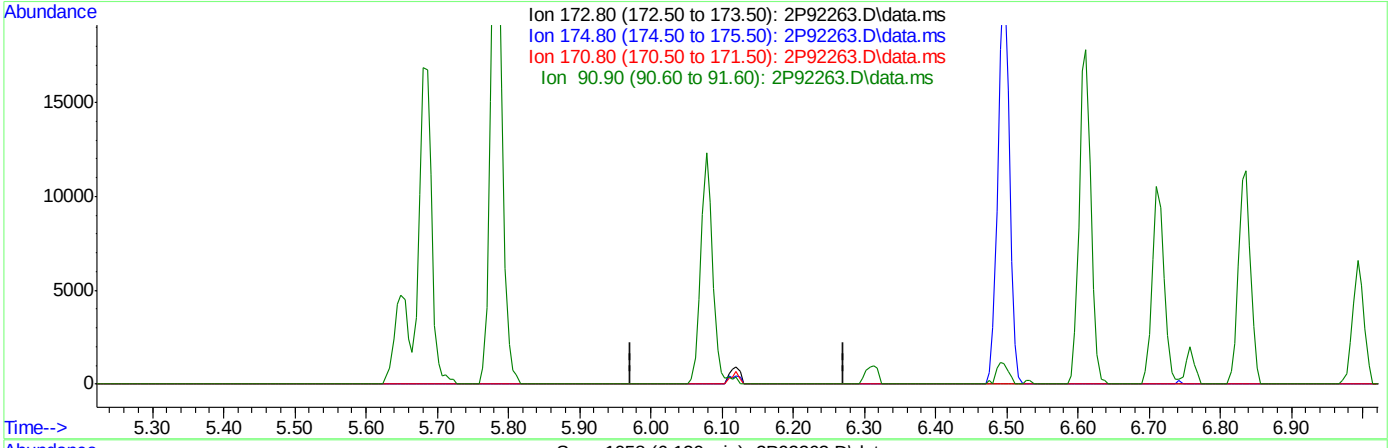
response 6715

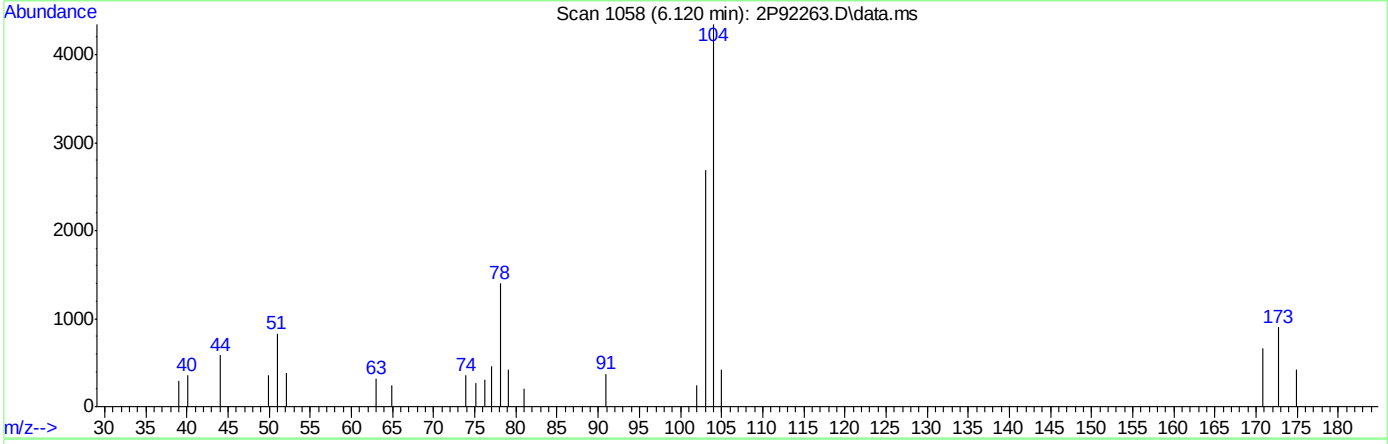
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	176.32#
41.00	83.00	73.01
43.10	65.60	49.71

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(83) Bromoform (P)

6.122min (-6.122) 0.00ug/L

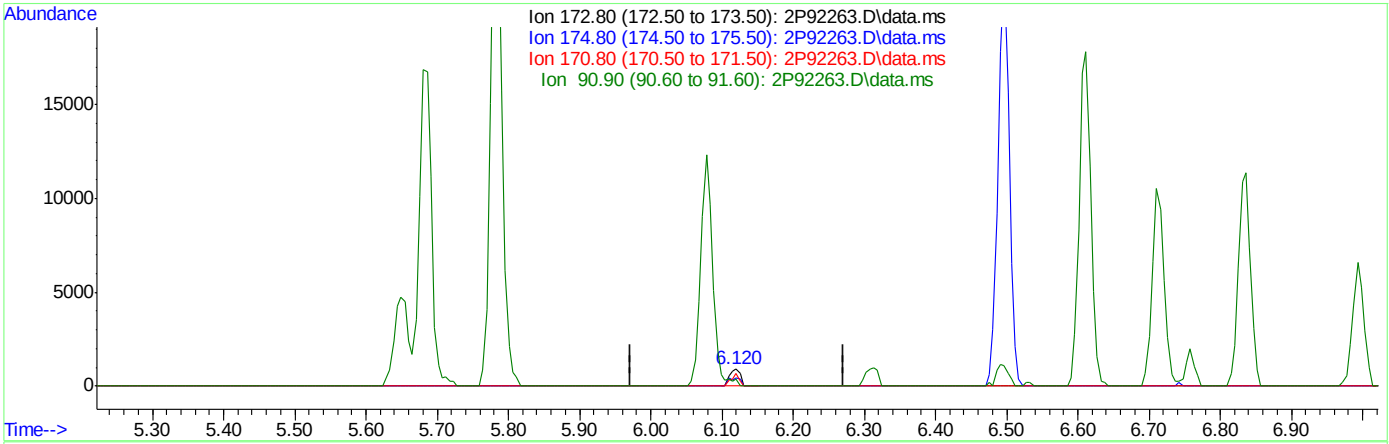
response 0

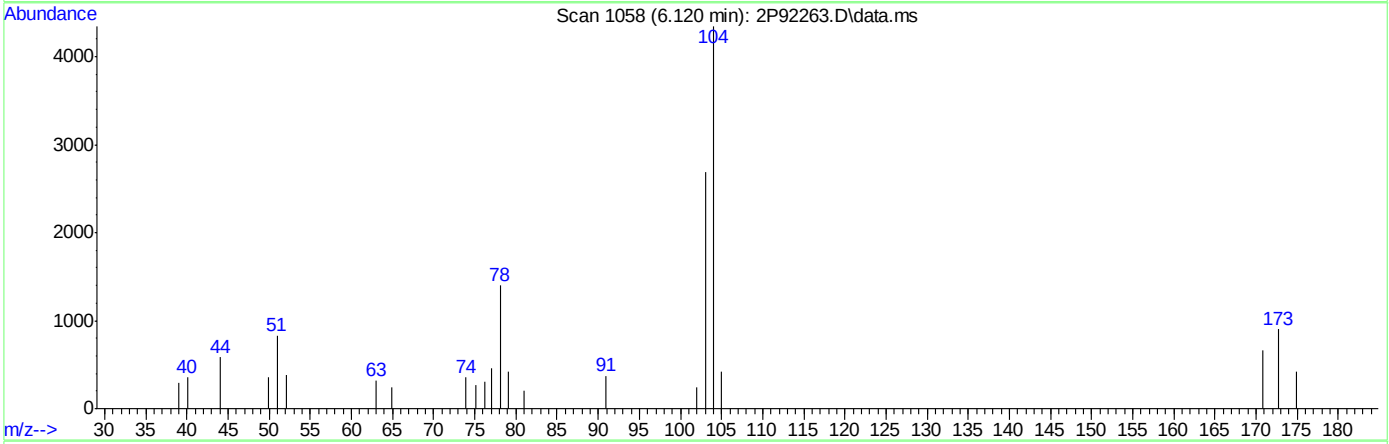
Ion	Exp%	Act%
172.80	100	0.00
174.80	46.40	0.00#
170.80	50.50	0.00#
90.90	21.40	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(83) Bromoform (P)

6.120min (-0.002) 0.54ug/L m

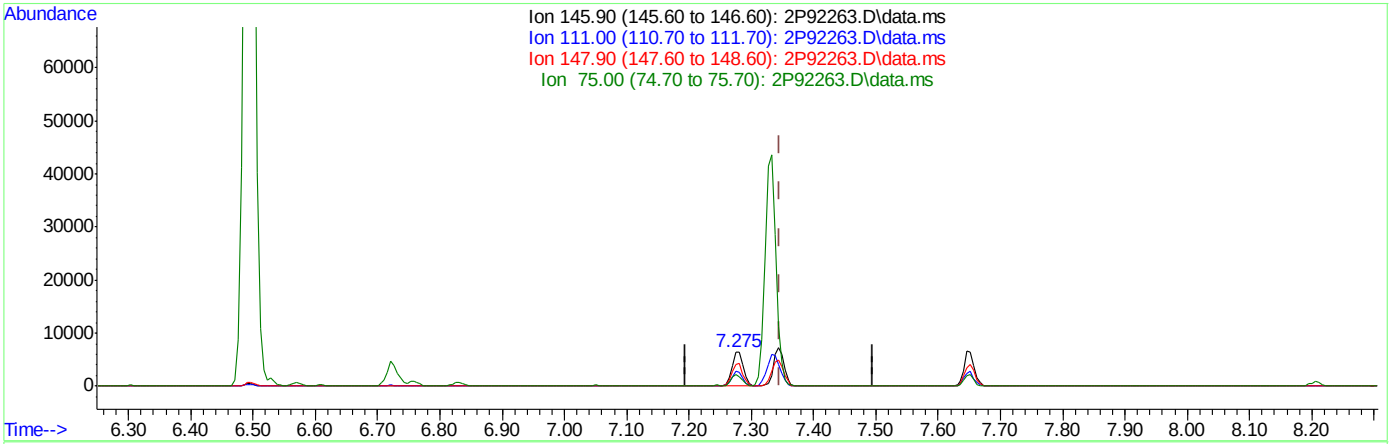
response 935

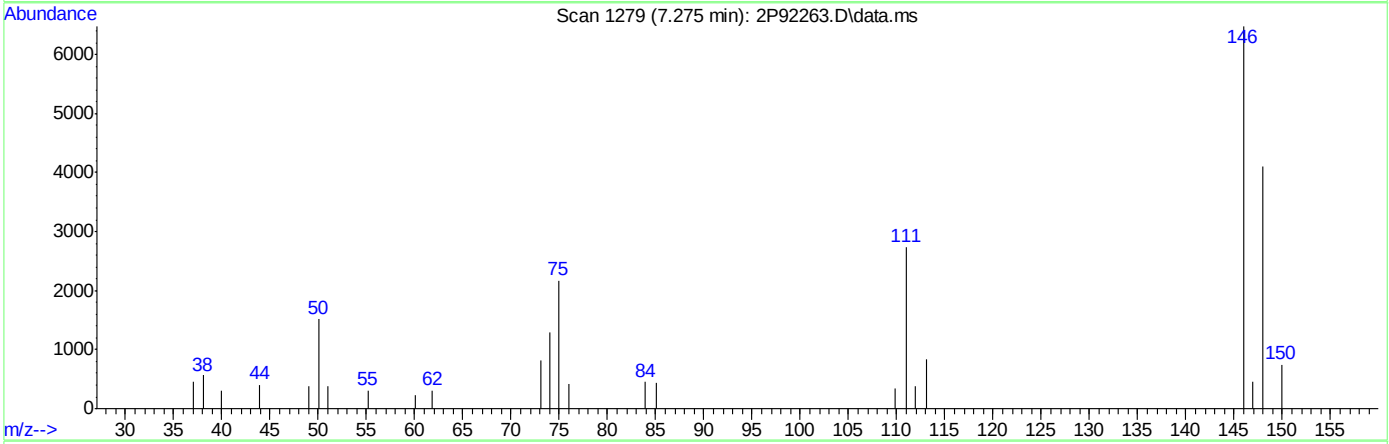
Ion	Exp%	Act%
172.80	100	100
174.80	46.40	47.28
170.80	50.50	73.03
90.90	21.40	41.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(105) 1,4-Dichlorobenzene

7.275min (-0.071) 0.87ug/L

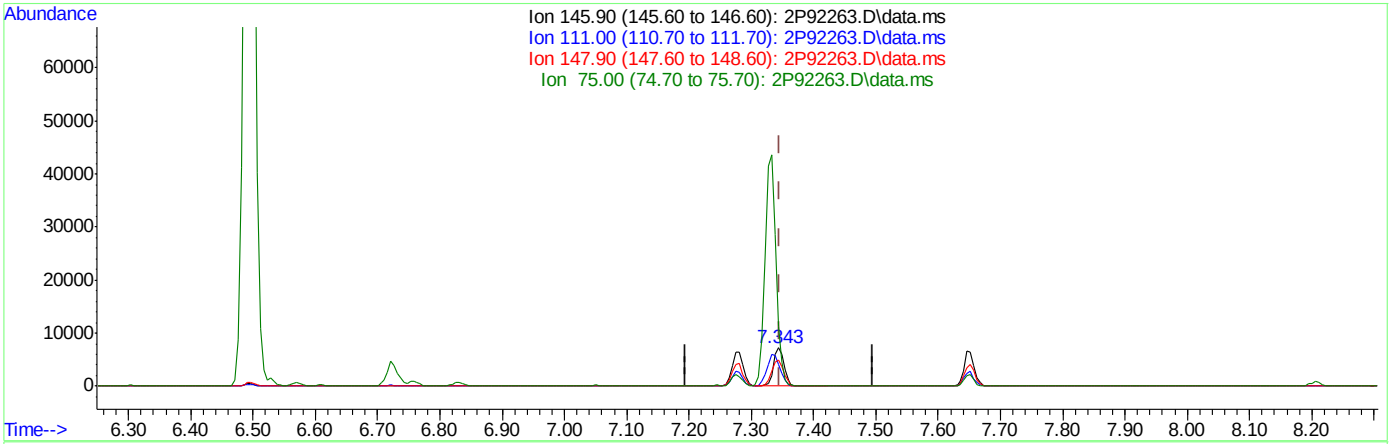
response 7813

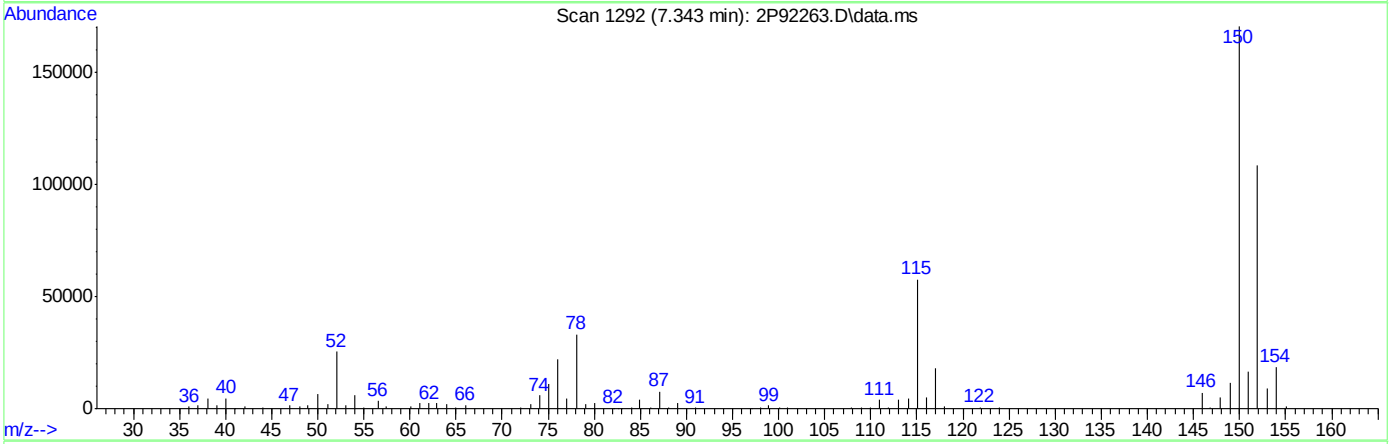
Ion	Exp%	Act%
145.90	100	100
111.00	38.90	42.36
147.90	61.90	63.43
75.00	34.60	33.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(105) 1,4-Dichlorobenzene

7.343min (-0.003) 0.91ug/L m

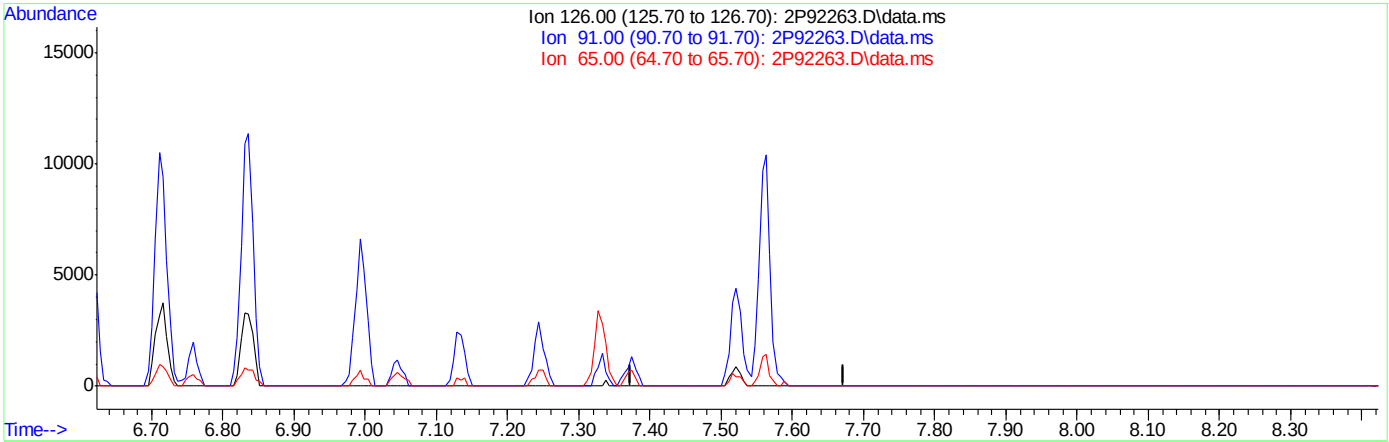
response 8240

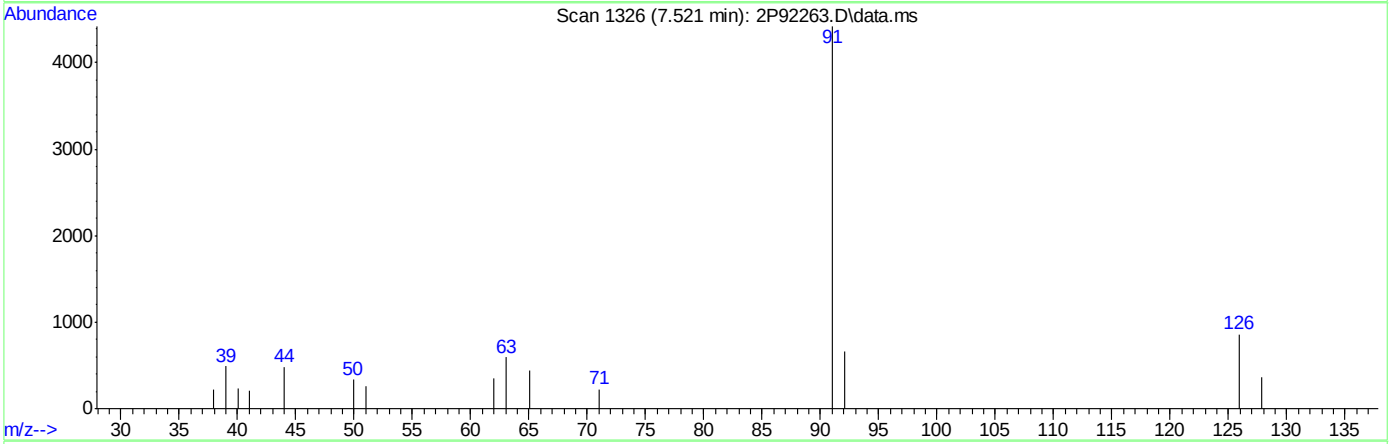
Ion	Exp%	Act%
145.90	100	100
111.00	38.90	55.61
147.90	61.90	69.94
75.00	34.60	155.89#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(107) Benzyl Chloride

7.523min (-7.523) 0.00ug/L

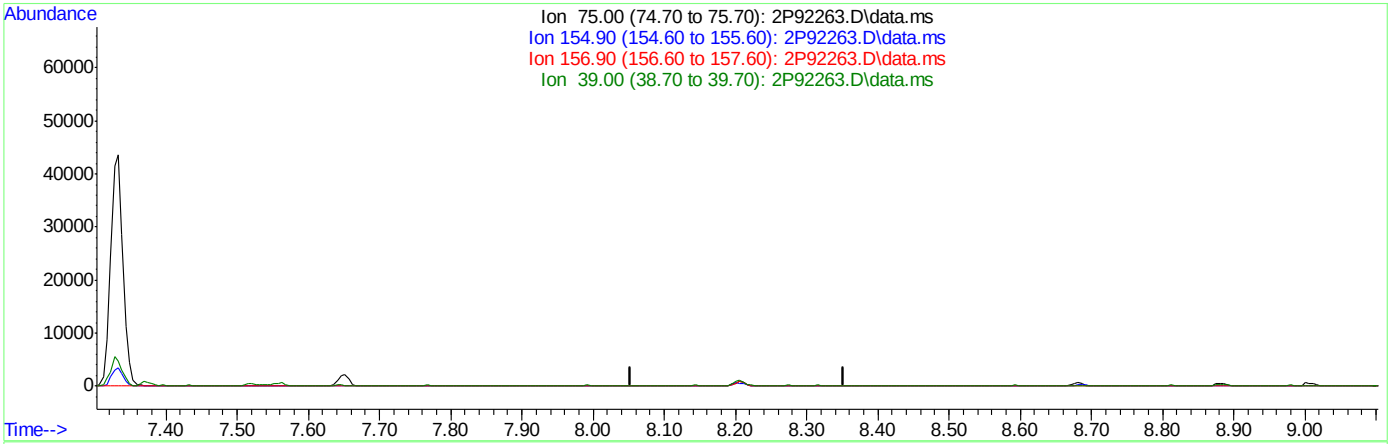
response 0

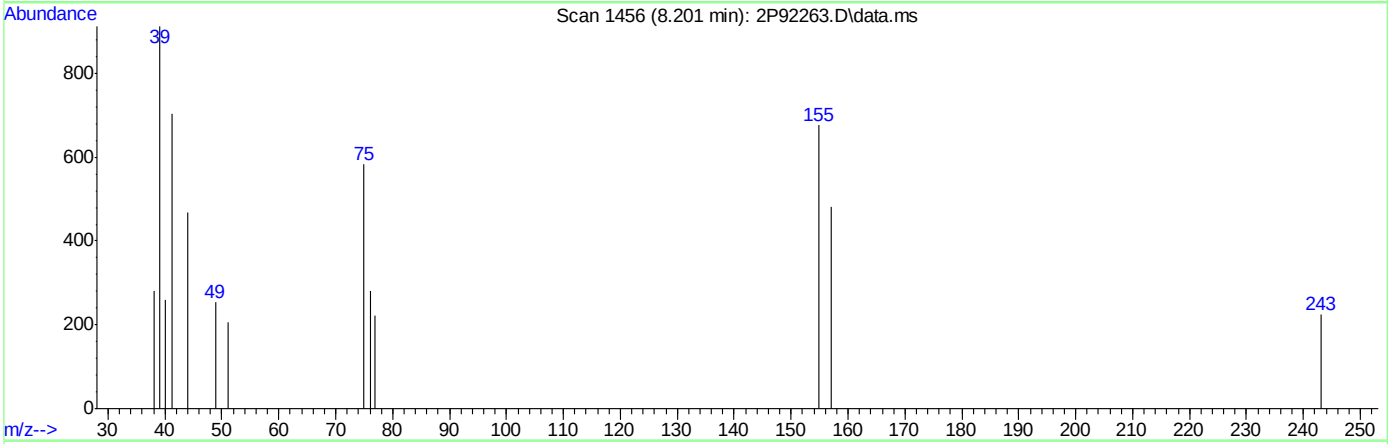
Ion	Exp%	Act%
126.00	100	0.00
91.00	524.80	0.00#
65.00	71.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(109) 1,2-Dibromo-3-Chloropropane

8.203min (-8.203) 0.00ug/L

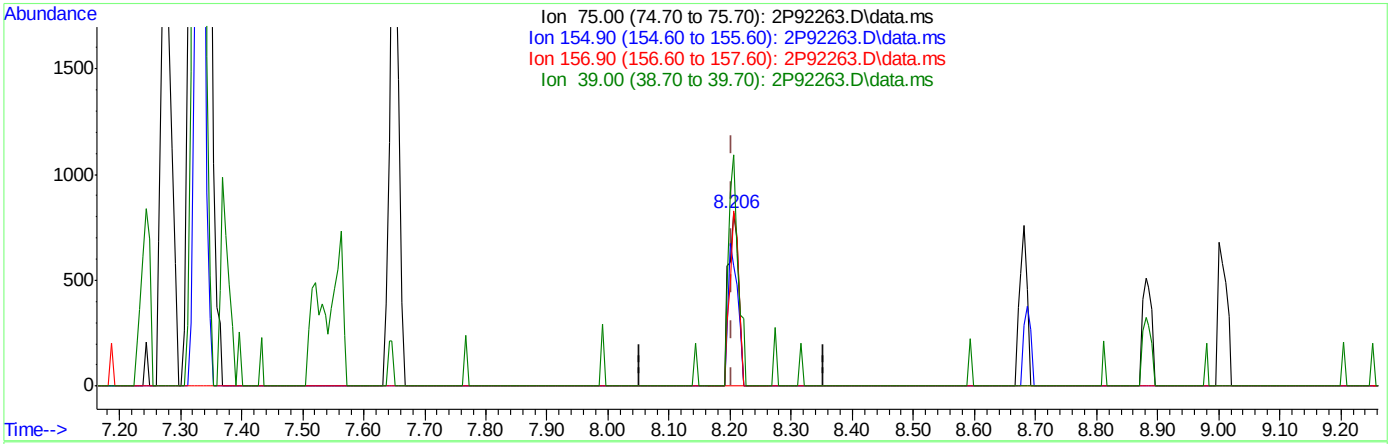
response 0

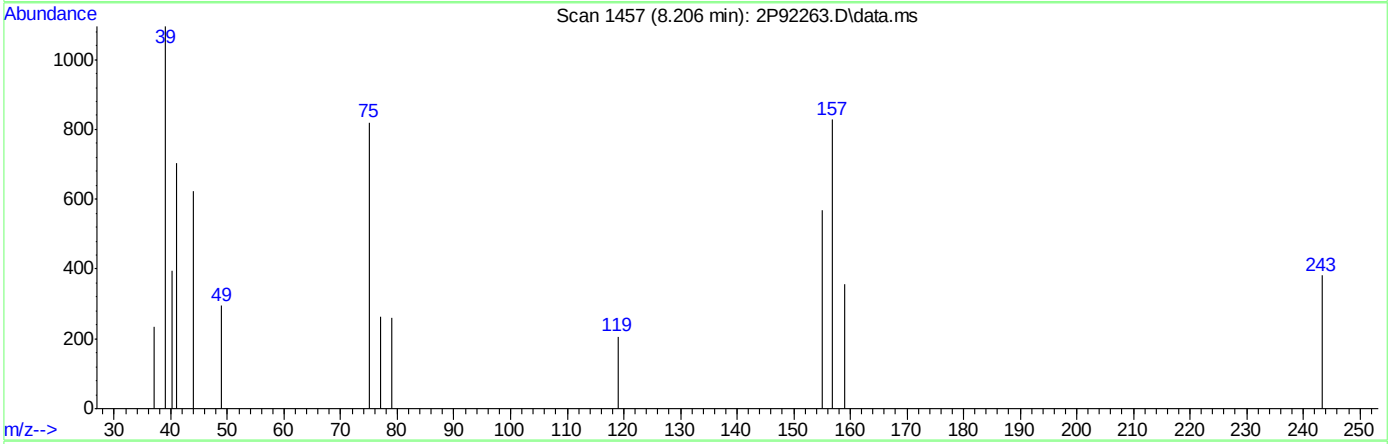
Ion	Exp%	Act%
75.00	100	0.00
154.90	74.10	0.00#
156.90	85.50	0.00#
39.00	122.20	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(109) 1,2-Dibromo-3-Chloropropane

8.206min (+0.003) 0.74ug/L m

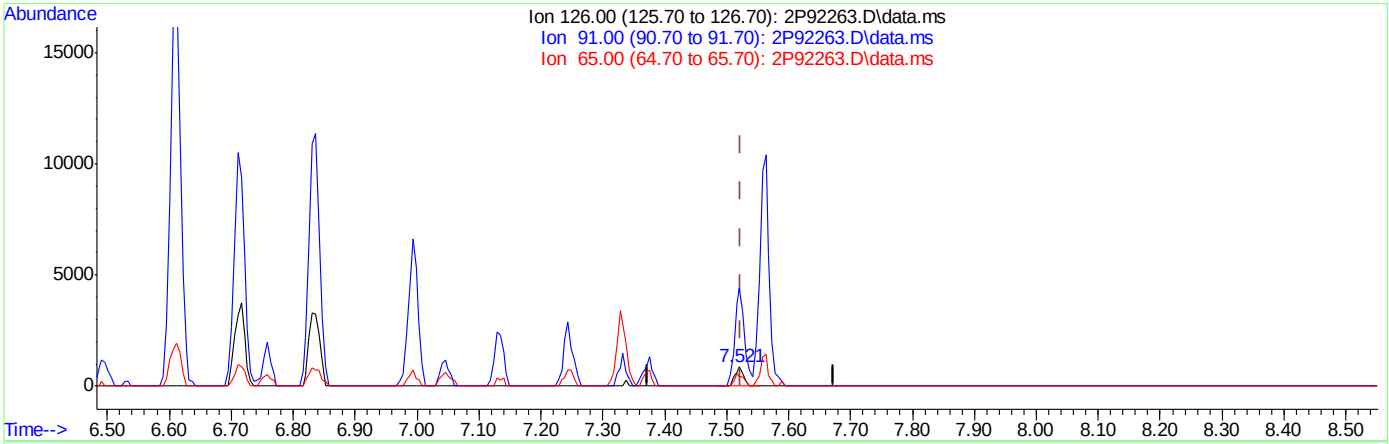
response 932

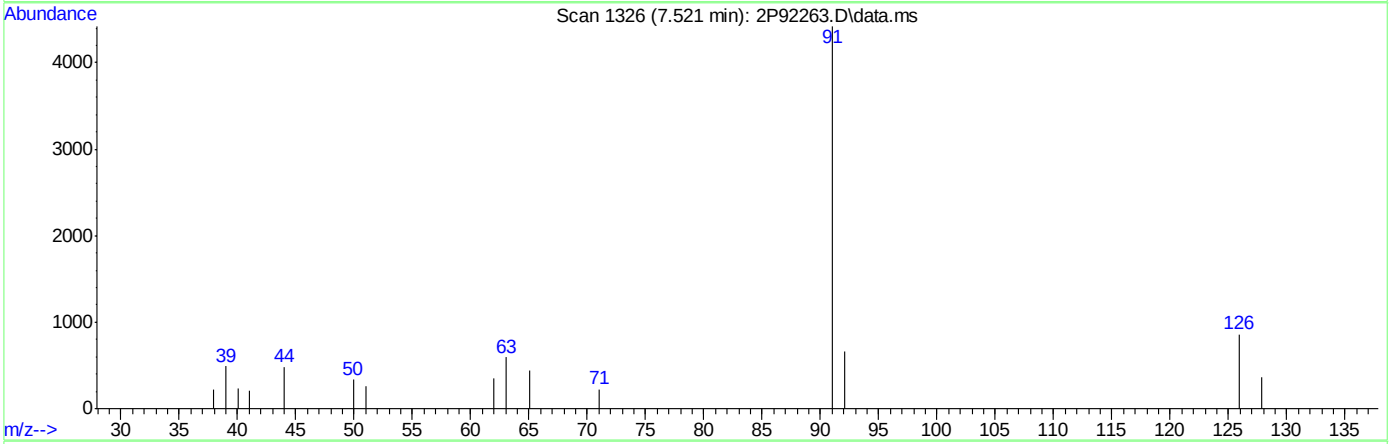
Ion	Exp%	Act%
75.00	100	100
154.90	74.10	69.60
156.90	85.50	101.10
39.00	122.20	133.70

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:08:00 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(107) Benzyl Chloride

7.521min (-0.002) 0.62ug/L m

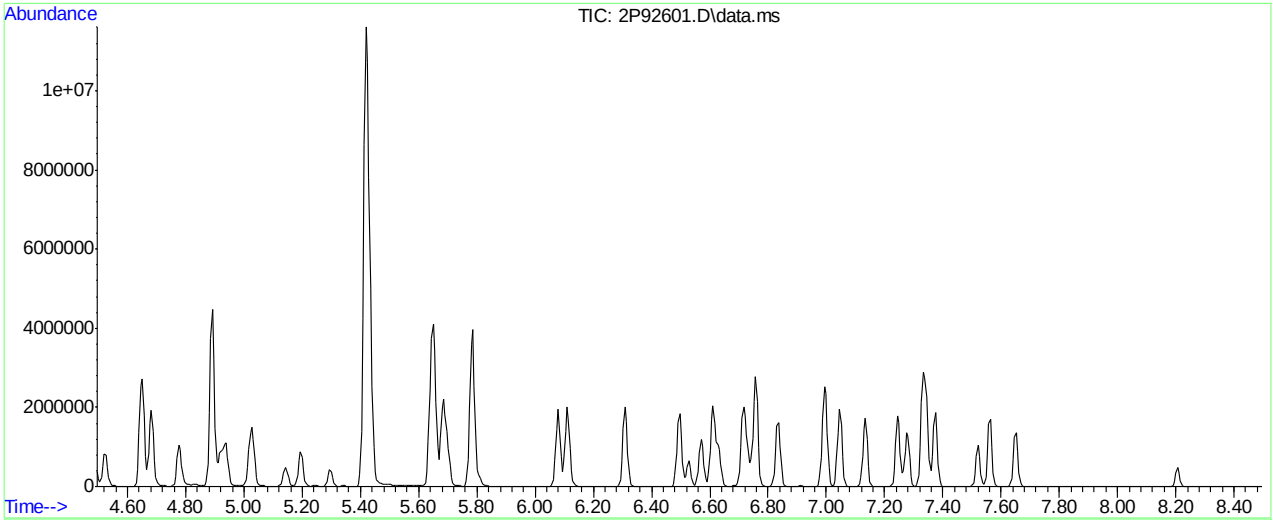
response 838

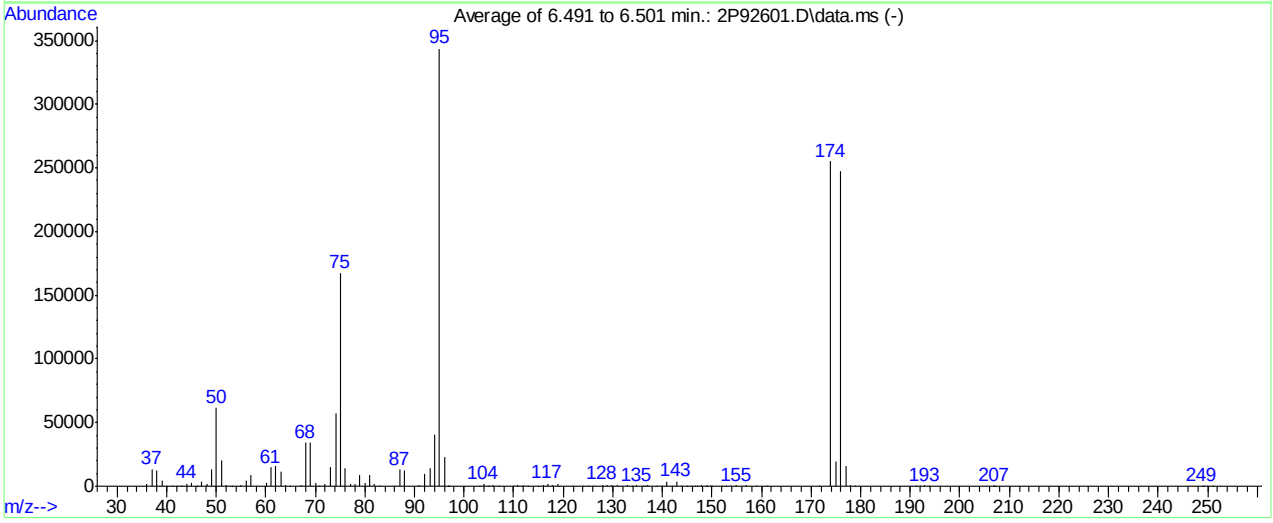
Ion	Exp%	Act%
126.00	100	100
91.00	524.80	516.36
65.00	71.60	51.29#
0.00	0.00	0.00

Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\2022-09-01\2P92601.D Vial: 52
Acq On : 1 Sep 2022 1:04 pm Operator: courtnef
Sample : BFB Inst : MSVOA13
Misc : MS52204,V2P3567,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\MET...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B





AutoFind: Scans 1129, 1130, 1131; Background Corrected with Scan 1121

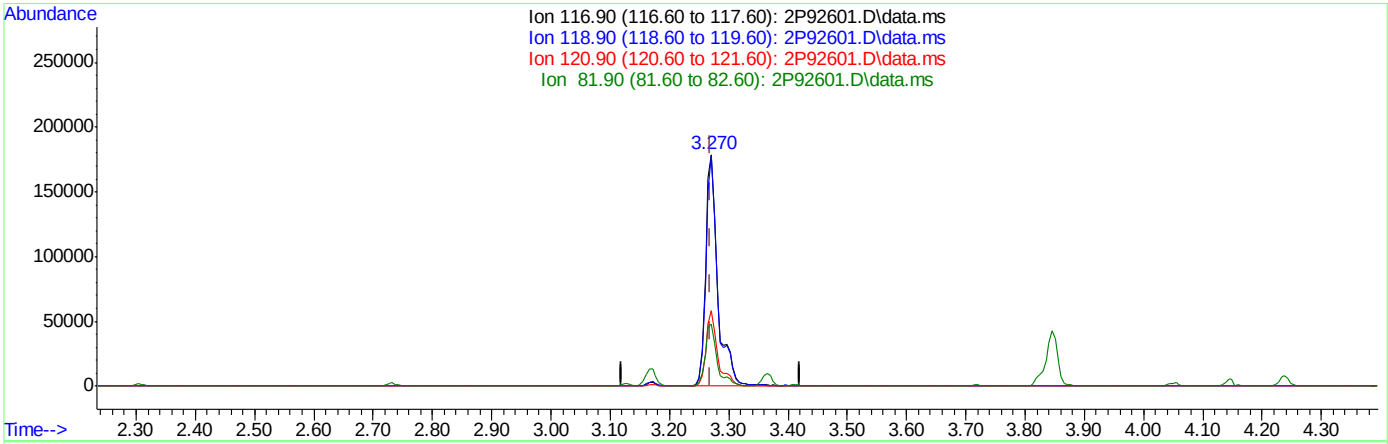
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.9	61400	PASS
75	95	30	60	48.7	167472	PASS
95	95	100	100	100.0	343808	PASS
96	95	5	9	6.7	22920	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.2	254976	PASS
175	174	5	9	7.5	19205	PASS
176	174	95	101	96.9	247082	PASS
177	176	5	9	6.5	16144	PASS

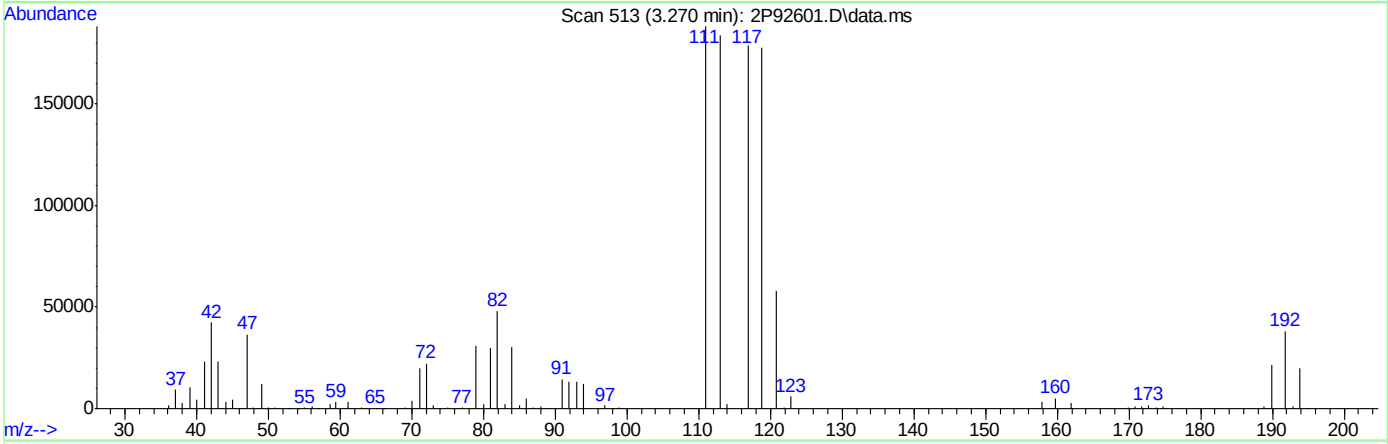
2P92601.D V2P_2022-08-24.M Thu Sep 01 13:21:17 2022

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (+0.000) 49.81ug/L

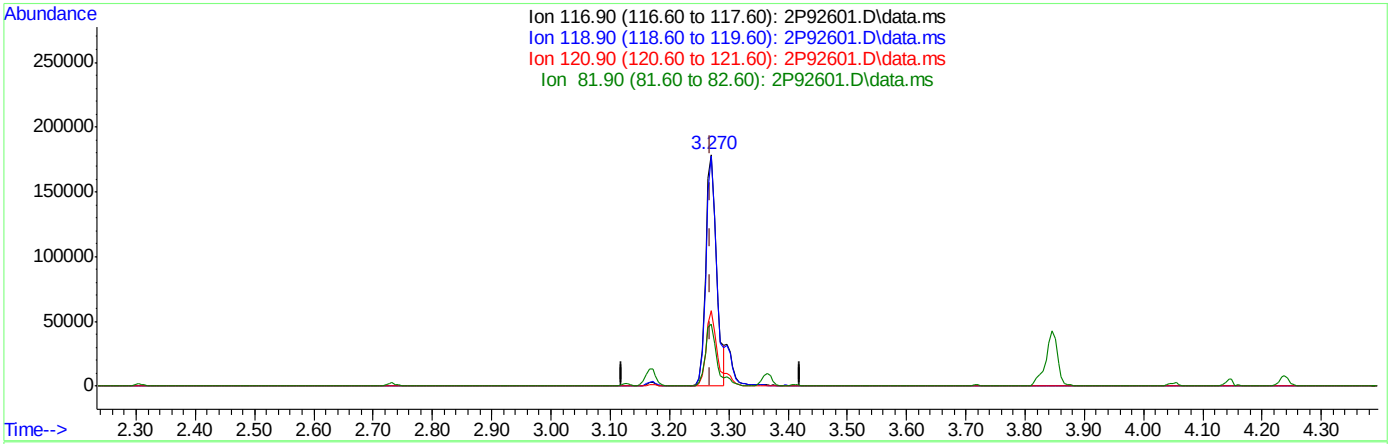
response 256801

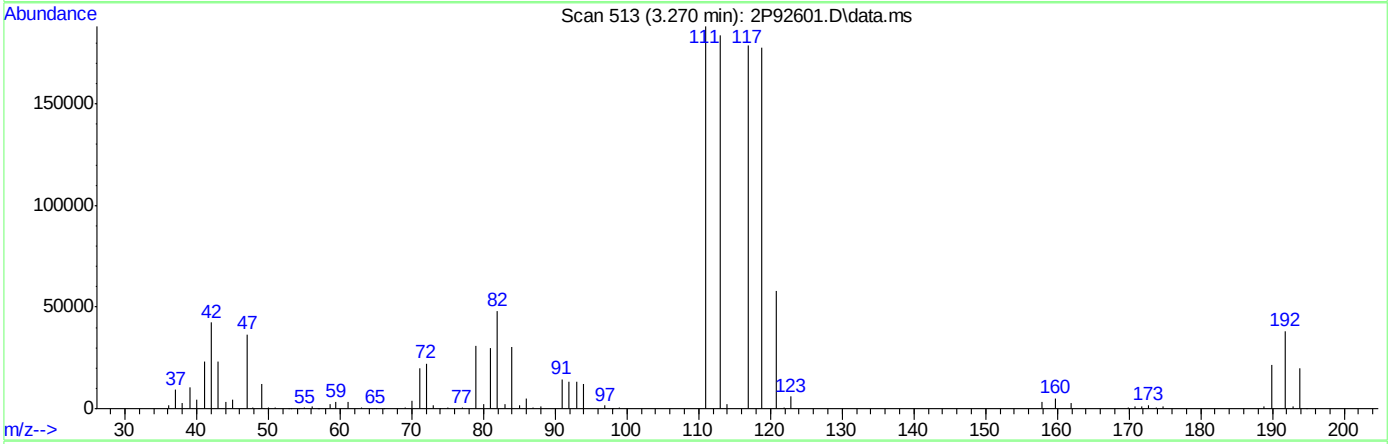
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.21
120.90	29.50	32.50
81.90	28.30	26.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (+0.000) 44.51ug/L m

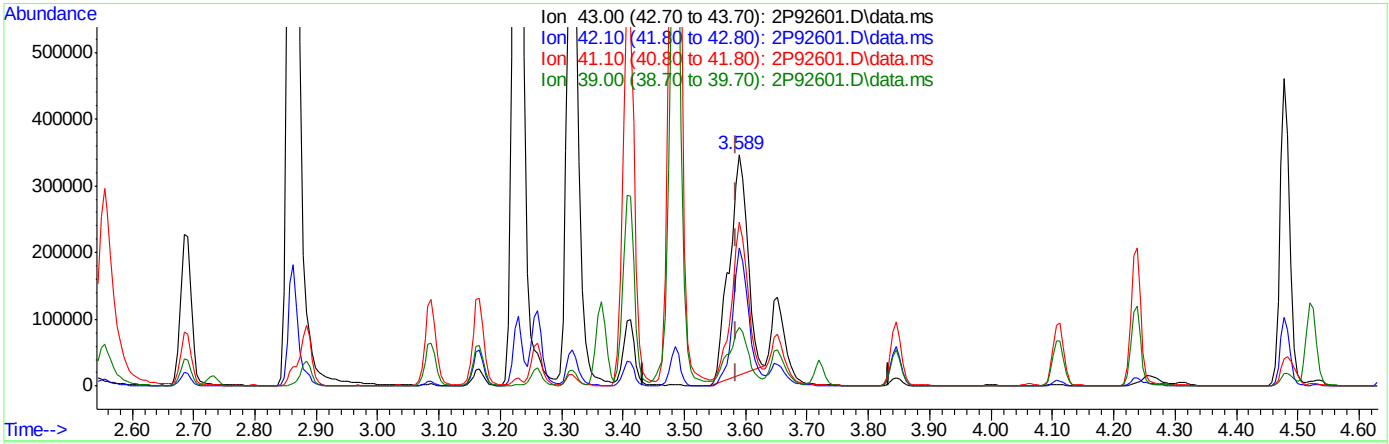
response 225717

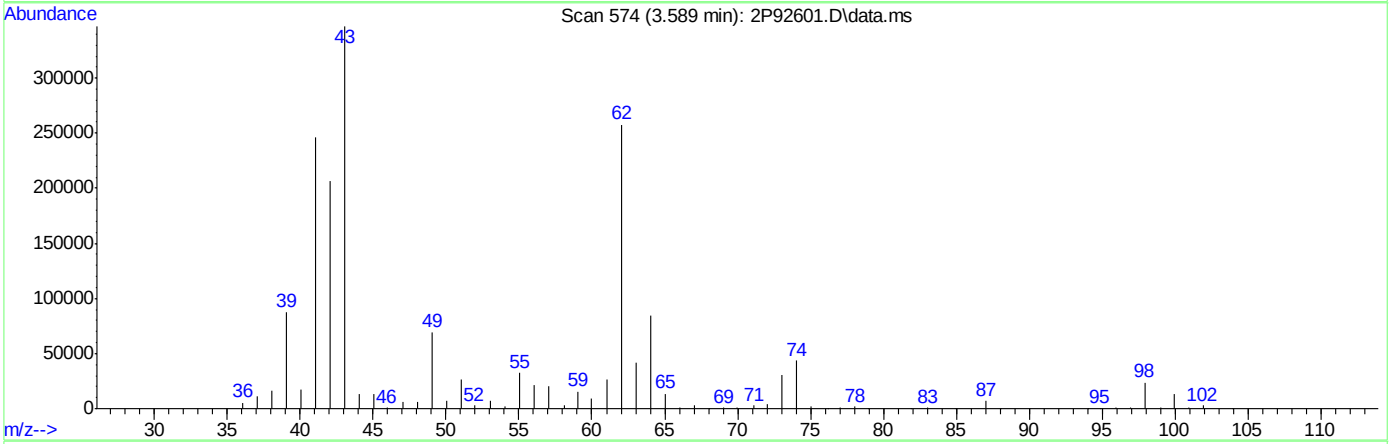
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.21
120.90	29.50	32.50
81.90	28.30	26.93

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 883.63ug/L

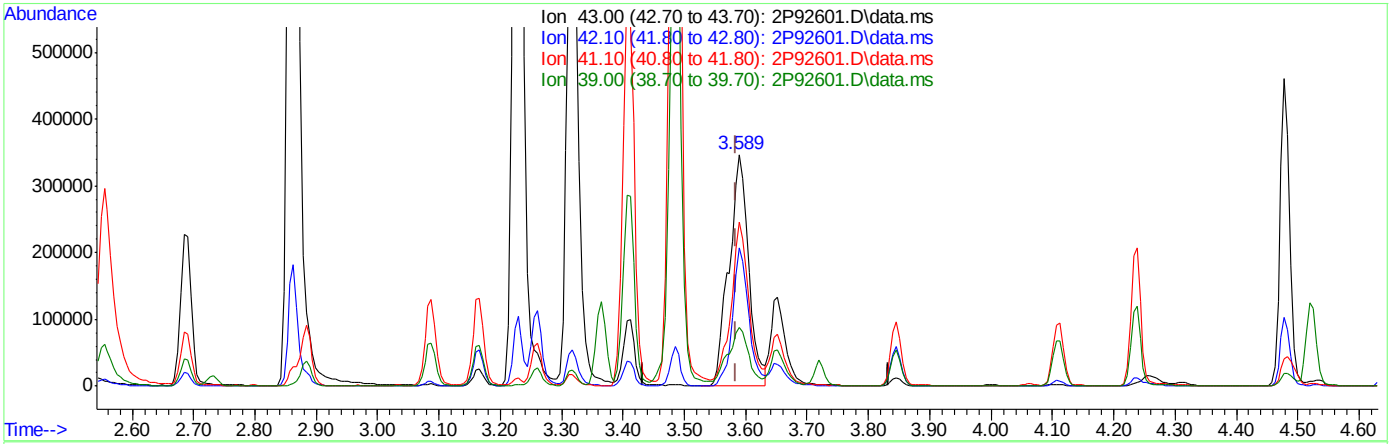
response 686070

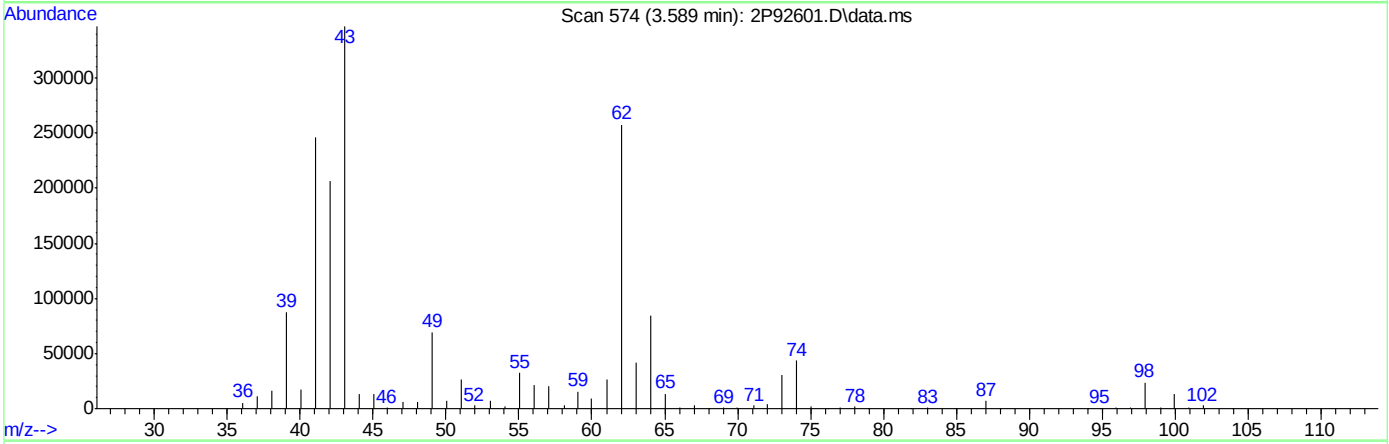
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	59.71
41.10	70.00	68.79
39.00	27.50	23.44

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 990.79ug/L m

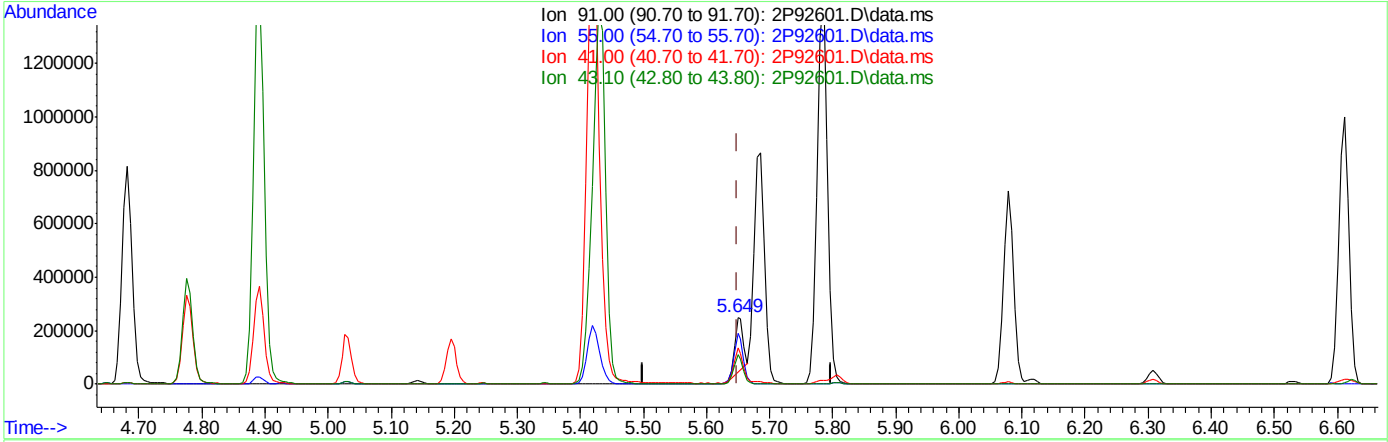
response 769270

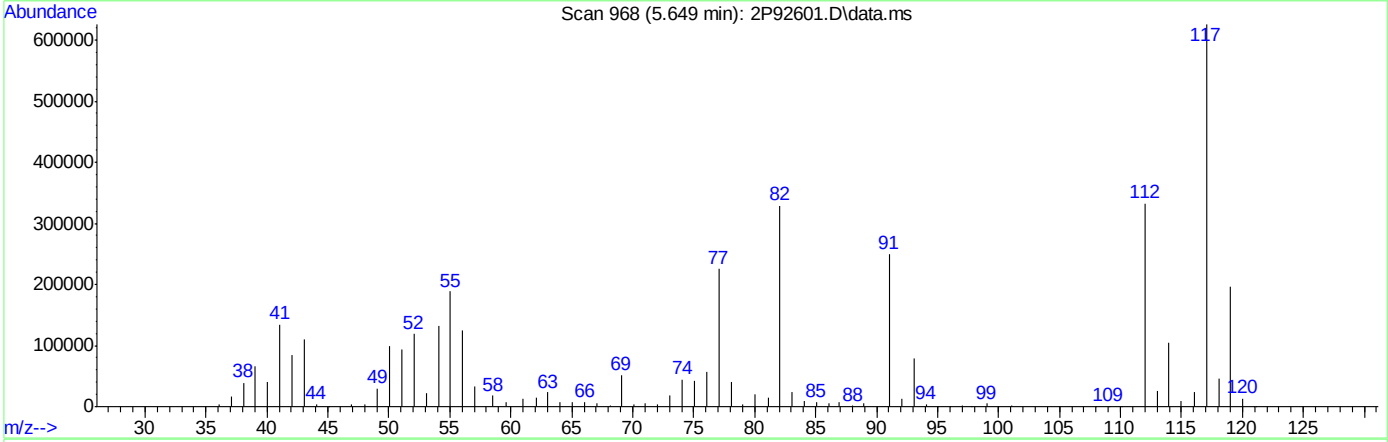
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	59.64
41.10	70.00	71.00
39.00	27.50	25.29

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 29.34ug/L

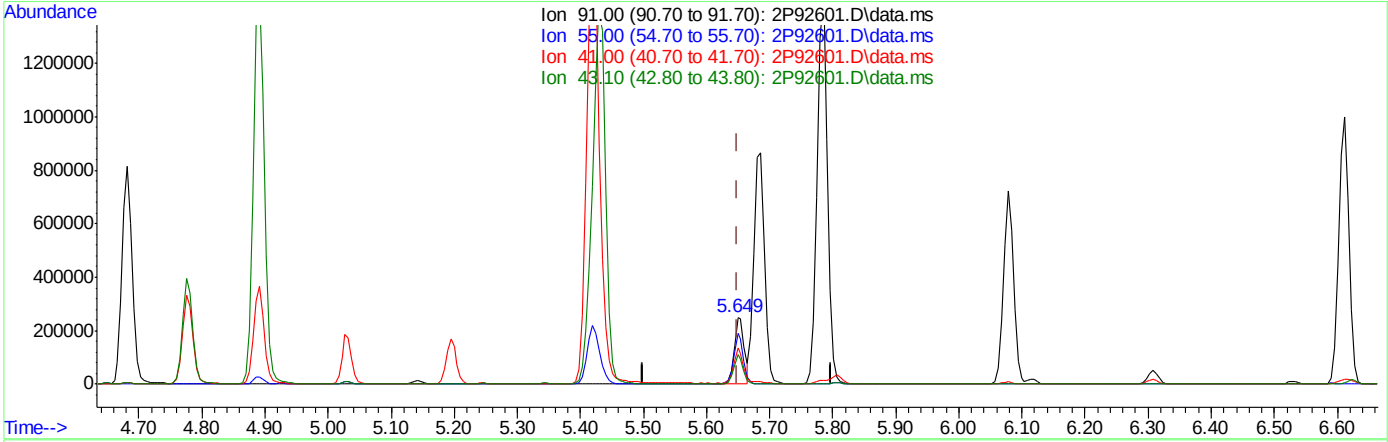
response 204607

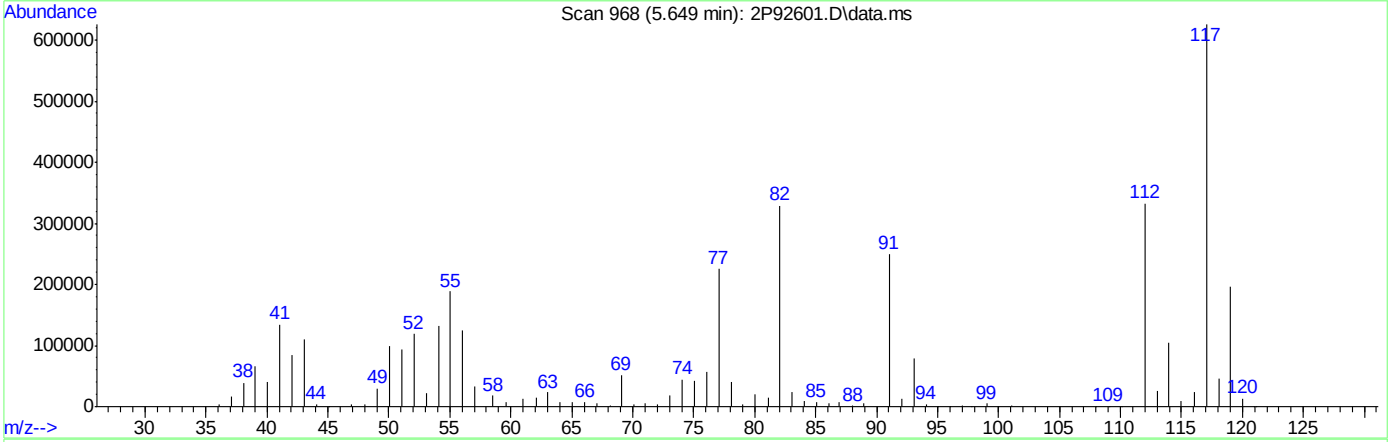
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	72.50
41.00	53.40	51.21
43.10	41.30	43.37

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 41.10ug/L m

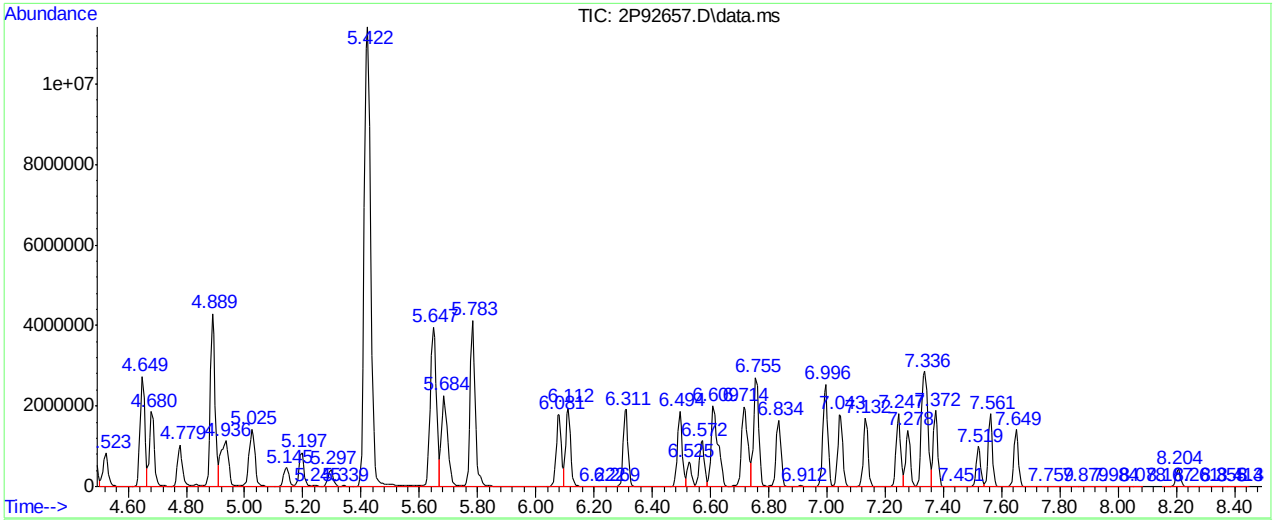
response 286598

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	75.39
41.00	53.40	53.82
43.10	41.30	44.27

Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\2022-09-06\2P92657.D Vial: 52
Acq On : 6 Sep 2022 11:31 am Operator: courtnef
Sample : BFB Inst : MSVOA13
Misc : MS52204,V2P3568,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\MET...V2P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1128, 1129, 1130; Background Corrected with Scan 1121

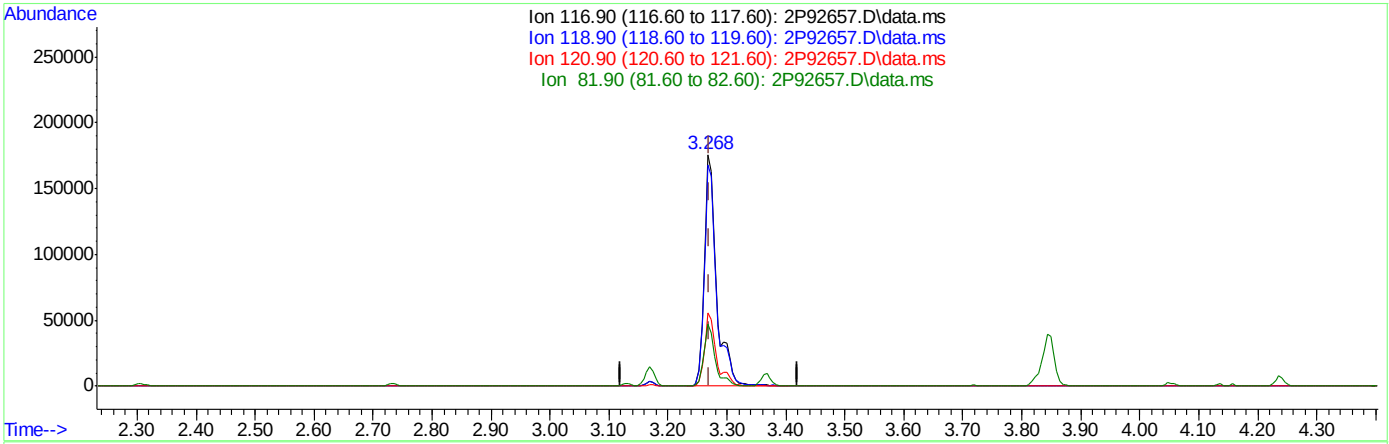
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	63869	PASS
75	95	30	60	48.9	169002	PASS
95	95	100	100	100.0	345770	PASS
96	95	5	9	6.6	22698	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	72.3	249920	PASS
175	174	5	9	7.6	19109	PASS
176	174	95	101	96.9	242261	PASS
177	176	5	9	6.3	15345	PASS

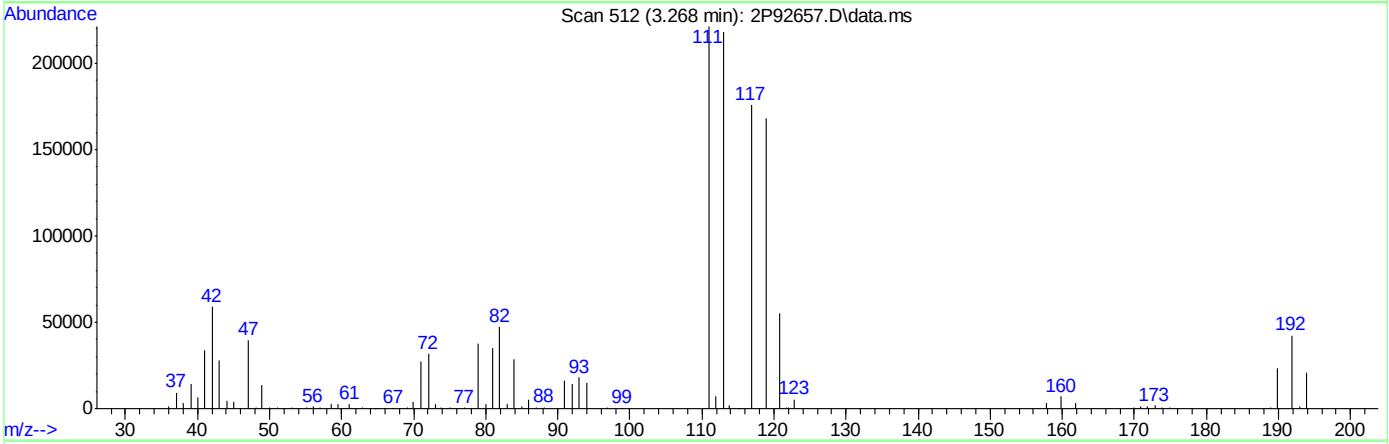
2P92657.D V2P_2022-08-24.M Tue Sep 06 11:47:33 2022

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (-0.002) 51.64ug/L

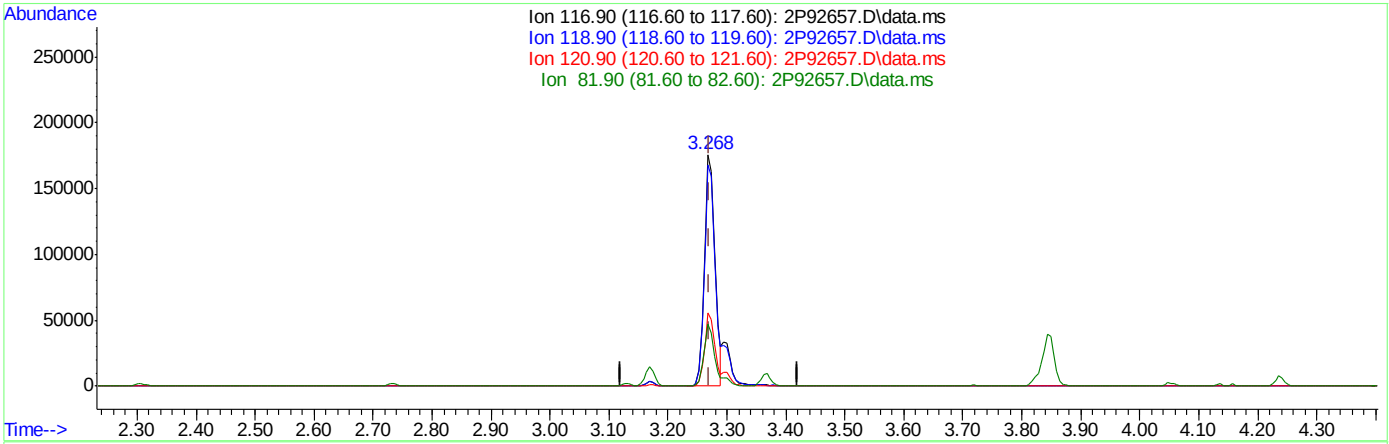
response 255656

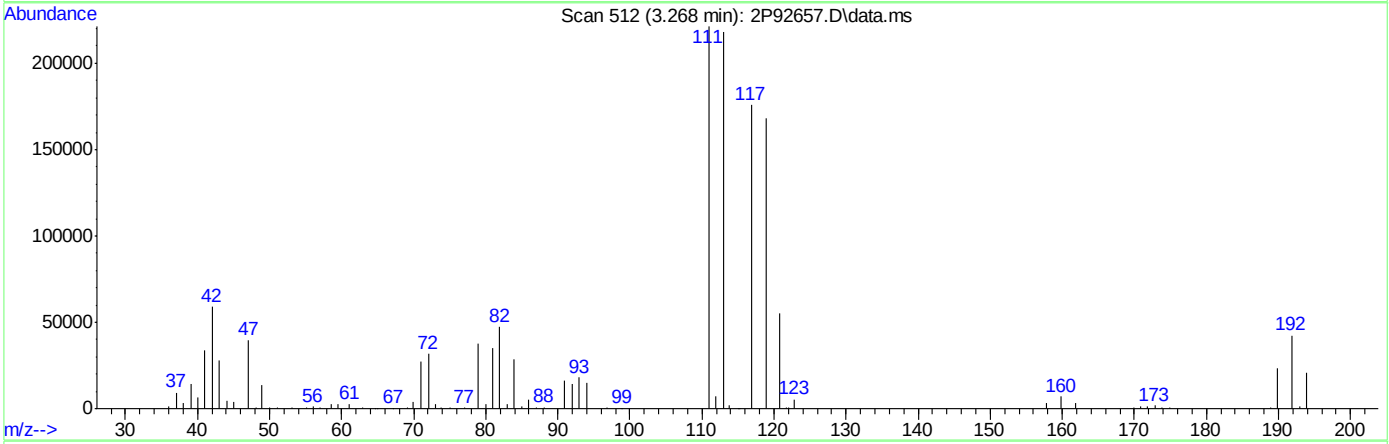
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	95.49
120.90	29.50	31.45
81.90	28.30	26.68

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (-0.002) 45.08ug/L m

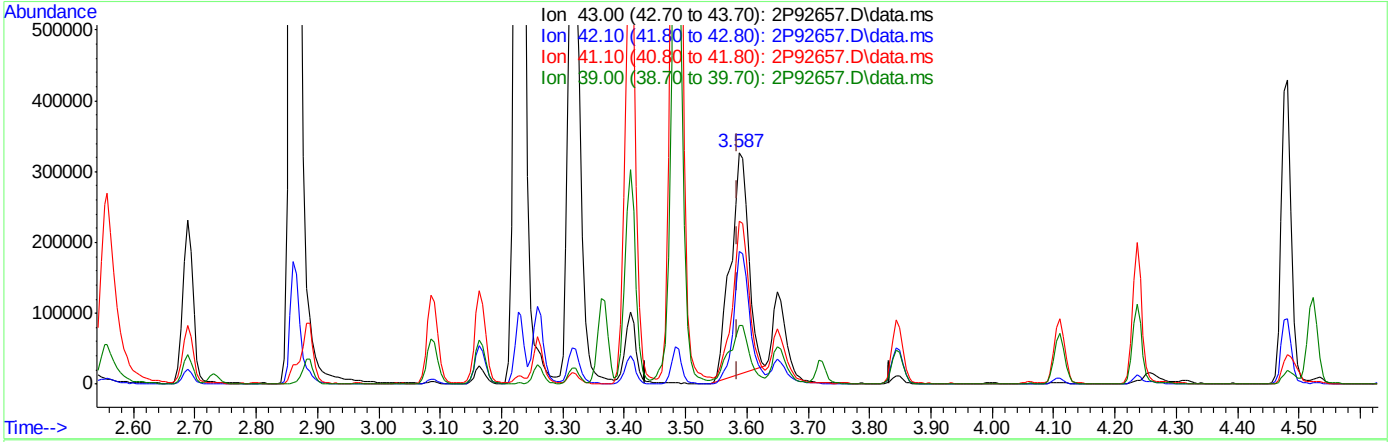
response 218696

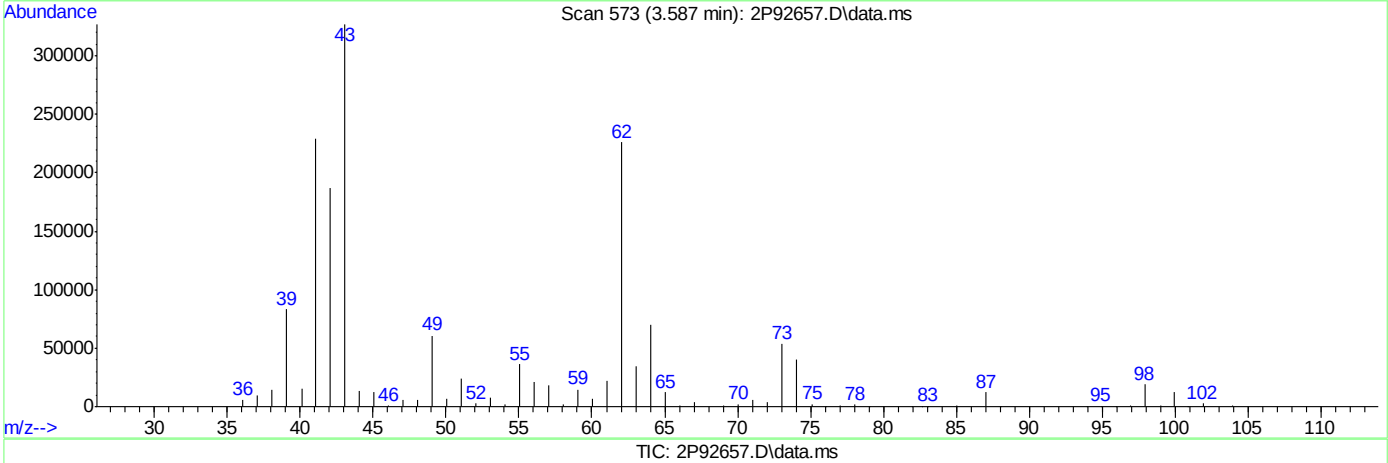
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	95.49
120.90	29.50	31.45
81.90	28.30	26.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(50) Isobutyl alcohol

3.587min (+0.003) 862.67ug/L

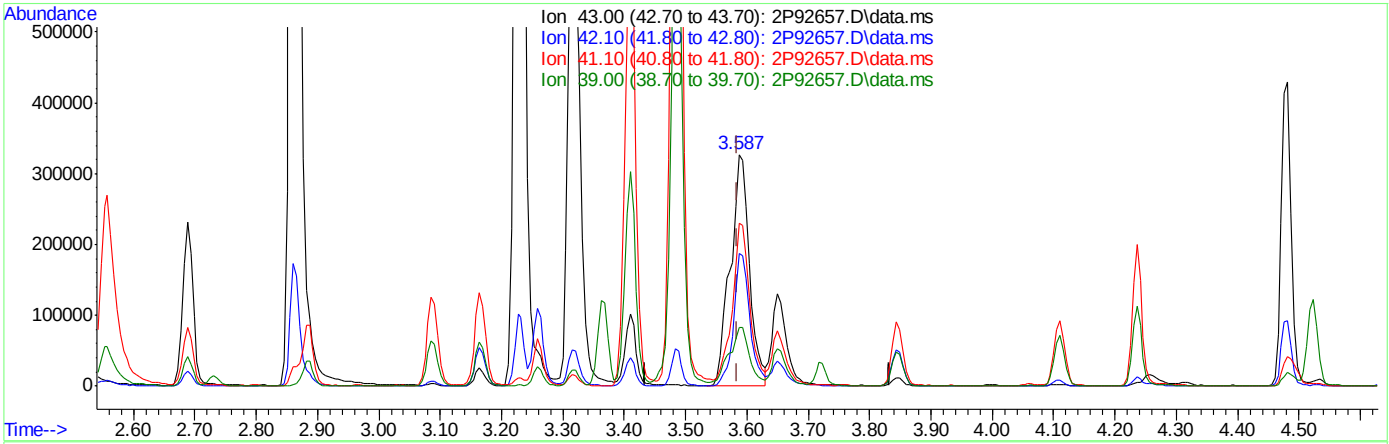
response 639605

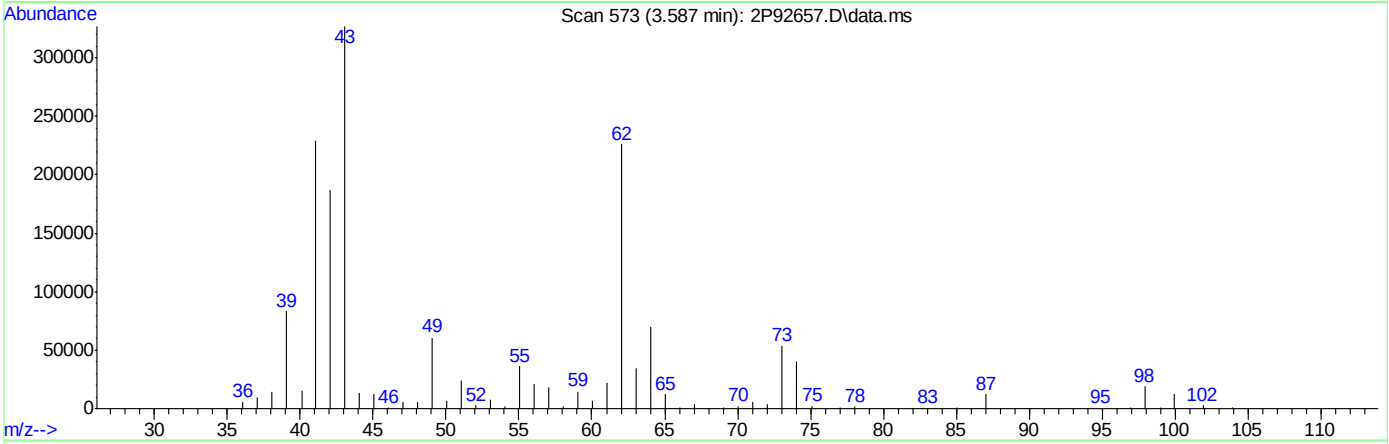
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.18
41.10	70.00	67.34
39.00	27.50	23.68

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(50) Isobutyl alcohol

3.587min (+0.003) 957.60ug/L m

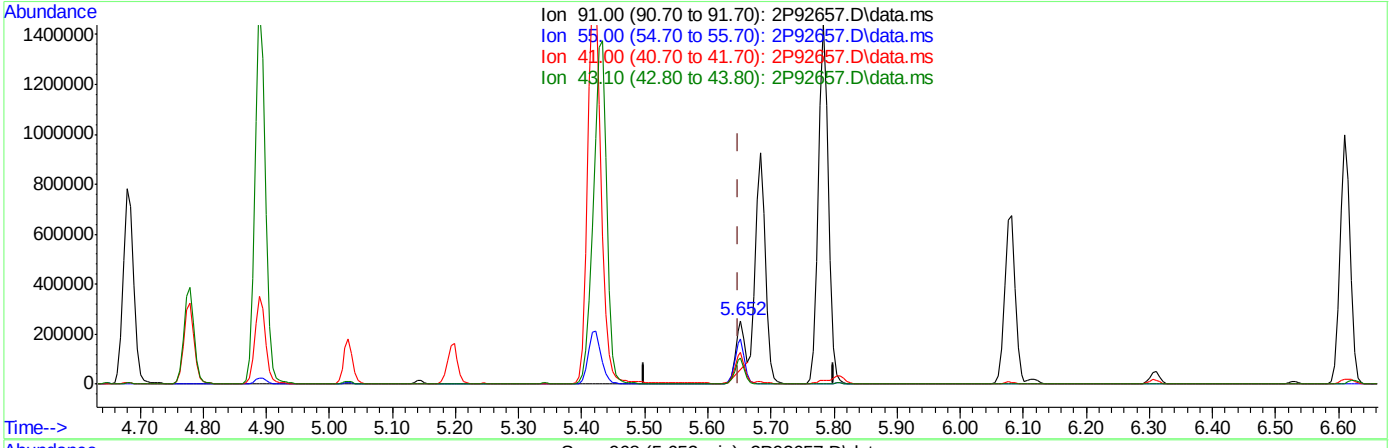
response 709989

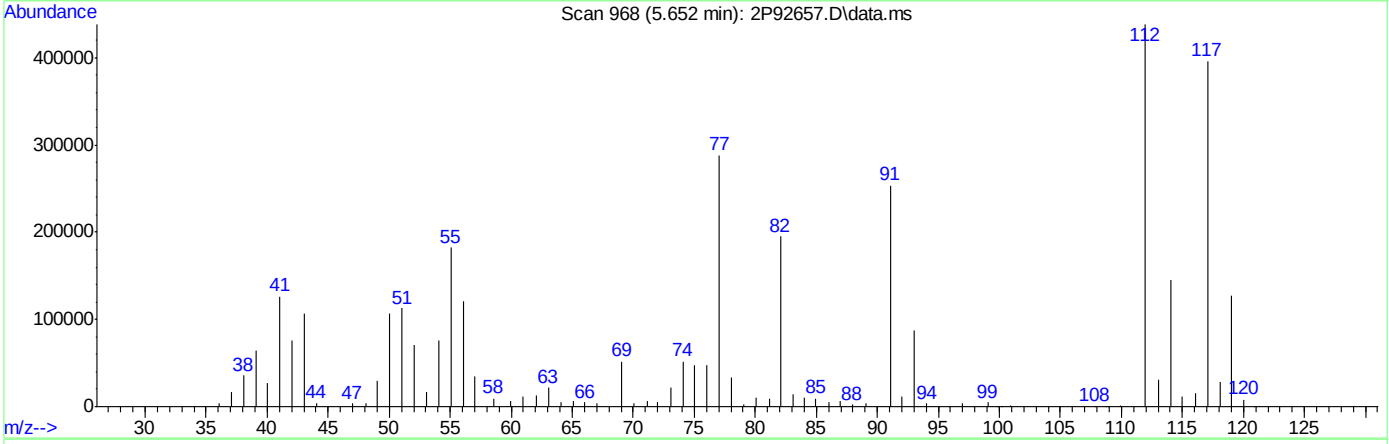
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.28
41.10	70.00	70.16
39.00	27.50	25.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(76) 1-Chlorohexane

5.652min (+0.003) 27.78ug/L

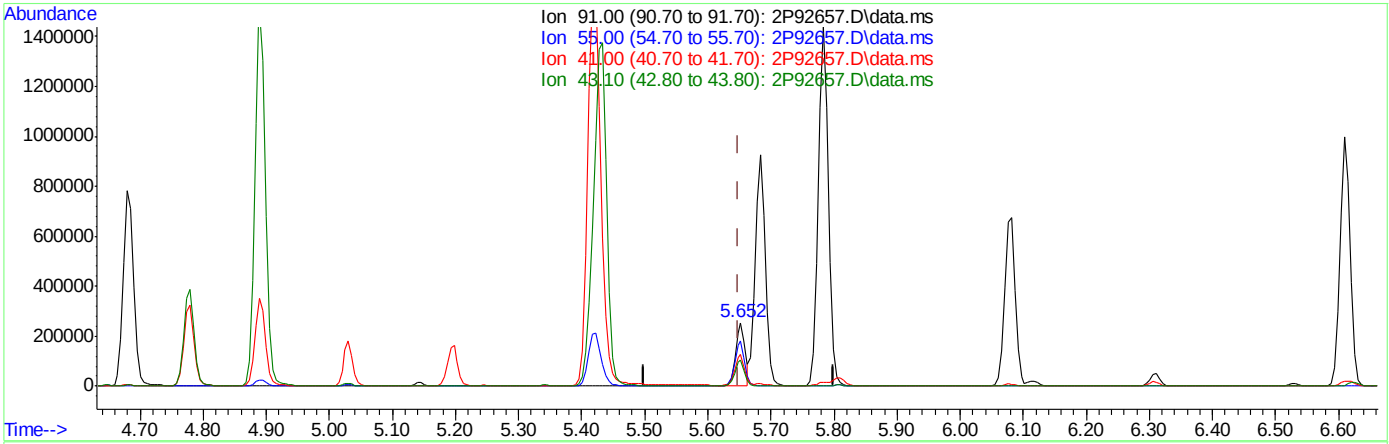
response 187758

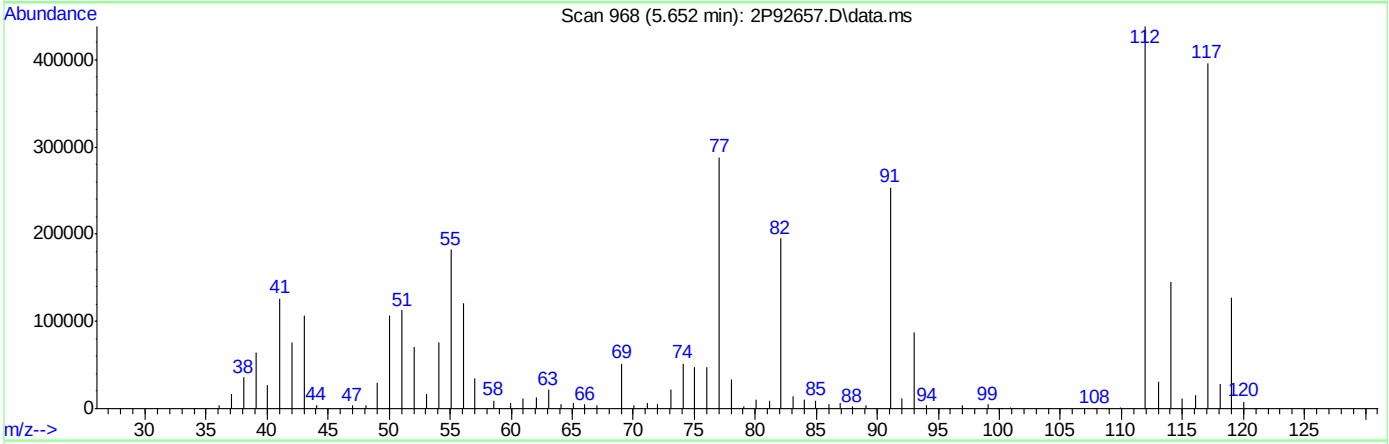
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	69.72
41.00	53.40	47.68
43.10	41.30	41.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(76) 1-Chlorohexane

5.652min (+0.003) 40.48ug/L m

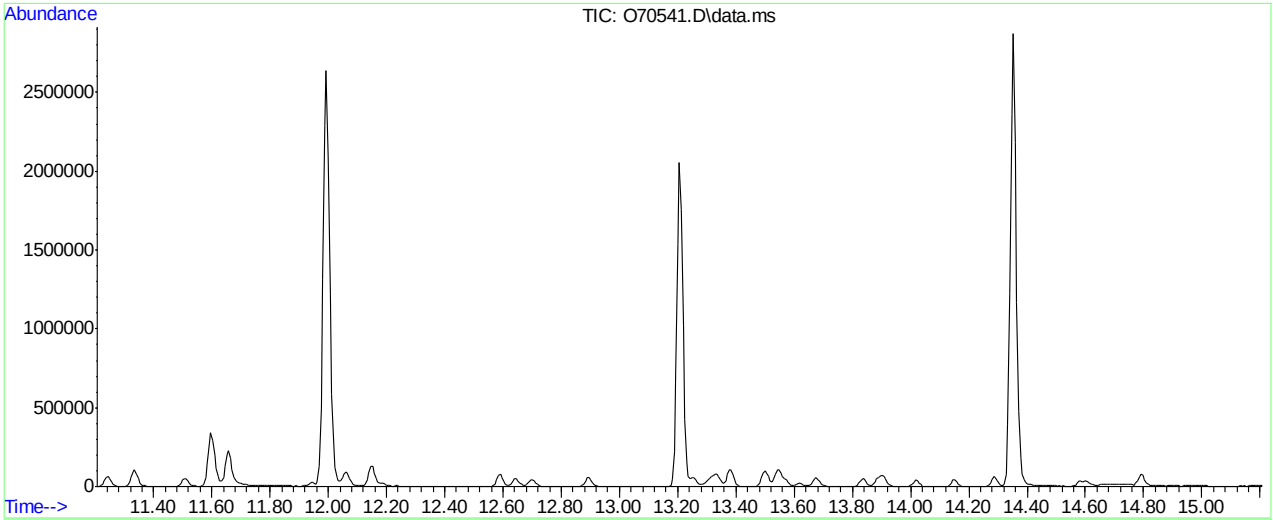
response 273596

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	71.81
41.00	53.40	49.81
43.10	41.30	42.26

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2022-08-23\O70541.D Vial: 1
Acq On : 23 Aug 2022 11:06 am Operator: joannel
Sample : BFB Inst : MSVOA12
Misc : MS52195,VO2796,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1987, 1988, 1989; Background Corrected with Scan 1980

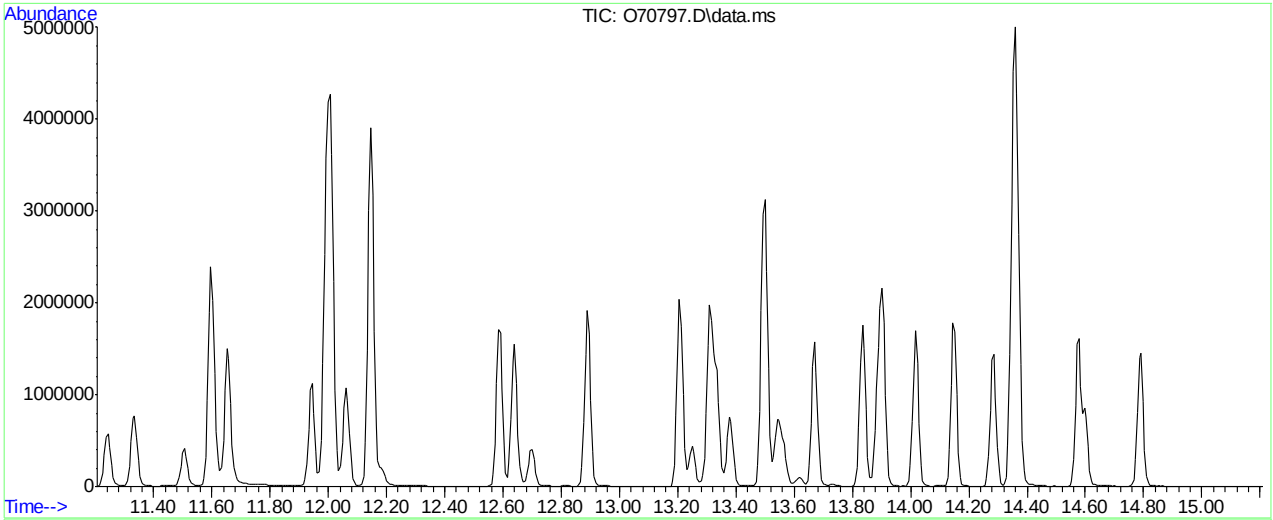
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	69296	PASS
75	95	30	60	49.6	173760	PASS
95	95	100	100	100.0	350208	PASS
96	95	5	9	6.6	23064	PASS
173	174	0.00	2	0.5	1598	PASS
174	95	50	100	91.7	321301	PASS
175	174	5	9	7.1	22811	PASS
176	174	95	101	96.8	310997	PASS
177	176	5	9	6.5	20228	PASS

O70541.D VO_08-23-2022.M Wed Aug 24 09:43:50 2022

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2022-09-01\O70797.D Vial: 2
Acq On : 1 Sep 2022 11:29 am Operator: joannel
Sample : BFB Inst : MSVOA12
Misc : MS52195,VO2808,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1987, 1988, 1989; Background Corrected with Scan 1980

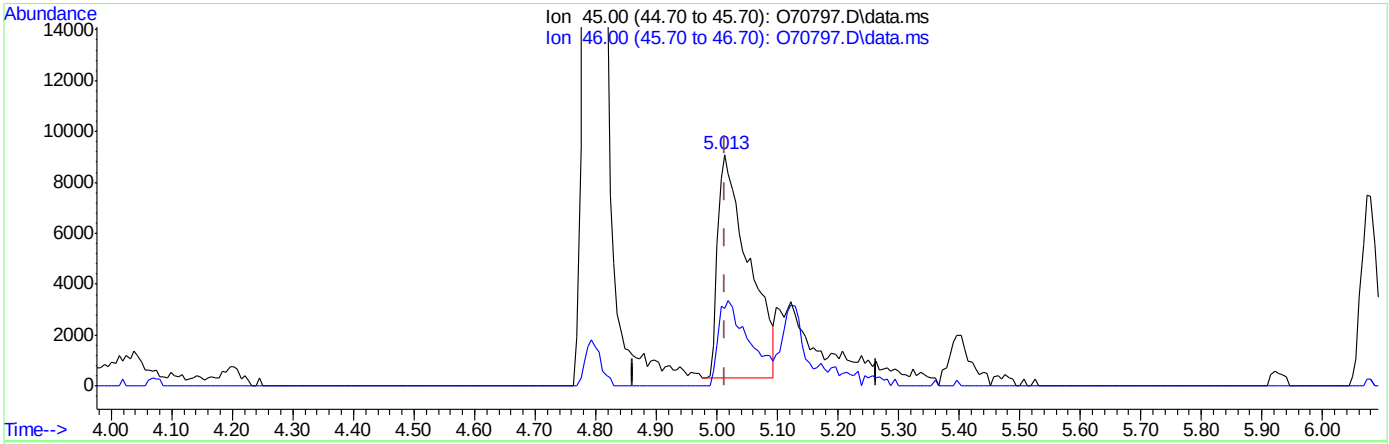
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.5	68048	PASS
75	95	30	60	49.4	172672	PASS
95	95	100	100	100.0	349227	PASS
96	95	5	9	6.7	23443	PASS
173	174	0.00	2	0.5	1695	PASS
174	95	50	100	91.8	320597	PASS
175	174	5	9	7.1	22611	PASS
176	174	95	101	95.9	307477	PASS
177	176	5	9	6.8	20872	PASS

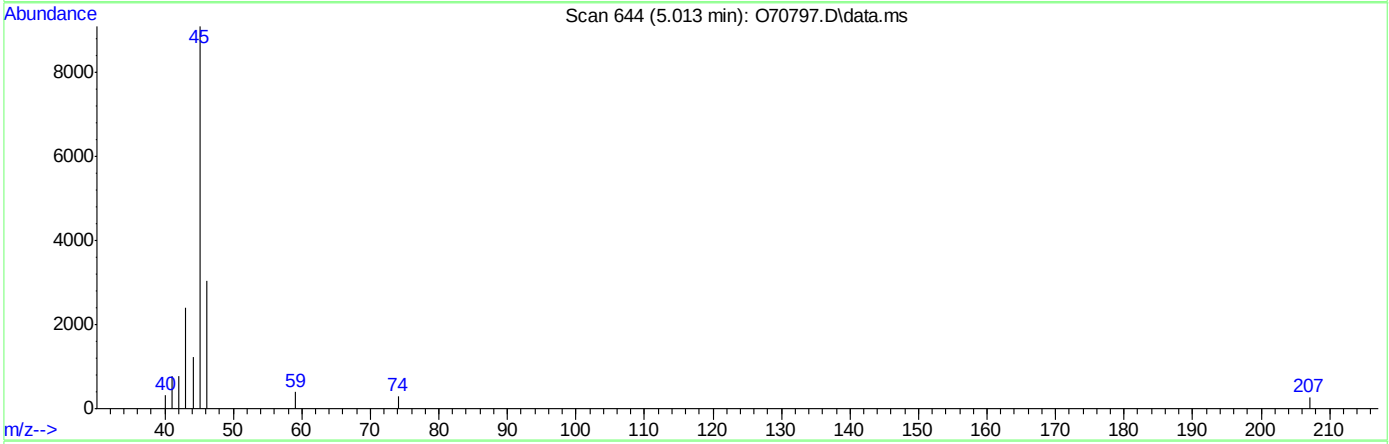
O70797.D VO_08-23-2022.M Thu Sep 01 11:50:33 2022

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(10) Ethanol

5.013min (-0.000) 564.93ug/L

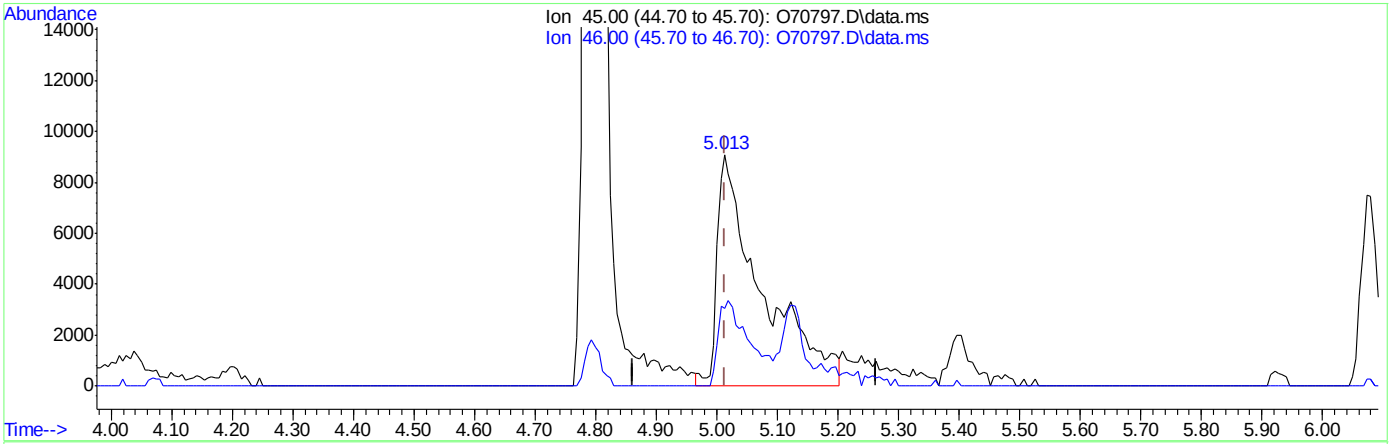
response 30670

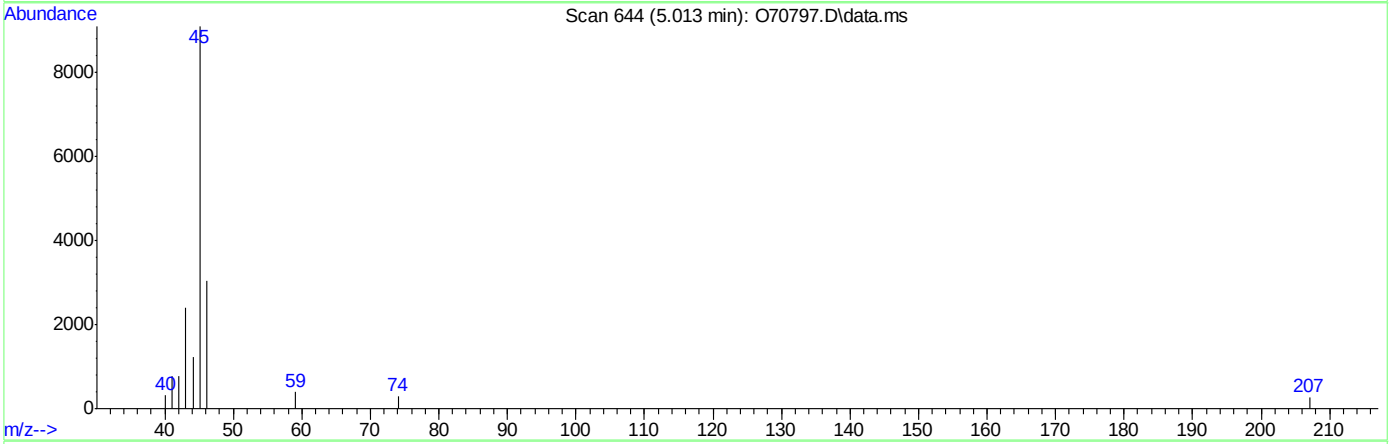
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	34.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(10) Ethanol

5.013min (-0.000) 840.38ug/L m

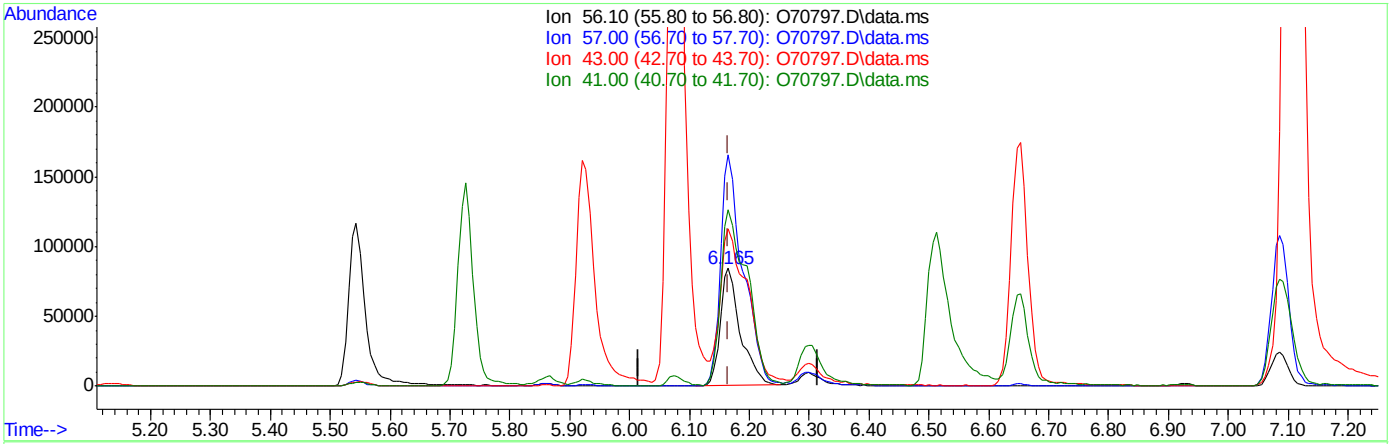
response 46206

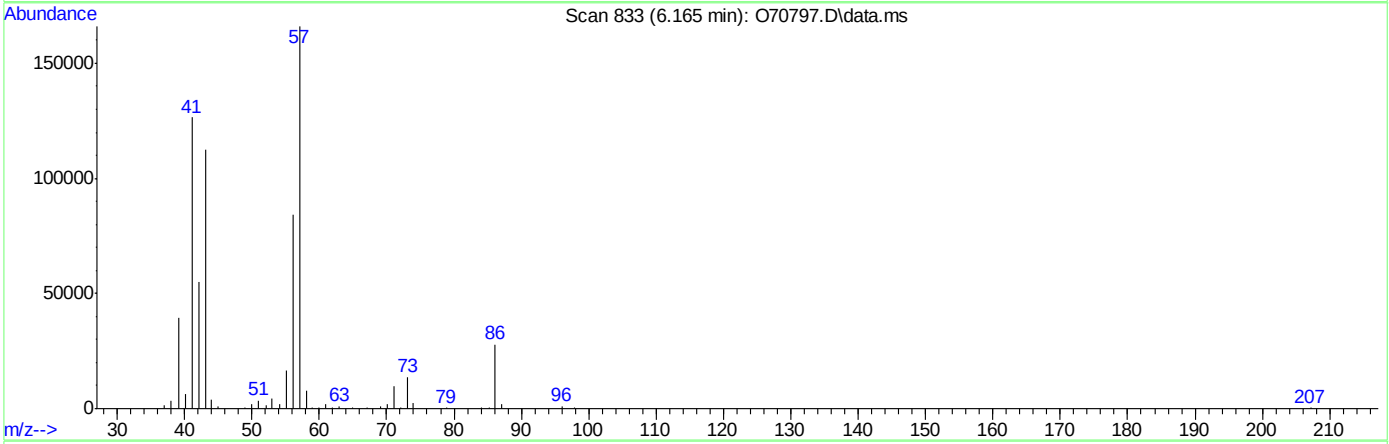
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	33.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(22) Hexane

6.165min (+0.000) 54.38ug/L

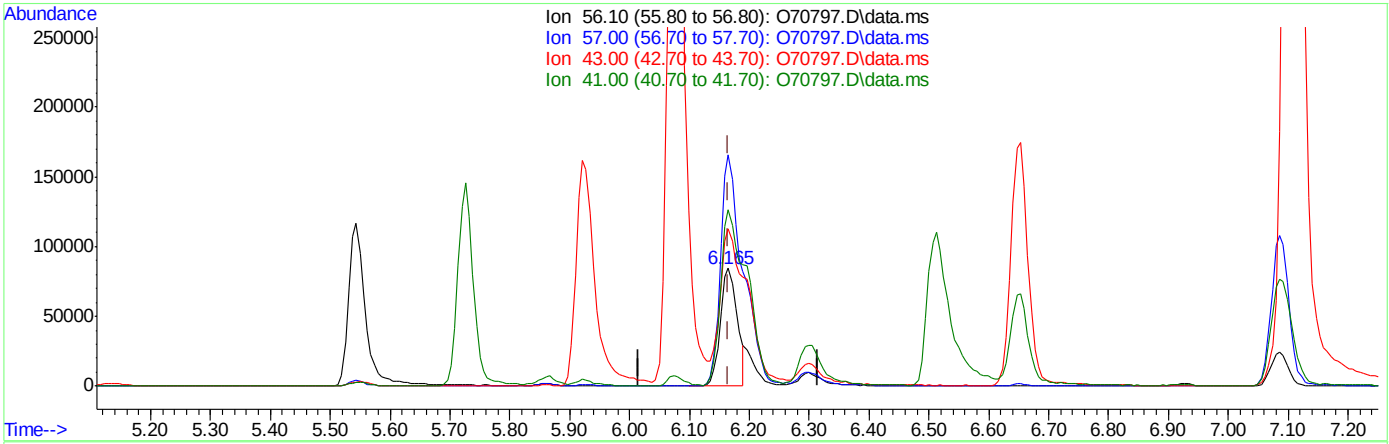
response 195024

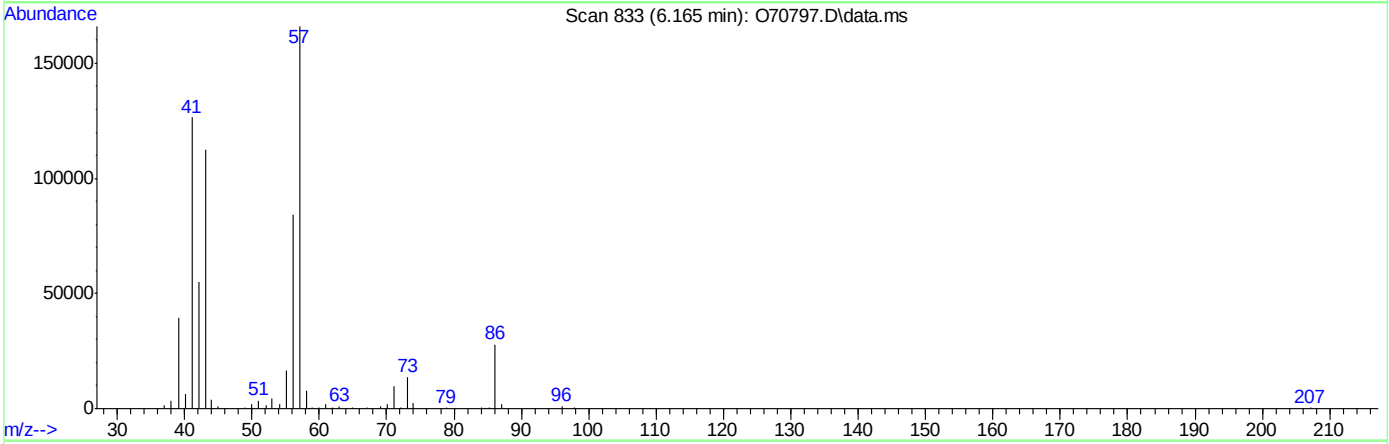
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	196.53
43.00	133.10	127.41
41.00	145.50	148.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(22) Hexane

6.165min (+0.000) 46.87ug/L m

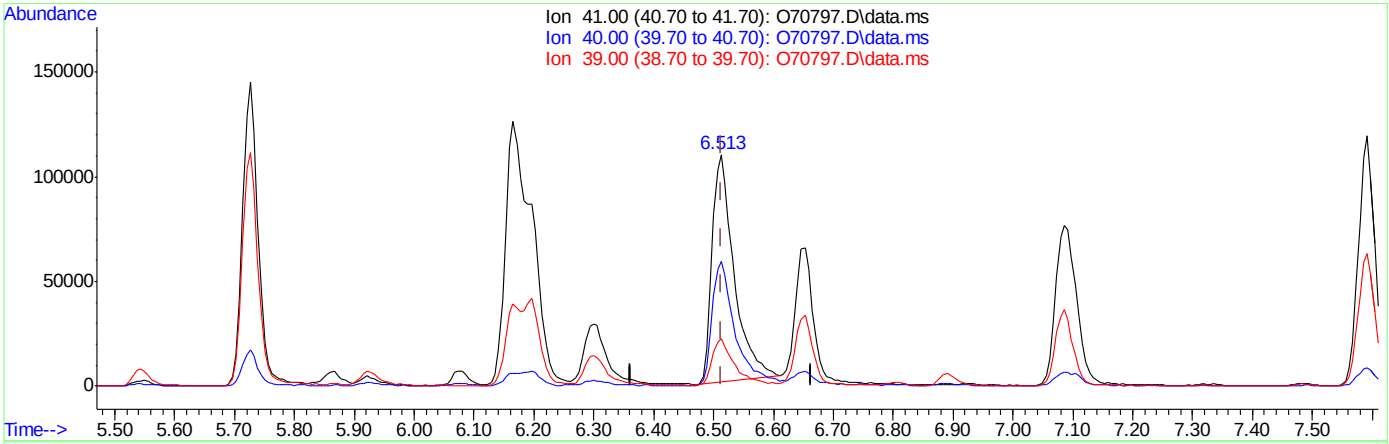
response 166581

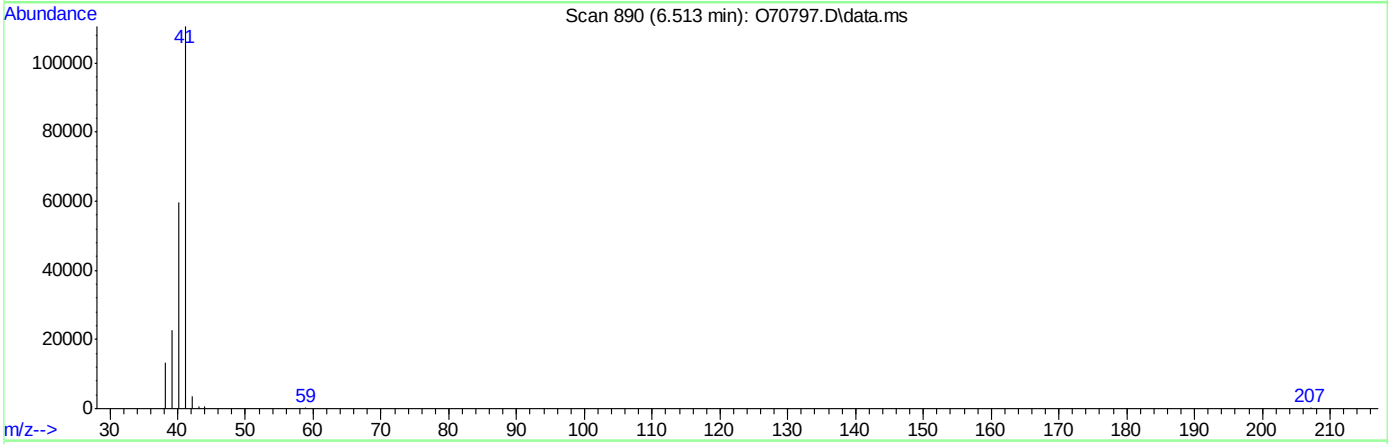
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	196.53
43.00	133.10	133.39
41.00	145.50	149.78

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 360.32ug/L

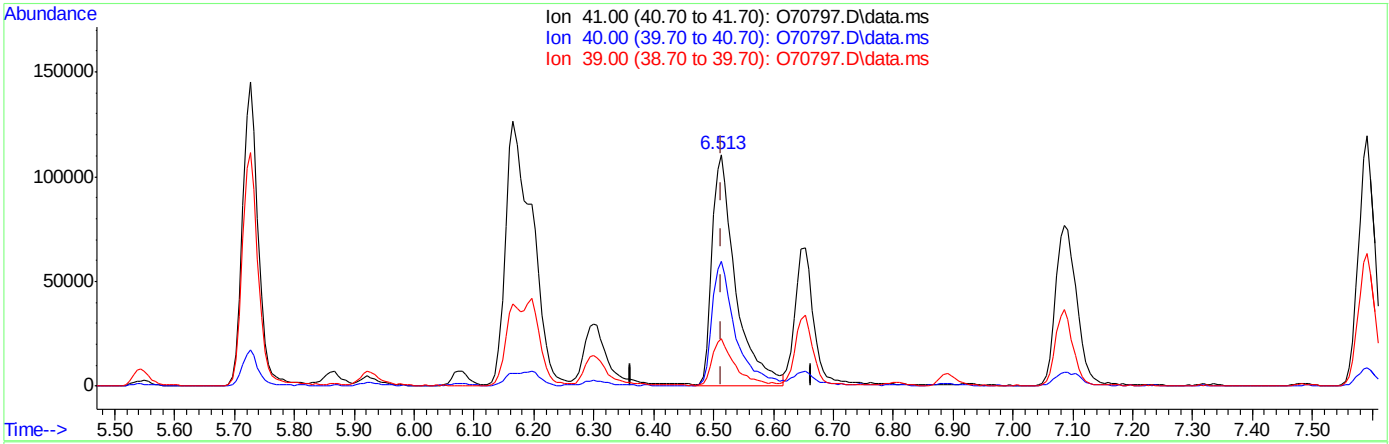
response 276594

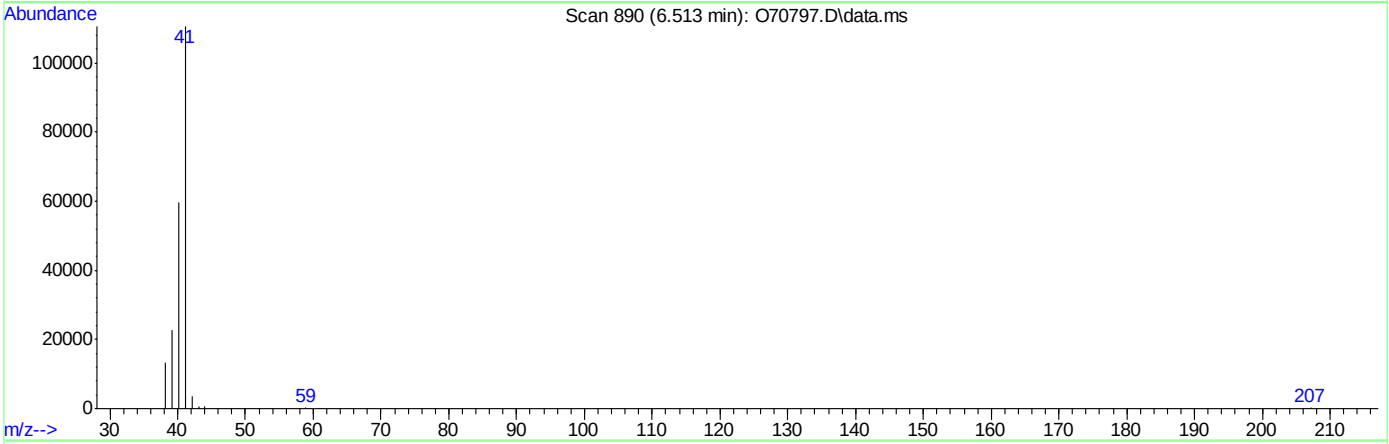
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.00
39.00	20.00	20.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 393.96ug/L m

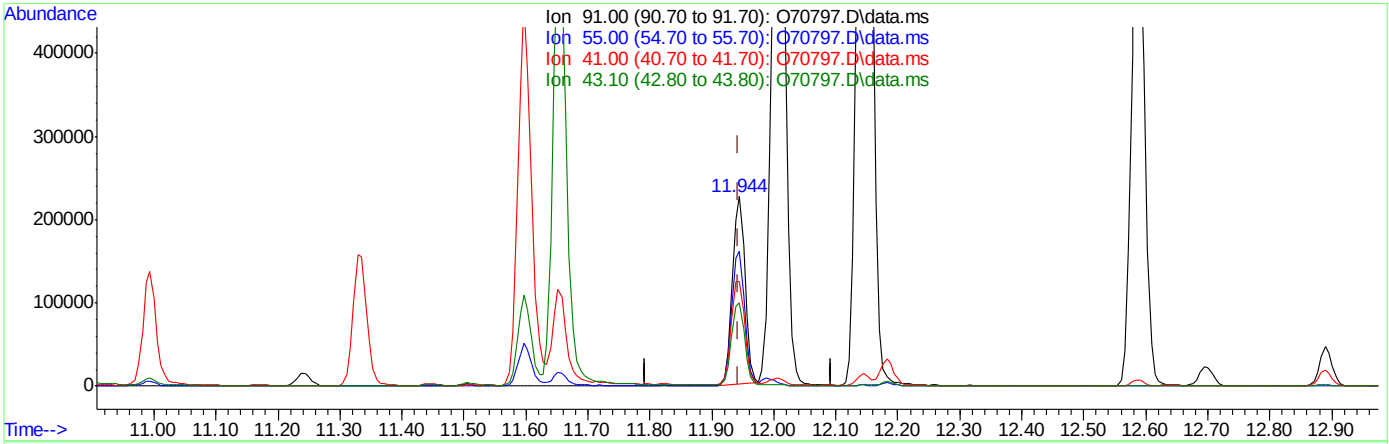
response 302489

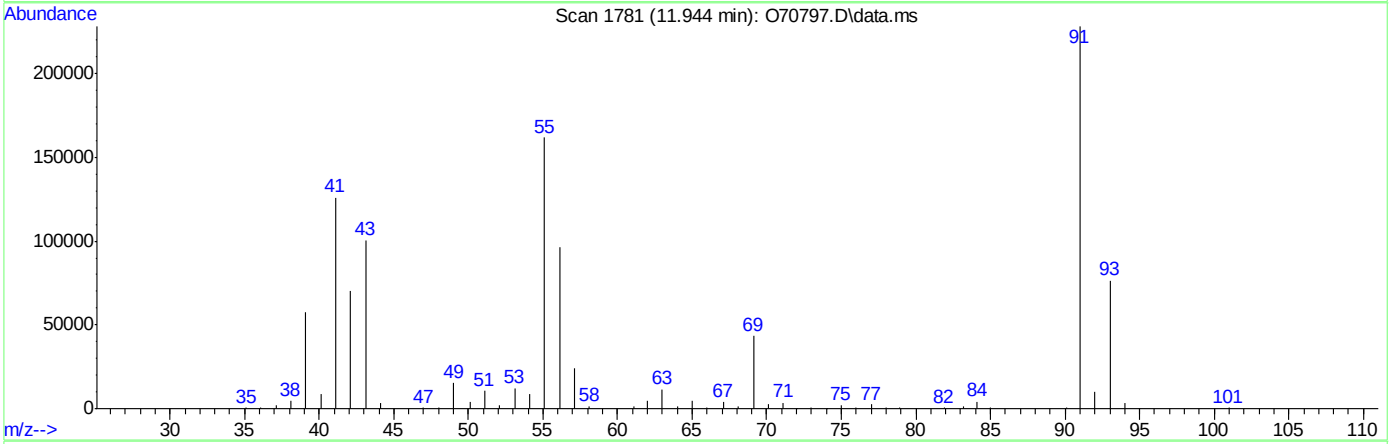
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	53.98
39.00	20.00	20.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 40.98ug/L

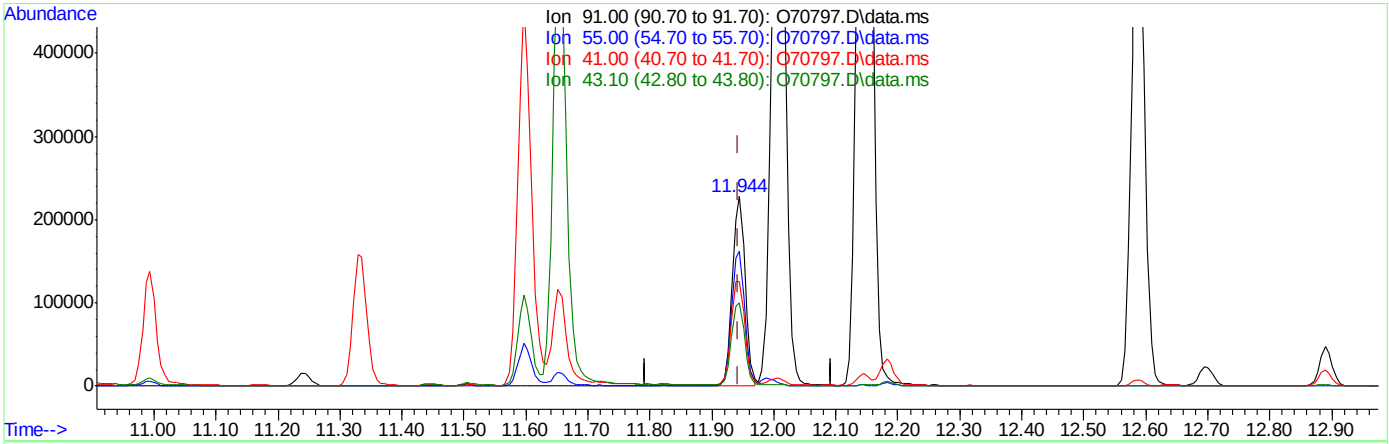
response 312670

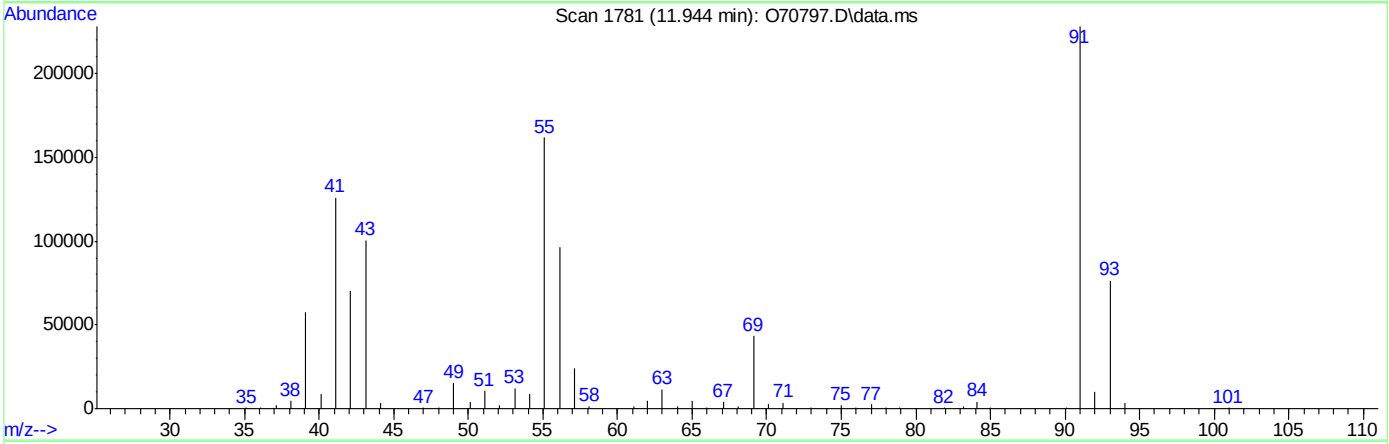
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.56
41.00	54.70	54.39
43.10	44.50	43.39

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 42.13ug/L m

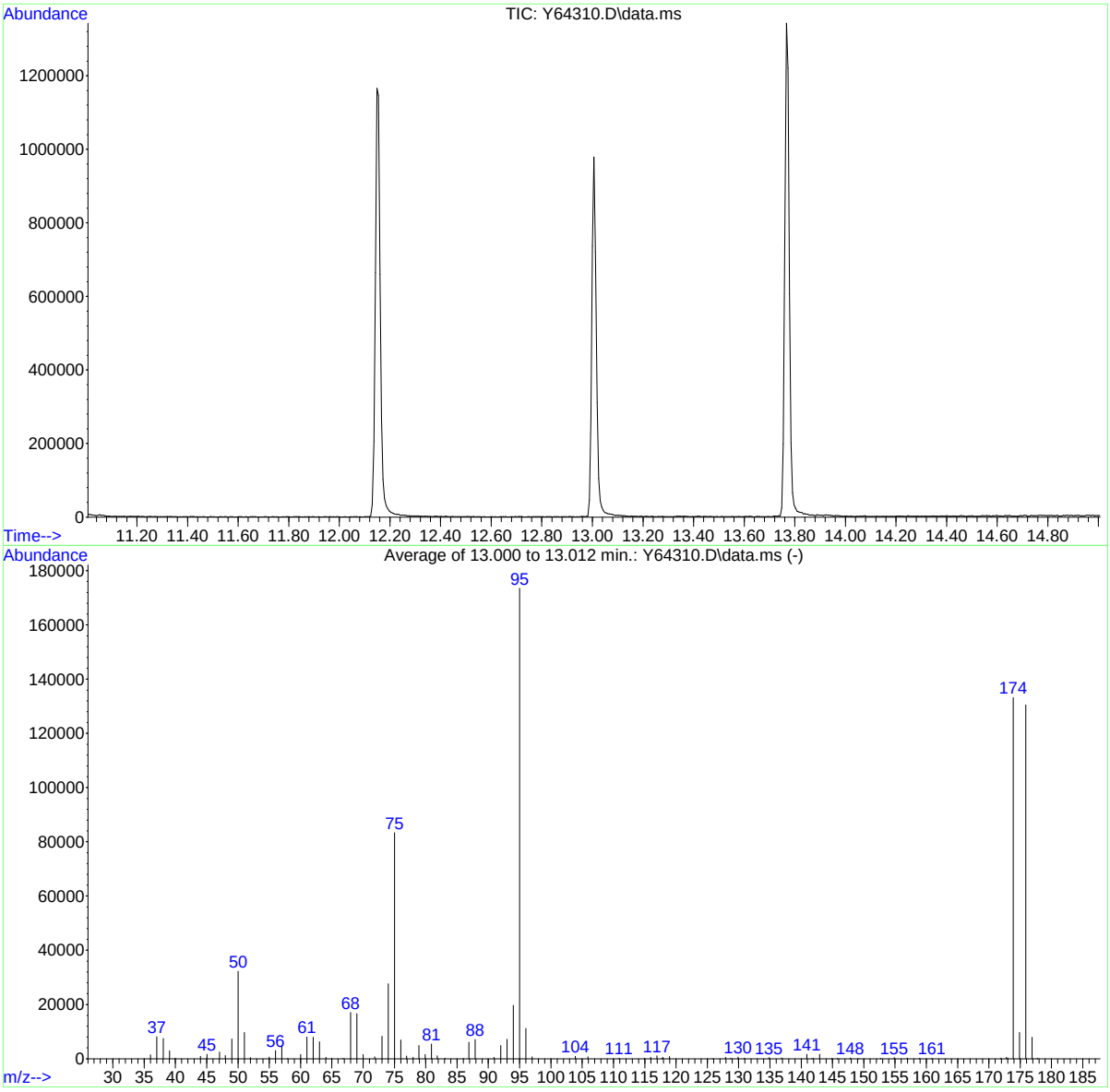
response 321445

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.88
41.00	54.70	55.14
43.10	44.50	44.04

Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\2022-08-29\Y64310.D Vial: 2
Acq On : 29 Aug 2022 12:11 pm Operator: joannel
Sample : BFB Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1835, 1836, 1837; Background Corrected with Scan 1827

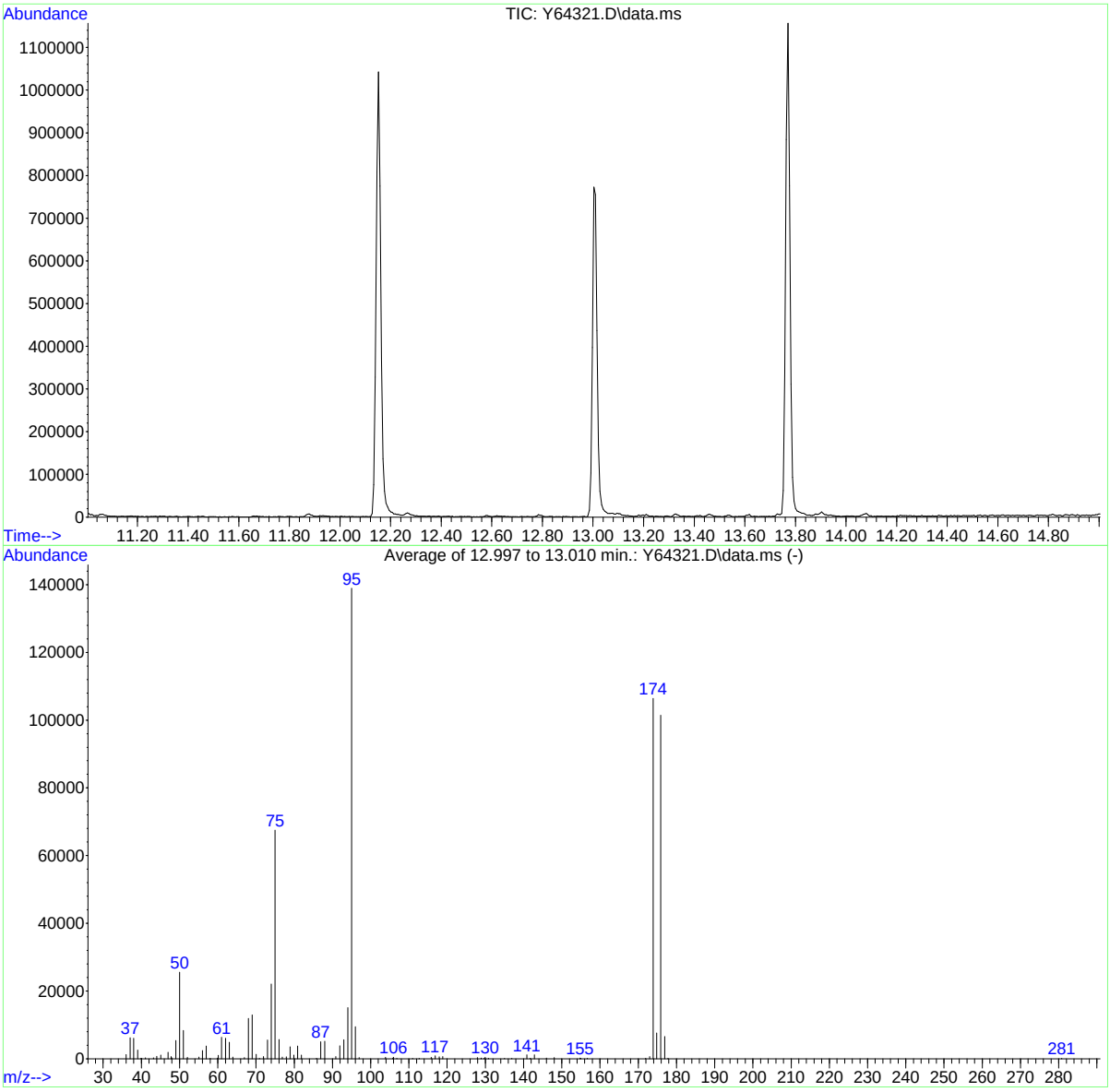
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.6	32288	PASS
75	95	30	60	48.0	83378	PASS
95	95	100	100	100.0	173525	PASS
96	95	5	9	6.4	11168	PASS
173	174	0.00	2	0.4	482	PASS
174	95	50	100	76.8	133221	PASS
175	174	5	9	7.3	9708	PASS
176	174	95	101	97.9	130461	PASS
177	176	5	9	6.1	7943	PASS

Y64310.D APPIX_08-29-2022_Y.M Tue Aug 30 15:12:13 2022

Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\2022-08-30\Y64321.D Vial: 1
Acq On : 30 Aug 2022 10:47 am Operator: joannel
Sample : BFB Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



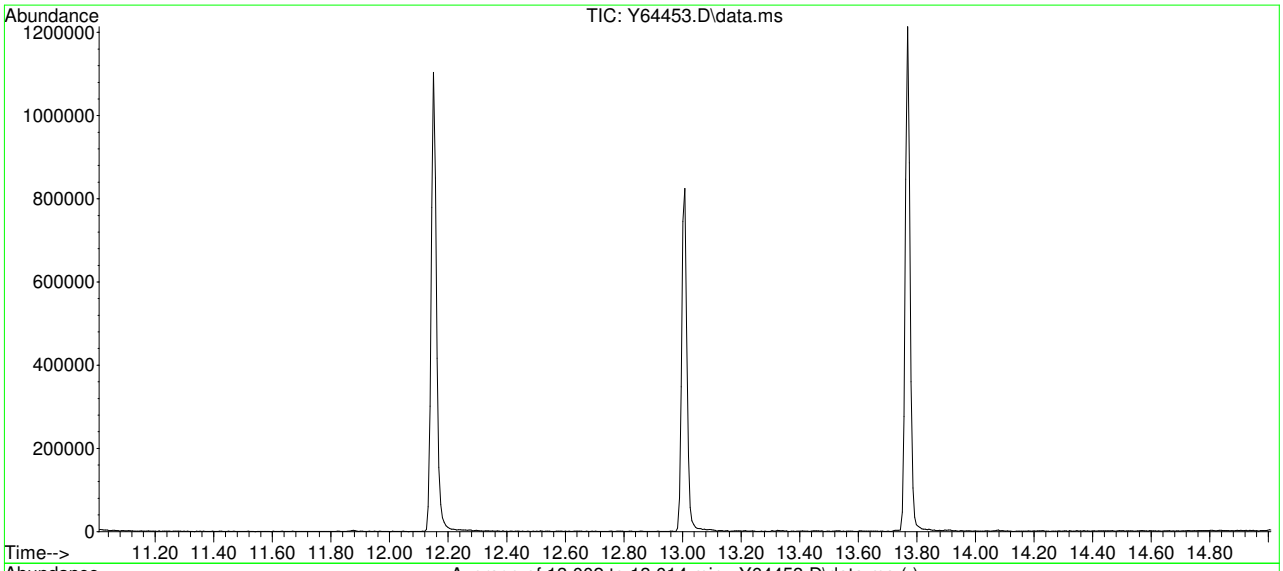
AutoFind: Scans 1834, 1835, 1836; Background Corrected with Scan 1828

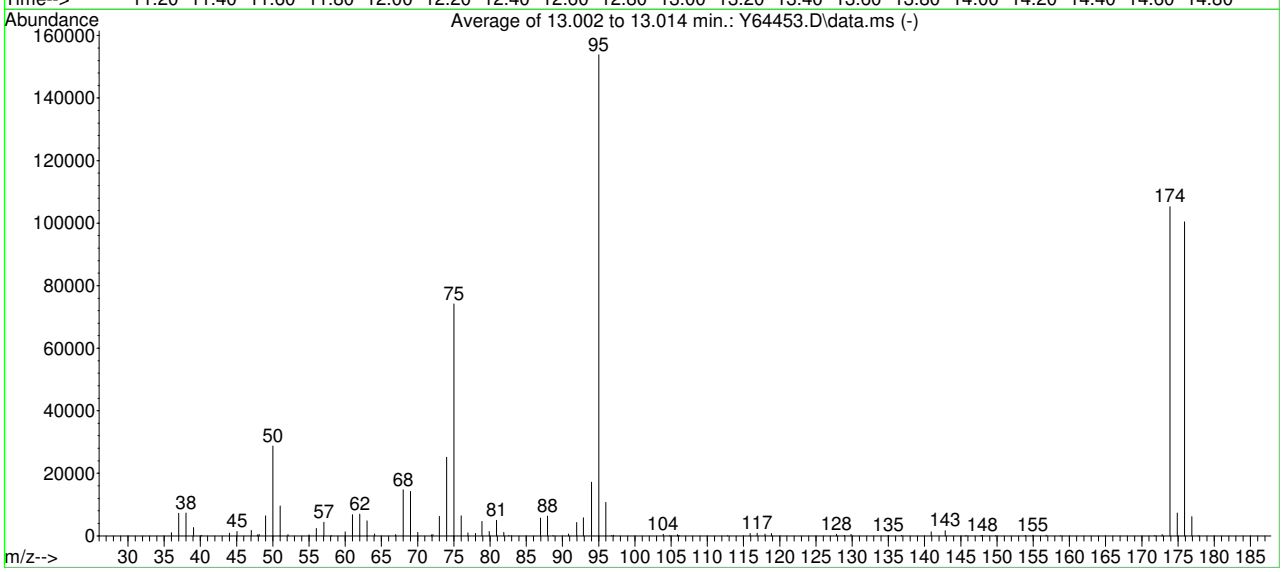
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	25536	PASS
75	95	30	60	48.6	67536	PASS
95	95	100	100	100.0	138954	PASS
96	95	5	9	6.8	9434	PASS
173	174	0.00	2	0.6	622	PASS
174	95	50	100	76.6	106418	PASS
175	174	5	9	7.1	7583	PASS
176	174	95	101	95.4	101480	PASS
177	176	5	9	6.5	6567	PASS

Y64321.D APPIX_08-29-2022_Y.M Tue Aug 30 15:21:08 2022

Methods: SW-846 8260B
Data File : C:\msdchem\1\data\jo...-2022\vy2672\Y64453.D Vial: 1
Acq On : 3 Sep 2022 10:04 am Operator: adelardl
Sample : BFB Inst : MSVOA14-Y
Misc : MS52207,VY2672,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B





AutoFind: Scans 1835, 1836, 1837; Background Corrected with Scan 1829

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	28760	PASS
75	95	30	60	48.2	74152	PASS
95	95	100	100	100.0	153813	PASS
96	95	5	9	7.0	10712	PASS
173	174	0.00	2	0.4	401	PASS
174	95	50	100	68.4	105275	PASS
175	174	5	9	6.9	7304	PASS
176	174	95	101	95.4	100395	PASS
177	176	5	9	6.1	6112	PASS

Y64453.D APPIX_08-29-2022_Y.M Mon Sep 05 01:44:39 2022

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:08:00 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.720	96	1304217	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.644	117	892129	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	401789	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.265	113	262735	44.58	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 89.16%				
49) 1,2-Dichloroethane-d4	3.553	65	381615	41.54	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 83.08%				
63) Toluene-d8	4.651	98	1238365	52.07	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 104.14%				
86) 4-Bromofluorobenzene	6.496	174	311640	46.66	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.32%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.127	85	3574	0.73	ug/L		97
3) Chloromethane	1.247	50	3730	0.51	ug/L		96
4) 1,3-butadiene	1.321	39	3578	0.55	ug/L	#	75
5) Vinyl Chloride	1.305	62	4374	0.67	ug/L		95
6) Bromomethane	1.514	94	3340	1.31	ug/L		93
7) Chloroethane	1.587	64	2508	1.12	ug/L		86
8) Trichlorofluoromethane	1.687	101	4423	0.76	ug/L		98
9) Ethyl Ether	1.880	59	4098	0.67	ug/L	#	81
10) Ethanol	1.948	45	3081	12.83	ug/L		97
11) 1,2-Dichlorotrifluoroe...	1.979	67	3561	0.67	ug/L		96
12) 1,1-Dichloroethene	1.985	61	4997	0.59	ug/L		94
13) Freon 113	2.021	101	2875	0.66	ug/L	#	83
14) Carbon Disulfide	2.006	76	8522	0.84	ug/L		99
15) Iodomethane	2.068	142	1647	0.28	ug/L		90
16) Acrolein	2.157	56	6920	3.30	ug/L		96
17) Allyl chloride	2.251	41	3882	0.51	ug/L		88
18) Methylene Chloride	2.303	49	22978	1.88	ug/L		82
19) Acetone	2.319	43	23241	5.06	ug/L		85
20) Methyl acetate	2.398	43	25726	2.50	ug/L		89
21) trans-1,2-Dichloroethene	2.408	61	4958	0.57	ug/L	#	64
22) Hexane	2.471	56	2541	0.57	ug/L	#	69
23) Methyl Tert Butyl Ether	2.471	73	11584	0.72	ug/L		90
24) Tert Butyl Alcohol	2.497	59	15715	6.54	ug/L		95
25) Acetonitrile	2.554	41	10318	5.97	ug/L		93
26) Di-isopropyl ether	2.685	45	10876	0.51	ug/L		83
27) Chloroprene	2.732	53	20115	0.60	ug/L		89
28) 1,1-Dichloroethane	2.732	63	6975	0.65	ug/L		96
29) Acrylonitrile	2.732	52	16323	3.74	ug/L	#	77
30) ETBE	2.884	59	12215	0.59	ug/L		89
31) Vinyl acetate	2.863	43	49819	3.22	ug/L		99
32) cis-1,2-Dichloroethene	3.025	96	4205	0.81	ug/L	#	81
33) 2,2-Dichloropropane	3.088	77	4472	0.66	ug/L		92
34) Bromochloromethane	3.124	128	2046	0.88	ug/L	#	57
35) Cyclohexane	3.166	56	5756	0.52	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:08:00 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.171	83	6236	0.66	ug/L		86
37) Ethyl acetate	3.229	43	39999	3.20	ug/L		91
38) Tetrahydrofuran	3.260	42	3036	0.58	ug/L	#	45
40) Carbon Tetrachloride	3.271	117	3481m	0.65	ug/L		
41) 1,1,1-Trichloroethane	3.297	97	5280	0.70	ug/L		91
42) 2-Butanone	3.318	43	39494	5.20	ug/L		81
43) 1,1-Dichloropropene	3.365	75	4992	0.70	ug/L		91
44) tert-Butyl formate	3.412	59	11587	3.27	ug/L	#	83
45) Propionitrile	3.459	54	14196	6.21	ug/L		98
46) Methacrylonitrile	3.485	41	35516	4.94	ug/L		96
47) Benzene	3.495	78	16815	0.77	ug/L	#	64
48) TAME	3.569	73	10665	0.69	ug/L		95
50) Isobutyl alcohol	3.579	43	13077m	9.38	ug/L		
51) 1,2-Dichloroethane	3.590	62	6285	0.67	ug/L		86
52) Tert Amyl Alcohol	3.642	59	9886	5.46	ug/L	#	70
53) Trichloroethene	3.830	95	4974	0.93	ug/L		90
54) Methylcyclohexane	3.846	83	5002	0.66	ug/L	#	81
55) Dibromomethane	4.050	93	2414	0.80	ug/L		76
56) 1,2-Dichloropropane	4.112	63	3763	0.62	ug/L		92
57) Bromodichloromethane	4.149	83	3228	0.65	ug/L		88
58) Methyl methacrylate	4.238	41	4252	0.51	ug/L	#	84
59) 1,4-Dioxane	4.259	88	2736	16.46	ug/L		80
60) 2-Chloroethyl vinyl ether	4.478	63	15384	3.18	ug/L		80
61) cis-1,3-Dichloropropene	4.520	75	4141	0.59	ug/L		88
64) Toluene	4.682	91	19190	0.92	ug/L		91
65) 2-Nitropropane	4.776	41	4134	1.83	ug/L	#	79
66) 4-Methyl-2-pentanone	4.891	43	42161	3.76	ug/L		94
67) trans-1,3-Dichloropropene	4.918	75	3792	0.65	ug/L		84
68) Tetrachloroethene	4.938	166	4054	0.80	ug/L		90
69) Ethyl methacrylate	5.032	69	4575	0.62	ug/L	#	80
70) 1,1,2-Trichloroethane	5.022	83	3028	0.82	ug/L		86
71) Dibromochloromethane	5.142	129	2030	0.64	ug/L		86
72) 1,3-Dichloropropane	5.200	76	7245	0.87	ug/L	#	74
73) 1,2-Dibromoethane	5.294	107	3358	0.76	ug/L		90
74) 3,3-dimethyl-1-butanol	5.414	57	56387	23.02	ug/L		94
75) 2-hexanone	5.430	43	46159	3.39	ug/L		79
76) 1-Chlorohexane	5.649	91	6715m	1.00	ug/L		
77) Ethylbenzene	5.681	91	20142	0.88	ug/L		96
78) Chlorobenzene	5.655	112	11307	0.92	ug/L		96
79) 1,1,1,2-Tetrachloroethane	5.696	131	2585	0.73	ug/L		90
80) m,p-Xylene	5.780	91	30713	1.70	ug/L		93
81) o-Xylene	6.078	91	14421	0.81	ug/L		96
82) Styrene	6.115	104	10442	0.78	ug/L		85
83) Bromoform	6.120	173	935m	0.54	ug/L		
84) Isopropylbenzene	6.308	105	16684	0.82	ug/L		94
87) cis-1,4-Dichloro-2-butene	6.528	53	1764	0.69	ug/L	#	64
88) n-Propylbenzene	6.611	91	20338	0.90	ug/L		99
89) Bromobenzene	6.575	156	4112	0.88	ug/L	#	81
90) 1,1,2,2-Tetrachloroethane	6.627	83	5436	0.88	ug/L		97
91) 1,3,5-Trimethylbenzene	6.758	105	13433	0.85	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:08:00 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

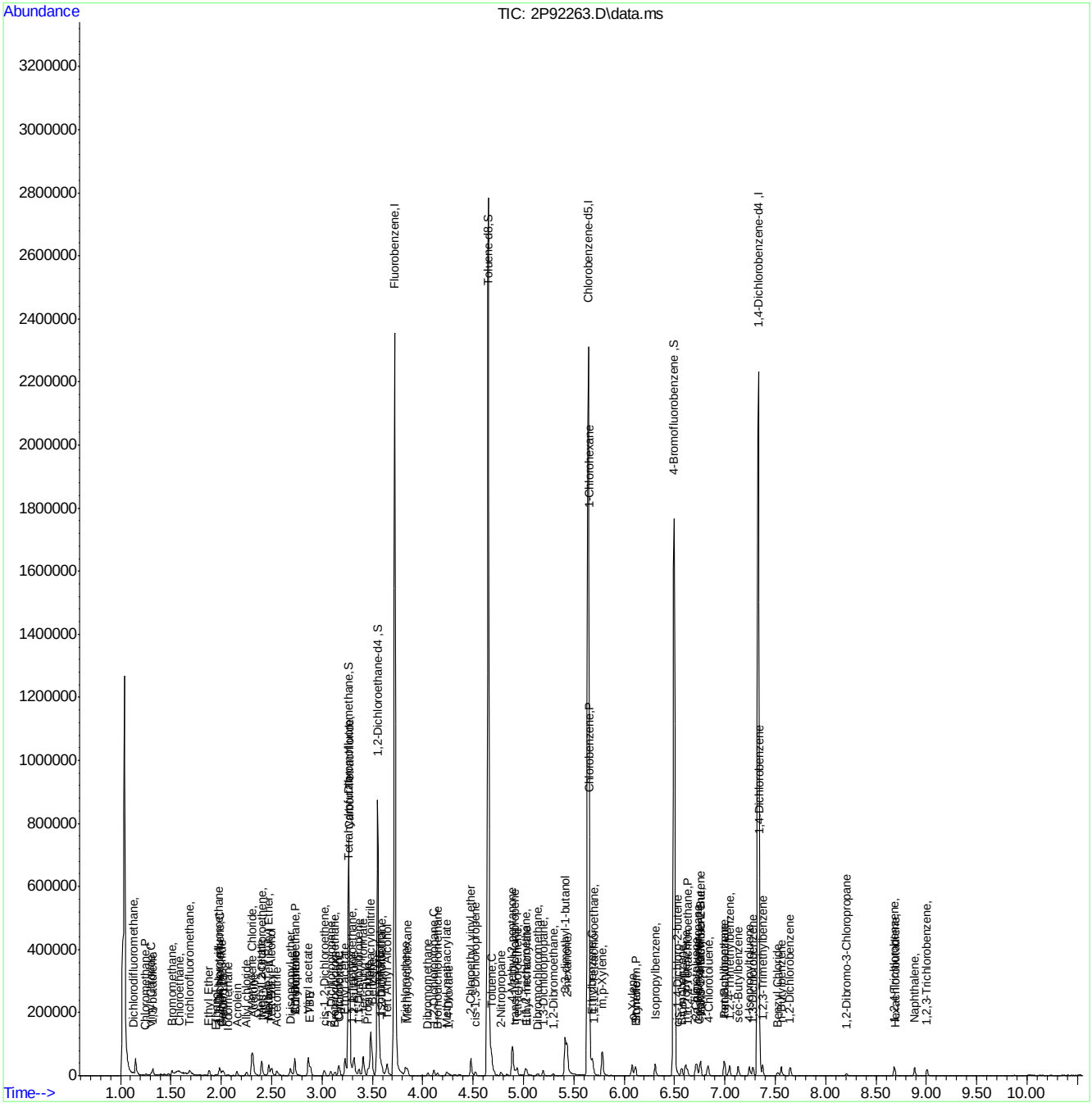
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.711	91	12229	0.89	ug/L		99
93)	trans-1,4-Dichloro-2-B...	6.758	53	2321	0.70	ug/L	#	77
94)	1,2,3-Trichloropropane	6.726	110	2170	0.95	ug/L		79
95)	Cyclohexanone	6.747	55	2532	4.30	ug/L		89
96)	4-Chlorotoluene	6.836	91	13399	0.94	ug/L		95
97)	tert-Butylbenzene	6.993	91	7248	0.83	ug/L		96
99)	1,2,4-Trimethylbenzene	7.045	105	13729	0.90	ug/L		96
100)	Pentachloroethane	6.998	167	1229	0.69	ug/L	#	23
101)	sec-Butylbenzene	7.134	105	14679	0.87	ug/L		97
102)	4-Isopropyltoluene	7.244	119	11513	0.80	ug/L		97
103)	1,3-Dichlorobenzene	7.275	146	7813	0.93	ug/L		98
104)	1,2,3-Trimethylbenzene	7.375	105	13562	0.88	ug/L		96
105)	1,4-Dichlorobenzene	7.343	146	8240m	0.91	ug/L		
106)	n-Butylbenzene	7.563	92	5703	0.79	ug/L		92
107)	Benzyl Chloride	7.521	126	838m	0.62	ug/L		
108)	1,2-Dichlorobenzene	7.646	146	7308	0.89	ug/L		90
109)	1,2-Dibromo-3-Chloropr...	8.206	75	932m	0.74	ug/L		
110)	Hexachlorobutadiene	8.692	225	1221	0.66	ug/L		89
111)	1,2,4-Trichlorobenzene	8.682	180	3782	0.83	ug/L		94
112)	Naphthalene	8.886	128	13112	0.84	ug/L		98
113)	1,2,3-Trichlorobenzene	9.006	180	3832	0.89	ug/L		84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:08:00 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

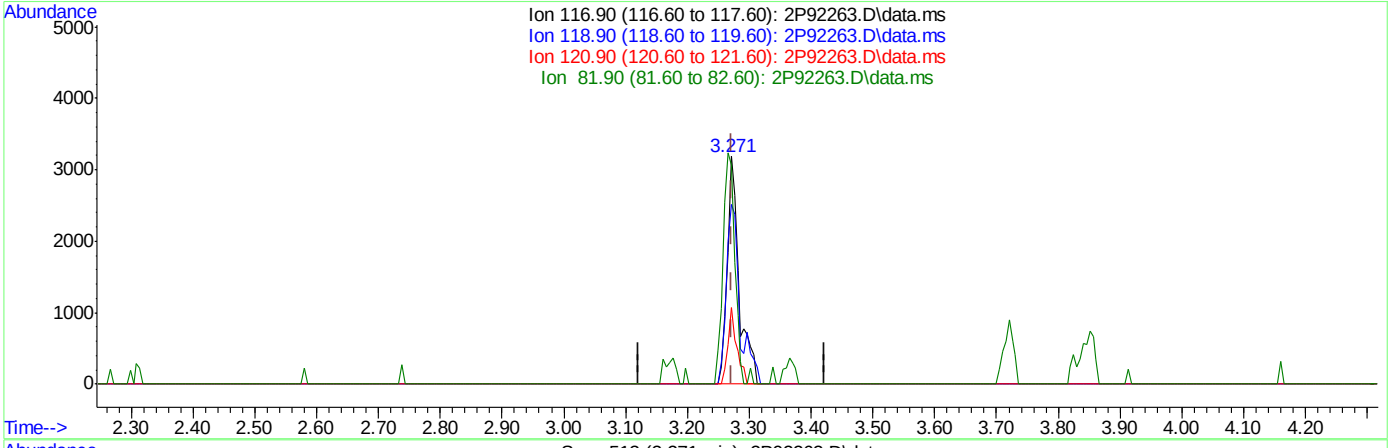
Sample Number: V2P3560-IC3560 **Method:** SW846 8260D
Lab FileID: 2P92263.D **Analyst approved:** 08/24/22 10:09 Courtney Failla
Injection Time: 08/24/22 09:50 **Supervisor approved:** 08/25/22 11:34 Karen Watson

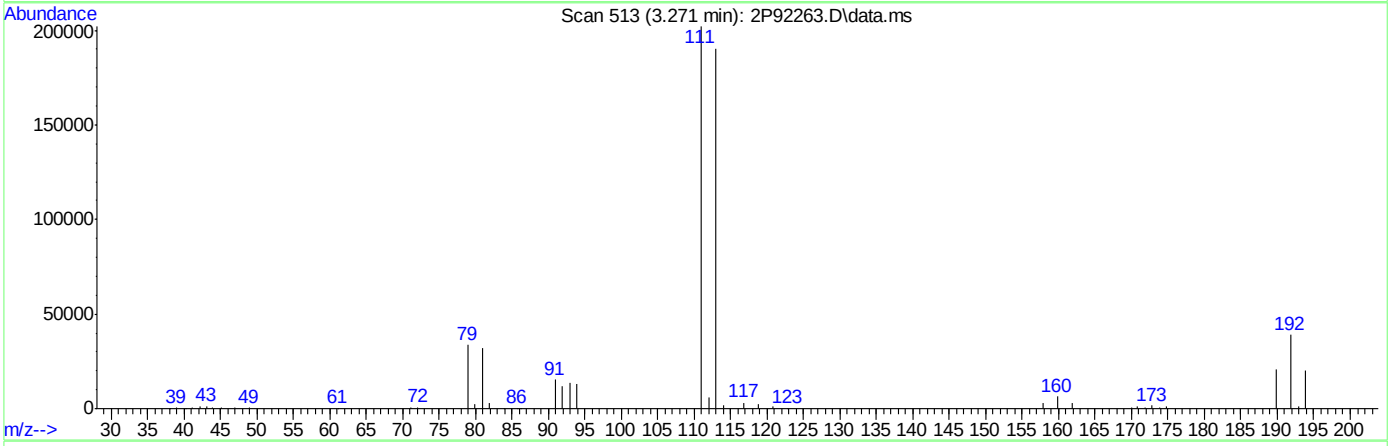
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration
Bromoform	75-25-2		6.12	Missed peak
1,4-Dichlorobenzene	106-46-7		7.34	Missed peak
Benzyl Chloride	100-44-7		7.52	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		8.21	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (-0.001) 0.79ug/L

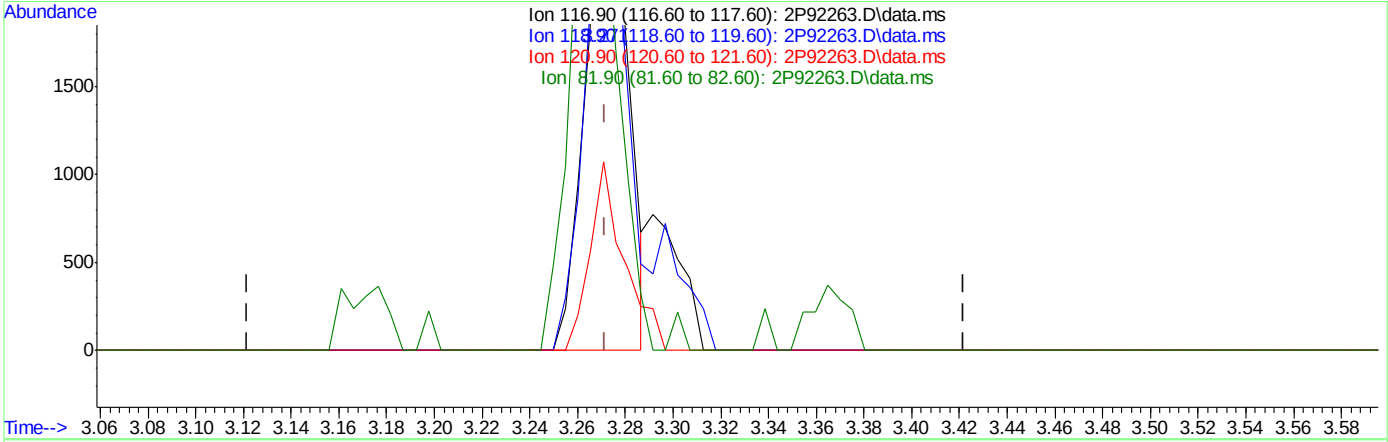
response 4233

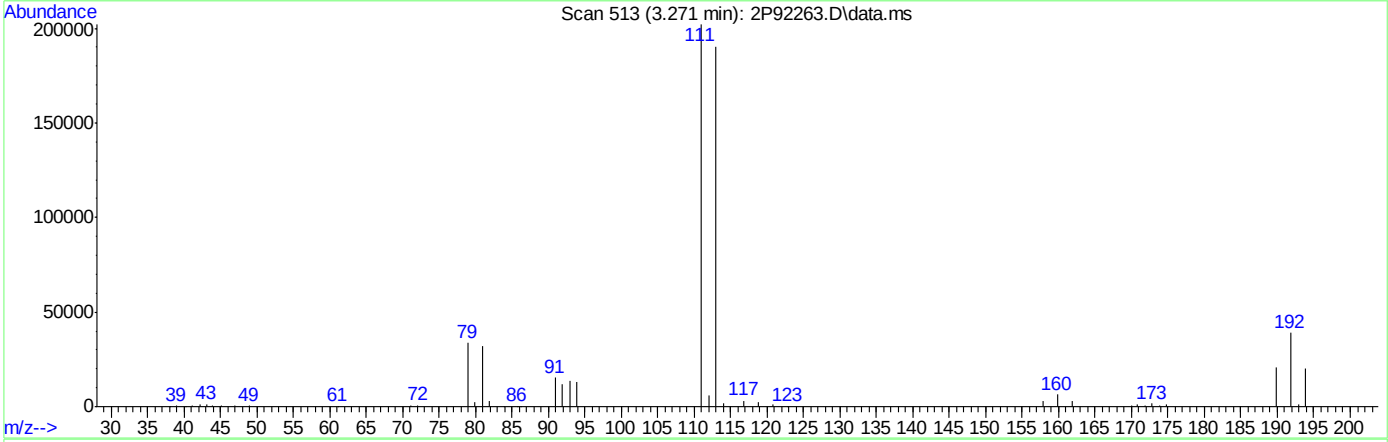
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	79.20
120.90	30.80	33.62
81.90	30.00	96.42#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (-0.001) 0.65ug/L m

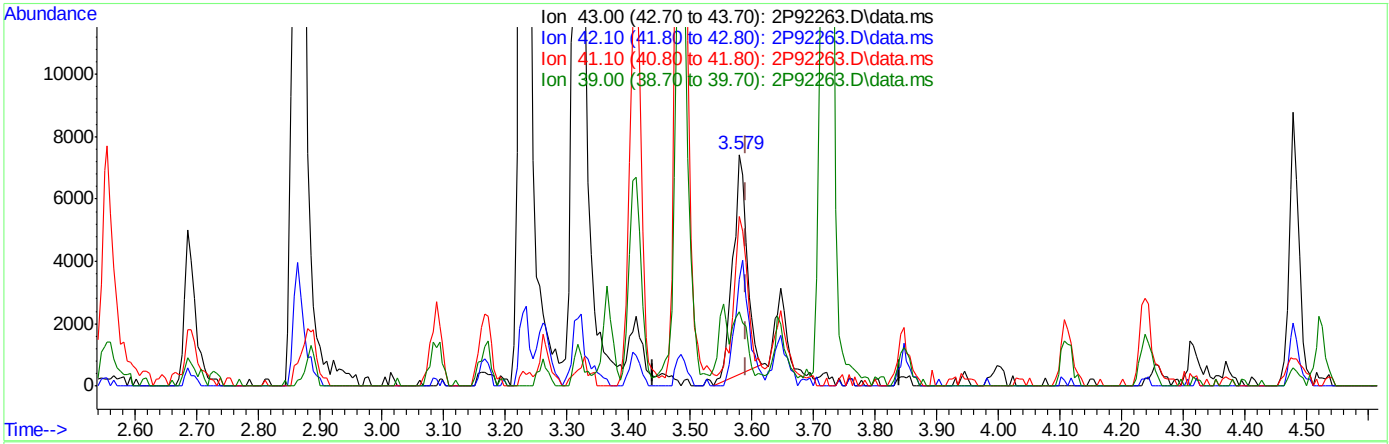
response 3481

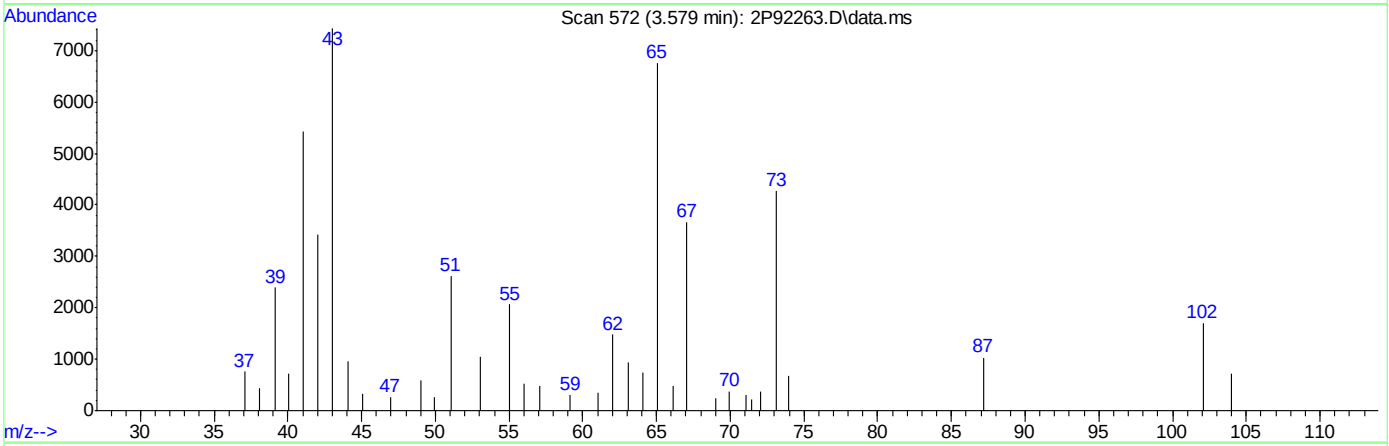
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	79.20
120.90	30.80	33.62
81.90	30.00	96.42#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(50) Isobutyl alcohol

3.579min (-0.012) 8.01ug/L

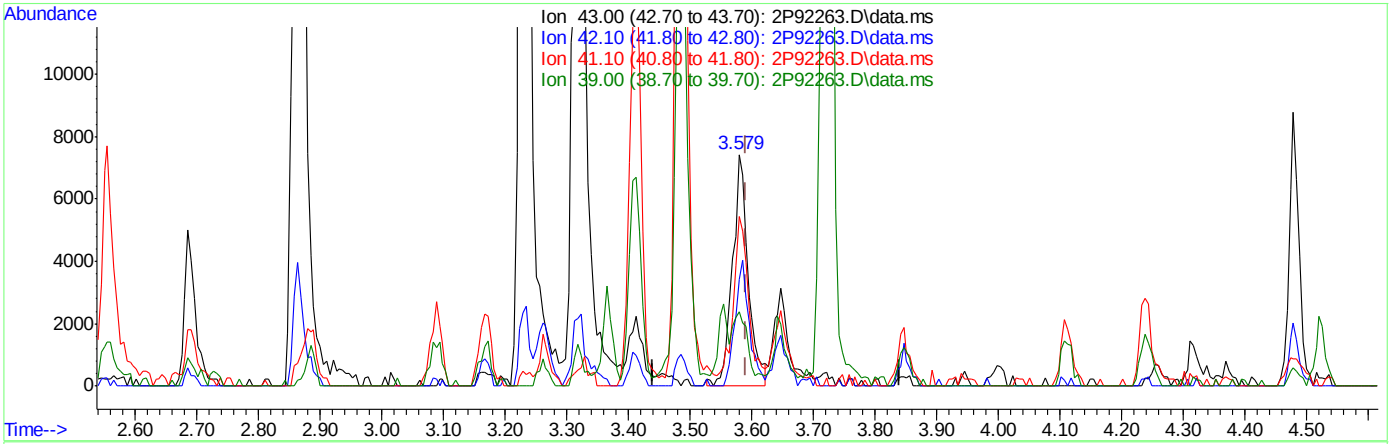
response 11164

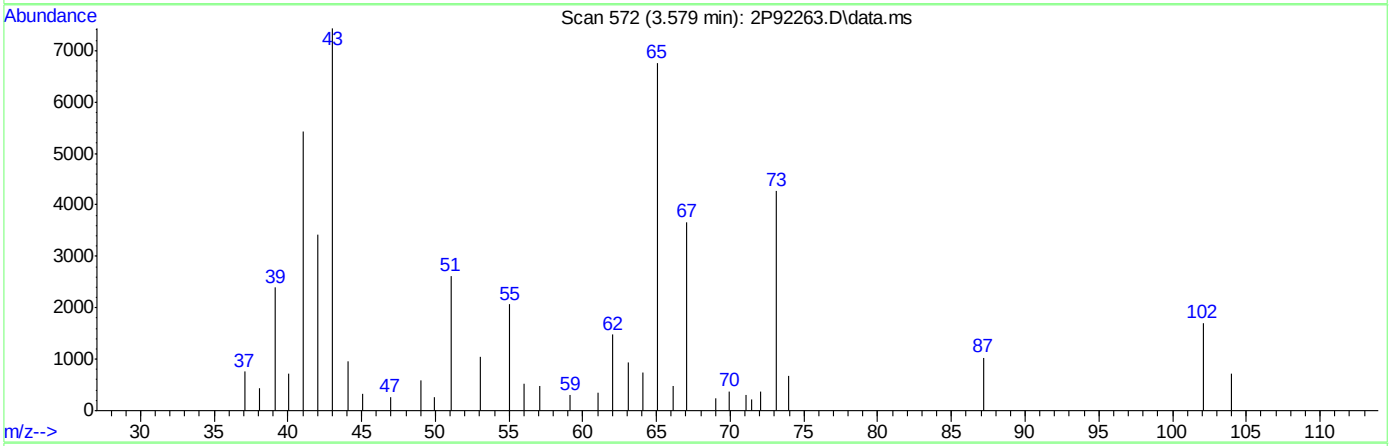
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	45.96
41.10	72.70	68.24
39.00	28.00	27.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(50) Isobutyl alcohol

3.579min (-0.012) 9.38ug/L m

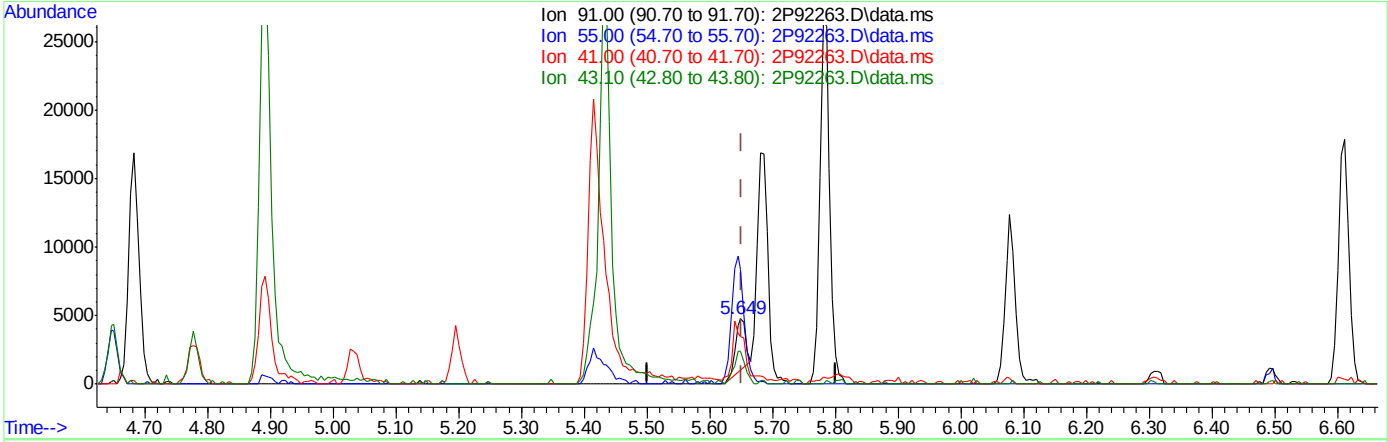
response 13077

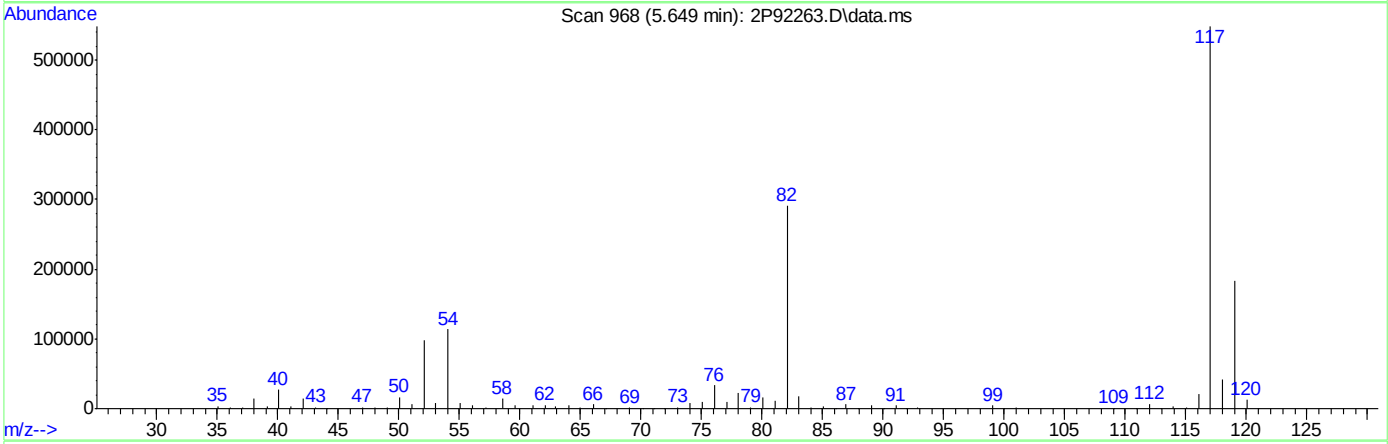
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	45.96
41.10	72.70	73.04
39.00	28.00	32.25

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 0.69ug/L

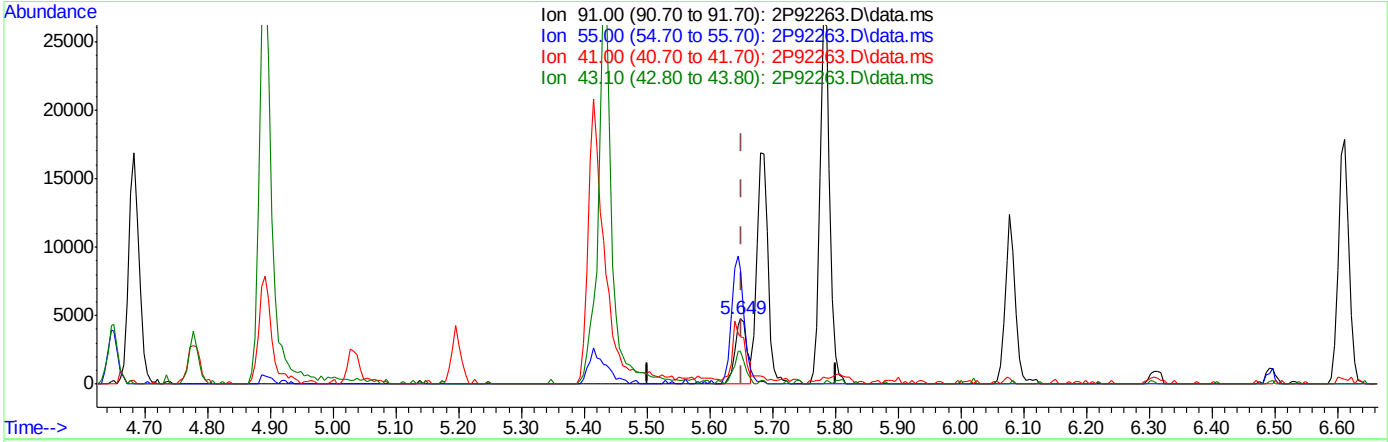
response 4594

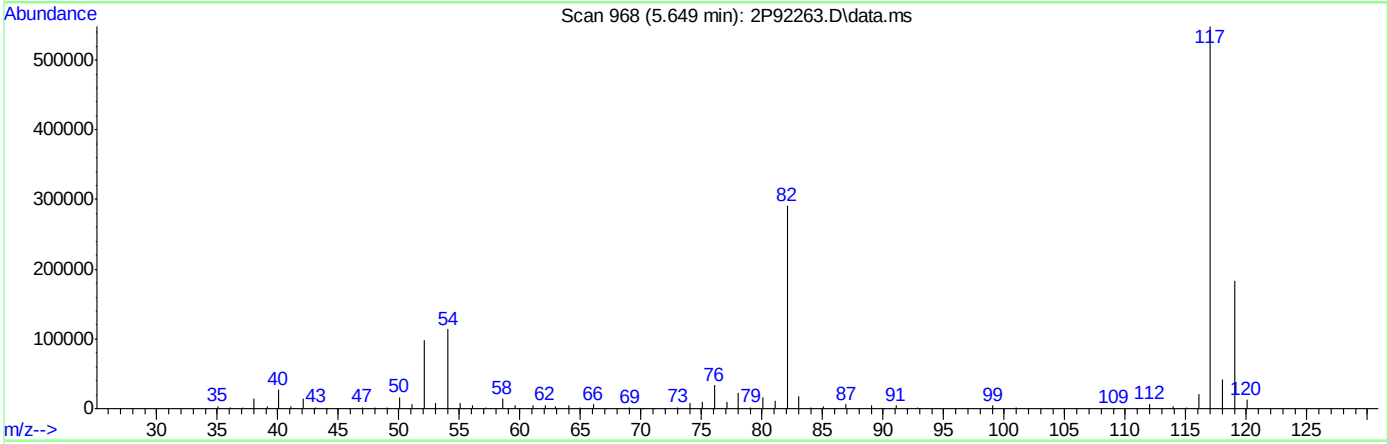
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	164.44#
41.00	83.00	62.38#
43.10	65.60	49.71

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 1.00ug/L m

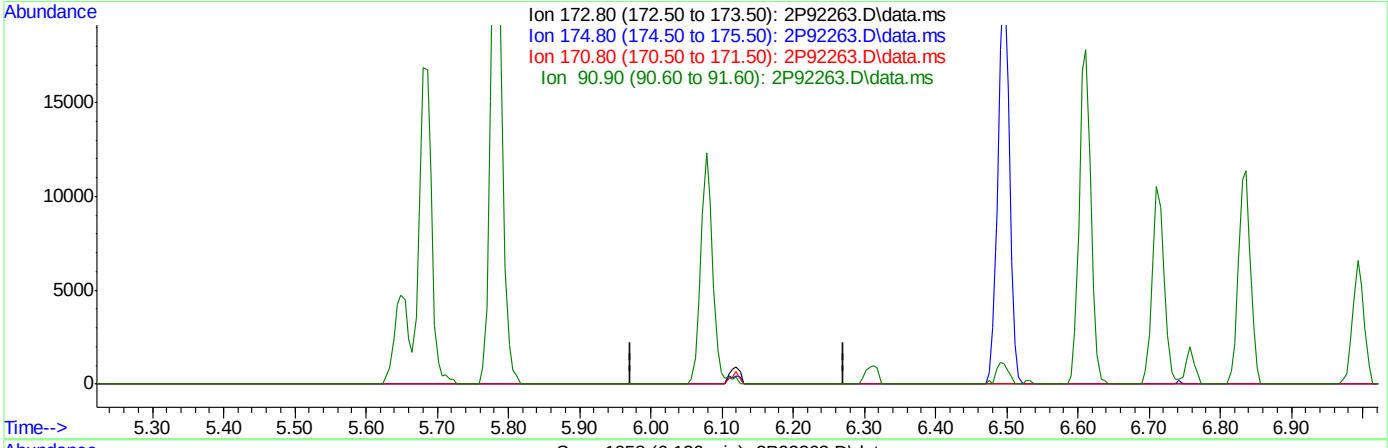
response 6715

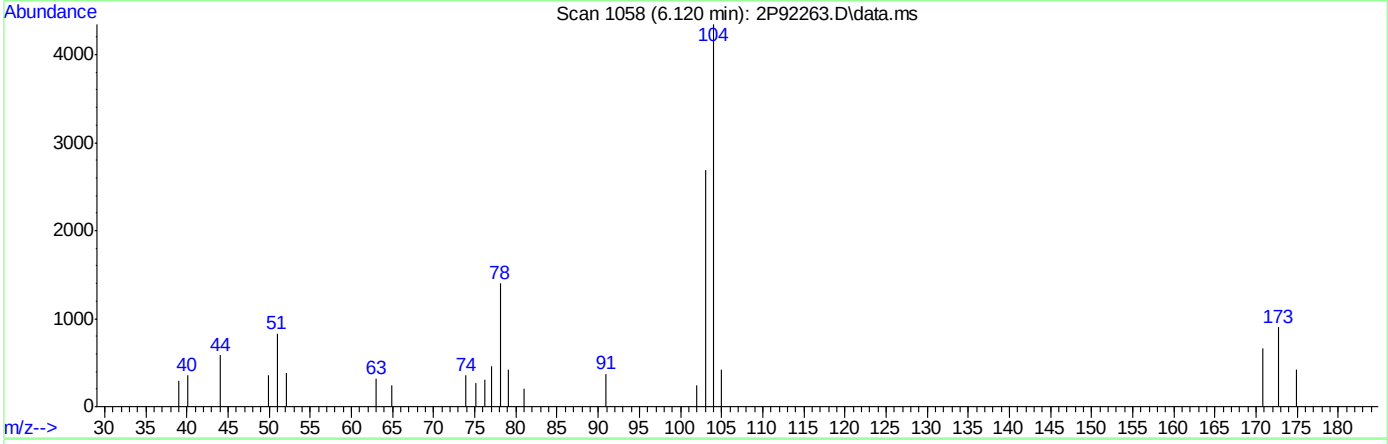
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	176.32#
41.00	83.00	73.01
43.10	65.60	49.71

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(83) Bromoform (P)

6.122min (-6.122) 0.00ug/L

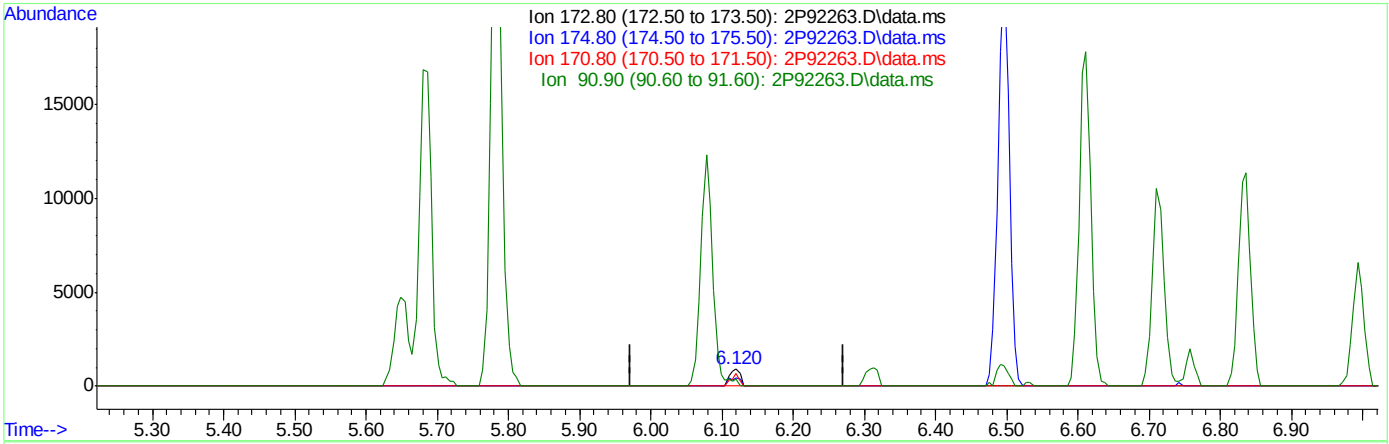
response 0

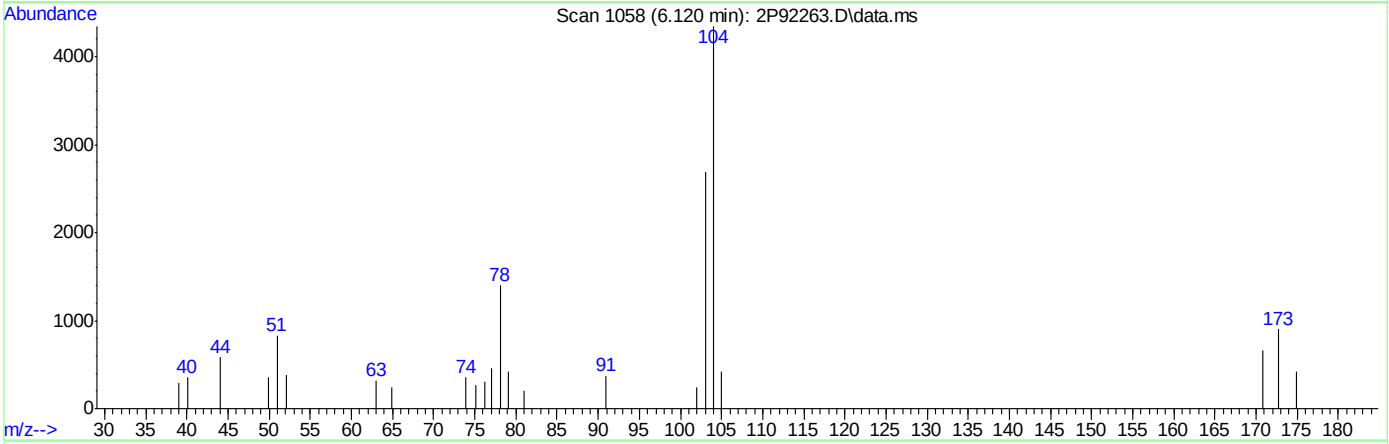
Ion	Exp%	Act%
172.80	100	0.00
174.80	46.40	0.00#
170.80	50.50	0.00#
90.90	21.40	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(83) Bromoform (P)

6.120min (-0.002) 0.54ug/L m

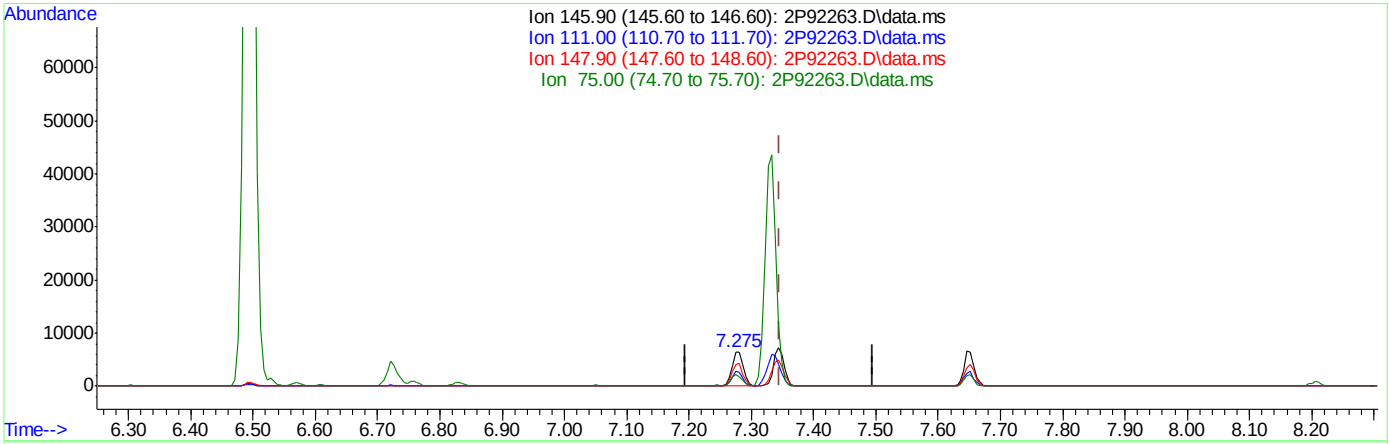
response 935

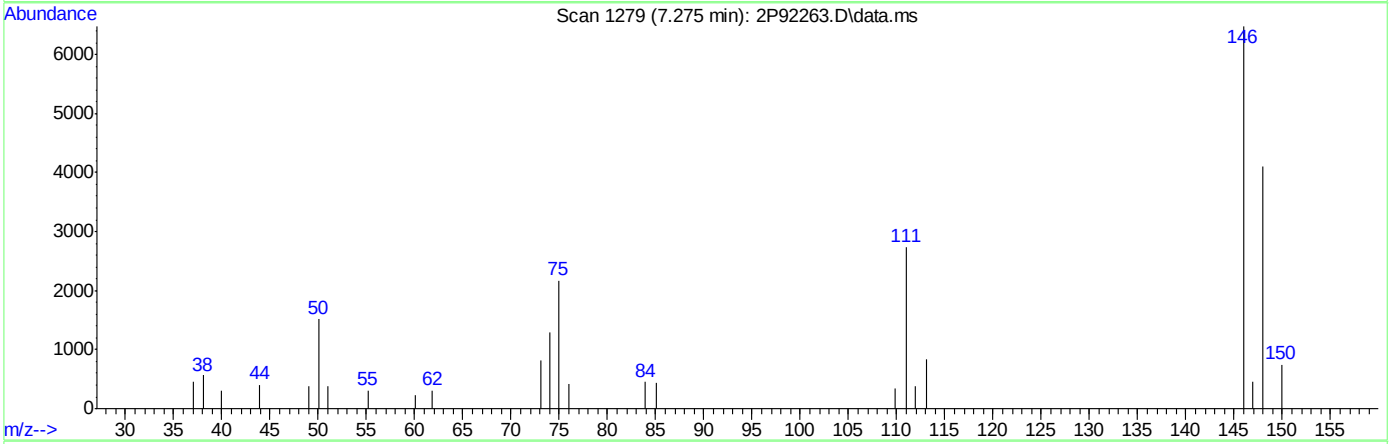
Ion	Exp%	Act%
172.80	100	100
174.80	46.40	47.28
170.80	50.50	73.03
90.90	21.40	41.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(105) 1,4-Dichlorobenzene

7.275min (-0.071) 0.87ug/L

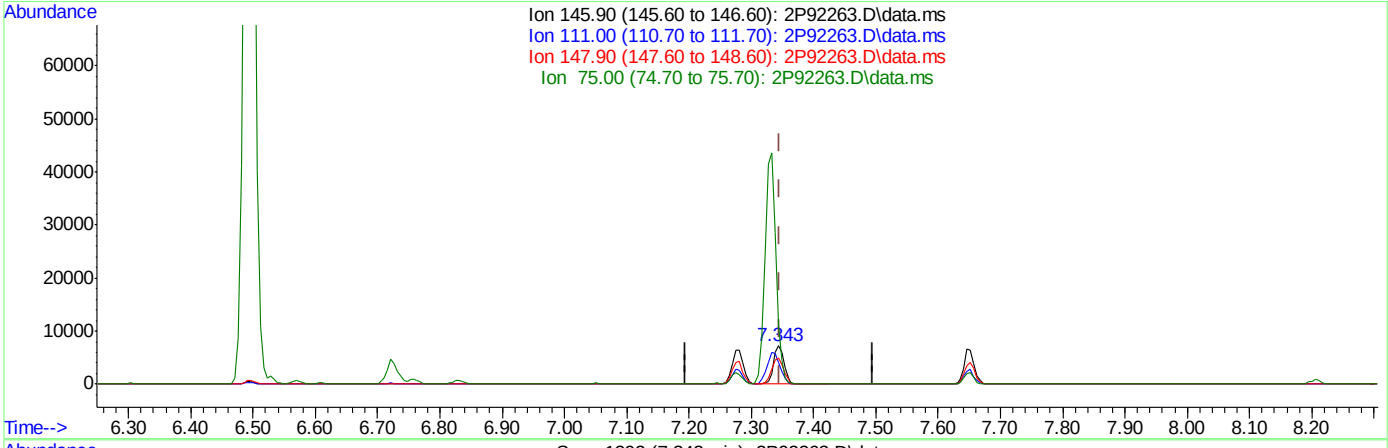
response 7813

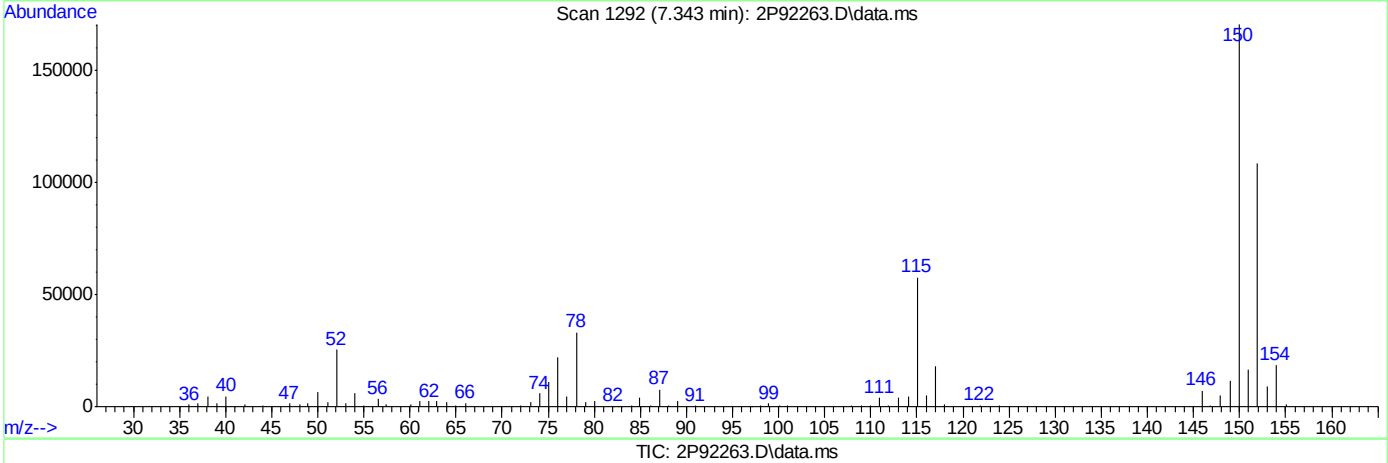
Ion	Exp%	Act%
145.90	100	100
111.00	38.90	42.36
147.90	61.90	63.43
75.00	34.60	33.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(105) 1,4-Dichlorobenzene

7.343min (-0.003) 0.91ug/L m

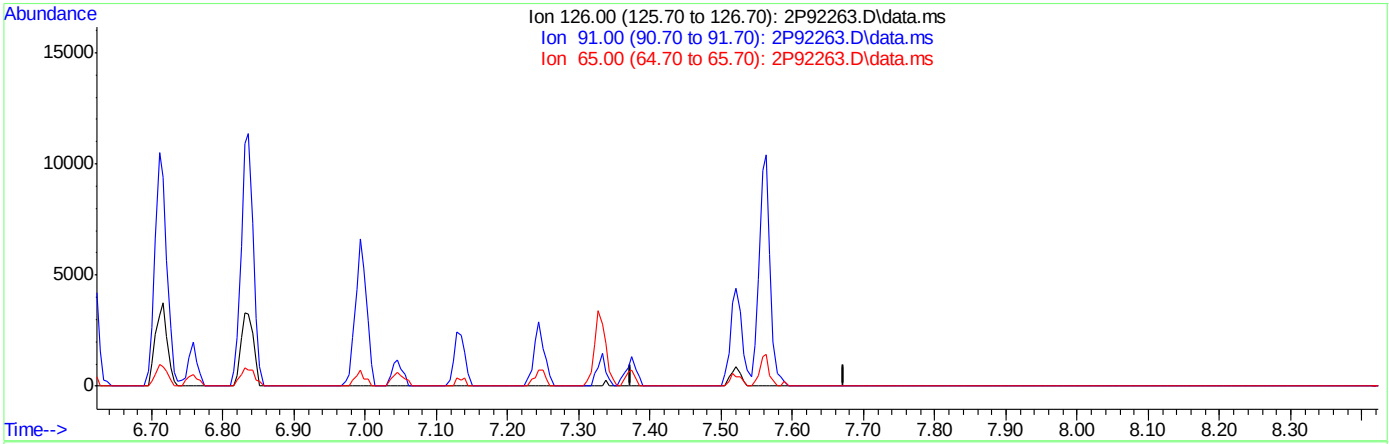
response 8240

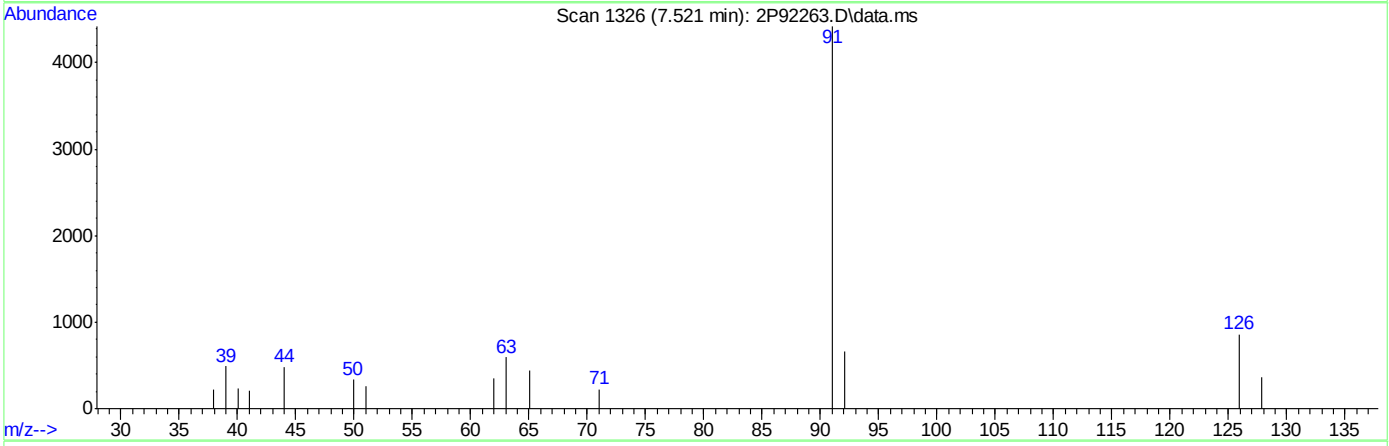
Ion	Exp%	Act%
145.90	100	100
111.00	38.90	55.61
147.90	61.90	69.94
75.00	34.60	155.89#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(107) Benzyl Chloride

7.523min (-7.523) 0.00ug/L

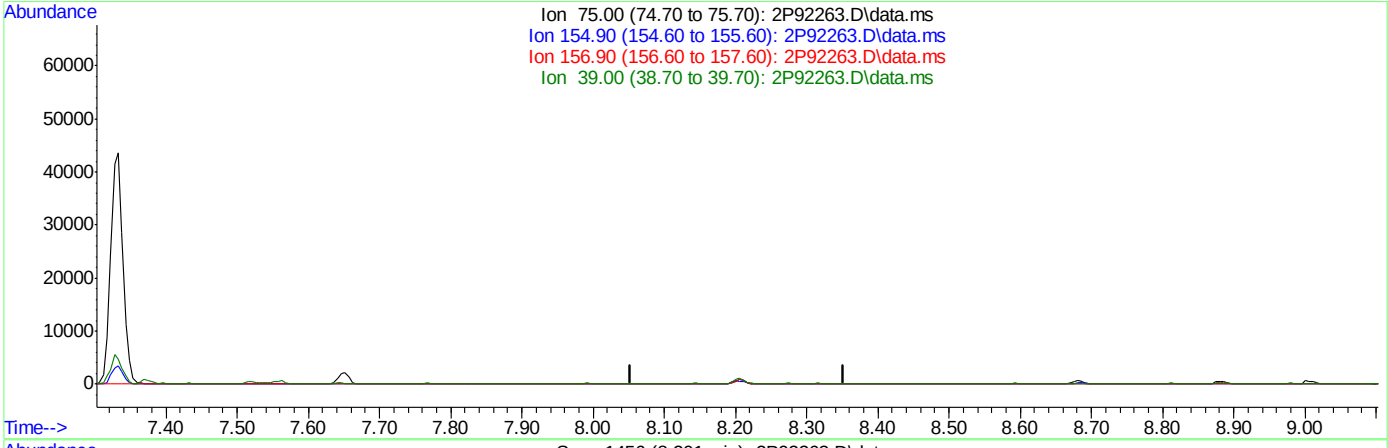
response 0

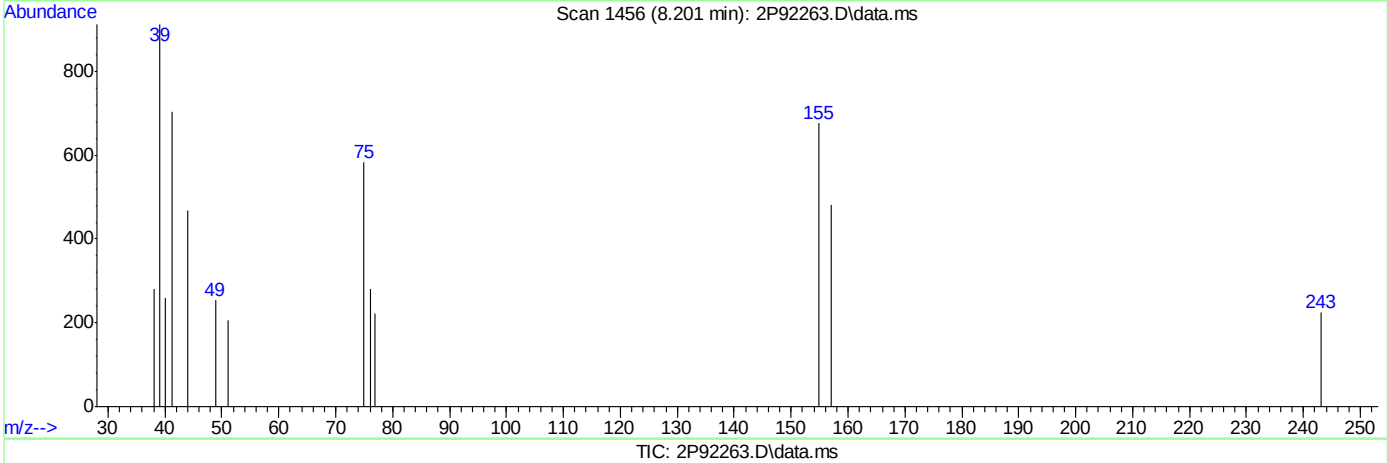
Ion	Exp%	Act%
126.00	100	0.00
91.00	524.80	0.00#
65.00	71.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(109) 1,2-Dibromo-3-Chloropropane

8.203min (-8.203) 0.00ug/L

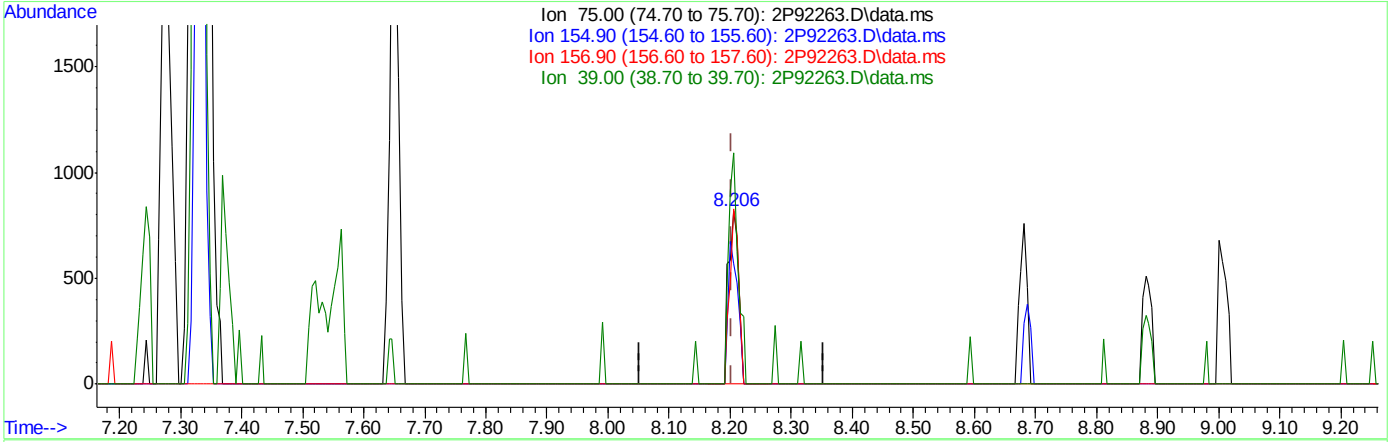
response 0

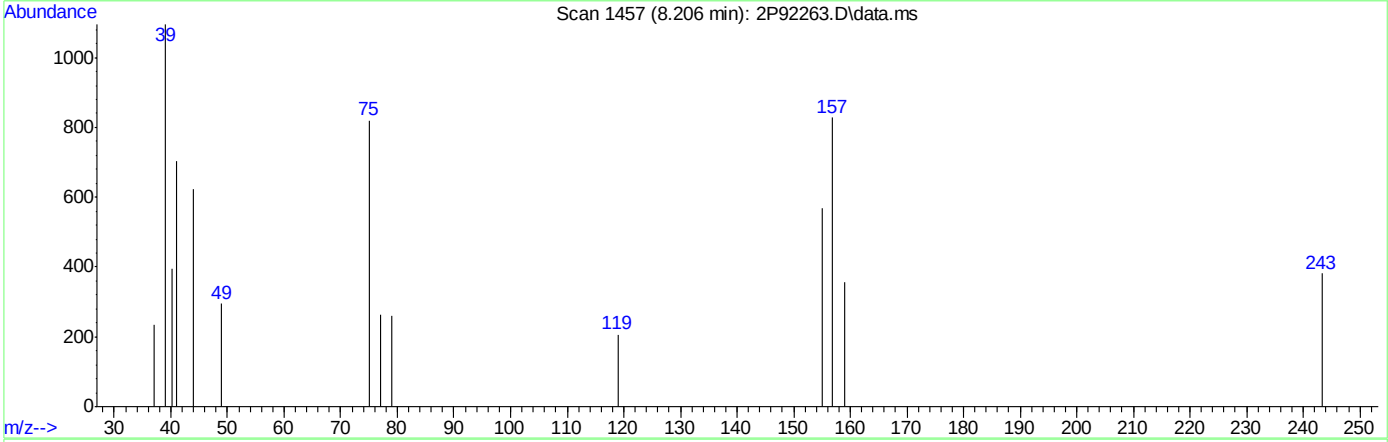
Ion	Exp%	Act%
75.00	100	0.00
154.90	74.10	0.00#
156.90	85.50	0.00#
39.00	122.20	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-1
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:05:29 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(109) 1,2-Dibromo-3-Chloropropane

8.206min (+0.003) 0.74ug/L m

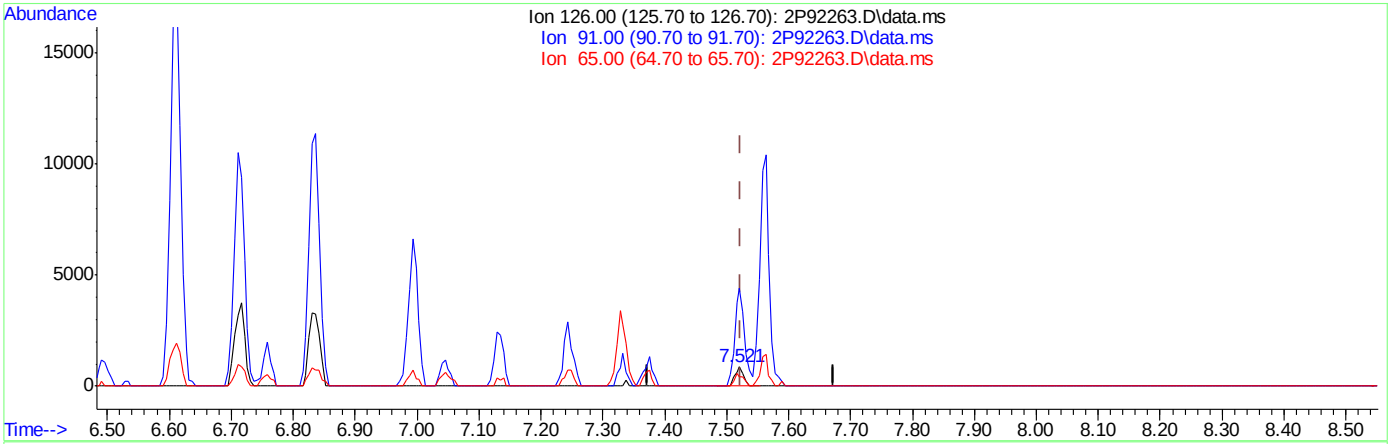
response 932

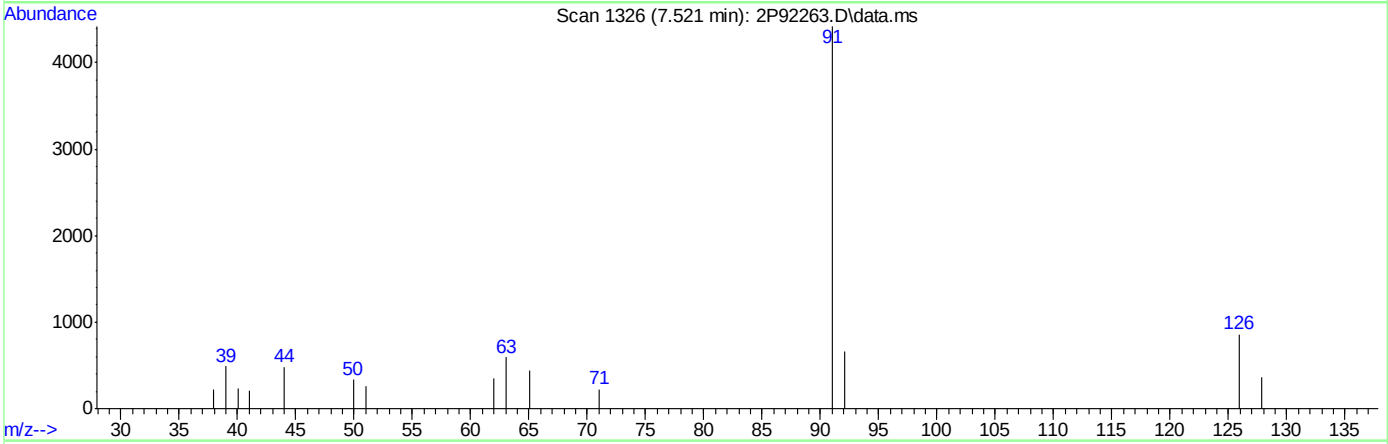
Ion	Exp%	Act%
75.00	100	100
154.90	74.10	69.60
156.90	85.50	101.10
39.00	122.20	133.70

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92263.D
Acq On : 24 Aug 2022 9:50 am
Operator : courtnef
Sample : IC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 24 10:08:00 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92263.D\data.ms

(107) Benzyl Chloride

7.521min (-0.002) 0.62ug/L m

response 838

Ion	Exp%	Act%
126.00	100	100
91.00	524.80	516.36
65.00	71.60	51.29#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:54 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.725	96	1290577	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.644	117	897703	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.332	152	403198	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.265	113	270124	46.32	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.64%				
49) 1,2-Dichloroethane-d4	3.552	65	378774	41.67	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 83.34%				
63) Toluene-d8	4.650	98	1230359	51.41	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 102.82%				
86) 4-Bromofluorobenzene	6.496	174	310144	46.27	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.54%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.127	85	18173	3.75	ug/L		98
3) Chloromethane	1.252	50	20517	2.85	ug/L		93
4) 1,3-butadiene	1.320	39	20772	3.23	ug/L		91
5) Vinyl Chloride	1.310	62	24345	3.77	ug/L		95
6) Bromomethane	1.513	94	16922	6.70	ug/L		99
7) Chloroethane	1.587	64	11544	5.19	ug/L		94
8) Trichlorofluoromethane	1.686	101	30131	5.23	ug/L		97
9) Ethyl Ether	1.879	59	24918	4.14	ug/L		85
10) Ethanol	1.947	45	15329	64.84	ug/L		88
11) 1,2-Dichlorotrifluoroe...	1.979	67	22588	4.31	ug/L		87
12) 1,1-Dichloroethene	1.989	61	32739	3.91	ug/L		89
13) Freon 113	2.021	101	20226	4.68	ug/L		97
14) Carbon Disulfide	2.010	76	47300	4.68	ug/L		83
15) Iodomethane	2.062	142	7787	1.32	ug/L		88
16) Acrolein	2.156	56	44147	21.20	ug/L		96
17) Allyl chloride	2.251	41	22787	3.00	ug/L		93
18) Methylene Chloride	2.303	49	45580	3.80	ug/L		78
19) Acetone	2.319	43	83434	18.37	ug/L		91
20) Methyl acetate	2.397	43	158182	15.51	ug/L		88
21) trans-1,2-Dichloroethene	2.407	61	33592	3.93	ug/L		81
22) Hexane	2.475	56	14894	3.36	ug/L	#	88
23) Methyl Tert Butyl Ether	2.470	73	73173	4.62	ug/L		89
24) Tert Butyl Alcohol	2.502	59	91250	38.36	ug/L		95
25) Acetonitrile	2.554	41	59508	35.06	ug/L		94
26) Di-isopropyl ether	2.690	45	70813	3.36	ug/L		92
27) Chloroprene	2.732	53	99184	2.97	ug/L		90
28) 1,1-Dichloroethane	2.732	63	43072	4.05	ug/L		92
29) Acrylonitrile	2.732	52	79032	18.31	ug/L		81
30) ETBE	2.883	59	80478	3.95	ug/L		91
31) Vinyl acetate	2.862	43	272570	17.81	ug/L		100
32) cis-1,2-Dichloroethene	3.024	96	26847	5.23	ug/L	#	82
33) 2,2-Dichloropropane	3.092	77	31037	4.57	ug/L		98
34) Bromochloromethane	3.129	128	12004	5.24	ug/L	#	65
35) Cyclohexane	3.165	56	38906	3.56	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:54 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.171	83	44643	4.76	ug/L		94
37) Ethyl acetate	3.228	43	211307	17.08	ug/L		94
38) Tetrahydrofuran	3.260	42	16825	3.25	ug/L		91
40) Carbon Tetrachloride	3.270	117	25941m	4.92	ug/L		
41) 1,1,1-Trichloroethane	3.296	97	35376	4.71	ug/L		96
42) 2-Butanone	3.317	43	144027	19.16	ug/L		79
43) 1,1-Dichloropropene	3.369	75	32613	4.64	ug/L		82
44) tert-Butyl formate	3.411	59	77006	21.61	ug/L		90
45) Propionitrile	3.458	54	90503	39.92	ug/L		97
46) Methacrylonitrile	3.484	41	235404	33.00	ug/L		98
47) Benzene	3.495	78	104936	4.83	ug/L		73
48) TAME	3.568	73	72443	4.73	ug/L		89
50) Isobutyl alcohol	3.584	43	88293m	63.98	ug/L		
51) 1,2-Dichloroethane	3.594	62	37281	4.04	ug/L		91
52) Tert Amyl Alcohol	3.646	59	69082	38.54	ug/L		88
53) Trichloroethene	3.829	95	26765	5.04	ug/L		93
54) Methylcyclohexane	3.850	83	33758	4.53	ug/L	#	81
55) Dibromomethane	4.054	93	14284	4.78	ug/L		97
56) 1,2-Dichloropropane	4.112	63	25411	4.24	ug/L		91
57) Bromodichloromethane	4.148	83	23490	4.69	ug/L		95
58) Methyl methacrylate	4.237	41	25850	3.13	ug/L	#	75
59) 1,4-Dioxane	4.258	88	16723	101.68	ug/L		92
60) 2-Chloroethyl vinyl ether	4.478	63	103802	21.59	ug/L		81
61) cis-1,3-Dichloropropene	4.525	75	29027	4.17	ug/L		76
64) Toluene	4.682	91	114476	5.45	ug/L		98
65) 2-Nitropropane	4.776	41	28595	12.44	ug/L		94
66) 4-Methyl-2-pentanone	4.891	43	217276	19.24	ug/L		93
67) trans-1,3-Dichloropropene	4.917	75	26173	4.40	ug/L		87
68) Tetrachloroethene	4.938	166	24044	4.72	ug/L		88
69) Ethyl methacrylate	5.032	69	37766	5.05	ug/L	#	74
70) 1,1,2-Trichloroethane	5.021	83	19526	5.27	ug/L		86
71) Dibromochloromethane	5.142	129	15708	4.86	ug/L		92
72) 1,3-Dichloropropane	5.194	76	43843	5.24	ug/L		81
73) 1,2-Dibromoethane	5.293	107	22775	5.15	ug/L		98
74) 3,3-dimethyl-1-butanol	5.414	57	431612	175.14	ug/L	#	88
75) 2-hexanone	5.429	43	244905	17.89	ug/L		84
76) 1-Chlorohexane	5.654	91	35433m	5.26	ug/L		
77) Ethylbenzene	5.685	91	124754	5.43	ug/L		95
78) Chlorobenzene	5.654	112	68797	5.56	ug/L		94
79) 1,1,1,2-Tetrachloroethane	5.696	131	19145	5.37	ug/L		92
80) m,p-Xylene	5.785	91	194619	10.72	ug/L		100
81) o-Xylene	6.077	91	95453	5.35	ug/L		98
82) Styrene	6.109	104	68945	5.15	ug/L		96
83) Bromoform	6.119	173	7924	4.47	ug/L		92
84) Isopropylbenzene	6.308	105	109252	5.32	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.527	53	11022	4.24	ug/L		92
88) n-Propylbenzene	6.611	91	129402	5.72	ug/L		98
89) Bromobenzene	6.574	156	27298	5.85	ug/L		88
90) 1,1,2,2-Tetrachloroethane	6.632	83	34540	5.59	ug/L		92
91) 1,3,5-Trimethylbenzene	6.757	105	91753	5.81	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:54 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

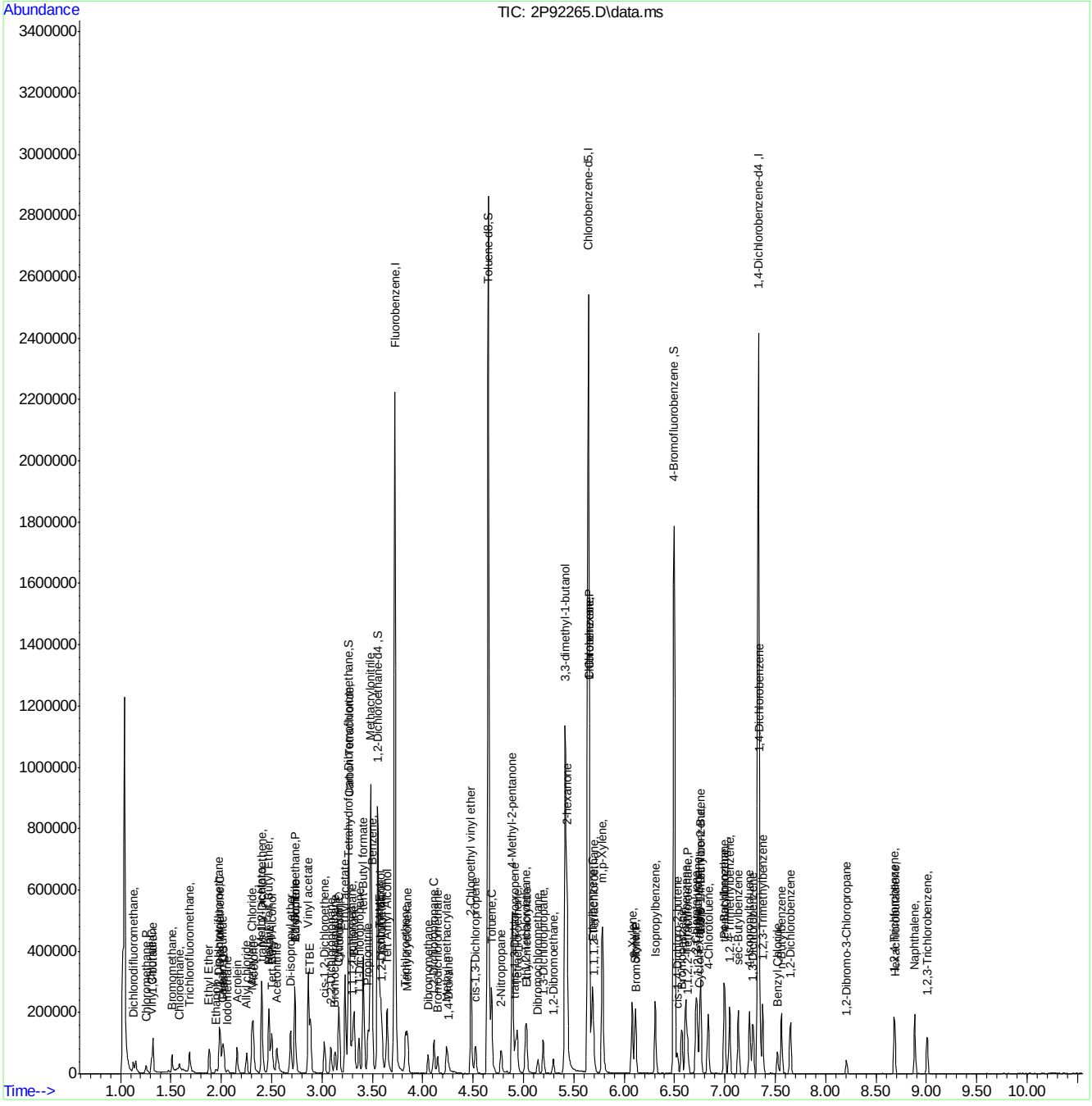
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	6.715	91	79896	5.82	ug/L		93
93) trans-1,4-Dichloro-2-B...	6.757	53	14007	4.15	ug/L		92
94) 1,2,3-Trichloropropane	6.726	110	12669	5.53	ug/L		83
95) Cyclohexanone	6.747	55	13270	22.45	ug/L		83
96) 4-Chlorotoluene	6.836	91	84303	5.87	ug/L		94
97) tert-Butylbenzene	6.998	91	49056	5.63	ug/L		94
99) 1,2,4-Trimethylbenzene	7.045	105	86779	5.65	ug/L		96
100) Pentachloroethane	6.992	167	9394	5.17	ug/L	#	47
101) sec-Butylbenzene	7.134	105	96243	5.71	ug/L		98
102) 4-Isopropyltoluene	7.243	119	82156	5.71	ug/L		94
103) 1,3-Dichlorobenzene	7.280	146	48323	5.71	ug/L		97
104) 1,2,3-Trimethylbenzene	7.374	105	90040	5.85	ug/L		97
105) 1,4-Dichlorobenzene	7.343	146	52295	5.78	ug/L		88
106) n-Butylbenzene	7.562	92	41492	5.71	ug/L		96
107) Benzyl Chloride	7.520	126	6116	4.36	ug/L	#	85
108) 1,2-Dichlorobenzene	7.651	146	45254	5.50	ug/L		96
109) 1,2-Dibromo-3-Chloropr...	8.205	75	6140	4.79	ug/L		87
110) Hexachlorobutadiene	8.686	225	8710	4.71	ug/L		92
111) 1,2,4-Trichlorobenzene	8.681	180	23047	5.06	ug/L		94
112) Naphthalene	8.885	128	89623	5.73	ug/L		99
113) 1,2,3-Trichlorobenzene	9.010	180	21722	5.05	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:54 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V2P3560-IC3560
Lab FileID: 2P92265.D
Injection Time: 08/24/22 10:22

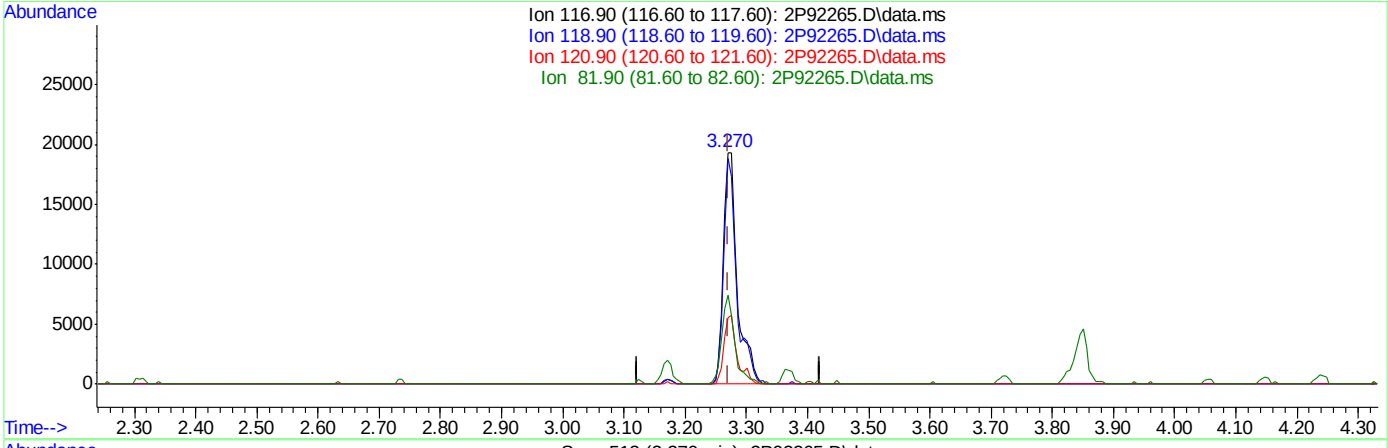
Method: SW846 8260D
Analyst approved: 08/24/22 10:38 Courtney Failla
Supervisor approved: 08/25/22 11:34 Karen Watson

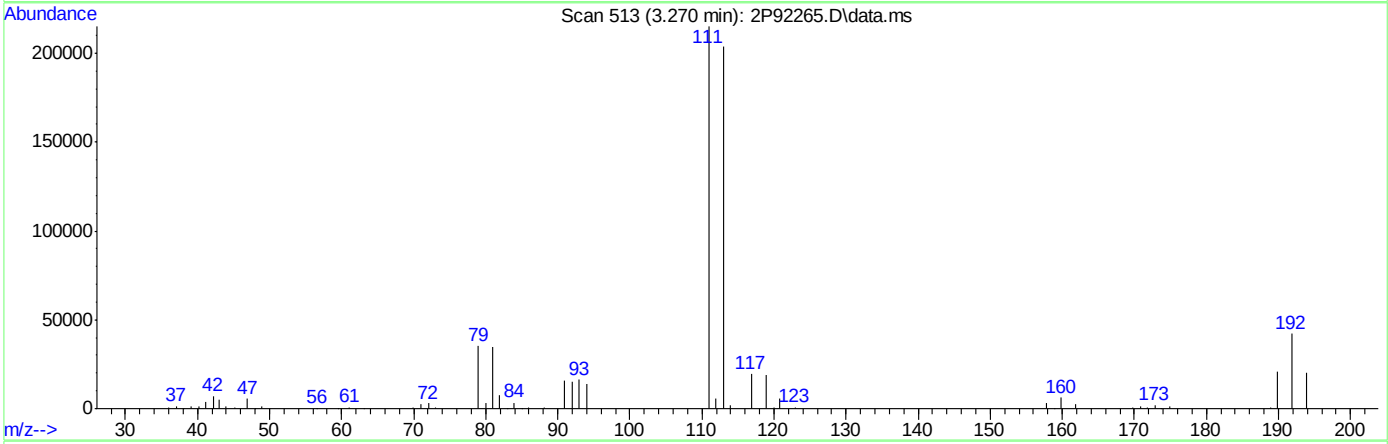
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:06 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92265.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (-0.002) 5.66ug/L

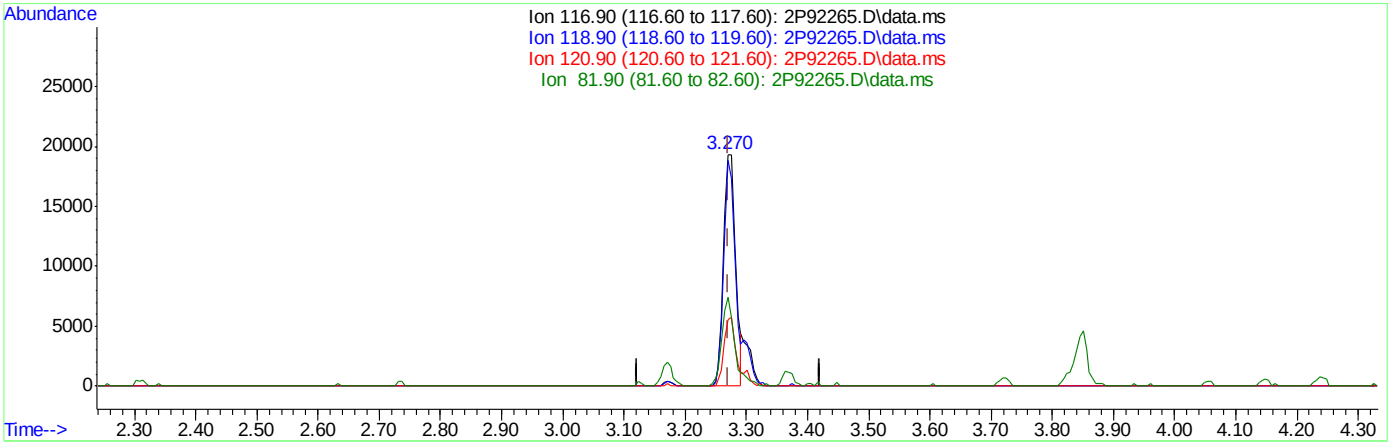
response 29823

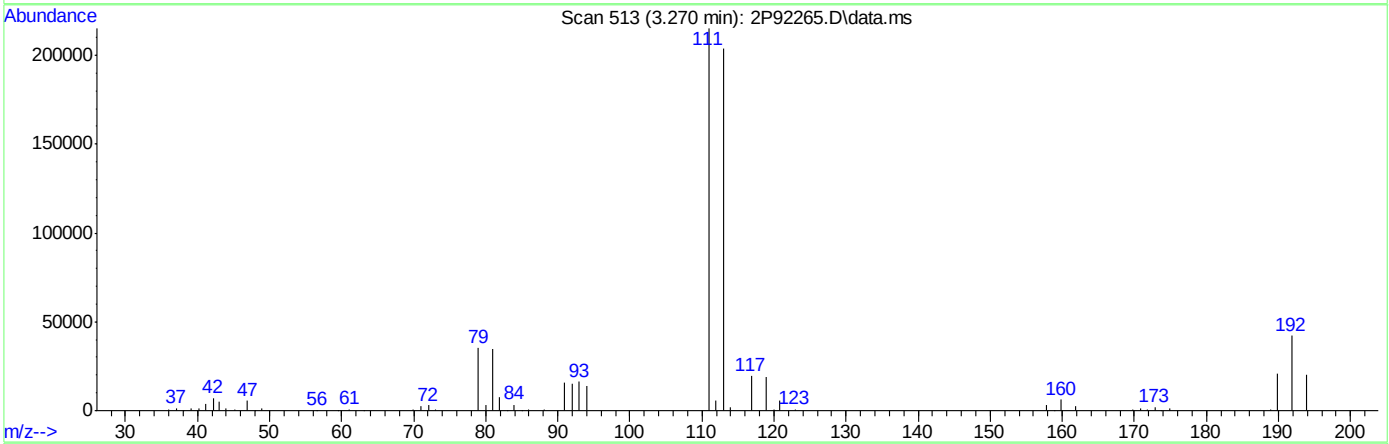
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	97.56
120.90	30.80	28.73
81.90	30.00	38.54

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:06 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92265.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (-0.002) 4.92ug/L m

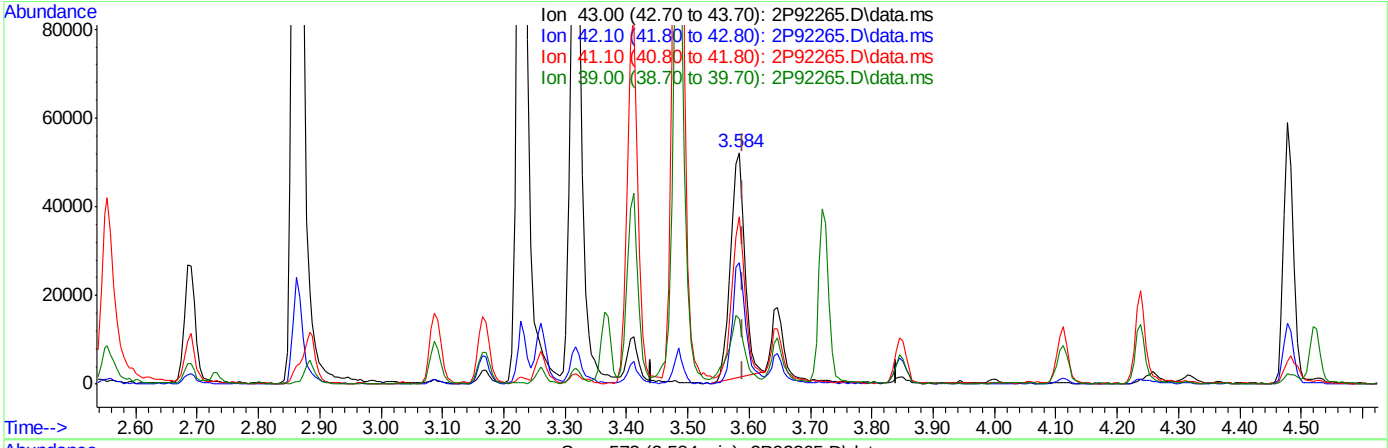
response 25941

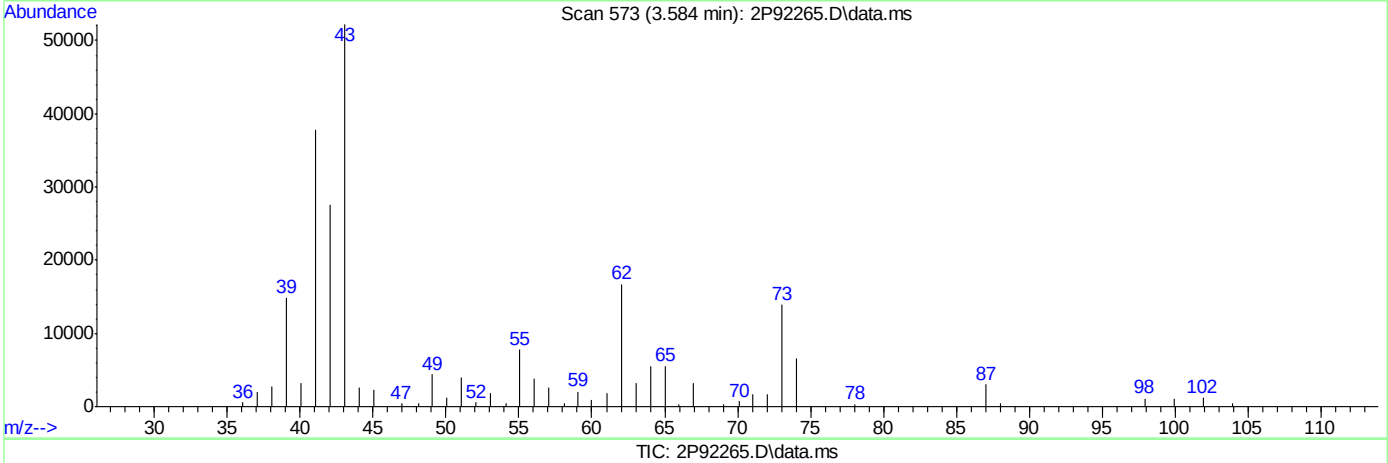
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	97.56
120.90	30.80	28.73
81.90	30.00	38.54

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:06 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92265.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.007) 58.55ug/L

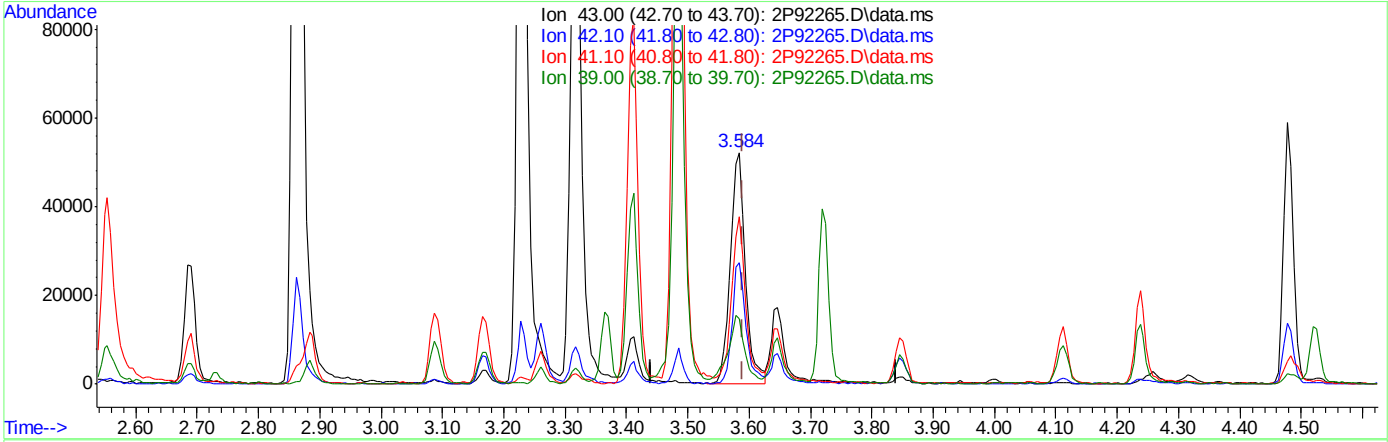
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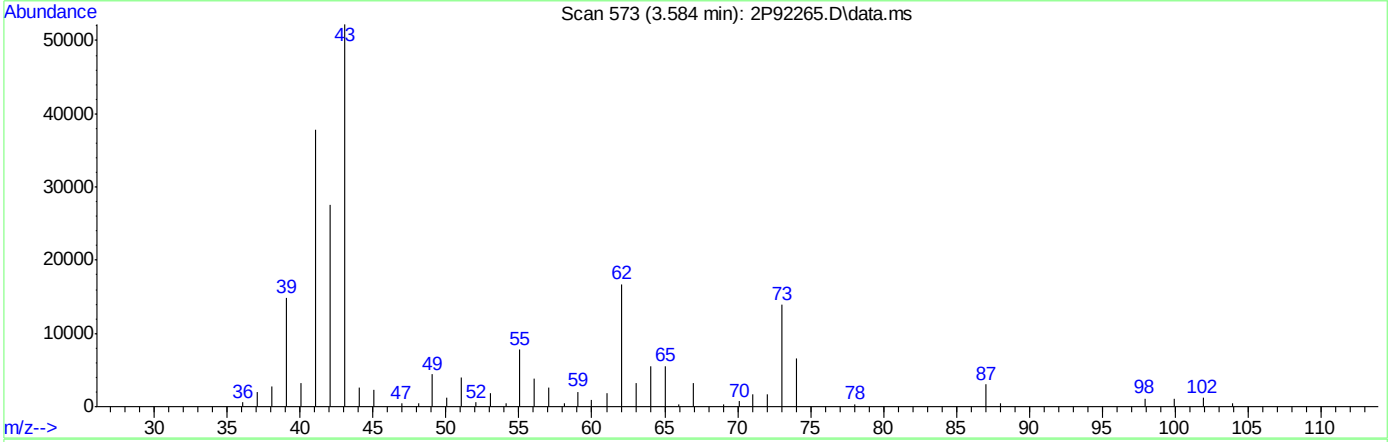
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	52.65
41.10	72.70	68.72
39.00	28.00	26.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:06 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92265.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.007) 63.98ug/L m

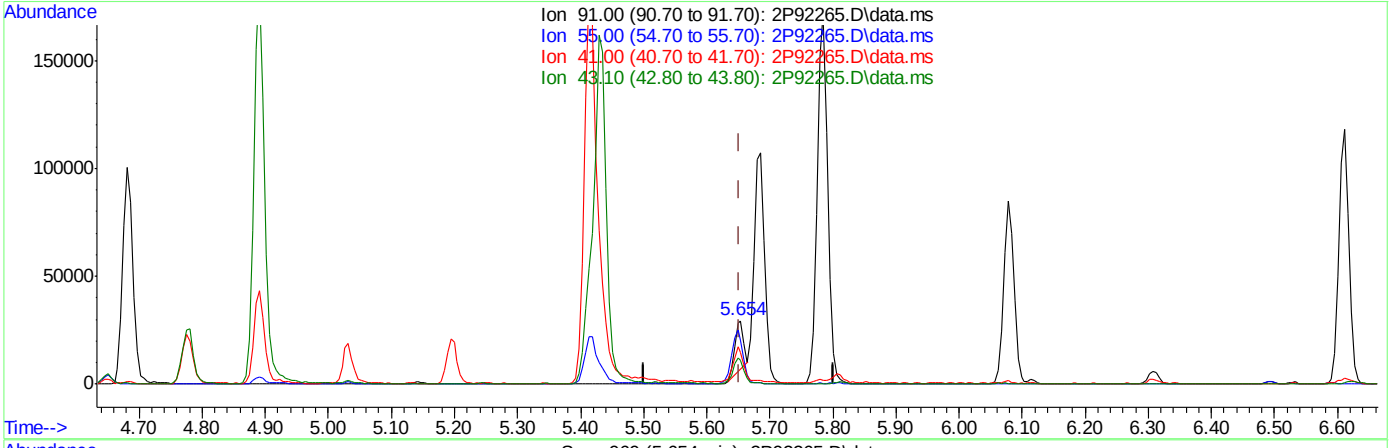
response 88293

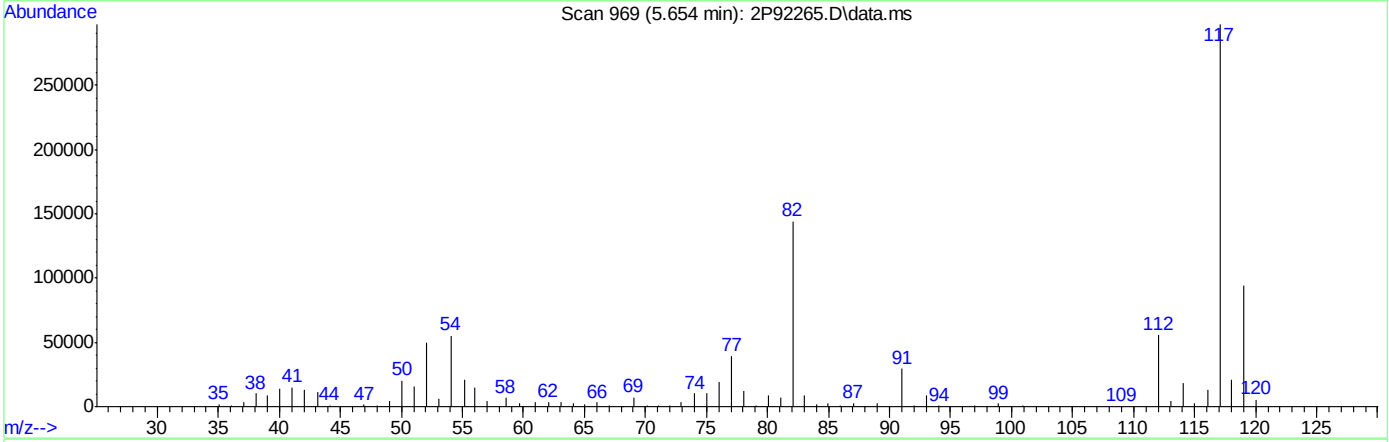
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	52.65
41.10	72.70	72.34
39.00	28.00	28.40

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:06 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92265.D\data.ms

(76) 1-Chlorohexane

5.654min (+0.003) 3.65ug/L

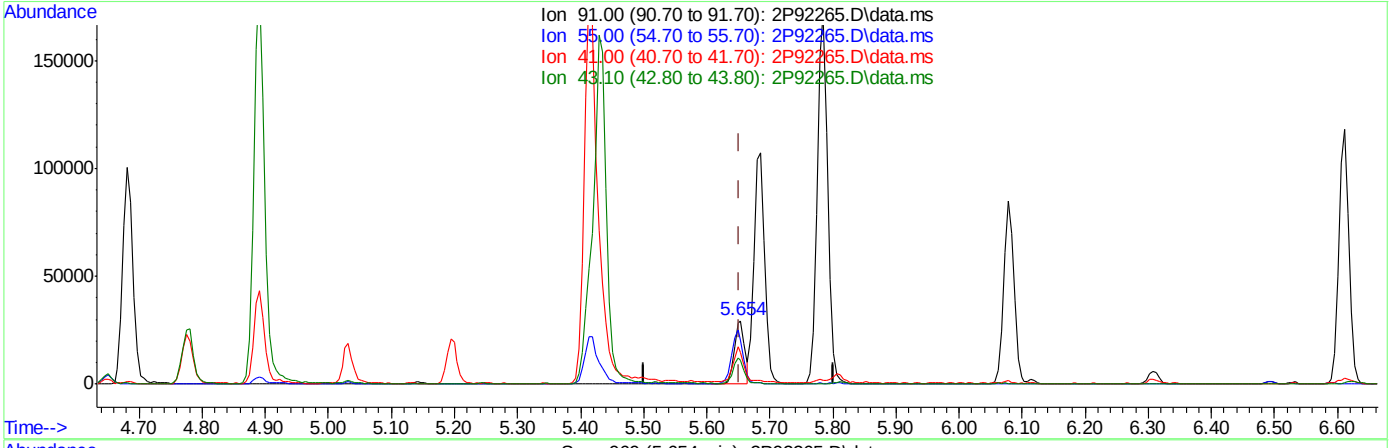
response 24624

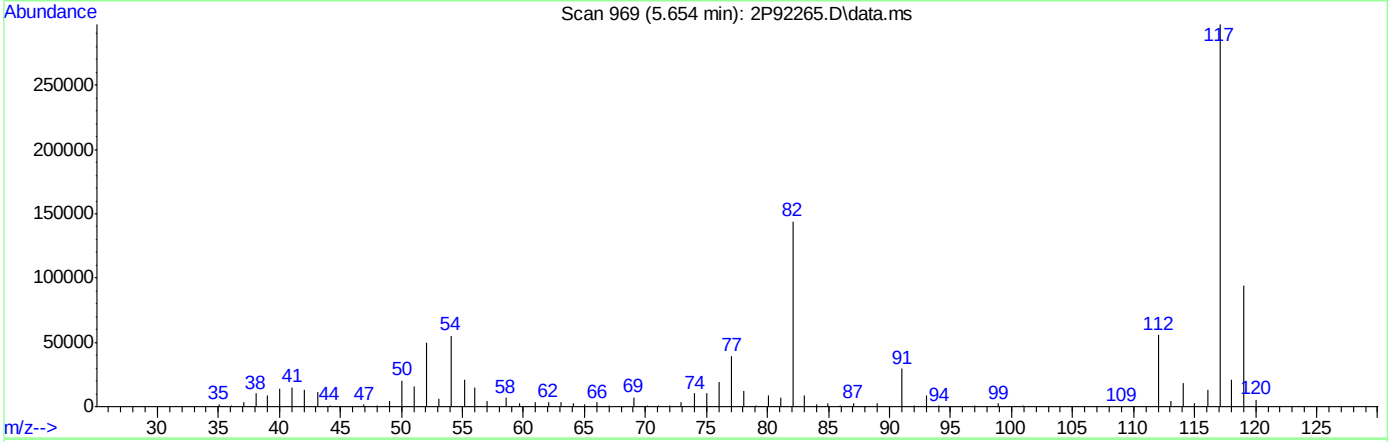
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	57.10#
41.00	83.00	45.04#
43.10	65.60	34.25#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92265.D
Acq On : 24 Aug 2022 10:22 am
Operator : courtnef
Sample : IC3560-2
Misc : MS52204,V2P3560,,,,,
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Aug 24 10:36:06 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92265.D\data.ms

(76) 1-Chlorohexane

5.654min (+0.003) 5.26ug/L m

response 35433

Ion	Exp%	Act%
91.00	100	100
55.00	103.70	69.86#
41.00	83.00	50.82#
43.10	65.60	38.01#

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:09:52 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.720	96	1295262	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.644	117	905061	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	411980	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.265	113	274375	46.88	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.76%				
49) 1,2-Dichloroethane-d4	3.553	65	384569	42.15	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 84.30%				
63) Toluene-d8	4.651	98	1246124	51.65	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 103.30%				
86) 4-Bromofluorobenzene	6.496	174	319677	46.68	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.36%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.127	85	31403	6.46	ug/L		100
3) Chloromethane	1.252	50	38308	5.31	ug/L		100
4) 1,3-butadiene	1.320	39	29714	4.60	ug/L		90
5) Vinyl Chloride	1.305	62	45651	7.05	ug/L		98
6) Bromomethane	1.514	94	31072	12.26	ug/L		94
7) Chloroethane	1.587	64	17033	7.63	ug/L		94
8) Trichlorofluoromethane	1.681	101	54389	9.40	ug/L		94
9) Ethyl Ether	1.880	59	42493	7.04	ug/L		84
10) Ethanol	1.953	45	22426	94.81	ug/L		100
11) 1,2-Dichlorotrifluoroe...	1.979	67	36857	7.00	ug/L		88
12) 1,1-Dichloroethene	1.984	61	52626	6.26	ug/L		92
13) Freon 113	2.021	101	31257	7.20	ug/L		91
14) Carbon Disulfide	2.005	76	81680	7.97	ug/L		91
15) Iodomethane	2.063	142	17236	2.92	ug/L		88
16) Acrolein	2.157	56	73711	35.20	ug/L		100
17) Allyl chloride	2.251	41	34244	4.50	ug/L		95
18) Methylene Chloride	2.303	49	66775	5.57	ug/L		78
19) Acetone	2.319	43	138555	30.43	ug/L		89
20) Methyl acetate	2.397	43	285484	27.88	ug/L		88
21) trans-1,2-Dichloroethene	2.408	61	56462	6.58	ug/L		78
22) Hexane	2.471	56	22860	5.14	ug/L	#	93
23) Methyl Tert Butyl Ether	2.471	73	130596	8.22	ug/L		83
24) Tert Butyl Alcohol	2.502	59	161231	67.54	ug/L		93
25) Acetonitrile	2.549	41	89361	52.71	ug/L		94
26) Di-isopropyl ether	2.690	45	121811	5.75	ug/L		92
27) Chloroprene	2.732	53	164073	4.90	ug/L		92
28) 1,1-Dichloroethane	2.732	63	74326	6.97	ug/L		91
29) Acrylonitrile	2.732	52	130970	30.23	ug/L		82
30) ETBE	2.884	59	143298	7.01	ug/L		90
31) Vinyl acetate	2.863	43	460988	30.02	ug/L		99
32) cis-1,2-Dichloroethene	3.025	96	44939	8.73	ug/L		85
33) 2,2-Dichloropropane	3.087	77	53618	7.82	ug/L		97
34) Bromochloromethane	3.129	128	21383	9.31	ug/L	#	64
35) Cyclohexane	3.166	56	64821	5.92	ug/L	#	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:09:52 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.171	83	76083	8.08	ug/L		93
37) Ethyl acetate	3.229	43	356460	28.72	ug/L		94
38) Tetrahydrofuran	3.260	42	27557	5.30	ug/L		82
40) Carbon Tetrachloride	3.270	117	40996m	7.75	ug/L		
41) 1,1,1-Trichloroethane	3.297	97	59644	7.92	ug/L		93
42) 2-Butanone	3.317	43	232206	30.77	ug/L		76
43) 1,1-Dichloropropene	3.365	75	55048	7.81	ug/L		85
44) tert-Butyl formate	3.412	59	137264	37.80	ug/L		94
45) Propionitrile	3.459	54	137310	60.26	ug/L		96
46) Methacrylonitrile	3.485	41	364915	50.90	ug/L		98
47) Benzene	3.495	78	182924	8.39	ug/L	#	67
48) TAME	3.568	73	128393	8.35	ug/L		91
50) Isobutyl alcohol	3.584	43	147999m	106.86	ug/L		
51) 1,2-Dichloroethane	3.589	62	65905	7.11	ug/L		91
52) Tert Amyl Alcohol	3.647	59	128328	71.34	ug/L		92
53) Trichloroethene	3.830	95	44907	8.42	ug/L		94
54) Methylcyclohexane	3.845	83	55101	7.37	ug/L	#	83
55) Dibromomethane	4.055	93	25053	8.36	ug/L		98
56) 1,2-Dichloropropane	4.112	63	44152	7.35	ug/L		91
57) Bromodichloromethane	4.149	83	41940	8.25	ug/L		96
58) Methyl methacrylate	4.238	41	41690	5.01	ug/L	#	76
59) 1,4-Dioxane	4.259	88	30220	183.09	ug/L		80
60) 2-Chloroethyl vinyl ether	4.478	63	177220	36.61	ug/L		82
61) cis-1,3-Dichloropropene	4.525	75	54531	7.73	ug/L		79
64) Toluene	4.682	91	197103	9.31	ug/L		100
65) 2-Nitropropane	4.776	41	55377	23.57	ug/L		99
66) 4-Methyl-2-pentanone	4.891	43	365886	32.13	ug/L		91
67) trans-1,3-Dichloropropene	4.917	75	51575	8.51	ug/L		84
68) Tetrachloroethene	4.938	166	40506	7.89	ug/L		88
69) Ethyl methacrylate	5.032	69	60736	8.06	ug/L	#	78
70) 1,1,2-Trichloroethane	5.022	83	34075	9.13	ug/L		85
71) Dibromochloromethane	5.147	129	29481	8.93	ug/L		89
72) 1,3-Dichloropropane	5.194	76	73968	8.76	ug/L		82
73) 1,2-Dibromoethane	5.294	107	40675	9.13	ug/L		99
74) 3,3-dimethyl-1-butanol	5.414	57	766291	308.42	ug/L	#	87
75) 2-hexanone	5.430	43	417576	30.26	ug/L		82
76) 1-Chlorohexane	5.649	91	57928m	8.52	ug/L		
77) Ethylbenzene	5.681	91	213848	9.23	ug/L		95
78) Chlorobenzene	5.654	112	116184	9.31	ug/L		93
79) 1,1,1,2-Tetrachloroethane	5.696	131	34431	9.51	ug/L		97
80) m,p-Xylene	5.785	91	337237	18.43	ug/L		97
81) o-Xylene	6.078	91	169648	9.43	ug/L		98
82) Styrene	6.109	104	123237	9.13	ug/L		96
83) Bromoform	6.120	173	14855	8.14	ug/L		95
84) Isopropylbenzene	6.308	105	186958	9.03	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.527	53	17968	6.70	ug/L		92
88) n-Propylbenzene	6.611	91	224394	9.70	ug/L		100
89) Bromobenzene	6.575	156	47147	9.88	ug/L	#	82
90) 1,1,2,2-Tetrachloroethane	6.632	83	63942	10.13	ug/L		96
91) 1,3,5-Trimethylbenzene	6.758	105	159081	9.86	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:09:52 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

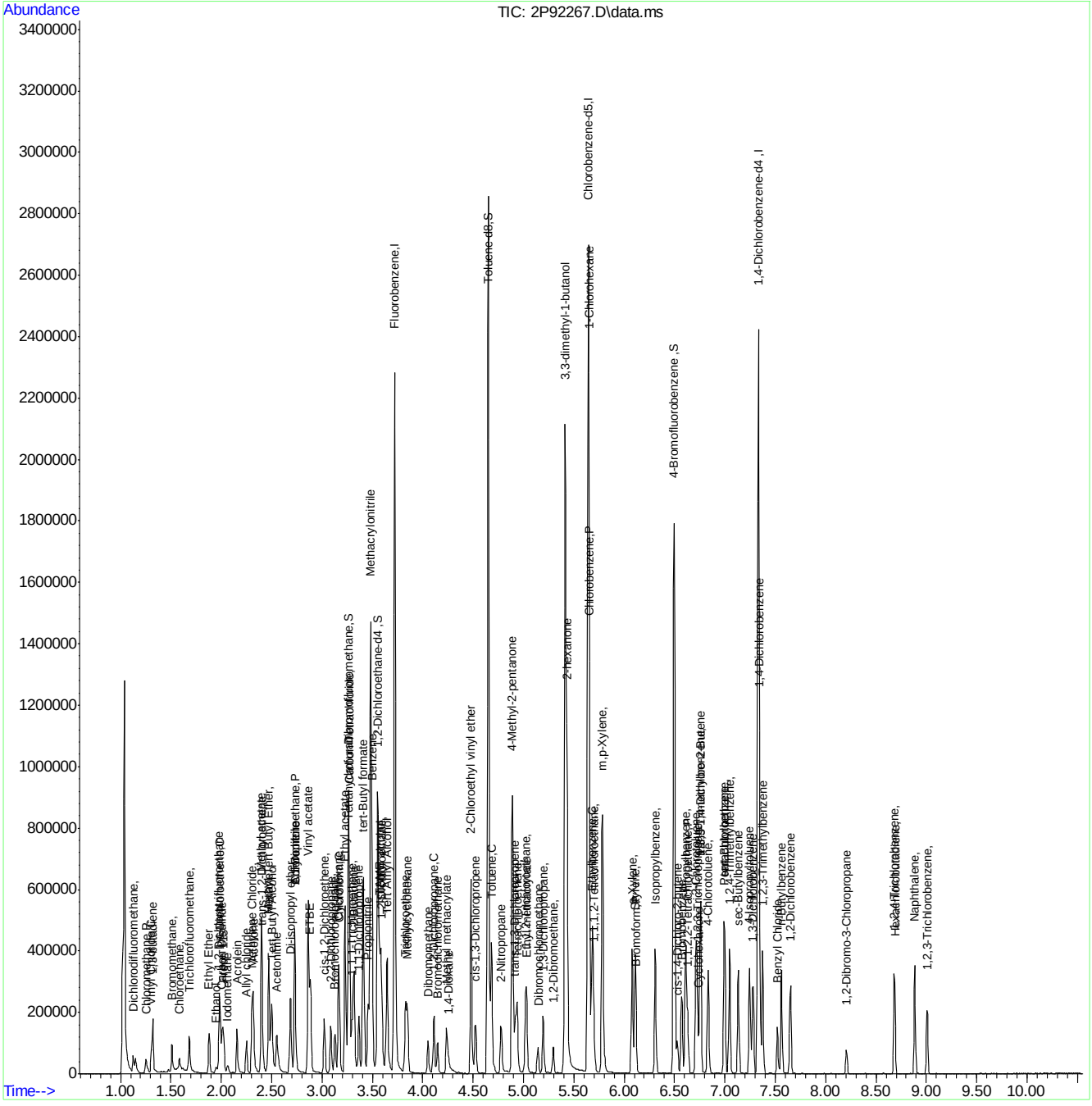
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	6.716	91	138409	9.86	ug/L		96
93) trans-1,4-Dichloro-2-B...	6.758	53	25118	7.23	ug/L		93
94) 1,2,3-Trichloropropane	6.726	110	24445	10.44	ug/L	#	75
95) Cyclohexanone	6.742	55	24028	39.78	ug/L		89
96) 4-Chlorotoluene	6.831	91	143924	9.80	ug/L		96
97) tert-Butylbenzene	6.993	91	87545	9.83	ug/L		91
99) 1,2,4-Trimethylbenzene	7.045	105	153377	9.78	ug/L		98
100) Pentachloroethane	6.998	167	15356	8.16	ug/L	#	48
101) sec-Butylbenzene	7.134	105	163120	9.48	ug/L		98
102) 4-Isopropyltoluene	7.244	119	145551	9.90	ug/L		97
103) 1,3-Dichlorobenzene	7.280	146	83984	9.71	ug/L		97
104) 1,2,3-Trimethylbenzene	7.374	105	157661	10.02	ug/L		97
105) 1,4-Dichlorobenzene	7.343	146	87924	9.52	ug/L		93
106) n-Butylbenzene	7.563	92	71211	9.59	ug/L		99
107) Benzyl Chloride	7.521	126	13387	9.02	ug/L		97
108) 1,2-Dichlorobenzene	7.651	146	77756	9.25	ug/L		96
109) 1,2-Dibromo-3-Chloropr...	8.206	75	12068	9.06	ug/L		81
110) Hexachlorobutadiene	8.687	225	13621	7.22	ug/L		84
111) 1,2,4-Trichlorobenzene	8.681	180	41466	8.91	ug/L		95
112) Naphthalene	8.885	128	165055	10.33	ug/L		100
113) 1,2,3-Trichlorobenzene	9.011	180	38421	8.74	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:09:52 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

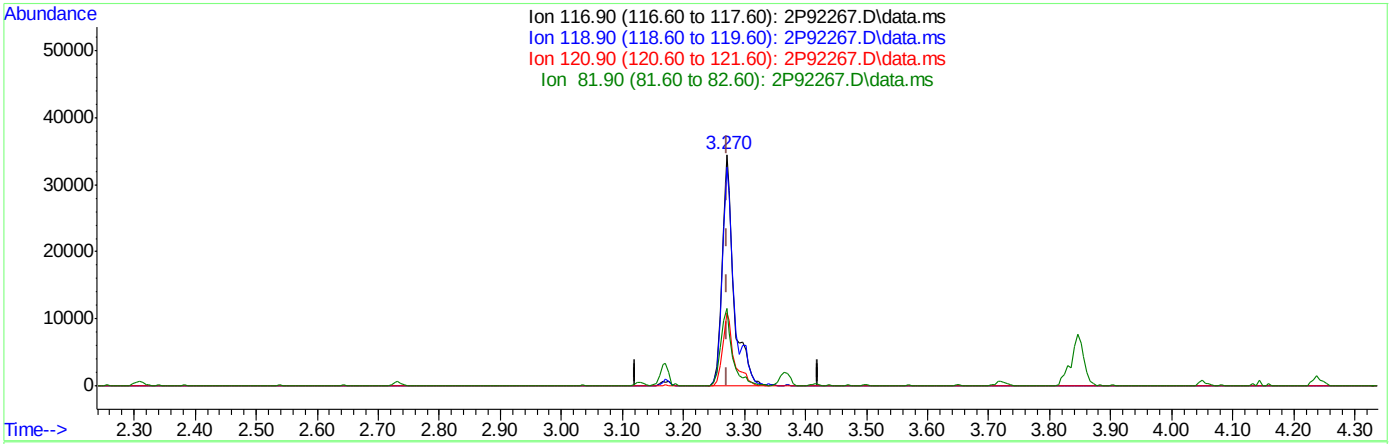
Sample Number: V2P3560-IC3560
Lab FileID: 2P92267.D
Injection Time: 08/24/22 10:54
Method: SW846 8260D
Analyst approved: 08/24/22 11:11 Courtney Failla
Supervisor approved: 08/25/22 11:34 Karen Watson

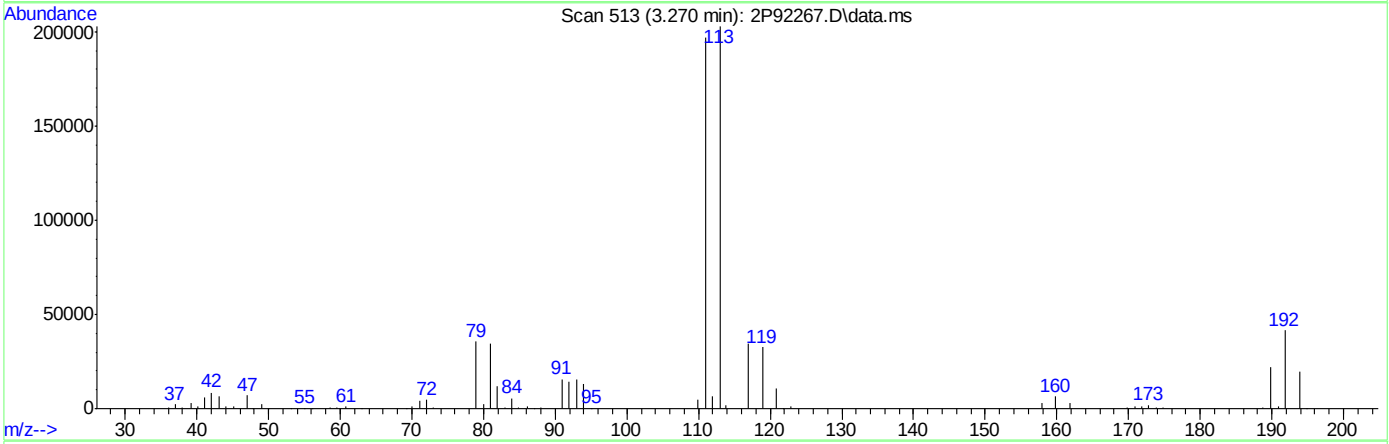
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:08:55 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92267.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (-0.001) 8.88ug/L

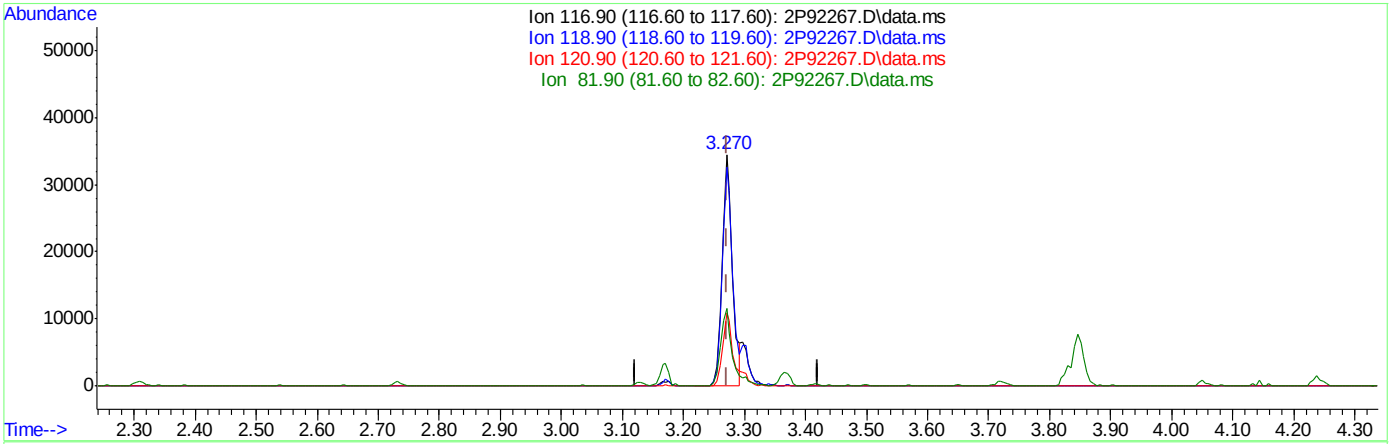
response 46995

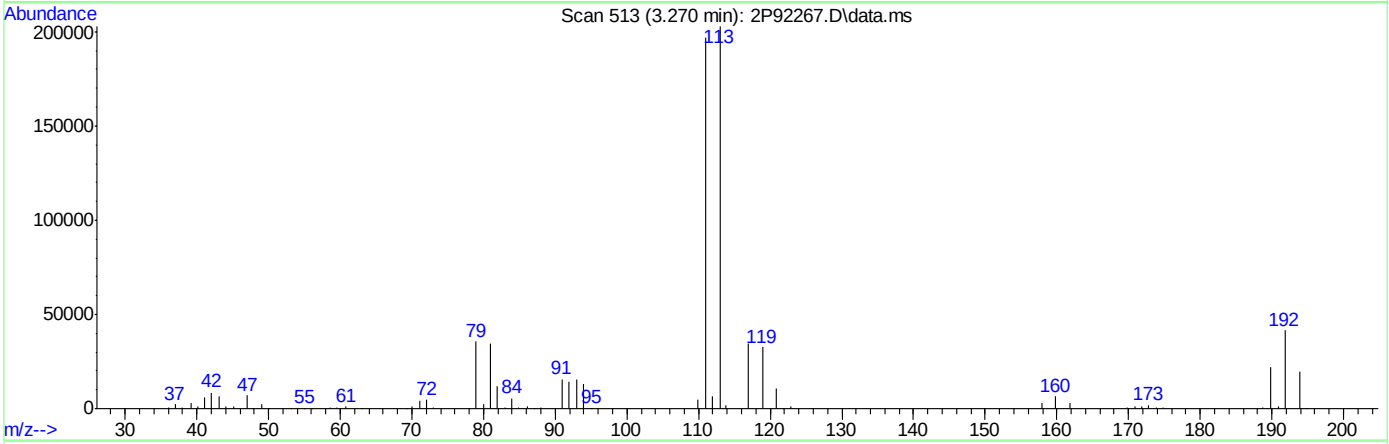
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	94.52
120.90	30.80	31.60
81.90	30.00	33.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:08:55 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92267.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (-0.001) 7.75ug/L m

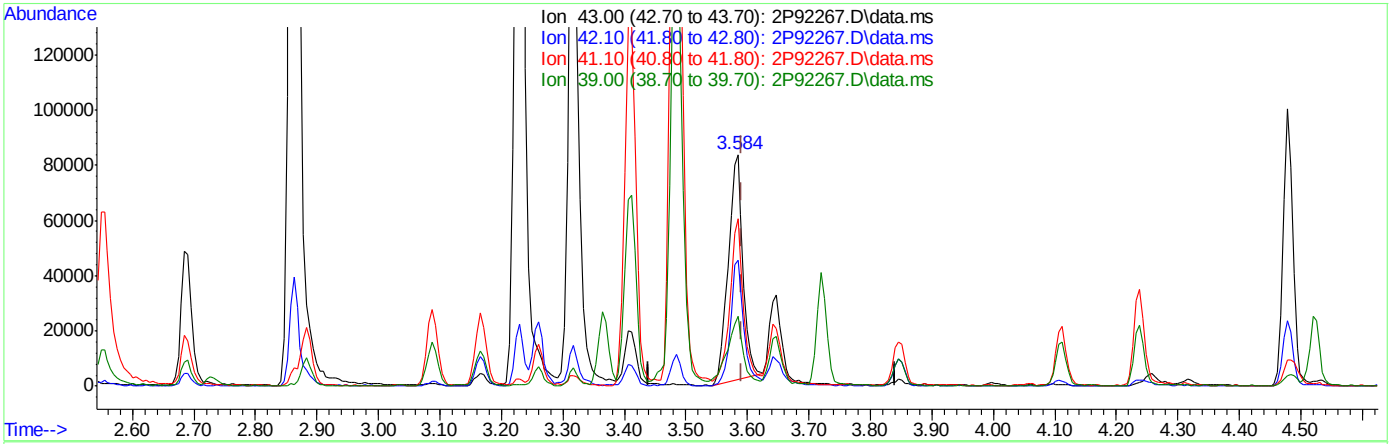
response 40996

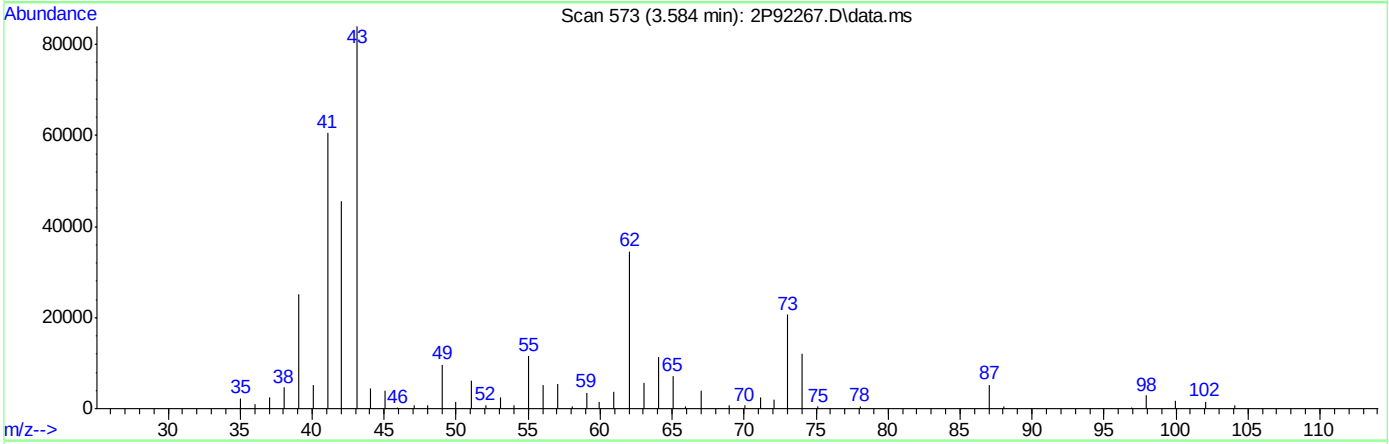
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	94.52
120.90	30.80	31.60
81.90	30.00	33.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:08:55 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92267.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.007) 97.71ug/L

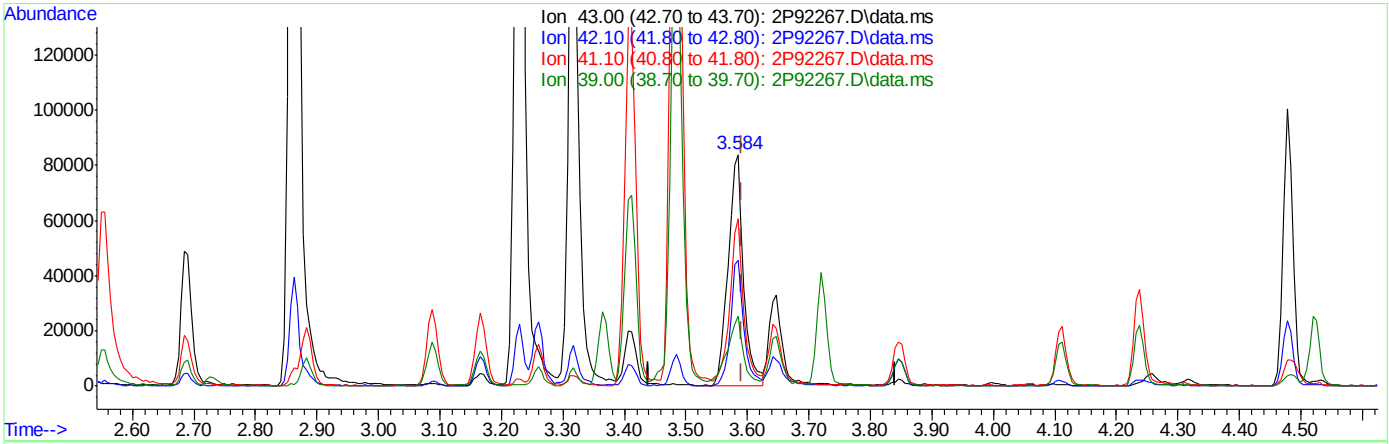
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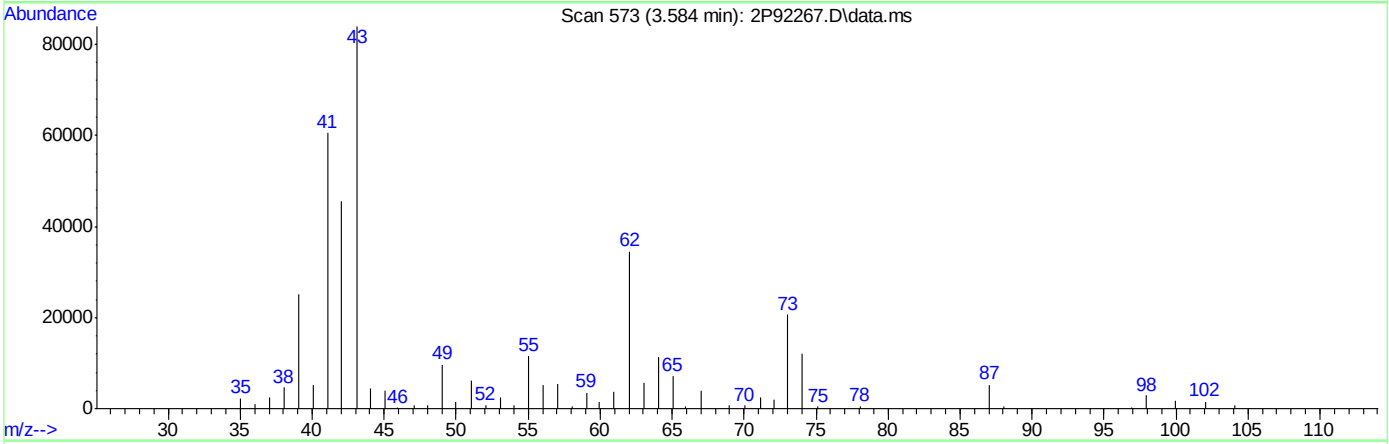
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	54.22
41.10	72.70	70.03
39.00	28.00	27.19

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:08:55 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92267.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.007) 106.86ug/L m

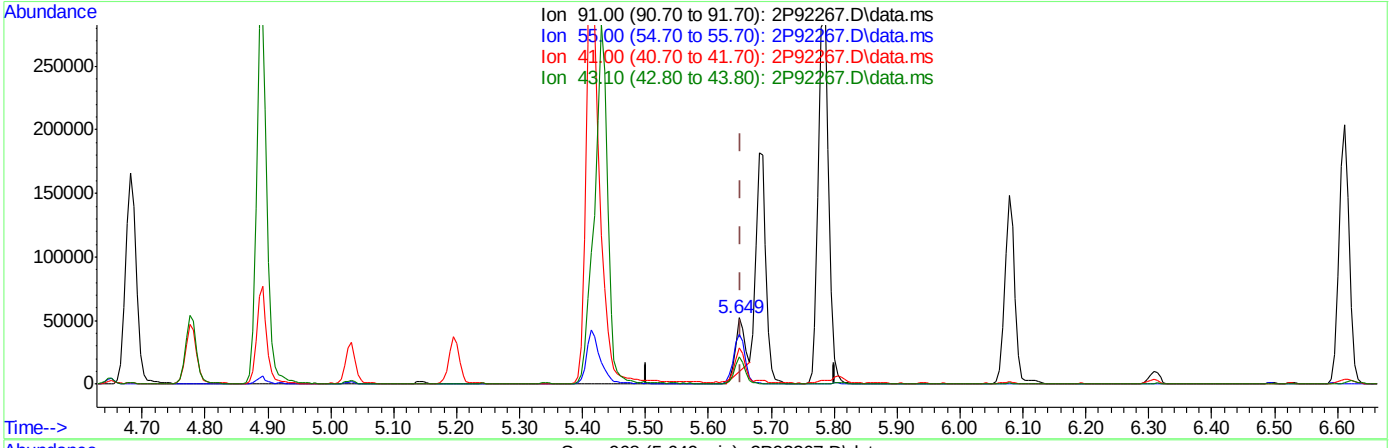
response 147999

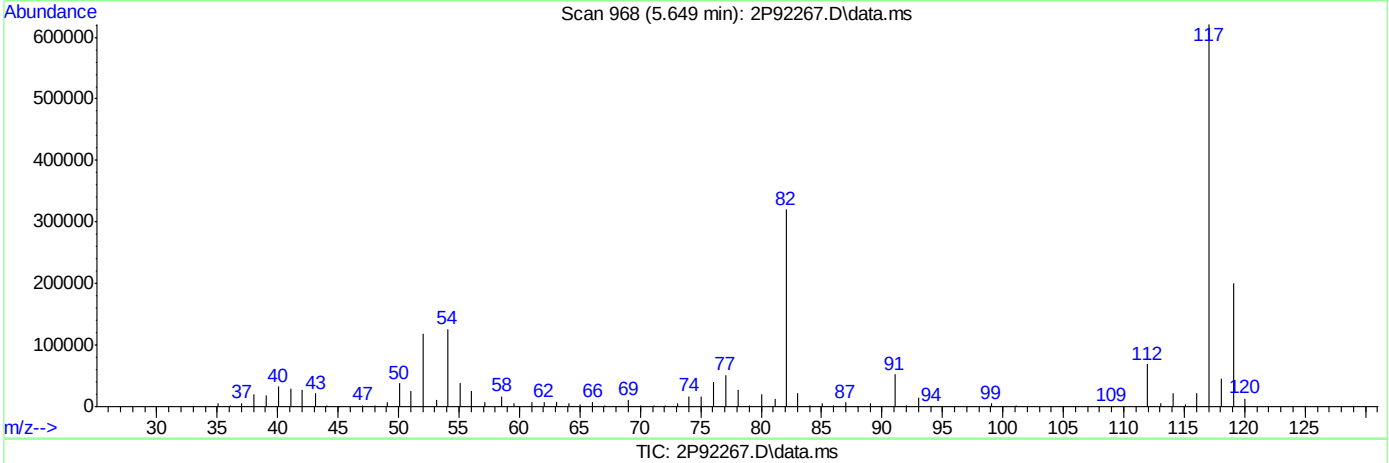
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	54.40
41.10	72.70	72.03
39.00	28.00	30.05

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:08:55 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92267.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 5.72ug/L

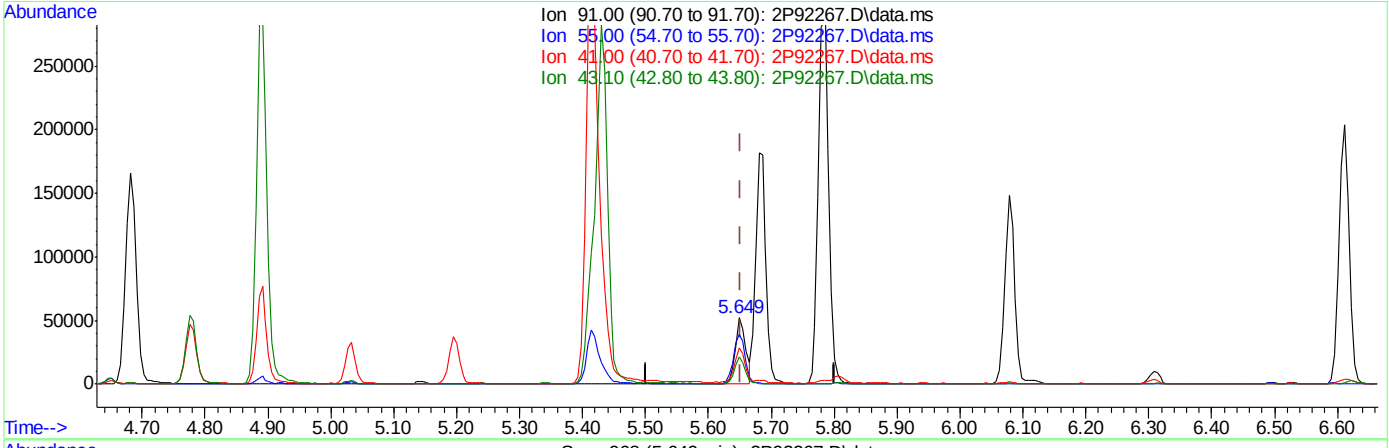
response 38889

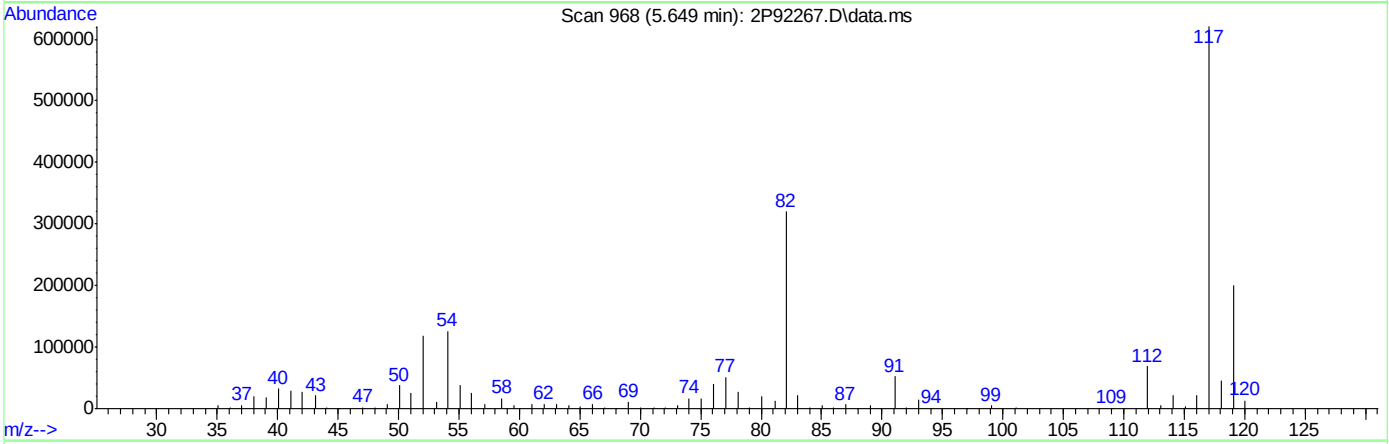
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	72.16#
41.00	83.00	51.98#
43.10	65.60	39.54#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92267.D
Acq On : 24 Aug 2022 10:54 am
Operator : courtnef
Sample : IC3560-3
Misc : MS52204,V2P3560,,,,,
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Aug 24 11:08:55 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92267.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 8.52ug/L m

response 57928

Ion	Exp%	Act%
91.00	100	100
55.00	103.70	74.86#
41.00	83.00	55.14#
43.10	65.60	40.78#

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:41:33 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.721	96	1325704	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.645	117	930860	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.334	152	422651	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.266	113	285574	47.67	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.34%				
49) 1,2-Dichloroethane-d4	3.554	65	393868	42.18	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 84.36%				
63) Toluene-d8	4.652	98	1284303	51.76	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 103.52%				
86) 4-Bromofluorobenzene	6.497	174	333389	47.45	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.128	85	77096	15.50	ug/L		98
3) Chloromethane	1.253	50	93714	12.69	ug/L		97
4) 1,3-butadiene	1.321	39	87202	13.18	ug/L		89
5) Vinyl Chloride	1.306	62	115463	17.42	ug/L		100
6) Bromomethane	1.510	94	73790	28.44	ug/L		98
7) Chloroethane	1.583	64	37143	16.25	ug/L		97
8) Trichlorofluoromethane	1.677	101	124851	21.09	ug/L		95
9) Ethyl Ether	1.881	59	109005	17.64	ug/L		84
10) Ethanol	1.959	45	69675	293.74	ug/L		96
11) 1,2-Dichlorotrifluoroe...	1.980	67	102439	19.01	ug/L		90
12) 1,1-Dichloroethene	1.985	61	151994	17.66	ug/L		90
13) Freon 113	2.017	101	90678	20.41	ug/L		95
14) Carbon Disulfide	2.006	76	244396	22.29	ug/L		89
15) Iodomethane	2.064	142	62420	10.29	ug/L		92
16) Acrolein	2.158	56	210466	97.36	ug/L		100
17) Allyl chloride	2.252	41	108742	13.96	ug/L		92
18) Methylene Chloride	2.304	49	154112	12.84	ug/L		77
19) Acetone	2.320	43	376457	81.24	ug/L		91
20) Methyl acetate	2.398	43	774276	73.89	ug/L		88
21) trans-1,2-Dichloroethene	2.404	61	154585	17.60	ug/L		82
22) Hexane	2.472	56	69763	15.32	ug/L	#	90
23) Methyl Tert Butyl Ether	2.472	73	358780	22.06	ug/L		85
24) Tert Butyl Alcohol	2.503	59	469044	191.97	ug/L		90
25) Acetonitrile	2.555	41	248077	146.67	ug/L		99
26) Di-isopropyl ether	2.686	45	322589	14.89	ug/L		92
27) Chloroprene	2.733	53	465554	13.59	ug/L		92
28) 1,1-Dichloroethane	2.733	63	203817	18.67	ug/L		95
29) Acrylonitrile	2.733	52	367659	82.91	ug/L		81
30) ETBE	2.885	59	387201	18.51	ug/L		91
31) Vinyl acetate	2.864	43	1320515	84.01	ug/L		99
32) cis-1,2-Dichloroethene	3.026	96	119758	22.72	ug/L	#	83
33) 2,2-Dichloropropane	3.088	77	154206	21.30	ug/L		98
34) Bromochloromethane	3.130	128	54354	23.11	ug/L	#	63
35) Cyclohexane	3.167	56	182281	16.26	ug/L	#	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:41:33 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.172	83	203626	21.14	ug/L		92
37) Ethyl acetate	3.230	43	1004635	79.07	ug/L		94
38) Tetrahydrofuran	3.261	42	76422	14.36	ug/L		88
40) Carbon Tetrachloride	3.271	117	124530m	22.99	ug/L		
41) 1,1,1-Trichloroethane	3.298	97	174565	22.65	ug/L		94
42) 2-Butanone	3.318	43	638467	82.43	ug/L		75
43) 1,1-Dichloropropene	3.365	75	153922	21.33	ug/L		85
44) tert-Butyl formate	3.413	59	415583	105.24	ug/L		96
45) Propionitrile	3.460	54	408073	173.53	ug/L		99
46) Methacrylonitrile	3.486	41	1090165	147.60	ug/L		98
47) Benzene	3.496	78	482180	21.62	ug/L	#	68
48) TAME	3.569	73	354042	22.50	ug/L		85
50) Isobutyl alcohol	3.585	43	448045m	316.08	ug/L		
51) 1,2-Dichloroethane	3.590	62	173894	18.33	ug/L		93
52) Tert Amyl Alcohol	3.648	59	380919	206.90	ug/L		91
53) Trichloroethene	3.826	95	121308	22.23	ug/L		95
54) Methylcyclohexane	3.846	83	156889	20.51	ug/L	#	81
55) Dibromomethane	4.050	93	69383	22.61	ug/L		95
56) 1,2-Dichloropropane	4.113	63	120480	19.59	ug/L		88
57) Bromodichloromethane	4.144	83	124513	22.82	ug/L		96
58) Methyl methacrylate	4.239	41	136664	15.74	ug/L	#	76
59) 1,4-Dioxane	4.254	88	81389	481.77	ug/L		80
60) 2-Chloroethyl vinyl ether	4.479	63	496175	98.80	ug/L		80
61) cis-1,3-Dichloropropene	4.521	75	163437	21.87	ug/L		80
64) Toluene	4.683	91	521365	23.95	ug/L		100
65) 2-Nitropropane	4.777	41	202424	78.60	ug/L		97
66) 4-Methyl-2-pentanone	4.892	43	1036780	88.52	ug/L		92
67) trans-1,3-Dichloropropene	4.918	75	149978	23.29	ug/L		84
68) Tetrachloroethene	4.939	166	113299	21.46	ug/L		92
69) Ethyl methacrylate	5.028	69	188909	24.38	ug/L	#	76
70) 1,1,2-Trichloroethane	5.018	83	91877	23.92	ug/L		89
71) Dibromochloromethane	5.143	129	92491	25.87	ug/L		96
72) 1,3-Dichloropropane	5.195	76	199298	22.95	ug/L		80
73) 1,2-Dibromoethane	5.295	107	111178	24.26	ug/L		98
74) 3,3-dimethyl-1-butanol	5.415	57	2383970	932.90	ug/L	#	86
75) 2-hexanone	5.431	43	1225288	86.32	ug/L		86
76) 1-Chlorohexane	5.650	91	159255m	22.78	ug/L		
77) Ethylbenzene	5.681	91	575170	24.15	ug/L		96
78) Chlorobenzene	5.655	112	314726	24.52	ug/L		92
79) 1,1,1,2-Tetrachloroethane	5.697	131	97248	25.50	ug/L		96
80) m,p-Xylene	5.786	91	914430	48.58	ug/L		98
81) o-Xylene	6.079	91	454953	24.60	ug/L		97
82) Styrene	6.110	104	352756	25.40	ug/L		94
83) Bromoform	6.115	173	49656	24.19	ug/L		96
84) Isopropylbenzene	6.309	105	521551	24.50	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.528	53	57642	20.01	ug/L	#	80
88) n-Propylbenzene	6.612	91	621145	26.18	ug/L		100
89) Bromobenzene	6.570	156	126861	25.91	ug/L		93
90) 1,1,2,2-Tetrachloroethane	6.628	83	175535	27.11	ug/L		95
91) 1,3,5-Trimethylbenzene	6.758	105	430610	26.01	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:41:33 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

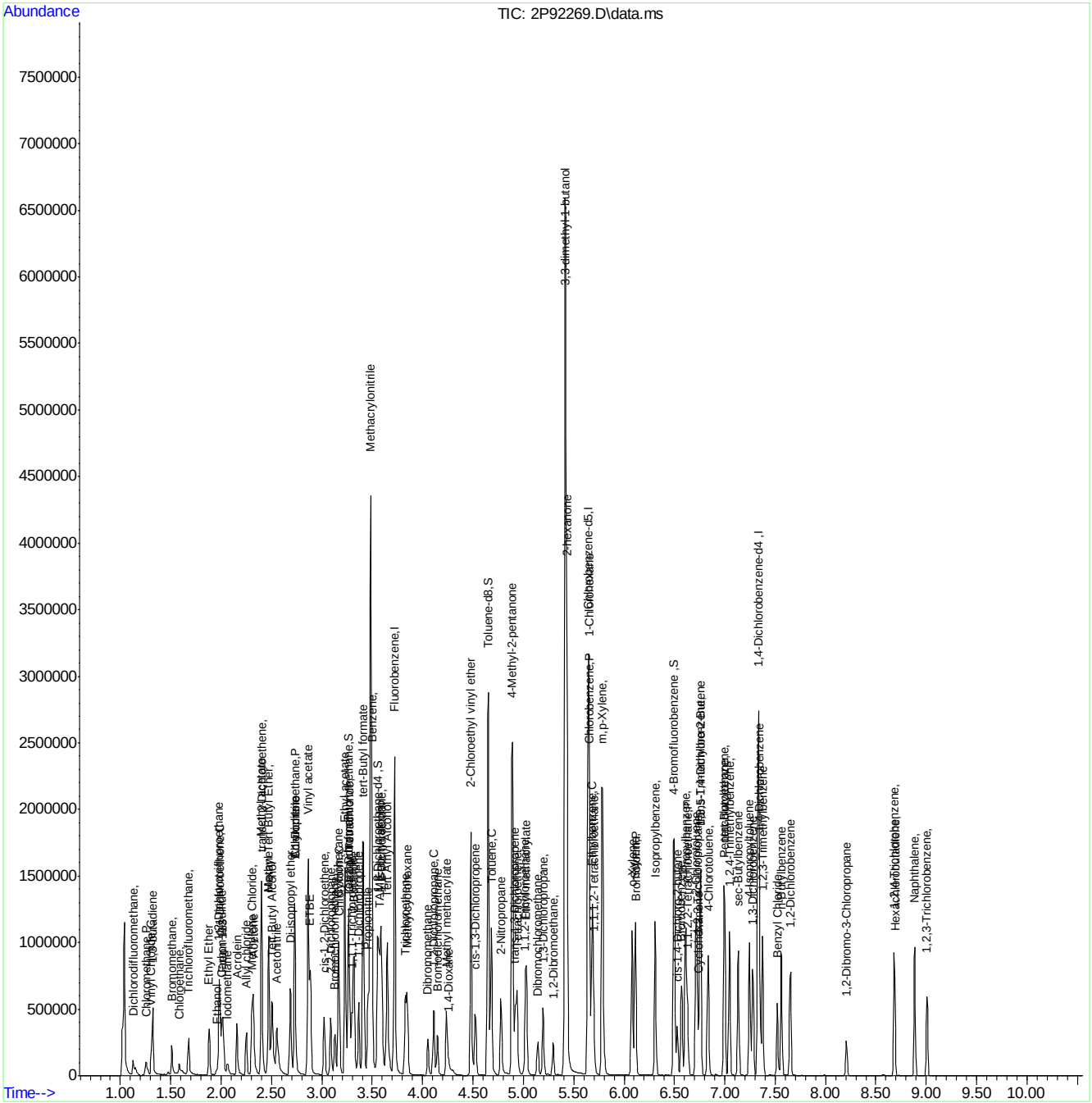
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	6.711	91	376298	26.13	ug/L		97
93) trans-1,4-Dichloro-2-B...	6.758	53	73989	20.12	ug/L	#	77
94) 1,2,3-Trichloropropane	6.727	110	64863	26.99	ug/L		81
95) Cyclohexanone	6.743	55	73475	118.56	ug/L		86
96) 4-Chlorotoluene	6.837	91	399875	26.55	ug/L		94
97) tert-Butylbenzene	6.994	91	239014	26.16	ug/L		93
99) 1,2,4-Trimethylbenzene	7.046	105	428428	26.62	ug/L		97
100) Pentachloroethane	6.999	167	54726	26.17	ug/L		94
101) sec-Butylbenzene	7.135	105	457520	25.91	ug/L		98
102) 4-Isopropyltoluene	7.245	119	407507	27.03	ug/L		97
103) 1,3-Dichlorobenzene	7.276	146	226641	25.54	ug/L		99
104) 1,2,3-Trimethylbenzene	7.375	105	424412	26.30	ug/L		96
105) 1,4-Dichlorobenzene	7.344	146	234307	24.72	ug/L		98
106) n-Butylbenzene	7.558	92	197921	25.99	ug/L		99
107) Benzyl Chloride	7.522	126	47558	27.49	ug/L		93
108) 1,2-Dichlorobenzene	7.652	146	215663	25.02	ug/L		97
109) 1,2-Dibromo-3-Chloropr...	8.207	75	39734	27.13	ug/L	#	77
110) Hexachlorobutadiene	8.688	225	36422	18.81	ug/L		85
111) 1,2,4-Trichlorobenzene	8.682	180	111484	23.35	ug/L		94
112) Naphthalene	8.886	128	473328	28.88	ug/L		99
113) 1,2,3-Trichlorobenzene	9.007	180	104125	23.10	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:41:33 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V2P3560-IC3560
Lab FileID: 2P92269.D
Injection Time: 08/24/22 11:26

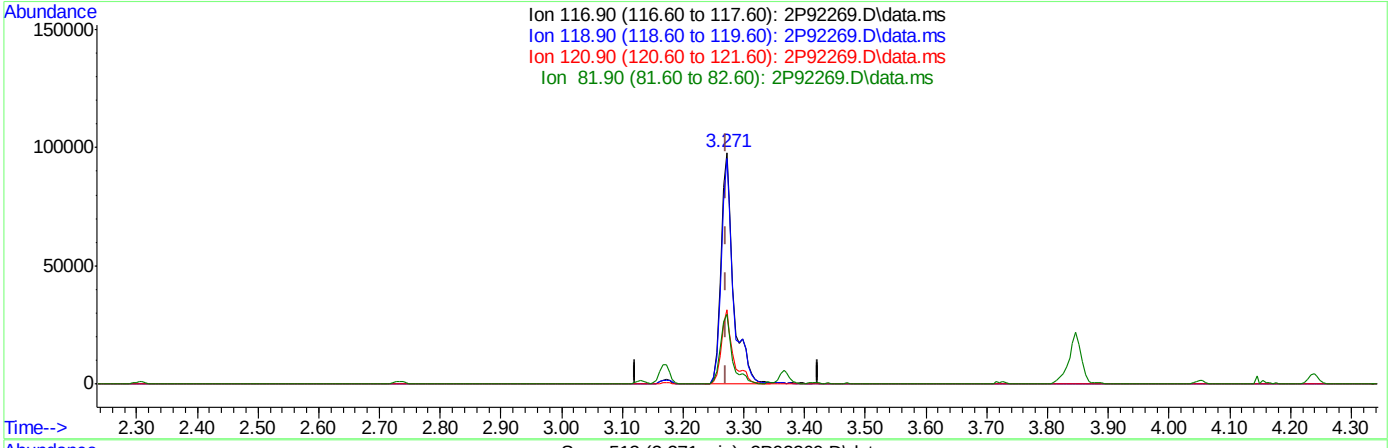
Method: SW846 8260D
Analyst approved: 08/24/22 11:42 Courtney Failla
Supervisor approved: 08/25/22 11:34 Karen Watson

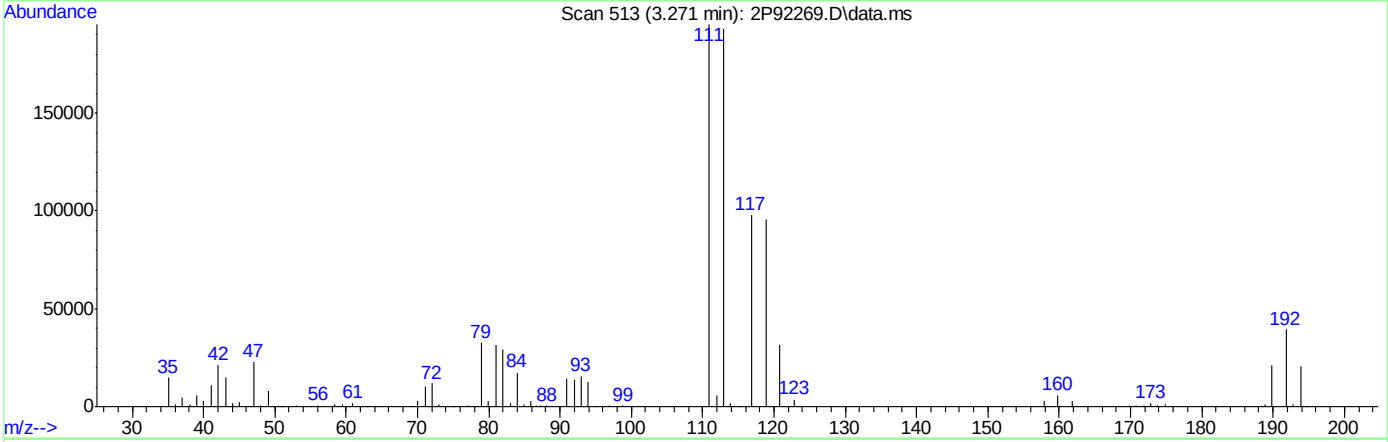
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:40:16 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92269.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (-0.000) 26.06ug/L

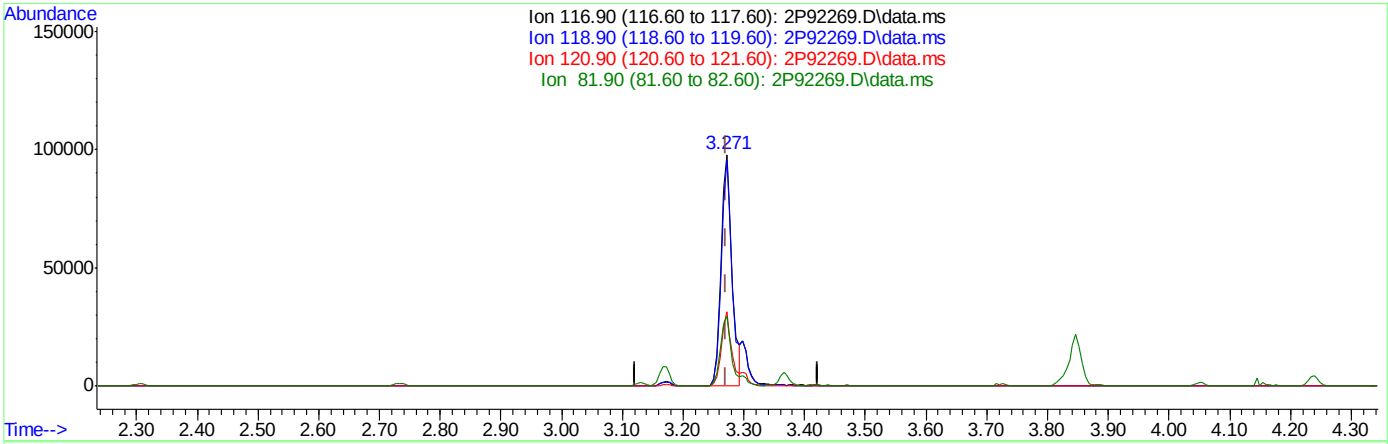
response 141131

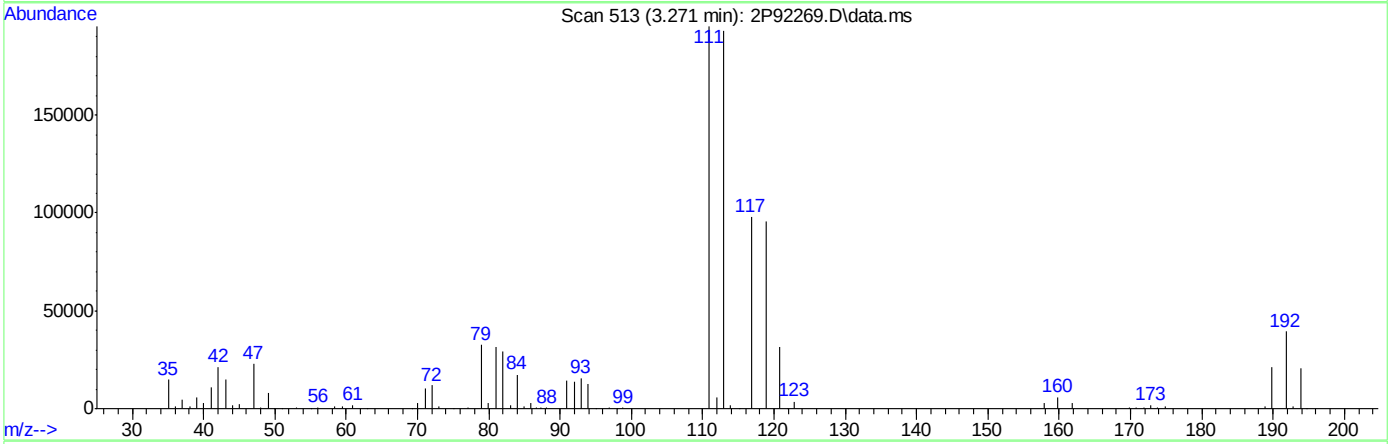
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	97.57
120.90	30.80	32.29
81.90	30.00	29.84

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:40:16 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92269.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (-0.000) 22.99ug/L m

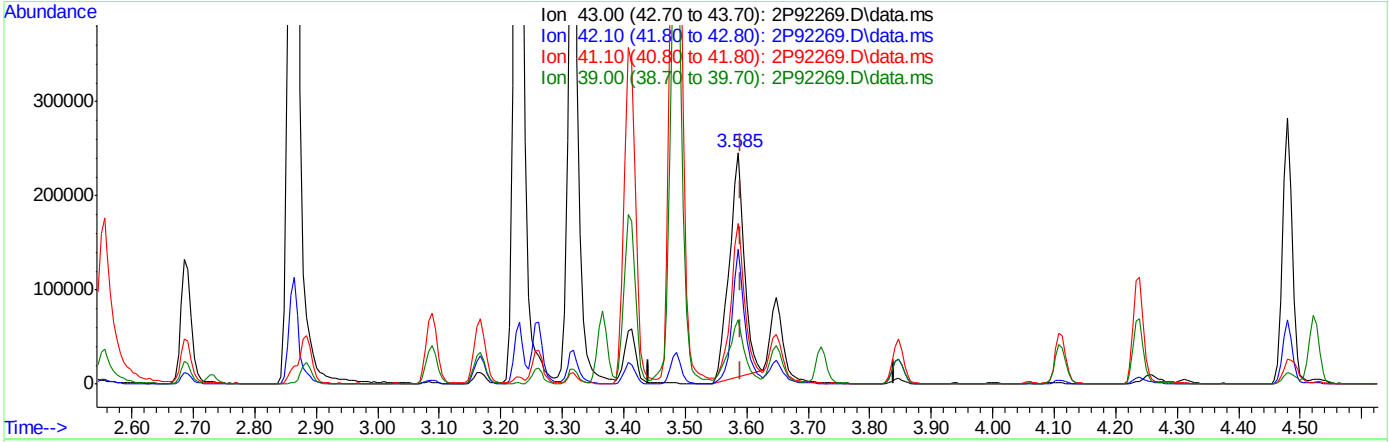
response 124530

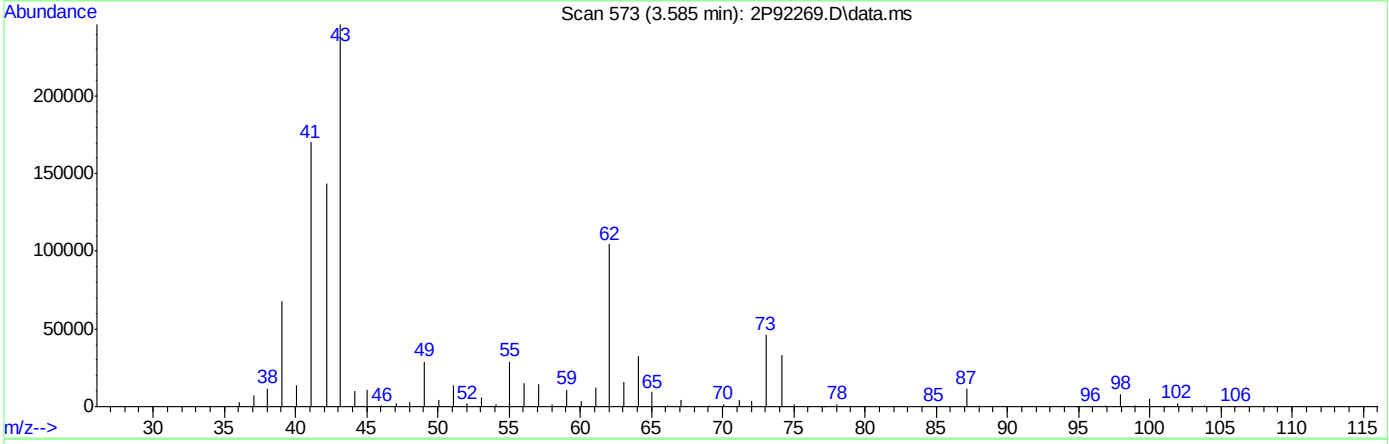
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	97.57
120.90	30.80	32.29
81.90	30.00	30.06

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:40:16 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92269.D\data.ms

(50) Isobutyl alcohol

3.585min (-0.006) 287.64ug/L

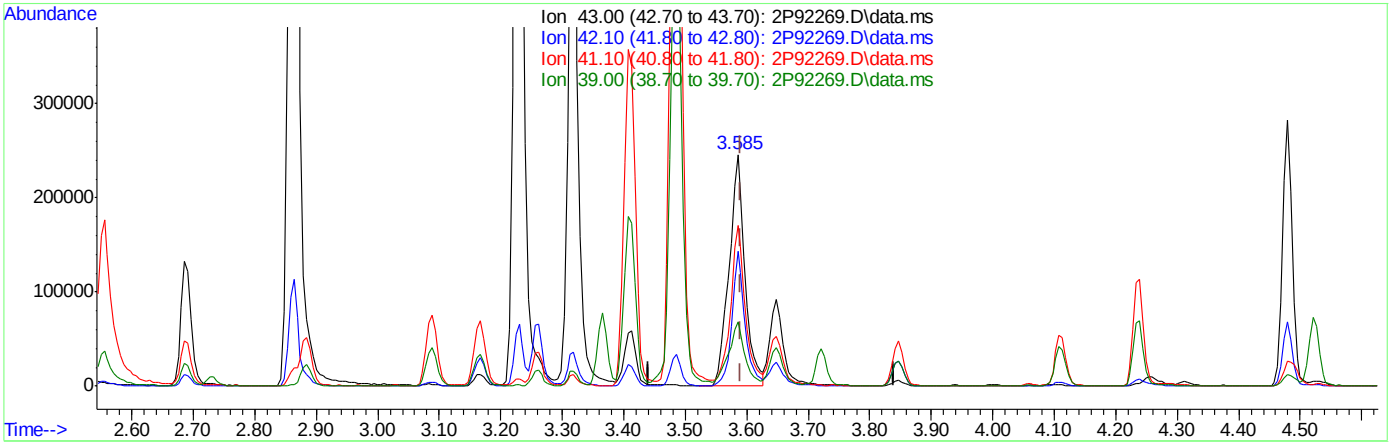
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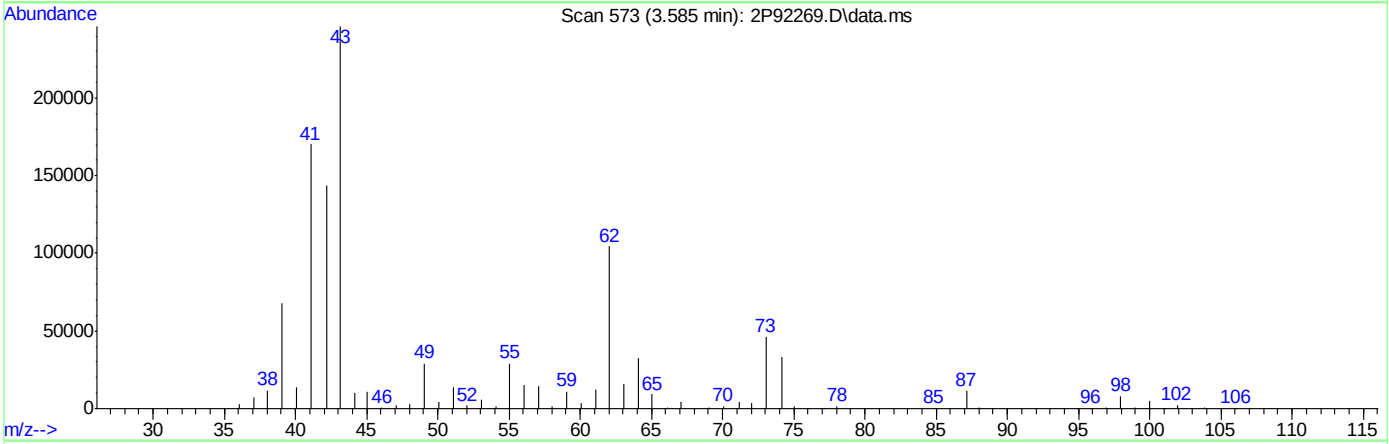
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	58.20
41.10	72.70	66.85
39.00	28.00	26.10

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:40:16 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92269.D\data.ms

(50) Isobutyl alcohol

3.585min (-0.006) 316.08ug/L m

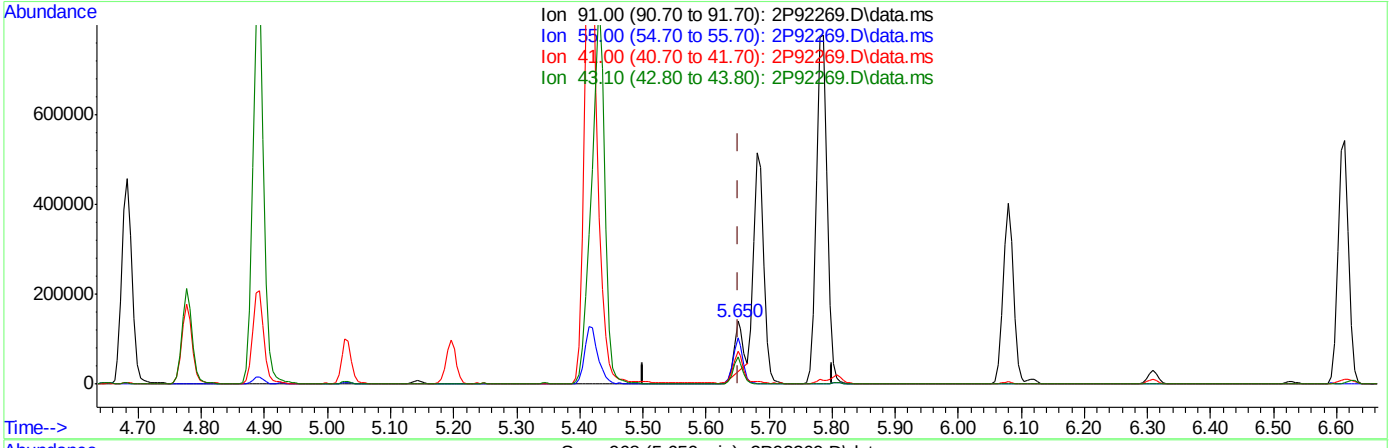
response 448045

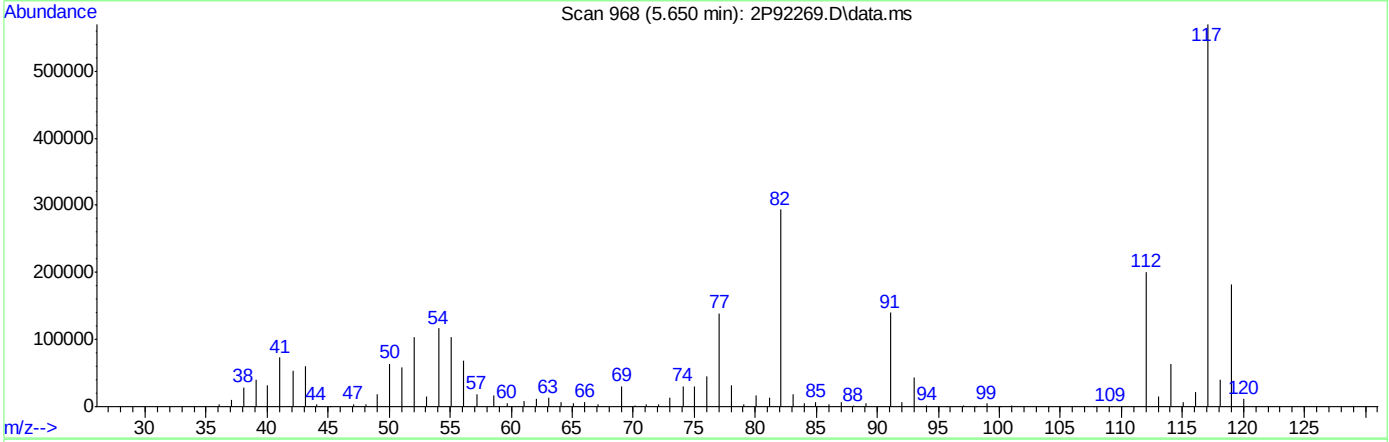
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	58.24
41.10	72.70	69.14
39.00	28.00	27.71

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:40:16 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92269.D\data.ms

(76) 1-Chlorohexane

5.650min (-0.001) 15.37ug/L

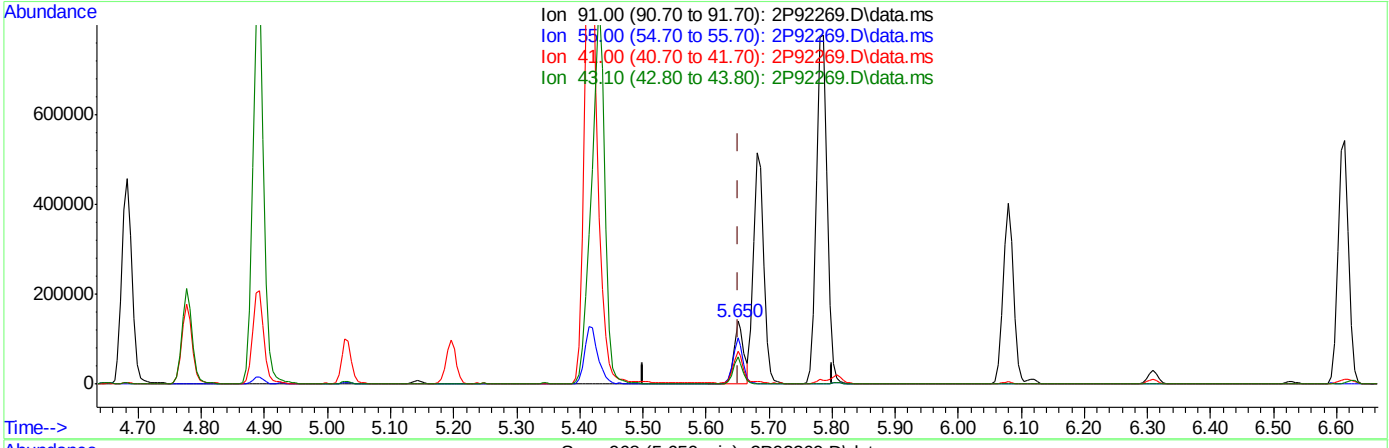
response 107400

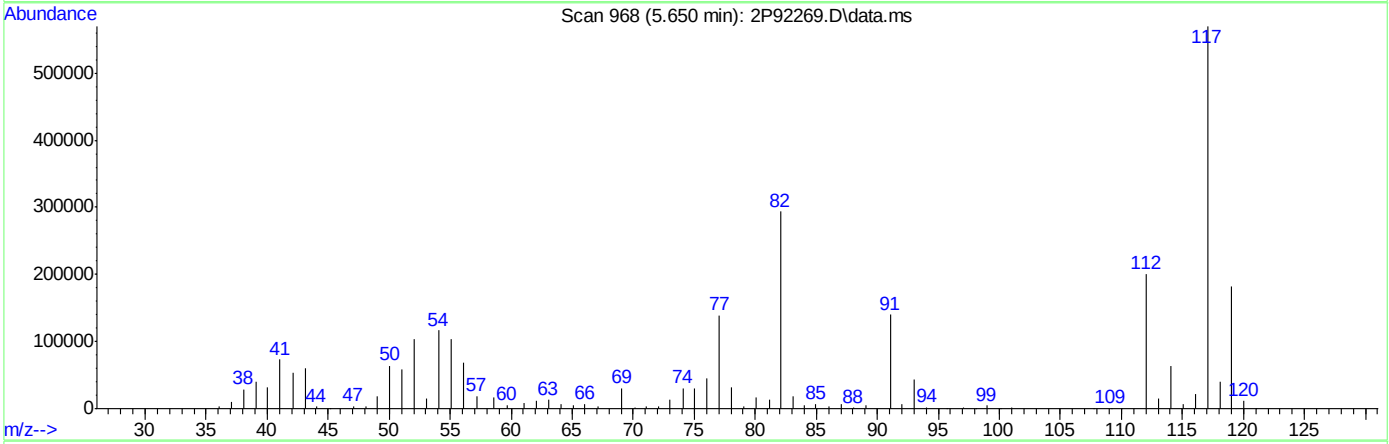
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	69.25#
41.00	83.00	49.14#
43.10	65.60	41.40#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92269.D
Acq On : 24 Aug 2022 11:26 am
Operator : courtnef
Sample : IC3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Aug 24 11:40:16 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92269.D\data.ms

(76) 1-Chlorohexane

5.650min (-0.001) 22.78ug/L m

response 159255

Ion	Exp%	Act%
91.00	100	100
55.00	103.70	73.94#
41.00	83.00	52.20#
43.10	65.60	43.01#

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:16:18 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1362226	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	951717	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	439370	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.265	113	292655	47.54	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.08%			
49) 1,2-Dichloroethane-d4	3.553	65	413626	43.11	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 86.22%			
63) Toluene-d8	4.651	98	1320237	52.04	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 104.08%			
86) 4-Bromofluorobenzene	6.496	174	339626	46.50	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	159680	31.25	ug/L	98
3) Chloromethane	1.252	50	165955	21.88	ug/L	92
4) 1,3-butadiene	1.320	39	158185	23.23	ug/L	86
5) Vinyl Chloride	1.305	62	211254	31.03	ug/L	100
6) Bromomethane	1.509	94	118429	44.42	ug/L	99
7) Chloroethane	1.582	64	60604	25.80	ug/L	97
8) Trichlorofluoromethane	1.676	101	230991	37.97	ug/L	97
9) Ethyl Ether	1.880	59	191869	30.22	ug/L	84
10) Ethanol	1.963	45	114850m	480.53	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.979	67	185736	33.54	ug/L	90
12) 1,1-Dichloroethene	1.984	61	270948	30.63	ug/L	87
13) Freon 113	2.016	101	177946	38.97	ug/L	96
14) Carbon Disulfide	2.005	76	462036	39.02	ug/L	86
15) Iodomethane	2.063	142	127120	20.28	ug/L	95
16) Acrolein	2.157	56	356140	158.99	ug/L	99
17) Allyl chloride	2.251	41	195990	24.48	ug/L	91
18) Methylene Chloride	2.303	49	249008	20.69	ug/L	76
19) Acetone	2.319	43	600710	126.80	ug/L	90
20) Methyl acetate	2.397	43	1297415	120.49	ug/L	89
21) trans-1,2-Dichloroethene	2.403	61	267114	29.60	ug/L	81
22) Hexane	2.470	56	141208	30.17	ug/L	91
23) Methyl Tert Butyl Ether	2.470	73	615215	36.81	ug/L	92
24) Tert Butyl Alcohol	2.507	59	767732	305.79	ug/L	89
25) Acetonitrile	2.554	41	380436	223.64	ug/L	96
26) Di-isopropyl ether	2.690	45	566157	25.42	ug/L	92
27) Chloroprene	2.732	53	778732	22.12	ug/L	91
28) 1,1-Dichloroethane	2.732	63	354298	31.59	ug/L	96
29) Acrylonitrile	2.732	52	608025	133.44	ug/L	81
30) ETBE	2.883	59	672969	31.31	ug/L	92
31) Vinyl acetate	2.863	43	2309020	142.96	ug/L	99
32) cis-1,2-Dichloroethene	3.025	96	208708	38.54	ug/L	85
33) 2,2-Dichloropropane	3.087	77	282200	36.69	ug/L	99
34) Bromochloromethane	3.129	128	92231	38.17	ug/L #	67
35) Cyclohexane	3.166	56	344840	29.93	ug/L #	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:16:18 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.171	83	359870	36.35	ug/L		92
37) Ethyl acetate	3.229	43	1688270	129.32	ug/L		94
38) Tetrahydrofuran	3.260	42	127818	23.37	ug/L		91
40) Carbon Tetrachloride	3.270	117	226621m	40.72	ug/L		
41) 1,1,1-Trichloroethane	3.297	97	311098	39.28	ug/L		93
42) 2-Butanone	3.317	43	1007592	126.31	ug/L		79
43) 1,1-Dichloropropene	3.364	75	271461	36.61	ug/L		84
44) tert-Butyl formate	3.412	59	790496	182.49	ug/L		93
45) Propionitrile	3.464	54	661145	271.68	ug/L		98
46) Methacrylonitrile	3.485	41	1834343	240.18	ug/L		98
47) Benzene	3.495	78	838308	36.58	ug/L		76
48) TAME	3.568	73	616154	38.11	ug/L		81
50) Isobutyl alcohol	3.584	43	731054m	501.90	ug/L		
51) 1,2-Dichloroethane	3.589	62	302289	31.01	ug/L		94
52) Tert Amyl Alcohol	3.652	59	634596	335.44	ug/L		89
53) Trichloroethene	3.830	95	211819	37.77	ug/L		93
54) Methylcyclohexane	3.845	83	308352	39.24	ug/L	#	82
55) Dibromomethane	4.049	93	120616	38.26	ug/L		93
56) 1,2-Dichloropropane	4.112	63	206603	32.69	ug/L		89
57) Bromodichloromethane	4.149	83	231330	39.22	ug/L		96
58) Methyl methacrylate	4.238	41	235387	25.91	ug/L	#	78
59) 1,4-Dioxane	4.258	88	127377	733.78	ug/L		81
60) 2-Chloroethyl vinyl ether	4.478	63	885147	168.96	ug/L		81
61) cis-1,3-Dichloropropene	4.525	75	298711	37.50	ug/L		76
64) Toluene	4.682	91	900051	40.44	ug/L		99
65) 2-Nitropropane	4.776	41	391161	139.11	ug/L		96
66) 4-Methyl-2-pentanone	4.891	43	1722379	143.84	ug/L		92
67) trans-1,3-Dichloropropene	4.922	75	275482	40.33	ug/L	#	65
68) Tetrachloroethene	4.938	166	194956	36.11	ug/L		90
69) Ethyl methacrylate	5.032	69	334716	42.26	ug/L	#	73
70) 1,1,2-Trichloroethane	5.022	83	157963	40.23	ug/L		85
71) Dibromochloromethane	5.142	129	170758	44.29	ug/L		95
72) 1,3-Dichloropropane	5.194	76	345339	38.90	ug/L		81
73) 1,2-Dibromoethane	5.294	107	194280	41.47	ug/L		92
74) 3,3-dimethyl-1-butanol	5.419	57	3980563	1523.55	ug/L	#	86
75) 2-hexanone	5.430	43	1985347	136.80	ug/L		76
76) 1-Chlorohexane	5.649	91	288409m	40.36	ug/L		
77) Ethylbenzene	5.686	91	1006237	41.32	ug/L		96
78) Chlorobenzene	5.654	112	539871	41.13	ug/L		94
79) 1,1,1,2-Tetrachloroethane	5.696	131	176443	44.04	ug/L		95
80) m,p-Xylene	5.785	91	1605683	83.44	ug/L		99
81) o-Xylene	6.078	91	790889	41.83	ug/L		99
82) Styrene	6.109	104	626072	44.09	ug/L		95
83) Bromoform	6.120	173	92559	40.56	ug/L		95
84) Isopropylbenzene	6.308	105	929375	42.70	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.527	53	104216	33.29	ug/L	#	76
88) n-Propylbenzene	6.611	91	1104132	44.76	ug/L		98
89) Bromobenzene	6.569	156	220000	43.23	ug/L		92
90) 1,1,2,2-Tetrachloroethane	6.632	83	298296	44.31	ug/L		95
91) 1,3,5-Trimethylbenzene	6.757	105	771308	44.81	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:16:18 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

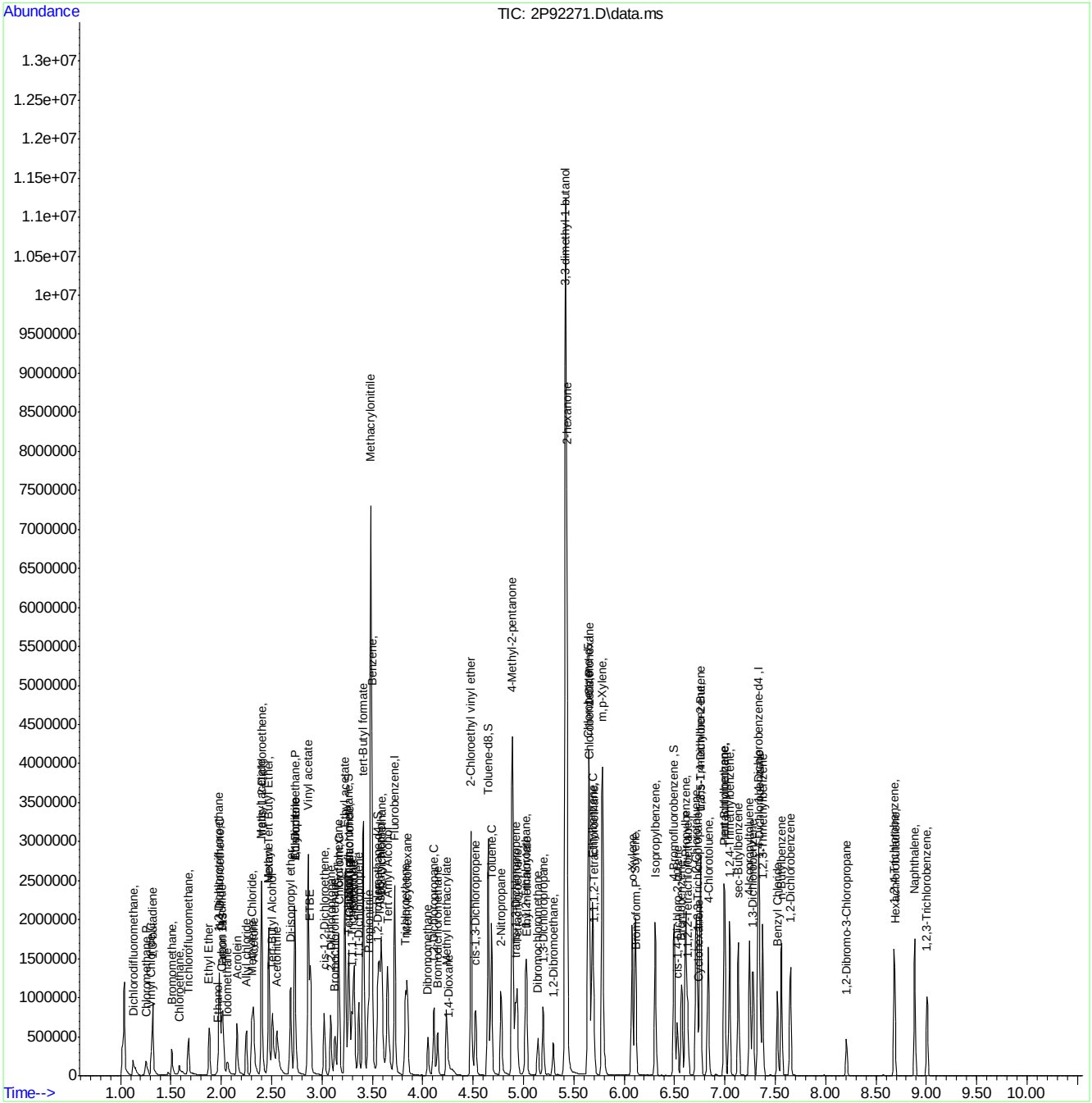
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.716	91	660067	44.09	ug/L		97
93)	trans-1,4-Dichloro-2-B...	6.757	53	130821	33.18	ug/L	#	73
94)	1,2,3-Trichloropropane	6.726	110	109718	43.92	ug/L		80
95)	Cyclohexanone	6.742	55	115127	178.71	ug/L		89
96)	4-Chlorotoluene	6.836	91	684076	43.68	ug/L		93
97)	tert-Butylbenzene	6.993	91	422484	44.48	ug/L		93
99)	1,2,4-Trimethylbenzene	7.045	105	748777	44.76	ug/L		98
100)	Pentachloroethane	6.998	167	97587	42.03	ug/L	#	89
101)	sec-Butylbenzene	7.134	105	829266	45.17	ug/L		98
102)	4-Isopropyltoluene	7.244	119	732772	46.76	ug/L		97
103)	1,3-Dichlorobenzene	7.280	146	390179	42.30	ug/L		96
104)	1,2,3-Trimethylbenzene	7.374	105	747003	44.53	ug/L		97
105)	1,4-Dichlorobenzene	7.343	146	411435	41.76	ug/L		98
106)	n-Butylbenzene	7.563	92	360016	45.48	ug/L		98
107)	Benzyl Chloride	7.521	126	99212	48.53	ug/L	#	91
108)	1,2-Dichlorobenzene	7.651	146	370843	41.39	ug/L		98
109)	1,2-Dibromo-3-Chloropr...	8.206	75	70256	43.50	ug/L	#	77
110)	Hexachlorobutadiene	8.687	225	70656	35.09	ug/L		93
111)	1,2,4-Trichlorobenzene	8.681	180	201331	40.56	ug/L		93
112)	Naphthalene	8.885	128	836609	49.10	ug/L		99
113)	1,2,3-Trichlorobenzene	9.005	180	185569	39.60	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:16:18 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

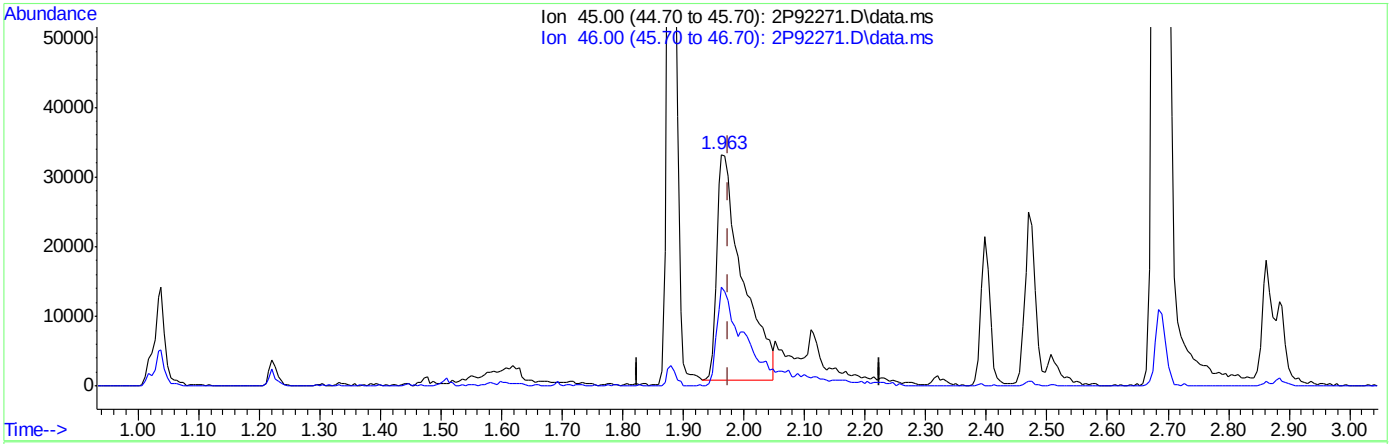
Sample Number: V2P3560-ICC3560 **Method:** SW846 8260D
Lab FileID: 2P92271.D **Analyst approved:** 08/24/22 12:17 Courtney Failla
Injection Time: 08/24/22 11:59 **Supervisor approved:** 08/25/22 11:34 Karen Watson

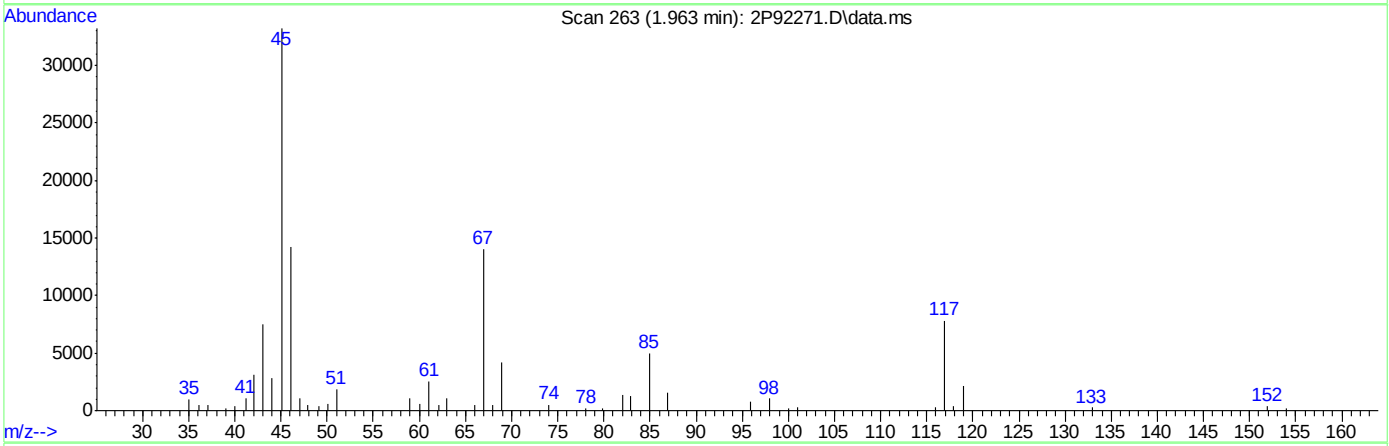
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.96	Poor instrument integration
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:12:57 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92271.D\data.ms

(10) Ethanol

1.963min (-0.011) 391.35ug/L

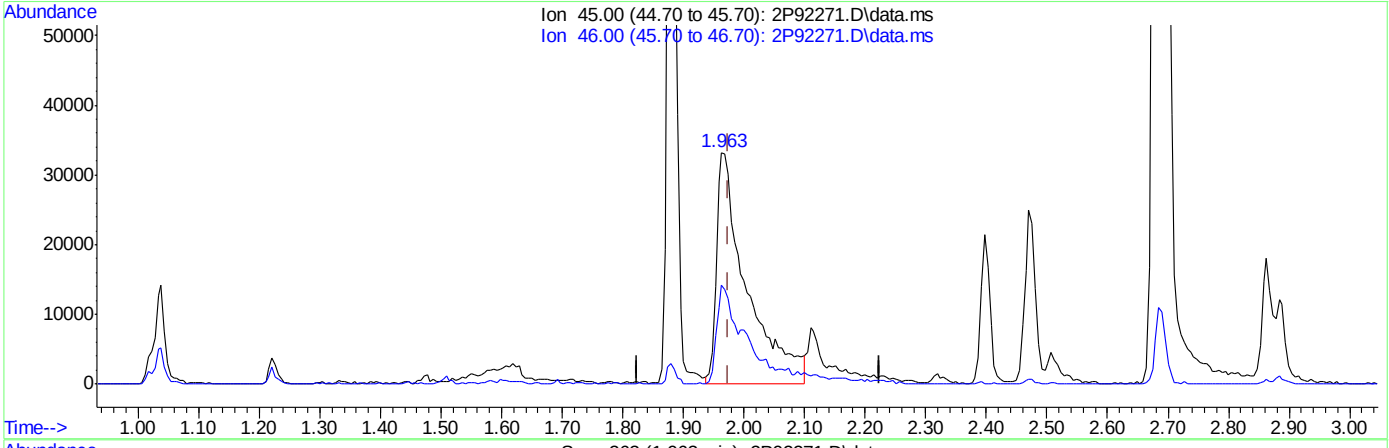
response 94418

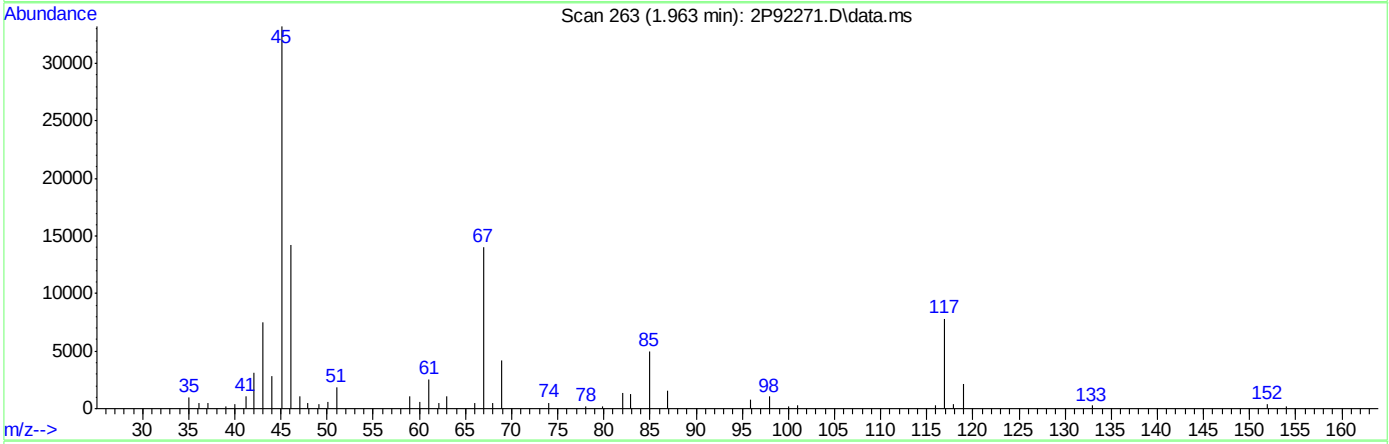
Ion	Exp%	Act%
45.00	100	100
46.00	41.80	43.92
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:12:57 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92271.D\data.ms

(10) Ethanol

1.963min (-0.011) 480.53ug/L m

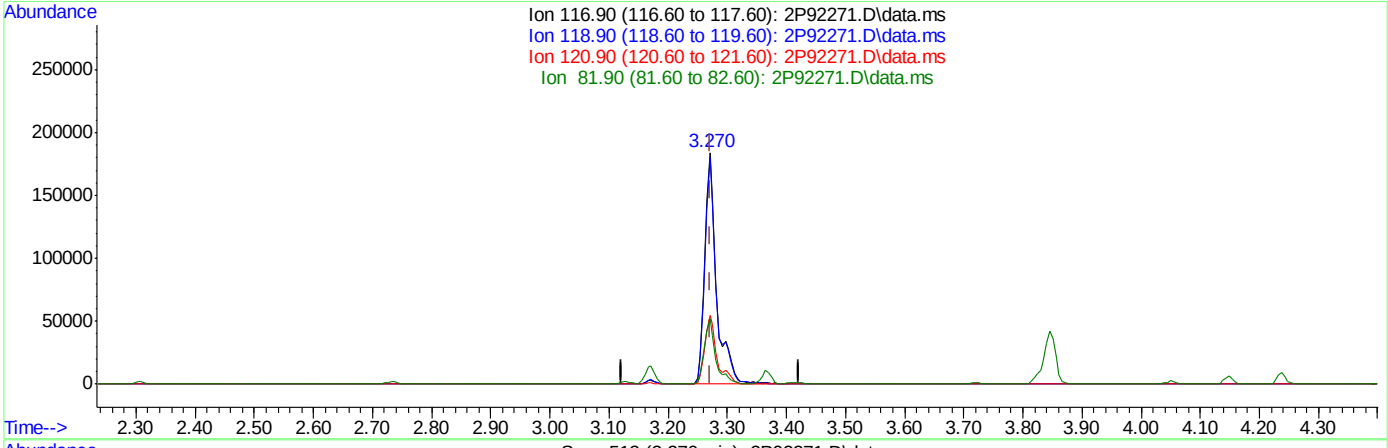
response 114850

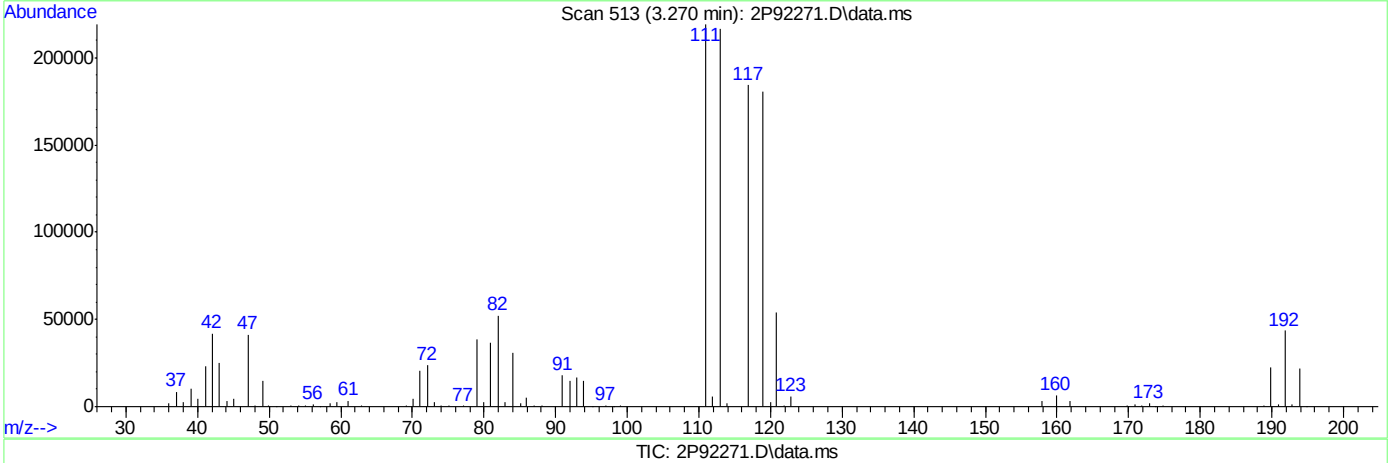
Ion	Exp%	Act%
45.00	100	100
46.00	41.80	42.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:12:57 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92271.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (-0.001) 46.91ug/L

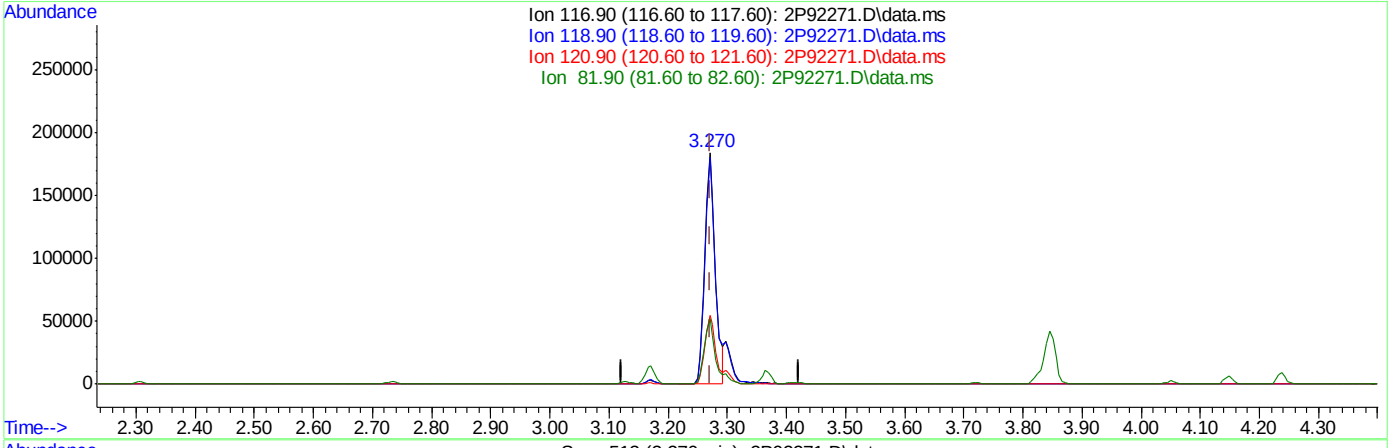
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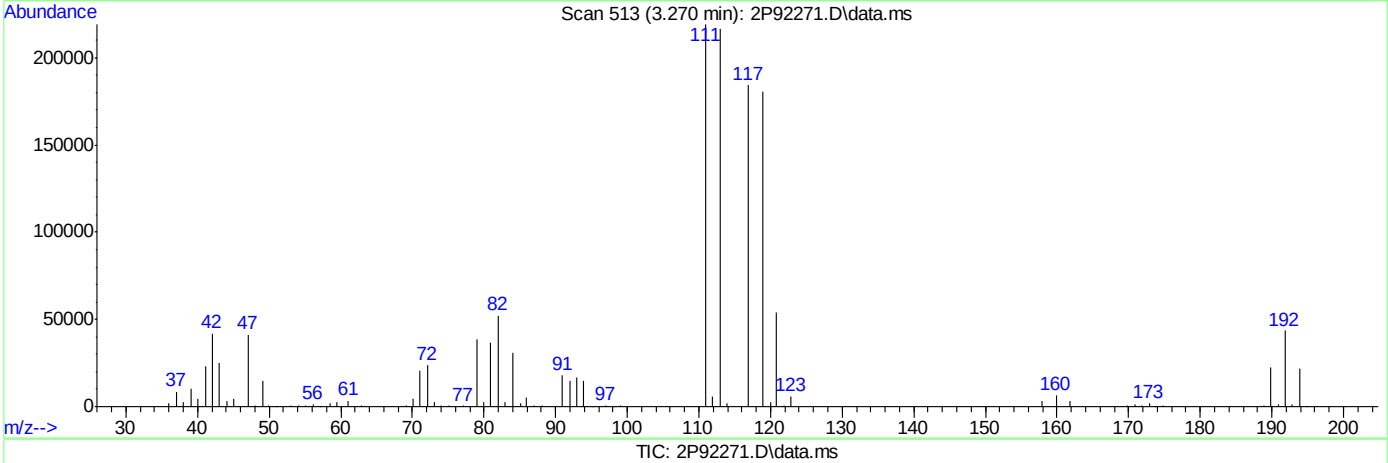
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	98.02
120.90	30.80	29.46
81.90	30.00	28.10

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:12:57 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92271.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (-0.001) 40.72ug/L m

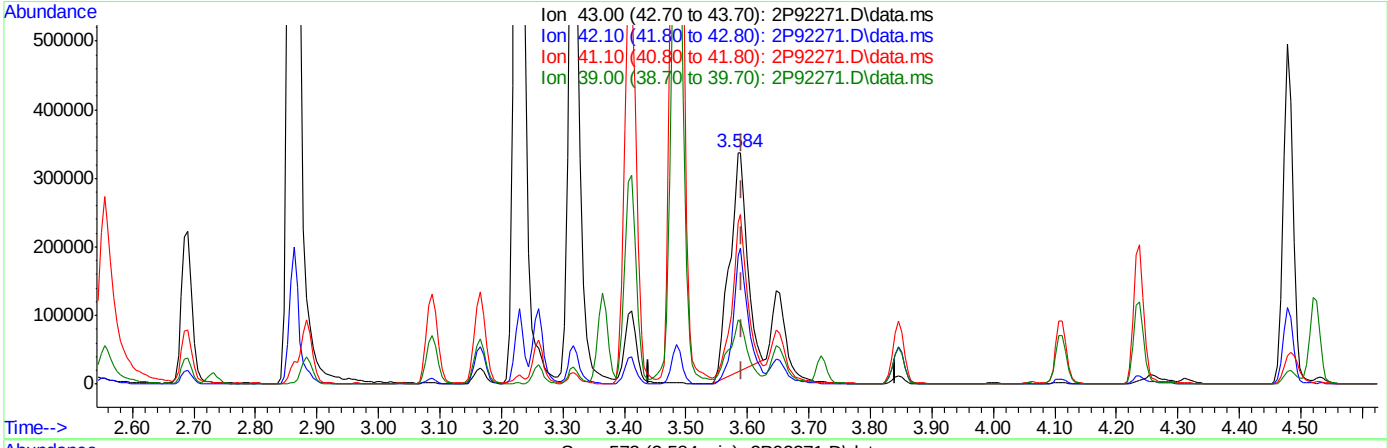
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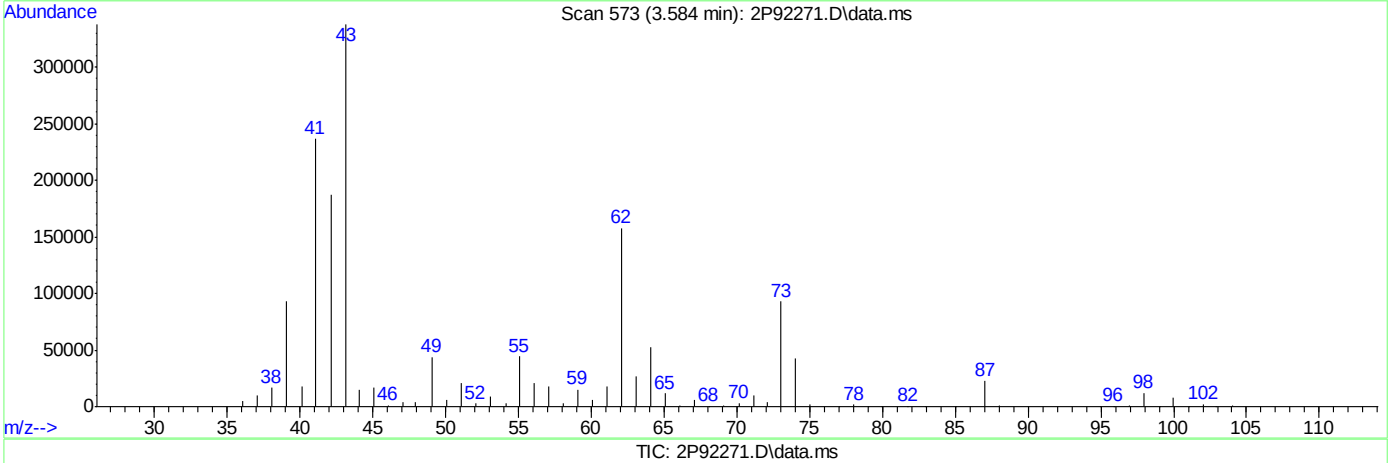
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	98.02
120.90	30.80	29.46
81.90	30.00	28.29

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:12:57 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92271.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.007) 433.71ug/L

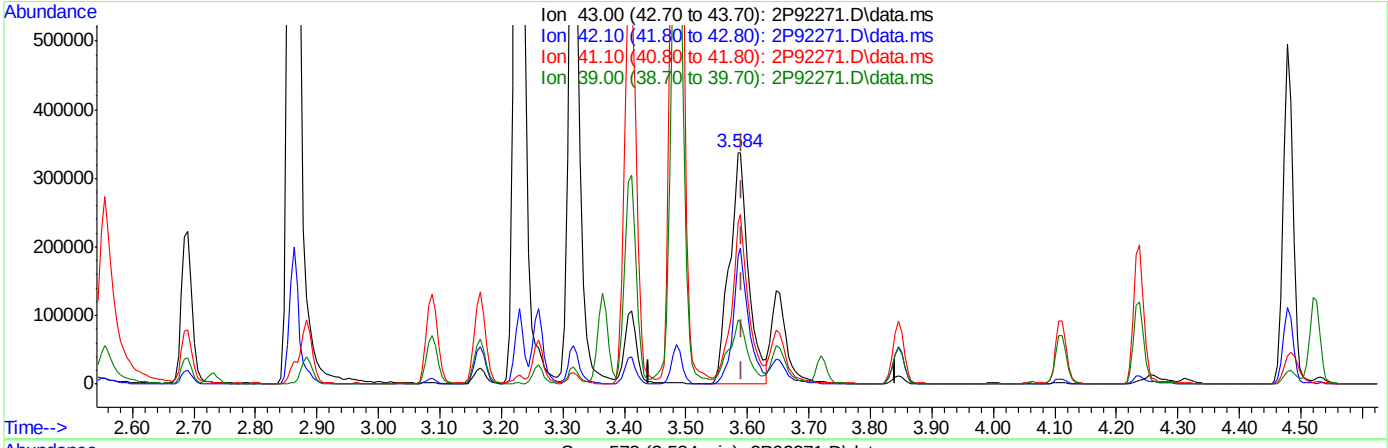
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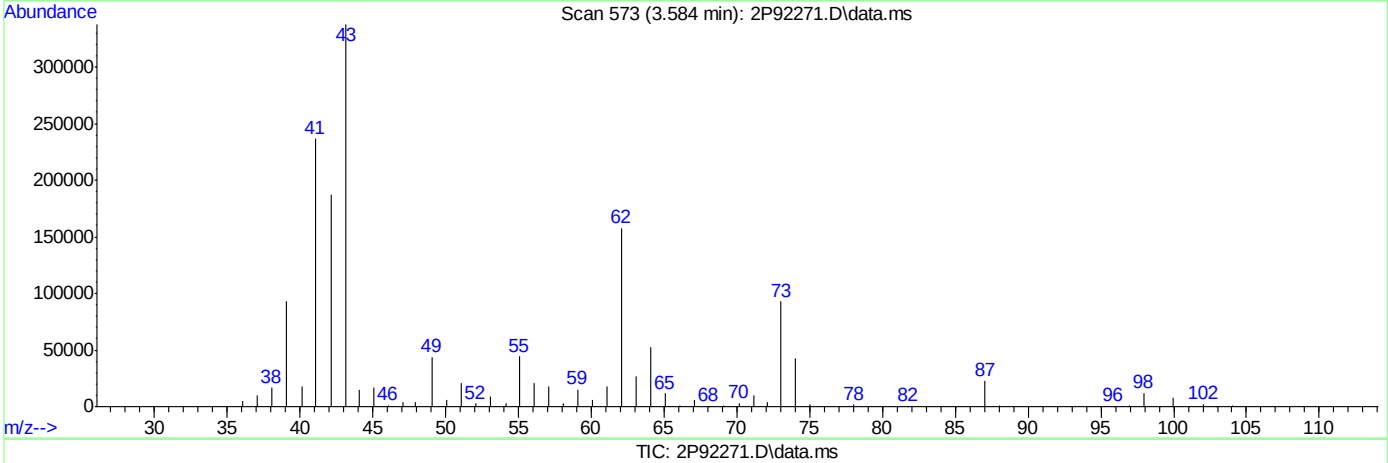
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	55.31
41.10	72.70	67.60
39.00	28.00	25.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:12:57 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92271.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.007) 501.90ug/L m

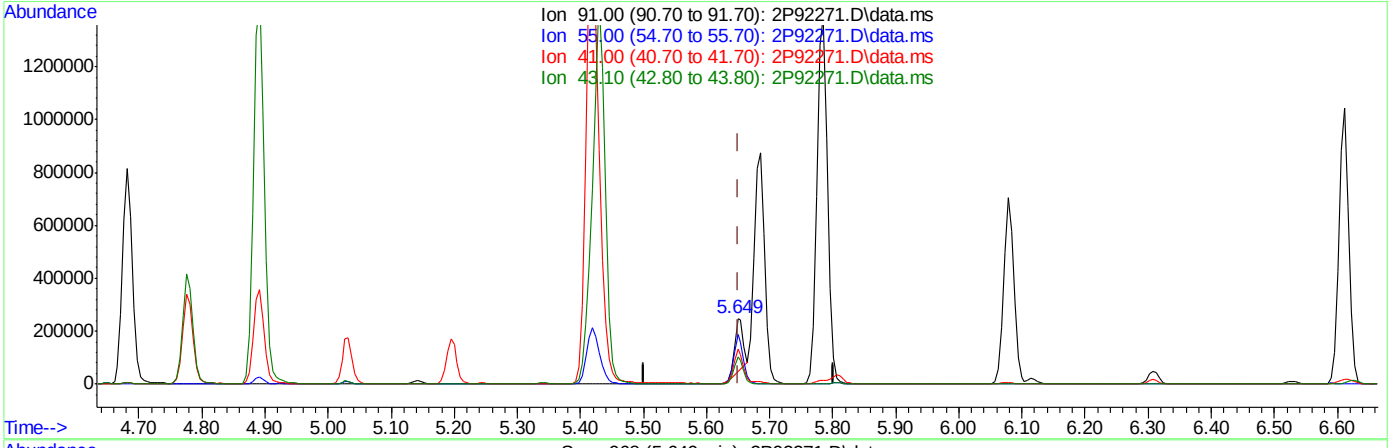
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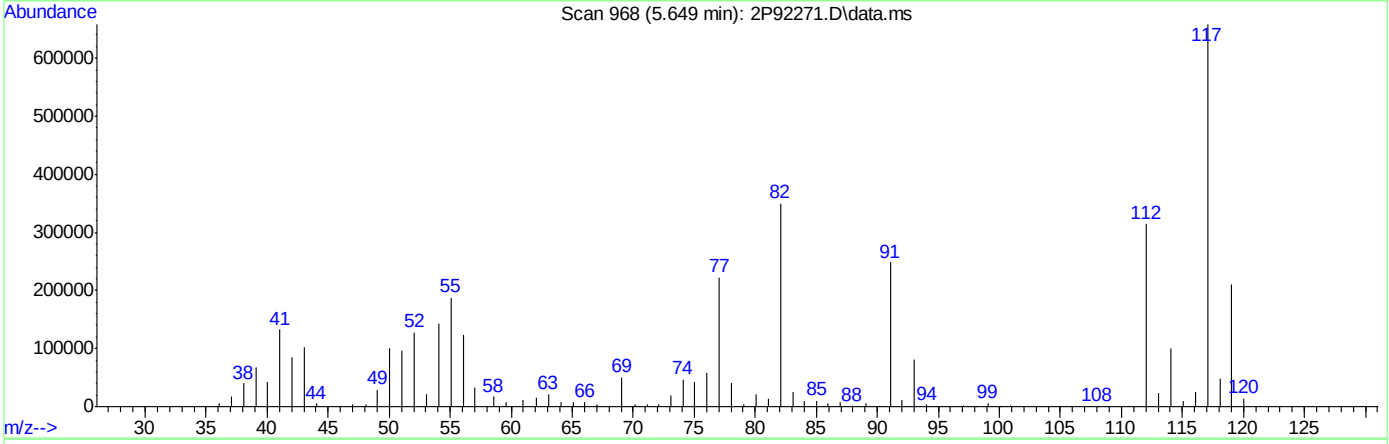
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	55.40
41.10	72.70	69.96
39.00	28.00	27.52

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:12:57 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92271.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 28.43ug/L

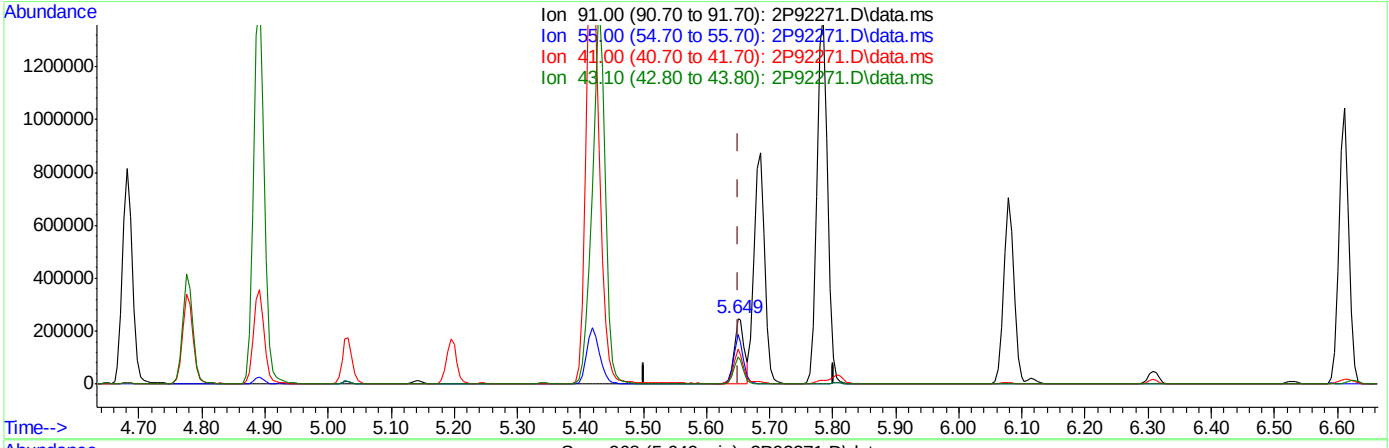
response 203197

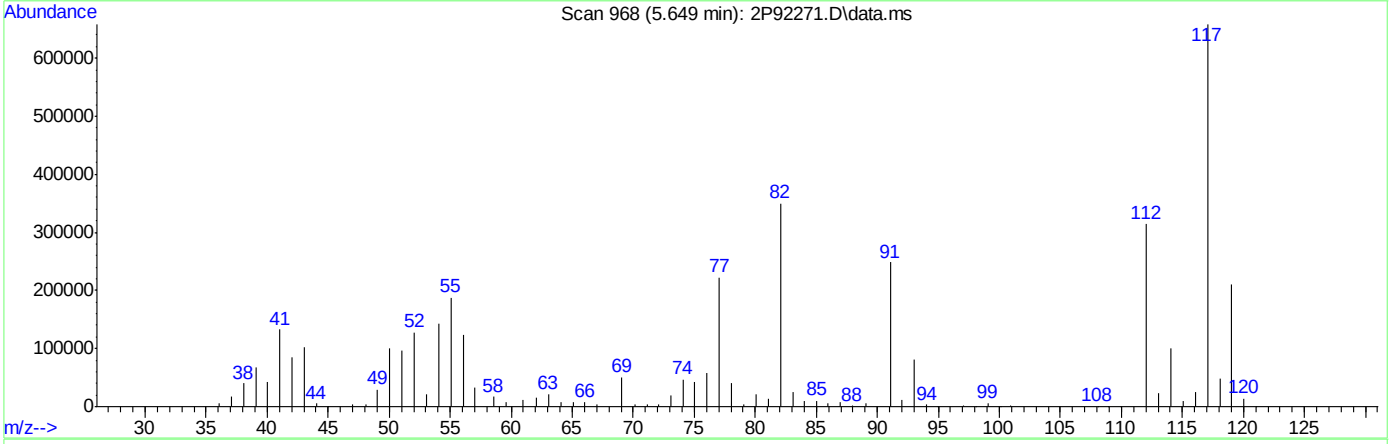
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	73.27#
41.00	83.00	51.28#
43.10	65.60	40.11#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92271.D
Acq On : 24 Aug 2022 11:59 am
Operator : courtnef
Sample : ICC3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 24 12:12:57 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92271.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 40.36ug/L m

response 288409

Ion	Exp%	Act%
91.00	100	100
55.00	103.70	75.64#
41.00	83.00	53.42#
43.10	65.60	41.26#

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:43:25 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.722	96	1407409	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.645	117	1001645	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.334	152	454388	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.267	113	304281	47.84	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.68%				
49) 1,2-Dichloroethane-d4	3.554	65	407999	41.16	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 82.32%				
63) Toluene-d8	4.652	98	1355682	50.77	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.54%				
86) 4-Bromofluorobenzene	6.498	174	355278	47.03	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.06%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.123	85	278687	52.79	ug/L		94
3) Chloromethane	1.254	50	322422	41.14	ug/L		96
4) 1,3-butadiene	1.322	39	304455	43.11	ug/L		84
5) Vinyl Chloride	1.306	62	395255	56.19	ug/L		99
6) Bromomethane	1.510	94	208960	75.86	ug/L		98
7) Chloroethane	1.583	64	112565	46.38	ug/L		96
8) Trichlorofluoromethane	1.672	101	286225	45.54	ug/L		97
9) Ethyl Ether	1.881	59	383465	58.47	ug/L		82
10) Ethanol	1.981	45	179945	750.13	ug/L		99
11) 1,2-Dichlorotrifluoroe...	1.975	67	353484	61.79	ug/L		93
12) 1,1-Dichloroethene	1.981	61	525897	57.54	ug/L		89
13) Freon 113	2.012	101	326364	69.18	ug/L		95
14) Carbon Disulfide	1.996	76	929994	69.82	ug/L		91
15) Iodomethane	2.059	142	254172	38.88	ug/L		94
16) Acrolein	2.158	56	686082	291.20	ug/L		99
17) Allyl chloride	2.247	41	382785	46.28	ug/L		93
18) Methylene Chloride	2.305	49	467880	40.01	ug/L		73
19) Acetone	2.320	43	1136836	235.13	ug/L		91
20) Methyl acetate	2.399	43	2487846	223.62	ug/L		88
21) trans-1,2-Dichloroethene	2.404	61	527592	56.58	ug/L		78
22) Hexane	2.467	56	276353	57.15	ug/L	#	87
23) Methyl Tert Butyl Ether	2.472	73	1214409	70.33	ug/L		82
24) Tert Butyl Alcohol	2.519	59	1439064	554.79	ug/L		85
25) Acetonitrile	2.556	41	649984	387.71	ug/L		97
26) Di-isopropyl ether	2.692	45	1119409	48.65	ug/L		92
27) Chloroprene	2.733	53	1486197	40.86	ug/L		92
28) 1,1-Dichloroethane	2.728	63	688488	59.42	ug/L		96
29) Acrylonitrile	2.733	52	1157234	245.82	ug/L		81
30) ETBE	2.885	59	1323562	59.59	ug/L		91
31) Vinyl acetate	2.864	43	4429124	265.41	ug/L		99
32) cis-1,2-Dichloroethene	3.021	96	402612	71.96	ug/L		88
33) 2,2-Dichloropropane	3.089	77	568040	67.12	ug/L		98
34) Bromochloromethane	3.131	128	177311	71.02	ug/L	#	64
35) Cyclohexane	3.162	56	653455	54.89	ug/L	#	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:43:25 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.167	83	699841	68.42	ug/L		93
37) Ethyl acetate	3.230	43	3259262	241.63	ug/L		94
38) Tetrahydrofuran	3.261	42	245157	43.38	ug/L		89
40) Carbon Tetrachloride	3.272	117	440807m	76.66	ug/L		
41) 1,1,1-Trichloroethane	3.298	97	602475	73.63	ug/L		92
42) 2-Butanone	3.319	43	1940078	234.09	ug/L		79
43) 1,1-Dichloropropene	3.366	75	518814	67.72	ug/L	#	79
44) tert-Butyl formate	3.413	59	1640040	327.56	ug/L		91
45) Propionitrile	3.465	54	1256296	491.90	ug/L		99
46) Methacrylonitrile	3.486	41	3515554	439.61	ug/L		96
47) Benzene	3.497	78	1644409	69.45	ug/L		78
48) TAME	3.570	73	1227634	73.49	ug/L		78
50) Isobutyl alcohol	3.596	43	1301441m	864.82	ug/L		
51) 1,2-Dichloroethane	3.591	62	580216	57.60	ug/L		93
52) Tert Amyl Alcohol	3.654	59	1226464	627.48	ug/L		86
53) Trichloroethene	3.826	95	413948	71.44	ug/L		95
54) Methylcyclohexane	3.847	83	589336	72.59	ug/L	#	80
55) Dibromomethane	4.051	93	236702	72.67	ug/L		94
56) 1,2-Dichloropropane	4.108	63	405831	62.15	ug/L		89
57) Bromodichloromethane	4.145	83	474801	71.10	ug/L		97
58) Methyl methacrylate	4.239	41	465072	47.71	ug/L	#	77
59) 1,4-Dioxane	4.265	88	229020	1276.96	ug/L		79
60) 2-Chloroethyl vinyl ether	4.480	63	1726933	309.73	ug/L		80
61) cis-1,3-Dichloropropene	4.521	75	615066	69.59	ug/L		78
64) Toluene	4.683	91	1767972	75.48	ug/L		100
65) 2-Nitropropane	4.778	41	858325	257.87	ug/L		97
66) 4-Methyl-2-pentanone	4.893	43	3330202	264.25	ug/L		91
67) trans-1,3-Dichloropropene	4.919	75	556698	72.51	ug/L		78
68) Tetrachloroethene	4.940	166	377812	66.50	ug/L		92
69) Ethyl methacrylate	5.034	69	661650	79.37	ug/L	#	72
70) 1,1,2-Trichloroethane	5.023	83	309443	74.88	ug/L		83
71) Dibromochloromethane	5.144	129	356313	79.81	ug/L		95
72) 1,3-Dichloropropane	5.196	76	678805	72.66	ug/L		80
73) 1,2-Dibromoethane	5.295	107	390890	79.28	ug/L		100
74) 3,3-dimethyl-1-butanol	5.426	57	7575345	2754.92	ug/L	#	86
75) 2-hexanone	5.431	43	3689641	241.56	ug/L	#	39
76) 1-Chlorohexane	5.651	91	574578m	76.40	ug/L		
77) Ethylbenzene	5.687	91	1966345	76.72	ug/L		96
78) Chlorobenzene	5.656	112	1070579	77.50	ug/L		92
79) 1,1,1,2-Tetrachloroethane	5.698	131	360610	81.15	ug/L		96
80) m,p-Xylene	5.781	91	3165996	156.32	ug/L		98
81) o-Xylene	6.079	91	1567775	78.78	ug/L		99
82) Styrene	6.111	104	1264188	84.59	ug/L		95
83) Bromoform	6.121	173	205699	73.70	ug/L		97
84) Isopropylbenzene	6.309	105	1828395	79.82	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.529	53	217724	61.57	ug/L	#	66
88) n-Propylbenzene	6.613	91	2184607	85.64	ug/L		99
89) Bromobenzene	6.571	156	433440	82.36	ug/L		88
90) 1,1,2,2-Tetrachloroethane	6.628	83	579536	83.25	ug/L		96
91) 1,3,5-Trimethylbenzene	6.759	105	1524602	85.64	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:43:25 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

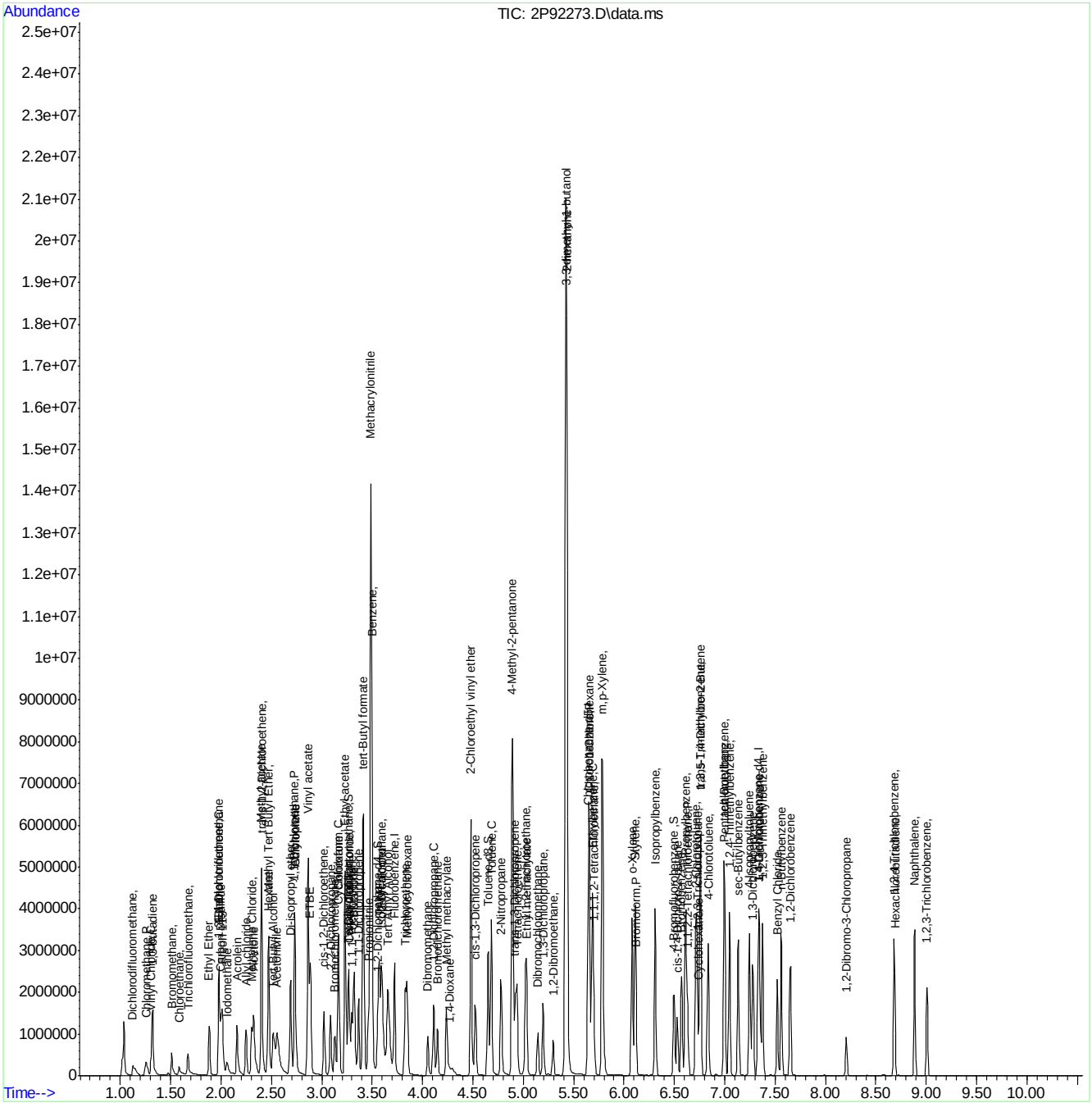
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	6.712	91	1301038	84.03	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.759	53	263986	60.86	ug/L	#	61
94) 1,2,3-Trichloropropane	6.728	110	213857	82.77	ug/L	#	78
95) Cyclohexanone	6.743	55	213329	320.20	ug/L		88
96) 4-Chlorotoluene	6.837	91	1366925	84.41	ug/L		94
97) tert-Butylbenzene	6.994	91	846098	86.13	ug/L		93
99) 1,2,4-Trimethylbenzene	7.047	105	1490286	86.13	ug/L		97
100) Pentachloroethane	6.999	167	201602	74.35	ug/L		96
101) sec-Butylbenzene	7.135	105	1629742	85.84	ug/L		98
102) 4-Isopropyltoluene	7.245	119	1449961	89.46	ug/L		96
103) 1,3-Dichlorobenzene	7.277	146	777359	81.49	ug/L		98
104) 1,2,3-Trimethylbenzene	7.376	105	1476951	85.13	ug/L		97
105) 1,4-Dichlorobenzene	7.345	146	793210	77.85	ug/L		98
106) n-Butylbenzene	7.559	92	709933	86.72	ug/L		98
107) Benzyl Chloride	7.522	126	220570	85.96	ug/L	#	86
108) 1,2-Dichlorobenzene	7.653	146	728220	78.58	ug/L		98
109) 1,2-Dibromo-3-Chloropr...	8.207	75	149907	79.68	ug/L	#	70
110) Hexachlorobutadiene	8.688	225	136790	65.70	ug/L		94
111) 1,2,4-Trichlorobenzene	8.683	180	396197	77.18	ug/L		94
112) Naphthalene	8.887	128	1702790	96.64	ug/L		99
113) 1,2,3-Trichlorobenzene	9.007	180	368584	76.06	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:43:25 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

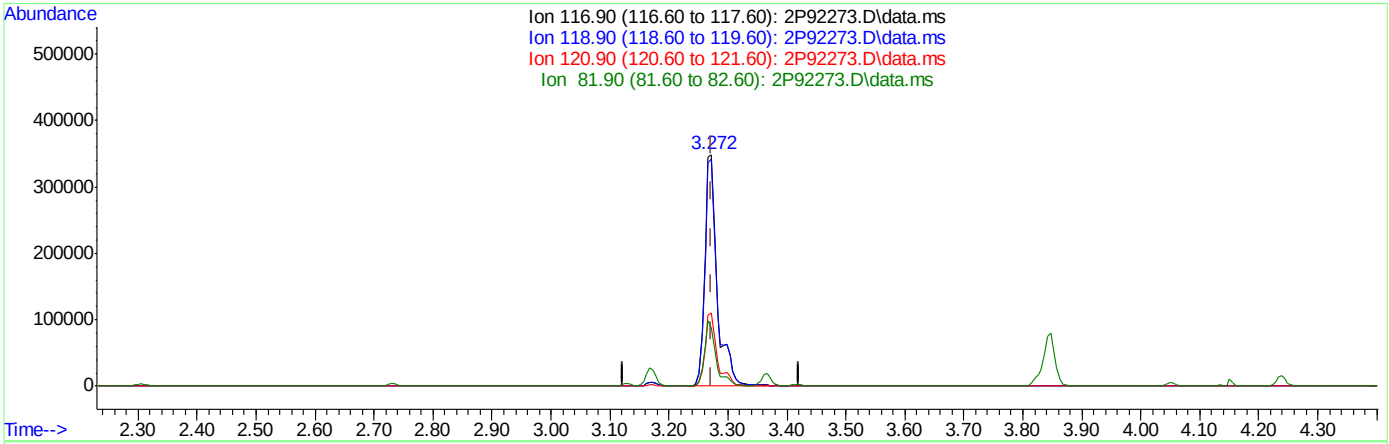
Sample Number: V2P3560-IC3560 **Method:** SW846 8260D
Lab FileID: 2P92273.D **Analyst approved:** 08/24/22 12:44 Courtney Failla
Injection Time: 08/24/22 12:31 **Supervisor approved:** 08/25/22 11:34 Karen Watson

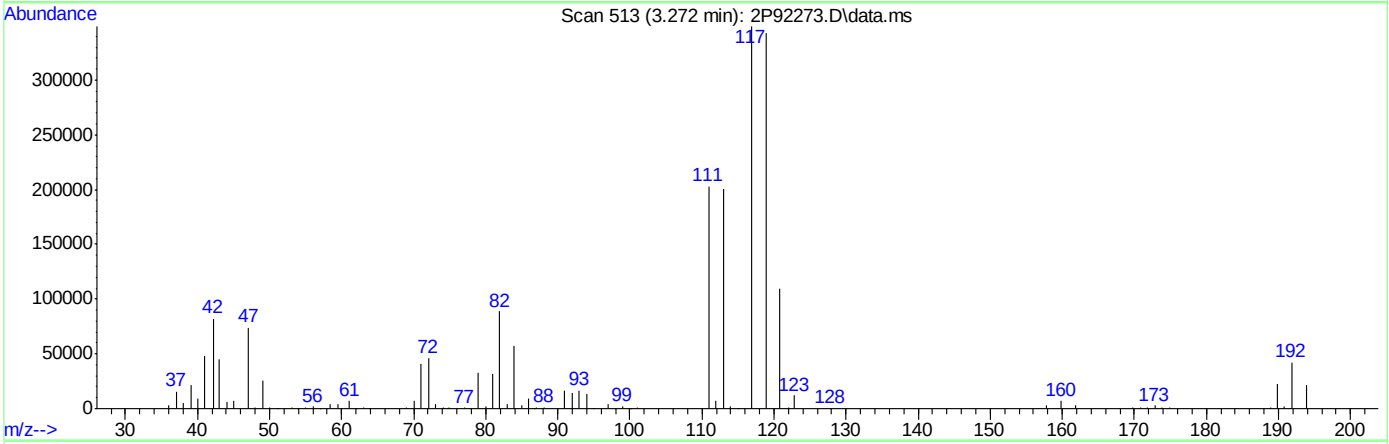
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.60	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:42:19 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92273.D\data.ms

(40) Carbon Tetrachloride ( )

3.272min (+0.000) 89.96ug/L

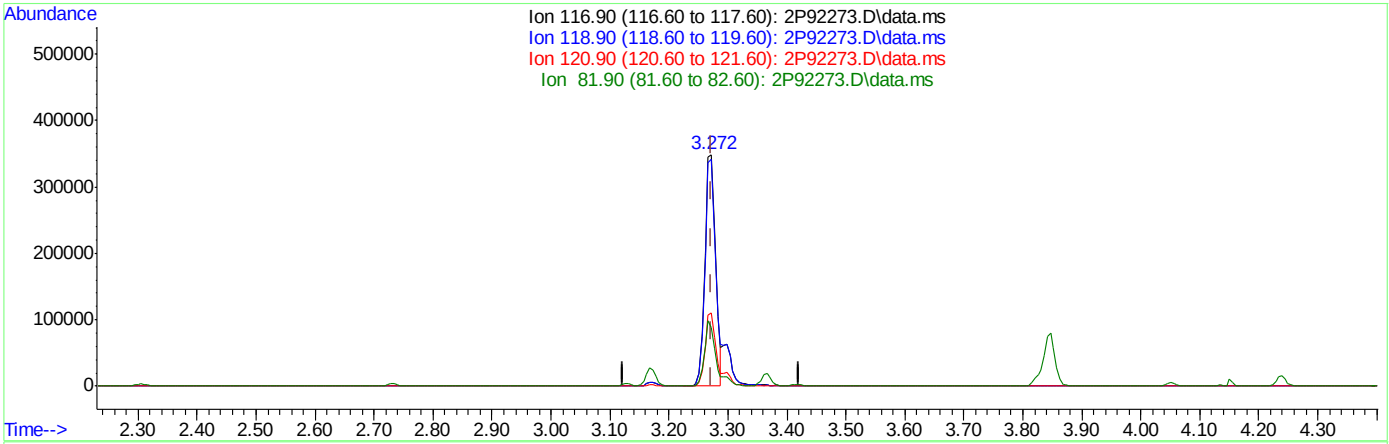
response 517268

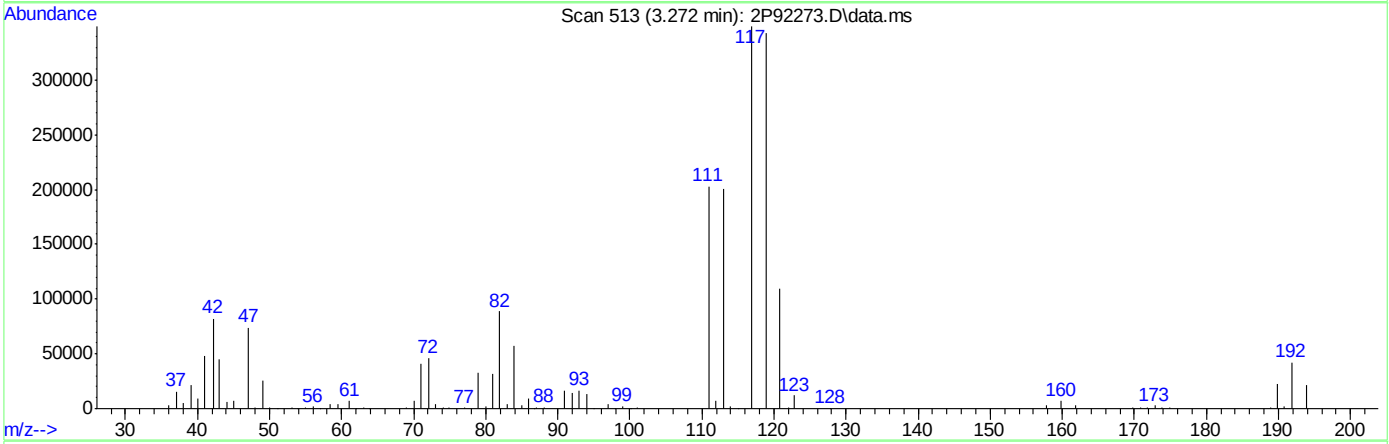
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	98.11
120.90	30.80	31.45
81.90	30.00	25.31

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:42:19 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92273.D\data.ms

(40) Carbon Tetrachloride ( )

3.272min (+0.000) 76.66ug/L m

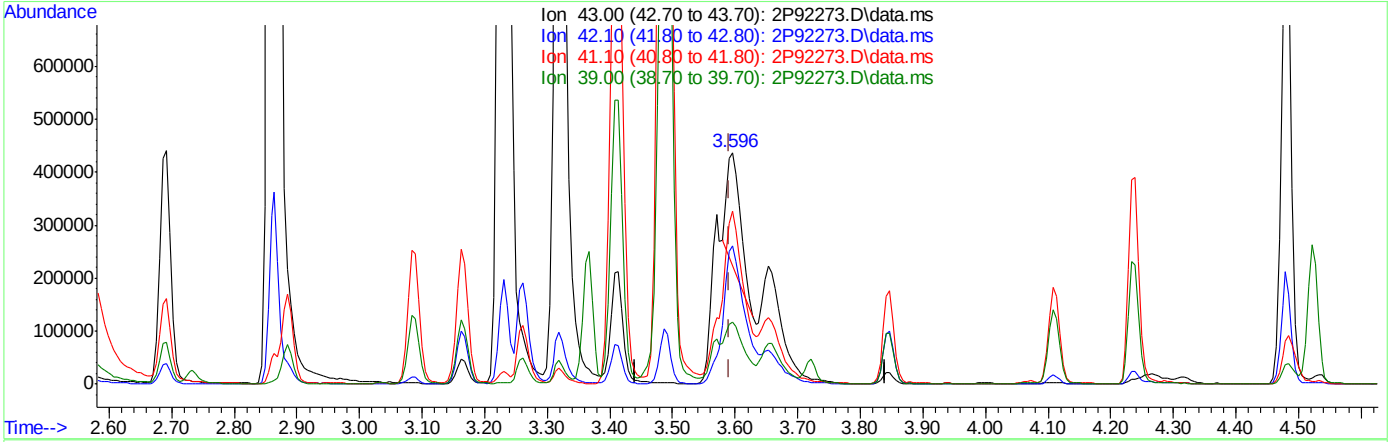
response 440807

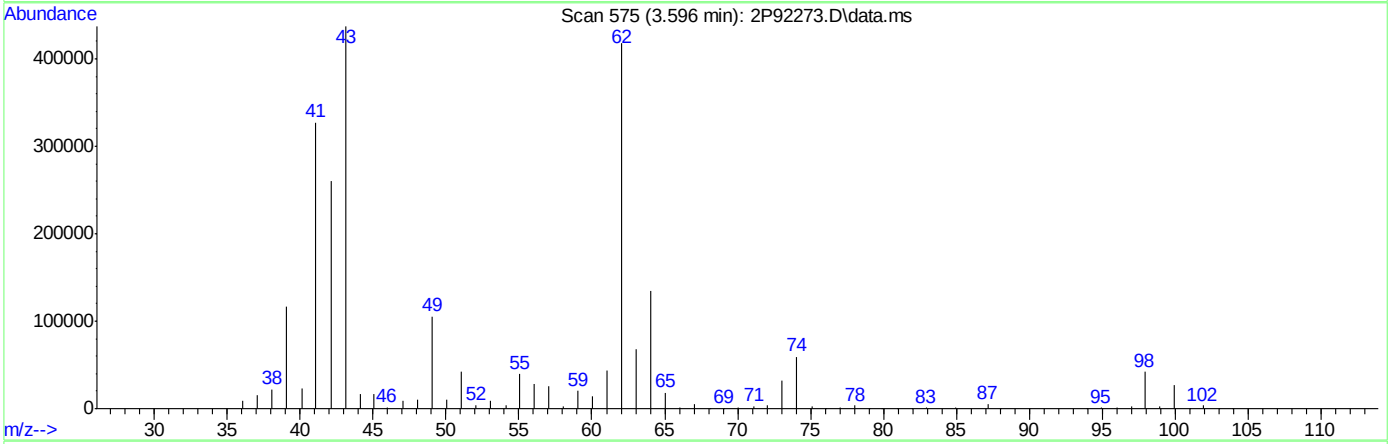
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	98.11
120.90	30.80	31.45
81.90	30.00	25.43

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:42:19 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92273.D\data.ms

(50) Isobutyl alcohol

3.596min (+0.005) 191.12ug/L

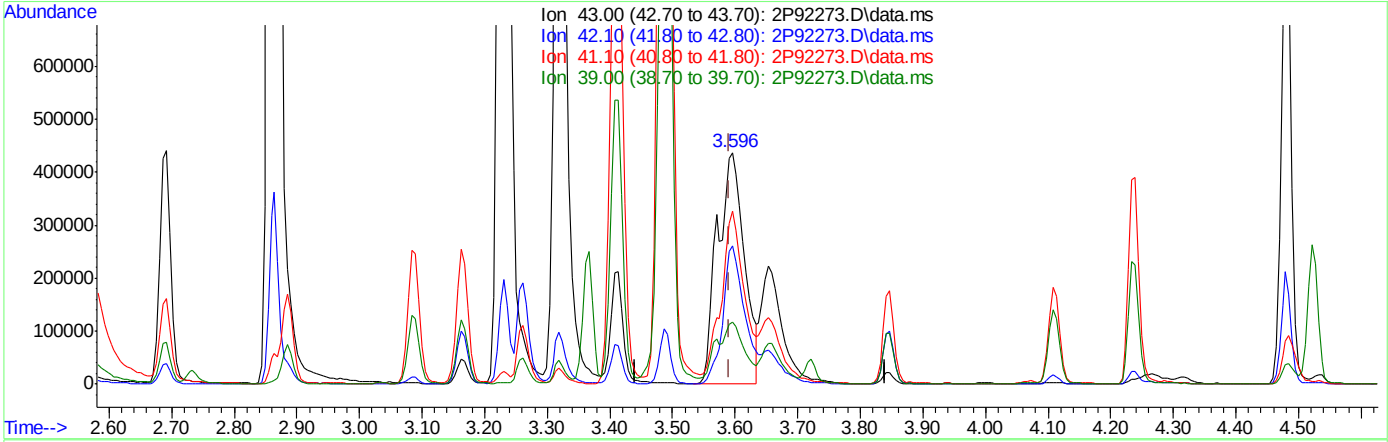
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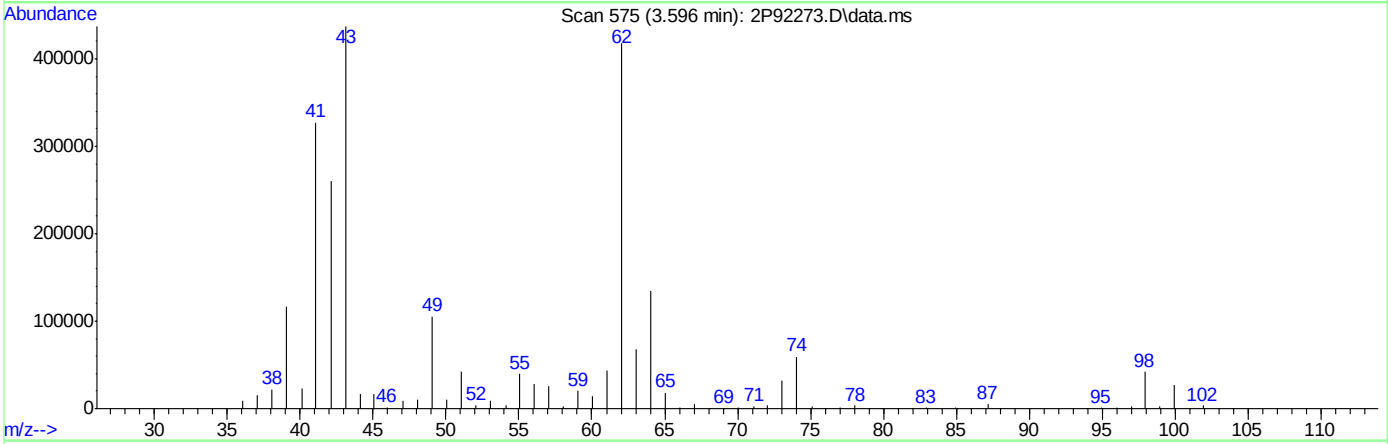
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	60.60
41.10	72.70	74.53
39.00	28.00	25.11

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:42:19 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92273.D\data.ms

(50) Isobutyl alcohol

3.596min (+0.005) 864.82ug/L m

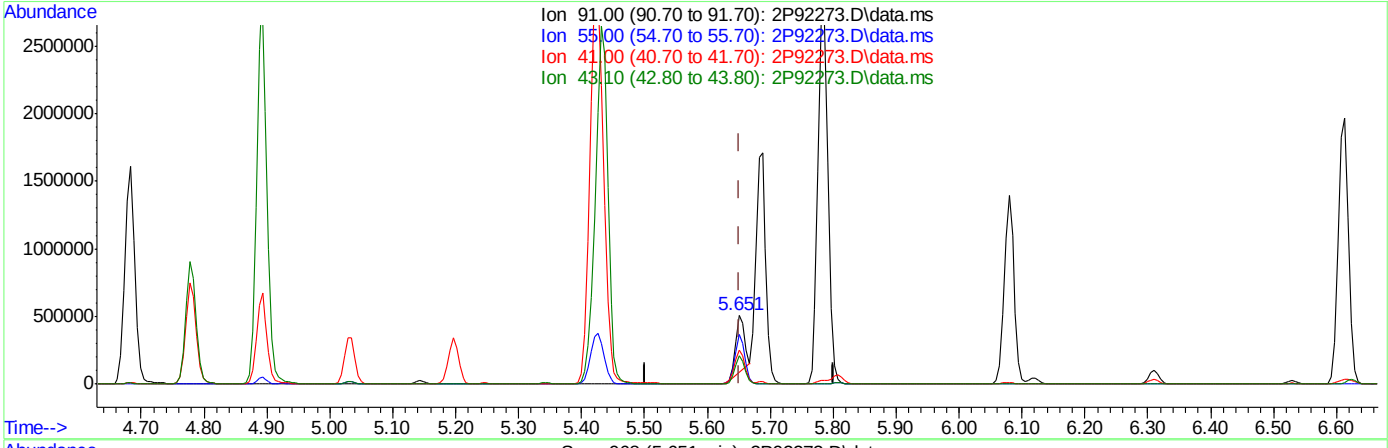
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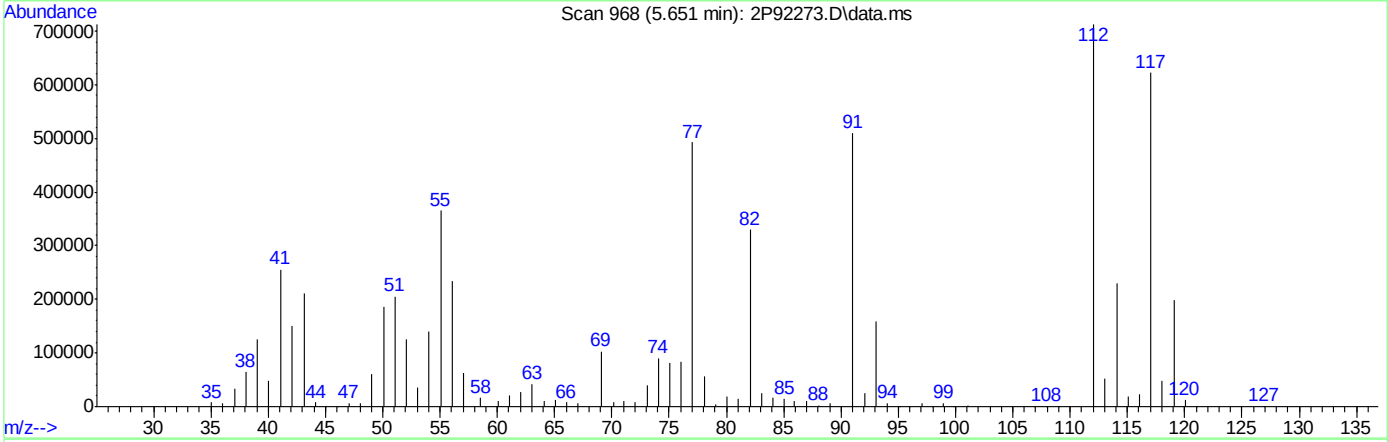
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	59.63
41.10	72.70	74.81
39.00	28.00	26.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:42:19 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92273.D\data.ms

(76) 1-Chlorohexane

5.651min (-0.001) 53.23ug/L

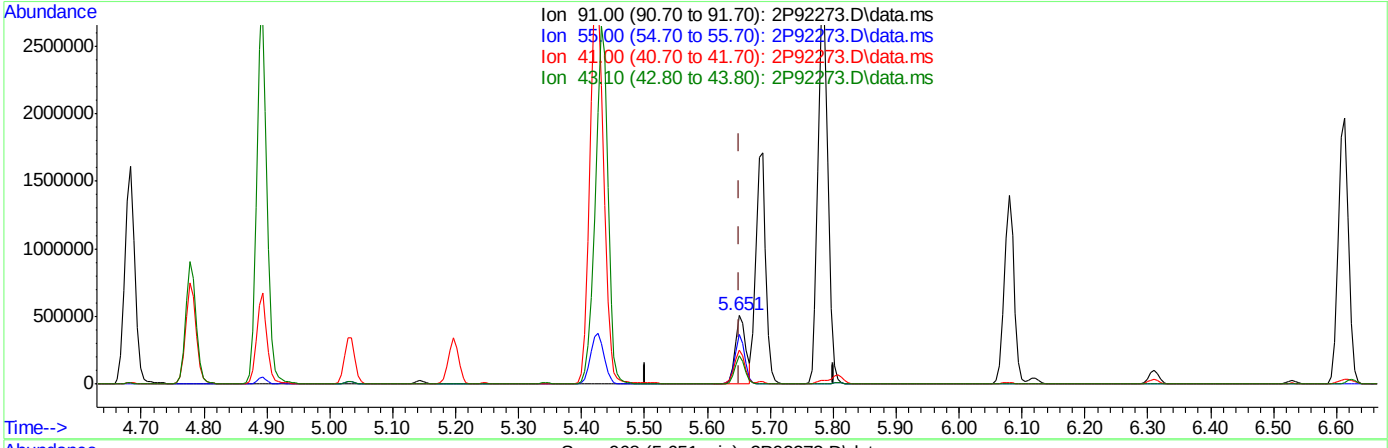
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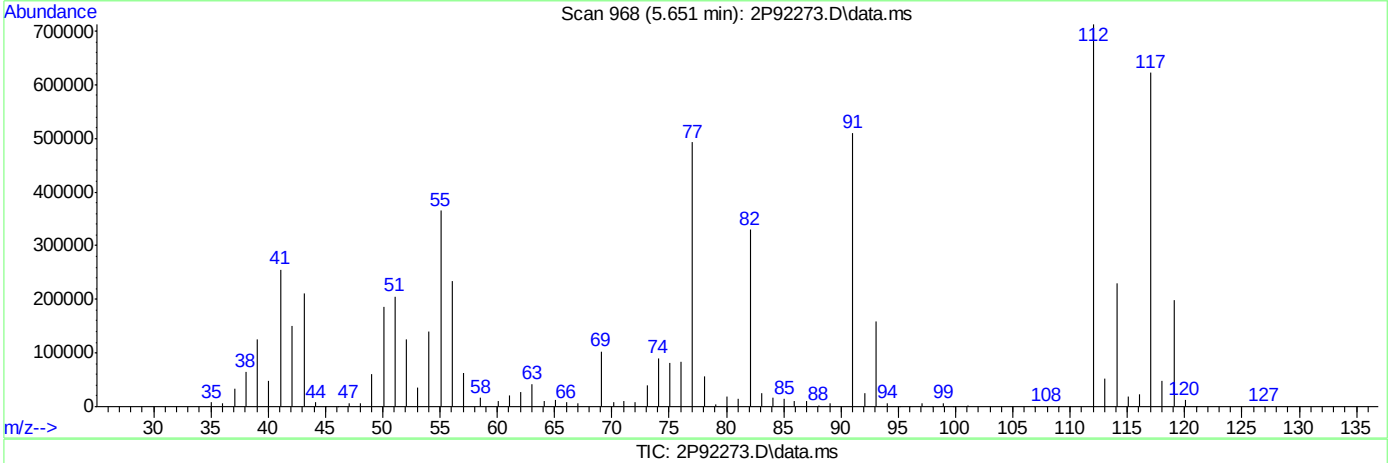
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	70.56#
41.00	83.00	48.82#
43.10	65.60	40.84#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92273.D
Acq On : 24 Aug 2022 12:31 pm
Operator : courtnef
Sample : IC3560-6
Misc : MS52204,V2P3560,,,,,
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Aug 24 12:42:19 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92273.D\data.ms

(76) 1-Chlorohexane

5.651min (-0.001) 76.40ug/L m

response 574578

Ion	Exp%	Act%
91.00	100	100
55.00	103.70	71.59#
41.00	83.00	49.96#
43.10	65.60	41.20#

2P92275.D

Manual Integrations APPROVED (compounds with "m" flag)

Karen Watson 08/25/22 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.721	96	1448604	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.645	117	1030693	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.334	152	456458	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.266	113	316577	48.36	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.72%				
49) 1,2-Dichloroethane-d4	3.554	65	423799	41.54	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 83.08%				
63) Toluene-d8	4.652	98	1416932	51.57	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 103.14%				
86) 4-Bromofluorobenzene	6.497	174	362690	47.80	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.123	85	403369	74.24	ug/L		96
3) Chloromethane	1.259	50	464809	57.62	ug/L		97
4) 1,3-butadiene	1.316	39	428849	58.83	ug/L		88
5) Vinyl Chloride	1.306	62	578889	79.95	ug/L		99
6) Bromomethane	1.510	94	289893	102.25	ug/L		98
7) Chloroethane	1.583	64	157131	62.90	ug/L		97
8) Trichlorofluoromethane	1.667	101	289930	44.82	ug/L		96
9) Ethyl Ether	1.881	59	487397	72.20	ug/L		77
10) Ethanol	1.996	45	234484	973.37	ug/L		91
11) 1,2-Dichlorotrifluoroe...	1.975	67	524281	89.03	ug/L		89
12) 1,1-Dichloroethene	1.975	61	783609	83.31	ug/L		88
13) Freon 113	2.006	101	487596	100.42	ug/L		97
14) Carbon Disulfide	1.991	76	1427913	97.12	ug/L		89
15) Iodomethane	2.059	142	363343	53.59	ug/L		94
16) Acrolein	2.158	56	991894	403.00	ug/L		99
17) Allyl chloride	2.247	41	582060	68.37	ug/L		92
18) Methylene Chloride	2.299	49	638185	55.95	ug/L		76
19) Acetone	2.325	43	1566267	317.71	ug/L		90
20) Methyl acetate	2.399	43	3497839	305.46	ug/L		88
21) trans-1,2-Dichloroethene	2.399	61	785353	81.83	ug/L		84
22) Hexane	2.467	56	418082	84.01	ug/L	#	83
23) Methyl Tert Butyl Ether	2.477	73	1750100	98.47	ug/L	#	56
24) Tert Butyl Alcohol	2.524	59	1960321	734.25	ug/L		81
25) Acetonitrile	2.561	41	1476501	1071.79	ug/L		97
26) Di-isopropyl ether	2.691	45	1612917	68.11	ug/L		92
27) Chloroprene	2.733	53	2133138	56.98	ug/L		92
28) 1,1-Dichloroethane	2.728	63	1002856	84.09	ug/L		96
29) Acrylonitrile	2.733	52	1659961	342.58	ug/L		80
30) ETBE	2.885	59	1914010	83.73	ug/L		91
31) Vinyl acetate	2.864	43	6405963	372.95	ug/L		98
32) cis-1,2-Dichloroethene	3.021	96	587168	101.97	ug/L		88
33) 2,2-Dichloropropane	3.083	77	855049	93.26	ug/L		99
34) Bromochloromethane	3.130	128	251747	97.97	ug/L	#	63
35) Cyclohexane	3.162	56	1001171	81.71	ug/L	#	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.167	83	1022546	97.13	ug/L		94
37) Ethyl acetate	3.230	43	4648141	334.80	ug/L		93
38) Tetrahydrofuran	3.261	42	347454	59.73	ug/L		90
40) Carbon Tetrachloride	3.266	117	688315m	116.30	ug/L		
41) 1,1,1-Trichloroethane	3.298	97	903166	107.24	ug/L		92
42) 2-Butanone	3.319	43	2737606	319.53	ug/L		82
43) 1,1-Dichloropropene	3.366	75	775619	98.37	ug/L		81
44) tert-Butyl formate	3.413	59	2463630	441.32	ug/L		90
45) Propionitrile	3.470	54	1863638	698.74	ug/L		93
46) Methacrylonitrile	3.491	41	4992432	600.10	ug/L		93
47) Benzene	3.496	78	2410543	98.90	ug/L		86
48) TAME	3.570	73	1770465	102.97	ug/L		76
50) Isobutyl alcohol	3.601	43	1778010m	1147.90	ug/L		
51) 1,2-Dichloroethane	3.591	62	835675	80.60	ug/L		93
52) Tert Amyl Alcohol	3.659	59	1695550	842.81	ug/L		85
53) Trichloroethene	3.826	95	614815	103.09	ug/L		95
54) Methylcyclohexane	3.847	83	910970	109.01	ug/L	#	80
55) Dibromomethane	4.051	93	341144	101.76	ug/L		93
56) 1,2-Dichloropropane	4.108	63	594664	88.48	ug/L		89
57) Bromodichloromethane	4.145	83	707970	96.33	ug/L		95
58) Methyl methacrylate	4.239	41	692154	66.81	ug/L	#	79
59) 1,4-Dioxane	4.265	88	308127	1669.18	ug/L		79
60) 2-Chloroethyl vinyl ether	4.479	63	2513613	427.56	ug/L		80
61) cis-1,3-Dichloropropene	4.521	75	894613	93.54	ug/L		78
64) Toluene	4.683	91	2598286	107.80	ug/L		98
65) 2-Nitropropane	4.777	41	1254422	340.12	ug/L		96
66) 4-Methyl-2-pentanone	4.892	43	4677949	360.73	ug/L		90
67) trans-1,3-Dichloropropene	4.918	75	811103	97.78	ug/L		83
68) Tetrachloroethene	4.939	166	550983	94.24	ug/L		92
69) Ethyl methacrylate	5.033	69	974966	113.66	ug/L	#	72
70) 1,1,2-Trichloroethane	5.023	83	438235	103.06	ug/L		84
71) Dibromochloromethane	5.143	129	523793	106.67	ug/L		95
72) 1,3-Dichloropropane	5.196	76	975960	101.52	ug/L		79
73) 1,2-Dibromoethane	5.295	107	554857	109.36	ug/L		99
74) 3,3-dimethyl-1-butanol	5.426	57	10279666	3633.04	ug/L	#	85
75) 2-hexanone	5.436	43	4950878	314.99	ug/L	#	44
76) 1-Chlorohexane	5.656	91	852517m	110.16	ug/L		
77) Ethylbenzene	5.687	91	2890719	109.61	ug/L		96
78) Chlorobenzene	5.656	112	1561418	109.85	ug/L		92
79) 1,1,1,2-Tetrachloroethane	5.697	131	523351	110.08	ug/L		96
80) m,p-Xylene	5.786	91	4637003	222.49	ug/L		99
81) o-Xylene	6.079	91	2290163	111.83	ug/L		98
82) Styrene	6.110	104	1813515	117.93	ug/L		95
83) Bromoform	6.121	173	302716	96.26	ug/L		98
84) Isopropylbenzene	6.309	105	2696969	114.43	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.529	53	323231	85.03	ug/L	#	67
88) n-Propylbenzene	6.612	91	3191996	124.56	ug/L		99
89) Bromobenzene	6.571	156	614502	116.23	ug/L		94
90) 1,1,2,2-Tetrachloroethane	6.633	83	815986	116.68	ug/L		95
91) 1,3,5-Trimethylbenzene	6.759	105	2231418	124.78	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration

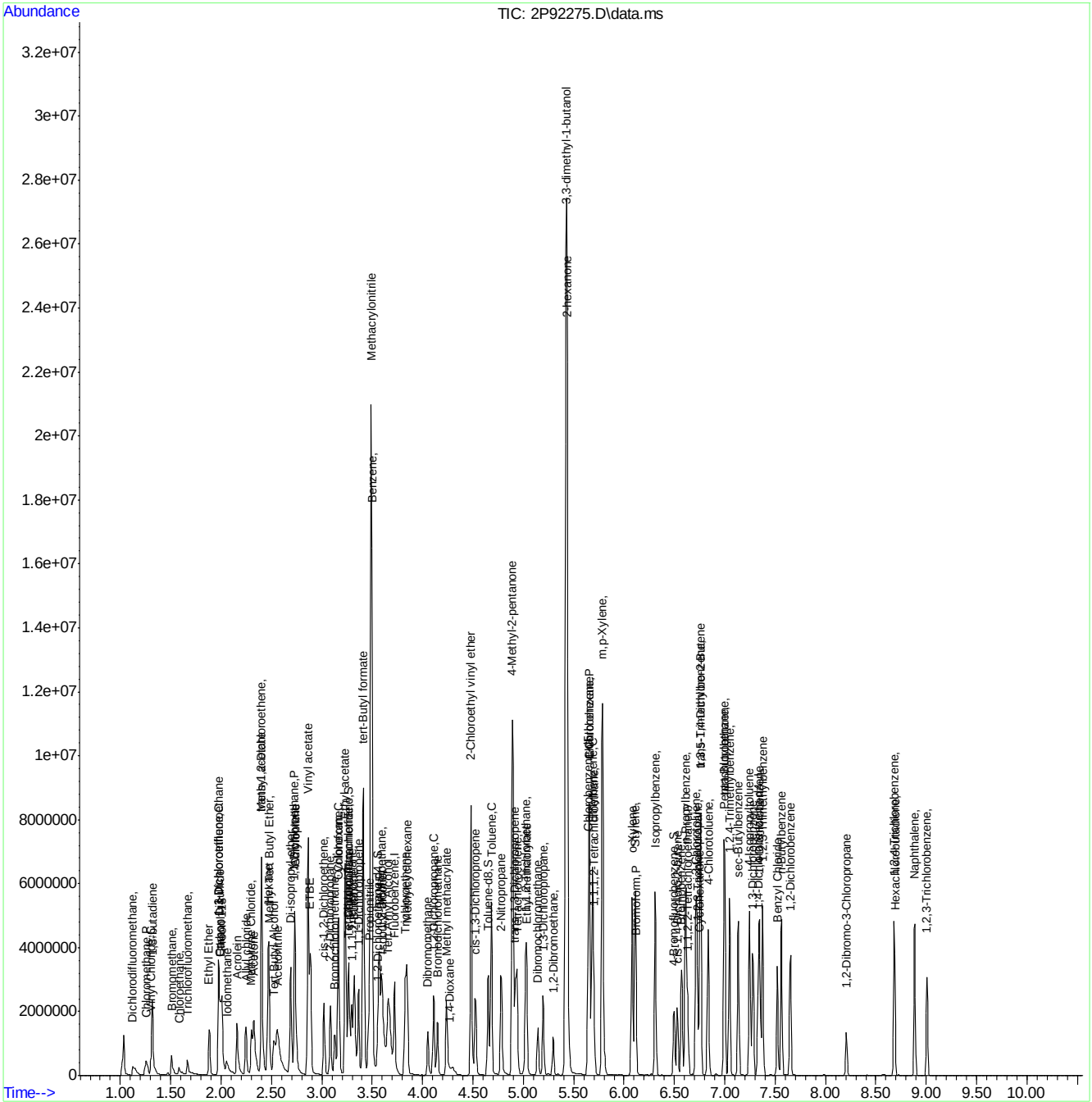
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.712	91	1892504	121.68	ug/L		100
93)	trans-1,4-Dichloro-2-B...	6.759	53	369178	81.16	ug/L	#	63
94)	1,2,3-Trichloropropane	6.727	110	296210	114.13	ug/L	#	79
95)	Cyclohexanone	6.748	55	288162	430.56	ug/L		87
96)	4-Chlorotoluene	6.837	91	1978875	121.64	ug/L		93
97)	tert-Butylbenzene	6.994	91	1246847	126.34	ug/L		90
99)	1,2,4-Trimethylbenzene	7.046	105	2155567	124.02	ug/L		99
100)	Pentachloroethane	6.999	167	301098	100.99	ug/L		97
101)	sec-Butylbenzene	7.135	105	2391039	125.36	ug/L		98
102)	4-Isopropyltoluene	7.245	119	2141309	131.52	ug/L		97
103)	1,3-Dichlorobenzene	7.276	146	1099976	114.79	ug/L		98
104)	1,2,3-Trimethylbenzene	7.376	105	2134898	122.50	ug/L		98
105)	1,4-Dichlorobenzene	7.344	146	1126792	110.09	ug/L		98
106)	n-Butylbenzene	7.564	92	1037609	126.17	ug/L		98
107)	Benzyl Chloride	7.522	126	325644	112.38	ug/L		93
108)	1,2-Dichlorobenzene	7.653	146	1027230	110.35	ug/L		97
109)	1,2-Dibromo-3-Chloropr...	8.207	75	215439	105.53	ug/L	#	70
110)	Hexachlorobutadiene	8.688	225	203747	97.41	ug/L		95
111)	1,2,4-Trichlorobenzene	8.683	180	571214	110.76	ug/L		94
112)	Naphthalene	8.886	128	2395122	135.32	ug/L		99
113)	1,2,3-Trichlorobenzene	9.007	180	523527	107.54	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

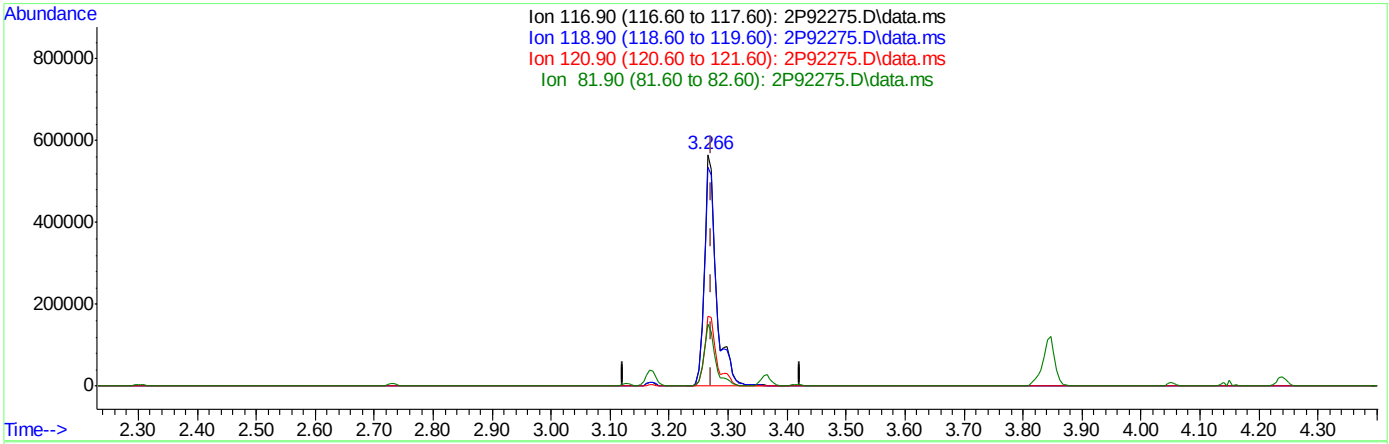
Sample Number: V2P3560-IC3560 **Method:** SW846 8260D
Lab FileID: 2P92275.D **Analyst approved:** 08/24/22 13:21 Courtney Failla
Injection Time: 08/24/22 13:04 **Supervisor approved:** 08/25/22 11:34 Karen Watson

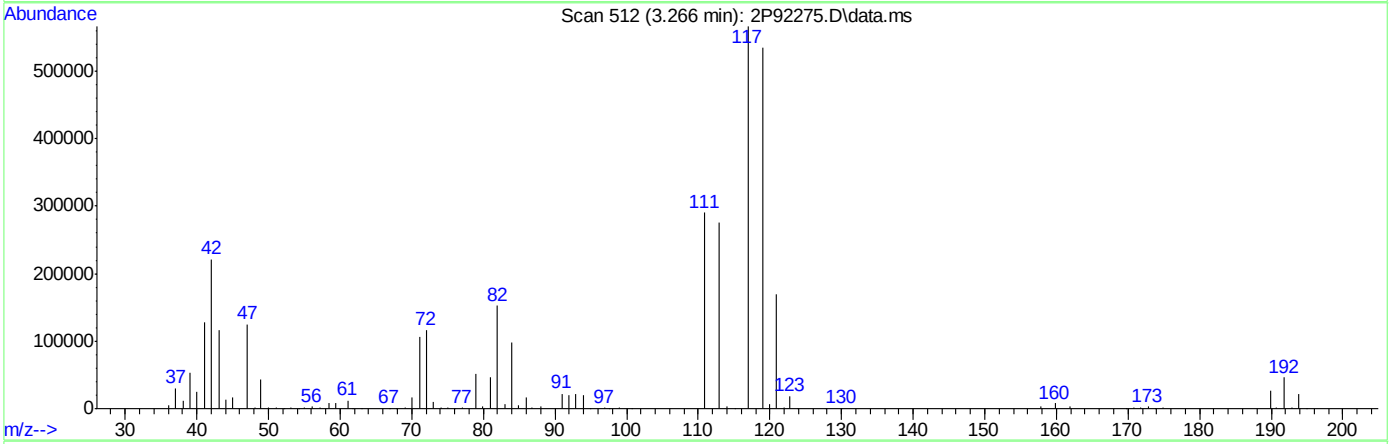
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.60	Poor instrument integration
1-Chlorohexane	544-10-5		5.66	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:14:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92275.D\data.ms

(40) Carbon Tetrachloride ( )

3.266min (-0.005) 135.06ug/L

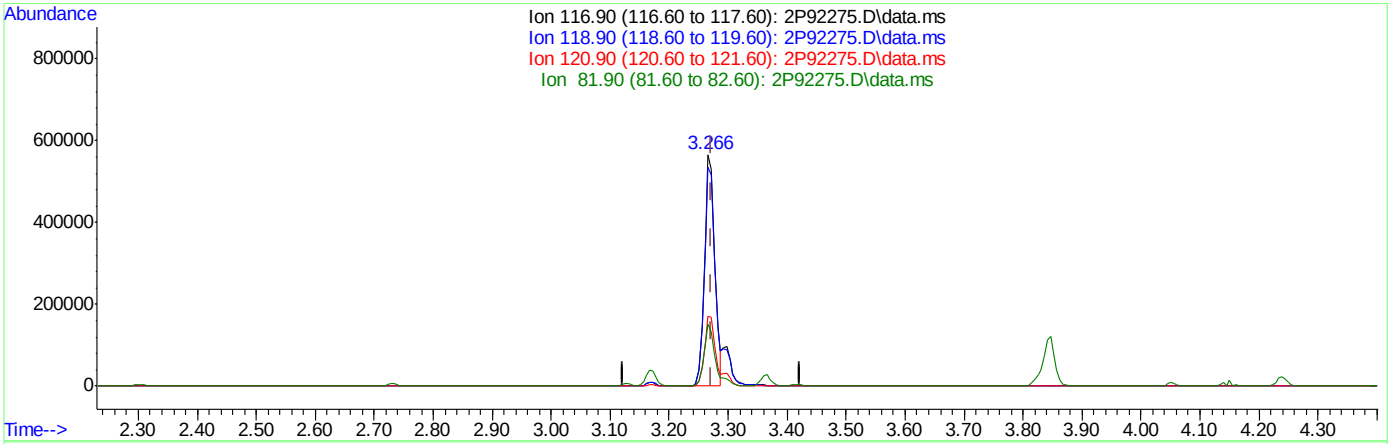
response 799364

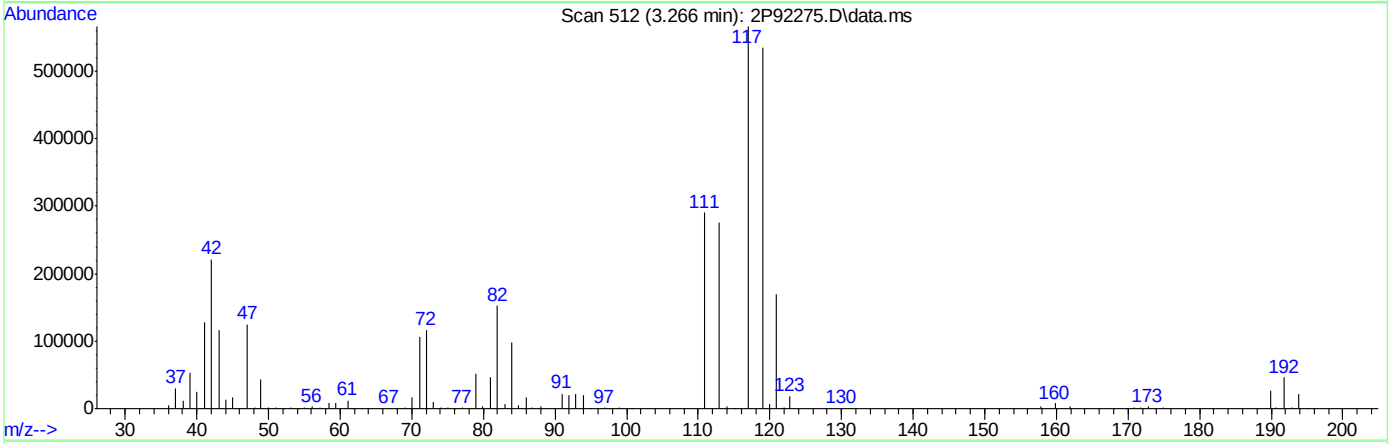
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	94.38
120.90	30.80	30.01
81.90	30.00	26.86

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:14:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92275.D\data.ms

(40) Carbon Tetrachloride ( )

3.266min (-0.005) 116.30ug/L m

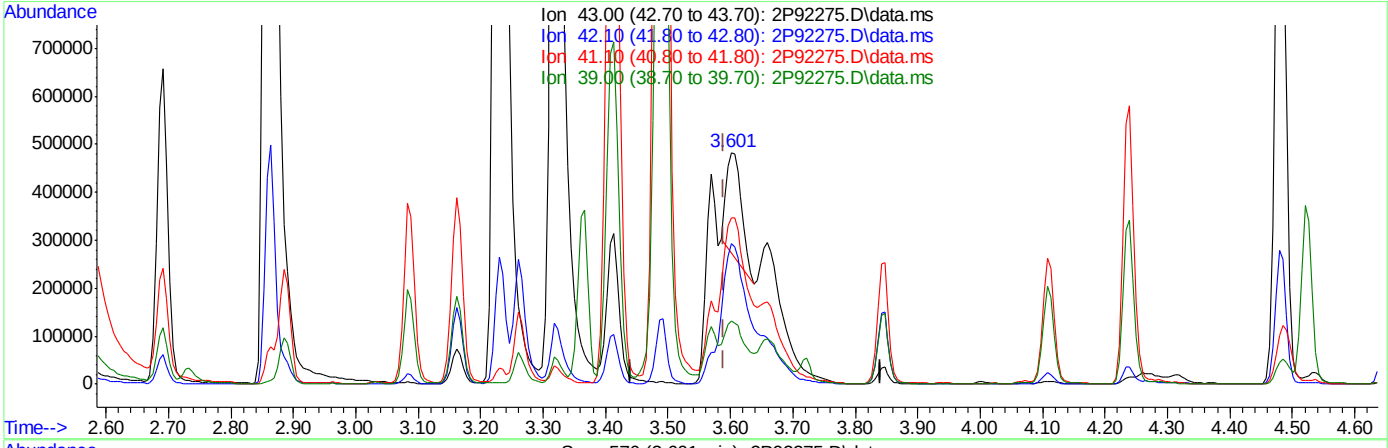
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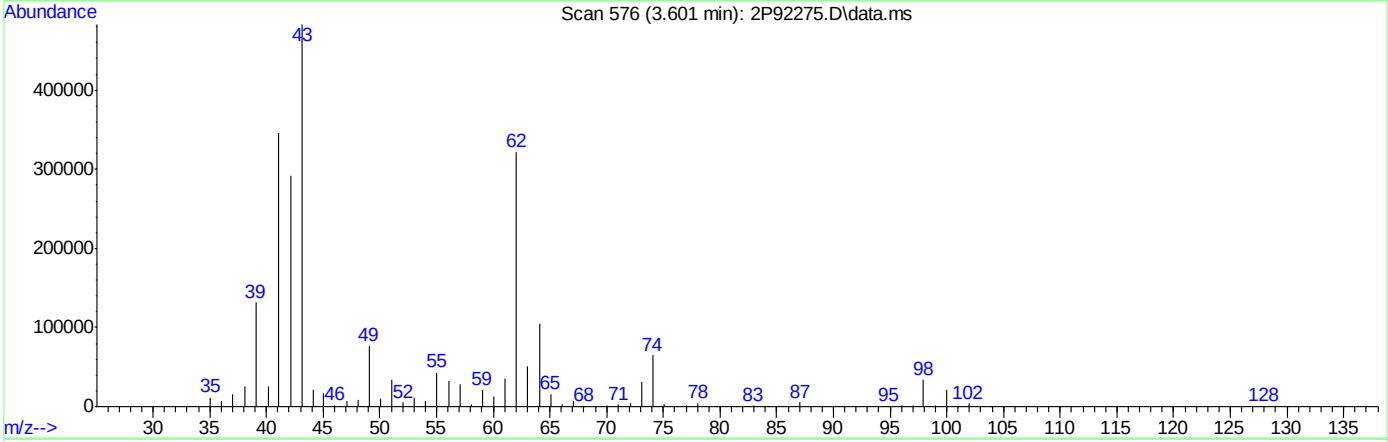
Ion	Exp%	Act%
116.90	100	100
118.90	96.30	94.38
120.90	30.80	30.01
81.90	30.00	26.93

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:14:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92275.D\data.ms

(50) Isobutyl alcohol

3.601min (+0.010) 229.58ug/L

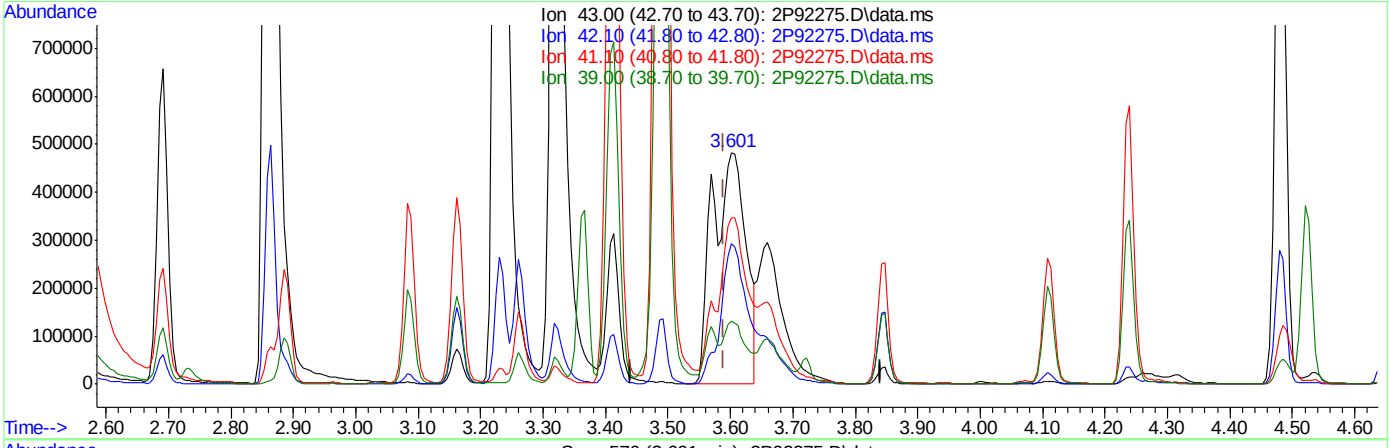
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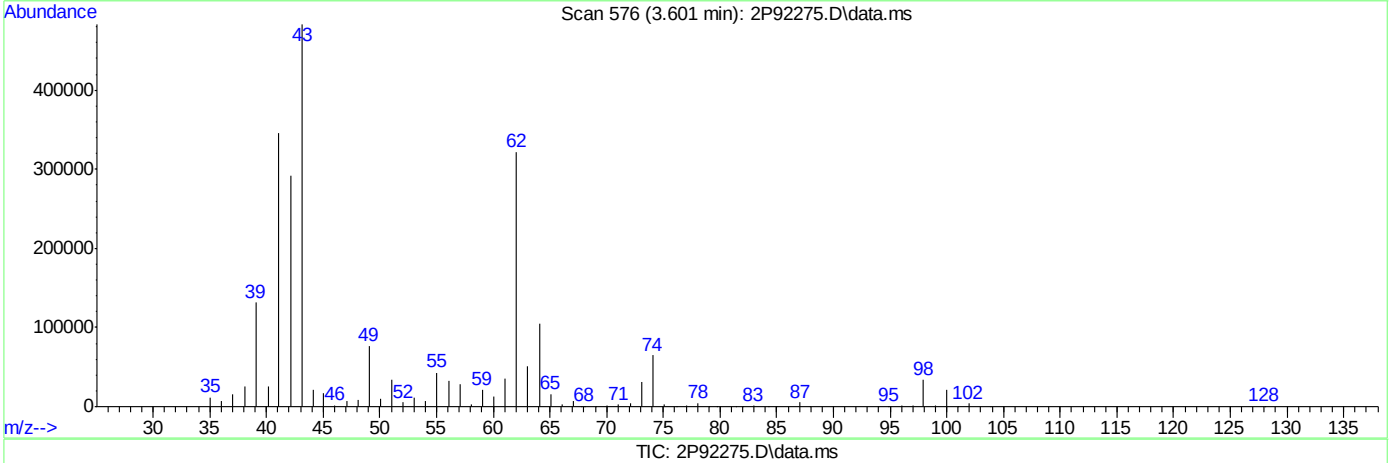
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	64.21
41.10	72.70	66.08
39.00	28.00	24.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:14:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92275.D\data.ms

(50) Isobutyl alcohol

3.601min (+0.010) 1147.90ug/L m

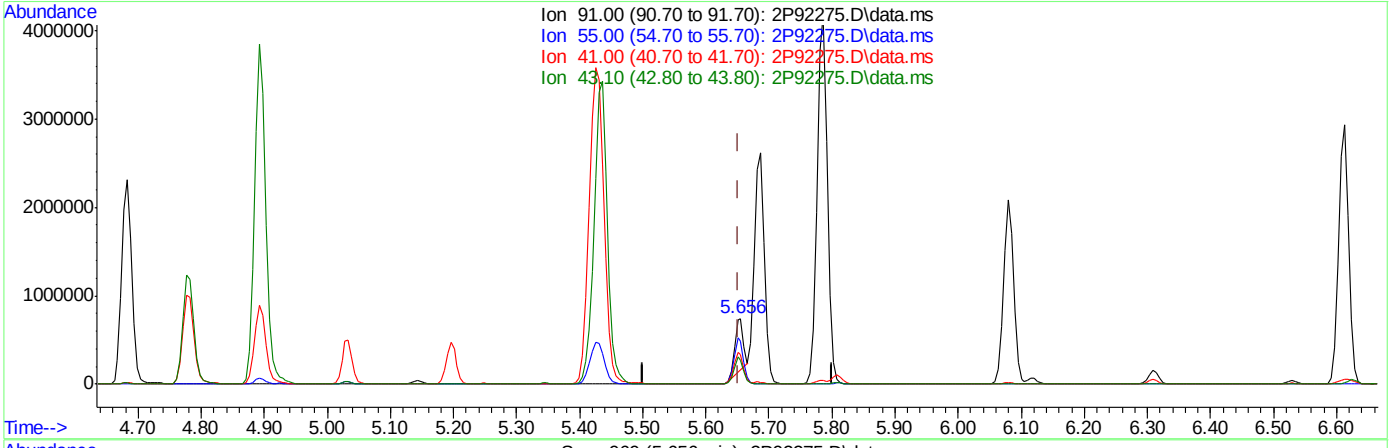
response 1778010

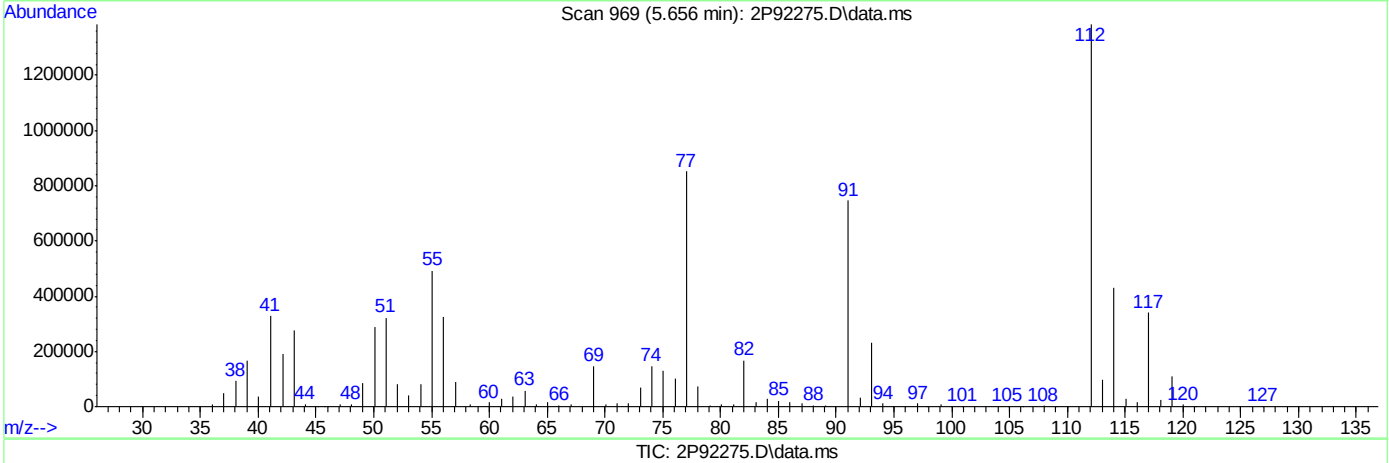
Ion	Exp%	Act%
43.00	100	100
42.10	59.70	60.47
41.10	72.70	71.64
39.00	28.00	27.18

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:14:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92275.D\data.ms

(76) 1-Chlorohexane

5.656min (+0.004) 78.56ug/L

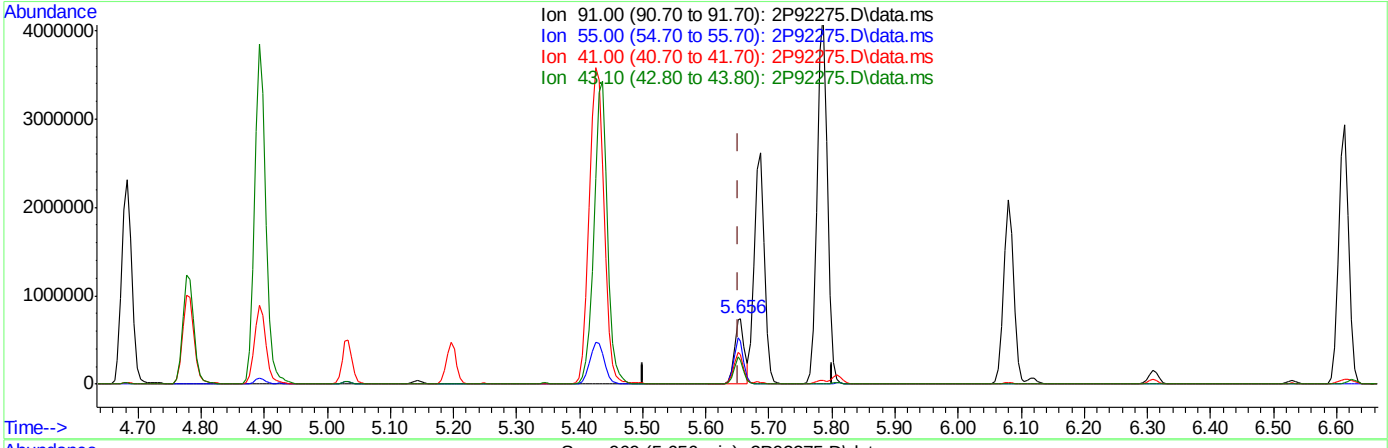
response 607981

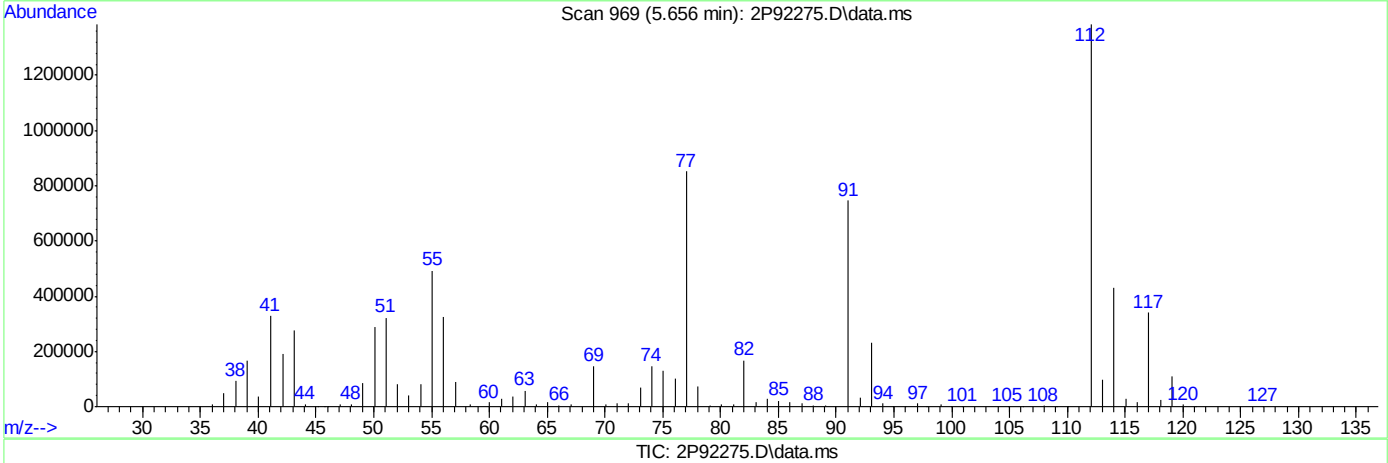
Ion	Exp%	Act%
91.00	100	100
55.00	103.70	64.37#
41.00	83.00	42.39#
43.10	65.60	35.78#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92275.D
Acq On : 24 Aug 2022 1:04 pm
Operator : courtnef
Sample : IC3560-7
Misc : MS52204,V2P3560,,,,,
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Aug 24 13:14:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Aug 04 14:35:36 2022
Response via : Initial Calibration





TIC: 2P92275.D\data.ms

(76) 1-Chlorohexane

5.656min (+0.004) 110.16ug/L m

response 852517

Ion	Exp%	Act%
91.00	100	100
55.00	103.70	66.08#
41.00	83.00	44.08#
43.10	65.60	36.96#

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 11:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:18:05 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1393141	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.643	117	987081	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.332	152	446303	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.265	113	302671	51.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.24%			
49) 1,2-Dichloroethane-d4	3.552	65	425650	51.76	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.52%			
63) Toluene-d8	4.650	98	1358611	50.02	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.04%			
86) 4-Bromofluorobenzene	6.496	174	348971	50.13	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.26%			
Target Compounds						Qvalue
3) Chloromethane	1.252	50	153007	36.01	ug/L	97
4) 1,3-butadiene	1.320	39	147719	37.41	ug/L	96
5) Vinyl Chloride	1.304	62	188259	36.35	ug/L	98
6) Bromomethane	1.508	94	108687	33.91	ug/L	98
7) Chloroethane	1.581	64	58476	34.86	ug/L	97
8) Trichlorofluoromethane	1.670	101	195785	36.72	ug/L	99
9) Ethyl Ether	1.879	59	185108	38.19	ug/L	98
10) Ethanol	1.979	45	98674	698.39	ug/L	98
11) 1,2-Dichlorotrifluoroe...	1.979	67	194448	42.88	ug/L	97
12) 1,1-Dichloroethene	1.979	61	268516	40.55	ug/L	97
13) Freon 113	2.015	101	155540	36.93	ug/L	97
14) Carbon Disulfide	2.000	76	383036	34.35	ug/L	97
16) Acrolein	2.156	56	299581	169.00	ug/L	99
17) Allyl chloride	2.245	41	220442	46.28	ug/L	97
18) Methylene Chloride	2.303	49	230001	32.47	ug/L	100
19) Acetone	2.318	43	637443	200.83	ug/L	97
20) Methyl acetate	2.397	43	1272345	196.29	ug/L	100
21) trans-1,2-Dichloroethene	2.402	61	265616	39.59	ug/L	98
22) Hexane	2.470	56	141138	41.52	ug/L	92
23) Methyl Tert Butyl Ether	2.475	73	709564	46.41	ug/L	75
24) Tert Butyl Alcohol	2.512	59	687470	363.53	ug/L	98
25) Acetonitrile	2.554	41	344037	320.72	ug/L	99
26) Di-isopropyl ether	2.690	45	567187	39.95	ug/L	99
27) Chloroprene	2.731	53	1026922	50.78	ug/L	93
28) 1,1-Dichloroethane	2.731	63	360738	40.89	ug/L	100
29) Acrylonitrile	2.731	52	670568	209.71	ug/L	83
30) ETBE	2.883	59	612179	36.80	ug/L	97
31) Vinyl acetate	2.862	43	2320171	202.80	ug/L	100
32) cis-1,2-Dichloroethene	3.024	96	203500	38.68	ug/L	98
33) 2,2-Dichloropropane	3.087	77	260497	37.19	ug/L	98
34) Bromochloromethane	3.129	128	87073	36.61	ug/L	97
35) Cyclohexane	3.165	56	310530	37.16	ug/L	99
36) Chloroform	3.171	83	345092	38.98	ug/L	98
37) Ethyl acetate	3.228	43	1705507	197.09	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:18:05 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) Tetrahydrofuran	3.259	42	126514	38.29	ug/L	98
40) Carbon Tetrachloride	3.270	117	224473m	40.01	ug/L	
41) 1,1,1-Trichloroethane	3.296	97	297110	38.42	ug/L	99
42) 2-Butanone	3.317	43	1075112	199.87	ug/L	99
43) 1,1-Dichloropropene	3.364	75	255267	38.43	ug/L	98
44) tert-Butyl formate	3.411	59	672736	175.63	ug/L	99
45) Propionitrile	3.463	54	636097	373.49	ug/L	99
46) Methacrylonitrile	3.484	41	1759385	386.73	ug/L	99
47) Benzene	3.495	78	808049	38.11	ug/L	99
48) TAME	3.568	73	801478	53.00	ug/L	96
50) Isobutyl alcohol	3.589	43	742060m	851.71	ug/L	
51) 1,2-Dichloroethane	3.589	62	291680	38.43	ug/L	99
52) Tert Amyl Alcohol	3.652	59	561158	350.61	ug/L	98
53) Trichloroethene	3.824	95	205446	37.64	ug/L	93
54) Methylcyclohexane	3.845	83	285620	38.56	ug/L	99
55) Dibromomethane	4.054	93	112770	37.62	ug/L	90
56) 1,2-Dichloropropane	4.112	63	192709	37.41	ug/L	99
57) Bromodichloromethane	4.148	83	227821	39.63	ug/L	99
58) Methyl methacrylate	4.237	41	226759	38.54	ug/L	97
59) 1,4-Dioxane	4.263	88	127118	785.27	ug/L	95
60) 2-Chloroethyl vinyl ether	4.478	63	875983	204.42	ug/L	100
61) cis-1,3-Dichloropropene	4.525	75	290458	39.10	ug/L	98
64) Toluene	4.681	91	880532	37.78	ug/L	99
65) 2-Nitropropane	4.776	41	363441	191.13	ug/L	97
66) 4-Methyl-2-pentanone	4.891	43	1777459	197.71	ug/L	99
67) trans-1,3-Dichloropropene	4.922	75	281243	40.81	ug/L	84
68) Tetrachloroethene	4.938	166	189515	38.29	ug/L	98
69) Ethyl methacrylate	5.032	69	321629	38.36	ug/L	99
70) 1,1,2-Trichloroethane	5.021	83	151033	37.88	ug/L	98
71) Dibromochloromethane	5.142	129	158020	37.41	ug/L	96
72) 1,3-Dichloropropane	5.194	76	315917	35.65	ug/L	99
73) 1,2-Dibromoethane	5.293	107	192087	39.86	ug/L	91
74) 3,3-dimethyl-1-butanol	5.419	57	3829342	1907.86	ug/L	100
75) 2-hexanone	5.429	43	1976136	195.78	ug/L	90
76) 1-Chlorohexane	5.654	91	271934m	36.59	ug/L	
77) Ethylbenzene	5.685	91	968546	37.90	ug/L	100
78) Chlorobenzene	5.654	112	530424	38.01	ug/L	98
79) 1,1,1,2-Tetrachloroethane	5.696	131	171197	38.35	ug/L	98
80) m,p-Xylene	5.785	91	1535822	75.99	ug/L	99
81) o-Xylene	6.077	91	789768	39.70	ug/L	99
82) Styrene	6.109	104	605490	39.79	ug/L	98
83) Bromoform	6.119	173	88356	38.19	ug/L	99
84) Isopropylbenzene	6.307	105	899592	39.19	ug/L	99
87) cis-1,4-Dichloro-2-butene	6.527	53	98546	37.92	ug/L	94
88) n-Propylbenzene	6.611	91	1065654	38.92	ug/L	99
89) Bromobenzene	6.574	156	204252	36.89	ug/L	91
90) 1,1,2,2-Tetrachloroethane	6.632	83	290152	39.28	ug/L	98
91) 1,3,5-Trimethylbenzene	6.757	105	736217	38.62	ug/L	100
92) 2-Chlorotoluene	6.715	91	645623	39.07	ug/L	99
93) trans-1,4-Dichloro-2-B...	6.757	53	108937	34.41	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:18:05 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration

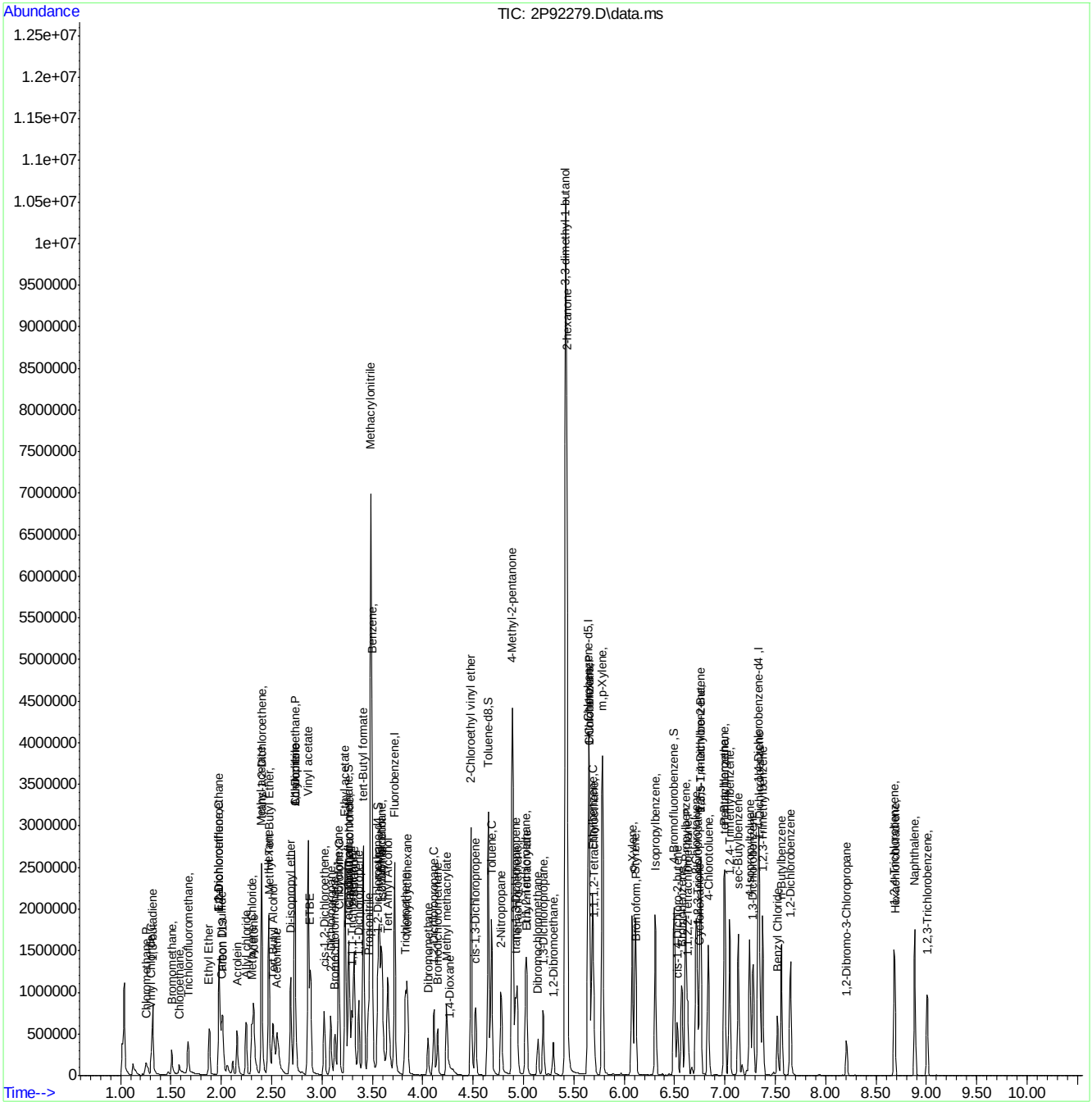
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	1,2,3-Trichloropropane	6.726	110	100012	36.30	ug/L	96
95)	Cyclohexanone	6.747	55	120517	208.91	ug/L	97
96)	4-Chlorotoluene	6.835	91	674992	38.75	ug/L	100
97)	tert-Butylbenzene	6.992	91	411422	39.30	ug/L	97
99)	1,2,4-Trimethylbenzene	7.045	105	731537	39.34	ug/L	99
100)	Pentachloroethane	6.997	167	100173	41.24	ug/L	96
101)	sec-Butylbenzene	7.133	105	829710	40.93	ug/L	99
102)	4-Isopropyltoluene	7.248	119	738675	40.15	ug/L	99
103)	1,3-Dichlorobenzene	7.280	146	389064	39.12	ug/L	98
104)	1,2,3-Trimethylbenzene	7.374	105	753617	40.40	ug/L	100
105)	1,4-Dichlorobenzene	7.343	146	395450	38.05	ug/L	97
106)	n-Butylbenzene	7.562	92	327645	36.65	ug/L	97
107)	Benzyl Chloride	7.520	126	65808	29.88	ug/L	93
108)	1,2-Dichlorobenzene	7.651	146	360833	38.65	ug/L	99
109)	1,2-Dibromo-3-Chloropr...	8.205	75	63487	36.46	ug/L	98
110)	Hexachlorobutadiene	8.686	225	65921	38.08	ug/L	97
111)	1,2,4-Trichlorobenzene	8.681	180	191794	38.62	ug/L	97
112)	Naphthalene	8.885	128	826973	39.13	ug/L	99
113)	1,2,3-Trichlorobenzene	9.010	180	177347	38.05	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:18:05 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration



Manual Integration Approval Summary

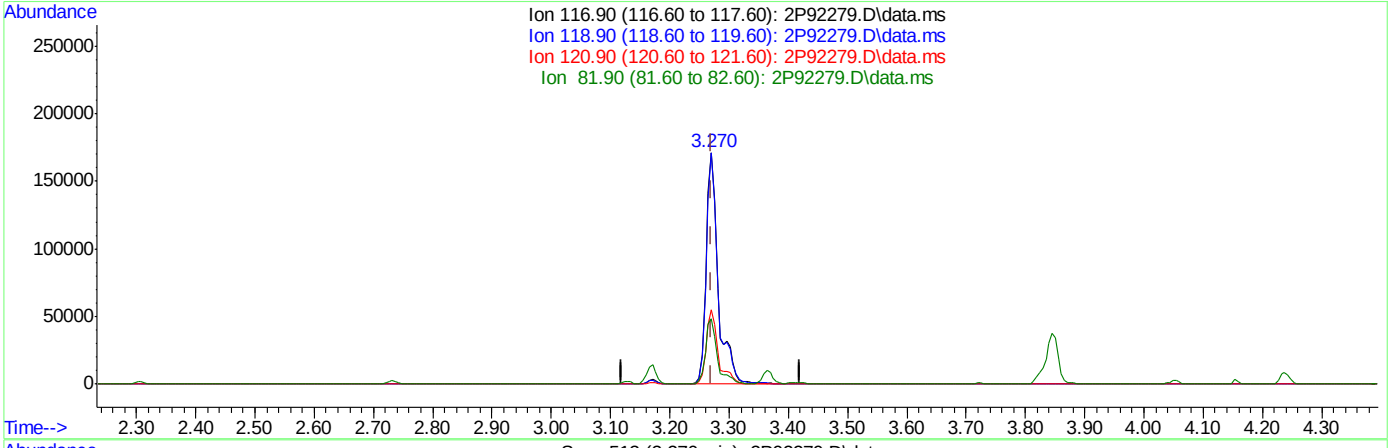
Sample Number: V2P3560-ICV3560 **Method:** SW846 8260D
Lab FileID: 2P92279.D **Analyst approved:** 08/24/22 15:20 Courtney Failla
Injection Time: 08/24/22 14:09 **Supervisor approved:** 08/25/22 11:34 Karen Watson

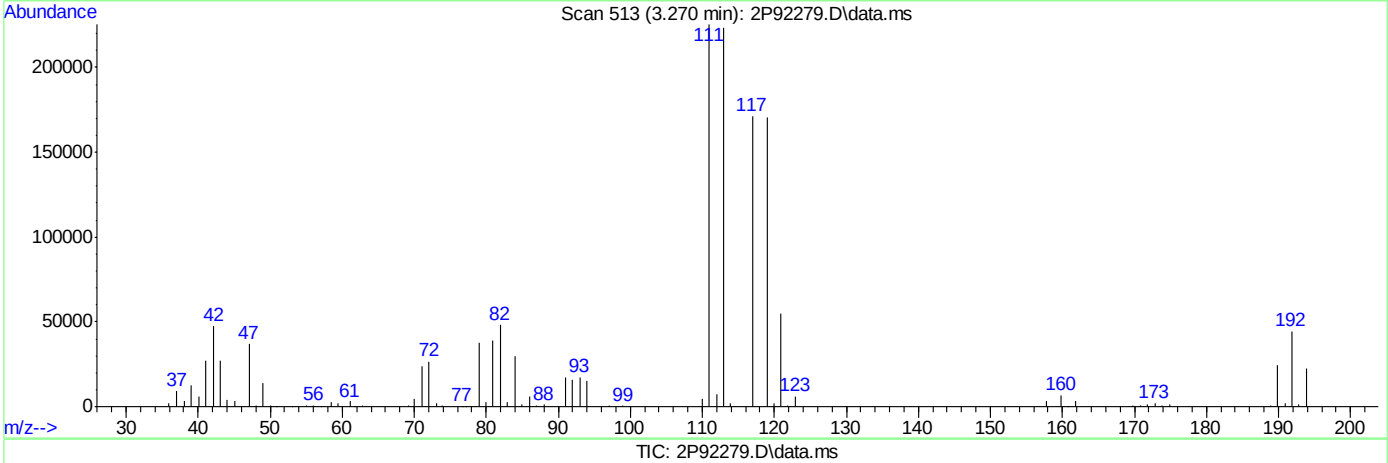
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration





TIC: 2P92279.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (-0.000) 43.45ug/L

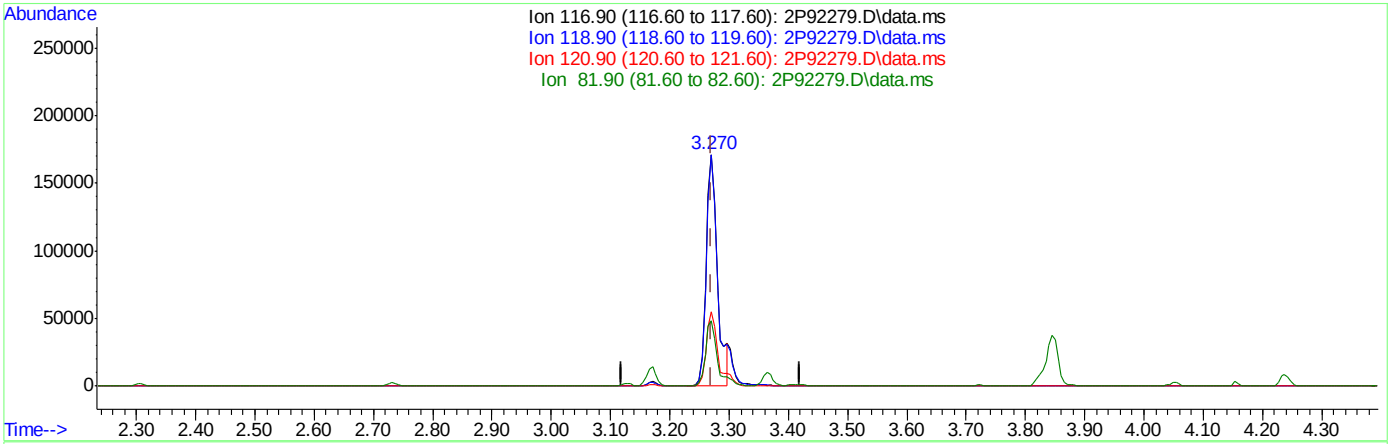
response 246422

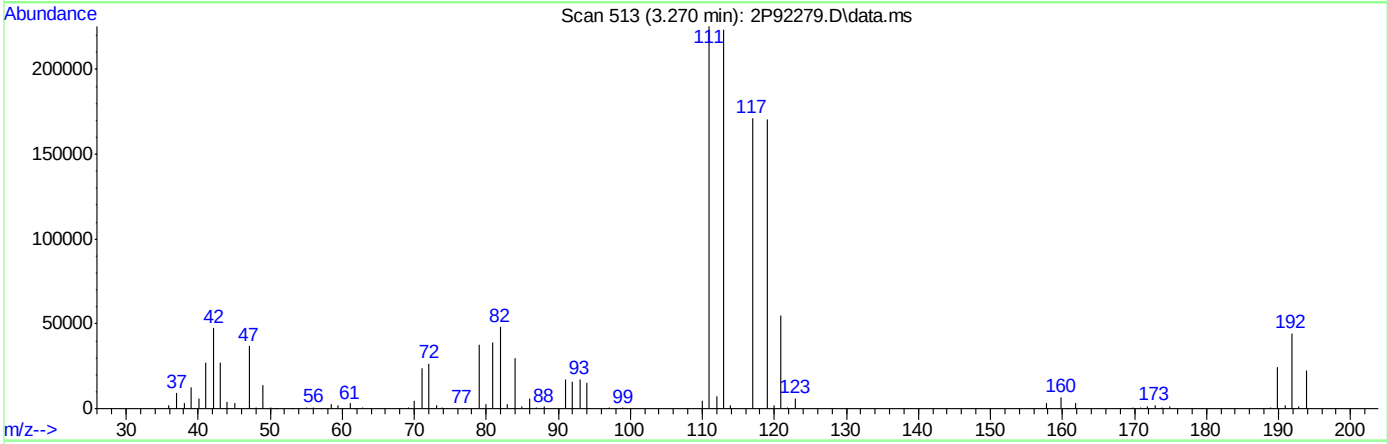
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.63
120.90	29.50	32.05
81.90	28.30	27.98

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration





TIC: 2P92279.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (-0.000) 40.01ug/L m

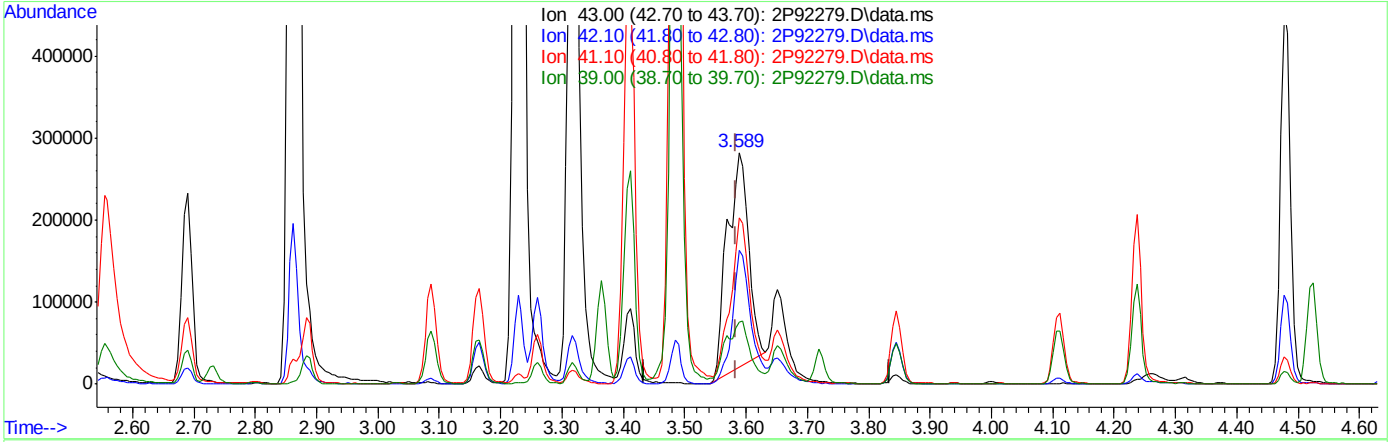
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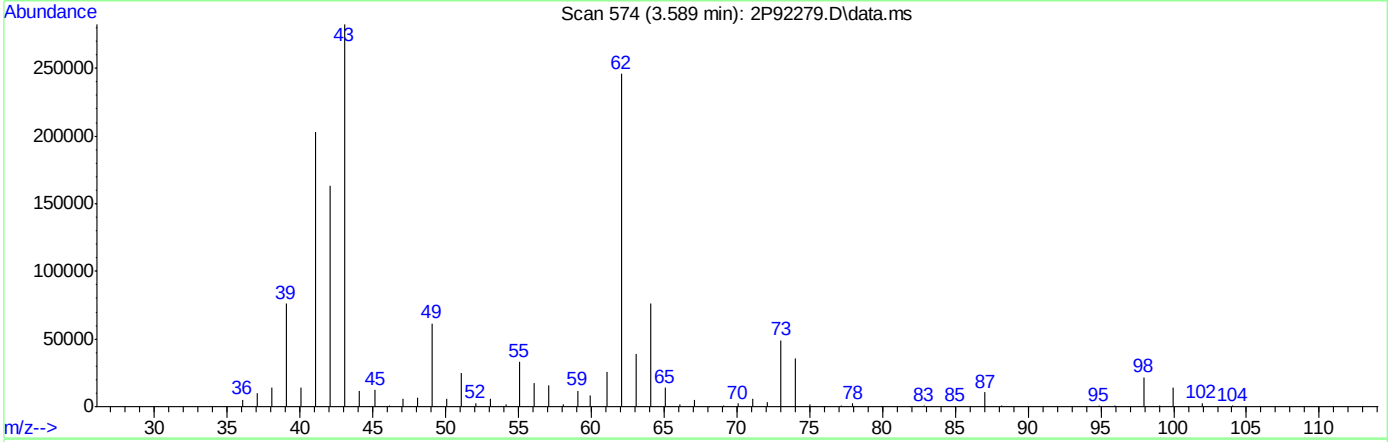
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.63
120.90	29.50	32.05
81.90	28.30	28.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration





TIC: 2P92279.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 732.74ug/L

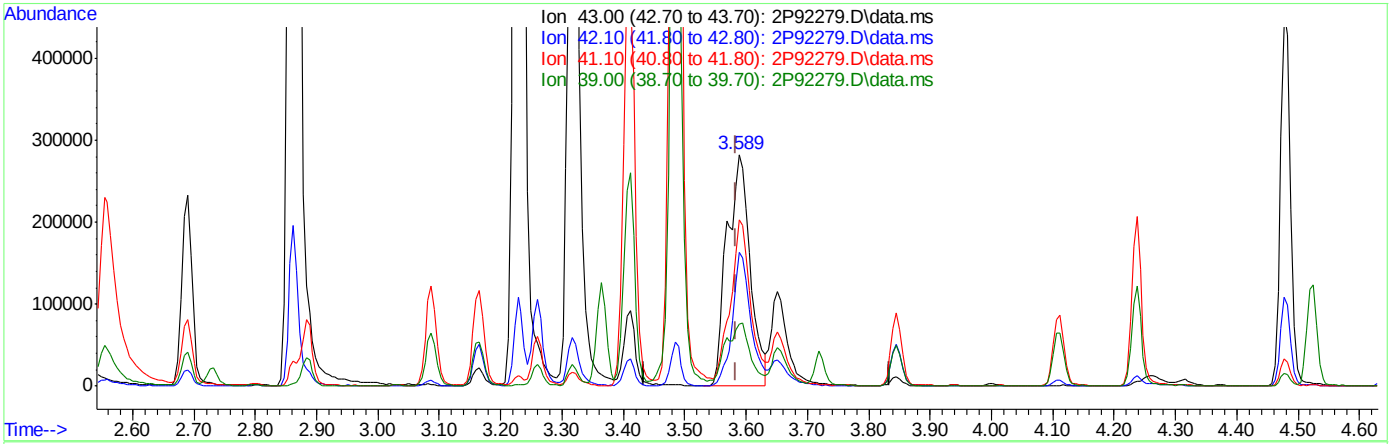
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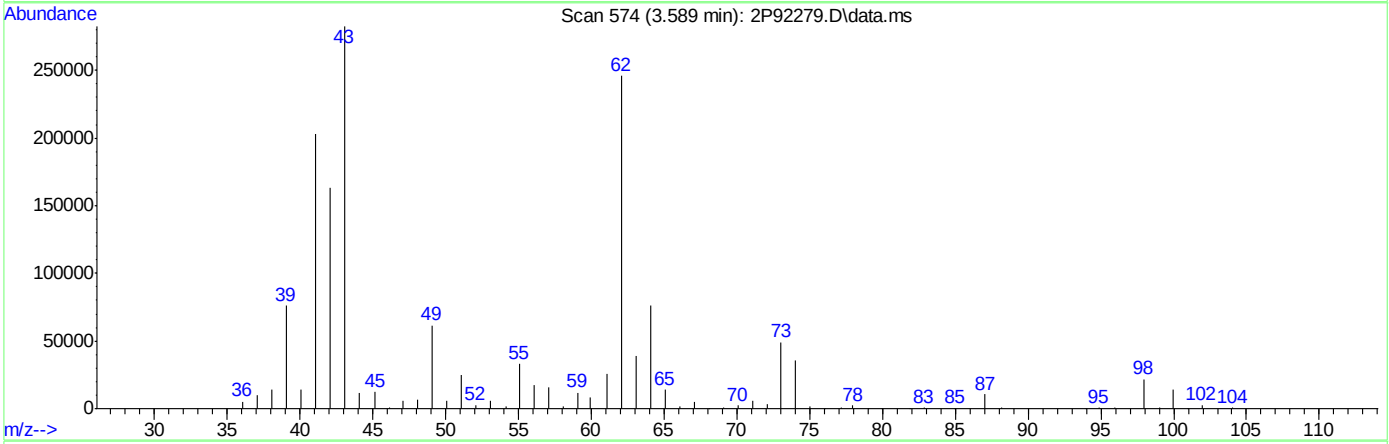
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.73
41.10	70.00	68.58
39.00	27.50	24.47

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration





TIC: 2P92279.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 851.71ug/L m

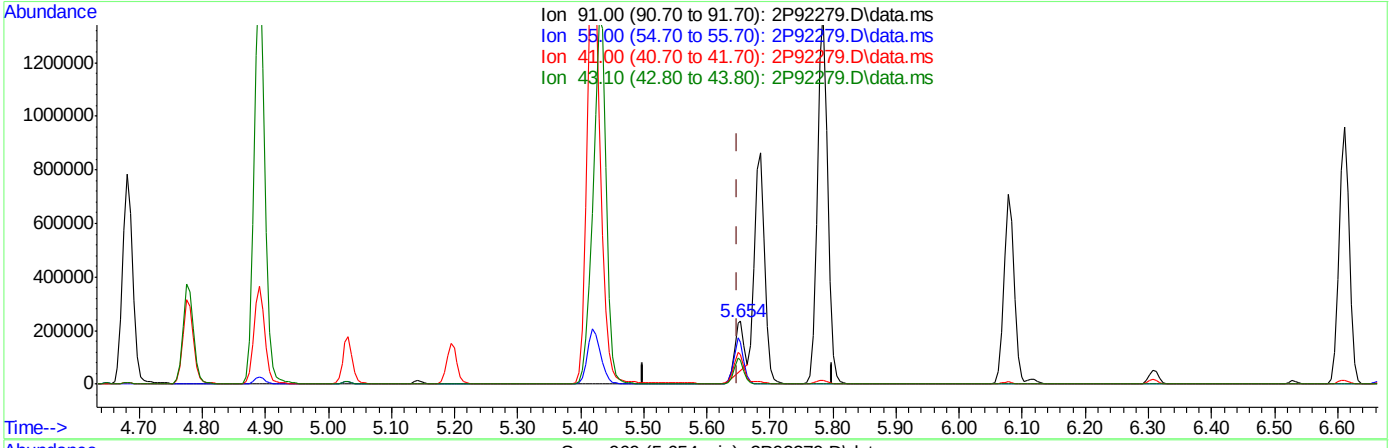
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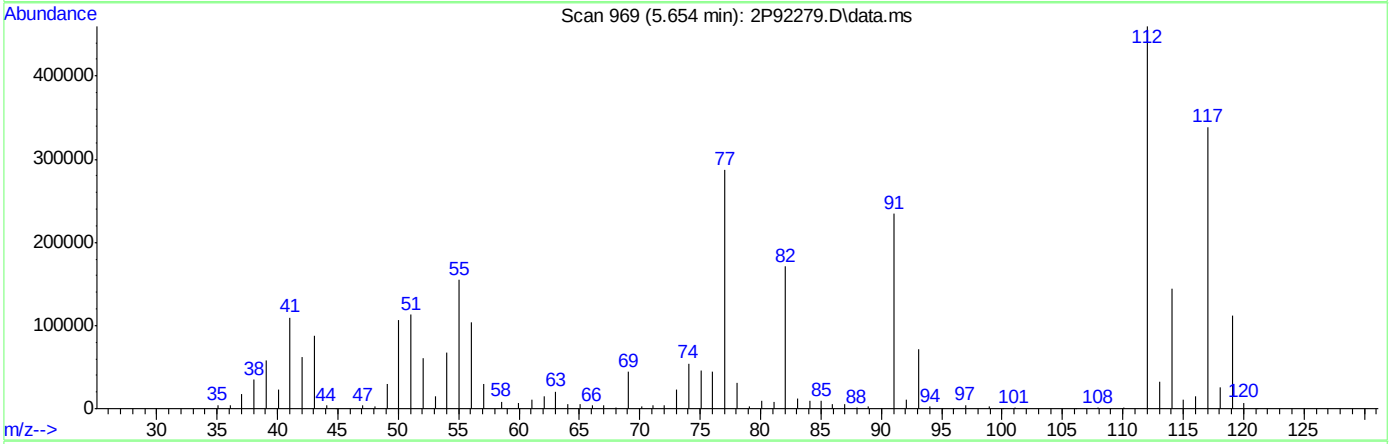
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.75
41.10	70.00	71.88
39.00	27.50	26.89

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration





TIC: 2P92279.D\data.ms

(76) 1-Chlorohexane

5.654min (+0.005) 26.16ug/L

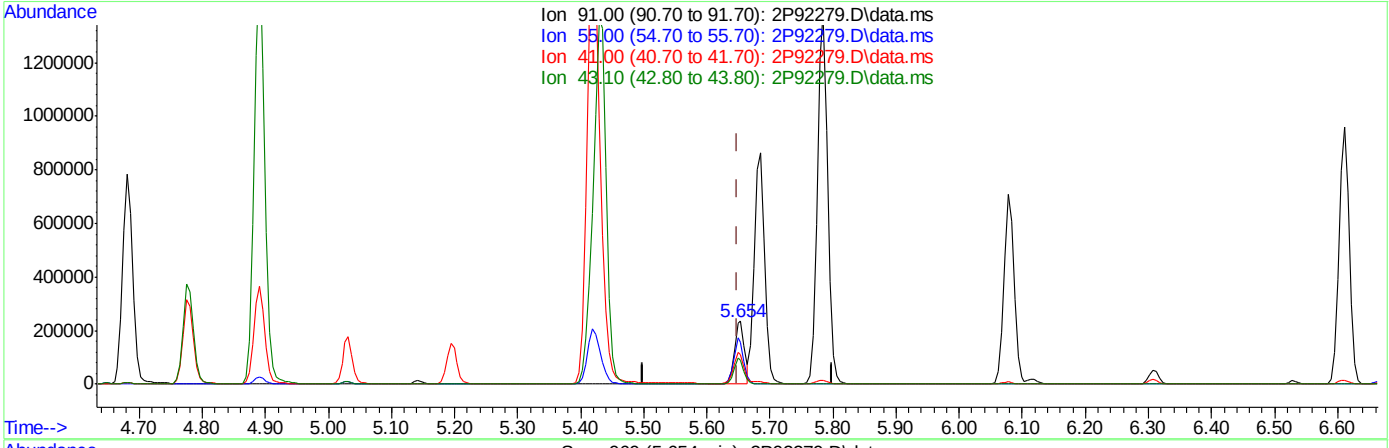
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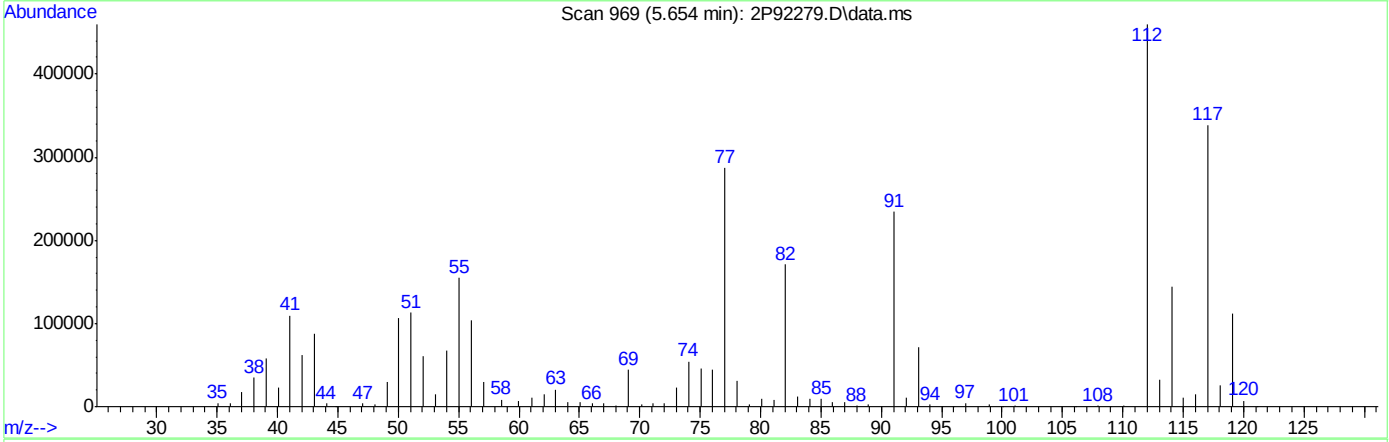
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	62.64
41.00	53.40	44.49
43.10	41.30	35.83

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92279.D
Acq On : 24 Aug 2022 2:09 pm
Operator : courtnef
Sample : ICV3560-5
Misc : MS52204,V2P3560,,,,,
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 24 15:15:22 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration





TIC: 2P92279.D\data.ms

(76) 1-Chlorohexane

5.654min (+0.005) 36.59ug/L m

response 271934

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	66.03
41.00	53.40	46.92
43.10	41.30	37.42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92281.D
Acq On : 24 Aug 2022 2:41 pm
Operator : courtnef
Sample : ICV3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 24 15:19:03 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration

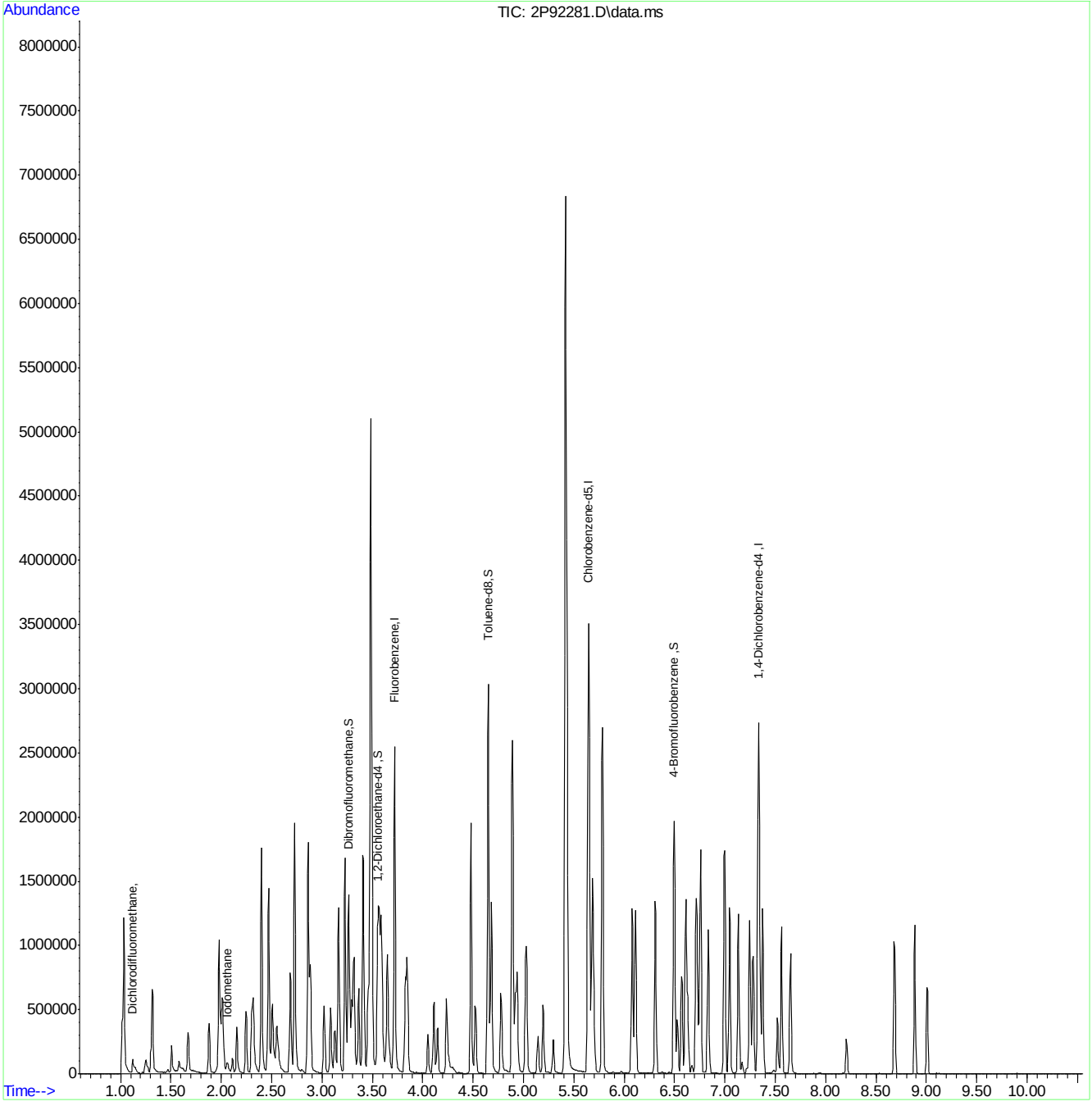
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1387054	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	968239	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.332	152	448068	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.265	113	297557	50.47	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.94%			
49) 1,2-Dichloroethane-d4	3.553	65	415478	50.74	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.48%			
63) Toluene-d8	4.650	98	1333699	50.06	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.12%			
86) 4-Bromofluorobenzene	6.496	174	341929	48.93	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.122	85	79604	21.31	ug/L	95
15) Iodomethane	2.057	142	62007	22.82	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 2P92281.D
Acq On : 24 Aug 2022 2:41 pm
Operator : courtnef
Sample : ICV3560-4
Misc : MS52204,V2P3560,,,,,
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 24 15:19:03 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:30:01 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 14:37

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:19:20 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1241494	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	926048	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	436690	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.265	113	269198	51.02	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.04%			
49) 1,2-Dichloroethane-d4	3.553	65	365937	49.93	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.86%			
63) Toluene-d8	4.651	98	1218033	47.80	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.60%			
86) 4-Bromofluorobenzene	6.496	174	333607	48.98	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.122	85	198537	57.93	ug/L	100
3) Chloromethane	1.252	50	186026	49.12	ug/L	94
4) 1,3-butadiene	1.320	39	140692	39.98	ug/L	98
5) Vinyl Chloride	1.305	62	228206	49.45	ug/L	98
6) Bromomethane	1.509	94	106897	37.43	ug/L	97
7) Chloroethane	1.582	64	62324	42.22	ug/L	97
8) Trichlorofluoromethane	1.671	101	234957	59.13	ug/L	99
9) Ethyl Ether	1.880	59	188616	43.67	ug/L	98
10) Ethanol	1.974	45	120320	1000.34	ug/L	99
11) 1,2-Dichlorotrifluoroe...	1.979	67	184665	45.70	ug/L	97
12) 1,1-Dichloroethene	1.979	61	269864	45.73	ug/L	97
13) Freon 113	2.016	101	171935	45.04	ug/L	95
14) Carbon Disulfide	2.000	76	442833	43.11	ug/L	99
15) Iodomethane	2.063	142	83133	32.73	ug/L	98
16) Acrolein	2.157	56	357382	226.23	ug/L	99
17) Allyl chloride	2.246	41	186090	43.84	ug/L	94
18) Methylene Chloride	2.303	49	263418	42.67	ug/L	97
19) Acetone	2.319	43	631926	224.13	ug/L	98
20) Methyl acetate	2.397	43	1386320	239.99	ug/L	99
21) trans-1,2-Dichloroethene	2.403	61	268229	44.86	ug/L	98
22) Hexane	2.471	56	143554	46.55	ug/L	99
23) Methyl Tert Butyl Ether	2.471	73	613795	45.05	ug/L	98
24) Tert Butyl Alcohol	2.512	59	766240	454.68	ug/L	99
25) Acetonitrile	2.554	41	401222	419.72	ug/L	98
26) Di-isopropyl ether	2.685	45	577239	45.62	ug/L	98
27) Chloroprene	2.732	53	792951	44.00	ug/L	99
28) 1,1-Dichloroethane	2.732	63	354055	45.04	ug/L	99
29) Acrylonitrile	2.732	52	624799	219.27	ug/L	96
30) ETBE	2.884	59	675377	45.56	ug/L	100
31) Vinyl acetate	2.863	43	2244956	220.19	ug/L	99
32) cis-1,2-Dichloroethene	3.025	96	202914	43.28	ug/L	97
33) 2,2-Dichloropropane	3.087	77	281302	44.11	ug/L	100
34) Bromochloromethane	3.129	128	92609	43.70	ug/L	94
35) Cyclohexane	3.166	56	347166	45.60	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:19:20 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	3.171	83	358744	45.47	ug/L	98
37) Ethyl acetate	3.229	43	1720126	223.06	ug/L	100
38) Tetrahydrofuran	3.260	42	134801	45.78	ug/L	98
40) Carbon Tetrachloride	3.270	117	225717m	44.51	ug/L	
41) 1,1,1-Trichloroethane	3.297	97	308864	44.23	ug/L	99
42) 2-Butanone	3.317	43	1052144	219.71	ug/L	98
43) 1,1-Dichloropropene	3.365	75	270430	45.68	ug/L	96
44) tert-Butyl formate	3.412	59	745999	212.09	ug/L	98
45) Propionitrile	3.464	54	695629	458.34	ug/L	99
46) Methacrylonitrile	3.485	41	1874768	462.43	ug/L	99
47) Benzene	3.495	78	843610	44.64	ug/L	96
48) TAME	3.568	73	608870	45.18	ug/L	99
50) Isobutyl alcohol	3.589	43	769270m	990.79	ug/L	
51) 1,2-Dichloroethane	3.589	62	297836	44.03	ug/L	98
52) Tert Amyl Alcohol	3.652	59	642096	447.00	ug/L	98
53) Trichloroethene	3.825	95	208830	42.94	ug/L	97
54) Methylcyclohexane	3.845	83	308491	45.68	ug/L	98
55) Dibromomethane	4.049	93	118043	44.18	ug/L	97
56) 1,2-Dichloropropane	4.112	63	207911	45.29	ug/L	98
57) Bromodichloromethane	4.149	83	222680	42.96	ug/L	99
58) Methyl methacrylate	4.238	41	237278	44.59	ug/L	96
59) 1,4-Dioxane	4.259	88	133902	928.21	ug/L	99
60) 2-Chloroethyl vinyl ether	4.478	63	829699	217.26	ug/L	98
61) cis-1,3-Dichloropropene	4.520	75	290519	43.31	ug/L	95
64) Toluene	4.682	91	916910	41.94	ug/L	99
65) 2-Nitropropane	4.776	41	379222	208.76	ug/L	98
66) 4-Methyl-2-pentanone	4.891	43	1785300	211.67	ug/L	99
67) trans-1,3-Dichloropropene	4.917	75	269655	41.62	ug/L	87
68) Tetrachloroethene	4.938	166	198439	42.73	ug/L	97
69) Ethyl methacrylate	5.032	69	330199	41.67	ug/L	100
70) 1,1,2-Trichloroethane	5.022	83	157934	42.23	ug/L	98
71) Dibromochloromethane	5.142	129	171404	42.48	ug/L	99
72) 1,3-Dichloropropane	5.194	76	341548	41.08	ug/L	98
73) 1,2-Dibromoethane	5.294	107	196409	43.45	ug/L	90
74) 3,3-dimethyl-1-butanol	5.419	57	3976115	2109.89	ug/L	99
75) 2-hexanone	5.430	43	2054274	216.93	ug/L	99
76) 1-Chlorohexane	5.649	91	286598m	41.10	ug/L	
77) Ethylbenzene	5.686	91	1009527	42.10	ug/L	99
78) Chlorobenzene	5.654	112	550916	42.08	ug/L	99
79) 1,1,1,2-Tetrachloroethane	5.696	131	173488	41.15	ug/L	98
80) m,p-Xylene	5.785	91	1605897	84.69	ug/L	100
81) o-Xylene	6.078	91	796450	42.67	ug/L	99
82) Styrene	6.109	104	617177	43.23	ug/L	98
83) Bromoform	6.120	173	89884	40.87	ug/L	95
84) Isopropylbenzene	6.308	105	930628	43.22	ug/L	100
87) cis-1,4-Dichloro-2-butene	6.527	53	100341	39.25	ug/L	97
88) n-Propylbenzene	6.611	91	1104563	41.22	ug/L	100
89) Bromobenzene	6.569	156	222499	41.07	ug/L	99
90) 1,1,2,2-Tetrachloroethane	6.632	83	303208	41.95	ug/L	99
91) 1,3,5-Trimethylbenzene	6.758	105	771389	41.35	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:19:20 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

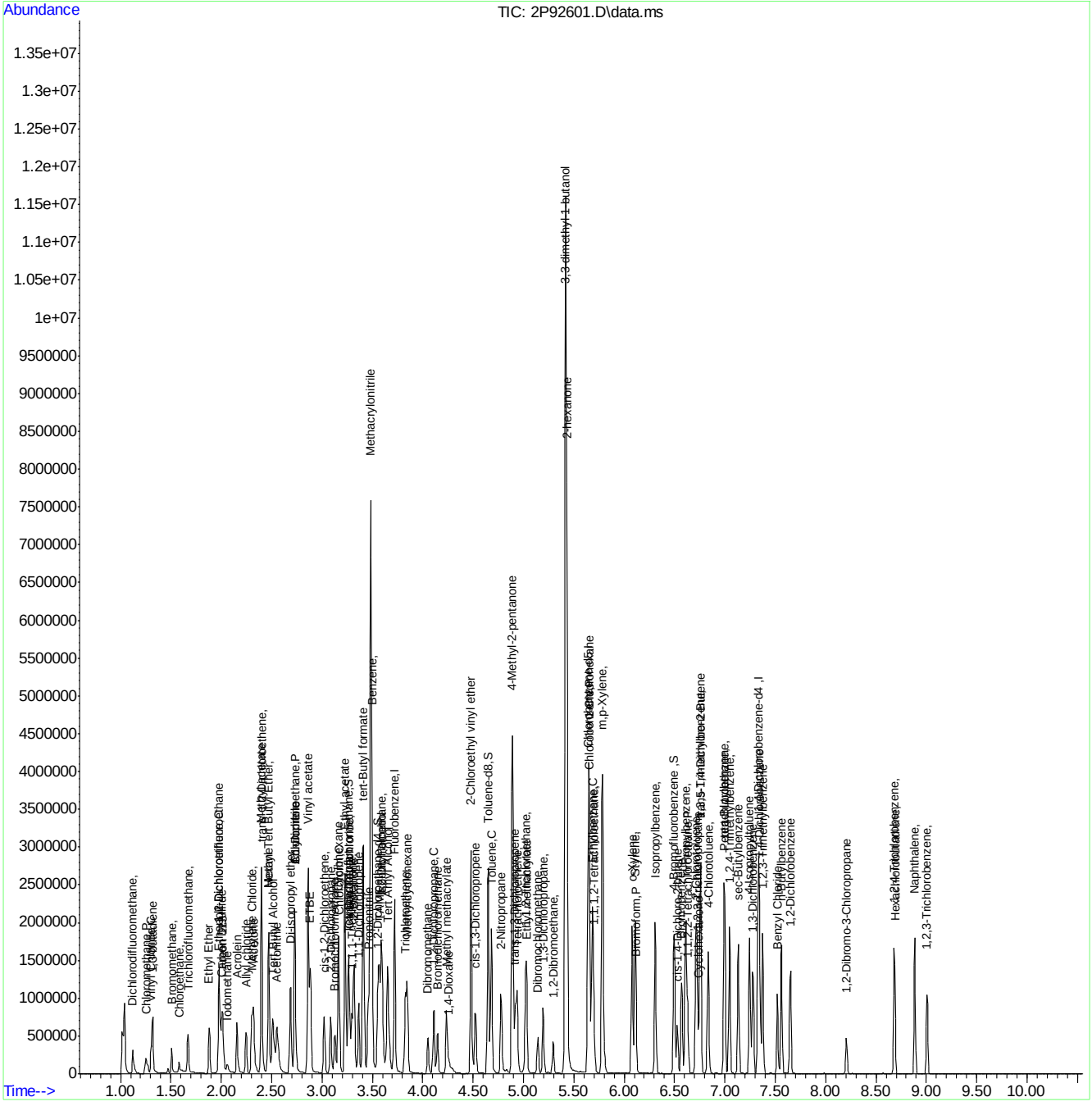
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.710	91	656365	40.59	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.758	53	124897	40.32	ug/L		95
94)	1,2,3-Trichloropropane	6.726	110	111314	41.29	ug/L		94
95)	Cyclohexanone	6.742	55	120471	213.43	ug/L		98
96)	4-Chlorotoluene	6.836	91	689032	40.43	ug/L		100
97)	tert-Butylbenzene	6.993	91	424158	41.41	ug/L		100
99)	1,2,4-Trimethylbenzene	7.045	105	748925	41.16	ug/L		100
100)	Pentachloroethane	6.998	167	100355	42.09	ug/L		99
101)	sec-Butylbenzene	7.134	105	838513	42.27	ug/L		99
102)	4-Isopropyltoluene	7.244	119	745557	41.30	ug/L		100
103)	1,3-Dichlorobenzene	7.280	146	403420	41.46	ug/L		99
104)	1,2,3-Trimethylbenzene	7.374	105	740667	40.58	ug/L		99
105)	1,4-Dichlorobenzene	7.343	146	414312	40.74	ug/L		99
106)	n-Butylbenzene	7.563	92	361159	40.87	ug/L		97
107)	Benzyl Chloride	7.521	126	93951	40.49	ug/L	#	91
108)	1,2-Dichlorobenzene	7.651	146	377892	41.37	ug/L		97
109)	1,2-Dibromo-3-Chloropr...	8.206	75	71375	41.14	ug/L		97
110)	Hexachlorobutadiene	8.687	225	73997	43.11	ug/L		95
111)	1,2,4-Trichlorobenzene	8.681	180	204932	42.18	ug/L		99
112)	Naphthalene	8.885	128	839621	40.48	ug/L		99
113)	1,2,3-Trichlorobenzene	9.006	180	190548	41.78	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:19:20 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

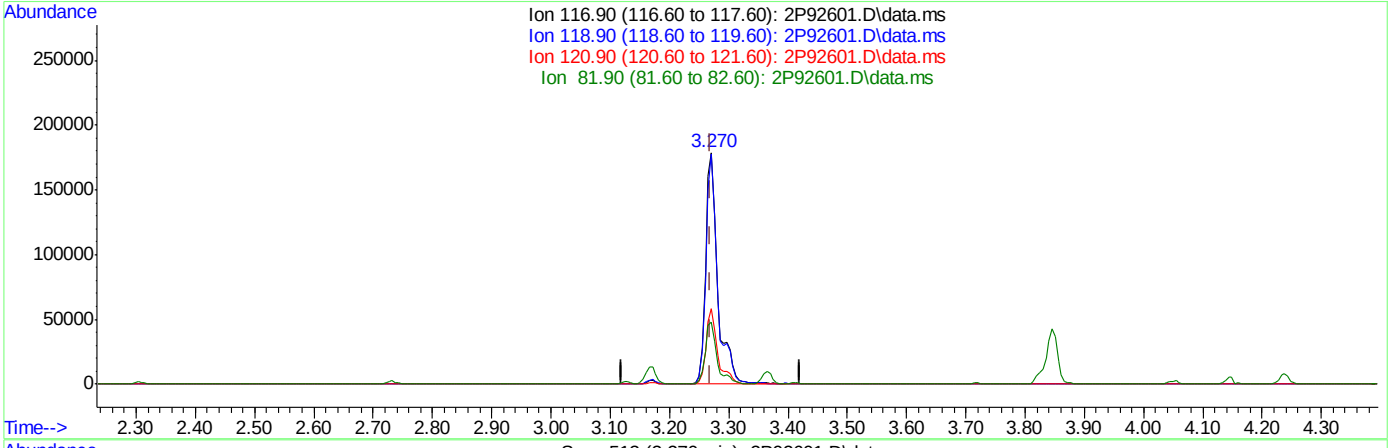
Sample Number: V2P3567-CC3560 **Method:** SW846 8260D
Lab FileID: 2P92601.D **Analyst approved:** 09/01/22 13:21 Courtney Failla
Injection Time: 09/01/22 13:04 **Supervisor approved:** 09/02/22 14:37 Karen Watson

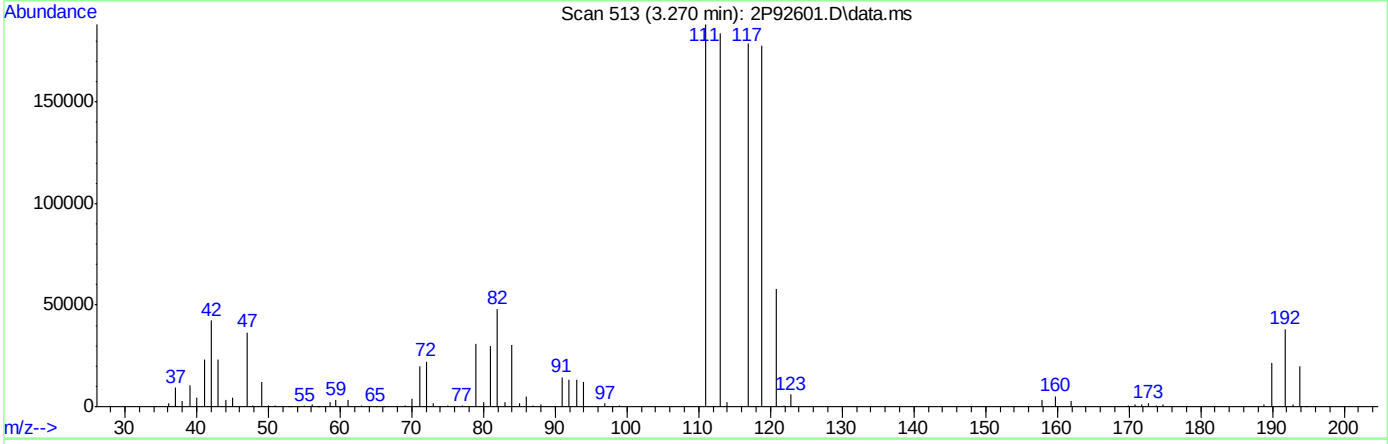
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (+0.000) 49.81ug/L

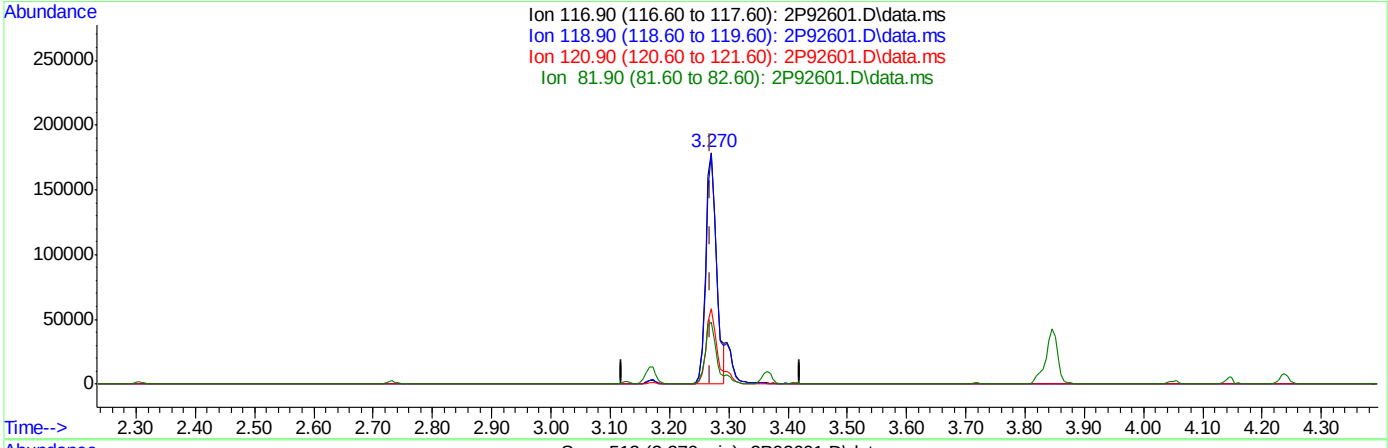
response 256801

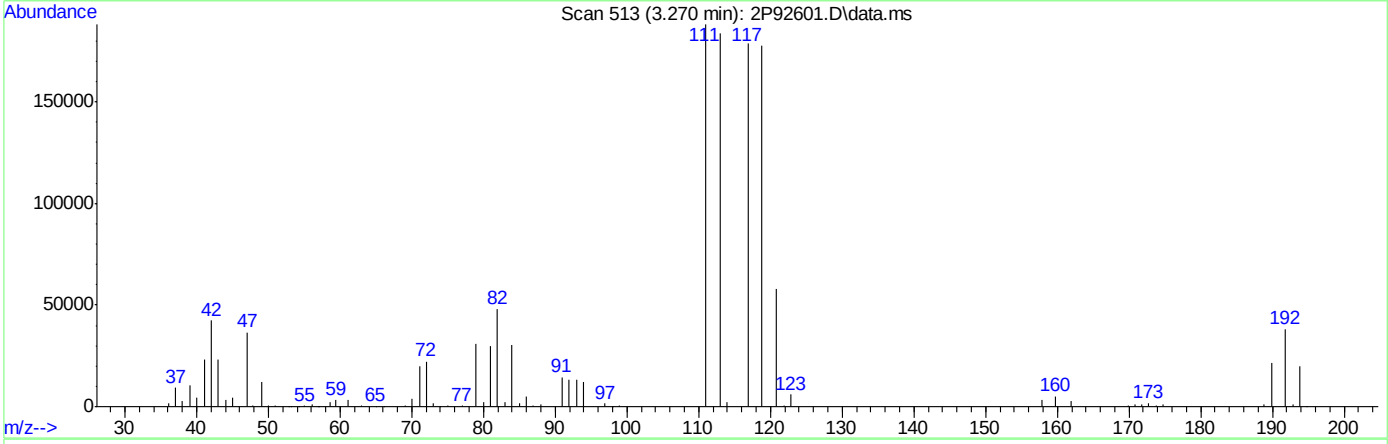
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.21
120.90	29.50	32.50
81.90	28.30	26.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(40) Carbon Tetrachloride ( )

3.270min (+0.000) 44.51ug/L m

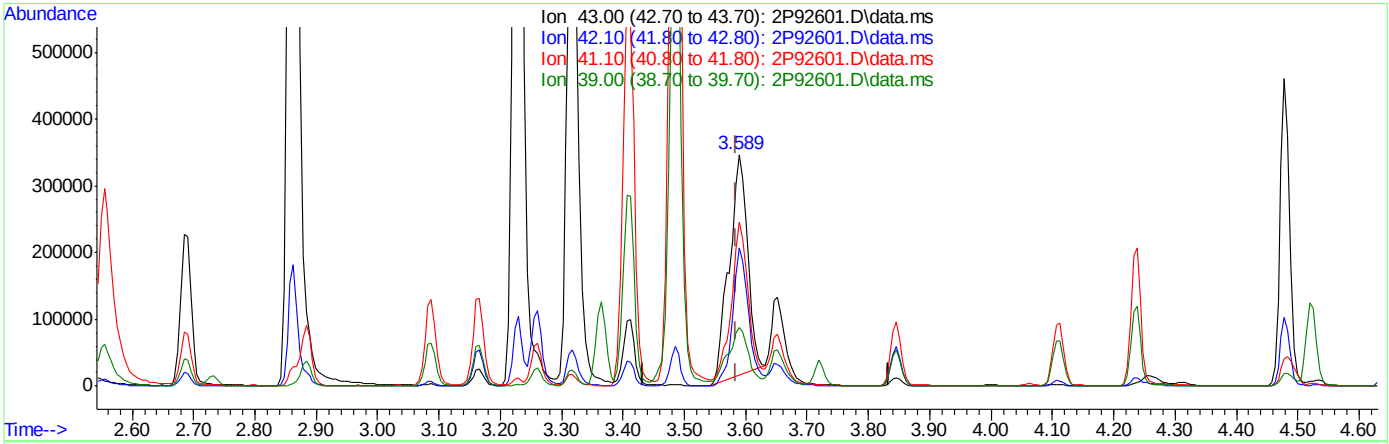
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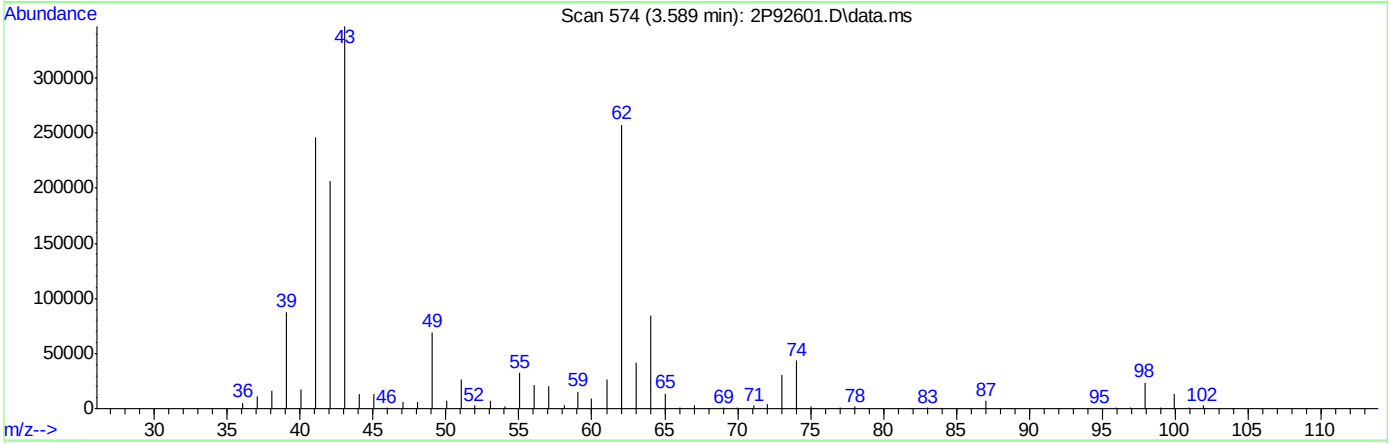
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	99.21
120.90	29.50	32.50
81.90	28.30	26.93

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 883.63ug/L

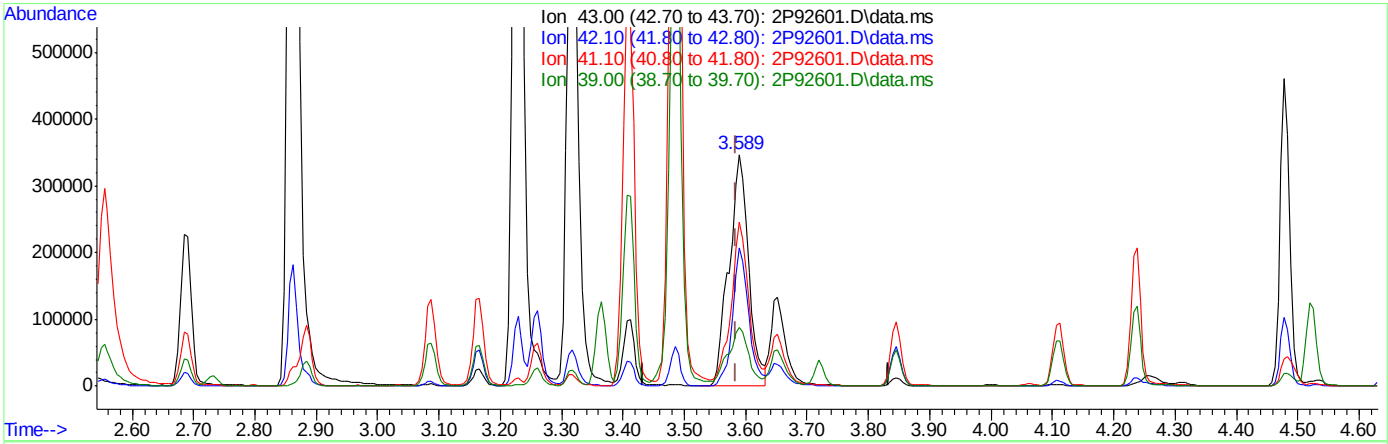
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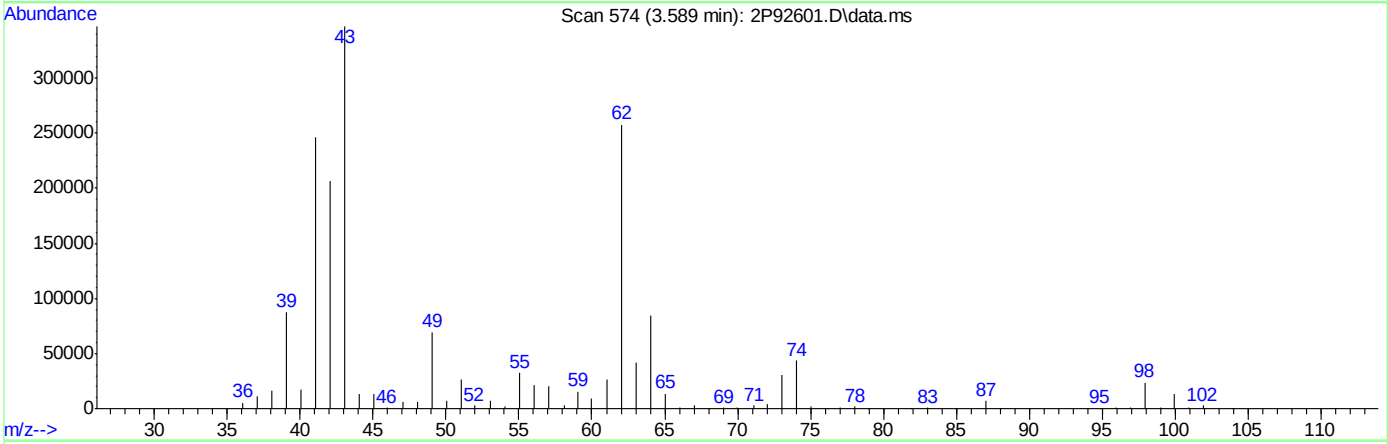
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	59.71
41.10	70.00	68.79
39.00	27.50	23.44

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.005) 990.79ug/L m

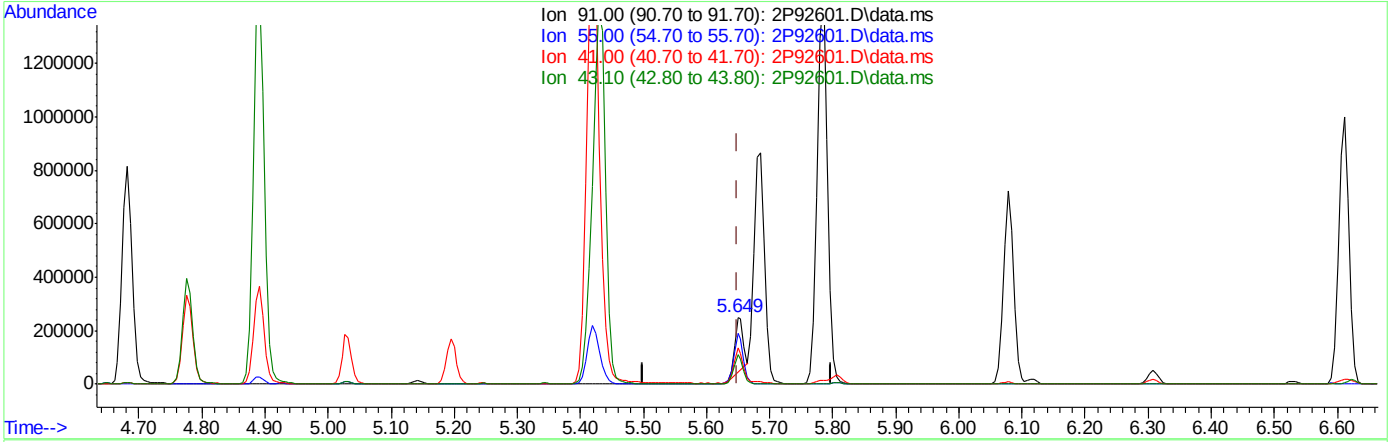
response 769270

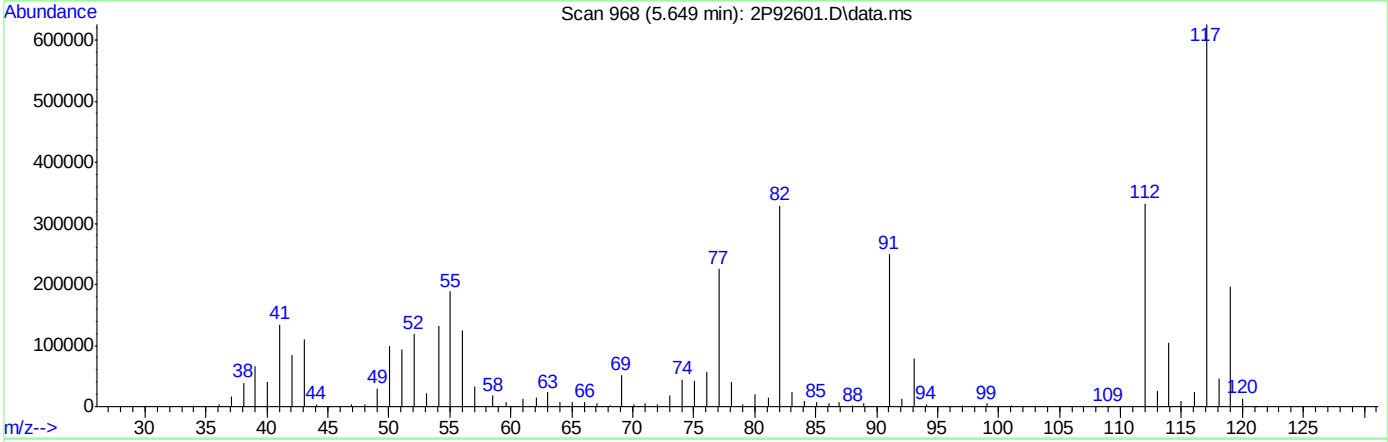
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	59.64
41.10	70.00	71.00
39.00	27.50	25.29

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 29.34ug/L

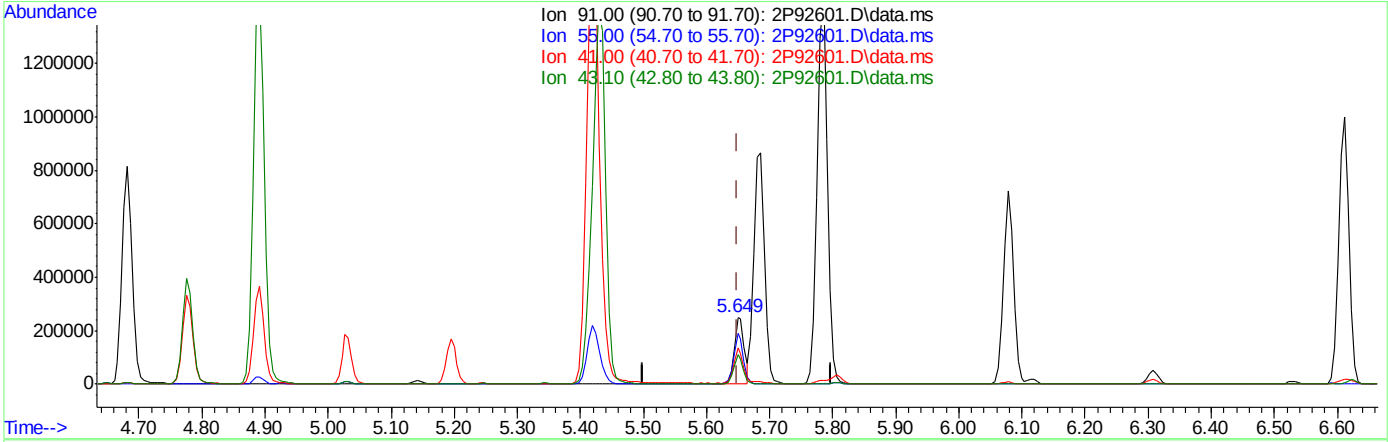
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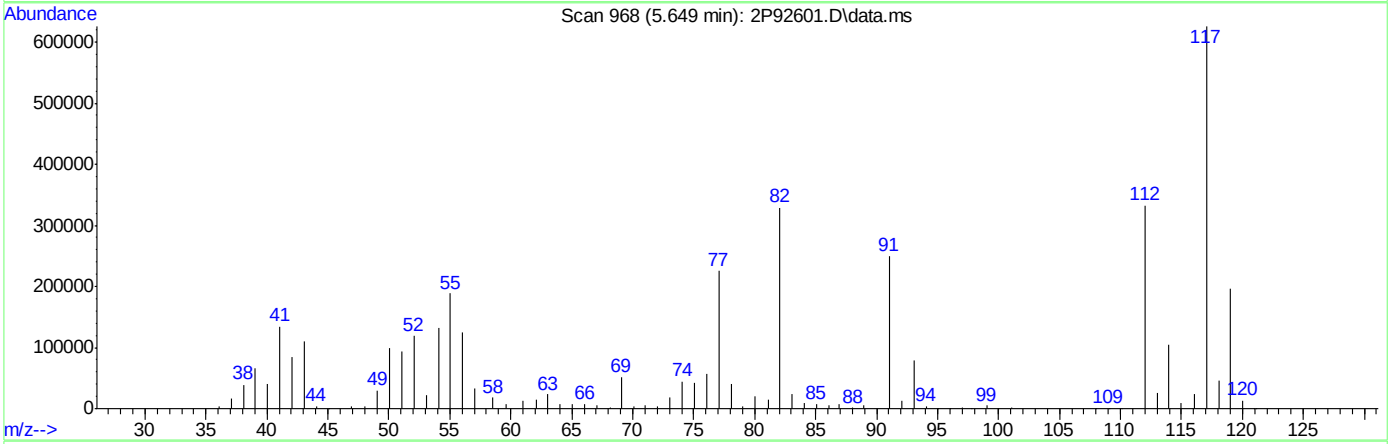
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	72.50
41.00	53.40	51.21
43.10	41.30	43.37

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : 2P92601.D
Acq On : 1 Sep 2022 1:04 pm
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3567,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 01 13:18:34 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92601.D\data.ms

(76) 1-Chlorohexane

5.649min (+0.000) 41.10ug/L m

response 286598

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	75.39
41.00	53.40	53.82
43.10	41.30	44.27

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 14:37

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 03:04:29 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.722	96	1271060	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.646	117	925295	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.334	152	422263	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.267	113	266110	49.26	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.52%		
49) 1,2-Dichloroethane-d4	3.555	65	366615	48.86	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	97.72%		
63) Toluene-d8	4.652	98	1233286	48.44	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	96.88%		
86) 4-Bromofluorobenzene	6.498	174	326125	49.52	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.04%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.129	85	206559	58.87	ug/L	98
3) Chloromethane	1.254	50	205942	53.12	ug/L	95
4) 1,3-butadiene	1.322	39	161417	44.80	ug/L	99
5) Vinyl Chloride	1.307	62	241737	51.16	ug/L	98
6) Bromomethane	1.510	94	115904	39.64	ug/L	98
7) Chloroethane	1.584	64	65553	43.47	ug/L	95
8) Trichlorofluoromethane	1.678	101	241635	59.69	ug/L	99
9) Ethyl Ether	1.882	59	195165	44.14	ug/L	97
10) Ethanol	1.976	45	123655	1004.85	ug/L	93
11) 1,2-Dichlorotrifluoroe...	1.981	67	192227	46.47	ug/L	99
12) 1,1-Dichloroethene	1.986	61	274030	45.36	ug/L	98
13) Freon 113	2.018	101	164173	42.25	ug/L	100
14) Carbon Disulfide	2.007	76	441949	42.17	ug/L	98
15) Iodomethane	2.065	142	152534	53.82	ug/L	99
16) Acrolein	2.159	56	340492	210.52	ug/L	100
17) Allyl chloride	2.253	41	181523	41.77	ug/L	92
18) Methylene Chloride	2.305	49	274172	43.45	ug/L	97
19) Acetone	2.321	43	648284	224.59	ug/L	99
20) Methyl acetate	2.399	43	1462454	247.28	ug/L	98
21) trans-1,2-Dichloroethene	2.404	61	277621	45.36	ug/L	99
22) Hexane	2.472	56	130456	41.99	ug/L	92
23) Methyl Tert Butyl Ether	2.472	73	624018	44.73	ug/L	95
24) Tert Butyl Alcohol	2.514	59	782222	453.37	ug/L	97
25) Acetonitrile	2.556	41	406885	415.74	ug/L	98
26) Di-isopropyl ether	2.687	45	616337	47.58	ug/L	96
27) Chloroprene	2.734	53	819861	44.44	ug/L	99
28) 1,1-Dichloroethane	2.734	63	365772	45.45	ug/L	99
29) Acrylonitrile	2.734	52	647442	221.93	ug/L	98
30) ETBE	2.885	59	695446	45.82	ug/L	99
31) Vinyl acetate	2.865	43	2278799	218.31	ug/L	98
32) cis-1,2-Dichloroethene	3.027	96	208212	43.37	ug/L	99
33) 2,2-Dichloropropane	3.089	77	226226	35.58	ug/L	99
34) Bromochloromethane	3.131	128	90773	41.83	ug/L	99
35) Cyclohexane	3.168	56	360572	46.19	ug/L	97
36) Chloroform	3.173	83	364116	45.08	ug/L	99
37) Ethyl acetate	3.230	43	1779741	225.42	ug/L	100
38) Tetrahydrofuran	3.262	42	142187	47.17	ug/L	96
40) Carbon Tetrachloride	3.272	117	224444m	43.38	ug/L	
41) 1,1,1-Trichloroethane	3.298	97	309924	43.43	ug/L	98
42) 2-Butanone	3.319	43	1080926	220.48	ug/L	98
43) 1,1-Dichloropropene	3.366	75	273596	45.14	ug/L	99
44) tert-Butyl formate	3.413	59	750210	208.88	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 03:04:29 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.466	54	701137	451.23	ug/L		99
46) Methacrylonitrile	3.487	41	1891428	455.68	ug/L		99
47) Benzene	3.497	78	865486	44.74	ug/L		94
48) TAME	3.570	73	621343	45.03	ug/L		99
50) Isobutyl alcohol	3.591	43	764405m	961.62	ug/L		
51) 1,2-Dichloroethane	3.591	62	301389	43.52	ug/L		98
52) Tert Amyl Alcohol	3.654	59	650785	442.65	ug/L		98
53) Trichloroethene	3.826	95	210366	42.25	ug/L		96
54) Methylcyclohexane	3.847	83	304044	44.18	ug/L		98
55) Dibromomethane	4.051	93	119694	43.76	ug/L		96
56) 1,2-Dichloropropane	4.109	63	213343	45.39	ug/L		99
57) Bromodichloromethane	4.145	83	226219	42.67	ug/L		98
58) Methyl methacrylate	4.234	41	234245	43.14	ug/L		94
59) 1,4-Dioxane	4.260	88	134177	908.48	ug/L		96
60) 2-Chloroethyl vinyl ether	4.480	63	784820	200.73	ug/L		99
61) cis-1,3-Dichloropropene	4.522	75	286892	41.95	ug/L		96
64) Toluene	4.684	91	921241	42.17	ug/L		99
65) 2-Nitropropane	4.778	41	367076	203.35	ug/L		96
66) 4-Methyl-2-pentanone	4.893	43	1830294	217.19	ug/L		99
67) trans-1,3-Dichloropropene	4.919	75	265309	41.04	ug/L		88
68) Tetrachloroethene	4.940	166	209289	45.11	ug/L		98
69) Ethyl methacrylate	5.029	69	322869	40.85	ug/L		91
70) 1,1,2-Trichloroethane	5.024	83	162415	43.46	ug/L		97
71) Dibromochloromethane	5.144	129	164649	41.04	ug/L		99
72) 1,3-Dichloropropane	5.196	76	348224	41.92	ug/L		99
73) 1,2-Dibromoethane	5.296	107	198277	43.90	ug/L		93
74) 3,3-dimethyl-1-butanol	5.421	57	4025726	2137.72	ug/L		99
75) 2-hexanone	5.431	43	2085714	220.43	ug/L		91
76) 1-Chlorohexane	5.651	91	296207m	42.52	ug/L		
77) Ethylbenzene	5.682	91	1015173	42.37	ug/L		99
78) Chlorobenzene	5.656	112	550416	42.08	ug/L		98
79) 1,1,1,2-Tetrachloroethane	5.698	131	174227	41.34	ug/L		99
80) m,p-Xylene	5.782	91	1616887	85.34	ug/L		98
81) o-Xylene	6.080	91	801655	42.99	ug/L		99
82) Styrene	6.111	104	601977m	42.20	ug/L		
83) Bromoform	6.116	173	85211	39.11	ug/L		94
84) Isopropylbenzene	6.310	105	932805	43.36	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.529	53	71825	30.12	ug/L		94
88) n-Propylbenzene	6.608	91	1095921	42.30	ug/L		99
89) Bromobenzene	6.571	156	220394	42.08	ug/L		95
90) 1,1,2,2-Tetrachloroethane	6.629	83	303586	43.44	ug/L		99
91) 1,3,5-Trimethylbenzene	6.759	105	772713	42.84	ug/L		99
92) 2-Chlorotoluene	6.712	91	661649	42.32	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.759	53	103830	34.66	ug/L		95
94) 1,2,3-Trichloropropane	6.728	110	110139	42.25	ug/L		97
95) Cyclohexanone	6.744	55	120840	221.39	ug/L		98
96) 4-Chlorotoluene	6.833	91	684063	41.51	ug/L		96
97) tert-Butylbenzene	6.995	91	423770	42.78	ug/L		98
99) 1,2,4-Trimethylbenzene	7.047	105	746099	42.40	ug/L		99
100) Pentachloroethane	6.995	167	81235	36.11	ug/L	#	49
101) sec-Butylbenzene	7.131	105	825282	43.03	ug/L		99
102) 4-Isopropyltoluene	7.246	119	719590	41.23	ug/L		99
103) 1,3-Dichlorobenzene	7.277	146	391707	41.63	ug/L		97
104) 1,2,3-Trimethylbenzene	7.376	105	740550	41.96	ug/L		100
105) 1,4-Dichlorobenzene	7.345	146	401228	40.81	ug/L		99
106) n-Butylbenzene	7.559	92	344764	40.39	ug/L		94
107) Benzyl Chloride	7.523	126	59493	28.78	ug/L	#	92
108) 1,2-Dichlorobenzene	7.653	146	368859	41.76	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 03:04:29 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

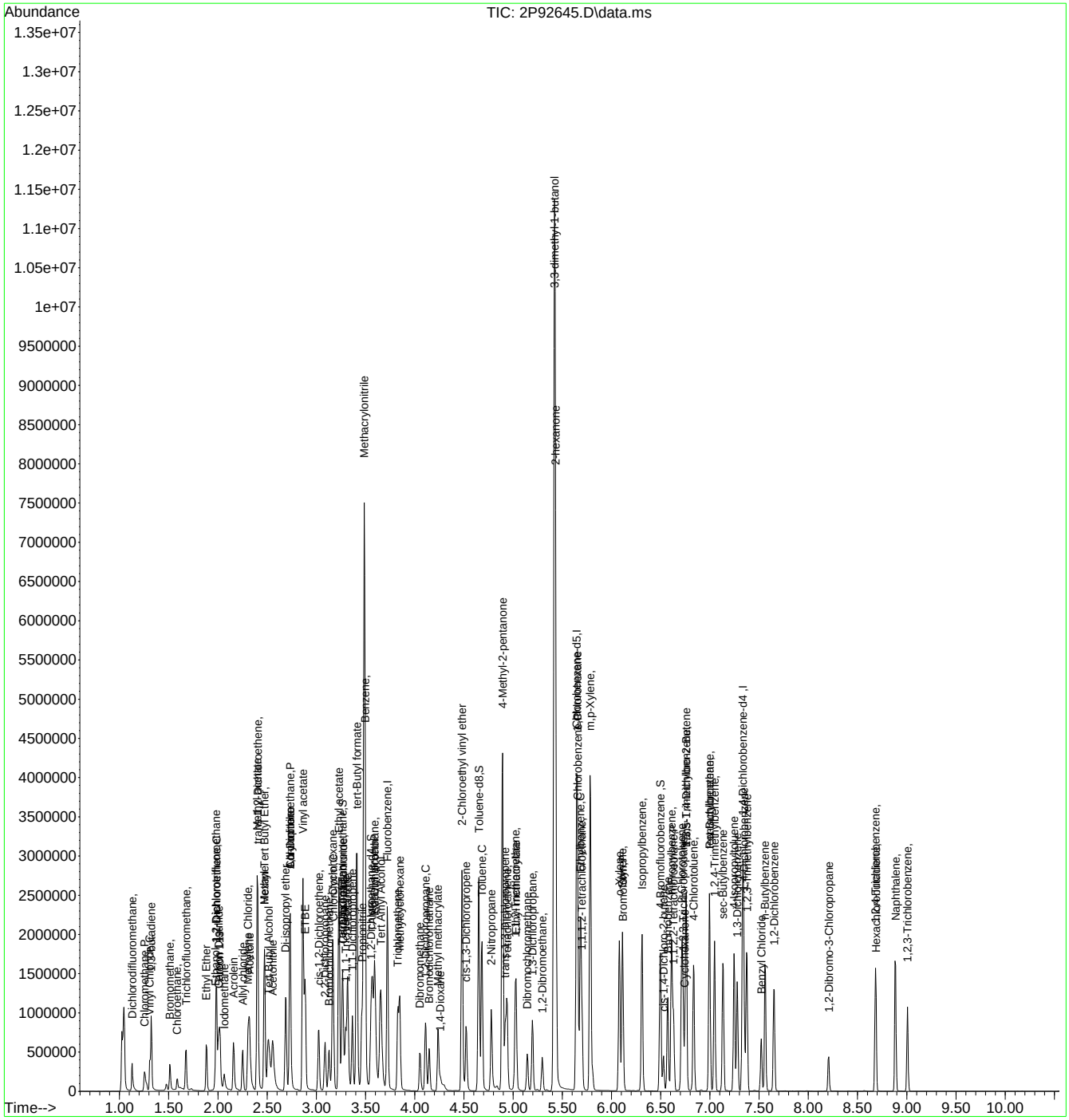
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.208	75	69374	41.32	ug/L	91
110) Hexachlorobutadiene	8.688	225	71374	43.02	ug/L	94
111) 1,2,4-Trichlorobenzene	8.683	180	193314	41.14	ug/L	97
112) Naphthalene	8.887	128	828367	41.23	ug/L	99
113) 1,2,3-Trichlorobenzene	9.007	180	184306	41.79	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
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Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 03:04:29 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

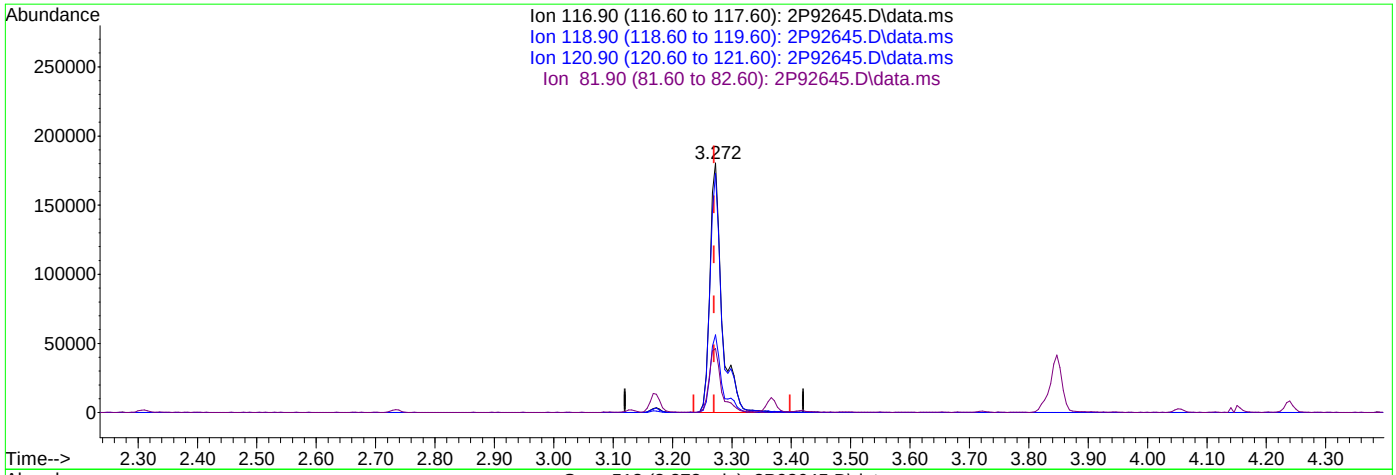
Sample Number: V2P3567-ECC3560 **Method:** SW846 8260D
Lab FileID: 2P92645.D **Analyst approved:** 09/02/22 03:14 Antonette Clutario
Injection Time: 09/02/22 00:50 **Supervisor approved:** 09/02/22 14:37 Karen Watson

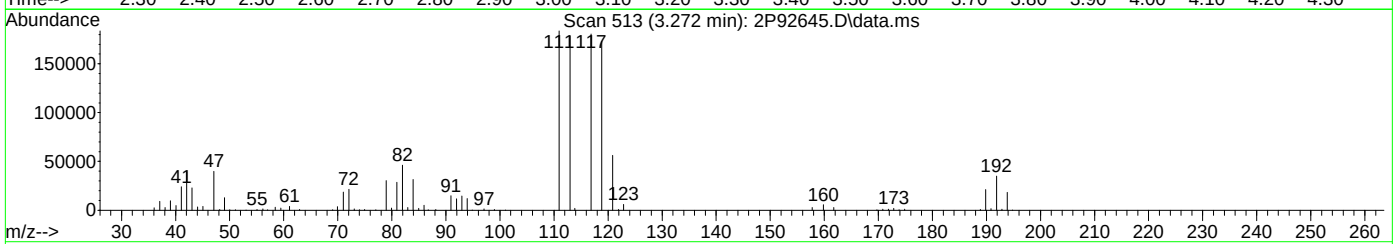
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration
Styrene	100-42-5		6.11	Overlapping peak

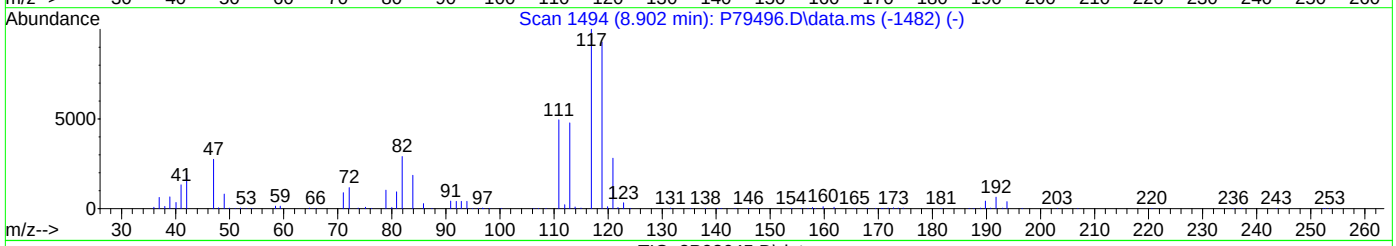
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 02:25:13 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92645.D\data.ms

(40) Carbon Tetrachloride ( )

3.272min (+0.002) 48.65ug/L

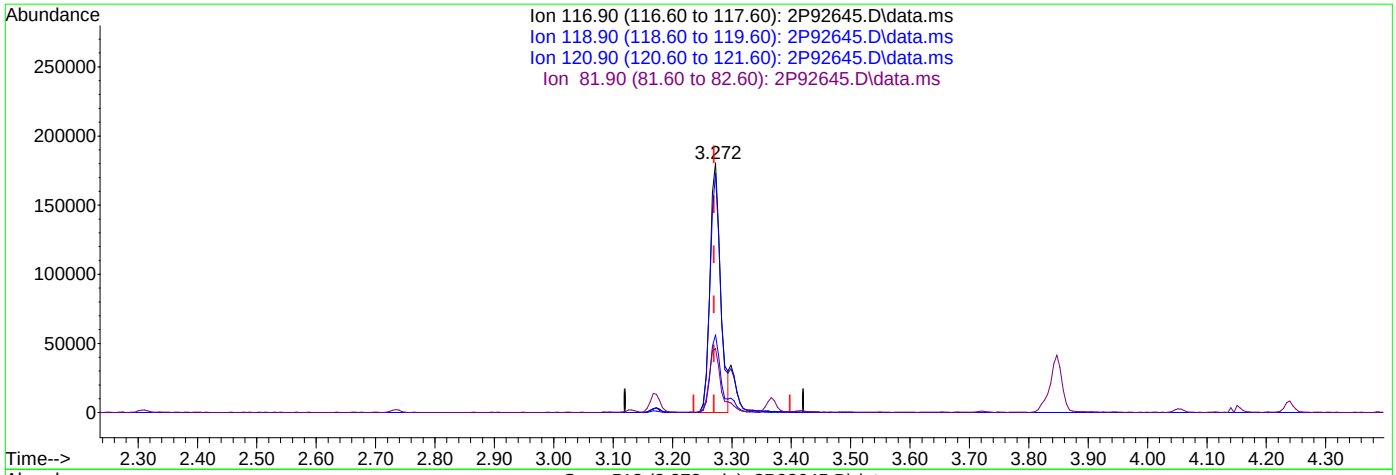
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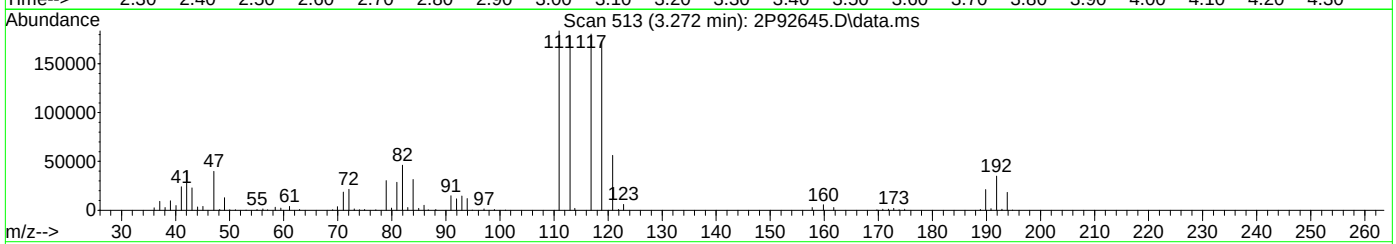
Ion	Exp%	Act%
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118.90	98.00	95.82
120.90	29.50	31.13
81.90	28.30	25.50

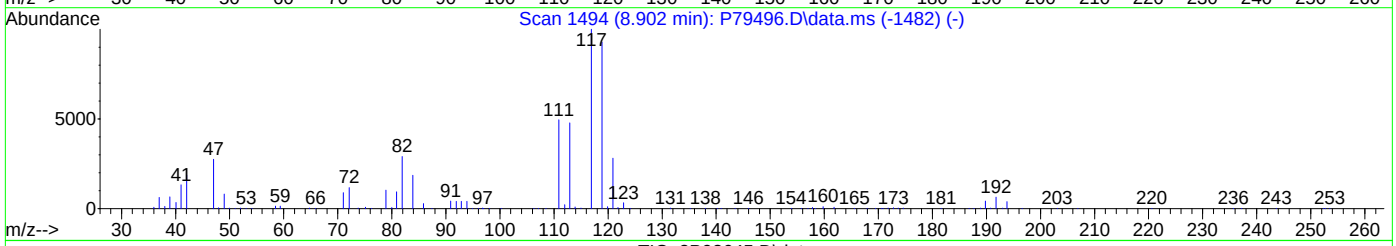
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 02:25:13 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92645.D\data.ms

(40) Carbon Tetrachloride ( )

3.272min (+0.002) 43.38ug/L m

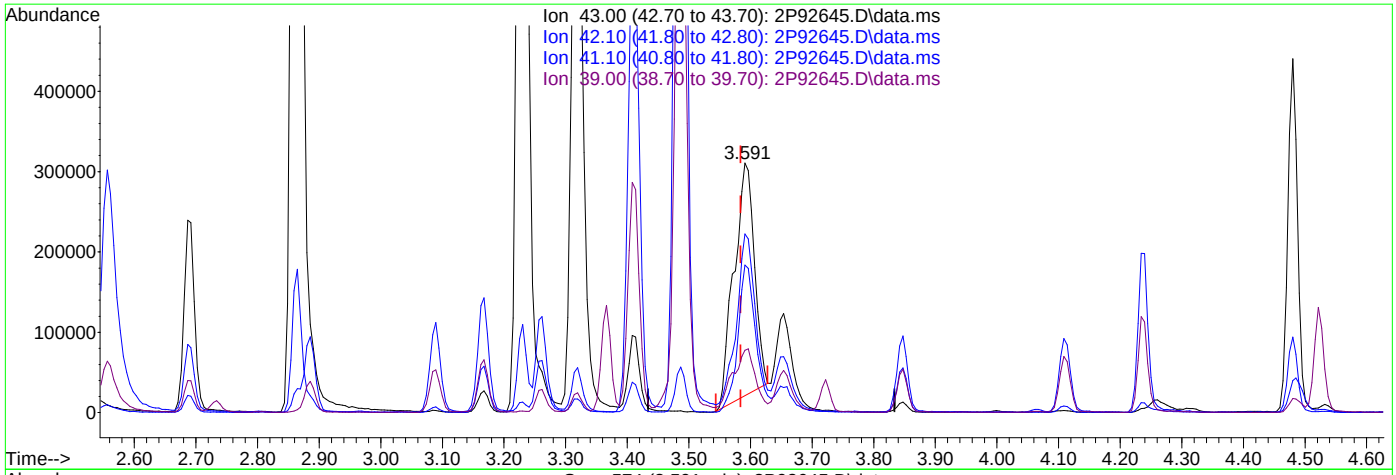
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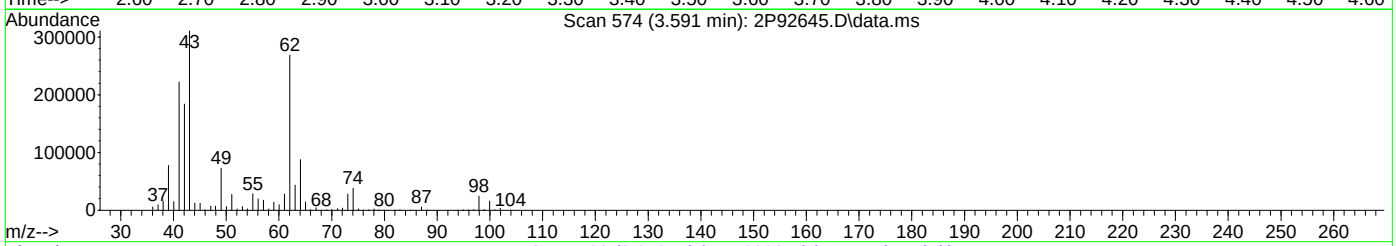
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	95.82
120.90	29.50	31.13
81.90	28.30	25.61

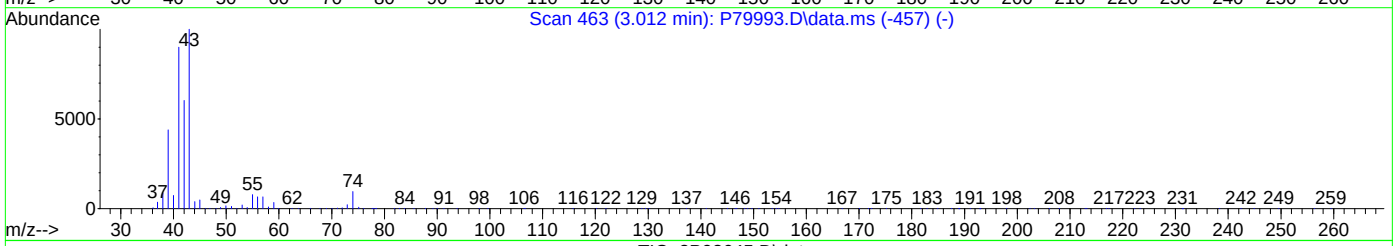
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 02:25:13 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92645.D\data.ms

(50) Isobutyl alcohol

3.591min (+0.007) 842.65ug/L

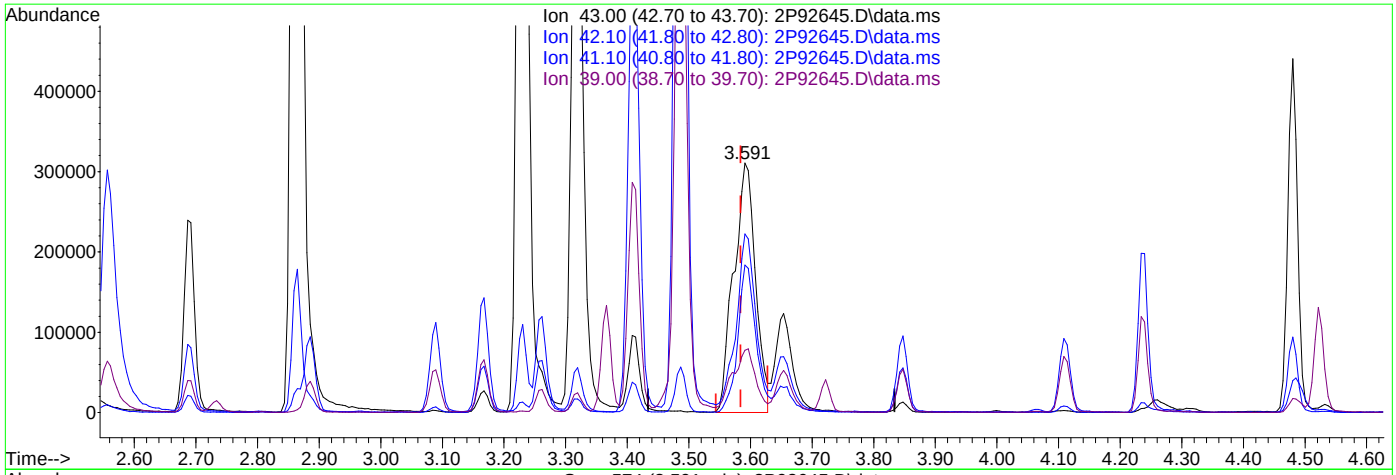
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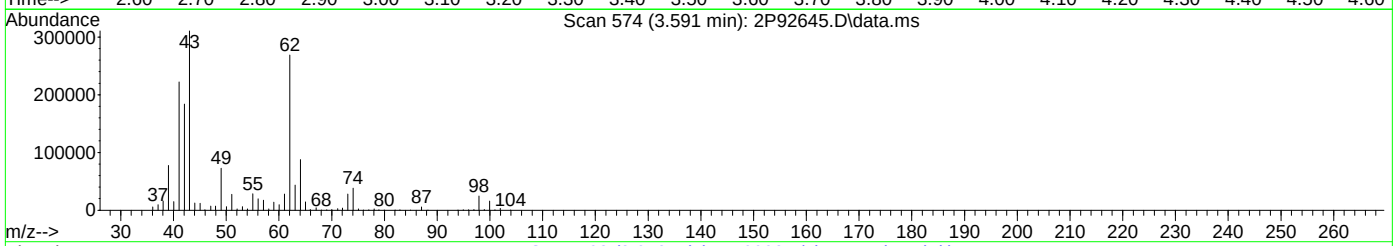
Ion	Exp%	Act%
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41.10	70.00	68.76
39.00	27.50	23.02

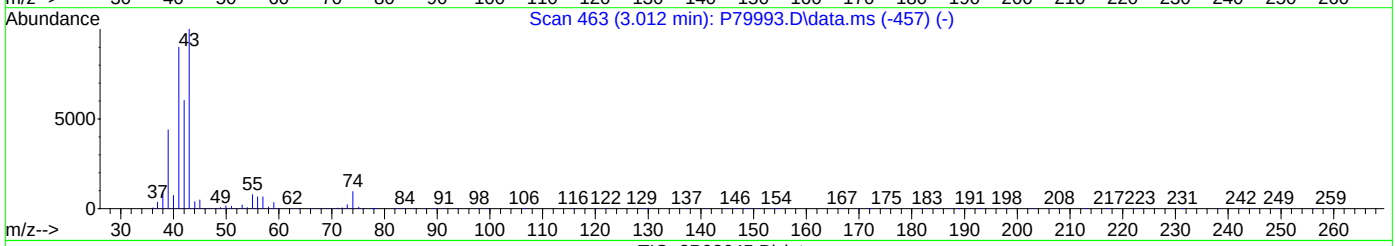
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 02:25:13 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92645.D\data.ms

(50) Isobutyl alcohol

3.591min (+0.007) 961.62ug/L m

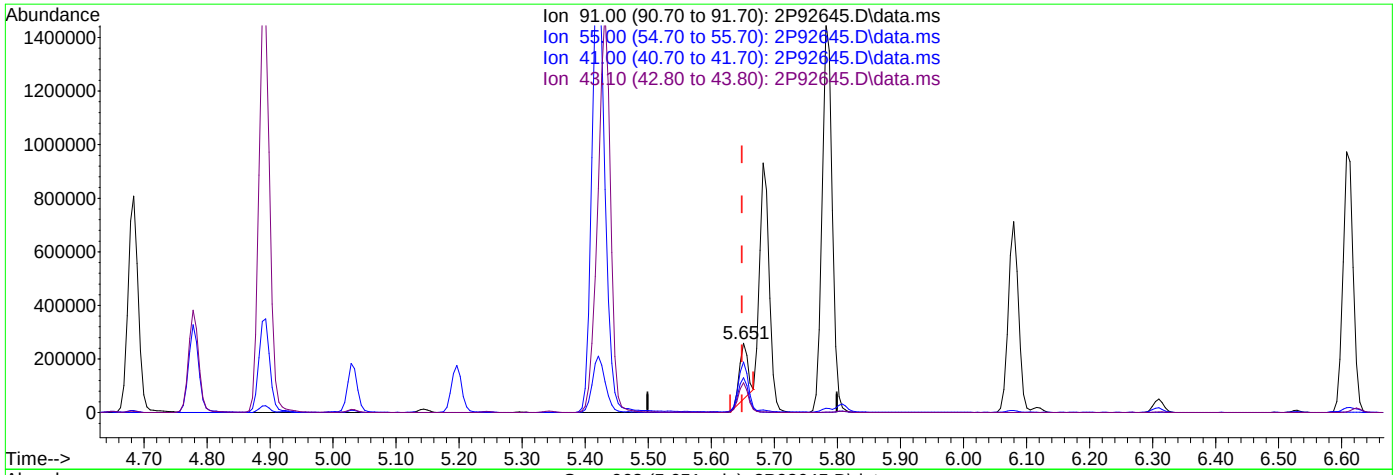
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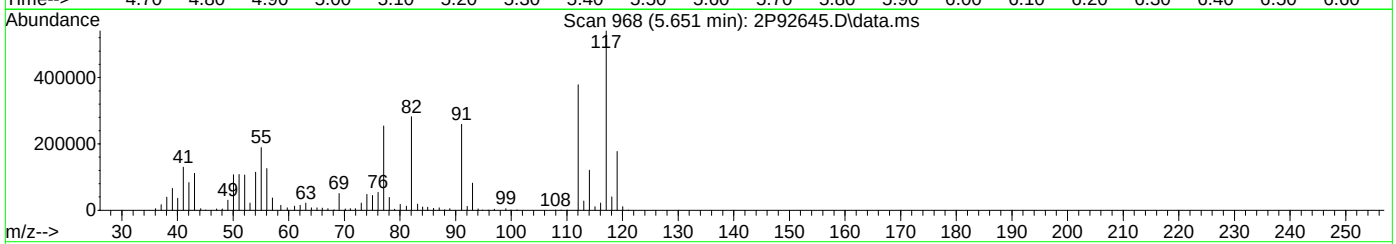
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	59.09
41.10	70.00	71.53
39.00	27.50	24.99

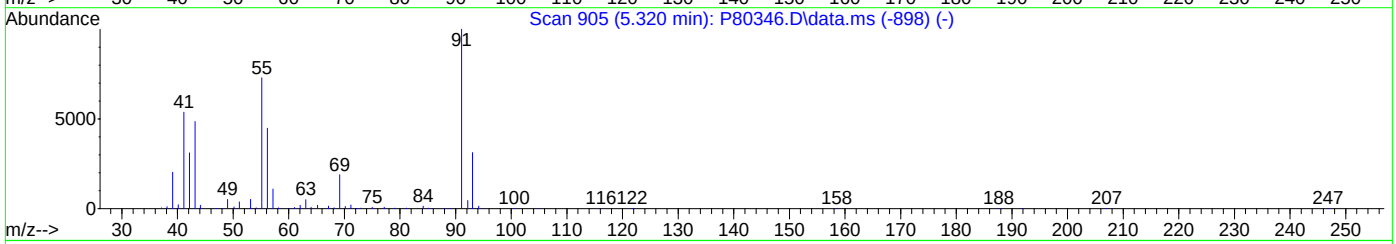
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 02:25:13 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92645.D\data.ms

(76) 1-Chlorohexane

5.651min (+0.002) 28.51ug/L

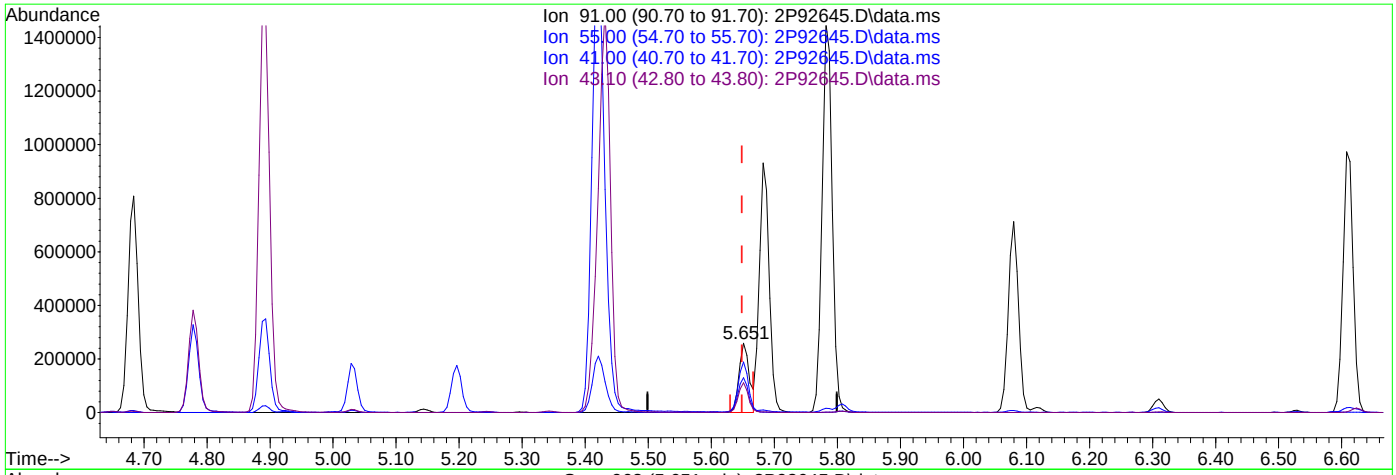
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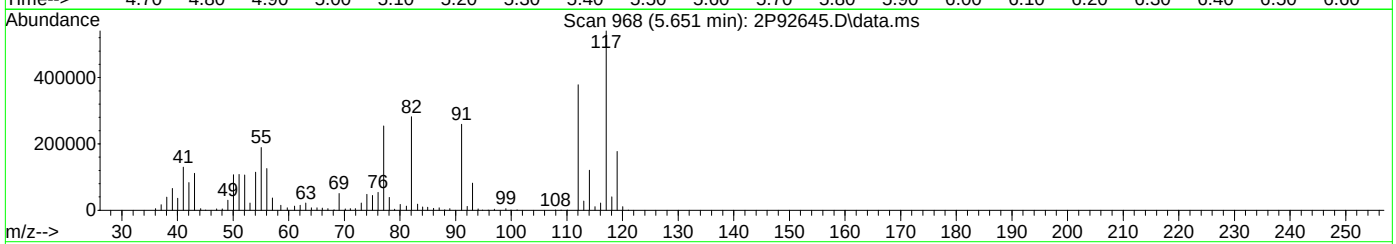
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	71.80
41.00	53.40	48.72
43.10	41.30	42.33

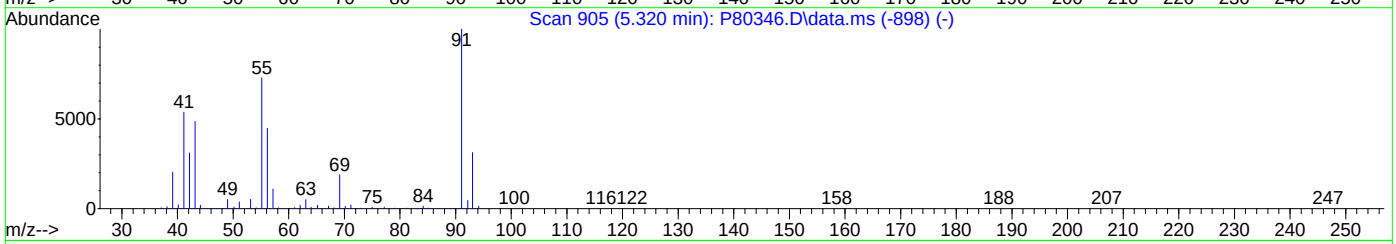
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 02:25:13 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92645.D\data.ms

(76) 1-Chlorohexane

5.651min (+0.002) 42.52ug/L m

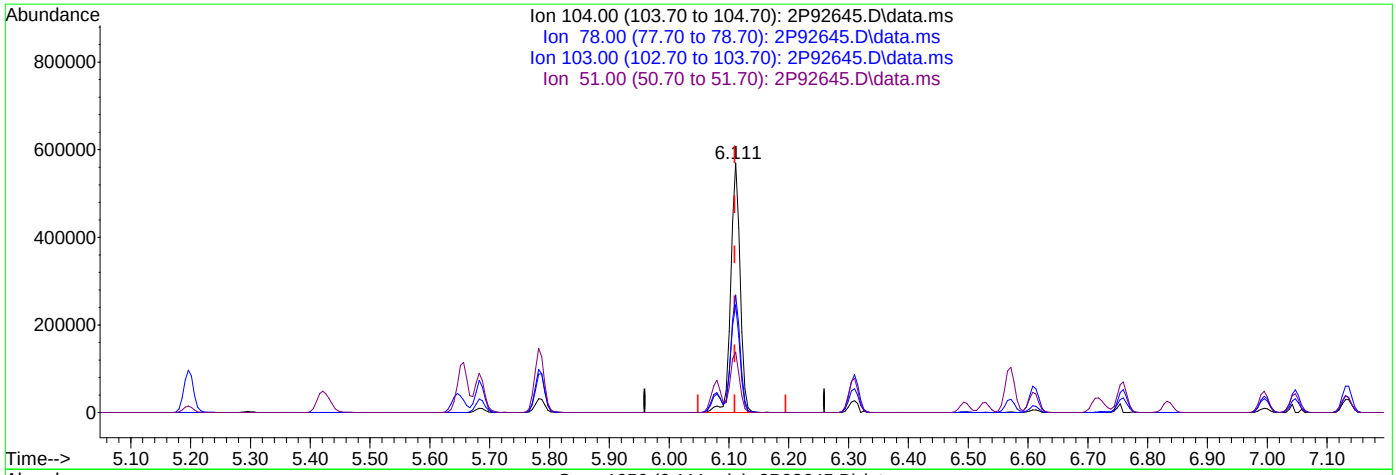
response 296207

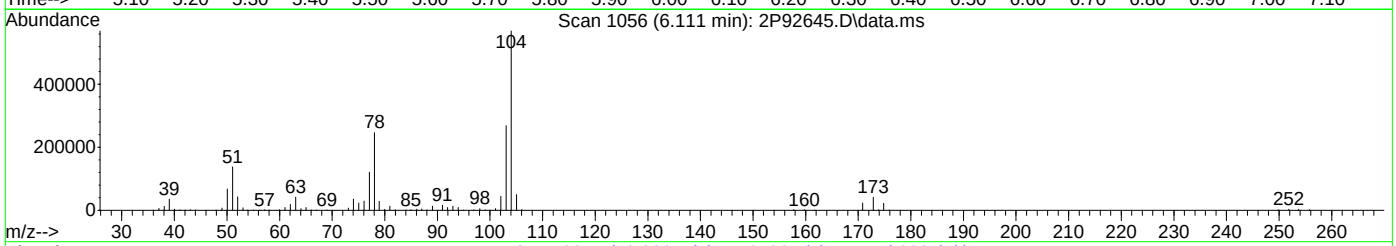
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	72.97
41.00	53.40	50.21
43.10	41.30	43.02

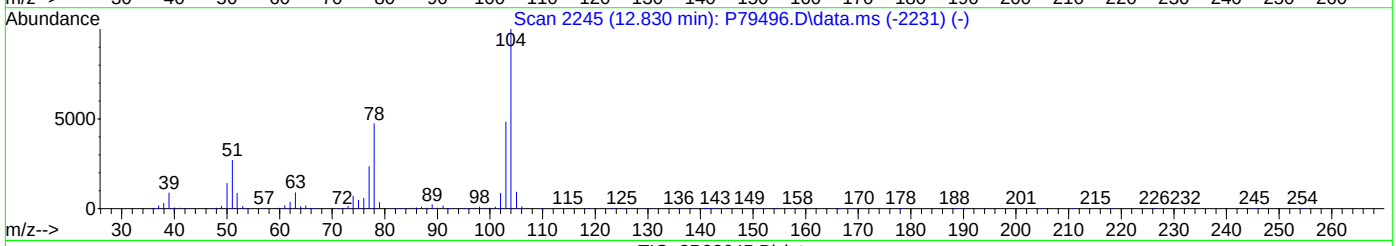
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 02:25:13 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92645.D\data.ms

(82) Styrene ( )

6.111min (+0.002) 43.55ug/L

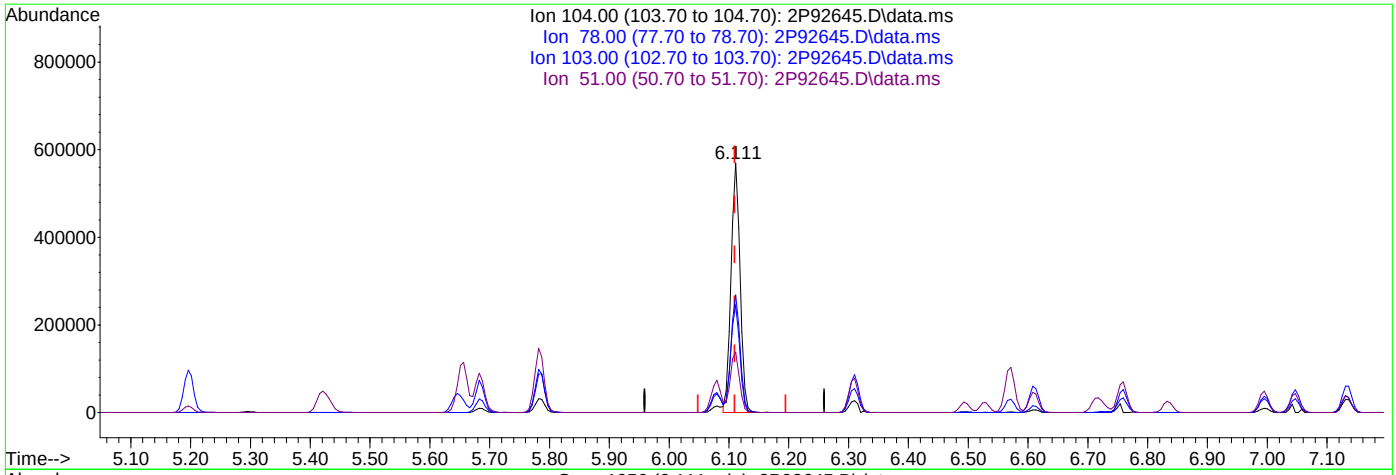
response 621249

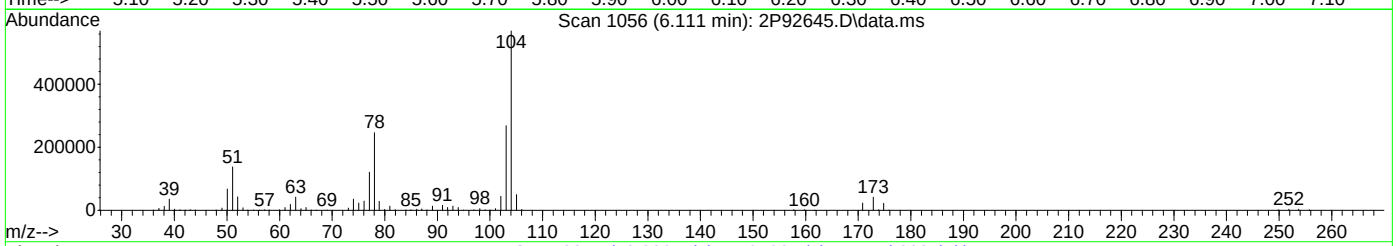
Ion	Exp%	Act%
104.00	100	100
78.00	43.70	43.14
103.00	48.00	47.10
51.00	24.10	24.14

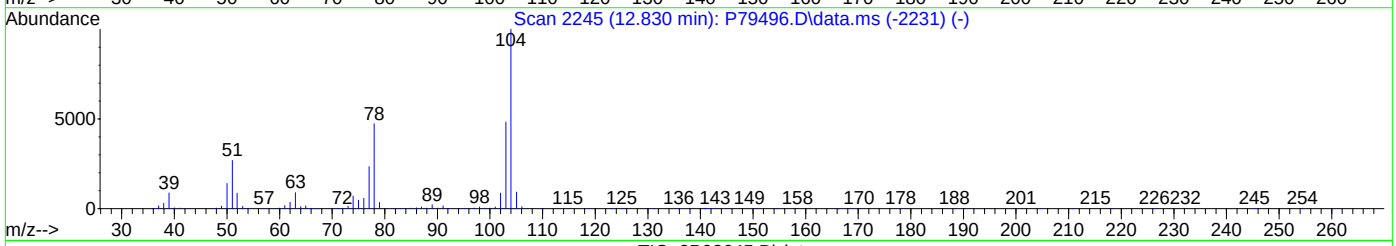
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-02-2022\V2P3567\
Data File : 2P92645.D
Acq On : 2 Sep 2022 12:50 am
Operator : courtnef
Sample : ECC3560-5
Misc : MS52312,V2P3567,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 02 02:25:13 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92645.D\data.ms

(82) Styrene ( )

6.111min (+0.002) 42.20ug/L m

response 601977

Ion	Exp%	Act%
104.00	100	100
78.00	43.70	43.14
103.00	48.00	47.10
51.00	24.10	24.14

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:43:20 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.723	96	1185534	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.642	117	897620	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.331	152	432831	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.268	113	260809	51.76	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.52%			
49) 1,2-Dichloroethane-d4	3.551	65	352081	50.31	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.62%			
63) Toluene-d8	4.649	98	1167247	47.26	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.52%			
86) 4-Bromofluorobenzene	6.494	174	330825	49.00	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.125	85	204870	62.60	ug/L	100
3) Chloromethane	1.250	50	187480	51.85	ug/L	93
4) 1,3-butadiene	1.318	39	104715	31.16	ug/L	97
5) Vinyl Chloride	1.308	62	239130	54.26	ug/L	100
6) Bromomethane	1.512	94	104930	38.47	ug/L	97
7) Chloroethane	1.585	64	61951	44.09	ug/L	96
8) Trichlorofluoromethane	1.674	101	235037	65.74	ug/L	100
9) Ethyl Ether	1.883	59	187310	45.42	ug/L	98
10) Ethanol	1.972	45	109933	949.66	ug/L	97
11) 1,2-Dichlorotrifluoroe...	1.977	67	181669	47.08	ug/L	98
12) 1,1-Dichloroethene	1.982	61	262111	46.51	ug/L	98
13) Freon 113	2.019	101	166739	45.68	ug/L	96
14) Carbon Disulfide	2.003	76	423955	43.20	ug/L	98
15) Iodomethane	2.061	142	105167	41.76	ug/L	97
16) Acrolein	2.160	56	362462	240.28	ug/L	99
17) Allyl chloride	2.249	41	168963	41.68	ug/L	95
18) Methylene Chloride	2.306	49	246698	41.76	ug/L	97
19) Acetone	2.322	43	588407	218.37	ug/L	99
20) Methyl acetate	2.401	43	1335245	242.06	ug/L	99
21) trans-1,2-Dichloroethene	2.406	61	261685	45.84	ug/L	94
22) Hexane	2.468	56	137948	46.80	ug/L	98
23) Methyl Tert Butyl Ether	2.474	73	603117	46.35	ug/L	90
24) Tert Butyl Alcohol	2.510	59	742456	461.36	ug/L	99
25) Acetonitrile	2.557	41	364034	398.79	ug/L	99
26) Di-isopropyl ether	2.688	45	569799	47.16	ug/L	97
27) Chloroprene	2.730	53	763083	44.34	ug/L	99
28) 1,1-Dichloroethane	2.730	63	344469	45.89	ug/L	98
29) Acrylonitrile	2.730	52	603983	221.97	ug/L	99
30) ETBE	2.887	59	661565	46.74	ug/L	98
31) Vinyl acetate	2.861	43	2151981	221.04	ug/L	99
32) cis-1,2-Dichloroethene	3.023	96	203215	45.39	ug/L	99
33) 2,2-Dichloropropane	3.085	77	272070	44.61	ug/L	100
34) Bromochloromethane	3.127	128	91733	45.32	ug/L	96
35) Cyclohexane	3.164	56	336817	46.26	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:43:20 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.169	83	352198	46.75	ug/L		96
37) Ethyl acetate	3.227	43	1668115	226.53	ug/L		99
38) Tetrahydrofuran	3.258	42	133458	47.47	ug/L		95
40) Carbon Tetrachloride	3.268	117	218696m	45.08	ug/L		
41) 1,1,1-Trichloroethane	3.295	97	303973	45.46	ug/L		99
42) 2-Butanone	3.315	43	1006551	220.12	ug/L		98
43) 1,1-Dichloropropene	3.368	75	263737	46.65	ug/L		96
44) tert-Butyl formate	3.410	59	775480	227.96	ug/L		98
45) Propionitrile	3.462	54	642009	442.98	ug/L		99
46) Methacrylonitrile	3.483	41	1727009	446.09	ug/L		98
47) Benzene	3.498	78	834080	46.22	ug/L		83
48) TAME	3.566	73	608442	47.28	ug/L		99
50) Isobutyl alcohol	3.587	43	709989m	957.60	ug/L		
51) 1,2-Dichloroethane	3.592	62	288808	44.71	ug/L		98
52) Tert Amyl Alcohol	3.650	59	622859	453.85	ug/L		99
53) Trichloroethene	3.828	95	207074	44.59	ug/L		98
54) Methylcyclohexane	3.849	83	303746	46.92	ug/L		97
55) Dibromomethane	4.053	93	118371	46.40	ug/L		90
56) 1,2-Dichloropropane	4.110	63	204250	46.59	ug/L		99
57) Bromodichloromethane	4.147	83	223487	44.85	ug/L		99
58) Methyl methacrylate	4.236	41	217776	43.02	ug/L		96
59) 1,4-Dioxane	4.256	88	129822	942.41	ug/L		98
60) 2-Chloroethyl vinyl ether	4.481	63	808540	221.72	ug/L		98
61) cis-1,3-Dichloropropene	4.523	75	289684	44.98	ug/L		100
64) Toluene	4.680	91	895181	42.24	ug/L		99
65) 2-Nitropropane	4.779	41	366909	208.44	ug/L		98
66) 4-Methyl-2-pentanone	4.889	43	1711854	209.39	ug/L		99
67) trans-1,3-Dichloropropene	4.920	75	266469	42.35	ug/L		86
68) Tetrachloroethene	4.936	166	199013	44.22	ug/L		98
69) Ethyl methacrylate	5.030	69	308474	40.28	ug/L		97
70) 1,1,2-Trichloroethane	5.020	83	156700	43.22	ug/L		97
71) Dibromochloromethane	5.145	129	171123	43.58	ug/L		96
72) 1,3-Dichloropropane	5.197	76	342300	42.47	ug/L		97
73) 1,2-Dibromoethane	5.297	107	193772	44.22	ug/L		92
74) 3,3-dimethyl-1-butanol	5.417	57	3977572	2176.94	ug/L		99
75) 2-hexanone	5.433	43	1992965	217.13	ug/L	#	77
76) 1-Chlorohexane	5.652	91	273596m	40.48	ug/L		
77) Ethylbenzene	5.684	91	1013902	43.63	ug/L		99
78) Chlorobenzene	5.658	112	546856	43.09	ug/L		95
79) 1,1,1,2-Tetrachloroethane	5.699	131	176720	43.04	ug/L		97
80) m,p-Xylene	5.783	91	1592453	86.64	ug/L		100
81) o-Xylene	6.081	91	783430	43.31	ug/L		99
82) Styrene	6.112	104	619859	44.80	ug/L		97
83) Bromoform	6.118	173	94076	43.57	ug/L		97
84) Isopropylbenzene	6.311	105	925284	44.33	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.525	53	95556	37.91	ug/L		93
88) n-Propylbenzene	6.609	91	1089131	41.01	ug/L		100
89) Bromobenzene	6.572	156	225969	42.09	ug/L		88
90) 1,1,2,2-Tetrachloroethane	6.630	83	299642	41.82	ug/L		97
91) 1,3,5-Trimethylbenzene	6.755	105	772463	41.78	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:43:20 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

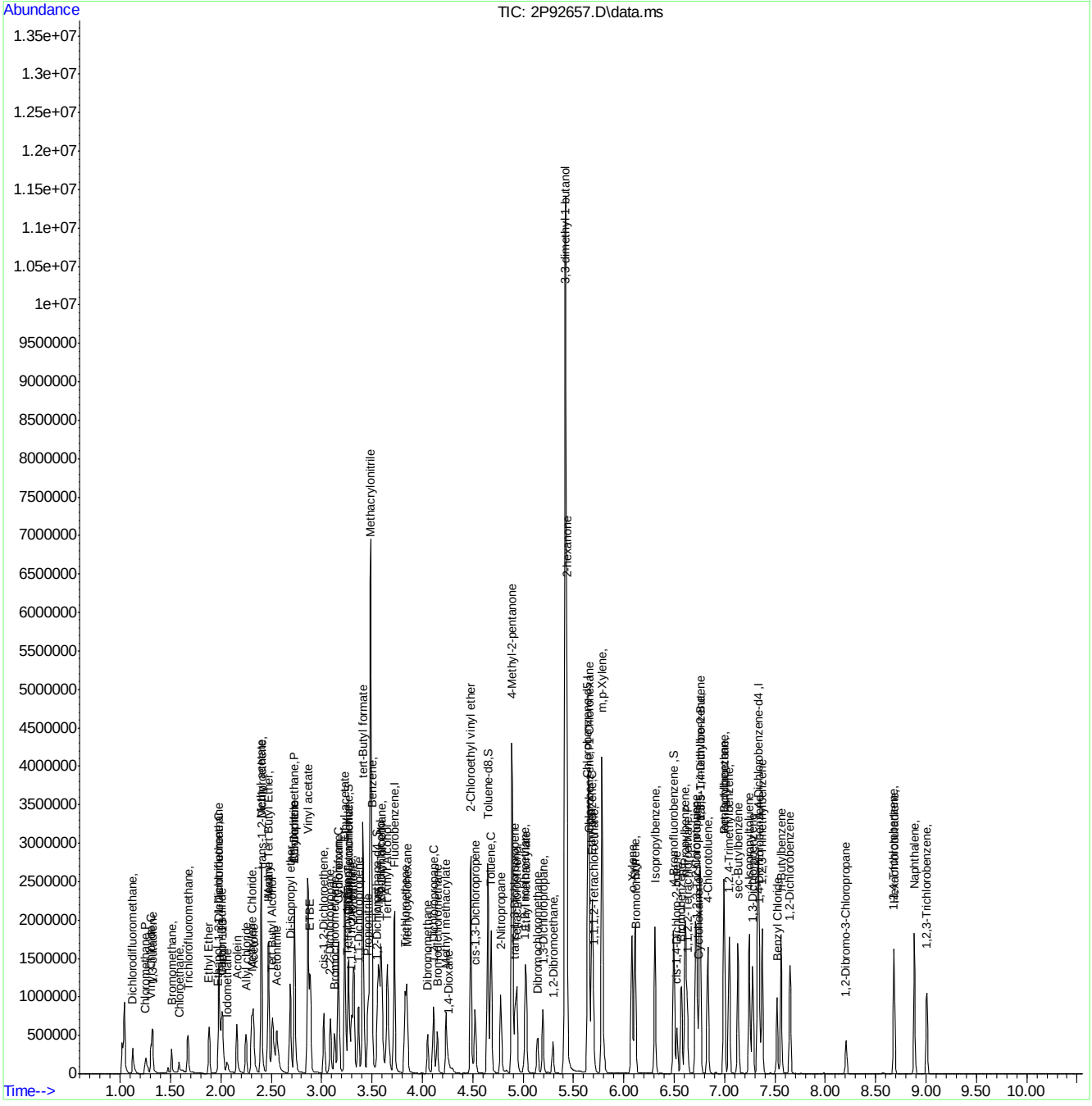
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.714	91	650682	40.60	ug/L		100
93)	trans-1,4-Dichloro-2-B...	6.755	53	124738	40.63	ug/L		97
94)	1,2,3-Trichloropropane	6.724	110	109330	40.92	ug/L		97
95)	Cyclohexanone	6.745	55	120020	214.52	ug/L		97
96)	4-Chlorotoluene	6.834	91	682230	40.39	ug/L		98
97)	tert-Butylbenzene	6.996	91	420010	41.37	ug/L		97
99)	1,2,4-Trimethylbenzene	7.043	105	748659	41.51	ug/L		99
100)	Pentachloroethane	6.996	167	98420	41.71	ug/L		96
101)	sec-Butylbenzene	7.132	105	832050	42.32	ug/L		99
102)	4-Isopropyltoluene	7.247	119	744478	41.58	ug/L		99
103)	1,3-Dichlorobenzene	7.278	146	405632	42.05	ug/L		99
104)	1,2,3-Trimethylbenzene	7.372	105	749712	41.44	ug/L		100
105)	1,4-Dichlorobenzene	7.346	146	414612	41.14	ug/L		93
106)	n-Butylbenzene	7.561	92	366438	41.75	ug/L		97
107)	Benzyl Chloride	7.524	126	93109	40.48	ug/L	#	90
108)	1,2-Dichlorobenzene	7.649	146	375301	41.45	ug/L		99
109)	1,2-Dibromo-3-Chloropr...	8.204	75	71348	41.44	ug/L		93
110)	Hexachlorobutadiene	8.685	225	73837	43.37	ug/L		95
111)	1,2,4-Trichlorobenzene	8.679	180	208621	43.32	ug/L		98
112)	Naphthalene	8.883	128	852504	41.38	ug/L		99
113)	1,2,3-Trichlorobenzene	9.009	180	196735	43.52	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:43:20 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

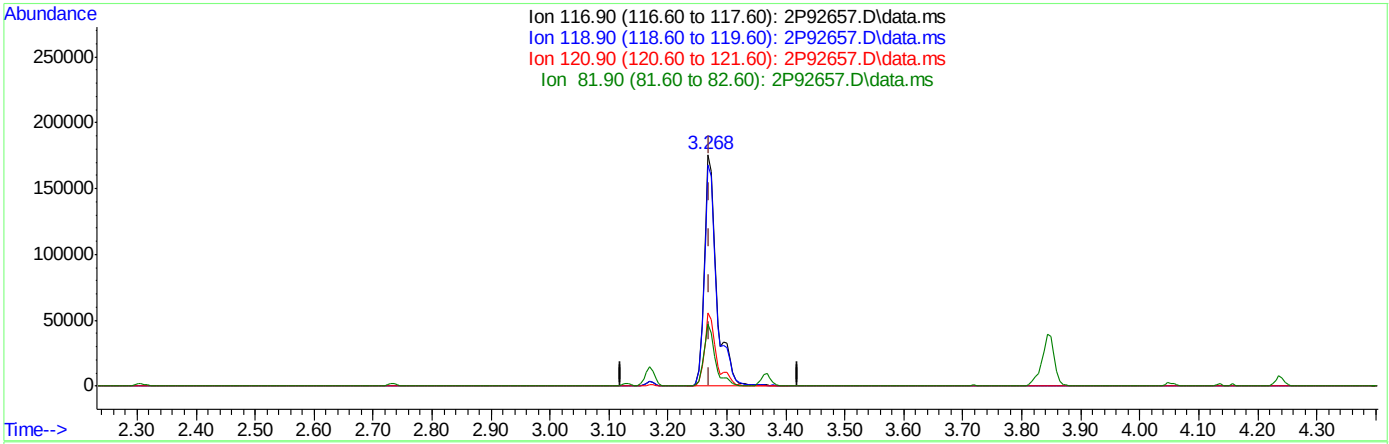
Sample Number: V2P3568-CC3560
Lab FileID: 2P92657.D
Injection Time: 09/06/22 11:31
Method: SW846 8260D
Analyst approved: 09/06/22 11:48 Courtney Failla
Supervisor approved: 09/07/22 12:11 Karen Watson

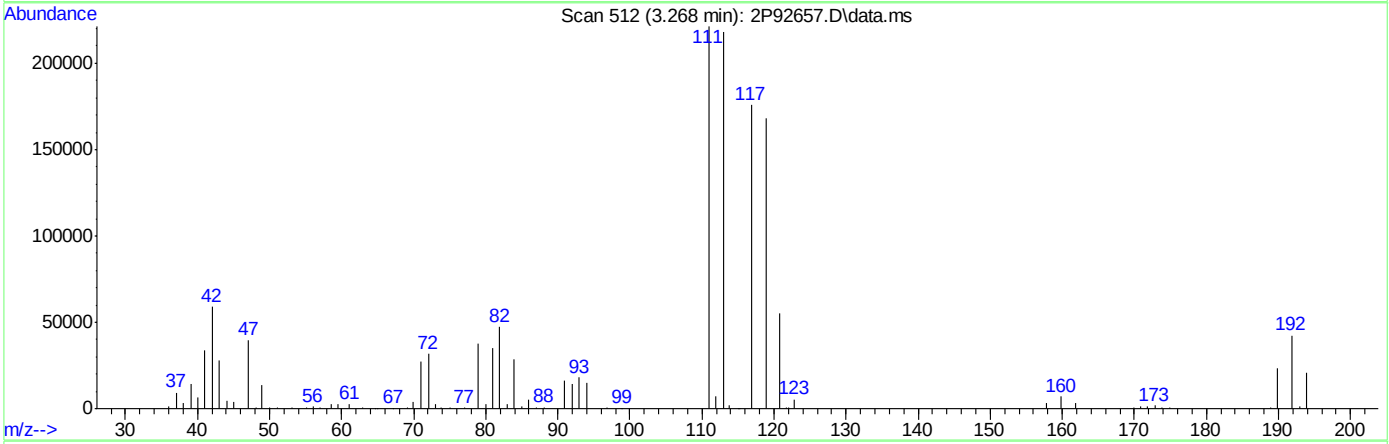
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (-0.002) 51.64ug/L

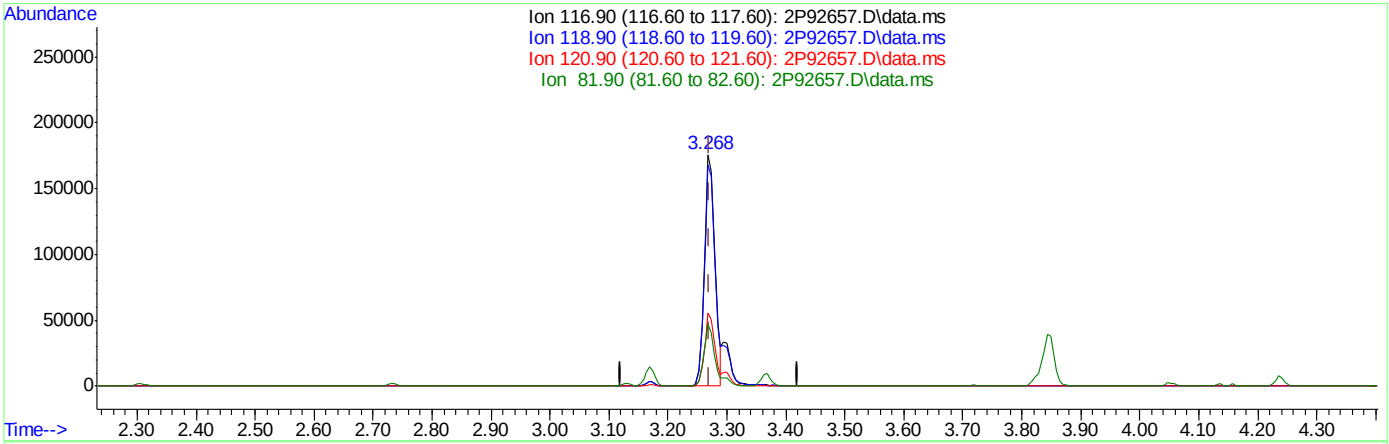
response 255656

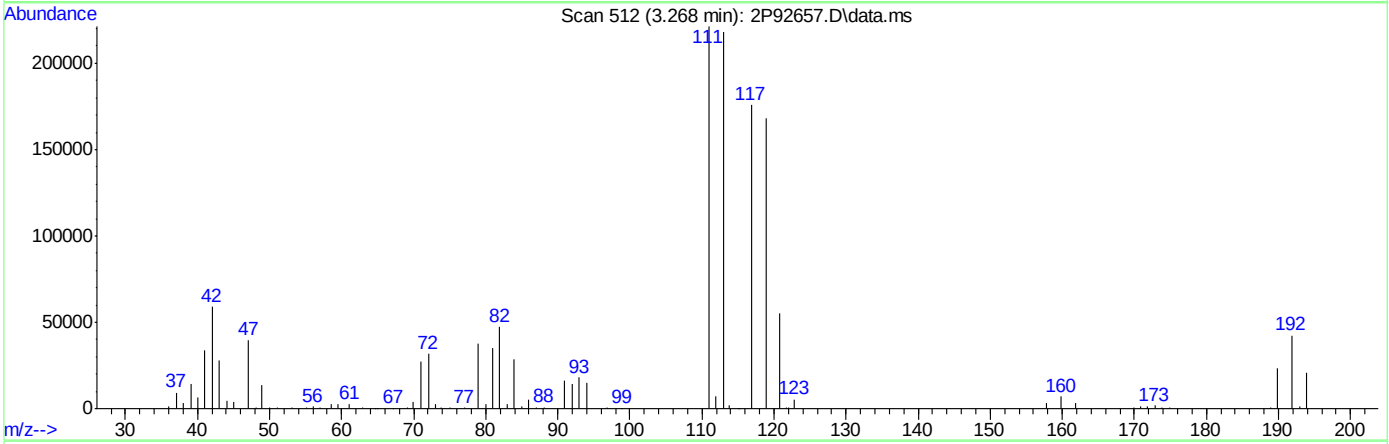
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	95.49
120.90	29.50	31.45
81.90	28.30	26.68

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (-0.002) 45.08ug/L m

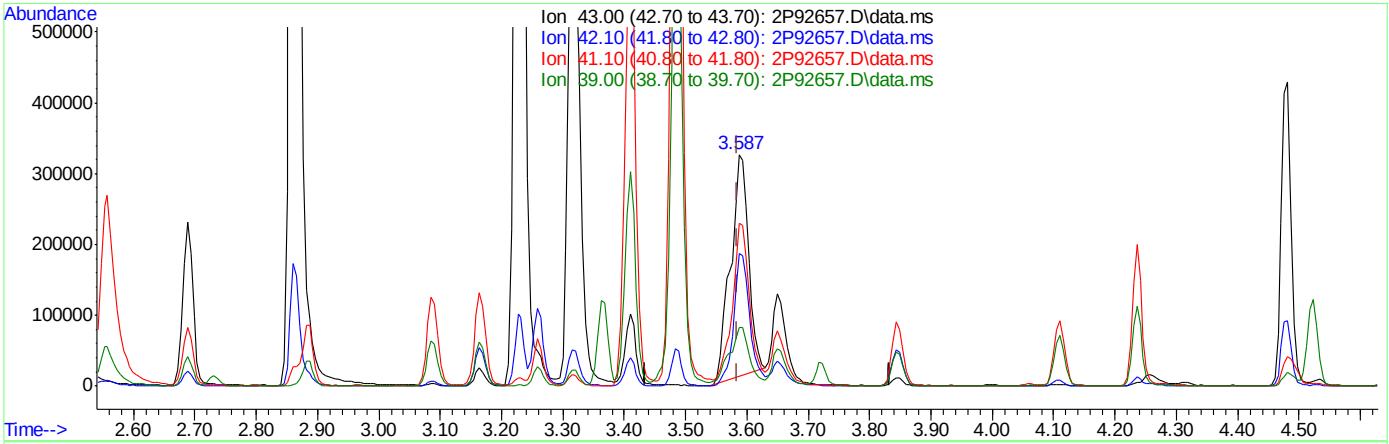
response 218696

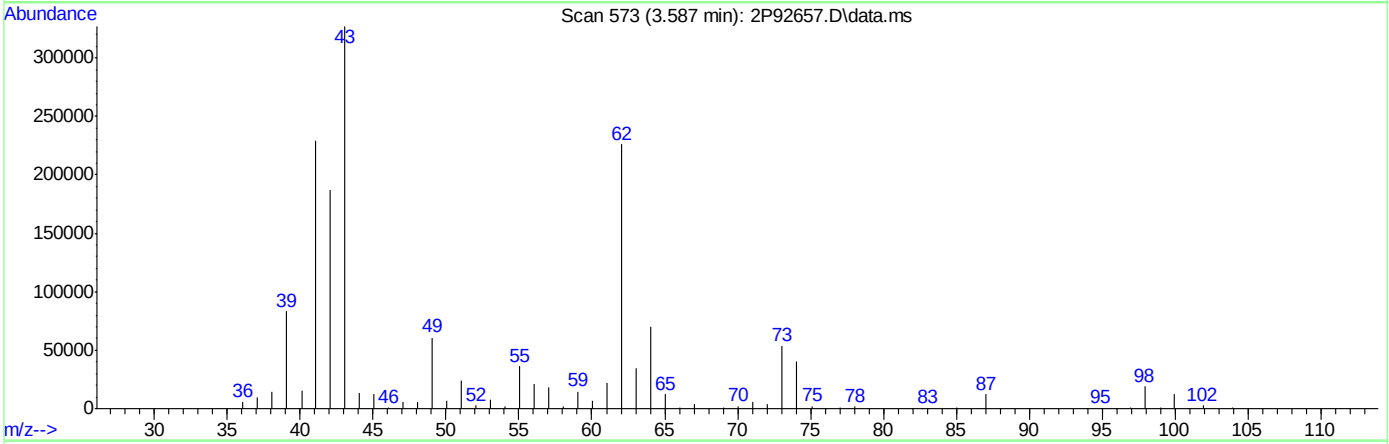
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	95.49
120.90	29.50	31.45
81.90	28.30	26.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(50) Isobutyl alcohol

3.587min (+0.003) 862.67ug/L

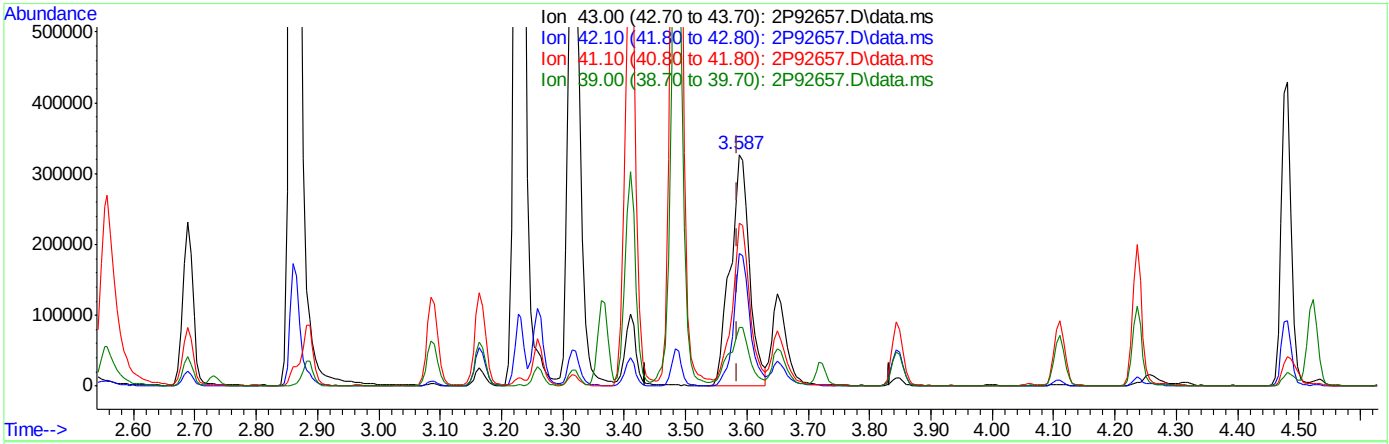
response 639605

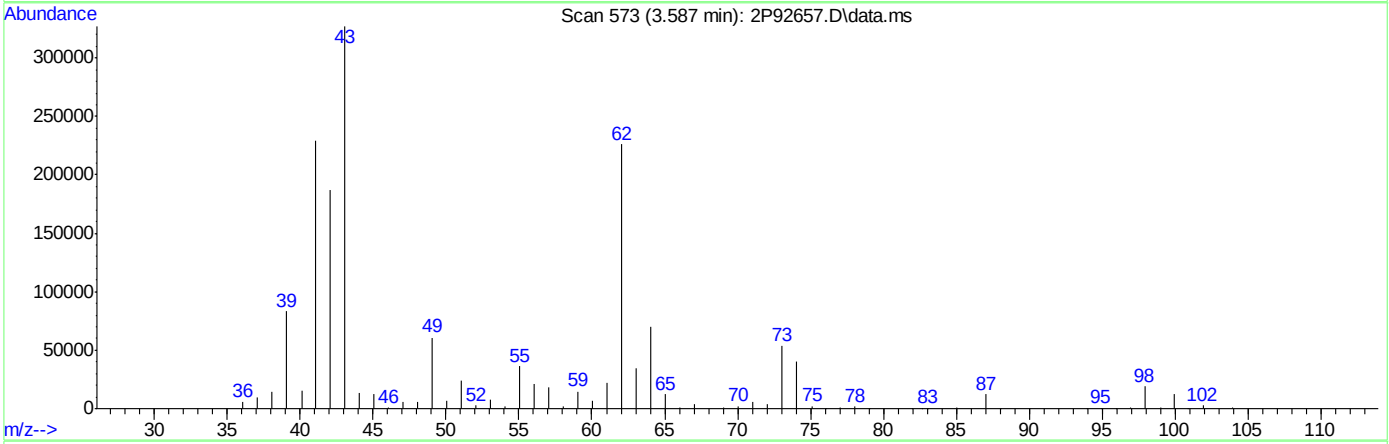
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.18
41.10	70.00	67.34
39.00	27.50	23.68

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(50) Isobutyl alcohol

3.587min (+0.003) 957.60ug/L m

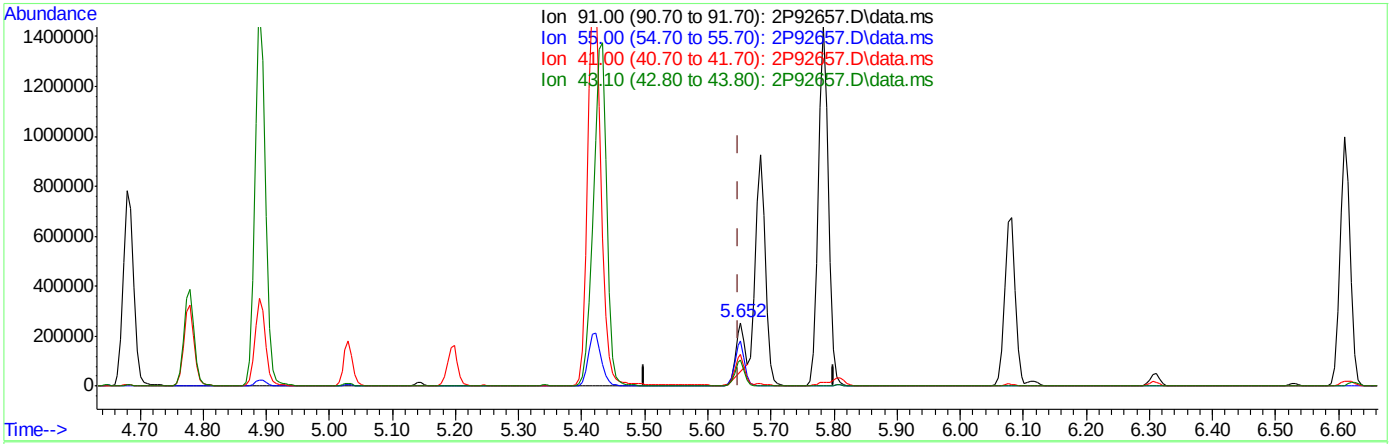
response 709989

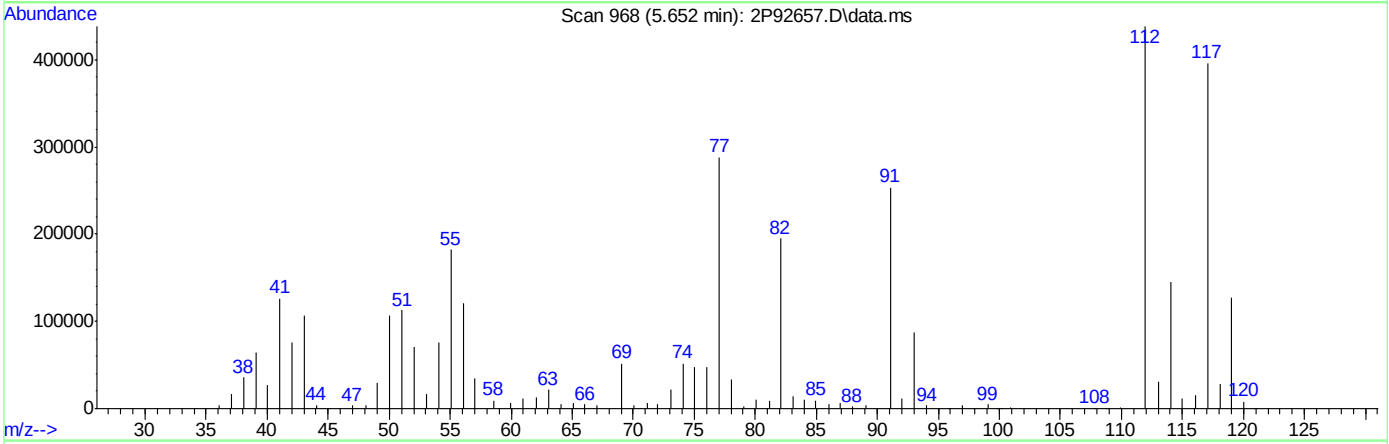
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	57.28
41.10	70.00	70.16
39.00	27.50	25.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(76) 1-Chlorohexane

5.652min (+0.003) 27.78ug/L

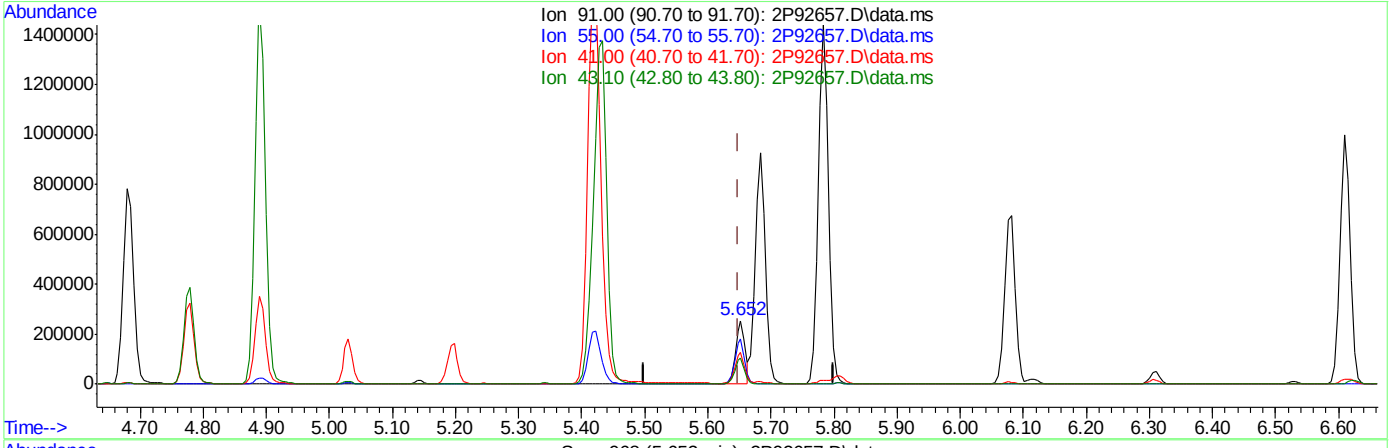
response 187758

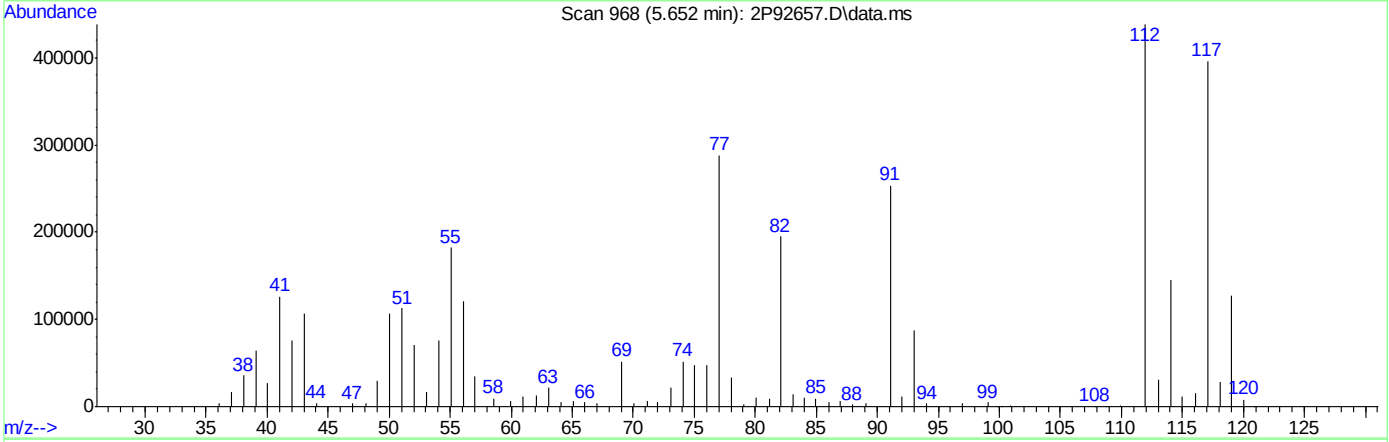
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	69.72
41.00	53.40	47.68
43.10	41.30	41.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-06\
Data File : 2P92657.D
Acq On : 6 Sep 2022 11:31 am
Operator : courtnef
Sample : CC3560-5
Misc : MS52204,V2P3568,,,,,
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 06 11:42:46 2022
Quant Method : C:\msdchem\1\METHODS\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration





TIC: 2P92657.D\data.ms

(76) 1-Chlorohexane

5.652min (+0.003) 40.48ug/L m

response 273596

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	71.81
41.00	53.40	49.81
43.10	41.30	42.26

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 12:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 02:20:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.721	96	1158151	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.645	117	926208	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	451879	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.266	113	252908	51.38	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.76%			
49) 1,2-Dichloroethane-d4	3.553	65	354300	51.82	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.64%			
63) Toluene-d8	4.651	98	1172100	45.99	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 91.98%			
86) 4-Bromofluorobenzene	6.497	174	345356	49.00	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.122	85	198639	62.13	ug/L	99
3) Chloromethane	1.248	50	189837	53.74	ug/L	97
4) 1,3-butadiene	1.316	39	141859	43.21	ug/L	97
5) Vinyl Chloride	1.300	62	236243	54.88	ug/L	98
6) Bromomethane	1.504	94	114366	42.92	ug/L	96
7) Chloroethane	1.583	64	64224	47.02	ug/L	97
8) Trichlorofluoromethane	1.666	101	241156	77.46	ug/L	97
9) Ethyl Ether	1.881	59	184086	45.69	ug/L	97
10) Ethanol	1.969	45	113331	1011.84	ug/L	99
11) 1,2-Dichlorotrifluoroe...	1.975	67	177742	47.15	ug/L	99
12) 1,1-Dichloroethene	1.980	61	254026	46.14	ug/L	98
13) Freon 113	2.011	101	161963	45.44	ug/L	97
14) Carbon Disulfide	2.001	76	379641	40.07	ug/L	96
15) Iodomethane	2.058	142	143548	55.27	ug/L	96
16) Acrolein	2.152	56	310368	210.61	ug/L	100
17) Allyl chloride	2.246	41	162829	41.12	ug/L	95
18) Methylene Chloride	2.299	49	246008	42.72	ug/L	97
19) Acetone	2.320	43	579125	220.06	ug/L	100
20) Methyl acetate	2.398	43	1320805	245.11	ug/L	100
21) trans-1,2-Dichloroethene	2.403	61	254298	45.60	ug/L	96
22) Hexane	2.466	56	123208	43.32	ug/L	99
23) Methyl Tert Butyl Ether	2.471	73	588980	46.34	ug/L	87
24) Tert Butyl Alcohol	2.508	59	701259	446.07	ug/L	97
25) Acetonitrile	2.555	41	380838	427.06	ug/L	98
26) Di-isopropyl ether	2.686	45	557885	47.27	ug/L	98
27) Chloroprene	2.727	53	766350	45.59	ug/L	99
28) 1,1-Dichloroethane	2.727	63	337219	45.98	ug/L	99
29) Acrylonitrile	2.727	52	602724	226.74	ug/L	99
30) ETBE	2.884	59	646893	46.78	ug/L	98
31) Vinyl acetate	2.858	43	2077018	218.38	ug/L	99
32) cis-1,2-Dichloroethene	3.020	96	196611	44.95	ug/L	96
33) 2,2-Dichloropropane	3.088	77	205033	35.41	ug/L	99
34) Bromochloromethane	3.130	128	87130	44.07	ug/L	93
35) Cyclohexane	3.161	56	327916	46.12	ug/L	96
36) Chloroform	3.167	83	343208	46.63	ug/L	98
37) Ethyl acetate	3.229	43	1667254	231.76	ug/L	99
38) Tetrahydrofuran	3.255	42	129613	47.19	ug/L	97
40) Carbon Tetrachloride	3.271	117	202657m	43.04	ug/L	
41) 1,1,1-Trichloroethane	3.297	97	291367	44.68	ug/L	97
42) 2-Butanone	3.318	43	986028	220.73	ug/L	100
43) 1,1-Dichloropropene	3.365	75	254107	46.01	ug/L	97
44) tert-Butyl formate	3.407	59	718844	218.03	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 02:20:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.459	54	654547	462.31	ug/L		98
46)	Methacrylonitrile	3.486	41	1803673	476.91	ug/L		98
47)	Benzene	3.496	78	814195	46.19	ug/L		90
48)	TAME	3.569	73	596771	47.47	ug/L		100
50)	Isobutyl alcohol	3.590	43	713786m	985.49	ug/L		
51)	1,2-Dichloroethane	3.590	62	285229	45.20	ug/L		99
52)	Tert Amyl Alcohol	3.653	59	571679	427.24	ug/L		96
53)	Trichloroethene	3.825	95	201477	44.41	ug/L		98
54)	Methylcyclohexane	3.846	83	289215	45.88	ug/L		99
55)	Dibromomethane	4.050	93	114680	46.01	ug/L		95
56)	1,2-Dichloropropane	4.108	63	202242	47.23	ug/L		98
57)	Bromodichloromethane	4.144	83	207504	42.92	ug/L		99
58)	Methyl methacrylate	4.233	41	228293	45.84	ug/L		93
59)	1,4-Dioxane	4.259	88	120312	894.02	ug/L		97
60)	2-Chloroethyl vinyl ether	4.479	63	784146	220.11	ug/L		98
61)	cis-1,3-Dichloropropene	4.521	75	265609	42.55	ug/L		98
64)	Toluene	4.683	91	873021	39.92	ug/L		100
65)	2-Nitropropane	4.777	41	285318	164.46	ug/L		97
66)	4-Methyl-2-pentanone	4.892	43	1725666	204.57	ug/L		99
67)	trans-1,3-Dichloropropene	4.918	75	242958	37.87	ug/L		85
68)	Tetrachloroethene	4.939	166	221463	47.68	ug/L		97
69)	Ethyl methacrylate	5.033	69	332682	41.95	ug/L		96
70)	1,1,2-Trichloroethane	5.017	83	154144	41.21	ug/L		94
71)	Dibromochloromethane	5.143	129	155692	39.05	ug/L		98
72)	1,3-Dichloropropane	5.195	76	337308	40.56	ug/L		97
73)	1,2-Dibromoethane	5.294	107	192042	42.47	ug/L		97
74)	3,3-dimethyl-1-butanol	5.420	57	3752663	1991.88	ug/L		99
75)	2-hexanone	5.430	43	1949445	205.83	ug/L		90
76)	1-Chlorohexane	5.650	91	279574m	40.09	ug/L		
77)	Ethylbenzene	5.681	91	963135	40.16	ug/L		98
78)	Chlorobenzene	5.655	112	528435	40.36	ug/L		97
79)	1,1,1,2-Tetrachloroethane	5.697	131	170881	40.58	ug/L		97
80)	m,p-Xylene	5.781	91	1533297	80.85	ug/L		100
81)	o-Xylene	6.079	91	761366	40.79	ug/L		99
82)	Styrene	6.110	104	605955	42.44	ug/L		97
83)	Bromoform	6.120	173	78745	36.56	ug/L		98
84)	Isopropylbenzene	6.309	105	898904	41.74	ug/L		99
87)	cis-1,4-Dichloro-2-butene	6.528	53	55671	22.50	ug/L		95
88)	n-Propylbenzene	6.612	91	1055863	38.08	ug/L		98
89)	Bromobenzene	6.570	156	217692	38.84	ug/L		98
90)	1,1,2,2-Tetrachloroethane	6.628	83	291570	38.98	ug/L		99
91)	1,3,5-Trimethylbenzene	6.758	105	743013	38.49	ug/L		98
92)	2-Chlorotoluene	6.711	91	634415	37.92	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.758	53	83171	25.95	ug/L		91
94)	1,2,3-Trichloropropane	6.727	110	108506	38.90	ug/L		96
95)	Cyclohexanone	6.743	55	116689	199.78	ug/L		96
96)	4-Chlorotoluene	6.837	91	659021	37.37	ug/L		100
97)	tert-Butylbenzene	6.994	91	409327	38.62	ug/L		98
99)	1,2,4-Trimethylbenzene	7.046	105	727112	38.62	ug/L		99
100)	Pentachloroethane	6.999	167	76023	32.11	ug/L	#	57
101)	sec-Butylbenzene	7.135	105	805152	39.22	ug/L		99
102)	4-Isopropyltoluene	7.244	119	717866	38.68	ug/L		99
103)	1,3-Dichlorobenzene	7.276	146	385203	38.25	ug/L		97
104)	1,2,3-Trimethylbenzene	7.375	105	727943	38.54	ug/L		99
105)	1,4-Dichlorobenzene	7.344	146	397717	37.80	ug/L		99
106)	n-Butylbenzene	7.563	92	337167	37.20	ug/L		98
107)	Benzyl Chloride	7.522	126	54307	25.20	ug/L	#	87
108)	1,2-Dichlorobenzene	7.652	146	366685	38.79	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 02:20:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration

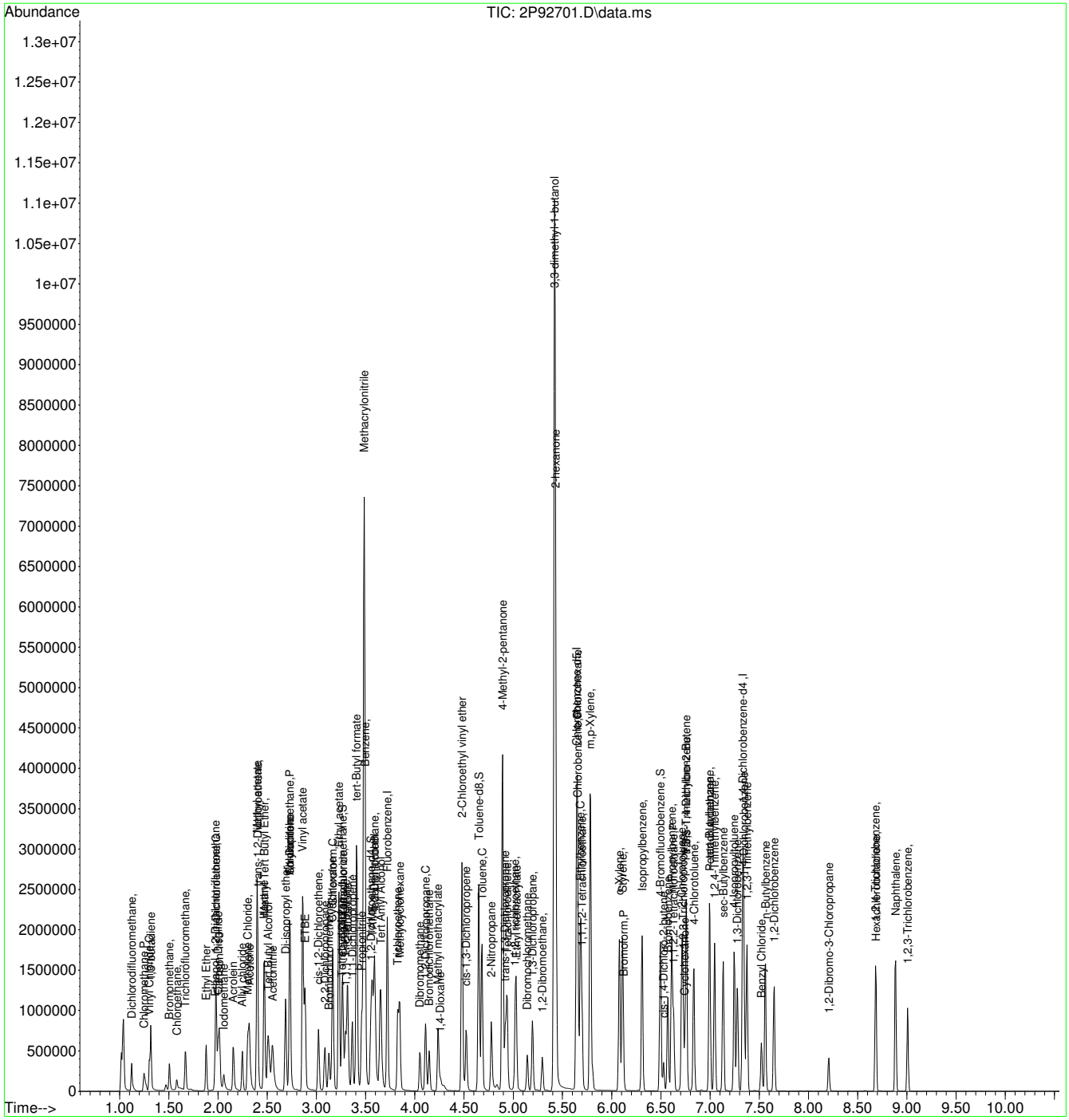
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.206	75	63377	36.01	ug/L	94
110) Hexachlorobutadiene	8.687	225	67404	38.42	ug/L	98
111) 1,2,4-Trichlorobenzene	8.682	180	196414	39.06	ug/L	98
112) Naphthalene	8.886	128	824198	38.57	ug/L	99
113) 1,2,3-Trichlorobenzene	9.006	180	189125	40.07	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 02:20:03 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



Manual Integration Approval Summary

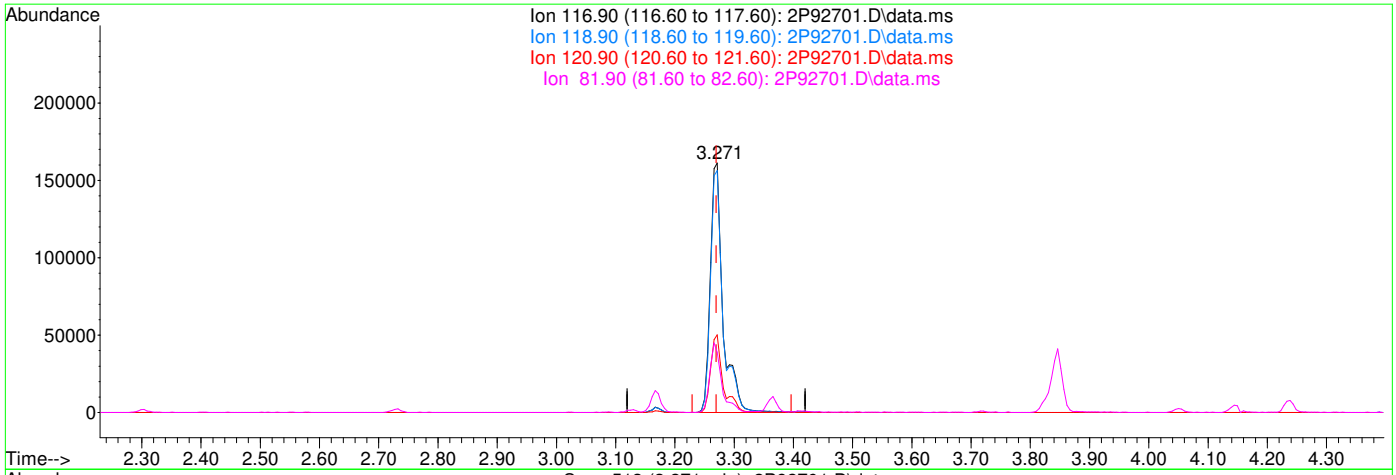
Sample Number: V2P3568-ECC3560 **Method:** SW846 8260D
Lab FileID: 2P92701.D **Analyst approved:** 09/07/22 09:26 Courtney Failla
Injection Time: 09/06/22 23:22 **Supervisor approved:** 09/07/22 12:11 Karen Watson

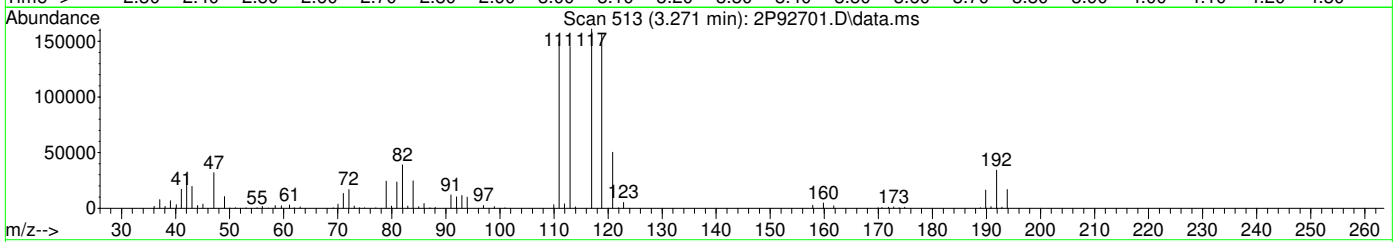
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

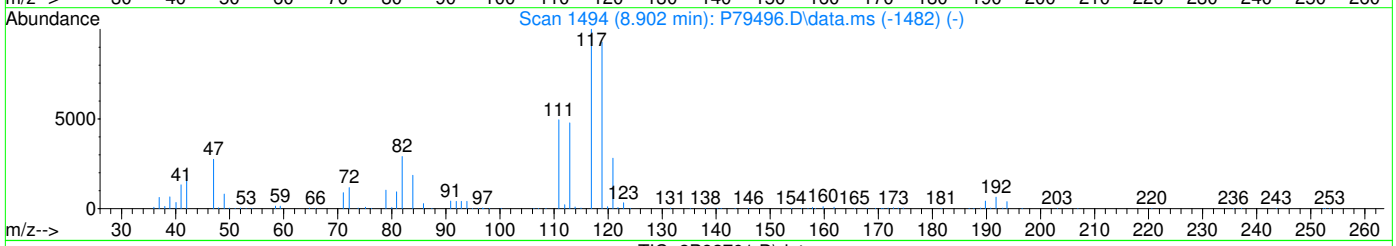
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 01:48:12 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92701.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (+0.001) 49.73ug/L

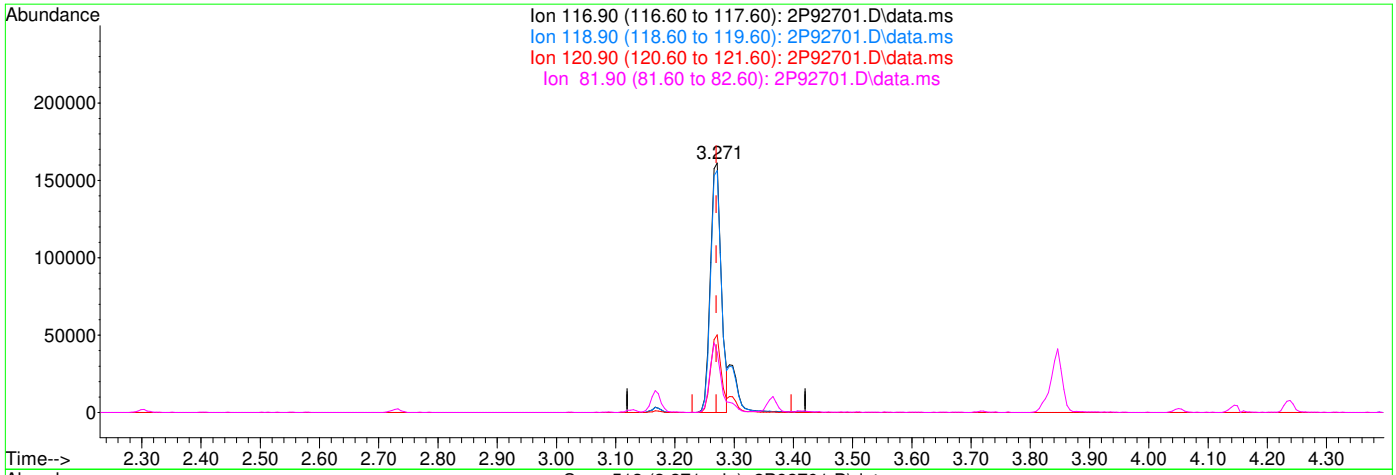
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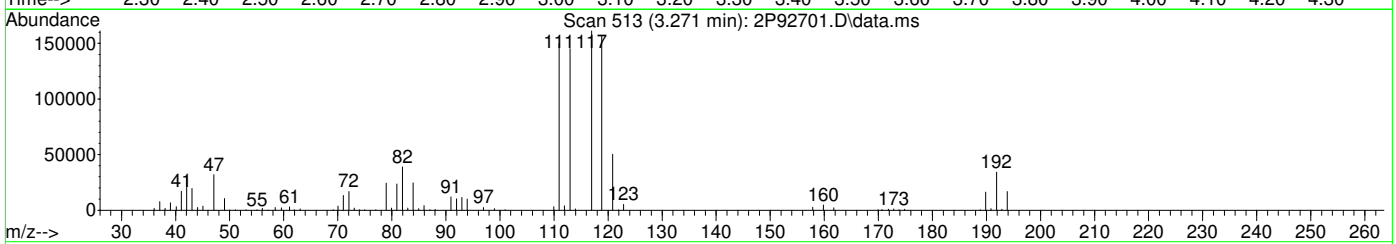
Ion	Exp%	Act%
116.90	100	100
118.90	98.00	96.94
120.90	29.50	31.12
81.90	28.30	23.98

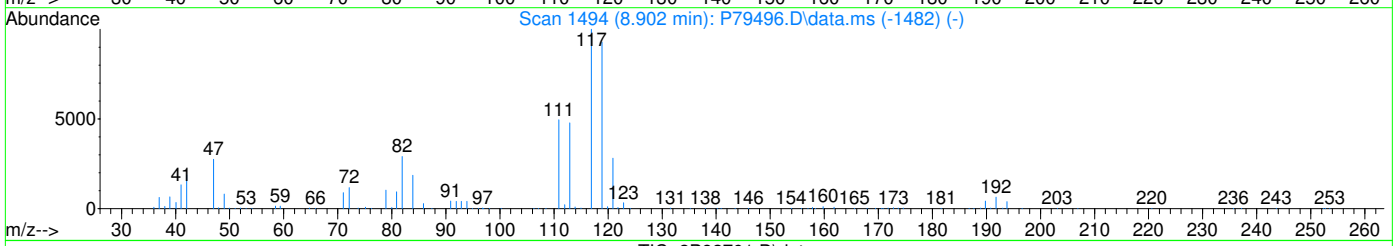
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 01:48:12 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92701.D\data.ms

(40) Carbon Tetrachloride ( )

3.271min (+0.001) 43.04ug/L m

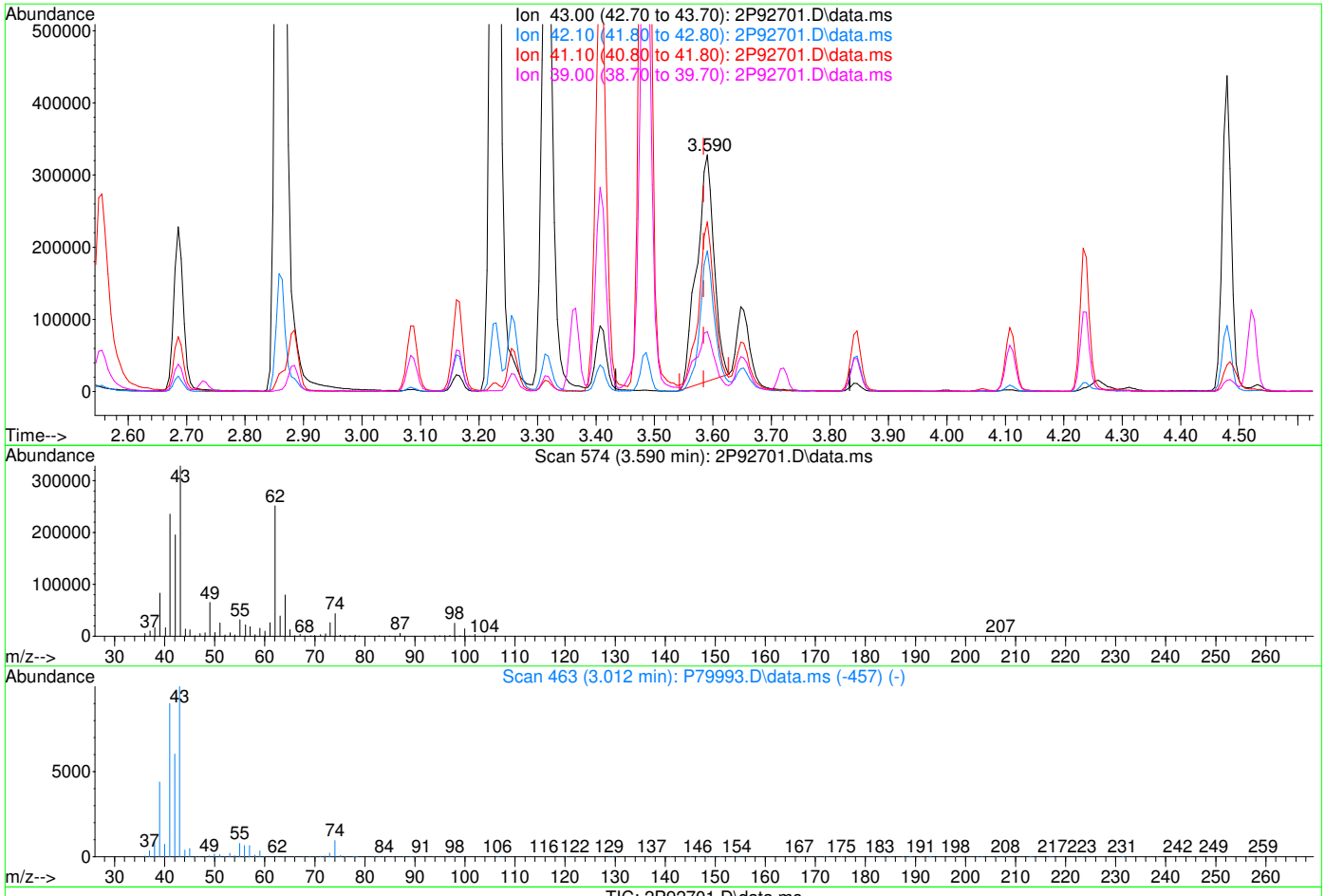
response 202657

Ion	Exp%	Act%
116.90	100	100
118.90	98.00	96.94
120.90	29.50	31.12
81.90	28.30	24.13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 01:48:12 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



TIC: 2P92701.D\data.ms

(50) Isobutyl alcohol

3.590min (+0.006) 898.36ug/L

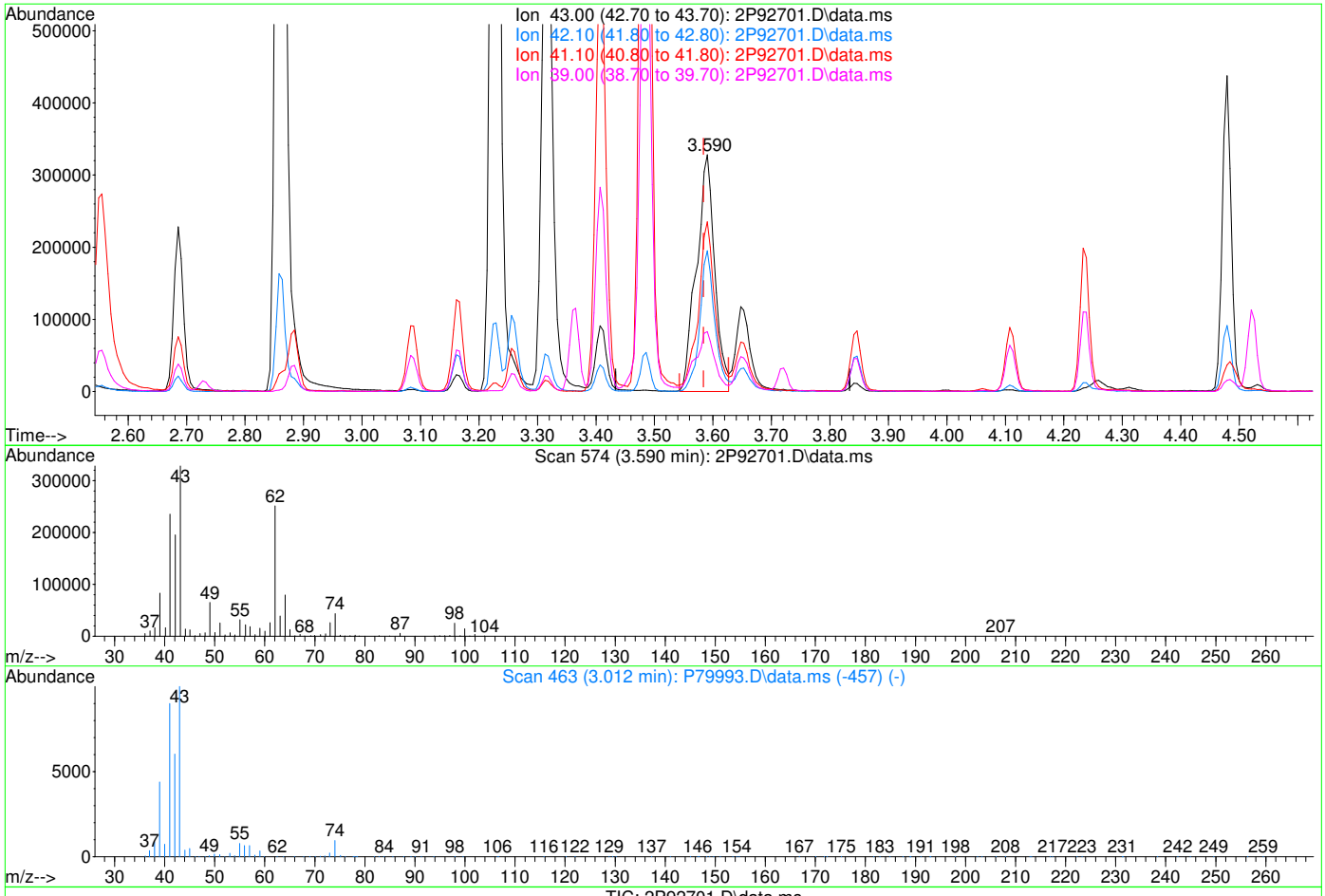
response 650684

Ion	Exp%	Act%
43.00	100	100
42.10	55.40	59.48
41.10	70.00	69.18
39.00	27.50	23.64

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 01:48:12 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration



TIC: 2P92701.D\data.ms

(50) Isobutyl alcohol

3.590min (+0.006) 985.49ug/L m

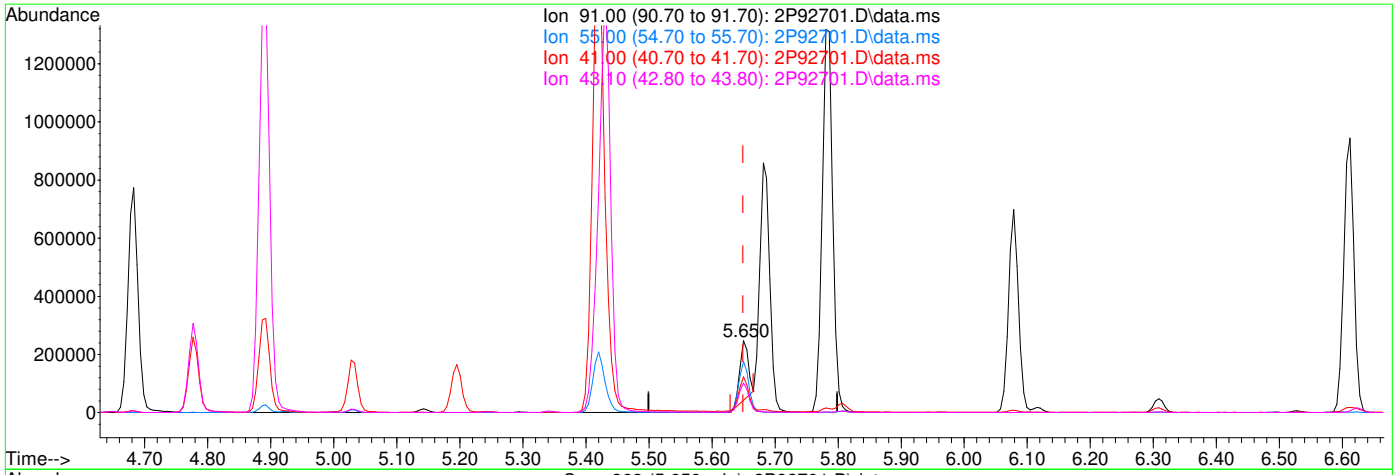
response 713786

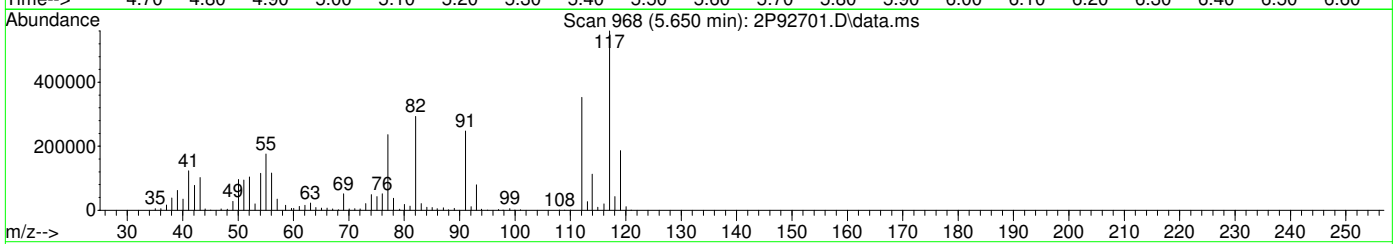
Ion	Exp%	Act%
43.00	100	100
42.10	55.40	59.47
41.10	70.00	71.64
39.00	27.50	25.29

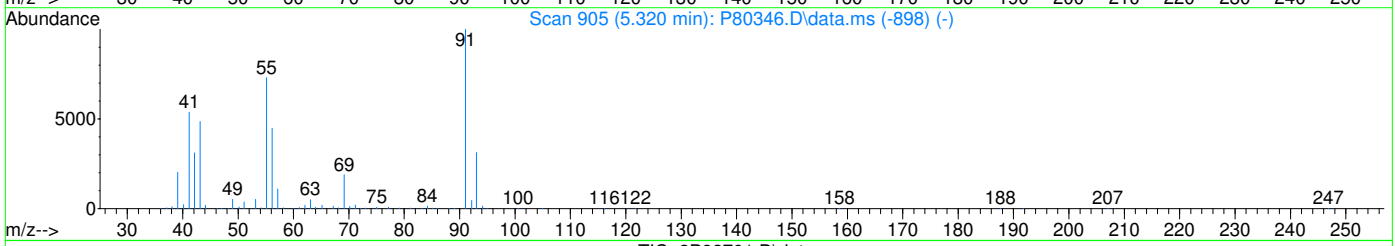
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 01:48:12 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92701.D\data.ms

(76) 1-Chlorohexane

5.650min (+0.001) 28.18ug/L

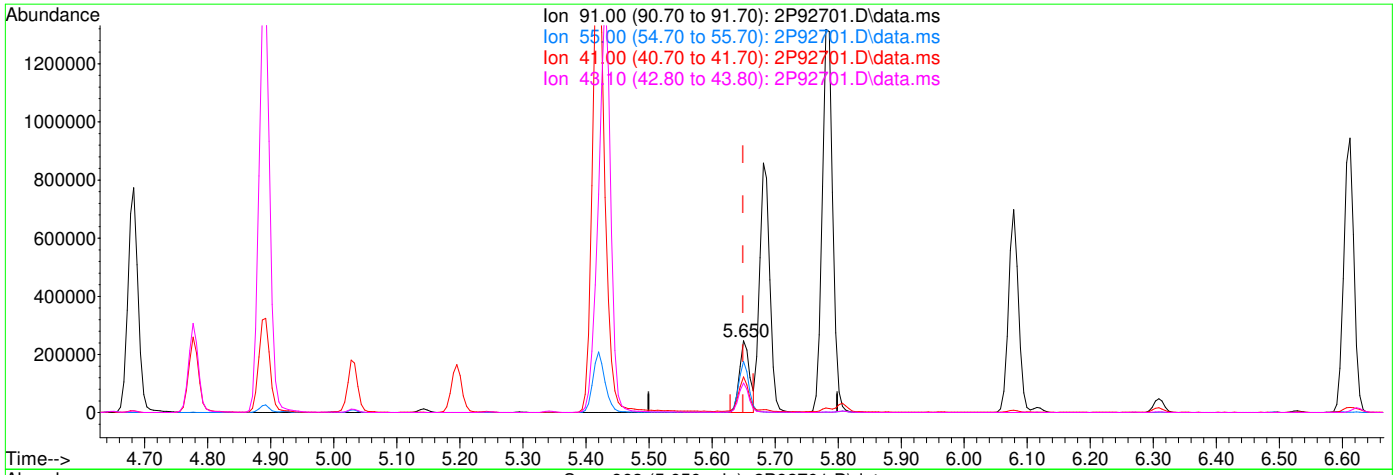
response 196494

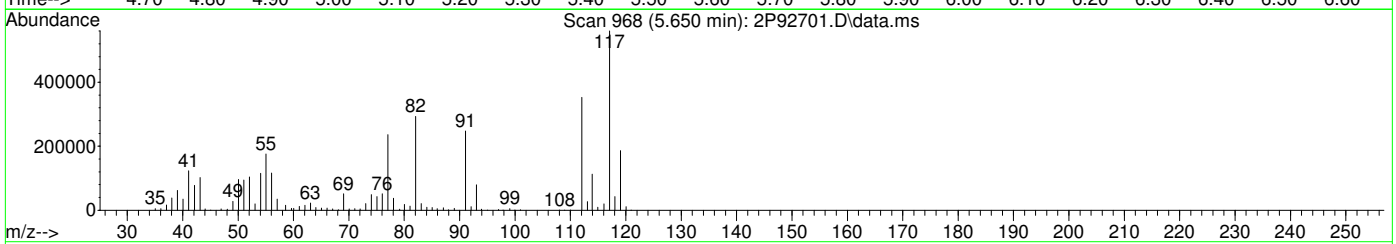
Ion	Exp%	Act%
91.00	100	100
55.00	75.60	70.09
41.00	53.40	47.74
43.10	41.30	40.58

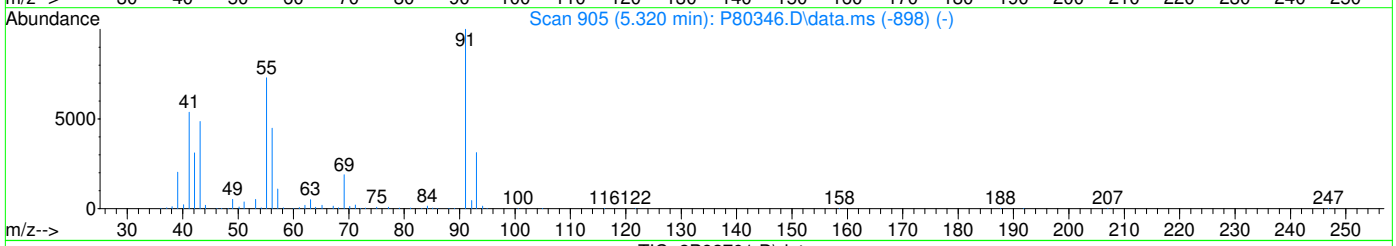
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-07-2022\v2p3568\
Data File : 2P92701.D
Acq On : 6 Sep 2022 11:22 pm
Operator : courtnef
Sample : ECC3560-5
Misc : MS52327,V2P3568,,,,,
ALS Vial : 74 Sample Multiplier: 1

Quant Time: Sep 07 01:48:12 2022
Quant Method : C:\msdchem\1\methods\V2P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:29:43 2022
Response via : Initial Calibration







TIC: 2P92701.D\data.ms

(76) 1-Chlorohexane

5.650min (+0.001) 40.09ug/L m

response 279574

Ion	Exp%	Act%
91.00	100	100
55.00	75.60	71.16
41.00	53.40	49.81
43.10	41.30	41.27

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:27:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1689030	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1301419	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	661423	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	459652	48.48	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.96%			
50) 1,2-Dichloroethane-d4	8.549	65	491735	50.41	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.82%			
63) Toluene-d8	10.427	98	1648656	55.01	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 110.02%			
86) 4-Bromofluorobenzene	13.207	174	534393	51.84	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.68%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	10455	1.32	ug/L	82
3) Chloromethane	3.196	50	9234	1.13	ug/L	97
4) 1,3-butadiene	3.379	39	8326	1.12	ug/L	81
5) Vinyl Chloride	3.343	62	9880	1.12	ug/L	95
6) Bromomethane	3.897	94	5247	1.53	ug/L	88
7) Chloroethane	4.111	64	5271	0.83	ug/L	93
8) Trichlorofluoromethane	4.336	101	14680	1.17	ug/L	99
9) Ethyl Ether	4.800	59	6510	1.02	ug/L	93
11) 1,2-Dichlorotrifluoroe...	5.074	67	8865	1.07	ug/L	93
12) 1,1-Dichloroethene	5.086	61	12002	1.04	ug/L	91
13) Freon 113	5.147	101	9809	1.26	ug/L	95
14) Carbon Disulfide	5.123	76	25337	1.33	ug/L	100
15) Iodomethane	5.281	142	1857	0.57	ug/L	77
16) Acrolein	5.562	56	5661	4.19	ug/L	92
17) Allyl chloride	5.732	41	7602	0.86	ug/L	93
18) Methylene Chloride	5.866	49	40785	3.55	ug/L	96
19) Acetone	5.940	43	13111	5.18	ug/L	91
20) Methyl acetate	6.086	43	27118	4.32	ug/L	95
21) trans-1,2-Dichloroethene	6.080	61	11934	1.05	ug/L	95
22) Hexane	6.165	56	5856m	1.32	ug/L	
23) Methyl Tert Butyl Ether	6.202	73	19330	0.93	ug/L	82
24) Tert Butyl Alcohol	6.299	59	7590	9.76	ug/L	95
25) Acetonitrile	6.531	41	9544m	10.46	ug/L	
26) Di-isopropyl ether	6.653	45	22750	1.00	ug/L	97
27) Chloroprene	6.811	53	1326	0.12	ug/L #	63
28) 1,1-Dichloroethane	6.836	63	14359	1.00	ug/L	93
29) Acrylonitrile	6.903	52	12000	4.94	ug/L	87
30) ETBE	7.086	59	21267	0.94	ug/L	94
31) Vinyl acetate	7.116	43	67719	4.24	ug/L	94
32) cis-1,2-Dichloroethene	7.470	96	9992	1.20	ug/L #	77
33) 2,2-Dichloropropane	7.592	77	11404	1.08	ug/L	97
34) Bromochloromethane	7.701	128	5364	1.15	ug/L	96
35) Cyclohexane	7.708	56	13063	1.08	ug/L	88
36) Chloroform	7.762	83	15912	1.09	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:27:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Ethyl acetate	7.878	43	35664	4.67	ug/L		98
38) Tetrahydrofuran	7.964	42	3332	1.36	ug/L		90
40) Carbon Tetrachloride	7.933	117	11838	1.04	ug/L		97
41) 1,1,1-Trichloroethane	8.006	97	13547	1.04	ug/L		98
42) 2-Butanone	8.110	43	15639	4.01	ug/L		99
43) 1,1-Dichloropropene	8.140	75	11750	1.08	ug/L		93
44) tert-Butyl formate	8.244	59	19450	4.70	ug/L		89
45) Propionitrile	8.433	54	9758	7.39	ug/L	#	76
46) Methacrylonitrile	8.451	41	50424	8.48	ug/L		90
47) Benzene	8.409	78	34206	1.09	ug/L		98
48) TAME	8.500	73	18794	0.88	ug/L		90
49) Isobutyl alcohol	8.573	43	4213	15.11	ug/L		81
51) 1,2-Dichloroethane	8.628	62	13351	1.11	ug/L		100
52) Tert Amyl Alcohol	8.677	59	4483	8.16	ug/L		89
53) Trichloroethene	9.018	95	10206	1.15	ug/L		93
54) Methylcyclohexane	9.012	83	11704	1.18	ug/L		95
55) Dibromomethane	9.463	93	5754	1.04	ug/L		87
56) 1,2-Dichloropropane	9.555	63	7677	0.98	ug/L		94
57) Bromodichloromethane	9.610	83	9748	1.00	ug/L		96
58) Methyl methacrylate	9.738	41	4689m	0.76	ug/L		
59) 1,4-Dioxane	9.829	88	1593	21.75	ug/L		62
60) 2-Chloroethyl vinyl ether	10.152	63	16173	3.31	ug/L		95
61) cis-1,3-Dichloropropene	10.244	75	10229	0.95	ug/L		100
64) Toluene	10.481	91	36309	1.25	ug/L		99
65) 2-Nitropropane	10.713	41	8454	5.23	ug/L	#	81
66) 4-Methyl-2-pentanone	10.835	43	33243	4.91	ug/L		97
67) trans-1,3-Dichloropropene	10.890	75	8293	0.94	ug/L		83
68) Tetrachloroethene	10.884	166	10824	1.27	ug/L		91
69) Ethyl methacrylate	11.006	69	5842	0.76	ug/L		91
70) 1,1,2-Trichloroethane	11.055	83	6257	1.20	ug/L		90
71) Dibromochloromethane	11.243	129	7647	1.09	ug/L		97
72) 1,3-Dichloropropane	11.335	76	13741	1.28	ug/L		97
73) 1,2-Dibromoethane	11.512	107	8019	1.19	ug/L		93
74) 3,3-dimethyl-1-butanol	11.603	57	18455	35.98	ug/L		95
75) 2-hexanone	11.664	43	20062	4.19	ug/L		92
76) 1-Chlorohexane	11.945	91	8547m	1.15	ug/L		
77) Ethylbenzene	12.012	91	41805	1.28	ug/L		94
78) Chlorobenzene	12.012	112	24954	1.28	ug/L		93
79) 1,1,1,2-Tetrachloroethane	12.060	131	7367	1.10	ug/L		86
80) m,p-Xylene	12.152	91	58342	2.38	ug/L		97
81) o-Xylene	12.591	91	28466	1.23	ug/L		95
82) Styrene	12.652	104	16782	0.99	ug/L		94
83) Bromoform	12.701	173	4034	1.03	ug/L		95
84) Isopropylbenzene	12.896	105	32954	1.15	ug/L		96
87) cis-1,4-Dichloro-2-butene	13.261	53	1861	0.87	ug/L	#	70
88) n-Propylbenzene	13.316	91	40265	1.33	ug/L		99
89) Bromobenzene	13.335	156	10885	1.39	ug/L		98
90) 1,1,2,2-Tetrachloroethane	13.377	83	9707	1.20	ug/L		94
91) 1,3,5-Trimethylbenzene	13.493	105	26129	1.21	ug/L		90
92) 2-Chlorotoluene	13.676	91	24584	1.28	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:27:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

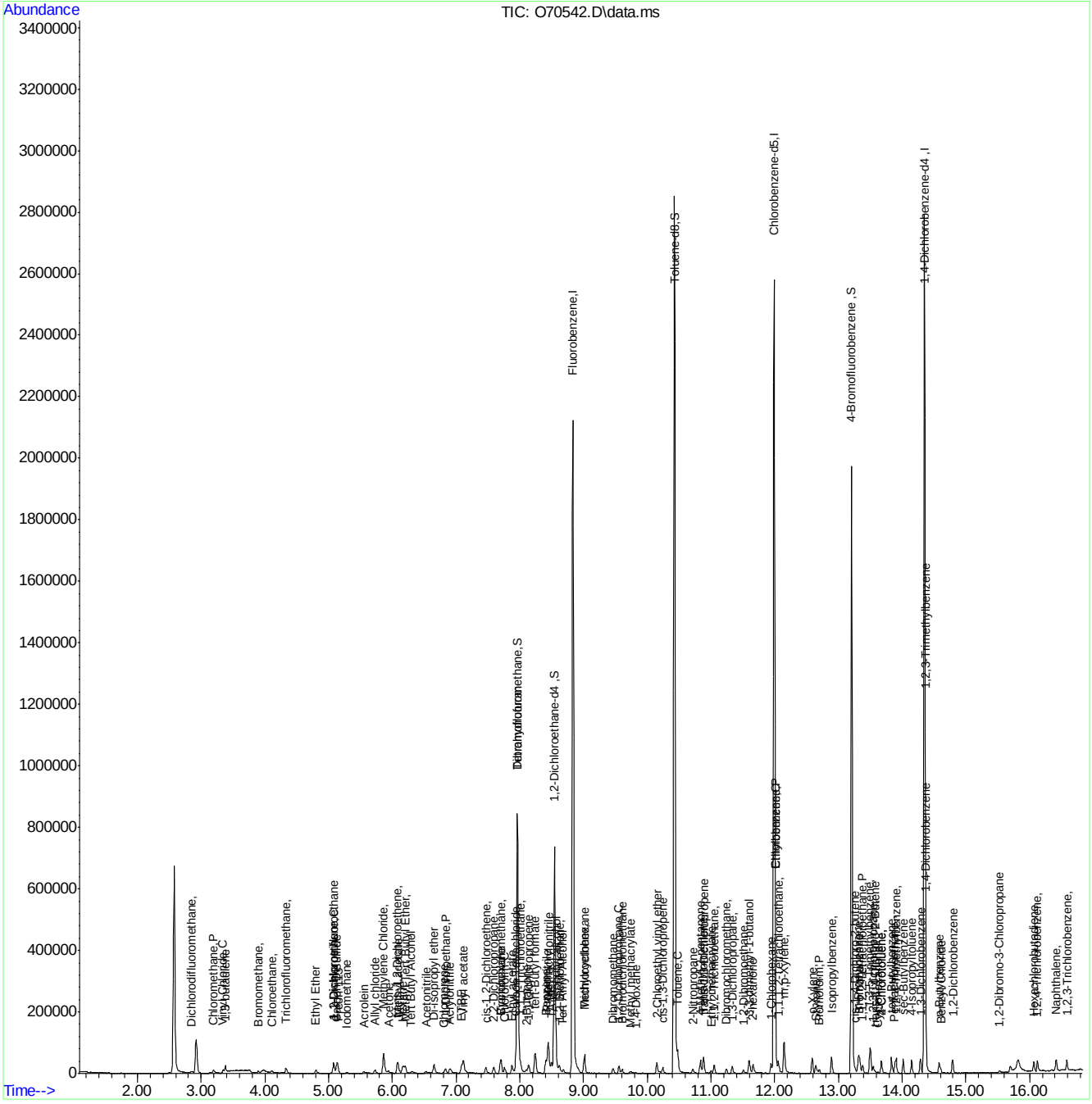
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) trans-1,4-Dichloro-2-B...	13.572	53	1694	0.84	ug/L	#	74
94) 1,2,3-Trichloropropane	13.548	110	2938	1.10	ug/L		93
95) Cyclohexanone	13.621	55	1374m	7.31	ug/L		
96) 4-Chlorotoluene	13.676	91	24584	1.28	ug/L		96
97) tert-Butylbenzene	13.834	91	15656	1.35	ug/L		95
99) 1,2,4-Trimethylbenzene	13.908	105	25715	1.23	ug/L		91
100) Pentachloroethane	13.883	167	3581	0.93	ug/L	#	84
101) sec-Butylbenzene	14.017	105	29181	1.27	ug/L		98
102) 4-Isopropyltoluene	14.151	119	24315	1.20	ug/L		98
103) 1,3-Dichlorobenzene	14.292	146	18830	1.39	ug/L		95
104) 1,2,3-Trimethylbenzene	14.365	105	29843	1.35	ug/L	#	82
105) 1,4-Dichlorobenzene	14.371	146	22935	1.58	ug/L		85
106) n-Butylbenzene	14.578	92	12143	1.23	ug/L		94
107) Benzyl Chloride	14.609	126	1942	0.83	ug/L	#	75
108) 1,2-Dichlorobenzene	14.798	146	17078	1.31	ug/L		97
109) 1,2-Dibromo-3-Chloropr...	15.529	75	1433	1.15	ug/L	#	72
110) Hexachlorobutadiene	16.066	225	4561	1.65	ug/L		87
111) 1,2,4-Trichlorobenzene	16.121	180	10421	1.36	ug/L		89
112) Naphthalene	16.419	128	30119	1.54	ug/L		99
113) 1,2,3-Trichlorobenzene	16.590	180	10470	1.38	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:27:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

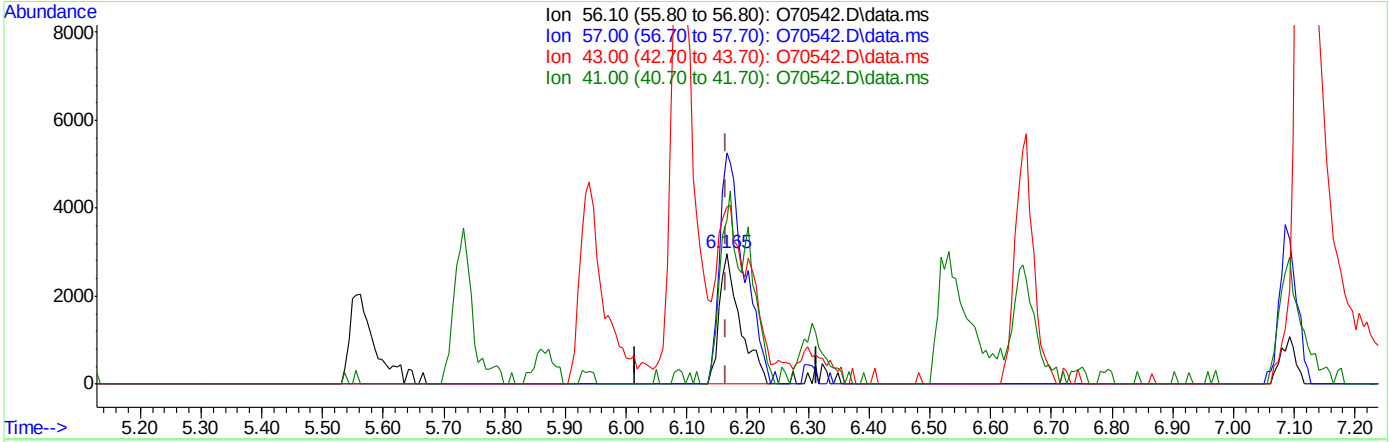
Sample Number: VO2796-IC2796
Lab FileID: O70542.D
Injection Time: 08/23/22 12:41
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

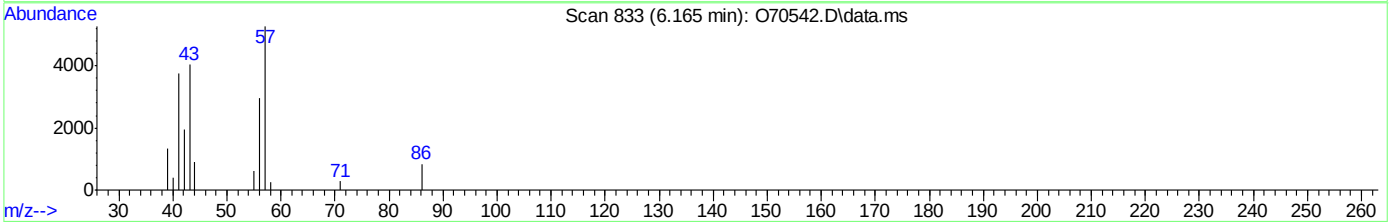
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.53	Poor instrument integration
Methyl Methacrylate	80-62-6		9.74	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration
Cyclohexanone	108-94-1		13.62	Poor instrument integration

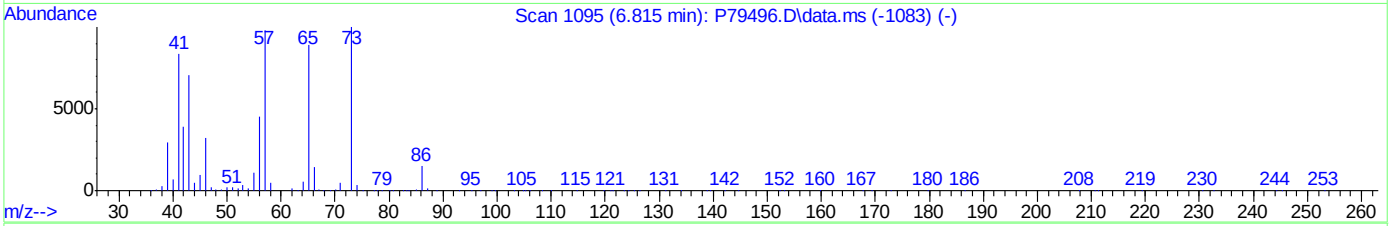
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(22) Hexane

6.165min (+0.000) 1.60ug/L

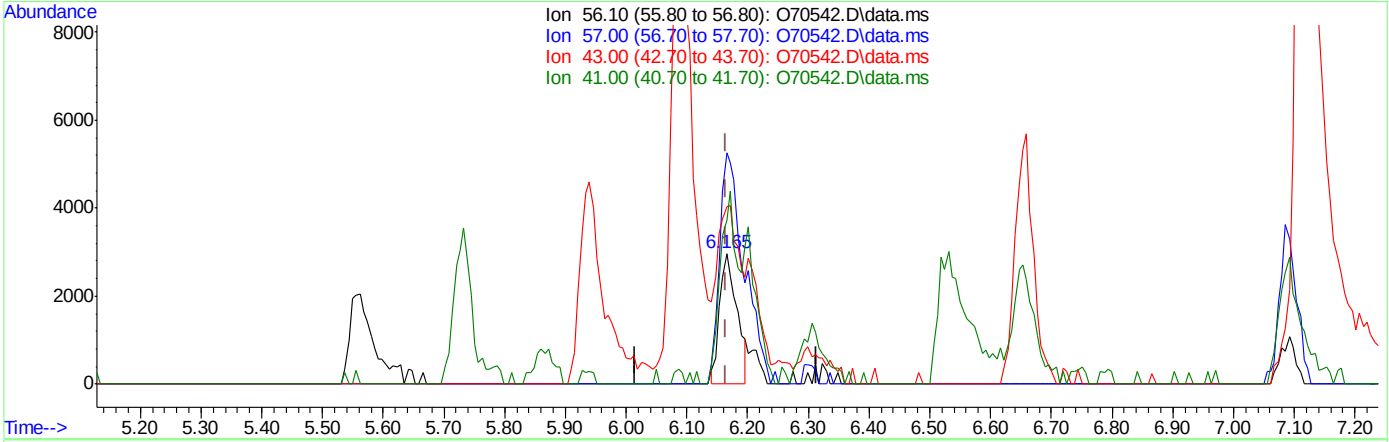
response 7076

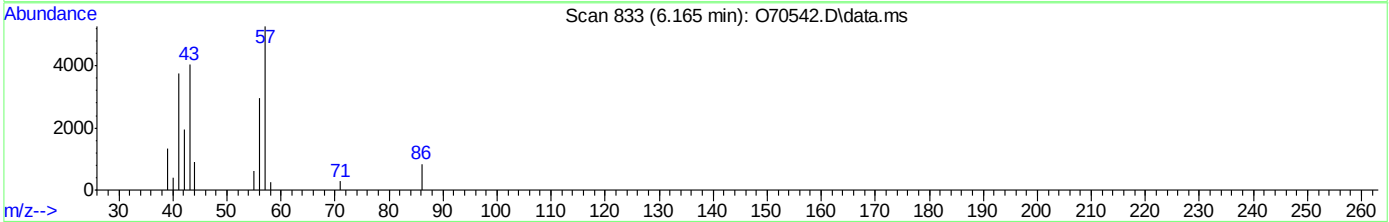
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	177.04#
43.00	139.80	121.21
41.00	146.00	125.71#

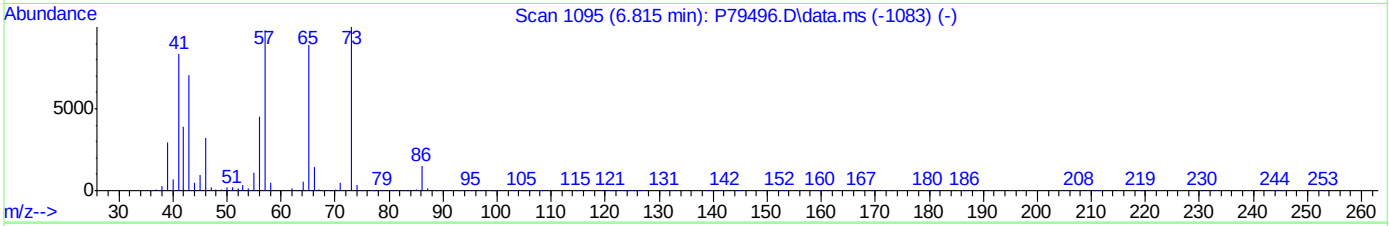
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(22) Hexane

6.165min (+0.000) 1.32ug/L m

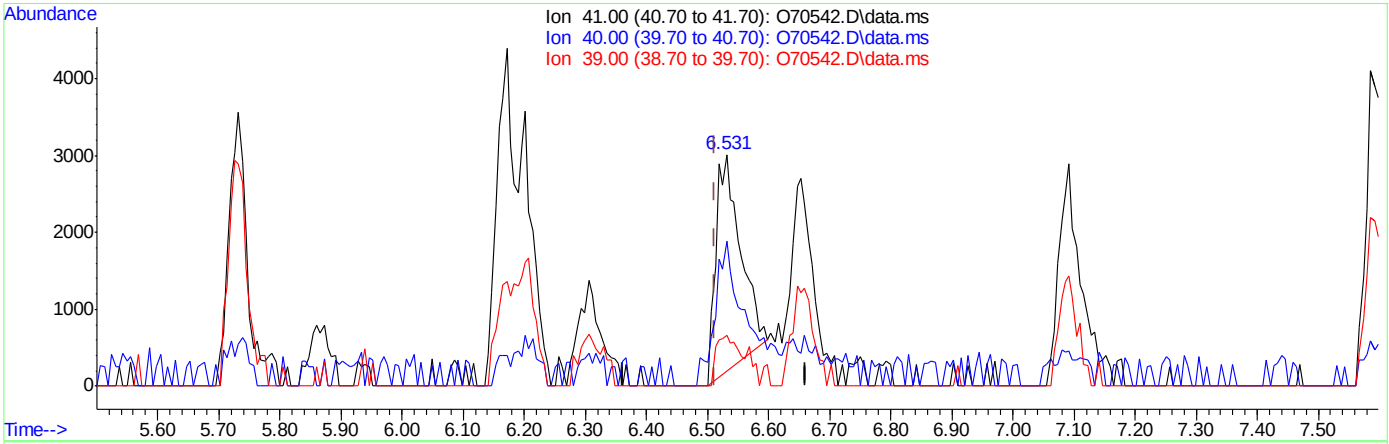
response 5856

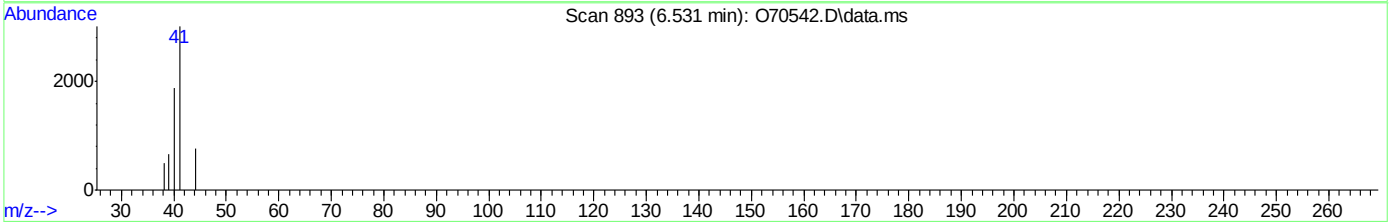
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	177.04#
43.00	139.80	135.70
41.00	146.00	125.71#

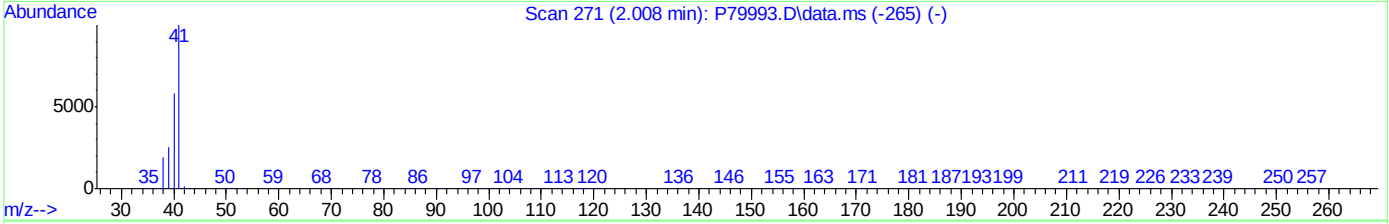
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(25) Acetonitrile

6.531min (+0.019) 8.77ug/L

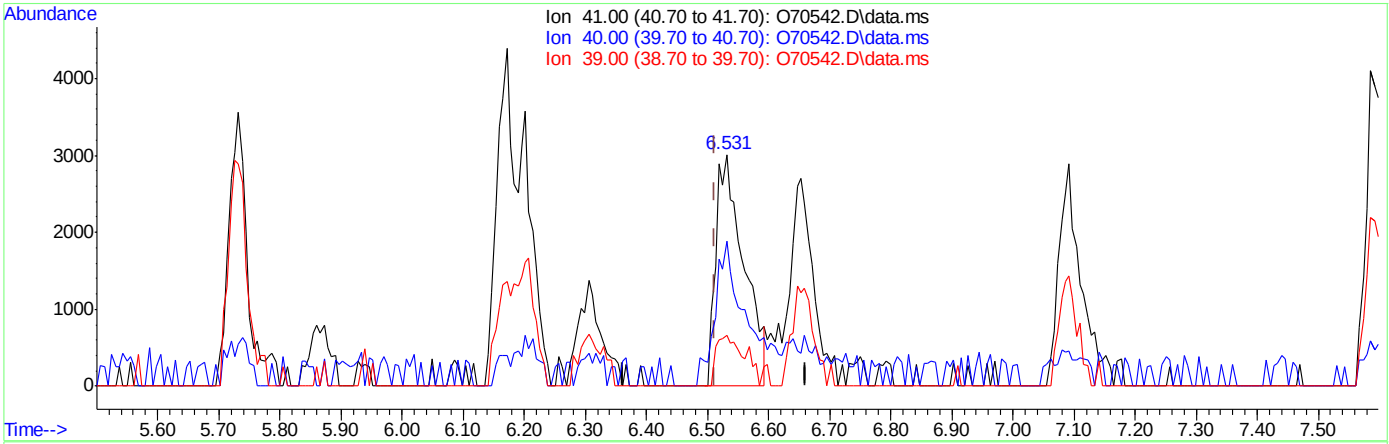
response 8007

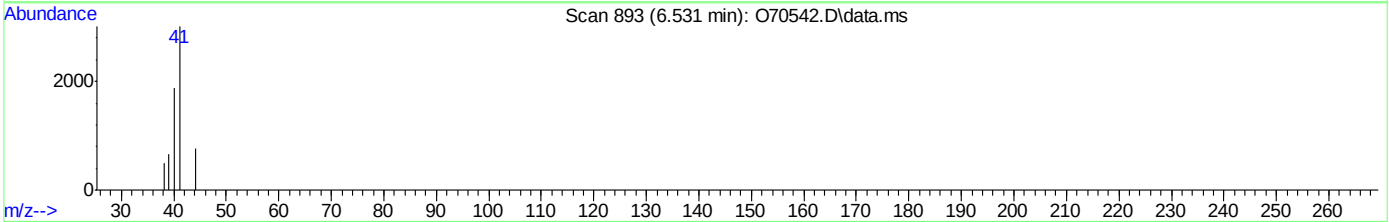
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	52.17
39.00	19.60	21.77
0.00	0.00	0.00

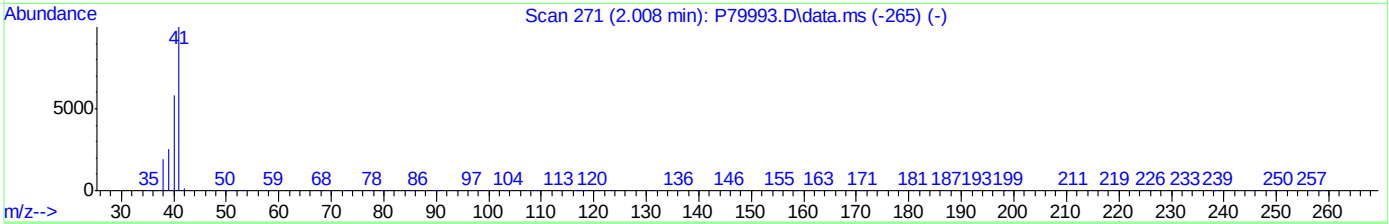
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(25) Acetonitrile

6.531min (+0.019) 10.46ug/L m

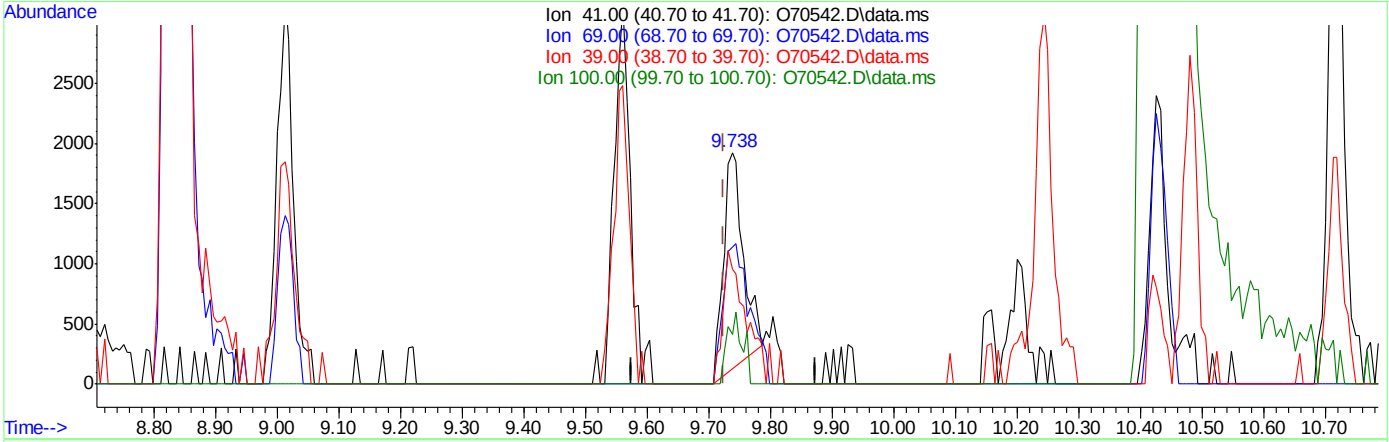
response 9544

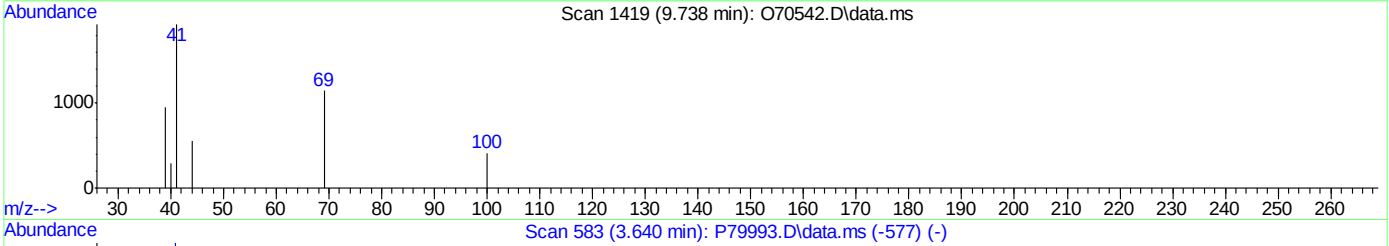
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	62.60
39.00	19.60	21.77
0.00	0.00	0.00

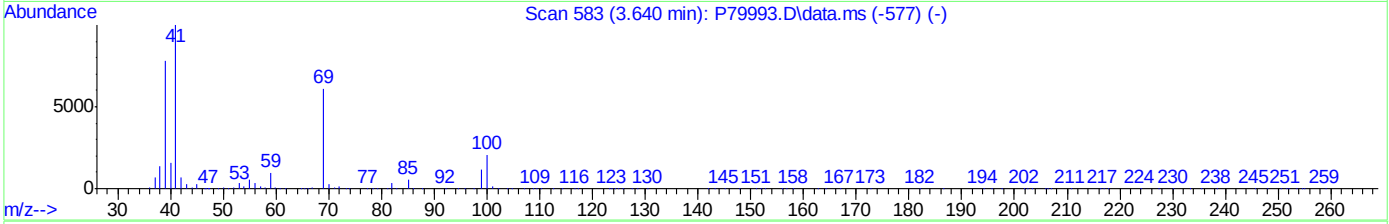
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(58) Methyl methacrylate

9.738min (+0.013) 0.66ug/L

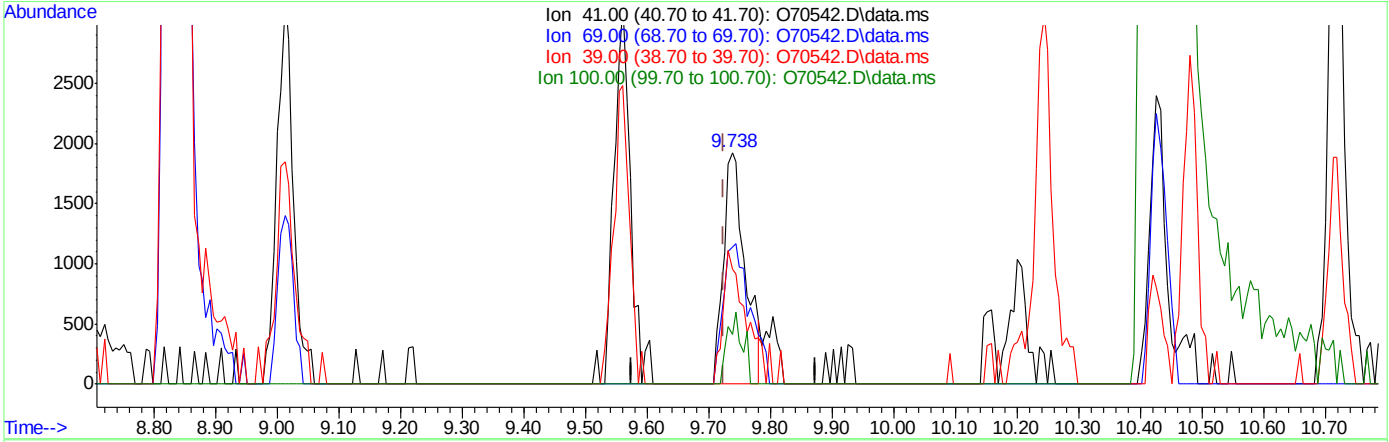
response 4051

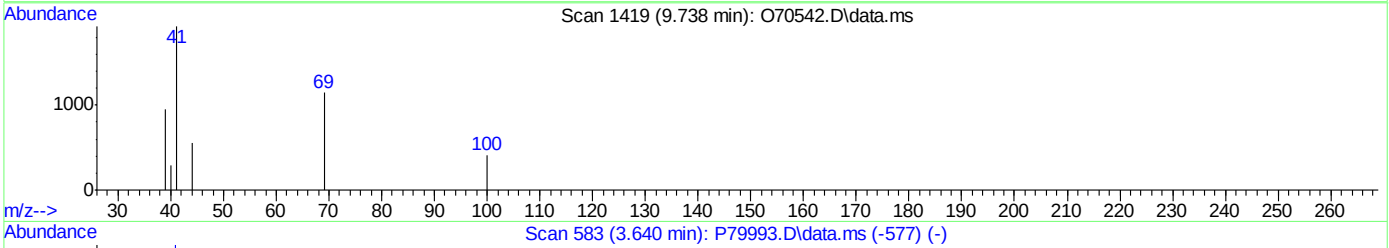
Ion	Exp%	Act%
41.00	100	100
69.00	78.10	59.38
39.00	58.80	49.30
100.00	31.20	21.56

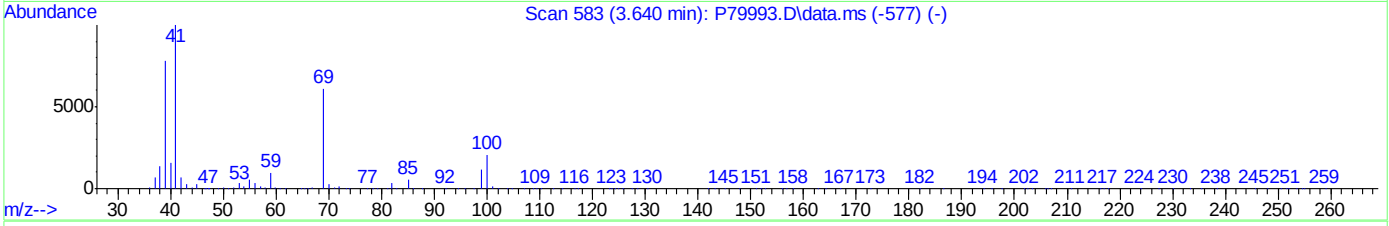
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(58) Methyl methacrylate

9.738min (+0.013) 0.76ug/L m

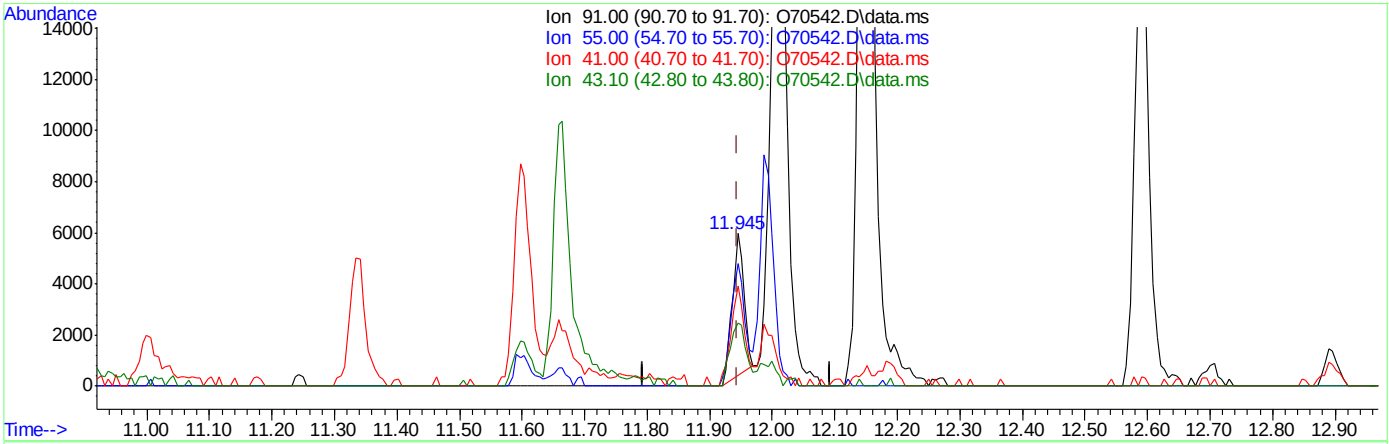
response 4689

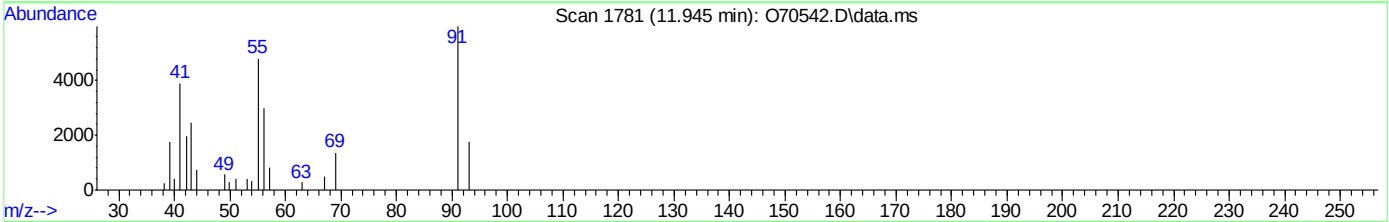
Ion	Exp%	Act%
41.00	100	100
69.00	78.10	59.38
39.00	58.80	49.30
100.00	31.20	21.56

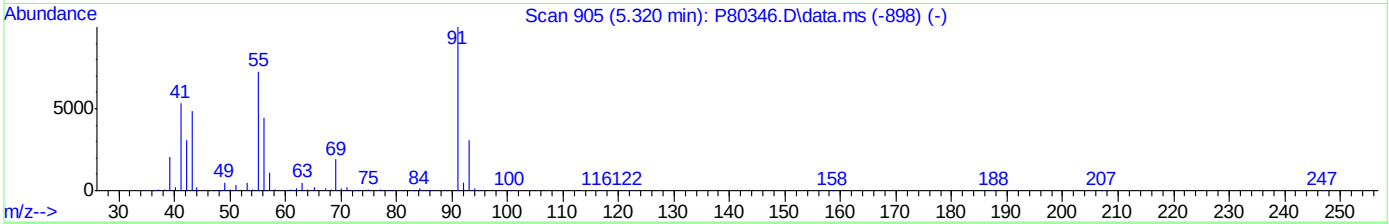
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(76) 1-Chlorohexane

11.945min (+0.001) 0.99ug/L

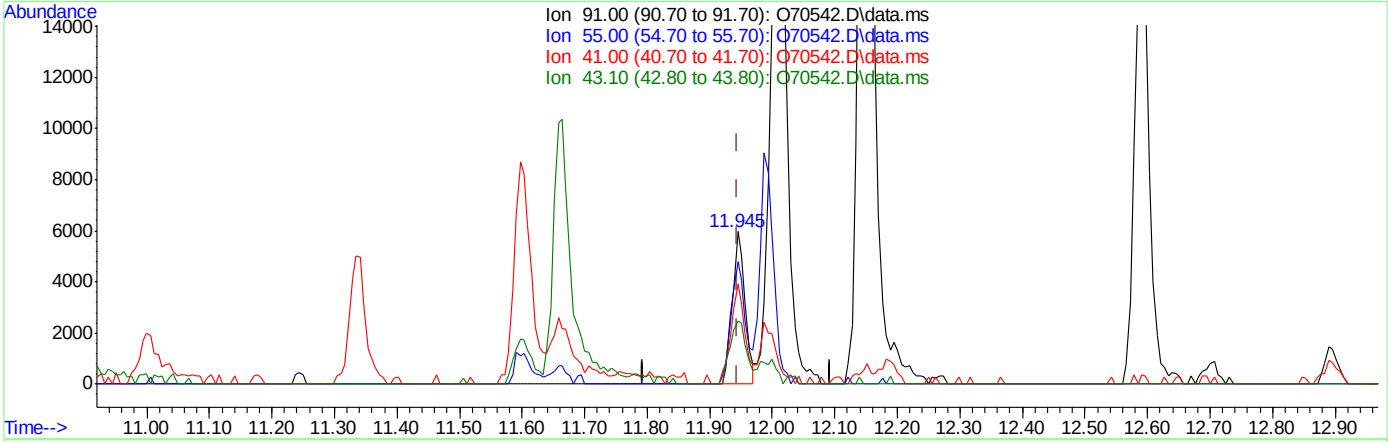
response 7363

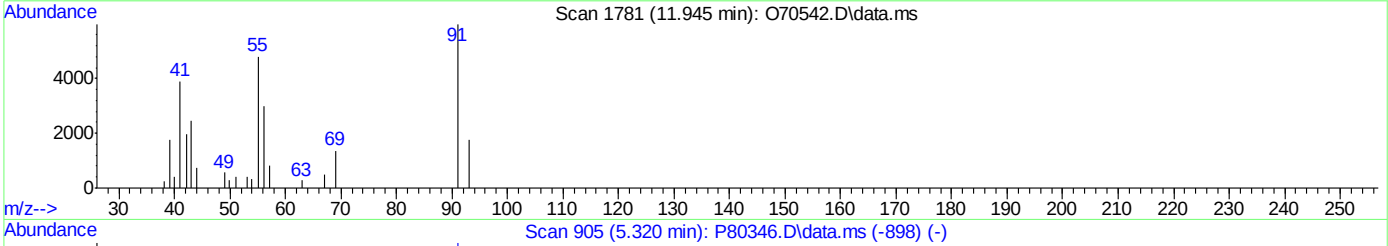
Ion	Exp%	Act%
91.00	100	100
55.00	71.00	74.72
41.00	56.50	57.28
43.10	44.30	41.32

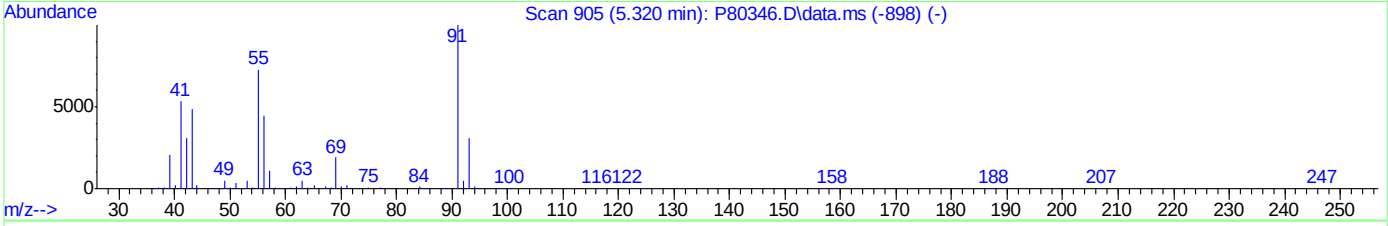
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(76) 1-Chlorohexane

11.945min (+0.001) 1.15ug/L m

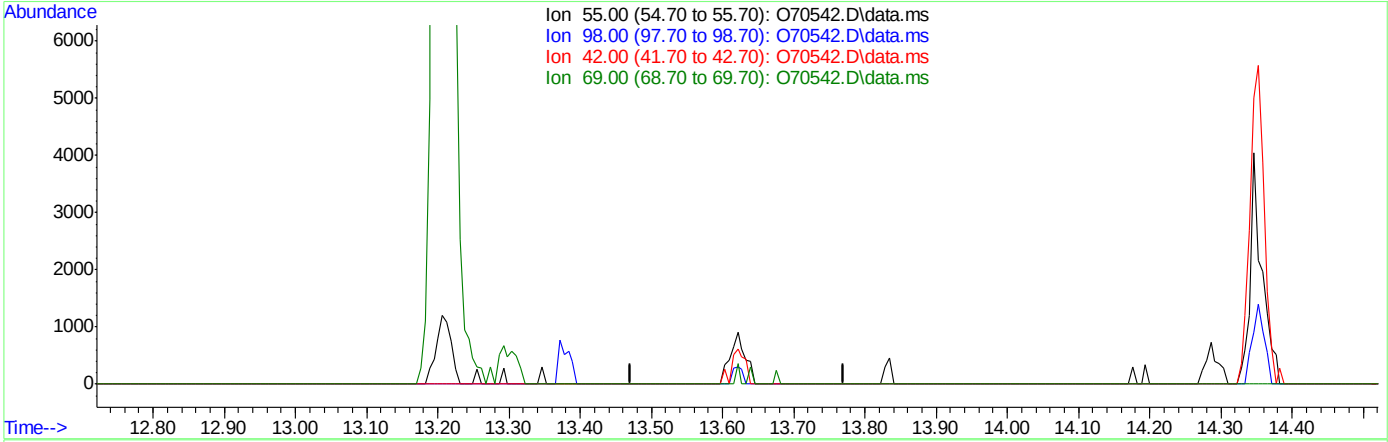
response 8547

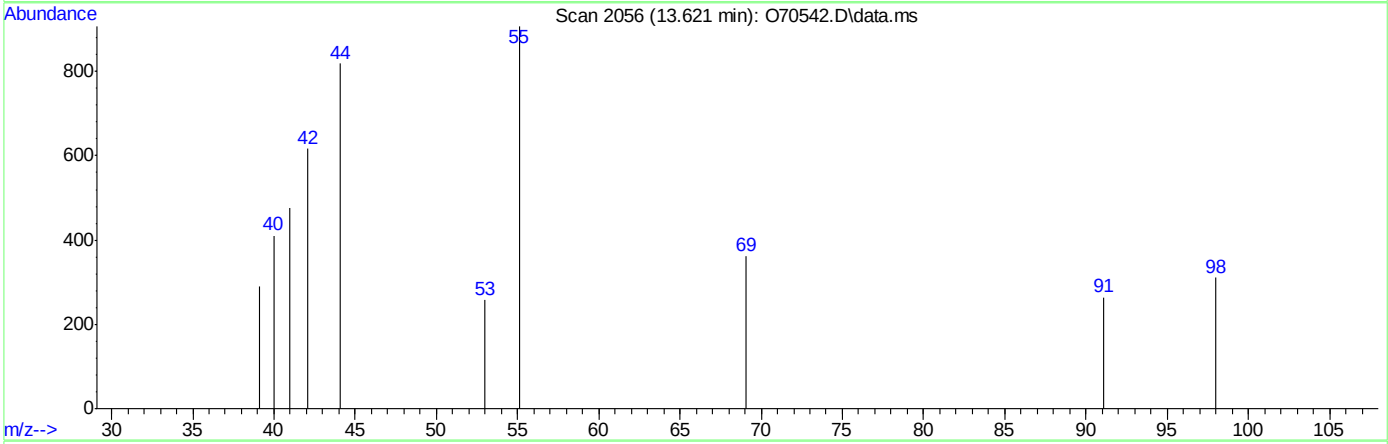
Ion	Exp%	Act%
91.00	100	100
55.00	71.00	80.33
41.00	56.50	65.32
43.10	44.30	41.32

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:25:50 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70542.D\data.ms

(95) Cyclohexanone

13.621min (-13.621) 0.00ug/L

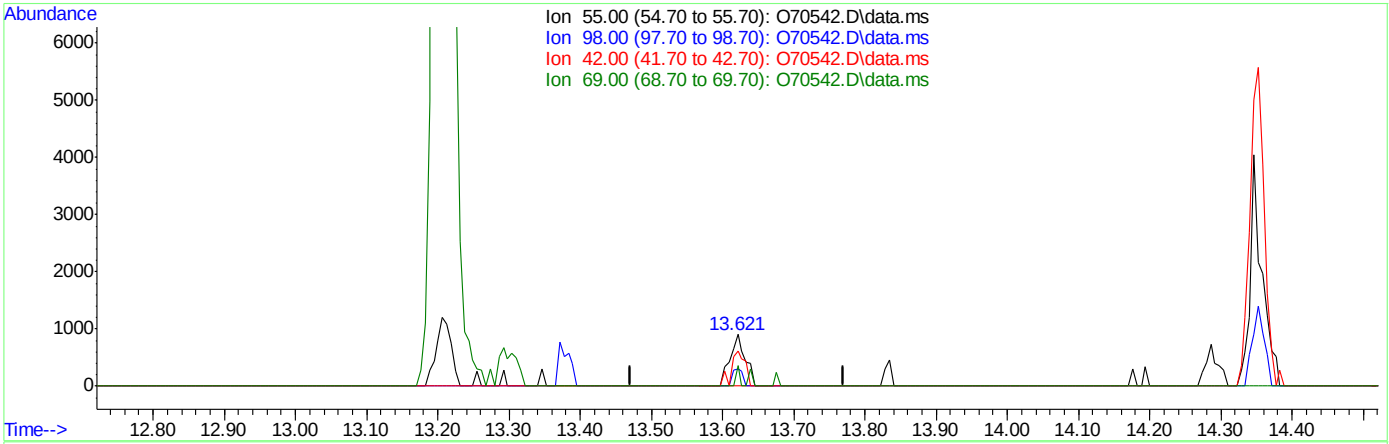
response 0

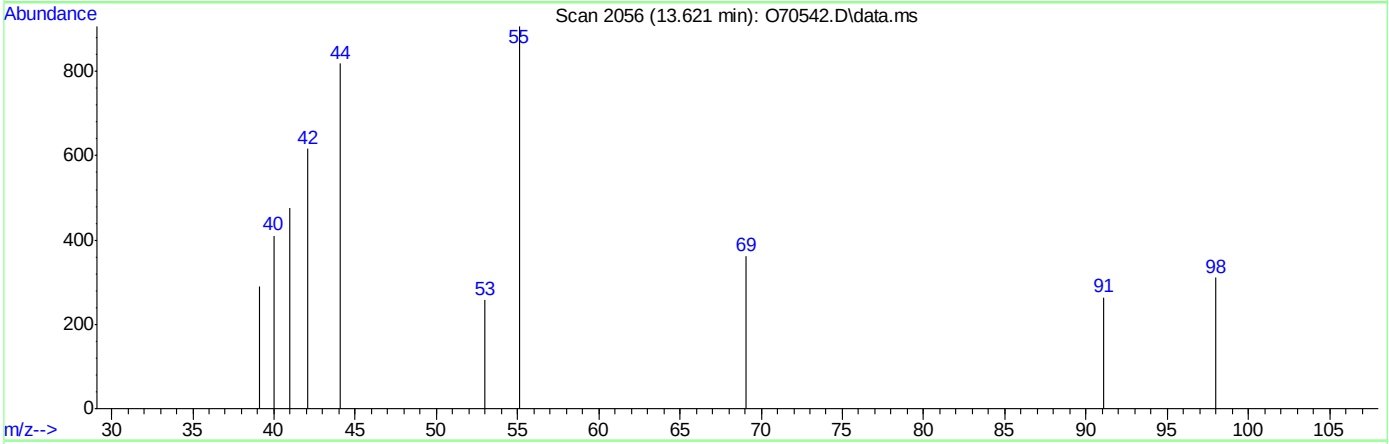
Ion	Exp%	Act%
55.00	100	0.00
98.00	42.80	0.00#
42.00	71.10	0.00#
69.00	31.80	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:25:50 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70542.D\data.ms

(95) Cyclohexanone

13.621min (+0.000) 7.31ug/L m

response 1374

Ion	Exp%	Act%
55.00	100	100
98.00	42.80	34.29
42.00	71.10	67.92
69.00	31.80	39.91

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:11:23 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1711744	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1320799	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	676861	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	476179	49.56	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.12%			
50) 1,2-Dichloroethane-d4	8.549	65	508579	51.45	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.90%			
63) Toluene-d8	10.426	98	1677560	55.15	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 110.30%			
86) 4-Bromofluorobenzene	13.206	174	545459	51.71	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.42%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.843	85	41217	5.12	ug/L	98
3) Chloromethane	3.196	50	41641	5.05	ug/L	98
4) 1,3-butadiene	3.379	39	47755	6.33	ug/L	98
5) Vinyl Chloride	3.342	62	46502	5.18	ug/L	99
6) Bromomethane	3.897	94	21056	6.01	ug/L	94
7) Chloroethane	4.105	64	29274	4.64	ug/L	97
8) Trichlorofluoromethane	4.330	101	68964	5.42	ug/L	98
9) Ethyl Ether	4.800	59	24212	3.76	ug/L	98
10) Ethanol	5.025	45	7777m	139.01	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	31500	3.76	ug/L	96
12) 1,1-Dichloroethene	5.080	61	42764	3.65	ug/L	99
13) Freon 113	5.141	101	30558	3.86	ug/L	96
14) Carbon Disulfide	5.129	76	78681	4.06	ug/L	94
15) Iodomethane	5.281	142	9544	2.83	ug/L	92
16) Acrolein	5.549	56	37447	27.32	ug/L	96
17) Allyl chloride	5.726	41	51869	5.77	ug/L	98
18) Methylene Chloride	5.866	49	66604	5.73	ug/L	98
19) Acetone	5.927	43	60790	23.68	ug/L	97
20) Methyl acetate	6.080	43	114846	18.06	ug/L	97
21) trans-1,2-Dichloroethene	6.074	61	43224	3.76	ug/L	98
22) Hexane	6.171	56	16752m	3.73	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	77564	3.70	ug/L	98
24) Tert Butyl Alcohol	6.305	59	29380	37.28	ug/L	91
25) Acetonitrile	6.519	41	60880m	65.82	ug/L	
26) Di-isopropyl ether	6.653	45	91118	3.95	ug/L	99
27) Chloroprene	6.805	53	11522	1.07	ug/L	91
28) 1,1-Dichloroethane	6.836	63	55048	3.78	ug/L	98
29) Acrylonitrile	6.897	52	48943	19.88	ug/L	98
30) ETBE	7.092	59	86103	3.76	ug/L	99
31) Vinyl acetate	7.110	43	273489	16.90	ug/L	98
32) cis-1,2-Dichloroethene	7.470	96	33364	3.95	ug/L	97
33) 2,2-Dichloropropane	7.592	77	40432	3.78	ug/L	98
34) Bromochloromethane	7.695	128	18787	3.98	ug/L	99
35) Cyclohexane	7.707	56	46692	3.80	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:11:23 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	58872	3.99	ug/L	92
37) Ethyl acetate	7.872	43	150976	19.52	ug/L	100
38) Tetrahydrofuran	7.957	42	11465	4.59	ug/L	92
40) Carbon Tetrachloride	7.933	117	41470	3.60	ug/L	95
41) 1,1,1-Trichloroethane	8.006	97	50463	3.81	ug/L	98
42) 2-Butanone	8.098	43	90082	22.80	ug/L	99
43) 1,1-Dichloropropene	8.140	75	41085	3.74	ug/L	96
44) tert-Butyl formate	8.244	59	119394	28.01	ug/L	95
45) Propionitrile	8.427	54	73414	54.88	ug/L	89
46) Methacrylonitrile	8.445	41	331552	55.05	ug/L	98
47) Benzene	8.409	78	120800	3.81	ug/L	98
48) TAME	8.494	73	75587	3.47	ug/L	94
49) Isobutyl alcohol	8.567	43	28375	99.64	ug/L	89
51) 1,2-Dichloroethane	8.622	62	49810	4.09	ug/L	97
52) Tert Amyl Alcohol	8.683	59	18427	33.09	ug/L	95
53) Trichloroethene	9.018	95	32943	3.66	ug/L	96
54) Methylcyclohexane	9.012	83	38601	3.85	ug/L	98
55) Dibromomethane	9.463	93	20611	3.68	ug/L	96
56) 1,2-Dichloropropane	9.555	63	29821	3.76	ug/L	91
57) Bromodichloromethane	9.603	83	36292	3.67	ug/L	97
58) Methyl methacrylate	9.725	41	31791	5.05	ug/L	94
59) 1,4-Dioxane	9.811	88	6268	84.46	ug/L	83
60) 2-Chloroethyl vinyl ether	10.146	63	123962	24.75	ug/L	97
61) cis-1,3-Dichloropropene	10.244	75	40193	3.68	ug/L	98
64) Toluene	10.481	91	131317	4.46	ug/L	99
65) 2-Nitropropane	10.713	41	34790	21.21	ug/L	89
66) 4-Methyl-2-pentanone	10.829	43	185256	26.87	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	35278	3.93	ug/L	88
68) Tetrachloroethene	10.884	166	39452	4.58	ug/L	96
69) Ethyl methacrylate	10.993	69	47012	5.95	ug/L	98
70) 1,1,2-Trichloroethane	11.048	83	24080	4.54	ug/L	97
71) Dibromochloromethane	11.243	129	30794	4.32	ug/L	95
72) 1,3-Dichloropropane	11.335	76	49617	4.56	ug/L	97
73) 1,2-Dibromoethane	11.506	107	29093	4.27	ug/L	95
74) 3,3-dimethyl-1-butanol	11.597	57	120899	228.56	ug/L	99
75) 2-hexanone	11.658	43	124010	25.53	ug/L	97
76) 1-Chlorohexane	11.944	91	34952m	4.62	ug/L	
77) Ethylbenzene	12.012	91	148857	4.48	ug/L	98
78) Chlorobenzene	12.012	112	89481	4.53	ug/L	97
79) 1,1,1,2-Tetrachloroethane	12.060	131	29738	4.38	ug/L	95
80) m,p-Xylene	12.146	91	221813	8.90	ug/L	98
81) o-Xylene	12.591	91	106347	4.51	ug/L	98
82) Styrene	12.646	104	65776	3.83	ug/L	98
83) Bromoform	12.700	173	16934	4.22	ug/L	94
84) Isopropylbenzene	12.895	105	127787	4.40	ug/L	97
87) cis-1,4-Dichloro-2-butene	13.255	53	13405	6.13	ug/L	96
88) n-Propylbenzene	13.316	91	149409	4.84	ug/L	98
89) Bromobenzene	13.334	156	39217	4.90	ug/L	97
90) 1,1,2,2-Tetrachloroethane	13.383	83	39776	4.81	ug/L	98
91) 1,3,5-Trimethylbenzene	13.493	105	105826	4.78	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:11:23 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

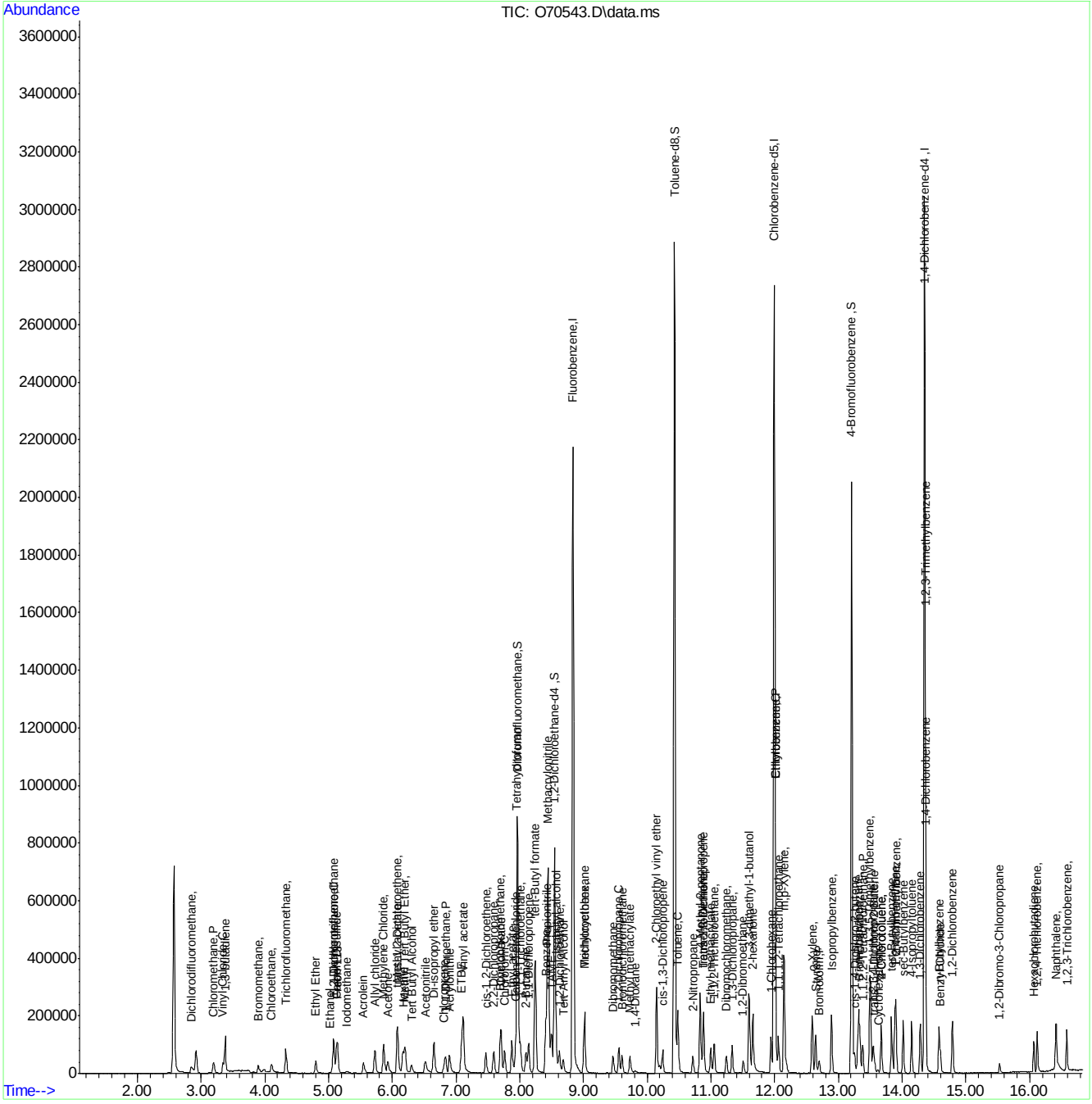
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	93709	4.78	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.566	53	9309	4.52	ug/L		86
94) 1,2,3-Trichloropropane	13.542	110	13045	4.77	ug/L		97
95) Cyclohexanone	13.627	55	4541	23.59	ug/L		95
96) 4-Chlorotoluene	13.670	91	93709	4.78	ug/L		99
97) tert-Butylbenzene	13.834	91	56098	4.74	ug/L		98
99) 1,2,4-Trimethylbenzene	13.907	105	102093	4.76	ug/L		92
100) Pentachloroethane	13.889	167	27167	6.88	ug/L		95
101) sec-Butylbenzene	14.017	105	115351	4.89	ug/L		97
102) 4-Isopropyltoluene	14.151	119	96059	4.63	ug/L		99
103) 1,3-Dichlorobenzene	14.285	146	68432	4.95	ug/L		98
104) 1,2,3-Trimethylbenzene	14.365	105	110628	4.89	ug/L		94
105) 1,4-Dichlorobenzene	14.371	146	73038	4.90	ug/L		94
106) n-Butylbenzene	14.578	92	46924	4.64	ug/L		96
107) Benzyl Chloride	14.602	126	9201	3.85	ug/L	#	88
108) 1,2-Dichlorobenzene	14.791	146	66537	5.00	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	15.529	75	5482	4.30	ug/L		94
110) Hexachlorobutadiene	16.066	225	15669	5.56	ug/L		96
111) 1,2,4-Trichlorobenzene	16.120	180	38023	4.85	ug/L		97
112) Naphthalene	16.419	128	107727	5.34	ug/L		97
113) 1,2,3-Trichlorobenzene	16.584	180	38937	5.00	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:11:23 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

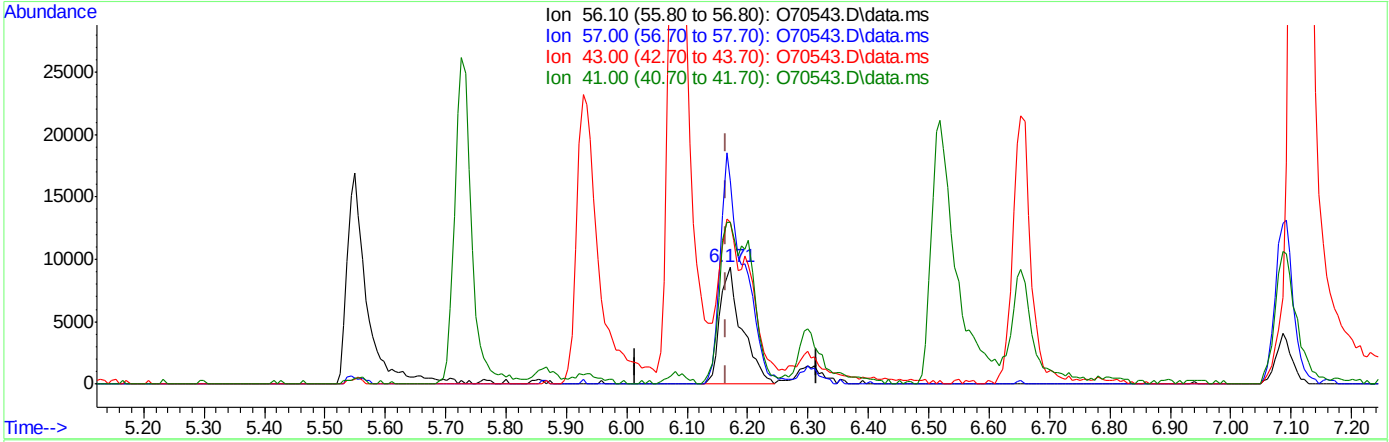
Sample Number: VO2796-IC2796
Lab FileID: O70543.D
Injection Time: 08/23/22 13:05
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

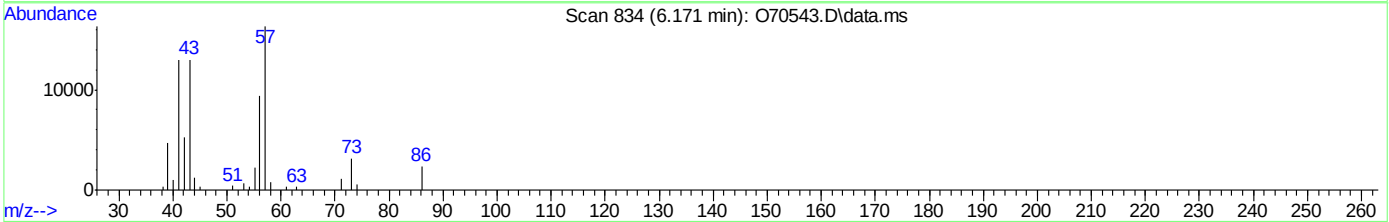
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.03	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.52	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

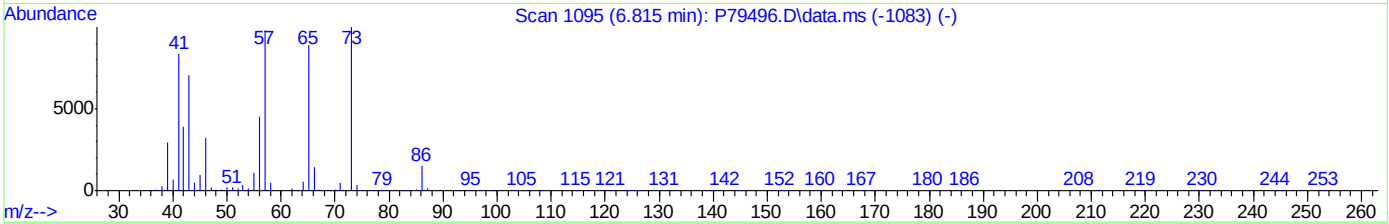
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(22) Hexane

6.171min (+0.006) 5.31ug/L

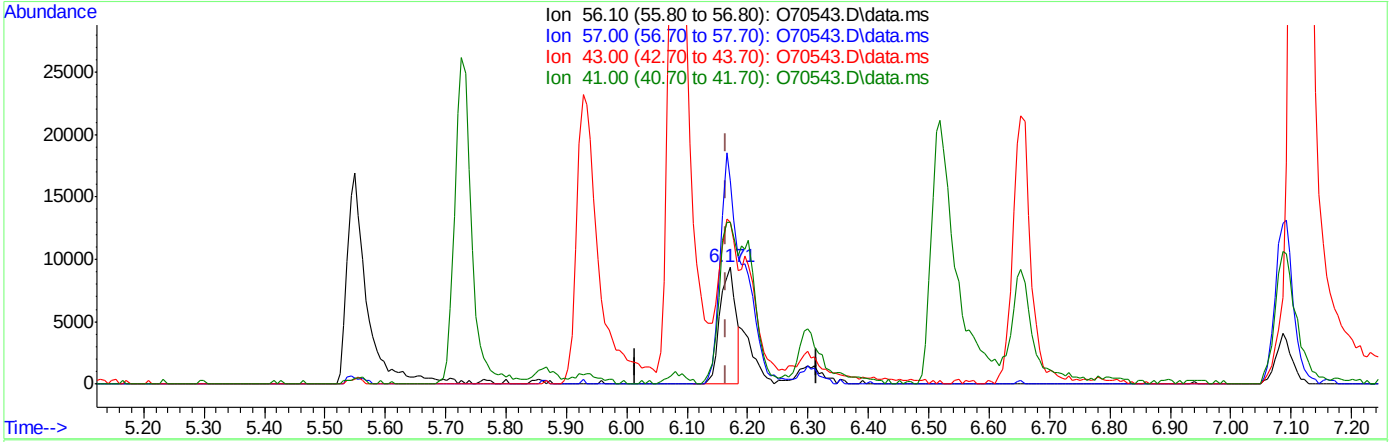
response 23836

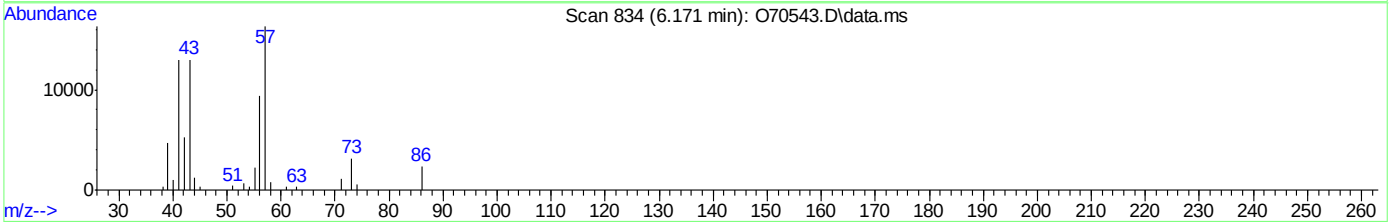
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	173.69#
43.00	139.80	121.69
41.00	146.00	138.17

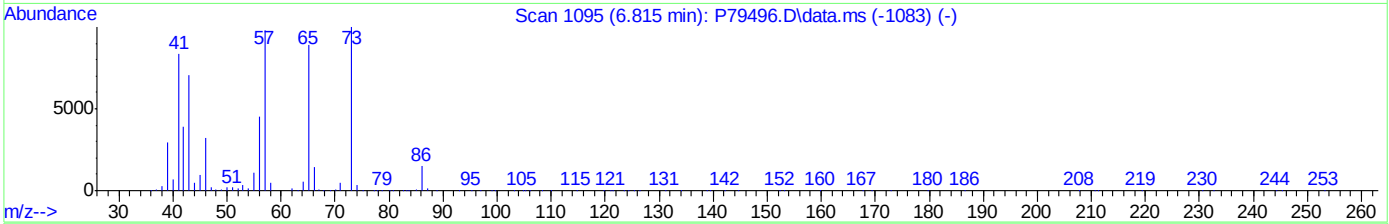
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(22) Hexane

6.171min (+0.006) 3.73ug/L m

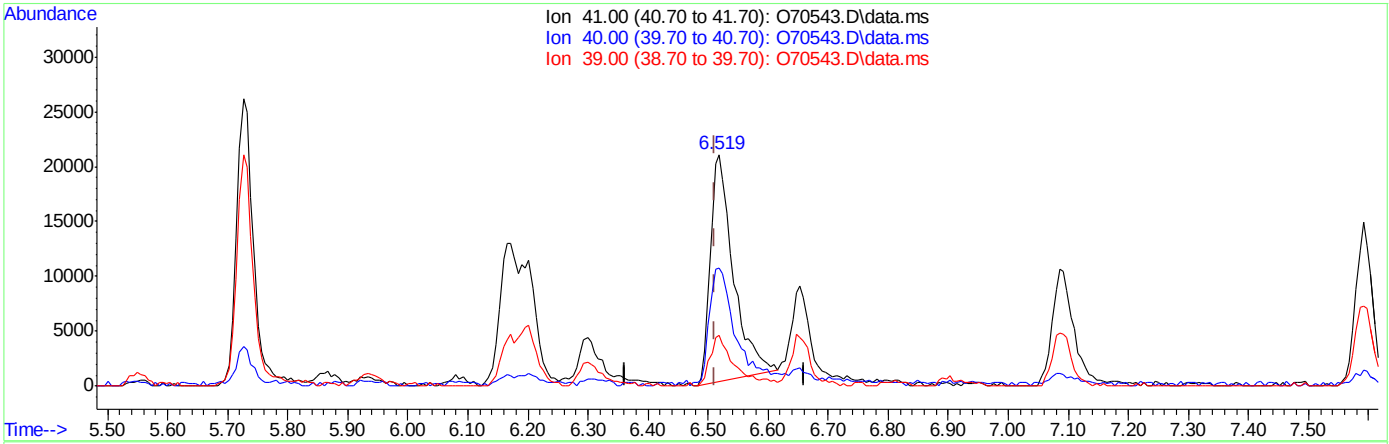
response 16752

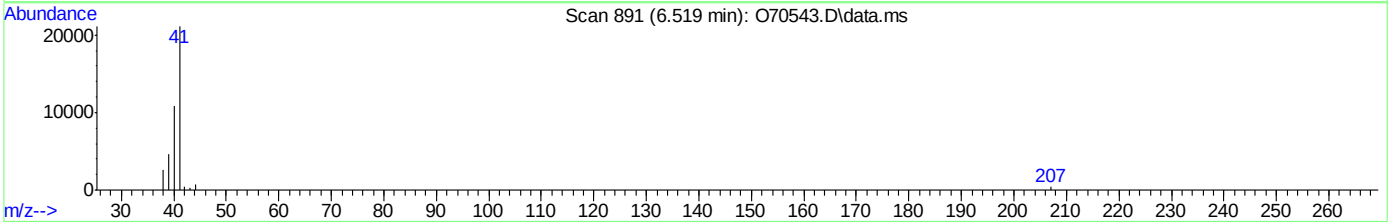
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	173.69#
43.00	139.80	138.40
41.00	146.00	138.17

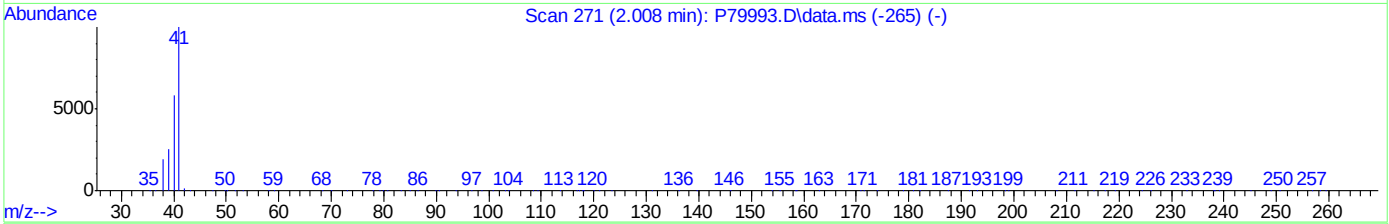
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 59.43ug/L

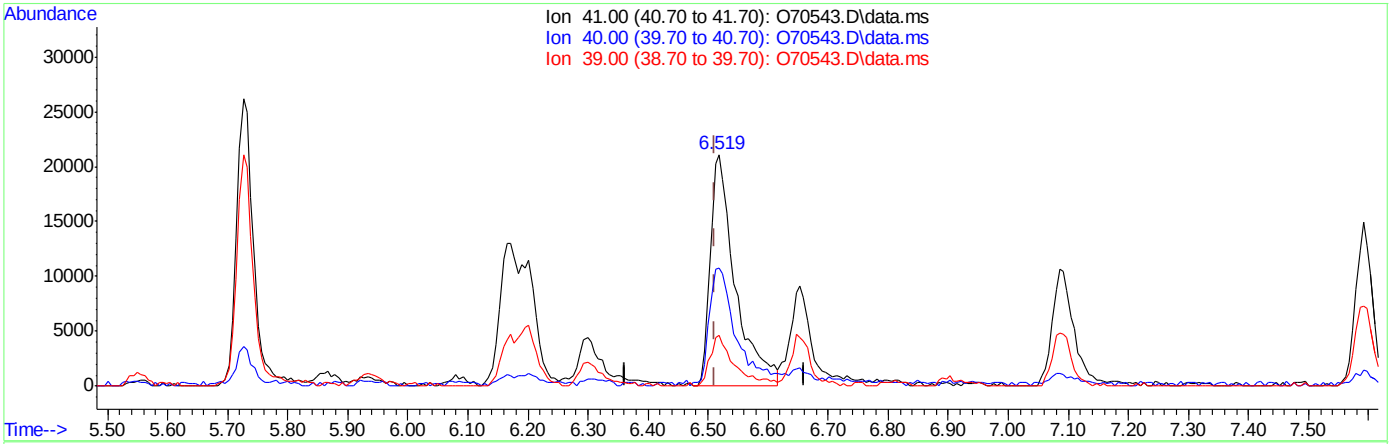
response 54972

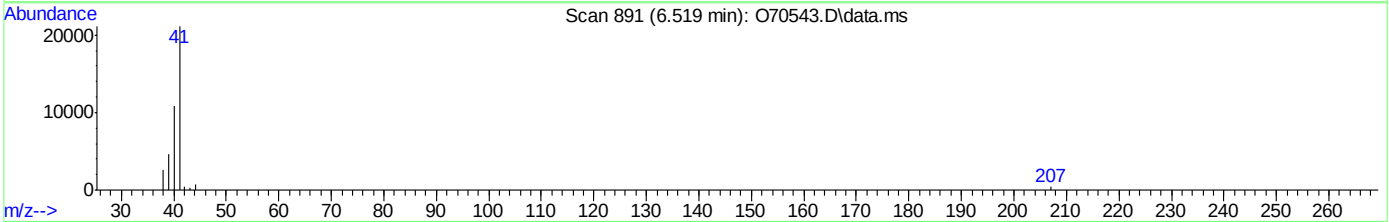
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	49.61
39.00	19.60	22.10
0.00	0.00	0.00

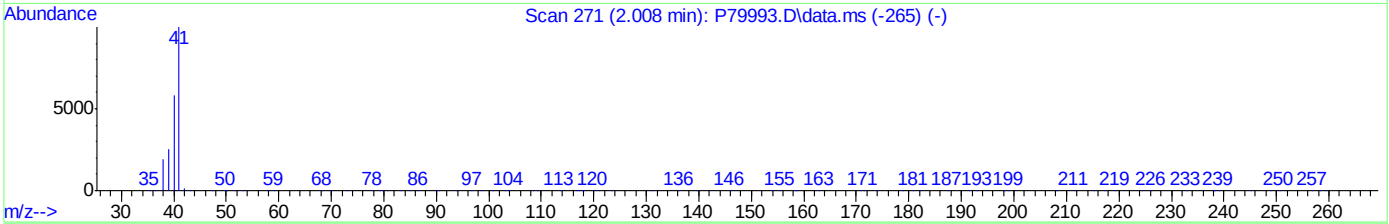
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 65.82ug/L m

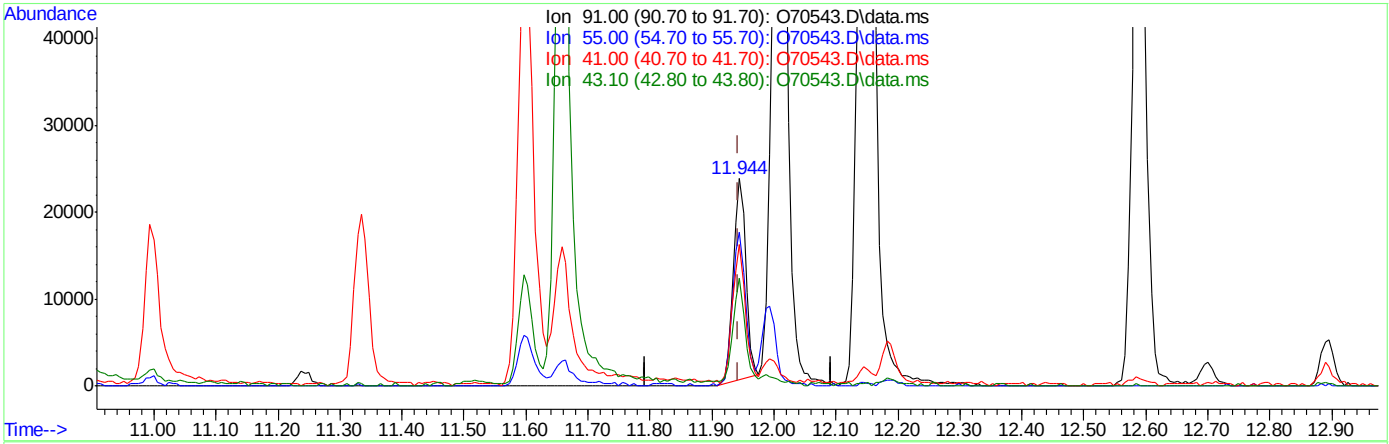
response 60880

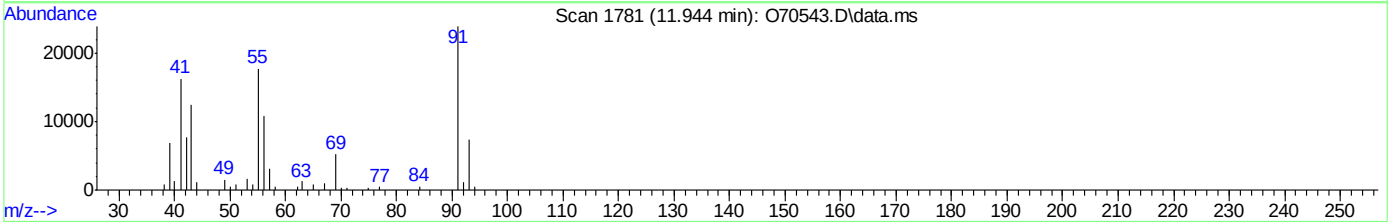
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	51.20
39.00	19.60	22.10
0.00	0.00	0.00

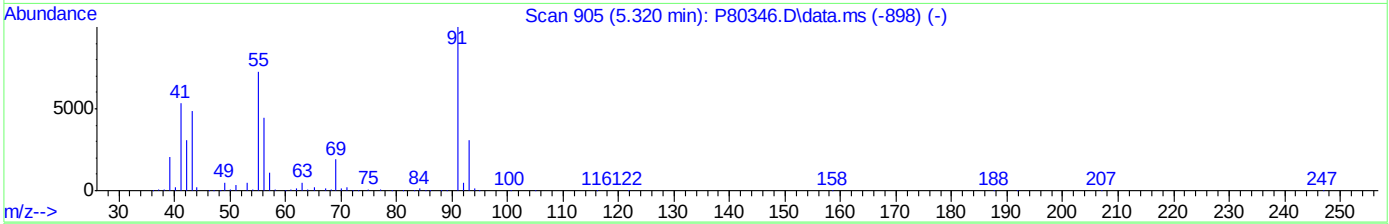
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 4.27ug/L

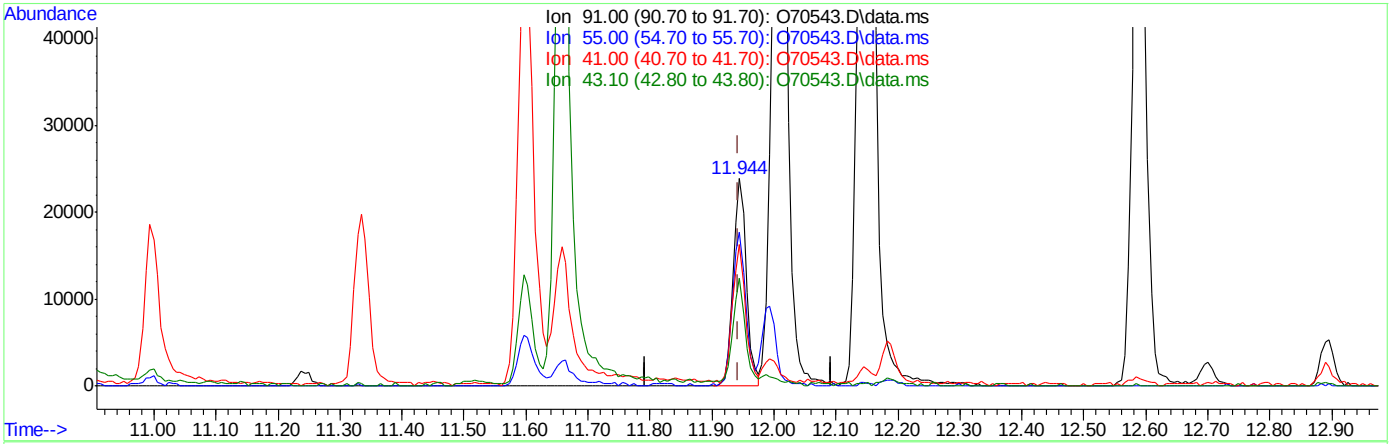
response 32323

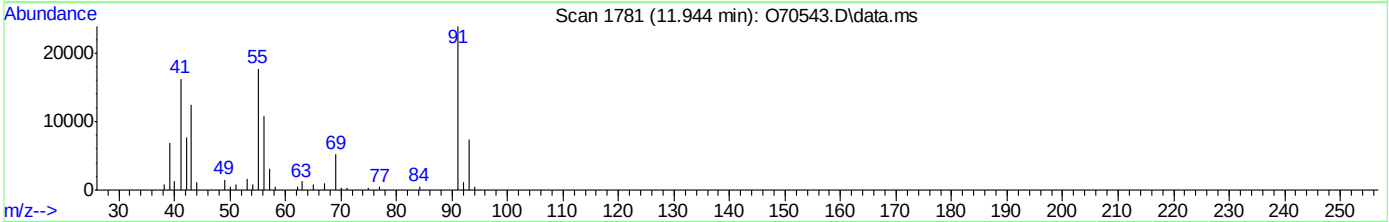
Ion	Exp%	Act%
91.00	100	100
55.00	71.00	74.29
41.00	56.50	65.14
43.10	44.30	49.36

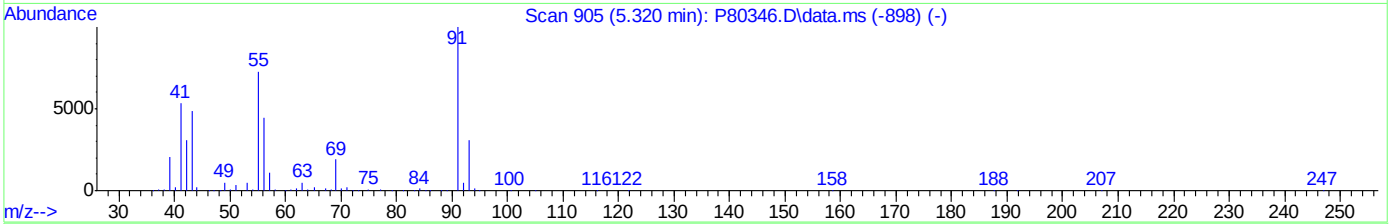
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 4.62ug/L m

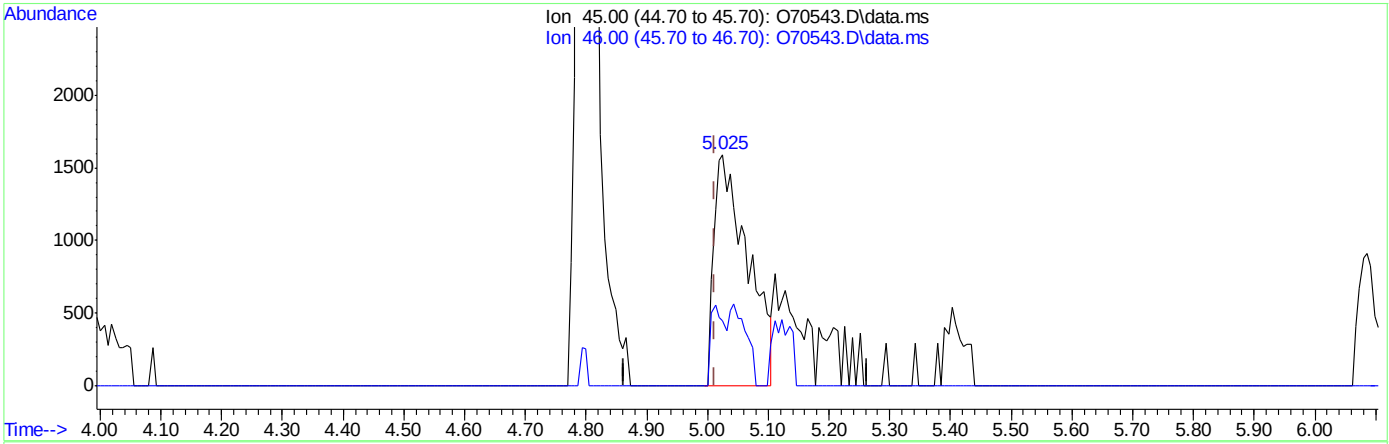
response 34952

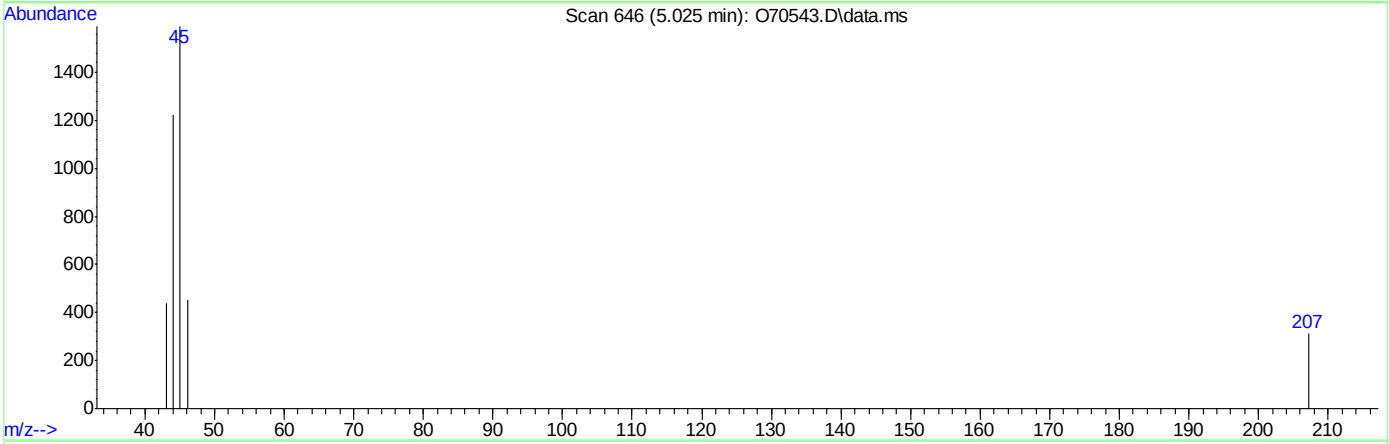
Ion	Exp%	Act%
91.00	100	100
55.00	71.00	74.29
41.00	56.50	68.15
43.10	44.30	51.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:07:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70543.D\data.ms

(10) Ethanol

5.025min (+0.012) 109.19ug/L

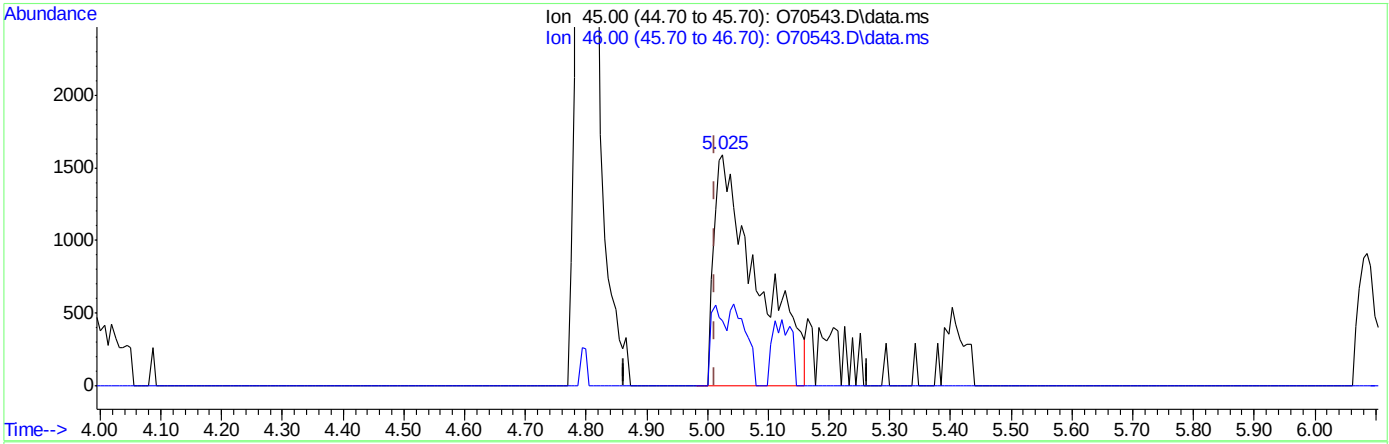
response 6109

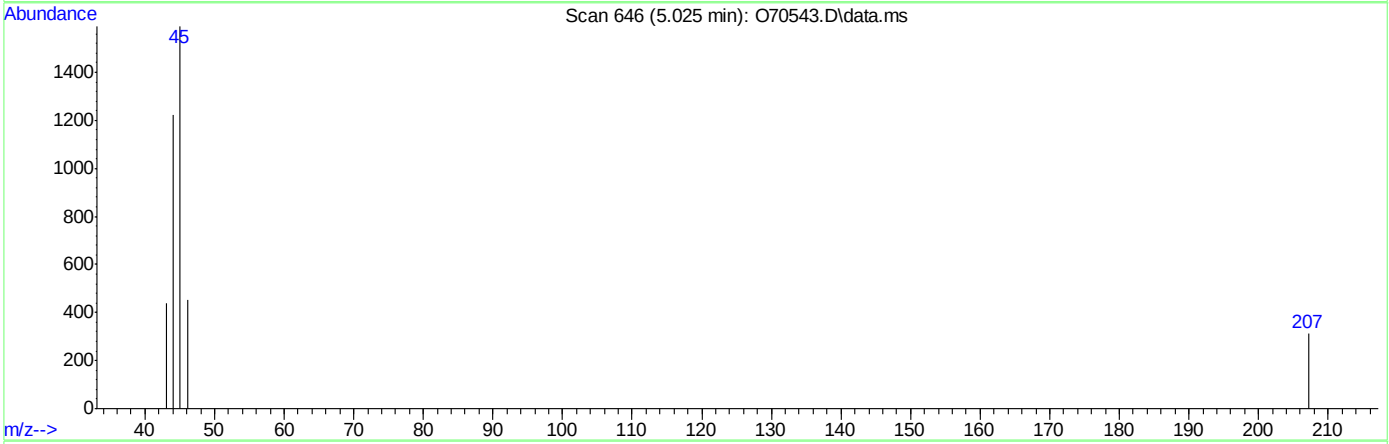
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	28.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:07:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70543.D\data.ms

(10) Ethanol

5.025min (+0.012) 139.01ug/L m

response 7777

Ion	Exp%	Act%
45.00	100	100
46.00	42.90	28.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 16:10:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1732924	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1356839	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	702377	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	488694	50.24	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.48%			
50) 1,2-Dichloroethane-d4	8.549	65	529069	52.86	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 105.72%			
63) Toluene-d8	10.427	98	1715525	54.90	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 109.80%			
86) 4-Bromofluorobenzene	13.207	174	569024	51.98	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	63602	7.81	ug/L	99
3) Chloromethane	3.202	50	71826	8.60	ug/L	98
4) 1,3-butadiene	3.379	39	53190	6.97	ug/L	95
5) Vinyl Chloride	3.349	62	81674	8.98	ug/L	96
6) Bromomethane	3.897	94	42399	11.83	ug/L	92
7) Chloroethane	4.111	64	52300	8.30	ug/L	99
8) Trichlorofluoromethane	4.336	101	118984	9.23	ug/L	98
9) Ethyl Ether	4.800	59	56040	8.60	ug/L	94
10) Ethanol	5.019	45	9944m	175.57	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	65938	7.78	ug/L	97
12) 1,1-Dichloroethene	5.086	61	93694	7.89	ug/L	98
13) Freon 113	5.147	101	60934	7.61	ug/L	93
14) Carbon Disulfide	5.129	76	168961	8.55	ug/L	100
15) Iodomethane	5.293	142	22953	6.48	ug/L	96
16) Acrolein	5.549	56	71643	51.62	ug/L	99
17) Allyl chloride	5.732	41	62155	6.82	ug/L	98
18) Methylene Chloride	5.866	49	103767	8.81	ug/L	97
19) Acetone	5.927	43	121447	46.72	ug/L	98
20) Methyl acetate	6.080	43	263584	40.93	ug/L	100
21) trans-1,2-Dichloroethene	6.080	61	93769	8.05	ug/L	99
22) Hexane	6.171	56	38177m	8.40	ug/L	
23) Methyl Tert Butyl Ether	6.202	73	175435	8.27	ug/L	97
24) Tert Butyl Alcohol	6.299	59	63939	80.14	ug/L	99
25) Acetonitrile	6.519	41	69750m	74.49	ug/L	
26) Di-isopropyl ether	6.653	45	199355	8.53	ug/L	97
27) Chloroprene	6.811	53	13543	1.24	ug/L	93
28) 1,1-Dichloroethane	6.836	63	118005	8.01	ug/L	100
29) Acrylonitrile	6.897	52	93203	37.40	ug/L	96
30) ETBE	7.092	59	193218	8.34	ug/L	99
31) Vinyl acetate	7.110	43	560575	34.22	ug/L	98
32) cis-1,2-Dichloroethene	7.470	96	70395	8.23	ug/L	91
33) 2,2-Dichloropropane	7.598	77	88110	8.13	ug/L	96
34) Bromochloromethane	7.695	128	40900	8.56	ug/L	96
35) Cyclohexane	7.708	56	97339	7.83	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 16:10:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	126401	8.46	ug/L	96
37) Ethyl acetate	7.872	43	276451	35.30	ug/L	99
38) Tetrahydrofuran	7.964	42	22353	8.80	ug/L	94
40) Carbon Tetrachloride	7.939	117	91142	7.81	ug/L	99
41) 1,1,1-Trichloroethane	8.012	97	107849	8.04	ug/L	98
42) 2-Butanone	8.098	43	188250	47.07	ug/L	98
43) 1,1-Dichloropropene	8.140	75	88807	7.98	ug/L	97
44) tert-Butyl formate	8.244	59	236204	53.82	ug/L	98
45) Propionitrile	8.427	54	85079	62.83	ug/L	90
46) Methacrylonitrile	8.445	41	401193	65.80	ug/L	98
47) Benzene	8.409	78	262727	8.18	ug/L	98
48) TAME	8.494	73	167716	7.61	ug/L	96
49) Isobutyl alcohol	8.567	43	33817	117.12	ug/L	95
51) 1,2-Dichloroethane	8.622	62	106484	8.64	ug/L	98
52) Tert Amyl Alcohol	8.677	59	42618	75.59	ug/L	94
53) Trichloroethene	9.018	95	72878	8.01	ug/L	95
54) Methylcyclohexane	9.012	83	80535	7.94	ug/L	98
55) Dibromomethane	9.463	93	45259	7.98	ug/L	93
56) 1,2-Dichloropropane	9.555	63	67722	8.43	ug/L	96
57) Bromodichloromethane	9.604	83	82257	8.21	ug/L	97
58) Methyl methacrylate	9.725	41	40002	6.25	ug/L	94
59) 1,4-Dioxane	9.811	88	13152	175.12	ug/L	87
60) 2-Chloroethyl vinyl ether	10.146	63	242946	47.38	ug/L	95
61) cis-1,3-Dichloropropene	10.244	75	91585	8.29	ug/L	99
64) Toluene	10.481	91	279832	9.24	ug/L	100
65) 2-Nitropropane	10.719	41	81604	48.42	ug/L	99
66) 4-Methyl-2-pentanone	10.829	43	388659	54.69	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	83098	9.02	ug/L	99
68) Tetrachloroethene	10.884	166	80733	9.12	ug/L	97
69) Ethyl methacrylate	10.994	69	57262	7.05	ug/L	96
70) 1,1,2-Trichloroethane	11.054	83	54133	9.93	ug/L	98
71) Dibromochloromethane	11.243	129	69583	9.49	ug/L	97
72) 1,3-Dichloropropane	11.335	76	109360	9.79	ug/L	96
73) 1,2-Dibromoethane	11.506	107	68356	9.77	ug/L	96
74) 3,3-dimethyl-1-butanol	11.597	57	253174	457.24	ug/L	97
75) 2-hexanone	11.658	43	266263	53.37	ug/L	99
76) 1-Chlorohexane	11.945	91	75759m	9.74	ug/L	
77) Ethylbenzene	12.006	91	315512	9.24	ug/L	98
78) Chlorobenzene	12.012	112	191846	9.46	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	67827	9.72	ug/L	97
80) m,p-Xylene	12.146	91	478681	18.70	ug/L	100
81) o-Xylene	12.591	91	232373	9.60	ug/L	99
82) Styrene	12.640	104	159517	9.04	ug/L	98
83) Bromoform	12.701	173	41791	9.93	ug/L	97
84) Isopropylbenzene	12.890	105	285116	9.55	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.255	53	17251	7.60	ug/L	94
88) n-Propylbenzene	13.310	91	327407	10.22	ug/L	99
89) Bromobenzene	13.335	156	85779	10.33	ug/L	97
90) 1,1,2,2-Tetrachloroethane	13.377	83	88280	10.29	ug/L	96
91) 1,3,5-Trimethylbenzene	13.493	105	233905	10.18	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 16:10:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

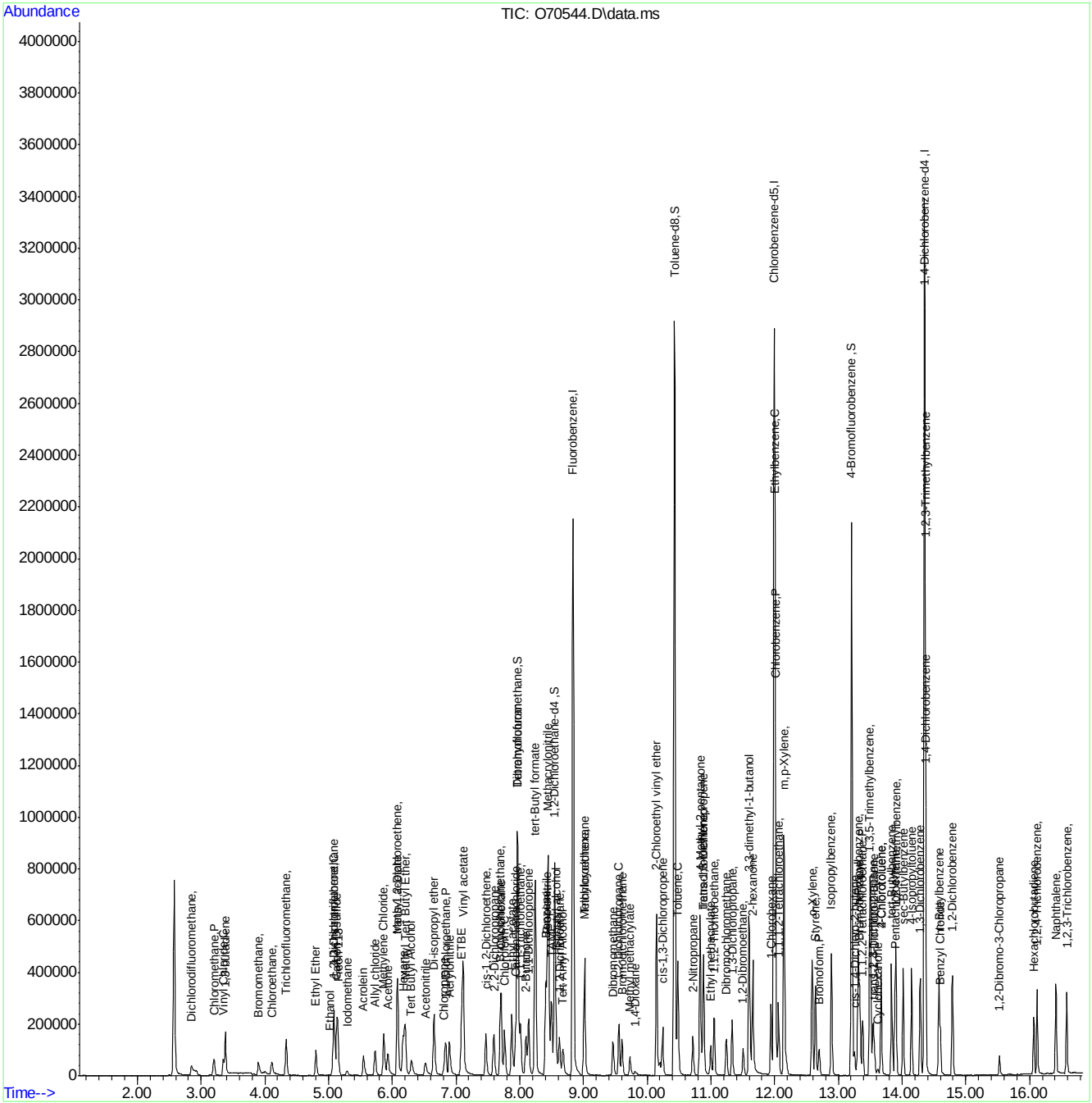
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	13.670	91	202552	9.96	ug/L		99
93)	trans-1,4-Dichloro-2-B...	13.566	53	22932	10.72	ug/L		90
94)	1,2,3-Trichloropropane	13.548	110	27771	9.79	ug/L		99
95)	Cyclohexanone	13.621	55	10283	51.44	ug/L		93
96)	4-Chlorotoluene	13.670	91	202552	9.96	ug/L		99
97)	tert-Butylbenzene	13.834	91	125351	10.20	ug/L		97
99)	1,2,4-Trimethylbenzene	13.908	105	230607	10.37	ug/L		96
100)	Pentachloroethane	13.889	167	32348	7.90	ug/L		98
101)	sec-Butylbenzene	14.017	105	251805	10.28	ug/L		99
102)	4-Isopropyltoluene	14.151	119	222025	10.31	ug/L		99
103)	1,3-Dichlorobenzene	14.286	146	147235	10.26	ug/L		100
104)	1,2,3-Trimethylbenzene	14.365	105	244438	10.42	ug/L		97
105)	1,4-Dichlorobenzene	14.371	146	159838	10.34	ug/L		98
106)	n-Butylbenzene	14.578	92	108254	10.31	ug/L		99
107)	Benzyl Chloride	14.603	126	22298	8.99	ug/L	#	79
108)	1,2-Dichlorobenzene	14.792	146	143205	10.37	ug/L		99
109)	1,2-Dibromo-3-Chloropr...	15.529	75	13053	9.86	ug/L		89
110)	Hexachlorobutadiene	16.066	225	32489	11.16	ug/L		98
111)	1,2,4-Trichlorobenzene	16.121	180	84710	10.41	ug/L		99
112)	Naphthalene	16.413	128	232915	11.02	ug/L		99
113)	1,2,3-Trichlorobenzene	16.584	180	84091	10.41	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 16:10:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

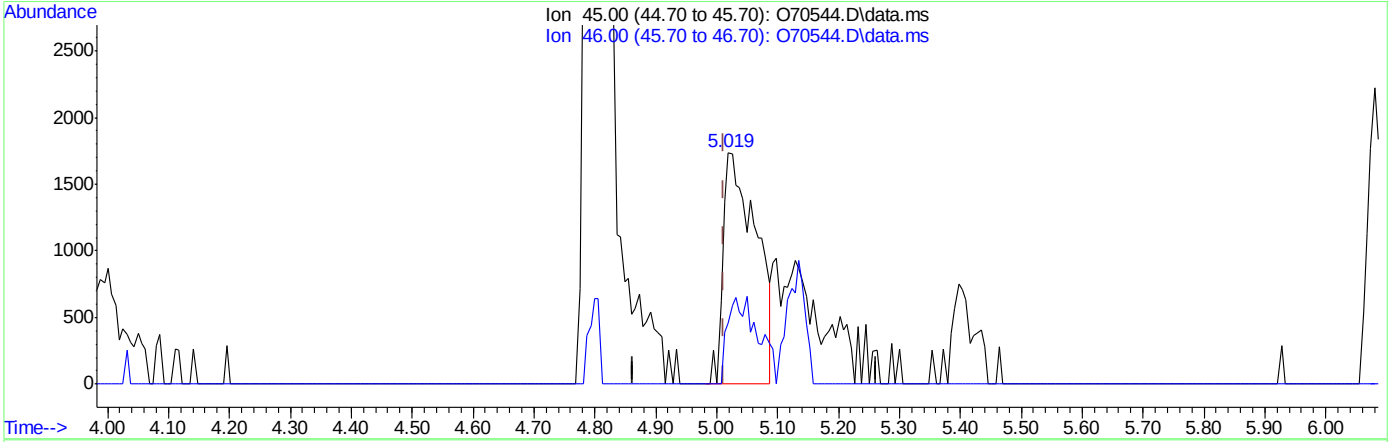
Sample Number: VO2796-IC2796
Lab FileID: O70544.D
Injection Time: 08/23/22 13:30
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

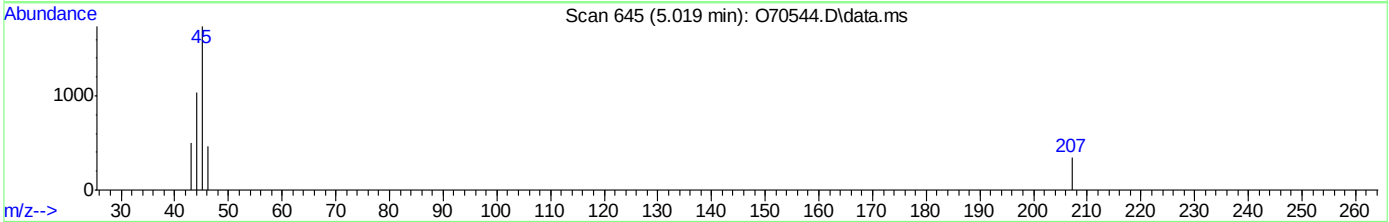
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.02	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.52	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

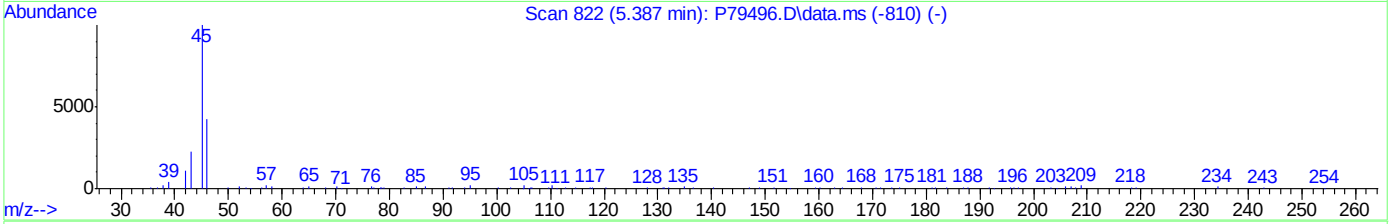
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(10) Ethanol

5.019min (+0.006) 114.28ug/L

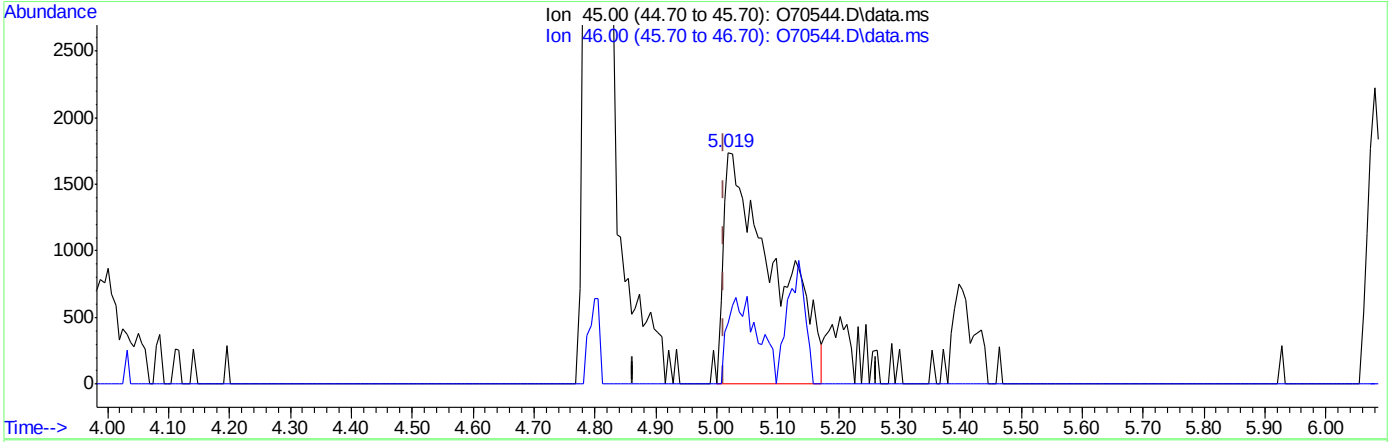
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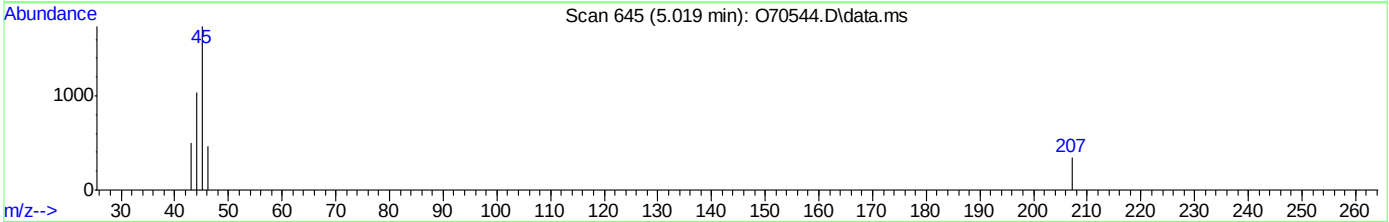
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	26.41
0.00	0.00	0.00
0.00	0.00	0.00

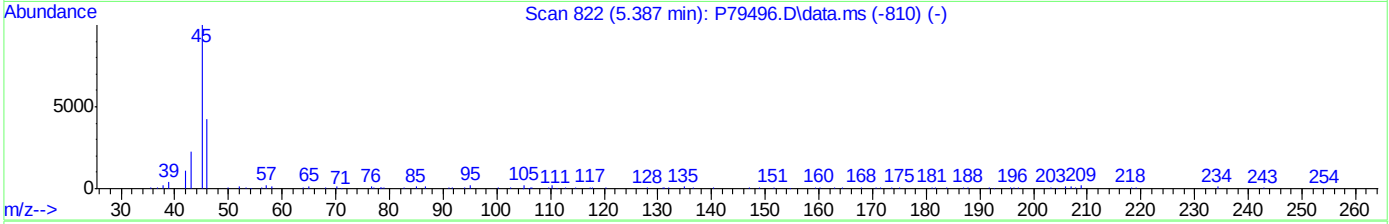
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(10) Ethanol

5.019min (+0.006) 175.57ug/L m

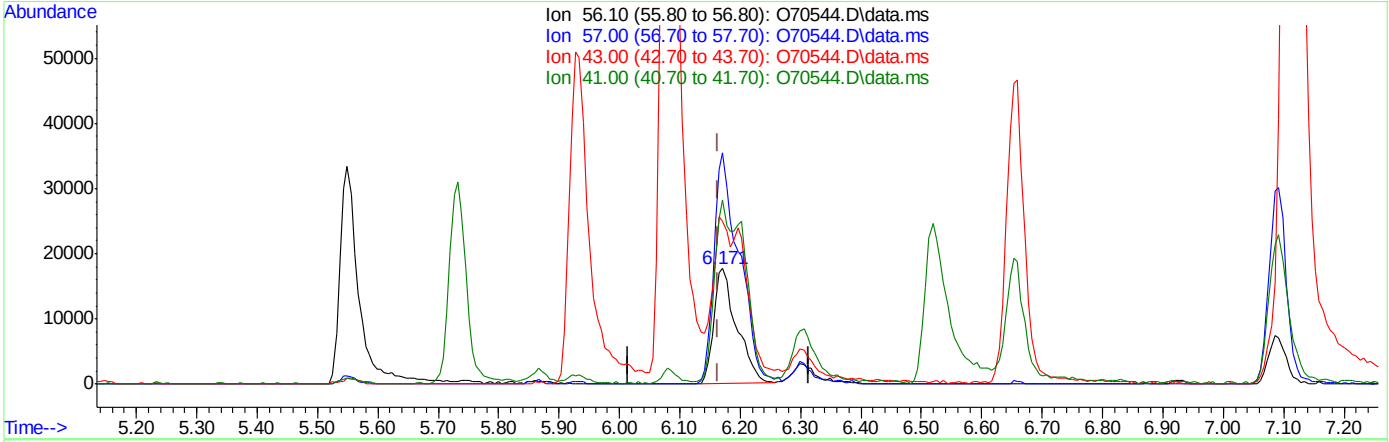
response 9944

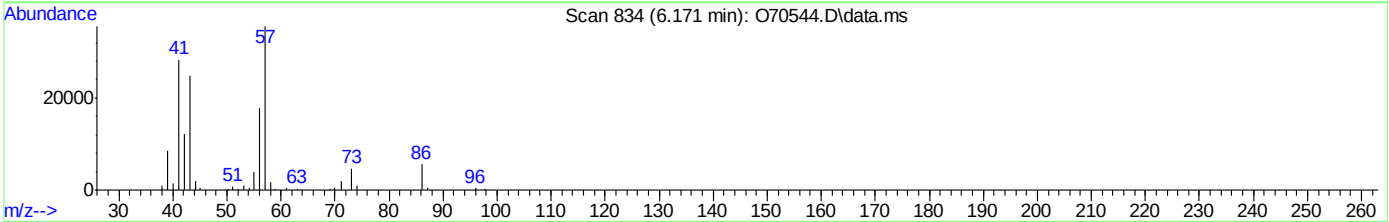
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	26.41
0.00	0.00	0.00
0.00	0.00	0.00

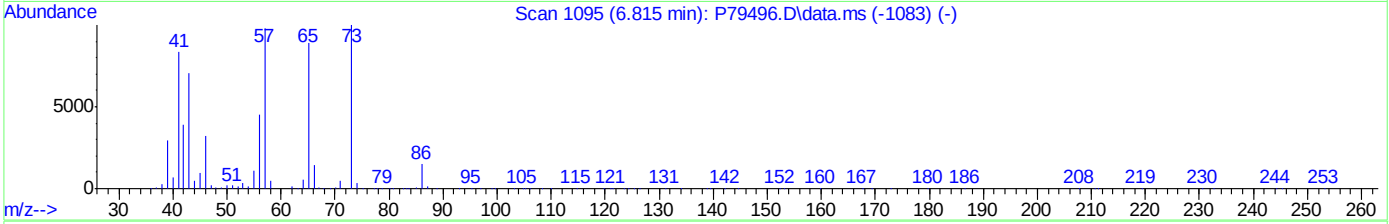
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(22) Hexane

6.171min (+0.006) 10.24ug/L

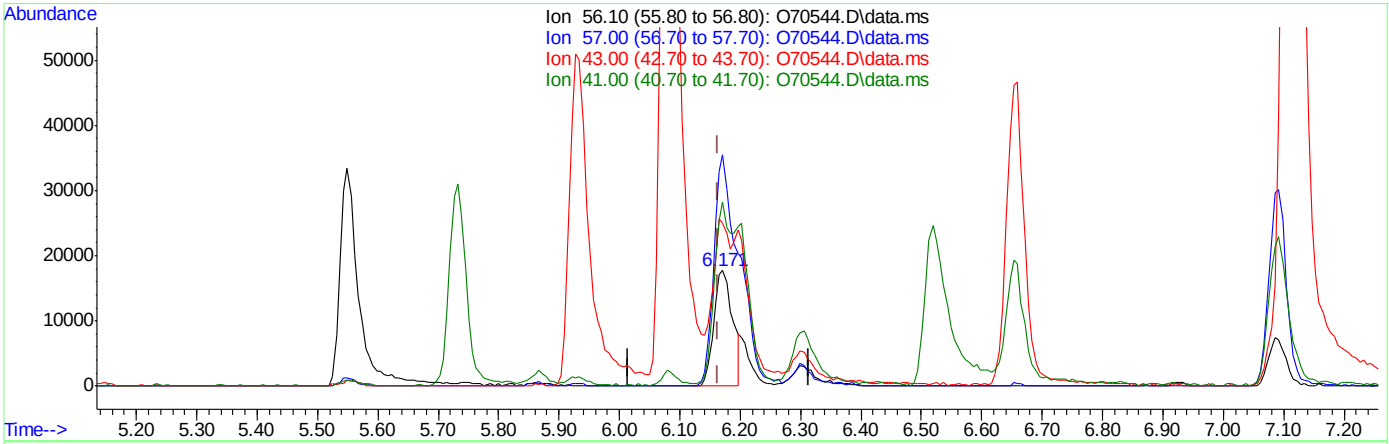
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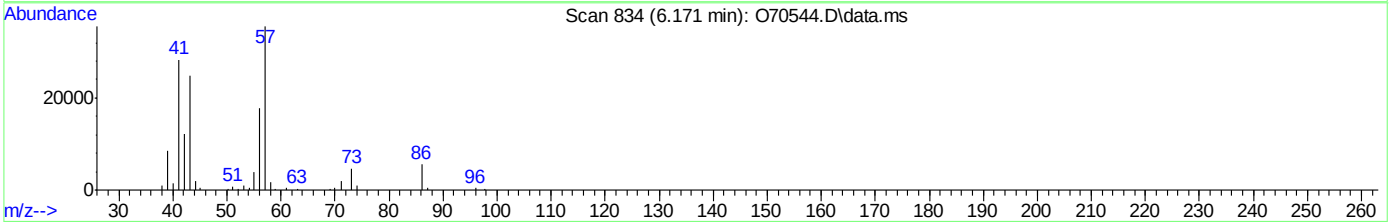
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	196.97
43.00	139.80	128.97
41.00	146.00	156.11

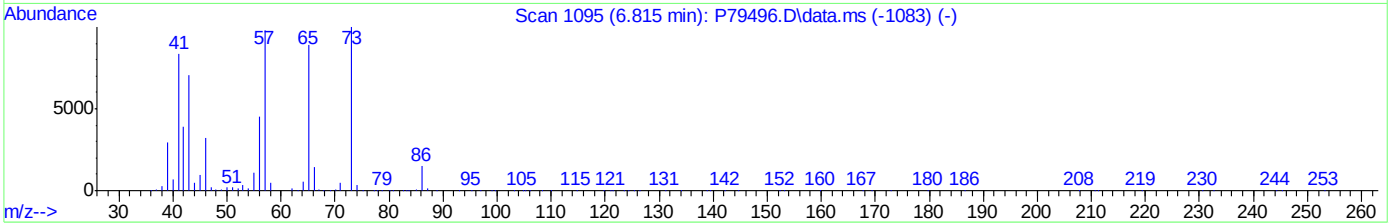
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(22) Hexane

6.171min (+0.006) 8.40ug/L m

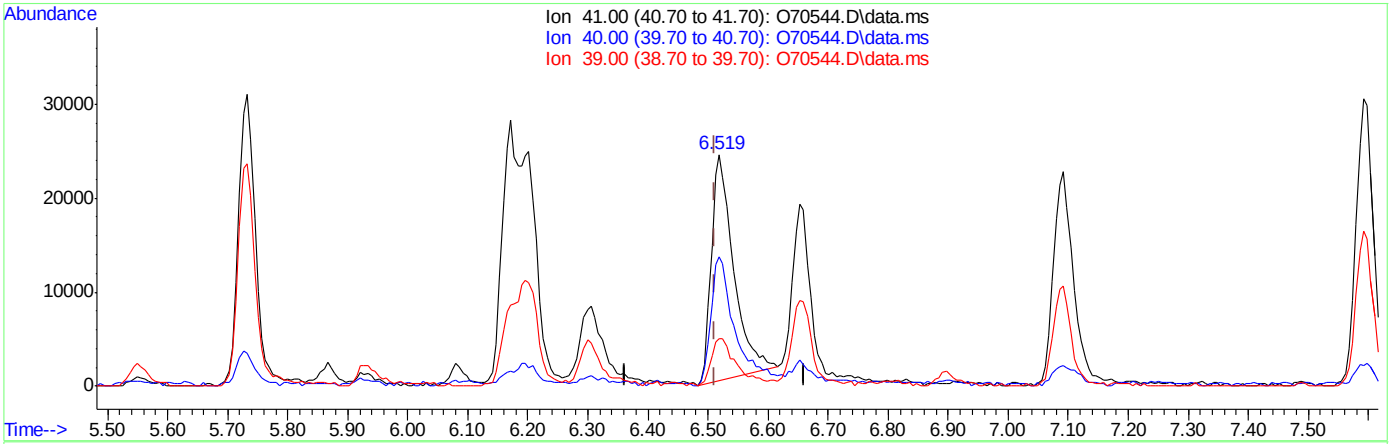
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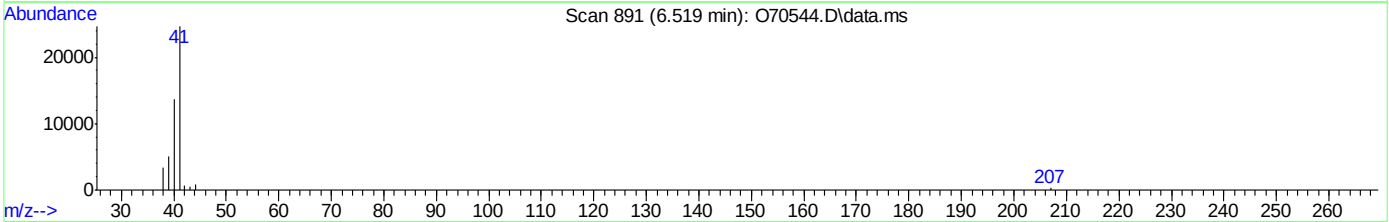
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	200.68
43.00	139.80	140.70
41.00	146.00	159.89

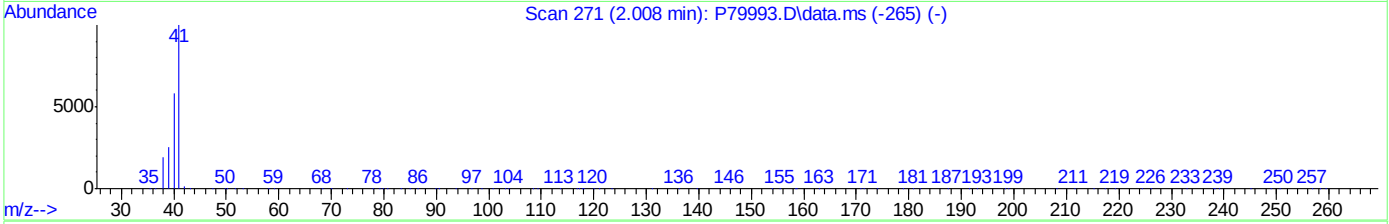
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 66.11ug/L

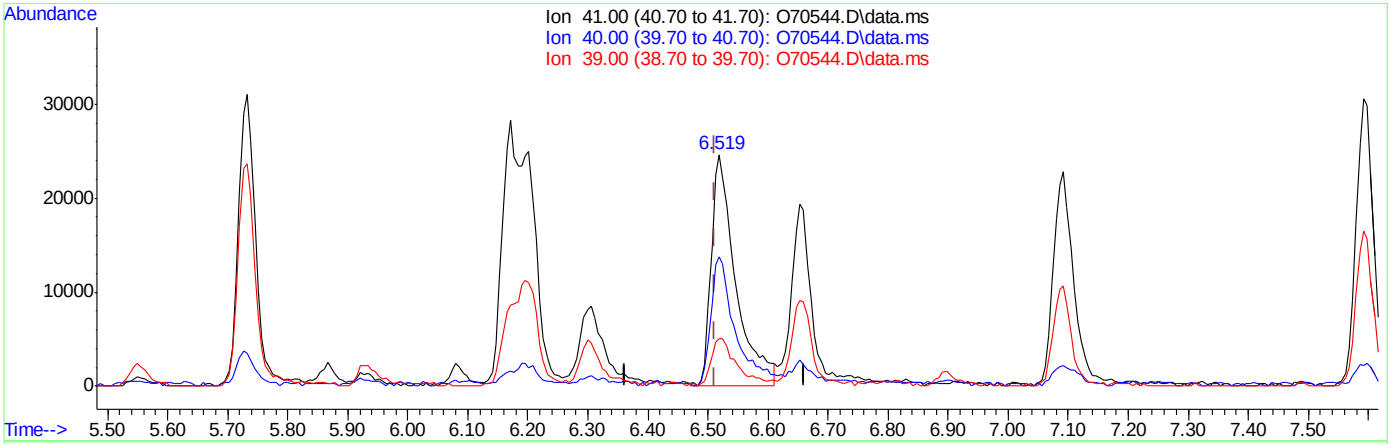
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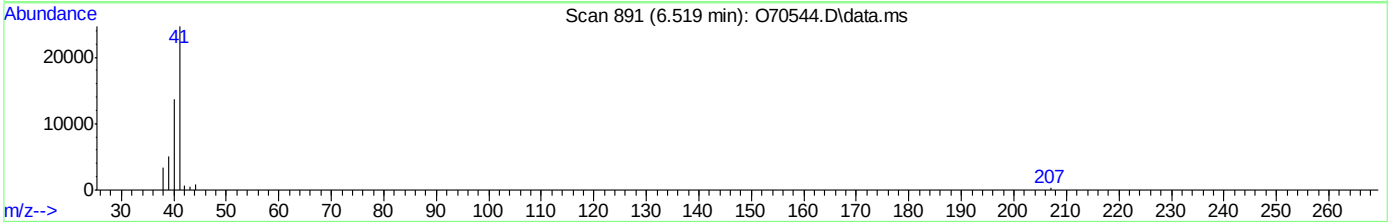
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	55.80
39.00	19.60	20.48
0.00	0.00	0.00

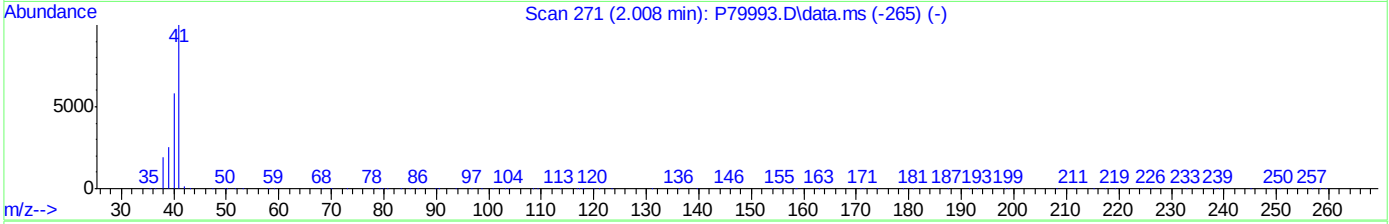
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 74.49ug/L m

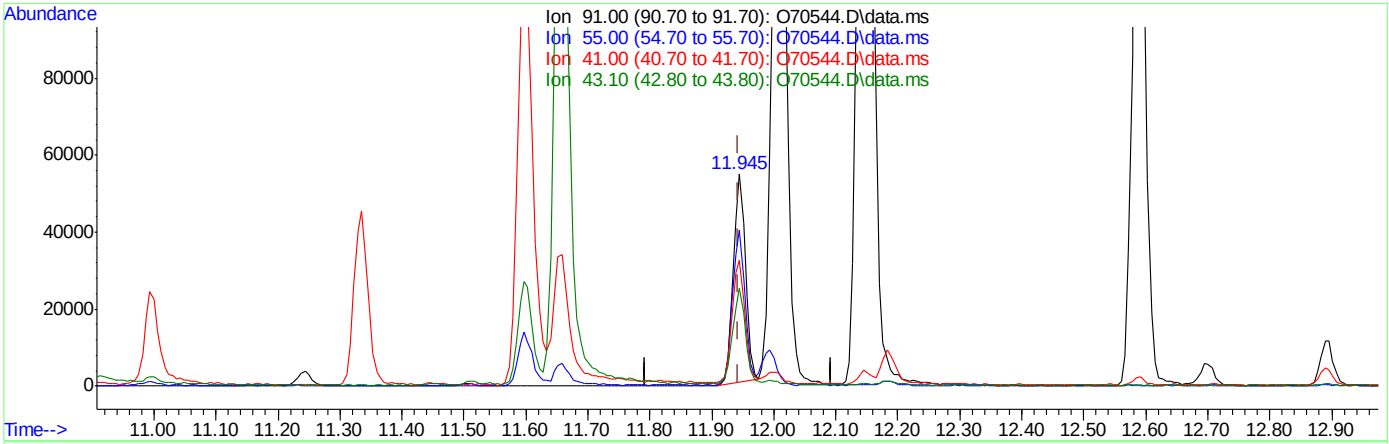
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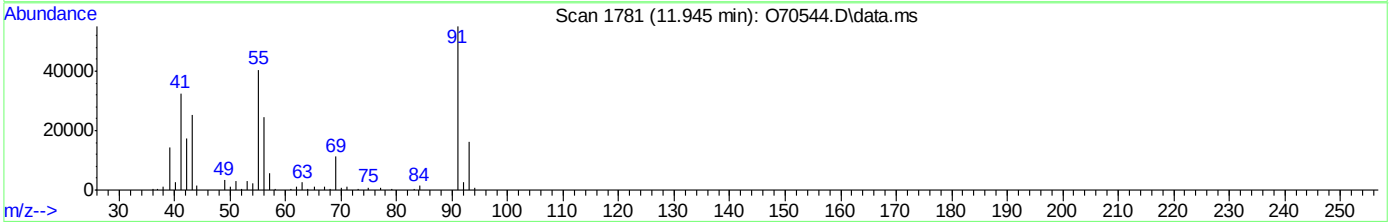
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	55.80
39.00	19.60	20.48
0.00	0.00	0.00

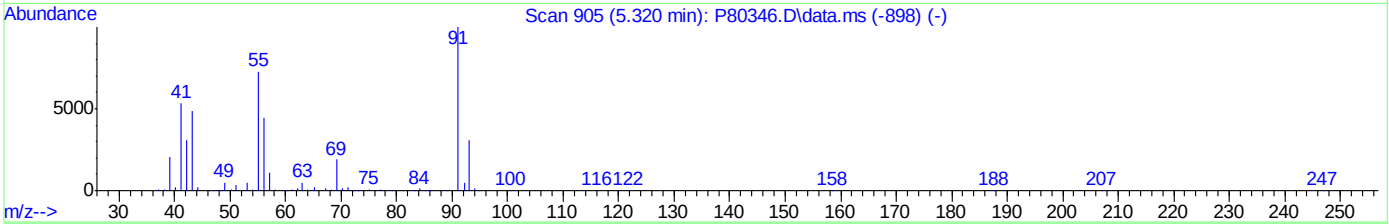
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(76) 1-Chlorohexane

11.945min (+0.001) 9.32ug/L

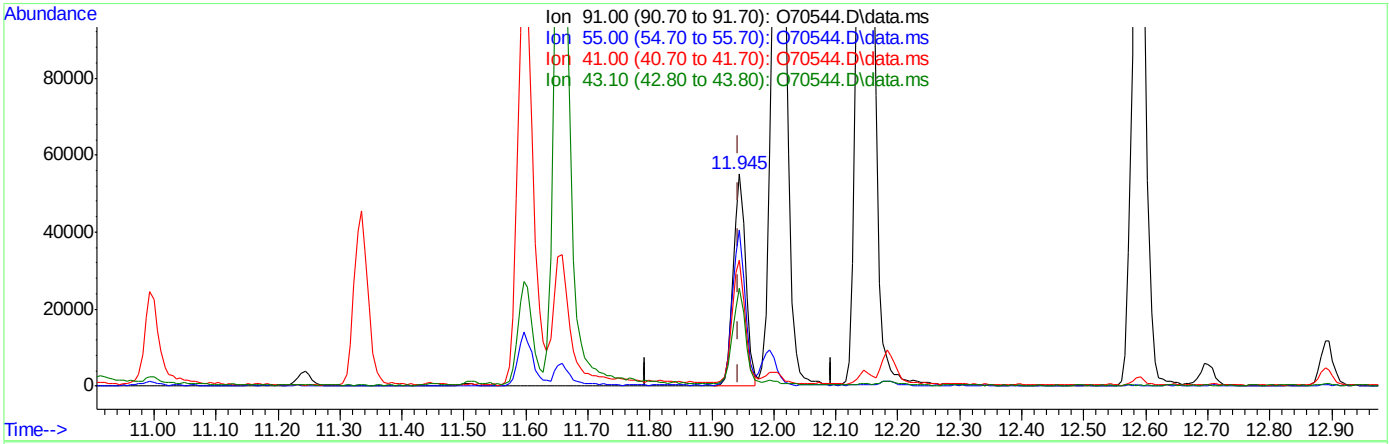
response 72510

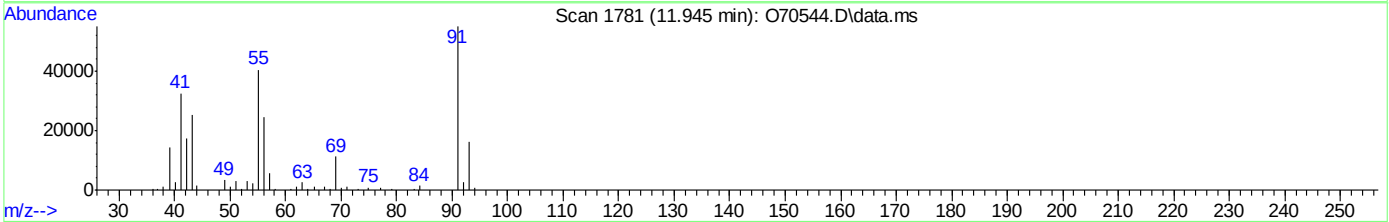
Ion	Exp%	Act%
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55.00	71.00	72.88
41.00	56.50	57.63
43.10	44.30	44.66

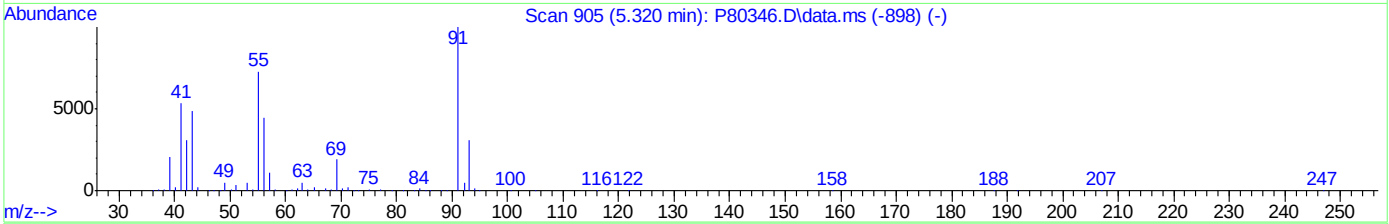
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(76) 1-Chlorohexane

11.945min (+0.001) 9.74ug/L m

response 75759

Ion	Exp%	Act%
91.00	100	100
55.00	71.00	73.50
41.00	56.50	59.26
43.10	44.30	46.07

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 16:13:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1714056	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1346148	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	700151	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	489679	50.90	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.80%			
50) 1,2-Dichloroethane-d4	8.549	65	496873	50.19	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.38%			
63) Toluene-d8	10.427	98	1692991	54.61	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 109.22%			
86) 4-Bromofluorobenzene	13.206	174	555756	50.93	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	145108	18.02	ug/L	98
3) Chloromethane	3.202	50	169865	20.55	ug/L	99
4) 1,3-butadiene	3.379	39	150890	19.99	ug/L	99
5) Vinyl Chloride	3.343	62	187273	20.83	ug/L	98
6) Bromomethane	3.897	94	93014	25.64	ug/L	96
7) Chloroethane	4.105	64	120667	20.27	ug/L	98
8) Trichlorofluoromethane	4.330	101	267925	21.02	ug/L	99
9) Ethyl Ether	4.800	59	126718	19.65	ug/L	97
10) Ethanol	5.019	45	29493m	526.44	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	162320	19.36	ug/L	95
12) 1,1-Dichloroethene	5.086	61	227498	19.37	ug/L	99
13) Freon 113	5.141	101	144466	18.24	ug/L	89
14) Carbon Disulfide	5.129	76	422663	21.10	ug/L	100
15) Iodomethane	5.287	142	87977	21.76	ug/L	99
16) Acrolein	5.543	56	155511	113.29	ug/L	99
17) Allyl chloride	5.726	41	195919	21.34	ug/L	97
18) Methylene Chloride	5.866	49	227842	19.57	ug/L	98
19) Acetone	5.927	43	224092	87.16	ug/L	99
20) Methyl acetate	6.080	43	622832	97.79	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	232106	20.16	ug/L	97
22) Hexane	6.165	56	89321m	19.86	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	405704	19.33	ug/L	96
24) Tert Butyl Alcohol	6.299	59	147951	187.48	ug/L	99
25) Acetonitrile	6.513	41	209539m	226.23	ug/L	
26) Di-isopropyl ether	6.653	45	482569	20.87	ug/L	100
27) Chloroprene	6.805	53	42149	3.90	ug/L	95
28) 1,1-Dichloroethane	6.836	63	288904	19.83	ug/L	99
29) Acrylonitrile	6.891	52	261545	106.12	ug/L	99
30) ETBE	7.086	59	468258	20.44	ug/L	99
31) Vinyl acetate	7.110	43	1628959	100.55	ug/L	99
32) cis-1,2-Dichloroethene	7.470	96	169458	20.02	ug/L	98
33) 2,2-Dichloropropane	7.592	77	217742	20.32	ug/L	97
34) Bromochloromethane	7.695	128	93246	19.73	ug/L	97
35) Cyclohexane	7.708	56	238961	19.44	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 16:13:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	303209	20.51	ug/L	98
37) Ethyl acetate	7.872	43	781759	100.93	ug/L	99
38) Tetrahydrofuran	7.957	42	50705	19.94	ug/L	96
40) Carbon Tetrachloride	7.939	117	227770	19.74	ug/L	99
41) 1,1,1-Trichloroethane	8.006	97	265619	20.02	ug/L	96
42) 2-Butanone	8.098	43	351592	88.88	ug/L	99
43) 1,1-Dichloropropene	8.140	75	216525	19.68	ug/L	97
44) tert-Butyl formate	8.244	59	523159	115.85	ug/L	99
45) Propionitrile	8.421	54	263654	196.84	ug/L	98
46) Methacrylonitrile	8.445	41	1230710	204.07	ug/L	99
47) Benzene	8.409	78	635275	19.99	ug/L	99
48) TAME	8.494	73	404394	18.56	ug/L	97
49) Isobutyl alcohol	8.567	43	110181	377.15	ug/L	97
51) 1,2-Dichloroethane	8.622	62	244480	20.06	ug/L	99
52) Tert Amyl Alcohol	8.677	59	103019	184.73	ug/L	96
53) Trichloroethene	9.012	95	176233	19.57	ug/L	94
54) Methylcyclohexane	9.012	83	198496	19.79	ug/L	98
55) Dibromomethane	9.463	93	109295	19.48	ug/L	98
56) 1,2-Dichloropropane	9.555	63	160494	20.20	ug/L	96
57) Bromodichloromethane	9.604	83	204368	20.63	ug/L	99
58) Methyl methacrylate	9.725	41	137198	20.80	ug/L	97
59) 1,4-Dioxane	9.805	88	28652	386.01	ug/L	96
60) 2-Chloroethyl vinyl ether	10.146	63	550412	105.43	ug/L	97
61) cis-1,3-Dichloropropene	10.238	75	233469	21.37	ug/L	96
64) Toluene	10.481	91	682570	22.73	ug/L	100
65) 2-Nitropropane	10.713	41	216141	129.26	ug/L	98
66) 4-Methyl-2-pentanone	10.829	43	742133	104.66	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	202766	22.18	ug/L	98
68) Tetrachloroethene	10.884	166	203959	23.22	ug/L	99
69) Ethyl methacrylate	10.993	69	196473	23.60	ug/L	98
70) 1,1,2-Trichloroethane	11.048	83	125979	23.29	ug/L	96
71) Dibromochloromethane	11.243	129	175155	24.08	ug/L	97
72) 1,3-Dichloropropane	11.335	76	257118	23.21	ug/L	99
73) 1,2-Dibromoethane	11.506	107	161449	23.25	ug/L	98
74) 3,3-dimethyl-1-butanol	11.597	57	577130	1005.72	ug/L	99
75) 2-hexanone	11.652	43	507911	102.61	ug/L	99
76) 1-Chlorohexane	11.945	91	187614	24.31	ug/L	97
77) Ethylbenzene	12.005	91	773747	22.85	ug/L	99
78) Chlorobenzene	12.012	112	466564	23.19	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	167820	24.24	ug/L	95
80) m,p-Xylene	12.146	91	1198067	47.18	ug/L	99
81) o-Xylene	12.591	91	582391	24.26	ug/L	99
82) Styrene	12.639	104	423868	24.20	ug/L	98
83) Bromoform	12.700	173	107089	24.32	ug/L	99
84) Isopropylbenzene	12.889	105	713047	24.06	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	58957	26.07	ug/L	95
88) n-Propylbenzene	13.310	91	815991	25.55	ug/L	99
89) Bromobenzene	13.334	156	205968	24.89	ug/L	97
90) 1,1,2,2-Tetrachloroethane	13.377	83	208991	24.45	ug/L	98
91) 1,3,5-Trimethylbenzene	13.493	105	594234	25.93	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 16:13:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

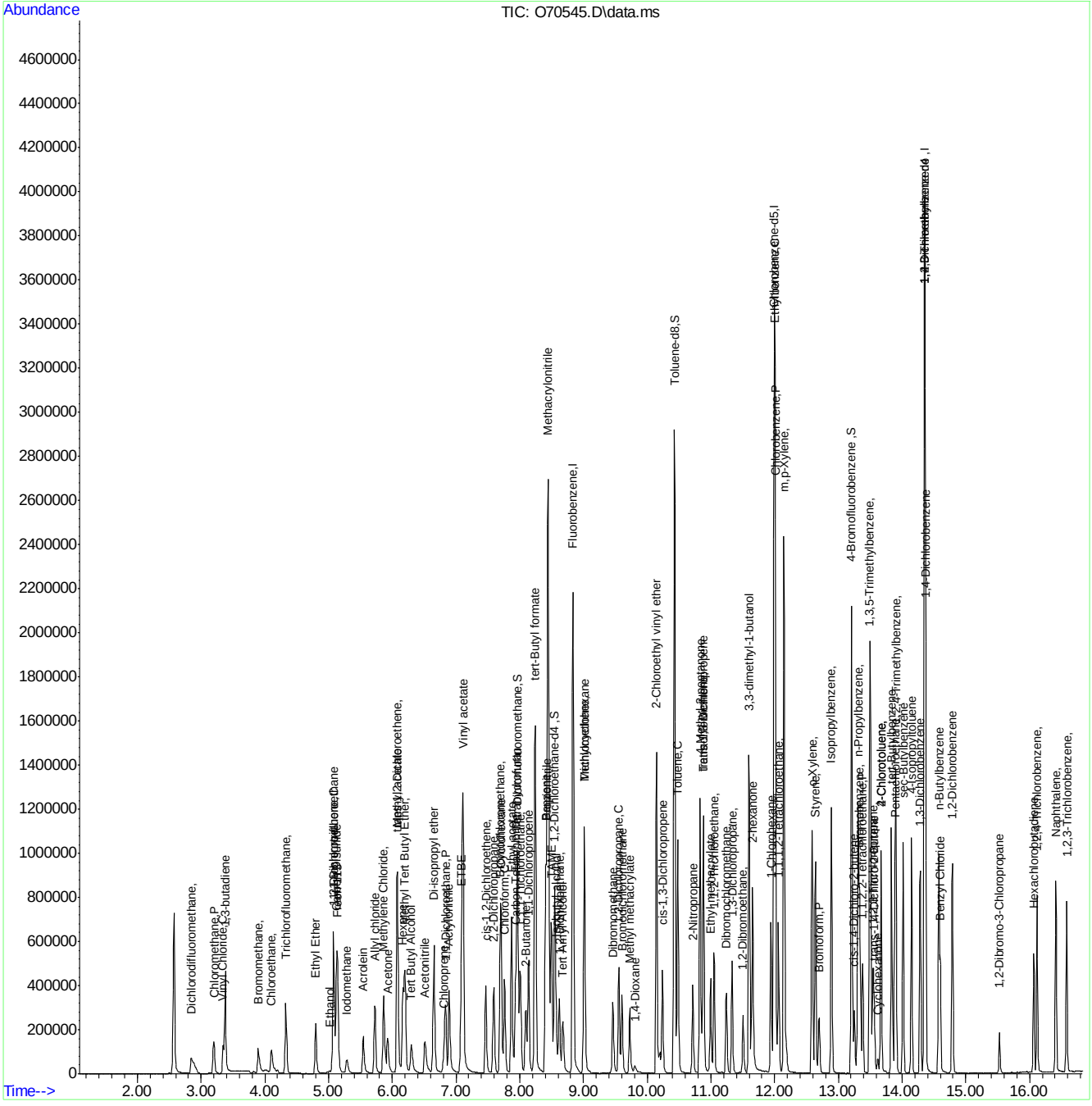
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 2-Chlorotoluene	13.670	91	506390	24.97	ug/L	99
93) trans-1,4-Dichloro-2-B...	13.566	53	56617	26.55	ug/L	93
94) 1,2,3-Trichloropropane	13.542	110	67722	23.95	ug/L	98
95) Cyclohexanone	13.615	55	26446	132.50	ug/L	97
96) 4-Chlorotoluene	13.670	91	506390	24.97	ug/L	99
97) tert-Butylbenzene	13.834	91	315492	25.75	ug/L	100
99) 1,2,4-Trimethylbenzene	13.901	105	575016	25.94	ug/L	99
100) Pentachloroethane	13.889	167	111696	27.36	ug/L	96
101) sec-Butylbenzene	14.017	105	633316	25.95	ug/L	99
102) 4-Isopropyltoluene	14.151	119	561303	26.14	ug/L	98
103) 1,3-Dichlorobenzene	14.286	146	359340	25.12	ug/L	99
104) 1,2,3-Trimethylbenzene	14.359	105	599825	25.64	ug/L	98
105) 1,4-Dichlorobenzene	14.371	146	388271	25.19	ug/L	98
106) n-Butylbenzene	14.578	92	276814	26.46	ug/L	98
107) Benzyl Chloride	14.603	126	63664	25.75	ug/L	95
108) 1,2-Dichlorobenzene	14.792	146	345403	25.09	ug/L	98
109) 1,2-Dibromo-3-Chloropr...	15.529	75	32667	24.75	ug/L	92
110) Hexachlorobutadiene	16.066	225	79768	27.83	ug/L	97
111) 1,2,4-Trichlorobenzene	16.121	180	207770	25.62	ug/L	97
112) Naphthalene	16.413	128	557430	25.76	ug/L	99
113) 1,2,3-Trichlorobenzene	16.584	180	203741	25.30	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 16:13:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

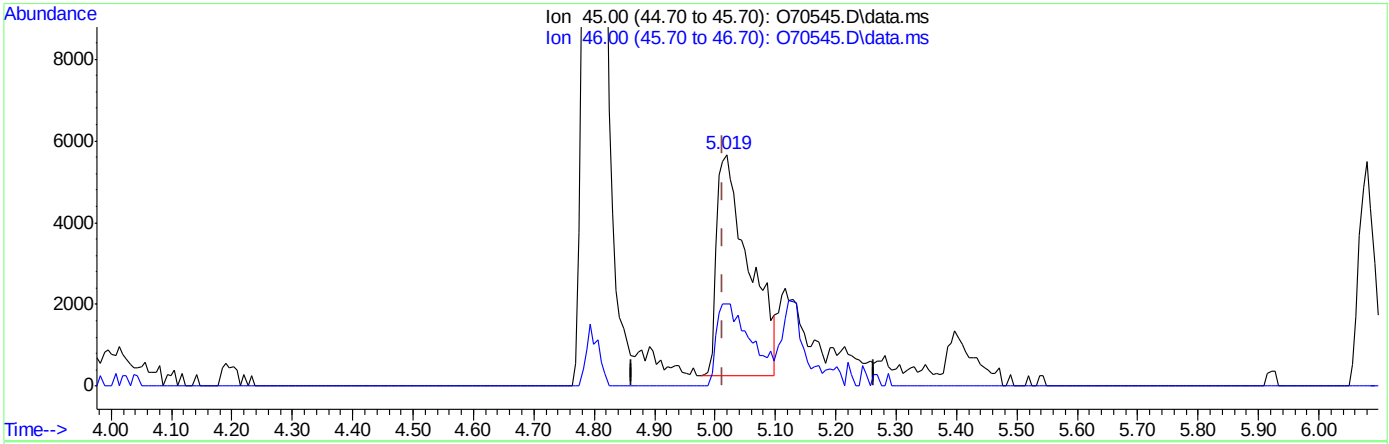
Sample Number: VO2796-IC2796
Lab FileID: O70545.D
Injection Time: 08/23/22 13:55
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

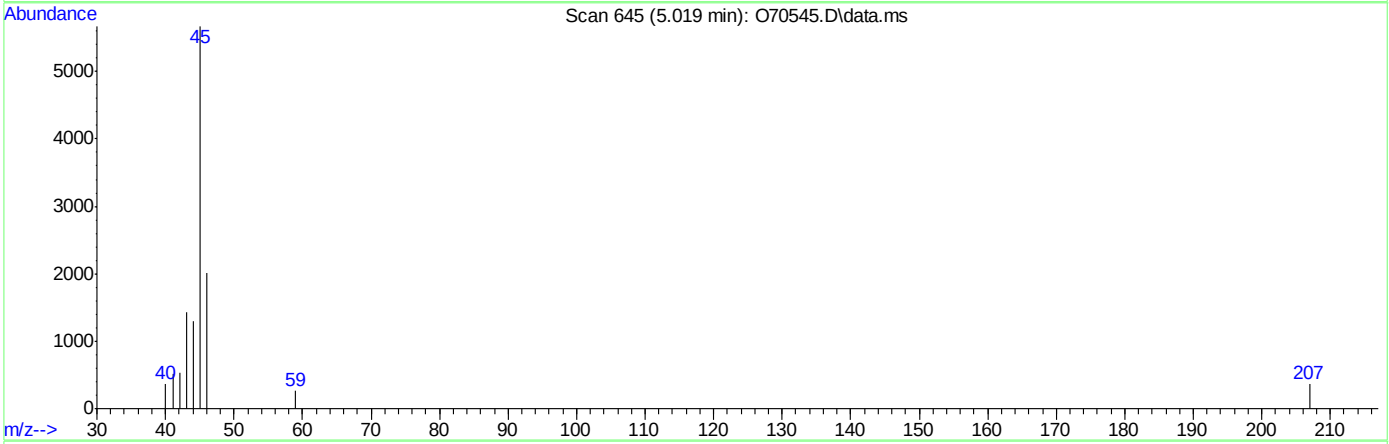
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.02	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(10) Ethanol

5.019min (+0.006) 360.71ug/L

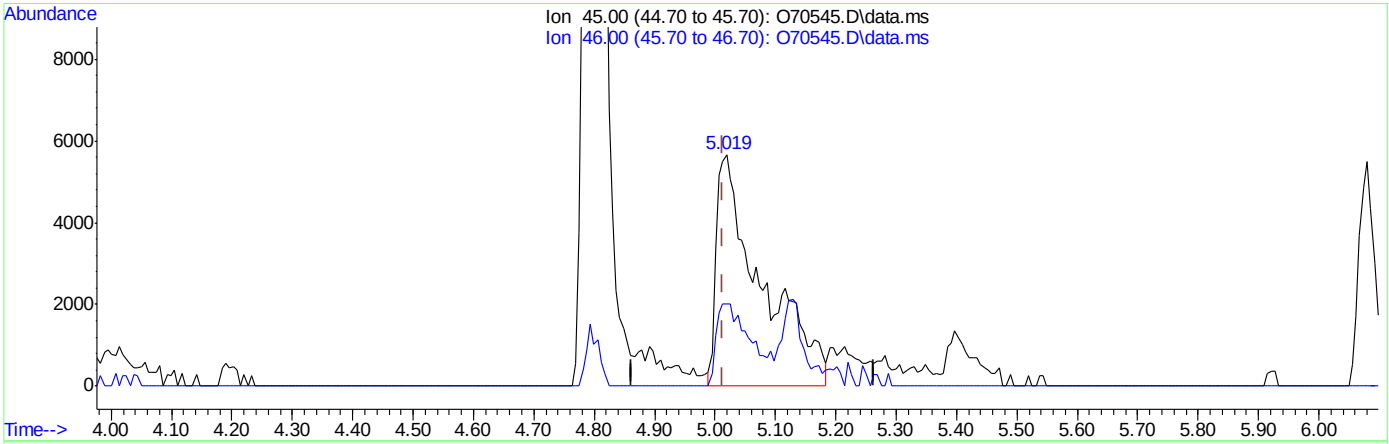
response 20208

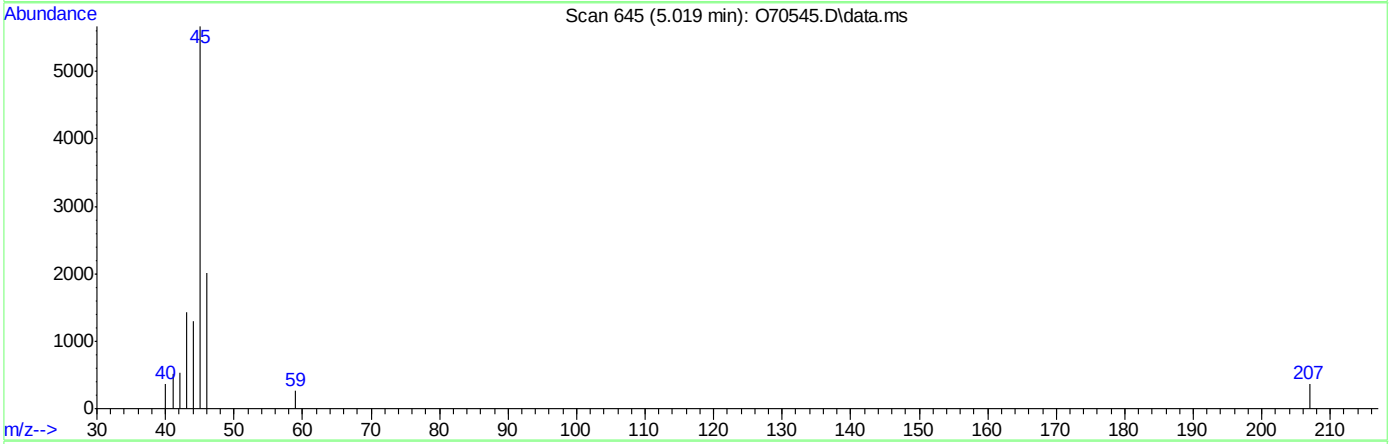
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	37.09
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(10) Ethanol

5.019min (+0.006) 526.44ug/L m

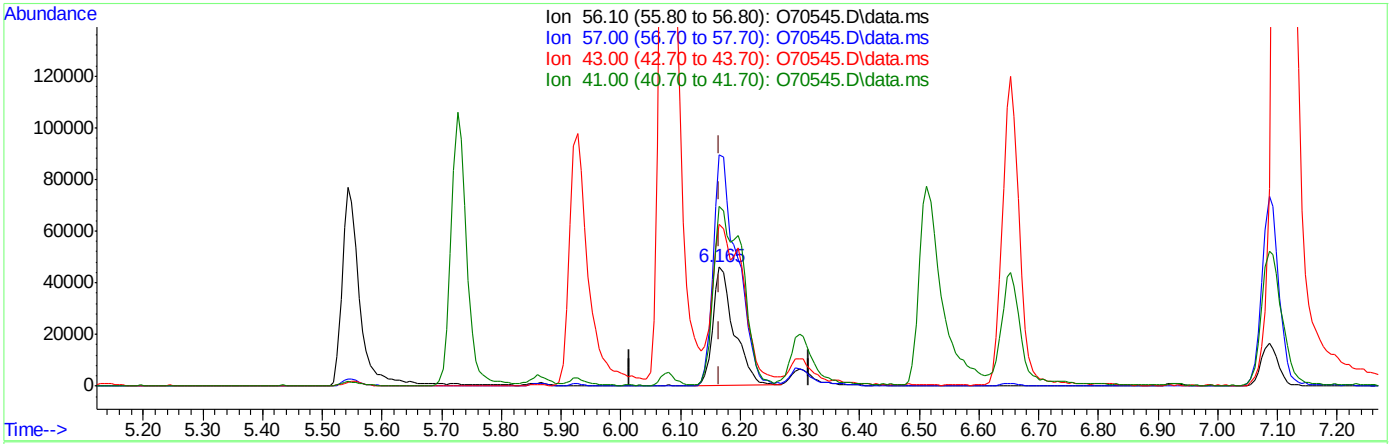
response 29493

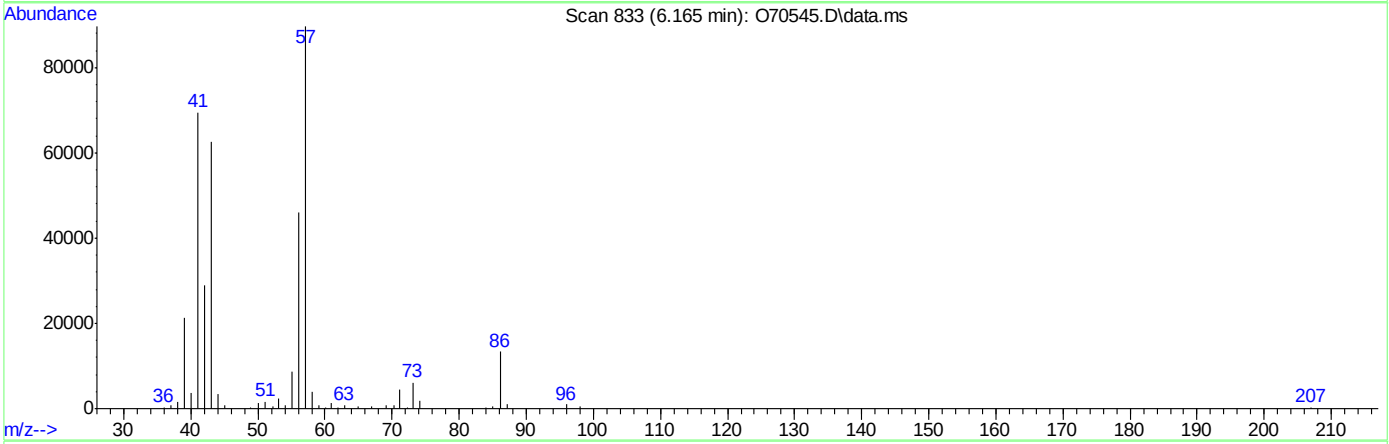
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	35.44
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(22) Hexane

6.165min (+0.000) 24.90ug/L

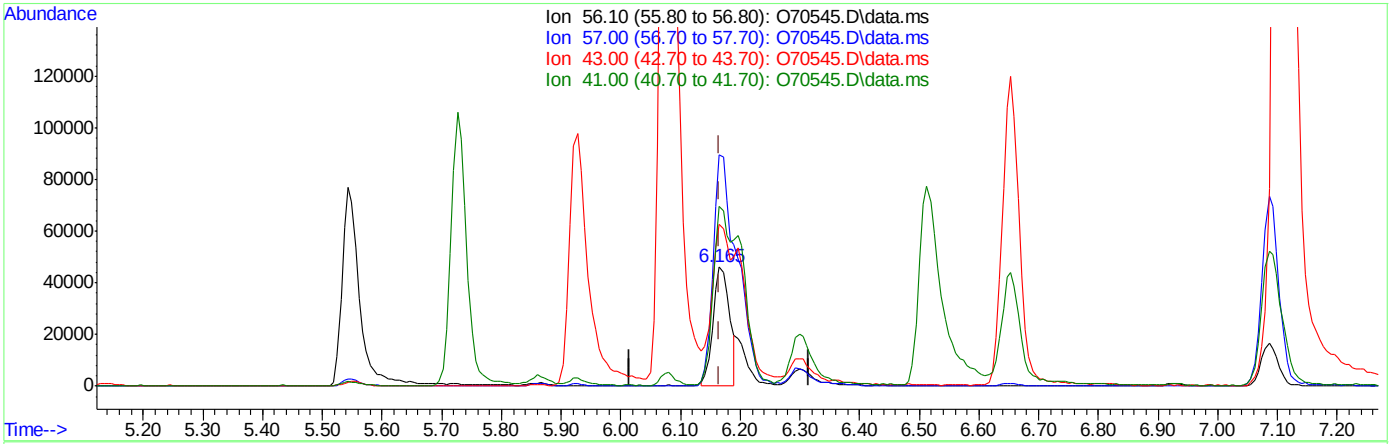
response 112017

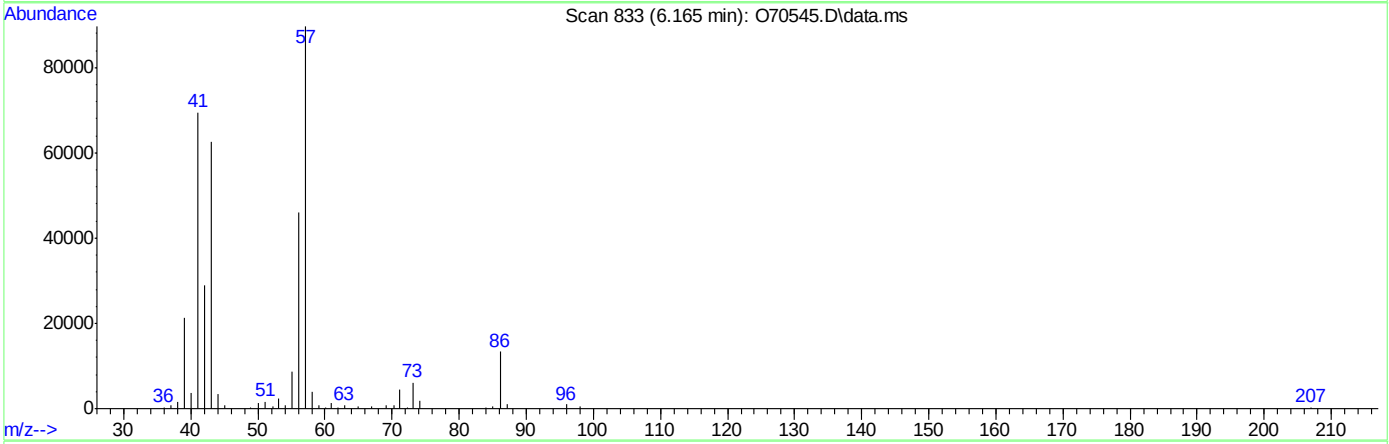
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	194.82
43.00	139.80	128.52
41.00	146.00	149.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(22) Hexane

6.165min (+0.000) 19.86ug/L m

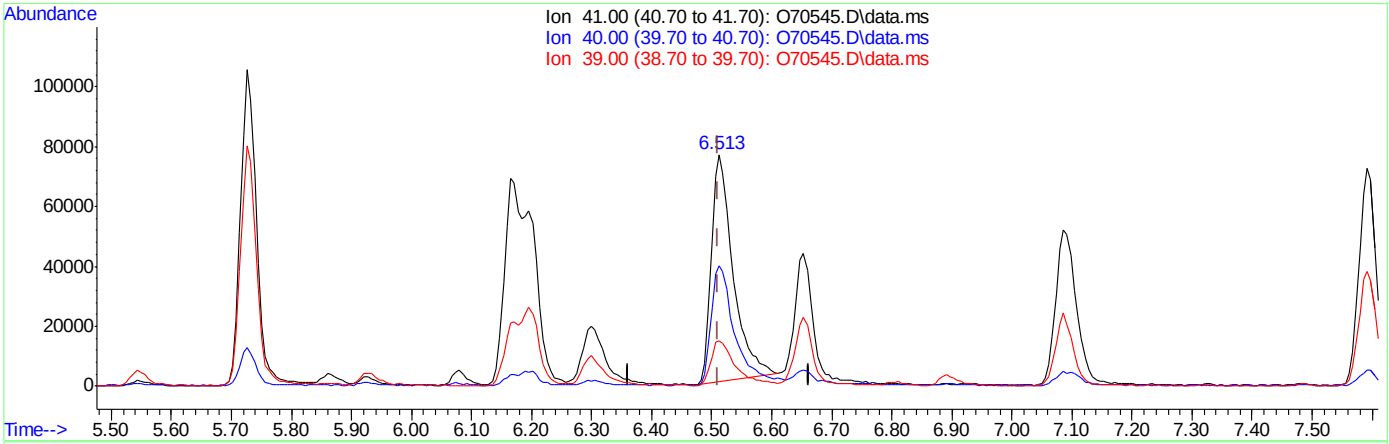
response 89321

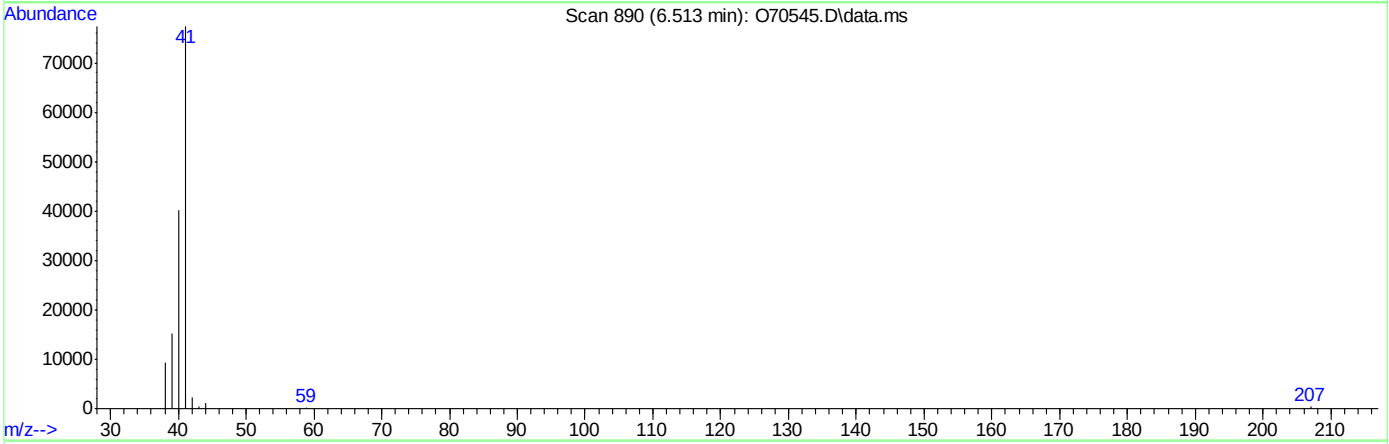
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	194.82
43.00	139.80	136.04
41.00	146.00	150.83

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 206.31ug/L

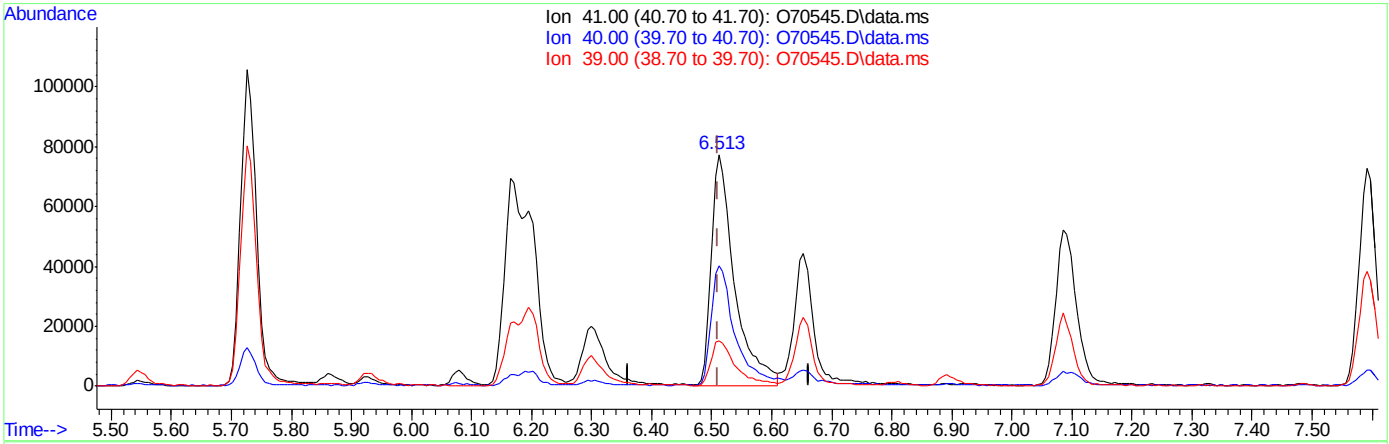
response 191090

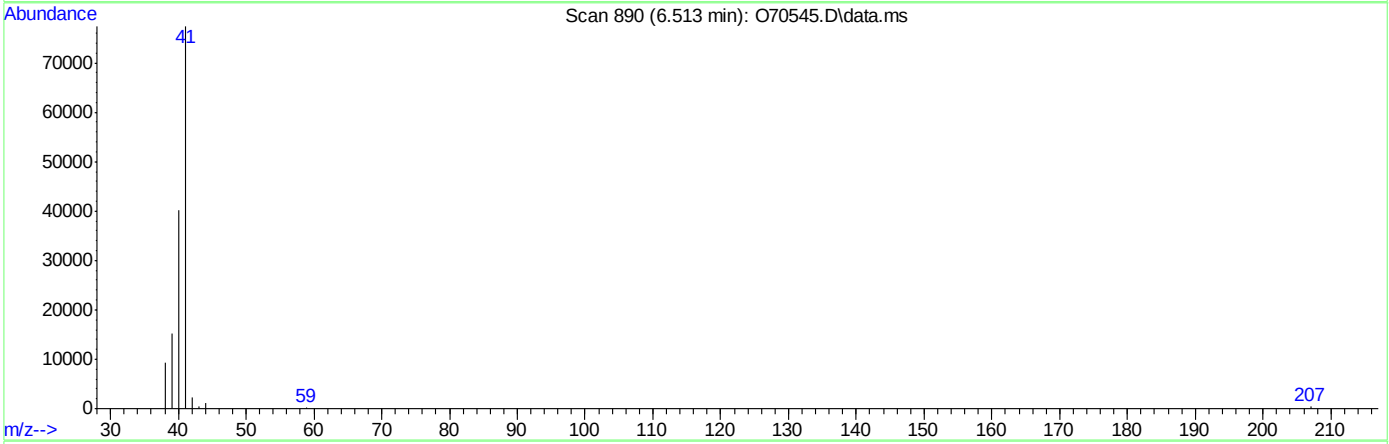
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	51.65
39.00	19.60	19.80
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 226.23ug/L m

response 209539

Ion	Exp%	Act%
41.00	100	100
40.00	51.60	52.00
39.00	19.60	19.69
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:15:33 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1693712	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1341945	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	687478	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	483004	50.80	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.60%			
50) 1,2-Dichloroethane-d4	8.549	65	483882	49.47	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.94%			
63) Toluene-d8	10.426	98	1677849	54.30	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 108.60%			
86) 4-Bromofluorobenzene	13.206	174	550232	51.36	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.72%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	236088	29.67	ug/L	99
3) Chloromethane	3.196	50	261099	31.97	ug/L	99
4) 1,3-butadiene	3.379	39	262867	35.24	ug/L	98
5) Vinyl Chloride	3.349	62	297402	33.47	ug/L	99
6) Bromomethane	3.897	94	147447	40.18	ug/L	98
7) Chloroethane	4.104	64	194673	35.18	ug/L	98
8) Trichlorofluoromethane	4.330	101	439628	34.91	ug/L	100
9) Ethyl Ether	4.799	59	199872	31.37	ug/L	96
10) Ethanol	5.013	45	49830m	900.14	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	262598	31.69	ug/L	98
12) 1,1-Dichloroethene	5.080	61	376573	32.45	ug/L	100
13) Freon 113	5.141	101	254093	32.47	ug/L	94
14) Carbon Disulfide	5.123	76	717985	35.33	ug/L	99
15) Iodomethane	5.287	142	181880	39.42	ug/L	99
16) Acrolein	5.543	56	237165	174.85	ug/L	99
17) Allyl chloride	5.726	41	336721	36.43	ug/L	98
18) Methylene Chloride	5.866	49	347024	30.16	ug/L	99
19) Acetone	5.921	43	364332	143.41	ug/L	98
20) Methyl acetate	6.074	43	951085	151.12	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	372809	32.77	ug/L	98
22) Hexane	6.165	56	158211m	35.58	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	635962	30.66	ug/L	99
24) Tert Butyl Alcohol	6.299	59	216563	277.72	ug/L	97
25) Acetonitrile	6.513	41	345805m	377.83	ug/L	
26) Di-isopropyl ether	6.653	45	751407	32.89	ug/L	99
27) Chloroprene	6.805	53	75033	7.02	ug/L	96
28) 1,1-Dichloroethane	6.836	63	457123	31.75	ug/L	98
29) Acrylonitrile	6.891	52	455324	186.96	ug/L	99
30) ETBE	7.086	59	736397	32.53	ug/L	99
31) Vinyl acetate	7.104	43	2951013	184.34	ug/L	99
32) cis-1,2-Dichloroethene	7.464	96	269634	32.24	ug/L	100
33) 2,2-Dichloropropane	7.592	77	371460	35.08	ug/L	97
34) Bromochloromethane	7.695	128	148737	31.85	ug/L	97
35) Cyclohexane	7.707	56	404250	33.29	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:15:33 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	473409	32.41	ug/L	98
37) Ethyl acetate	7.866	43	1363313	178.12	ug/L	100
38) Tetrahydrofuran	7.957	42	75651	29.80	ug/L	93
40) Carbon Tetrachloride	7.933	117	387080	33.95	ug/L	99
41) 1,1,1-Trichloroethane	8.006	97	438503	33.44	ug/L	100
42) 2-Butanone	8.092	43	574880	147.07	ug/L	99
43) 1,1-Dichloropropene	8.140	75	358811	33.00	ug/L	98
44) tert-Butyl formate	8.244	59	823414	177.69	ug/L	97
45) Propionitrile	8.421	54	431732	326.19	ug/L	95
46) Methacrylonitrile	8.445	41	2003917	336.26	ug/L	99
47) Benzene	8.409	78	1001414	31.89	ug/L	98
48) TAME	8.494	73	631250	29.31	ug/L	97
49) Isobutyl alcohol	8.567	43	175476	596.60	ug/L	98
51) 1,2-Dichloroethane	8.622	62	379823	31.54	ug/L	99
52) Tert Amyl Alcohol	8.677	59	148243	269.01	ug/L	99
53) Trichloroethene	9.012	95	285838	32.12	ug/L	96
54) Methylcyclohexane	9.012	83	345330	34.85	ug/L	98
55) Dibromomethane	9.457	93	168439	30.39	ug/L	98
56) 1,2-Dichloropropane	9.555	63	255973	32.60	ug/L	98
57) Bromodichloromethane	9.603	83	326817	33.38	ug/L	98
58) Methyl methacrylate	9.725	41	232578	34.40	ug/L	99
59) 1,4-Dioxane	9.805	88	44043	600.99	ug/L	99
60) 2-Chloroethyl vinyl ether	10.146	63	855339	161.40	ug/L	99
61) cis-1,3-Dichloropropene	10.237	75	374823	34.73	ug/L	99
64) Toluene	10.481	91	1085163	36.24	ug/L	100
65) 2-Nitropropane	10.713	41	342184	205.28	ug/L	99
66) 4-Methyl-2-pentanone	10.829	43	1233248	173.08	ug/L	100
67) trans-1,3-Dichloropropene	10.884	75	333969	36.65	ug/L	91
68) Tetrachloroethene	10.878	166	325391	37.16	ug/L	97
69) Ethyl methacrylate	10.993	69	333844	39.07	ug/L	98
70) 1,1,2-Trichloroethane	11.048	83	194945	36.15	ug/L	99
71) Dibromochloromethane	11.243	129	284190	39.20	ug/L	100
72) 1,3-Dichloropropane	11.335	76	398938	36.12	ug/L	99
73) 1,2-Dibromoethane	11.506	107	253830	36.67	ug/L	100
74) 3,3-dimethyl-1-butanol	11.597	57	867724	1464.54	ug/L	100
75) 2-hexanone	11.652	43	850130	172.29	ug/L	98
76) 1-Chlorohexane	11.944	91	312728	40.65	ug/L	98
77) Ethylbenzene	12.005	91	1252877	37.12	ug/L	100
78) Chlorobenzene	12.012	112	732488	36.53	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	266063	38.55	ug/L	99
80) m,p-Xylene	12.146	91	1933561	76.39	ug/L	100
81) o-Xylene	12.585	91	932646	38.96	ug/L	97
82) Styrene	12.639	104	696381	39.89	ug/L	99
83) Bromoform	12.700	173	174688	37.93	ug/L	97
84) Isopropylbenzene	12.889	105	1158488	39.22	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	101496	45.71	ug/L	92
88) n-Propylbenzene	13.310	91	1318096	42.02	ug/L	99
89) Bromobenzene	13.334	156	323478	39.80	ug/L	96
90) 1,1,2,2-Tetrachloroethane	13.377	83	319321	38.04	ug/L	98
91) 1,3,5-Trimethylbenzene	13.493	105	963283	42.82	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:15:33 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

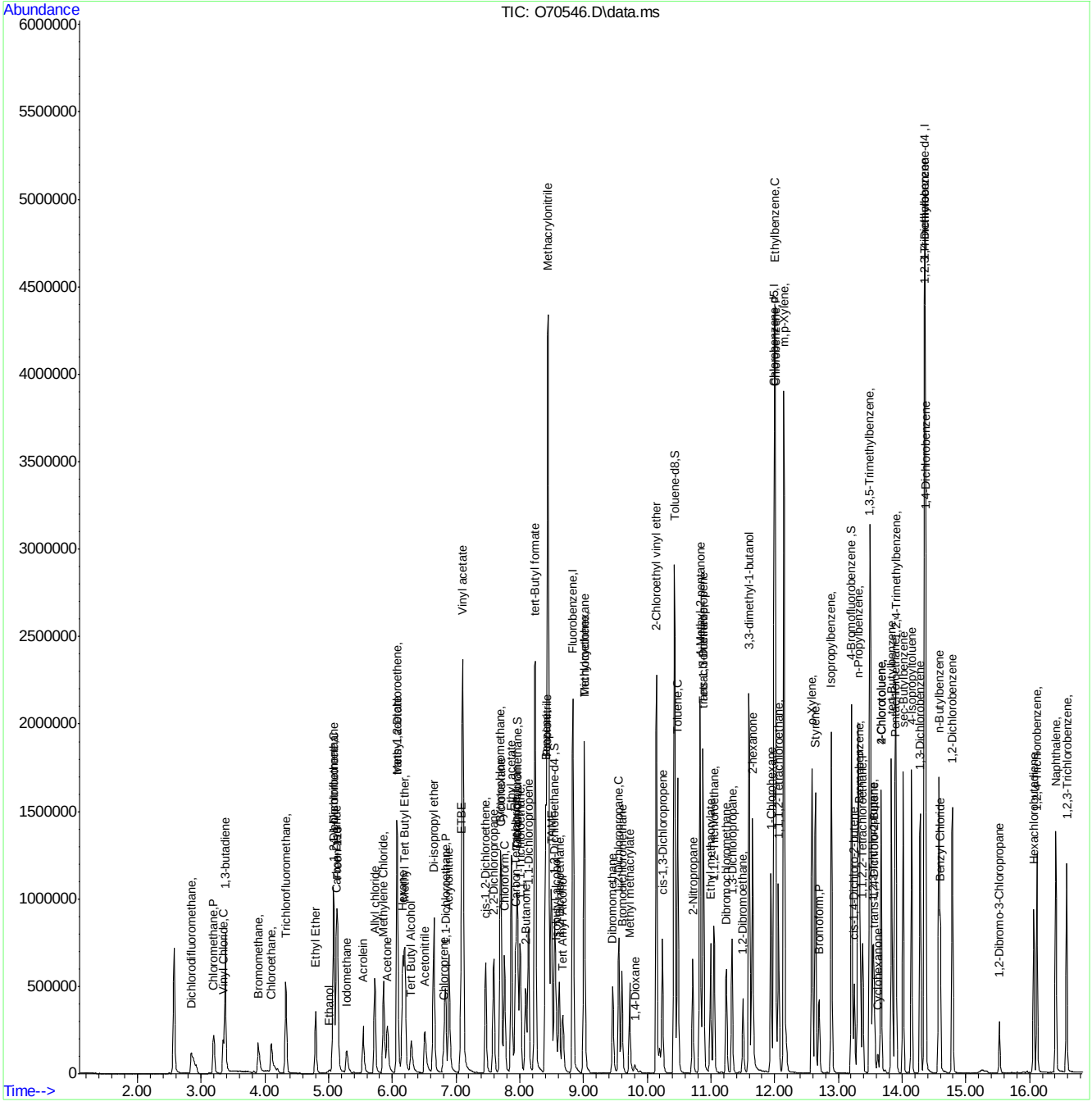
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	816349	40.99	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.560	53	89667	42.82	ug/L	#	76
94) 1,2,3-Trichloropropane	13.542	110	104052	37.47	ug/L		98
95) Cyclohexanone	13.621	55	40786	207.80	ug/L		98
96) 4-Chlorotoluene	13.670	91	816349	40.99	ug/L		100
97) tert-Butylbenzene	13.834	91	505480	42.01	ug/L		100
99) 1,2,4-Trimethylbenzene	13.901	105	924934	42.49	ug/L		98
100) Pentachloroethane	13.889	167	196327	48.98	ug/L		99
101) sec-Butylbenzene	14.017	105	1028098	42.90	ug/L		99
102) 4-Isopropyltoluene	14.151	119	921517	43.71	ug/L		100
103) 1,3-Dichlorobenzene	14.285	146	561264	39.96	ug/L		100
104) 1,2,3-Trimethylbenzene	14.359	105	943019	41.06	ug/L		98
105) 1,4-Dichlorobenzene	14.371	146	613231	40.53	ug/L		99
106) n-Butylbenzene	14.578	92	459340	44.71	ug/L		100
107) Benzyl Chloride	14.602	126	108484	44.68	ug/L		98
108) 1,2-Dichlorobenzene	14.791	146	540710	40.00	ug/L		98
109) 1,2-Dibromo-3-Chloropr...	15.529	75	52053	40.16	ug/L		92
110) Hexachlorobutadiene	16.066	225	134454	48.53	ug/L		95
111) 1,2,4-Trichlorobenzene	16.120	180	333301	41.85	ug/L		97
112) Naphthalene	16.413	128	884678	40.56	ug/L		100
113) 1,2,3-Trichlorobenzene	16.584	180	323031	40.85	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:15:33 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

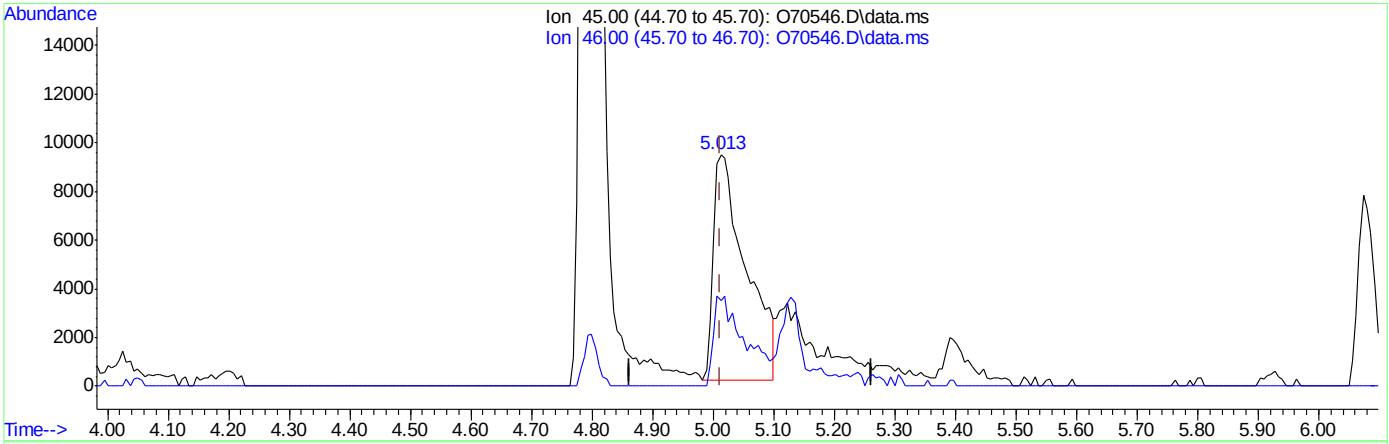
Sample Number: VO2796-ICC2796
Lab FileID: O70546.D
Injection Time: 08/23/22 15:09
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

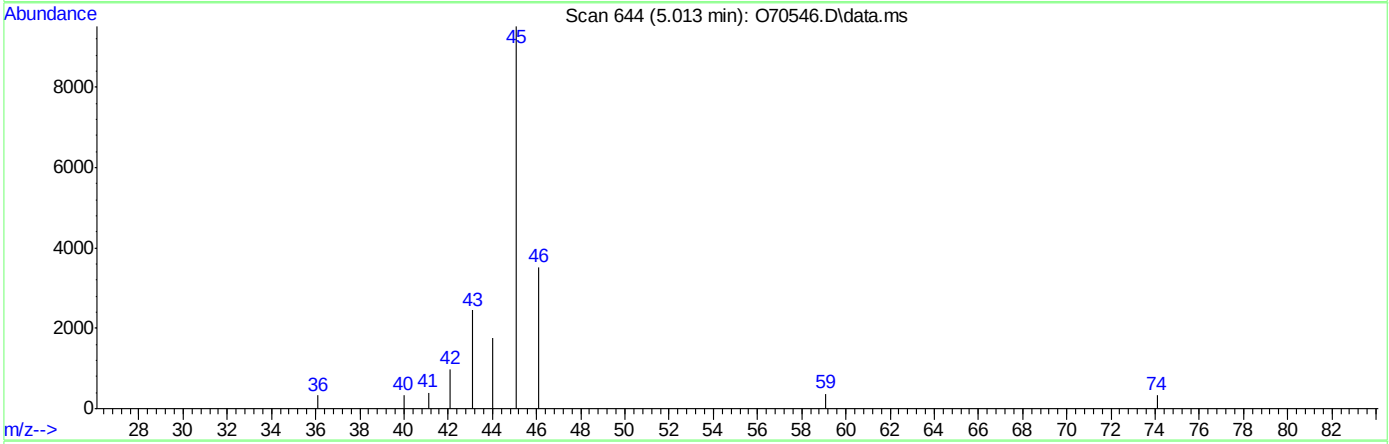
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(10) Ethanol

5.013min (-0.000) 622.74ug/L

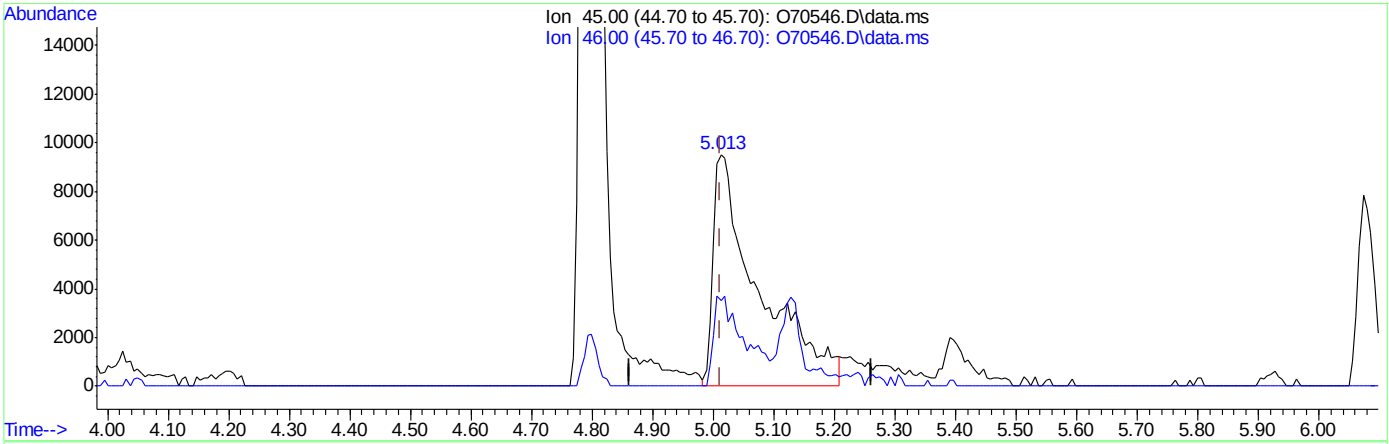
response 34474

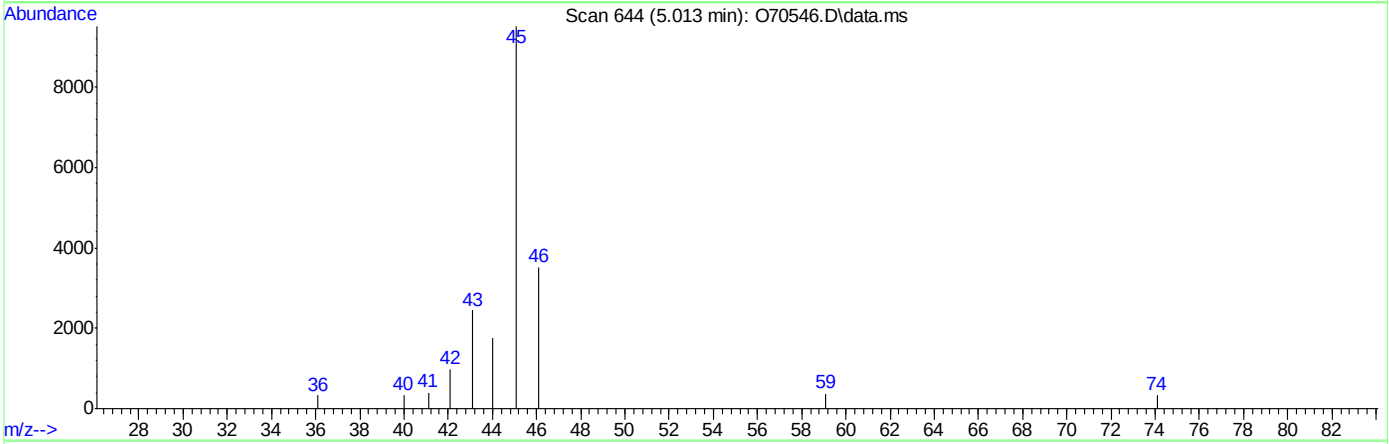
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	38.11
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(10) Ethanol

5.013min (-0.000) 900.14ug/L m

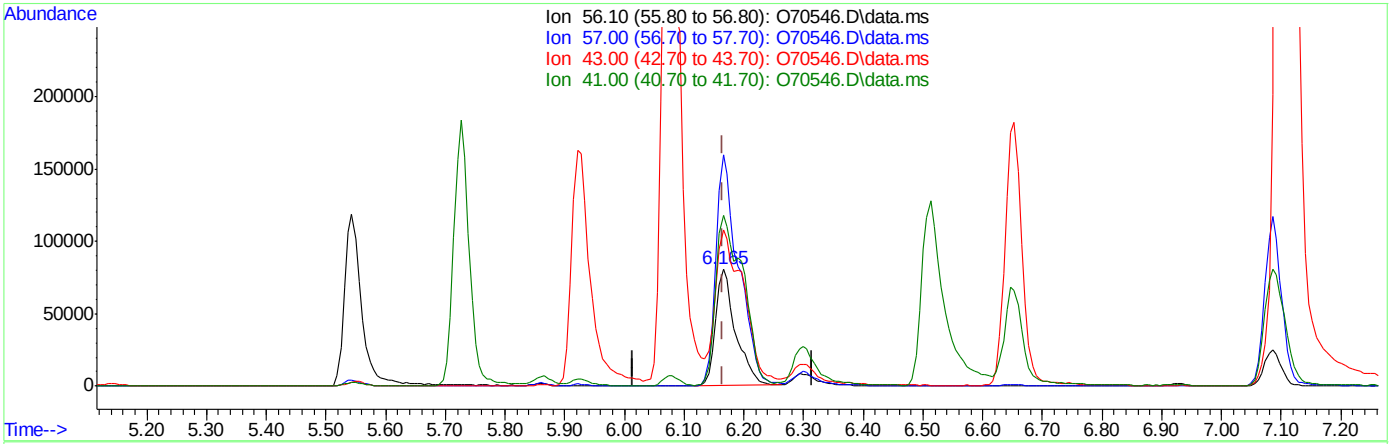
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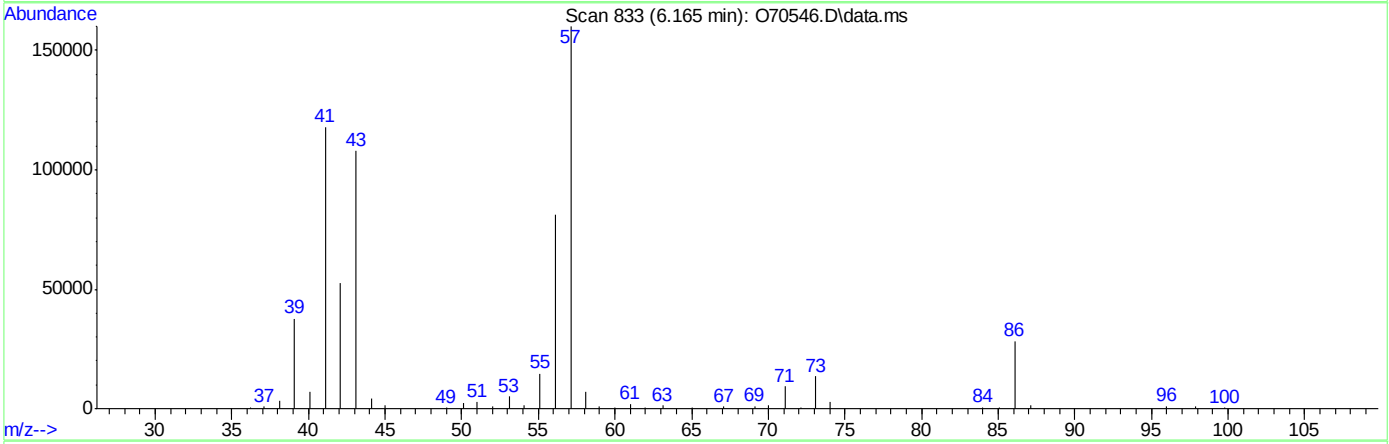
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	37.04
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(22) Hexane

6.165min (+0.000) 42.06ug/L

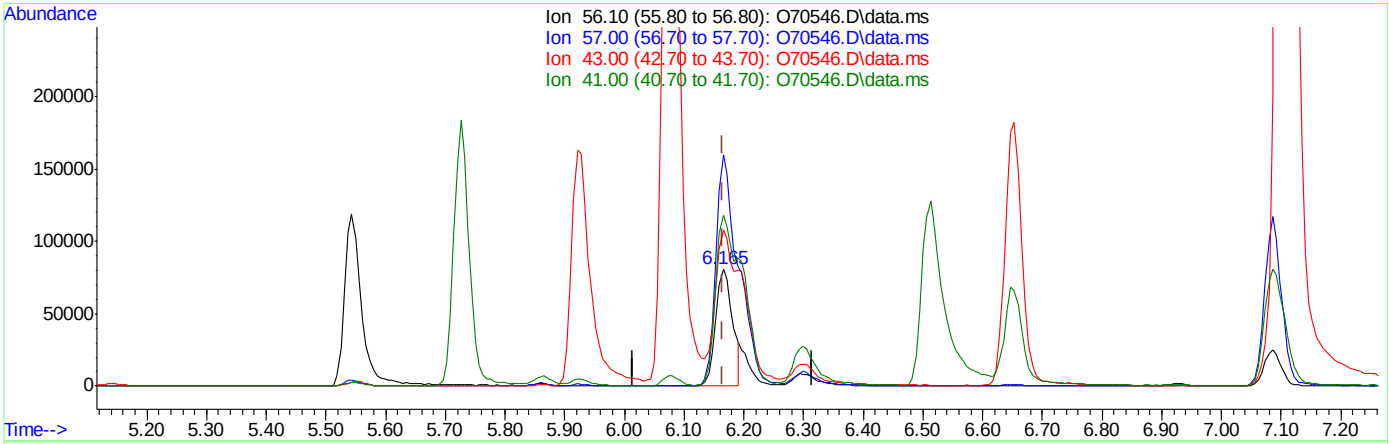
response 187071

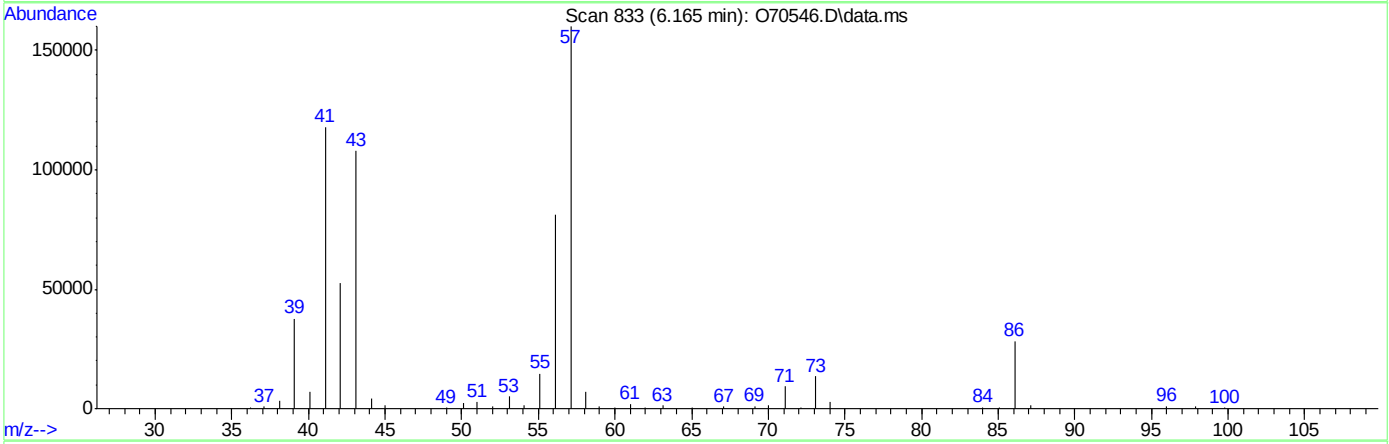
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	197.55
43.00	139.80	127.09
41.00	146.00	144.88

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(22) Hexane

6.165min (+0.000) 35.58ug/L m

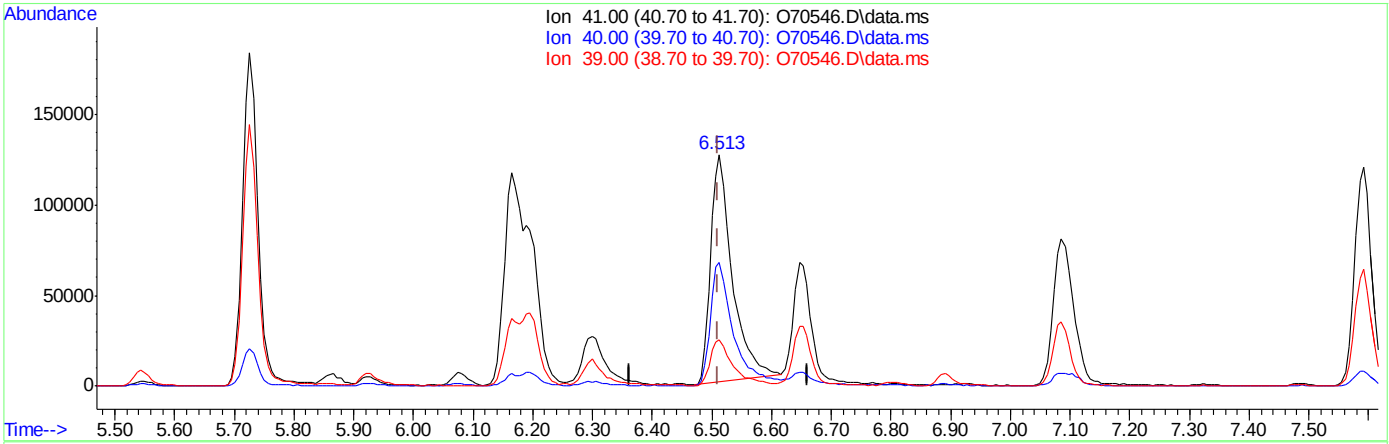
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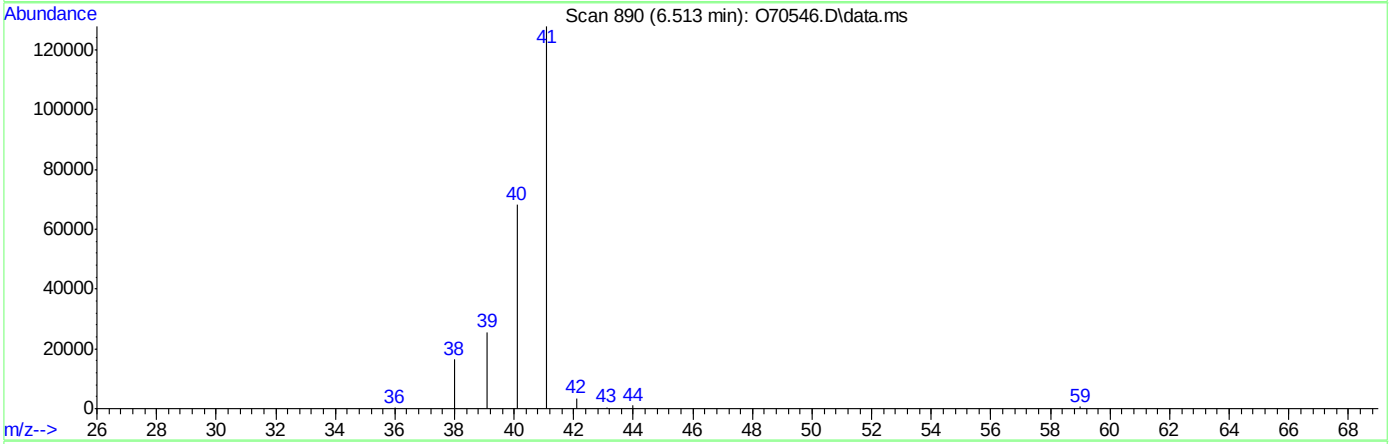
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	197.55
43.00	139.80	133.14
41.00	146.00	145.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 343.48ug/L

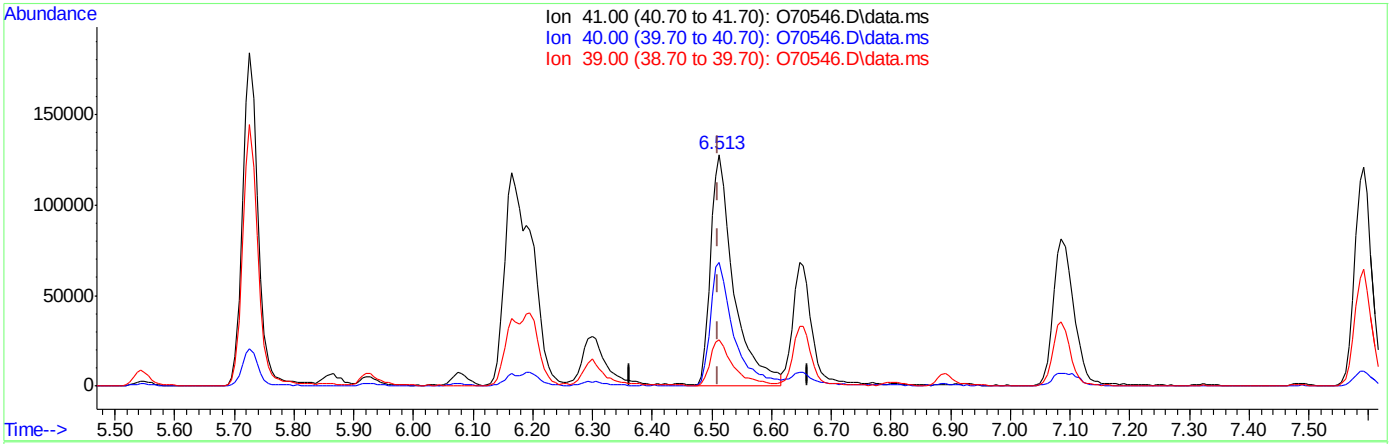
response 314365

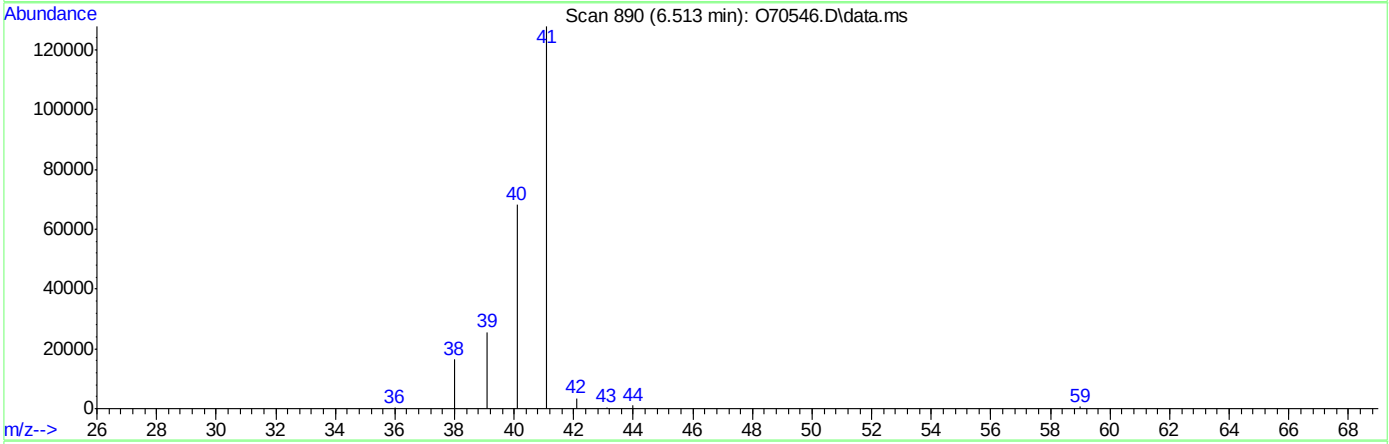
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.31
39.00	19.60	19.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 377.83ug/L m

response 345805

Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.25
39.00	19.60	20.01
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:17:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1774991	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1420892	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	729530	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	507914	50.98	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.96%			
50) 1,2-Dichloroethane-d4	8.549	65	508654	49.62	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.24%			
63) Toluene-d8	10.426	98	1761030	53.82	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 107.64%			
86) 4-Bromofluorobenzene	13.206	174	580200	51.03	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.06%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	419027	50.24	ug/L	97
3) Chloromethane	3.196	50	465853	54.44	ug/L	100
4) 1,3-butadiene	3.373	39	435242	55.67	ug/L	97
5) Vinyl Chloride	3.349	62	523489	56.22	ug/L	99
6) Bromomethane	3.897	94	260528	65.13	ug/L	98
7) Chloroethane	4.098	64	325528	63.84	ug/L	99
8) Trichlorofluoromethane	4.324	101	790284	59.88	ug/L	100
9) Ethyl Ether	4.799	59	389611	58.35	ug/L	98
10) Ethanol	5.013	45	89218m	1537.85	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	505274	58.19	ug/L	97
12) 1,1-Dichloroethene	5.080	61	722170	59.39	ug/L	99
13) Freon 113	5.141	101	472431	57.61	ug/L	92
14) Carbon Disulfide	5.123	76	1388933	62.17	ug/L	99
15) Iodomethane	5.281	142	425826	71.03	ug/L	98
16) Acrolein	5.543	56	487549	342.98	ug/L	100
17) Allyl chloride	5.726	41	599987	60.16	ug/L	96
18) Methylene Chloride	5.860	49	650084	53.91	ug/L	98
19) Acetone	5.921	43	714468	268.35	ug/L	100
20) Methyl acetate	6.074	43	1875936	284.43	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	714355	59.91	ug/L	98
22) Hexane	6.165	56	304364m	65.24	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	1238505	56.97	ug/L	98
24) Tert Butyl Alcohol	6.305	59	436144	533.71	ug/L	96
25) Acetonitrile	6.513	41	598000m	623.47	ug/L	
26) Di-isopropyl ether	6.653	45	1472092	61.49	ug/L	99
27) Chloroprene	6.805	53	132275	11.80	ug/L	99
28) 1,1-Dichloroethane	6.830	63	874950	57.99	ug/L	99
29) Acrylonitrile	6.891	52	804415	315.18	ug/L	99
30) ETBE	7.086	59	1463314	61.69	ug/L	99
31) Vinyl acetate	7.110	43	5276193	314.49	ug/L	100
32) cis-1,2-Dichloroethene	7.464	96	516098	58.89	ug/L	98
33) 2,2-Dichloropropane	7.592	77	714356	64.38	ug/L	99
34) Bromochloromethane	7.695	128	287067	58.65	ug/L	99
35) Cyclohexane	7.707	56	783431	61.55	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:17:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	905497	59.15	ug/L	99
37) Ethyl acetate	7.872	43	2423664	302.16	ug/L	99
38) Tetrahydrofuran	7.957	42	147345	54.02	ug/L	97
40) Carbon Tetrachloride	7.933	117	739569	61.90	ug/L	100
41) 1,1,1-Trichloroethane	8.006	97	829305	60.35	ug/L	99
42) 2-Butanone	8.092	43	1146295	279.83	ug/L	100
43) 1,1-Dichloropropene	8.140	75	675182	59.25	ug/L	98
44) tert-Butyl formate	8.244	59	1734388	327.68	ug/L	94
45) Propionitrile	8.421	54	779841	562.22	ug/L	95
46) Methacrylonitrile	8.445	41	3559146	569.89	ug/L	99
47) Benzene	8.409	78	1930606	58.66	ug/L	99
48) TAME	8.494	73	1240586	54.97	ug/L	99
49) Isobutyl alcohol	8.567	43	318077	998.07	ug/L	97
51) 1,2-Dichloroethane	8.622	62	725453	57.49	ug/L	98
52) Tert Amyl Alcohol	8.677	59	313893	543.53	ug/L	96
53) Trichloroethene	9.012	95	543128	58.24	ug/L	95
54) Methylcyclohexane	9.012	83	662169	63.76	ug/L	99
55) Dibromomethane	9.457	93	327493	56.38	ug/L	96
56) 1,2-Dichloropropane	9.555	63	495267	60.19	ug/L	99
57) Bromodichloromethane	9.603	83	644804	62.84	ug/L	100
58) Methyl methacrylate	9.725	41	429802	57.18	ug/L	98
59) 1,4-Dioxane	9.805	88	81223	1059.47	ug/L	96
60) 2-Chloroethyl vinyl ether	10.146	63	1768610	298.90	ug/L	99
61) cis-1,3-Dichloropropene	10.237	75	743735	65.75	ug/L	98
64) Toluene	10.481	91	2096823	66.14	ug/L	99
65) 2-Nitropropane	10.713	41	704944	399.41	ug/L	99
66) 4-Methyl-2-pentanone	10.829	43	2482425	323.43	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	664264	68.85	ug/L	91
68) Tetrachloroethene	10.884	166	625969	67.52	ug/L	99
69) Ethyl methacrylate	10.993	69	612226	64.60	ug/L	97
70) 1,1,2-Trichloroethane	11.048	83	374391	65.57	ug/L	97
71) Dibromochloromethane	11.243	129	566996	73.86	ug/L	99
72) 1,3-Dichloropropane	11.335	76	763779	65.31	ug/L	99
73) 1,2-Dibromoethane	11.505	107	491221	67.03	ug/L	99
74) 3,3-dimethyl-1-butanol	11.597	57	1962564	2835.97	ug/L	99
75) 2-hexanone	11.652	43	1716567	328.55	ug/L	99
76) 1-Chlorohexane	11.944	91	617928	75.85	ug/L	99
77) Ethylbenzene	12.005	91	2434869	68.13	ug/L	99
78) Chlorobenzene	12.011	112	1425239	67.12	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	527013	72.12	ug/L	100
80) m,p-Xylene	12.146	91	3776371	140.90	ug/L	99
81) o-Xylene	12.585	91	1816707	71.68	ug/L	97
82) Styrene	12.639	104	1398201	75.64	ug/L	99
83) Bromoform	12.700	173	362274	67.46	ug/L	98
84) Isopropylbenzene	12.889	105	2241466	71.67	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	190619	80.89	ug/L	92
88) n-Propylbenzene	13.310	91	2549933	76.61	ug/L	99
89) Bromobenzene	13.334	156	624950	72.47	ug/L	99
90) 1,1,2,2-Tetrachloroethane	13.377	83	617405	69.32	ug/L	97
91) 1,3,5-Trimethylbenzene	13.493	105	1883270	78.88	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:17:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

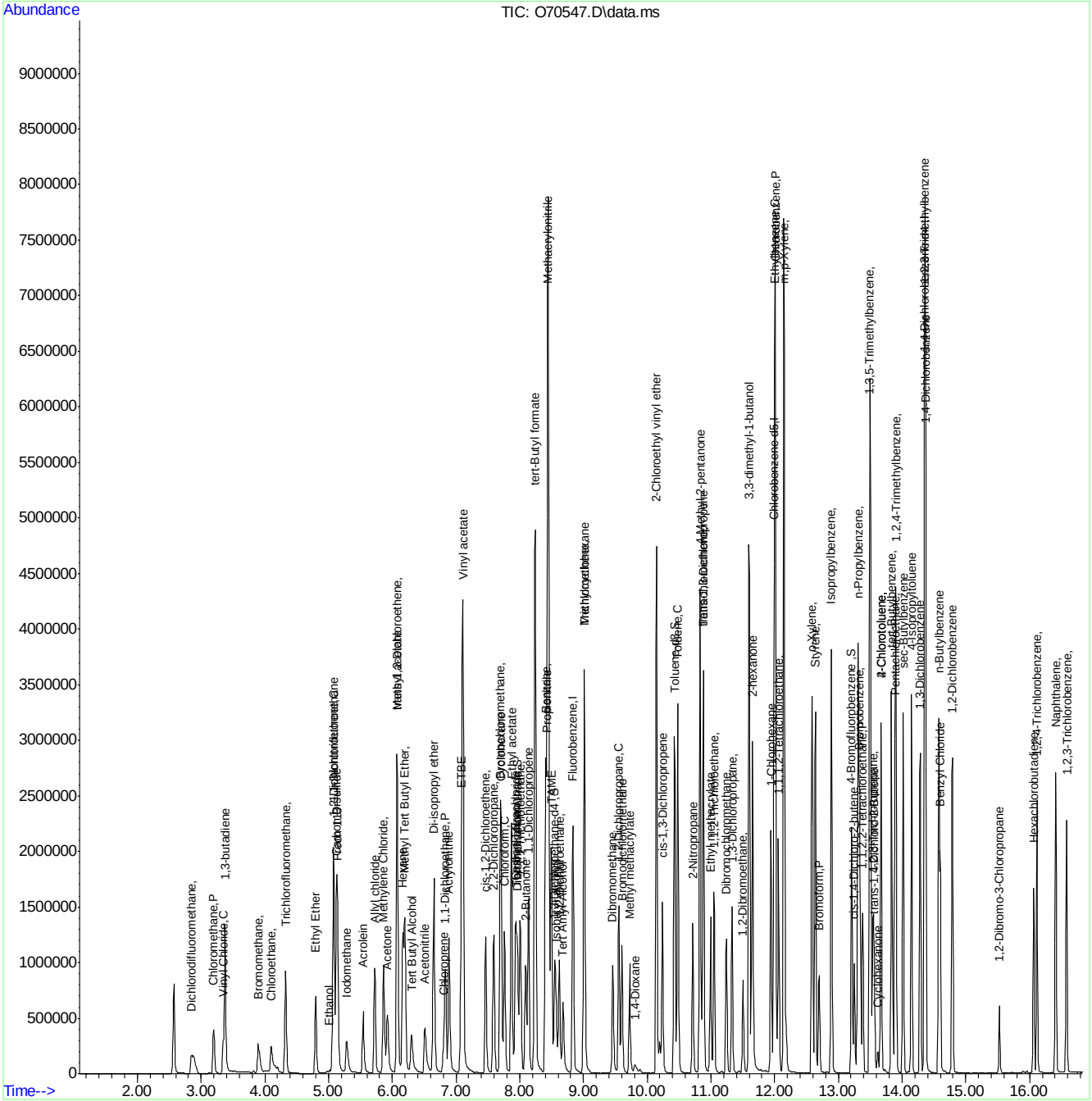
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	1584615	74.99	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.566	53	178003	80.11	ug/L		97
94) 1,2,3-Trichloropropane	13.542	110	200025	67.88	ug/L		98
95) Cyclohexanone	13.621	55	73032	349.65	ug/L		95
96) 4-Chlorotoluene	13.670	91	1584615	74.99	ug/L		99
97) tert-Butylbenzene	13.834	91	976206	76.46	ug/L		98
99) 1,2,4-Trimethylbenzene	13.901	105	1818330	78.72	ug/L		99
100) Pentachloroethane	13.889	167	350153	82.32	ug/L		97
101) sec-Butylbenzene	14.017	105	1964821	77.26	ug/L		99
102) 4-Isopropyltoluene	14.151	119	1780721	79.60	ug/L		99
103) 1,3-Dichlorobenzene	14.285	146	1092768	73.32	ug/L		99
104) 1,2,3-Trimethylbenzene	14.359	105	1857322	76.21	ug/L		99
105) 1,4-Dichlorobenzene	14.371	146	1173496	73.08	ug/L		98
106) n-Butylbenzene	14.578	92	888895	81.53	ug/L		99
107) Benzyl Chloride	14.596	126	239821	93.08	ug/L	#	86
108) 1,2-Dichlorobenzene	14.791	146	1039424	72.47	ug/L		98
109) 1,2-Dibromo-3-Chloropr...	15.529	75	107470	78.14	ug/L		92
110) Hexachlorobutadiene	16.066	225	241626	84.47	ug/L		97
111) 1,2,4-Trichlorobenzene	16.114	180	643816	76.18	ug/L		96
112) Naphthalene	16.413	128	1737555	71.27	ug/L		99
113) 1,2,3-Trichlorobenzene	16.584	180	621748	74.09	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:17:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

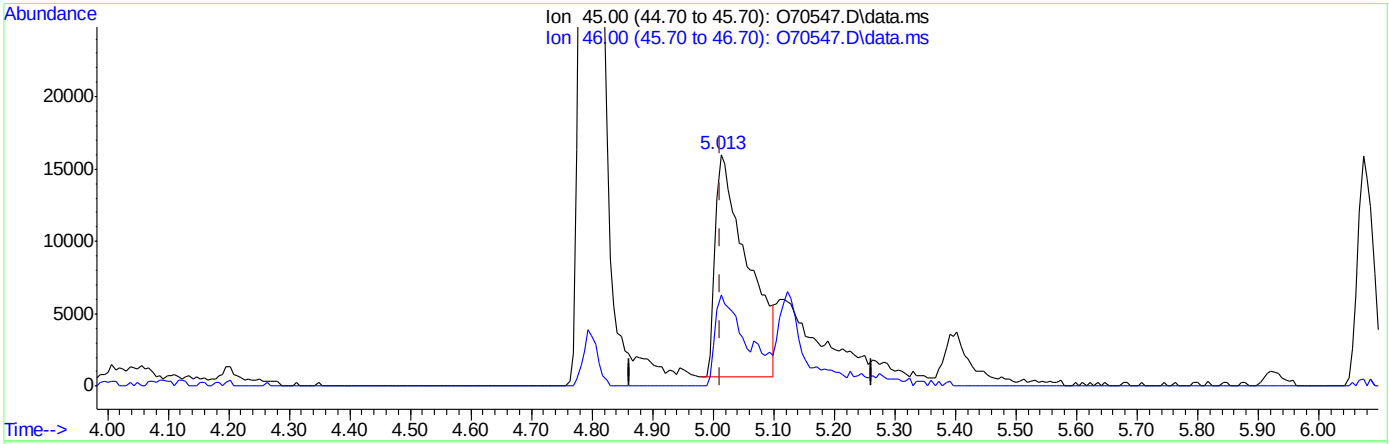
Sample Number: VO2796-IC2796
Lab FileID: O70547.D
Injection Time: 08/23/22 15:34
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

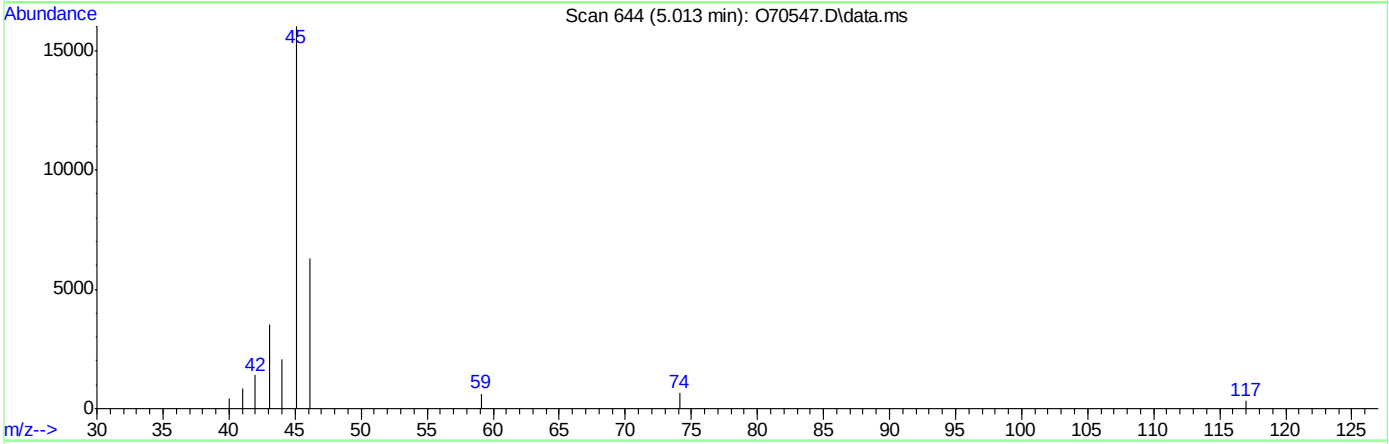
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(10) Ethanol

5.013min (-0.000) 975.29ug/L

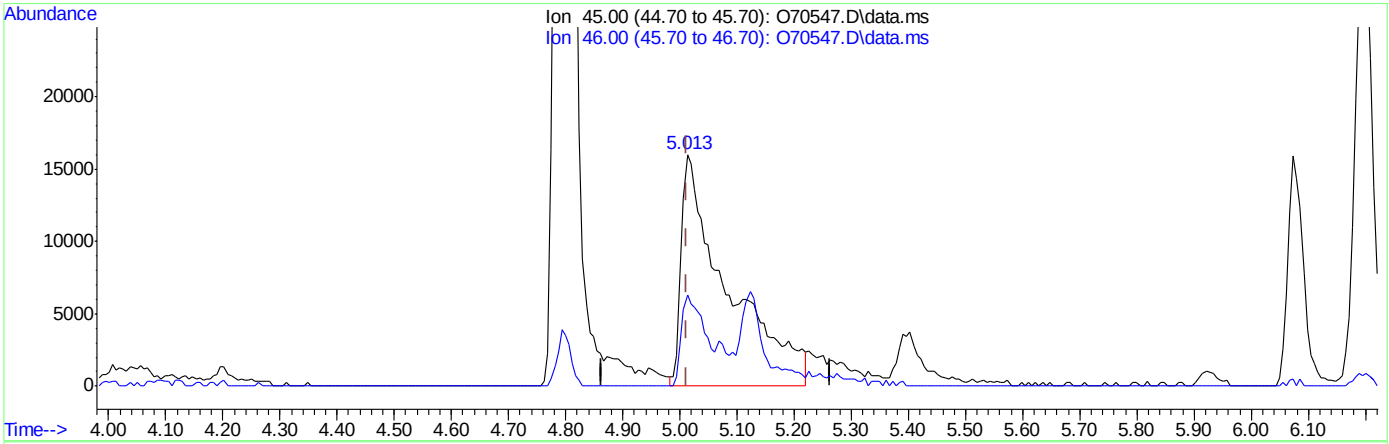
response 56581

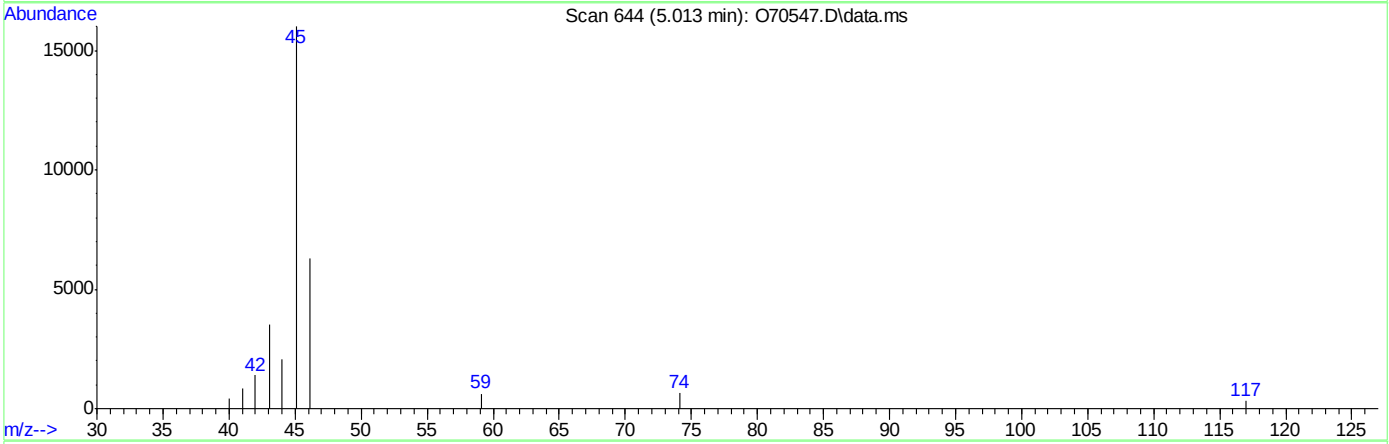
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	40.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(10) Ethanol

5.013min (-0.000) 1537.85ug/L m

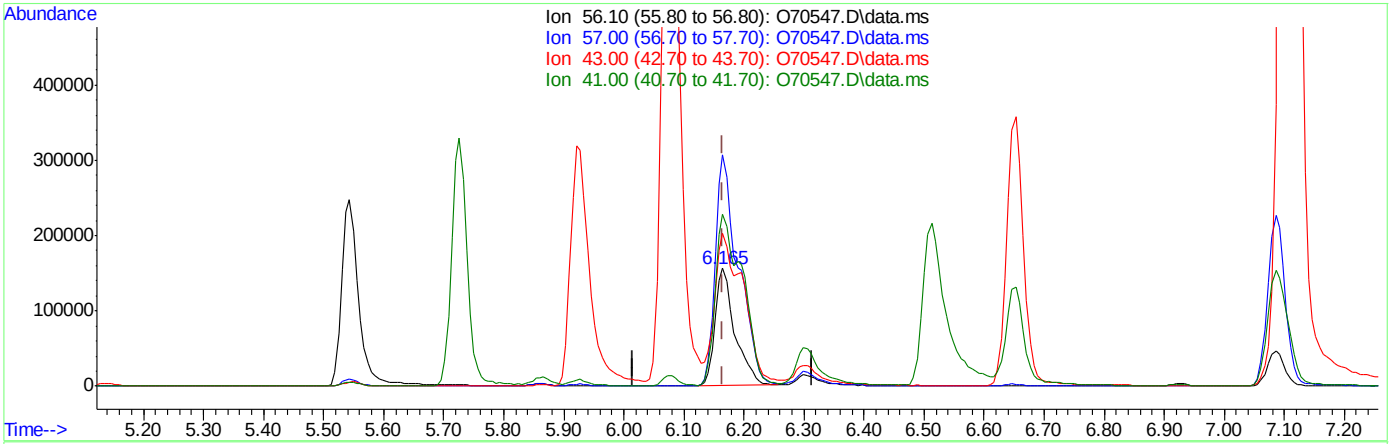
response 89218

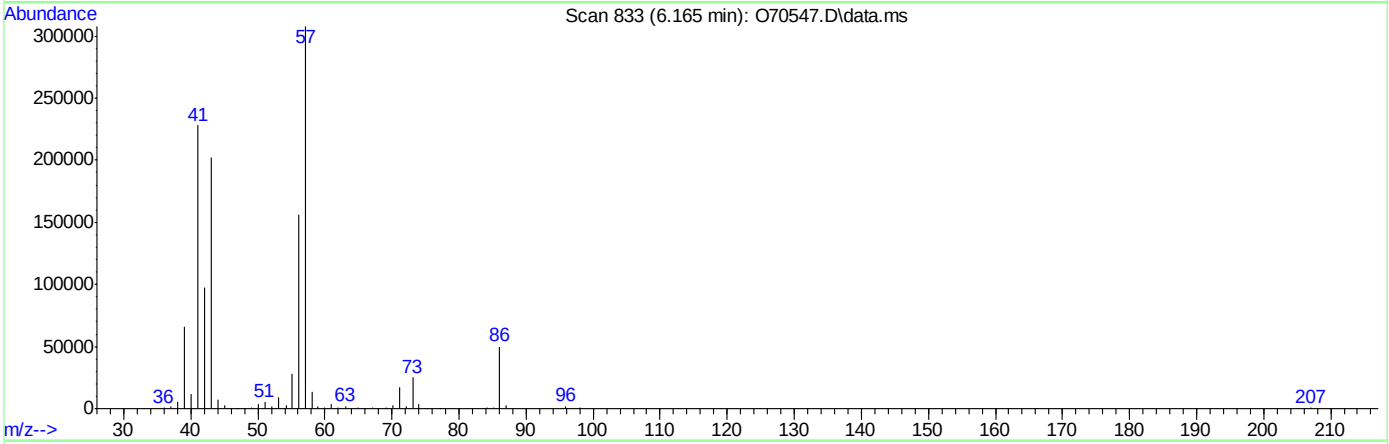
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	39.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(22) Hexane

6.165min (+0.000) 76.63ug/L

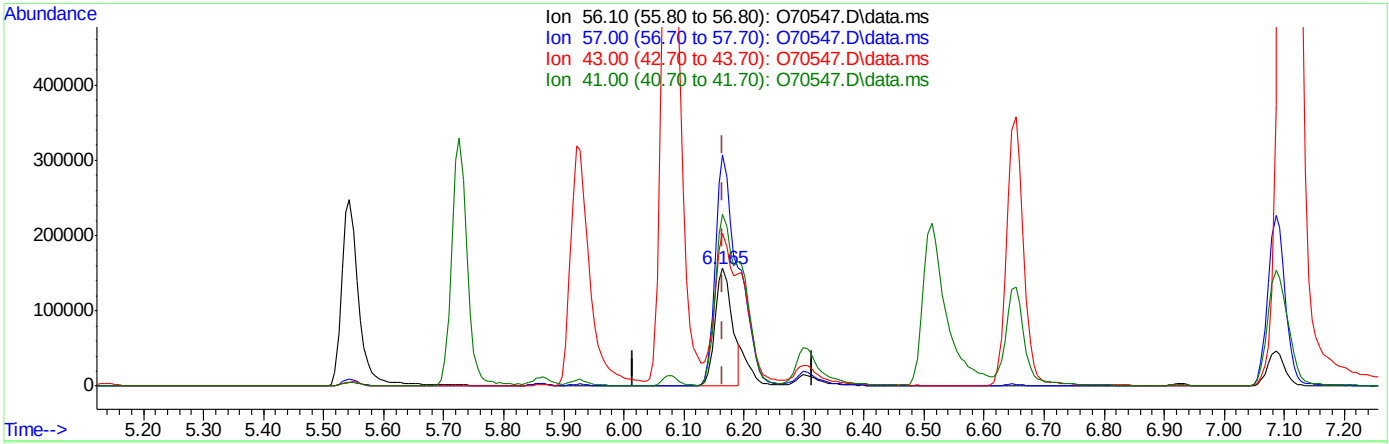
response 357644

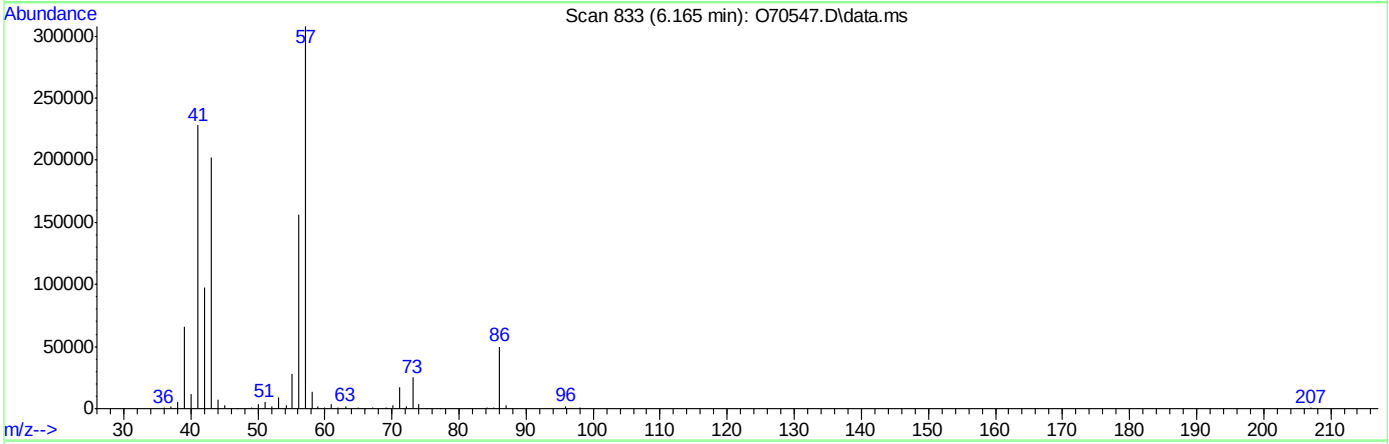
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	196.78
43.00	139.80	124.52
41.00	146.00	145.33

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(22) Hexane

6.165min (+0.000) 65.24ug/L m

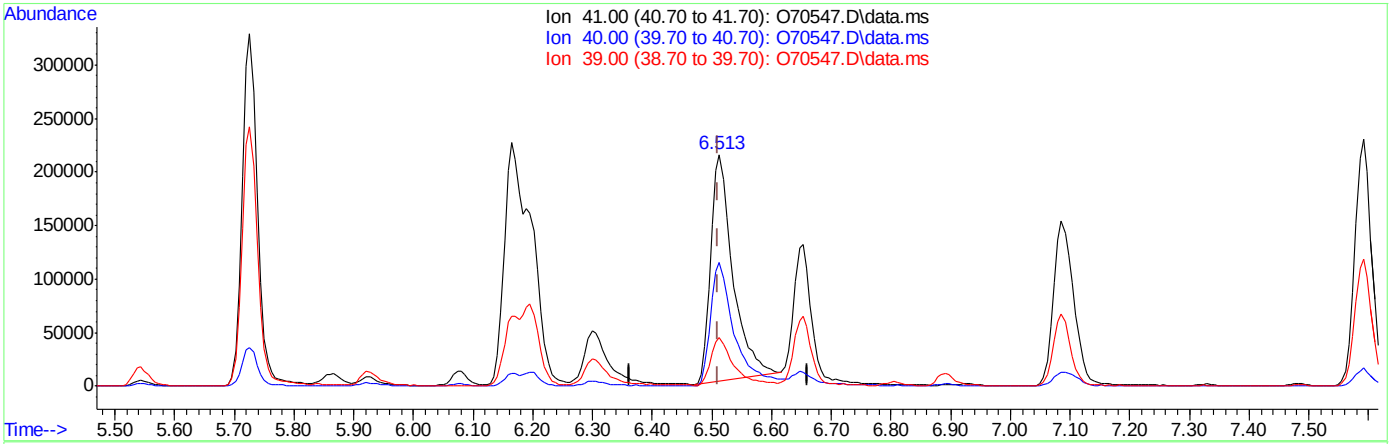
response 304364

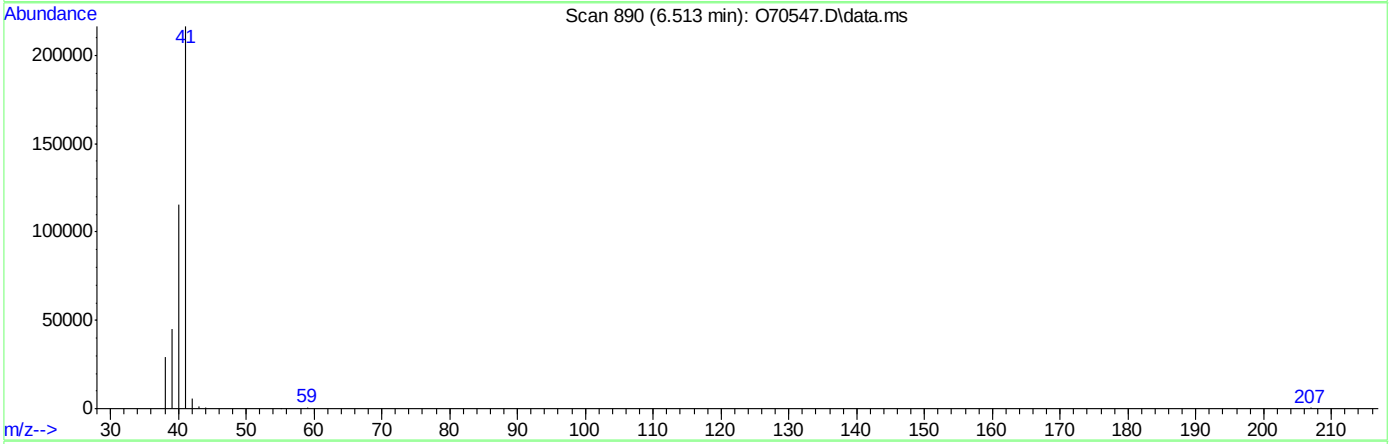
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	196.61
43.00	139.80	129.28
41.00	146.00	145.69

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 568.08ug/L

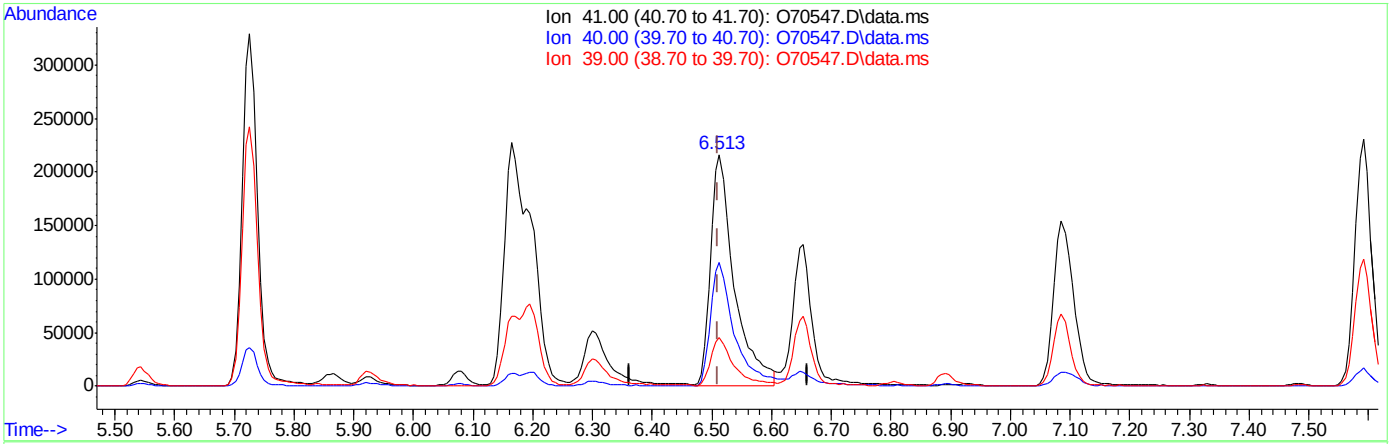
response 544872

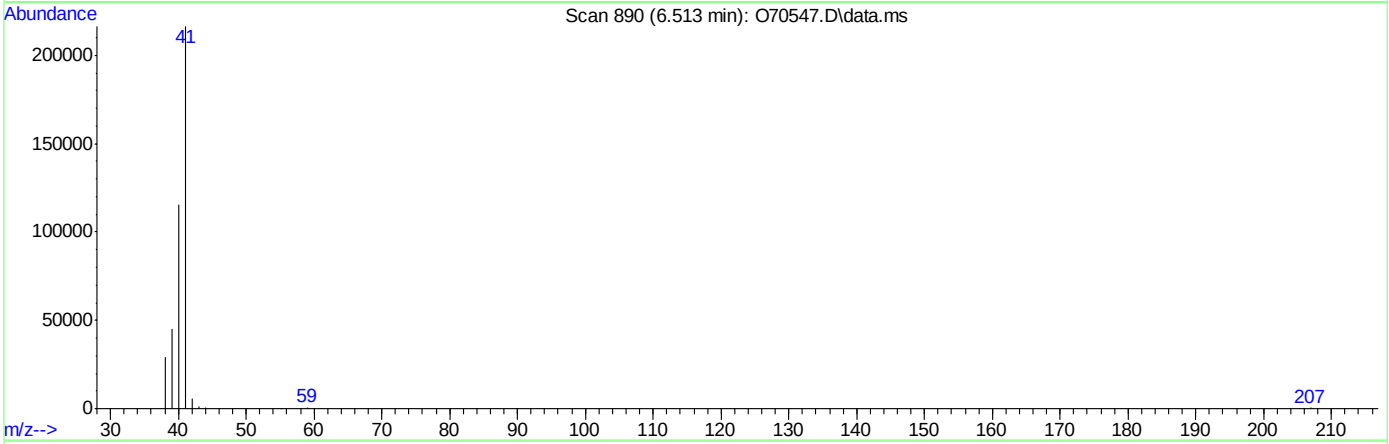
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.51
39.00	19.60	20.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 623.47ug/L m

response 598000

Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.36
39.00	19.60	20.76
0.00	0.00	0.00

O70548.D

Manual Integrations APPROVED (compounds with "m" flag)

Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:20:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1792330	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1458562	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	733718	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	513439	51.03	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.06%			
50) 1,2-Dichloroethane-d4	8.549	65	496191	47.94	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.88%			
63) Toluene-d8	10.427	98	1788478	53.25	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 106.50%			
86) 4-Bromofluorobenzene	13.213	174	580350	50.75	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.885	85	656360	77.94	ug/L	100
3) Chloromethane	3.202	50	714079	82.63	ug/L	99
4) 1,3-butadiene	3.379	39	660383	83.66	ug/L	98
5) Vinyl Chloride	3.349	62	806998	85.83	ug/L	100
6) Bromomethane	3.903	94	398815	94.46	ug/L	96
7) Chloroethane	4.111	64	363894	74.48	ug/L	96
8) Trichlorofluoromethane	4.324	101	1241226	93.14	ug/L	100
9) Ethyl Ether	4.800	59	560677	83.15	ug/L	99
10) Ethanol	5.025	45	135376m	2310.90	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.080	67	731248	83.40	ug/L	99
12) 1,1-Dichloroethene	5.086	61	1050500	85.55	ug/L	98
13) Freon 113	5.141	101	695933	84.04	ug/L	95
14) Carbon Disulfide	5.129	76	2024502	86.13	ug/L	100
15) Iodomethane	5.287	142	623608	91.53	ug/L	99
16) Acrolein	5.543	56	730643	509.02	ug/L	99
17) Allyl chloride	5.726	41	901414	86.74	ug/L	97
18) Methylene Chloride	5.867	49	920045	75.56	ug/L	98
19) Acetone	5.927	43	1091404	405.96	ug/L	98
20) Methyl acetate	6.080	43	2817544	423.06	ug/L	100
21) trans-1,2-Dichloroethene	6.074	61	1028494	85.42	ug/L	97
22) Hexane	6.165	56	432800m	91.79	ug/L	
23) Methyl Tert Butyl Ether	6.202	73	1815713	82.71	ug/L	96
24) Tert Butyl Alcohol	6.305	59	669875	811.79	ug/L	94
25) Acetonitrile	6.519	41	910562m	940.16	ug/L	
26) Di-isopropyl ether	6.653	45	2135729	88.34	ug/L	98
27) Chloroprene	6.805	53	204616	18.08	ug/L	97
28) 1,1-Dichloroethane	6.836	63	1262378	82.86	ug/L	100
29) Acrylonitrile	6.891	52	1206696	468.22	ug/L	99
30) ETBE	7.092	59	2129797	88.92	ug/L	98
31) Vinyl acetate	7.110	43	7772035	458.78	ug/L	99
32) cis-1,2-Dichloroethene	7.470	96	743212	83.98	ug/L	99
33) 2,2-Dichloropropane	7.592	77	1040884	92.90	ug/L	99
34) Bromochloromethane	7.695	128	409121	82.78	ug/L	97
35) Cyclohexane	7.708	56	1164252	90.59	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:20:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	1307483	84.59	ug/L	99
37) Ethyl acetate	7.872	43	3663255	452.28	ug/L	99
38) Tetrahydrofuran	7.958	42	220896	78.27	ug/L	96
40) Carbon Tetrachloride	7.939	117	1083963	89.84	ug/L	98
41) 1,1,1-Trichloroethane	8.012	97	1204612	86.82	ug/L	98
42) 2-Butanone	8.098	43	1750186	423.12	ug/L	98
43) 1,1-Dichloropropene	8.140	75	977984	84.99	ug/L	98
44) tert-Butyl formate	8.244	59	2590988	453.42	ug/L	95
45) Propionitrile	8.427	54	1193512	852.12	ug/L	94
46) Methacrylonitrile	8.445	41	5297306	840.00	ug/L	99
47) Benzene	8.409	78	2795676	84.12	ug/L	99
48) TAME	8.494	73	1808107	79.35	ug/L	98
49) Isobutyl alcohol	8.573	43	488571	1462.70	ug/L	95
51) 1,2-Dichloroethane	8.622	62	1029446	80.79	ug/L	99
52) Tert Amyl Alcohol	8.683	59	491509	842.86	ug/L	95
53) Trichloroethene	9.018	95	787198	83.60	ug/L	100
54) Methylcyclohexane	9.012	83	995656	94.94	ug/L	99
55) Dibromomethane	9.463	93	471248	80.34	ug/L	98
56) 1,2-Dichloropropane	9.555	63	713031	85.82	ug/L	99
57) Bromodichloromethane	9.604	83	953309	92.01	ug/L	99
58) Methyl methacrylate	9.726	41	649623	80.79	ug/L	99
59) 1,4-Dioxane	9.811	88	117320	1518.21	ug/L	98
60) 2-Chloroethyl vinyl ether	10.146	63	2647753	420.35	ug/L	99
61) cis-1,3-Dichloropropene	10.244	75	1086272	95.11	ug/L	99
64) Toluene	10.481	91	3055849	93.90	ug/L	100
65) 2-Nitropropane	10.713	41	1057339	583.60	ug/L	98
66) 4-Methyl-2-pentanone	10.829	43	3800047	474.21	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	977393	98.69	ug/L	91
68) Tetrachloroethene	10.884	166	921216	96.80	ug/L	99
69) Ethyl methacrylate	10.994	69	934593	91.68	ug/L	98
70) 1,1,2-Trichloroethane	11.048	83	536918	91.60	ug/L	98
71) Dibromochloromethane	11.243	129	836811	106.19	ug/L	99
72) 1,3-Dichloropropane	11.335	76	1107279	92.24	ug/L	100
73) 1,2-Dibromoethane	11.506	107	715404	95.10	ug/L	100
74) 3,3-dimethyl-1-butanol	11.603	57	3146108	4082.14	ug/L	99
75) 2-hexanone	11.658	43	2658574	495.70	ug/L	99
76) 1-Chlorohexane	11.945	91	913746	109.27	ug/L	99
77) Ethylbenzene	12.006	91	3557293	96.96	ug/L	99
78) Chlorobenzene	12.012	112	2093374	96.04	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.067	131	772424	102.97	ug/L	98
80) m,p-Xylene	12.146	91	5544799	201.54	ug/L	99
81) o-Xylene	12.591	91	2655639	102.08	ug/L	98
82) Styrene	12.640	104	2075837	109.40	ug/L	99
83) Bromoform	12.701	173	548542	92.35	ug/L	99
84) Isopropylbenzene	12.890	105	3303052	102.88	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	293234	123.73	ug/L	87
88) n-Propylbenzene	13.310	91	3757274	112.24	ug/L	100
89) Bromobenzene	13.335	156	907458	104.63	ug/L	98
90) 1,1,2,2-Tetrachloroethane	13.383	83	903464	100.85	ug/L	98
91) 1,3,5-Trimethylbenzene	13.493	105	2786418	116.05	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:20:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

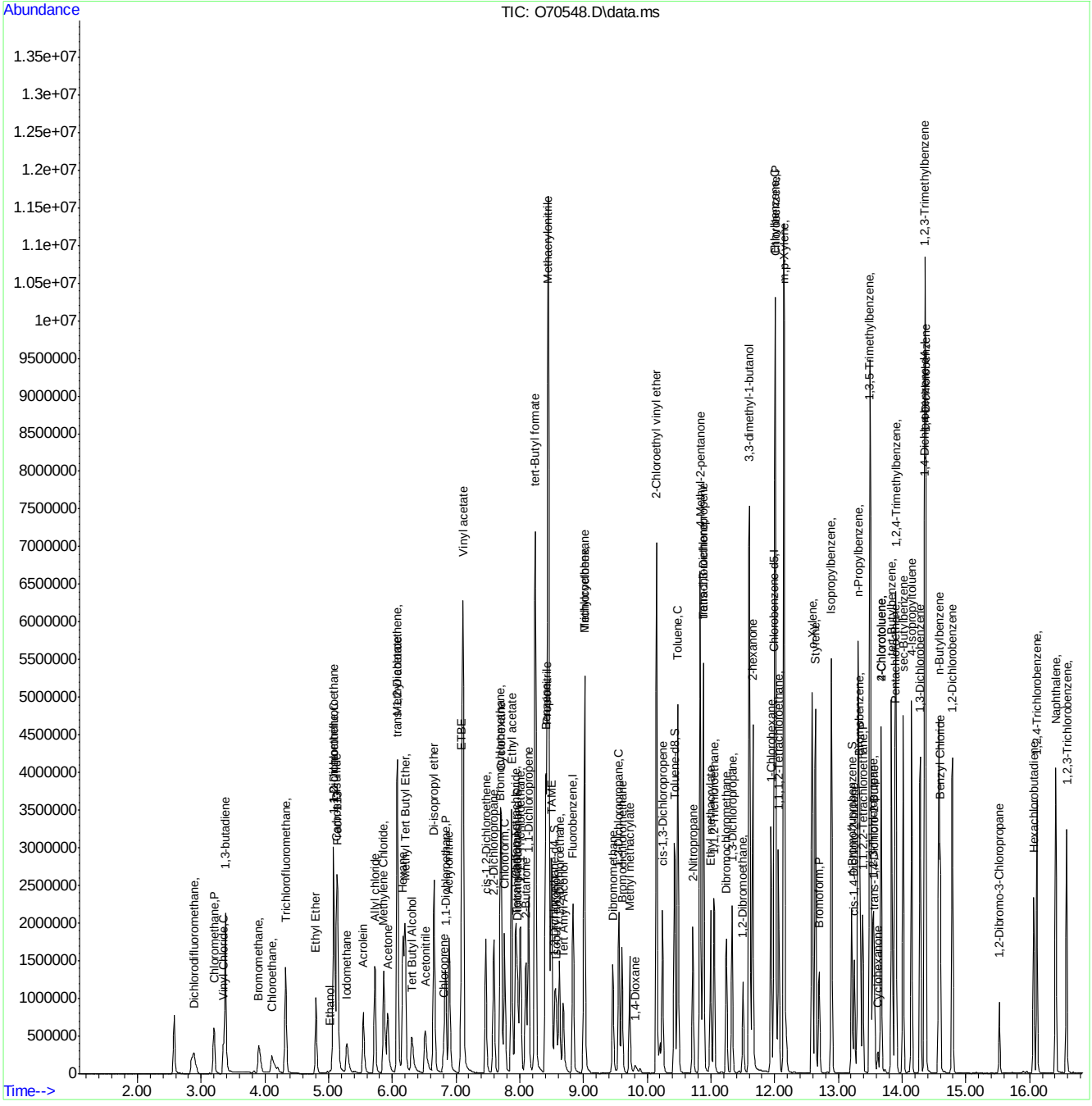
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	2312995	108.83	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.566	53	266612	119.31	ug/L		96
94) 1,2,3-Trichloropropane	13.542	110	290792	98.12	ug/L		98
95) Cyclohexanone	13.621	55	108869	516.54	ug/L		93
96) 4-Chlorotoluene	13.670	91	2312995	108.83	ug/L		99
97) tert-Butylbenzene	13.834	91	1428441	111.24	ug/L		99
99) 1,2,4-Trimethylbenzene	13.902	105	2657432	114.40	ug/L		99
100) Pentachloroethane	13.889	167	530003	123.89	ug/L		99
101) sec-Butylbenzene	14.017	105	2888845	112.95	ug/L		99
102) 4-Isopropyltoluene	14.151	119	2601396	115.61	ug/L		99
103) 1,3-Dichlorobenzene	14.286	146	1597947	106.60	ug/L		99
104) 1,2,3-Trimethylbenzene	14.359	105	2720464	110.99	ug/L		99
105) 1,4-Dichlorobenzene	14.371	146	1719253	106.46	ug/L		98
106) n-Butylbenzene	14.578	92	1312064	119.66	ug/L		99
107) Benzyl Chloride	14.597	126	365363	141.00	ug/L	#	85
108) 1,2-Dichlorobenzene	14.792	146	1518997	105.29	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	15.529	75	165068	119.33	ug/L		91
110) Hexachlorobutadiene	16.066	225	338392	121.06	ug/L		97
111) 1,2,4-Trichlorobenzene	16.115	180	920117	108.25	ug/L		99
112) Naphthalene	16.413	128	2584913	100.56	ug/L		99
113) 1,2,3-Trichlorobenzene	16.584	180	881482	104.44	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:20:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

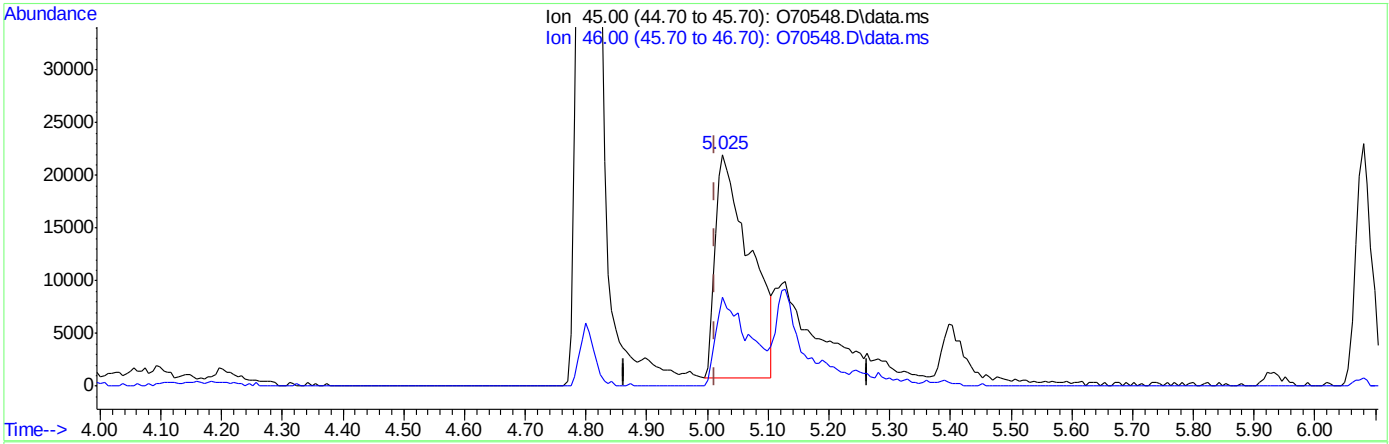
Sample Number: VO2796-IC2796
Lab FileID: O70548.D
Injection Time: 08/23/22 15:59
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

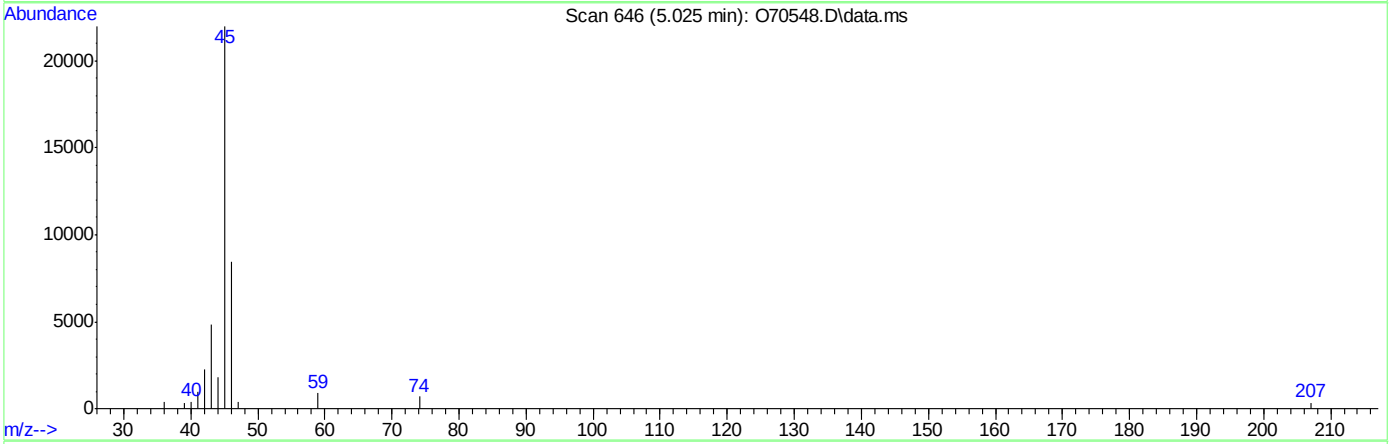
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.03	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.52	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(10) Ethanol

5.025min (+0.012) 1425.86ug/L

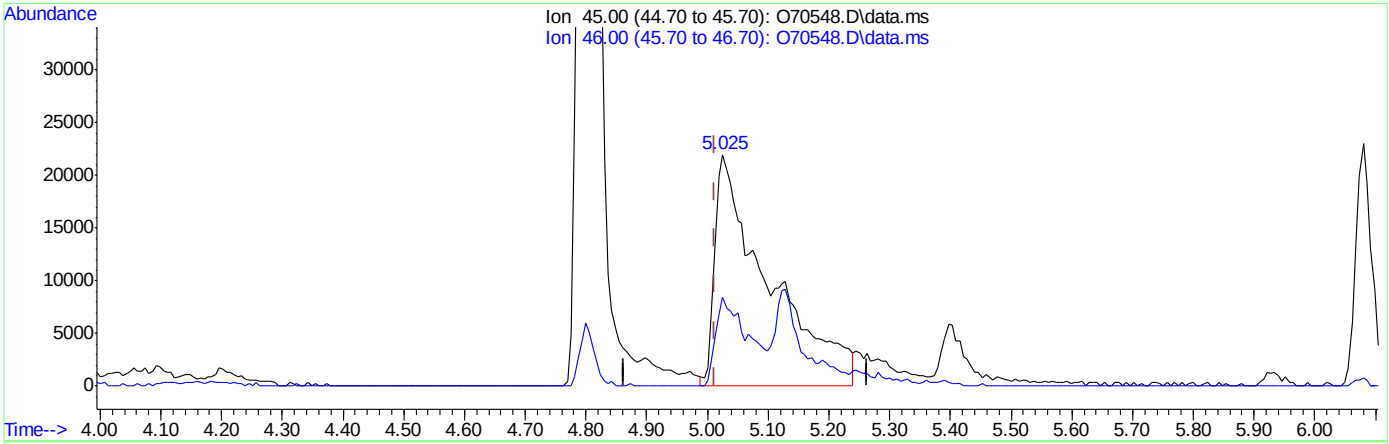
response 83529

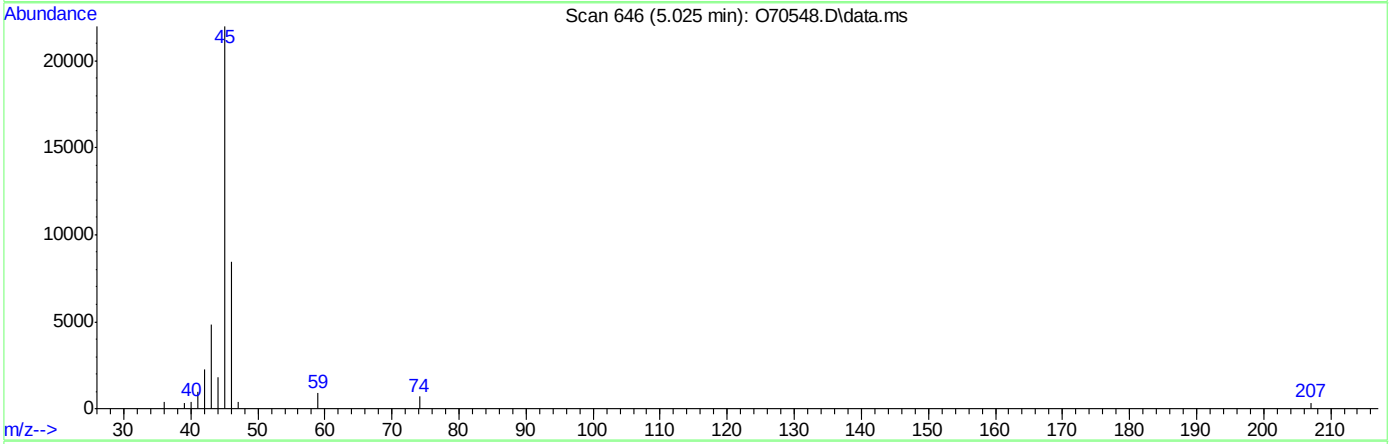
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	39.98
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(10) Ethanol

5.025min (+0.012) 2310.90ug/L m

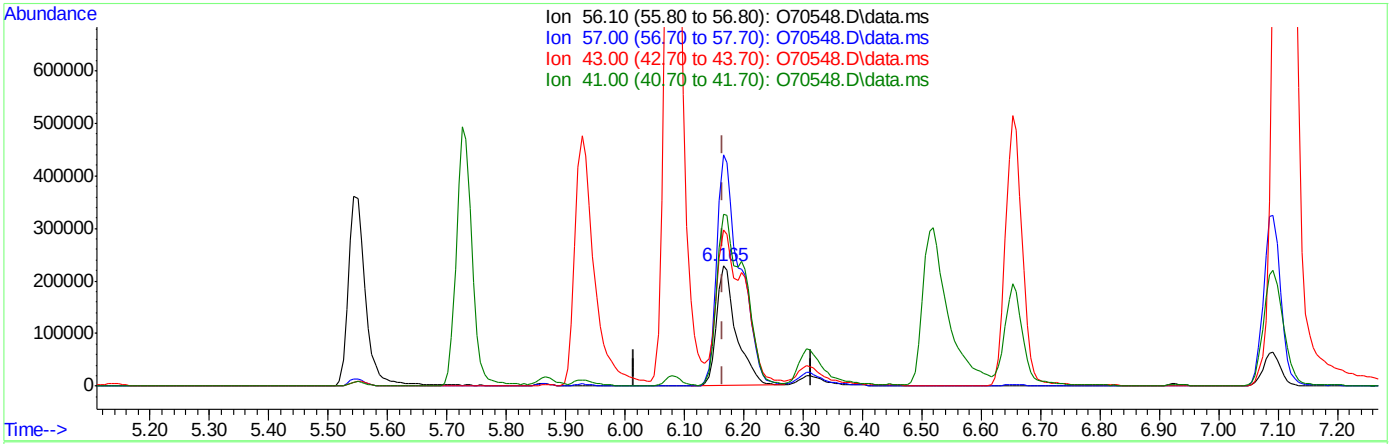
response 135376

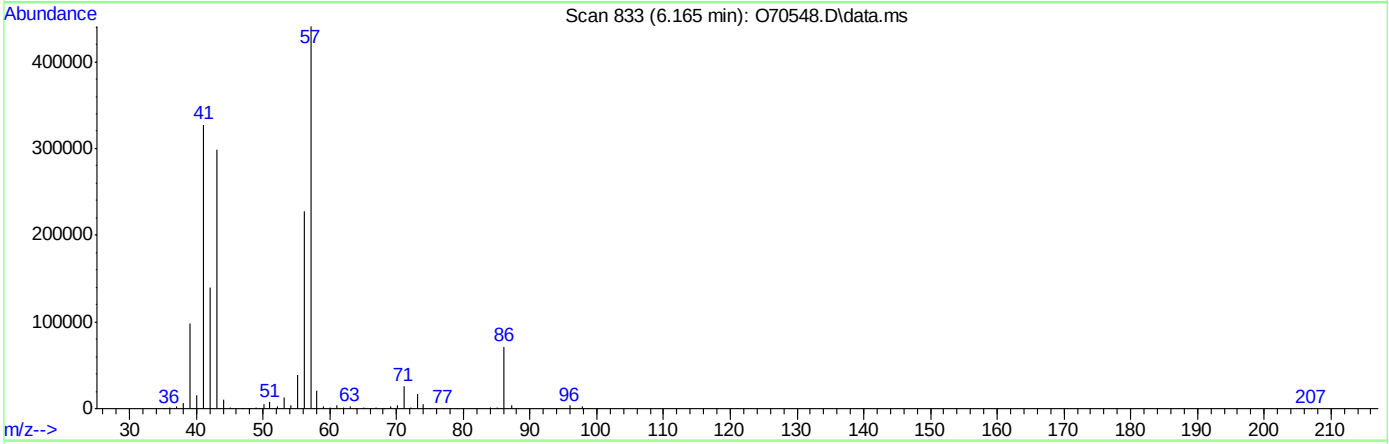
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	38.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(22) Hexane

6.165min (+0.000) 111.20ug/L

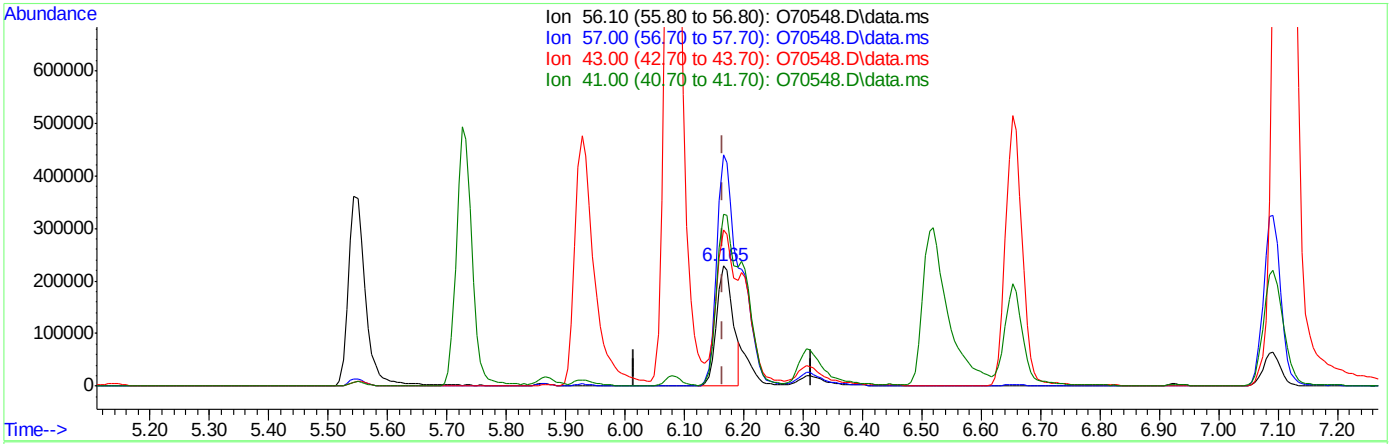
response 524701

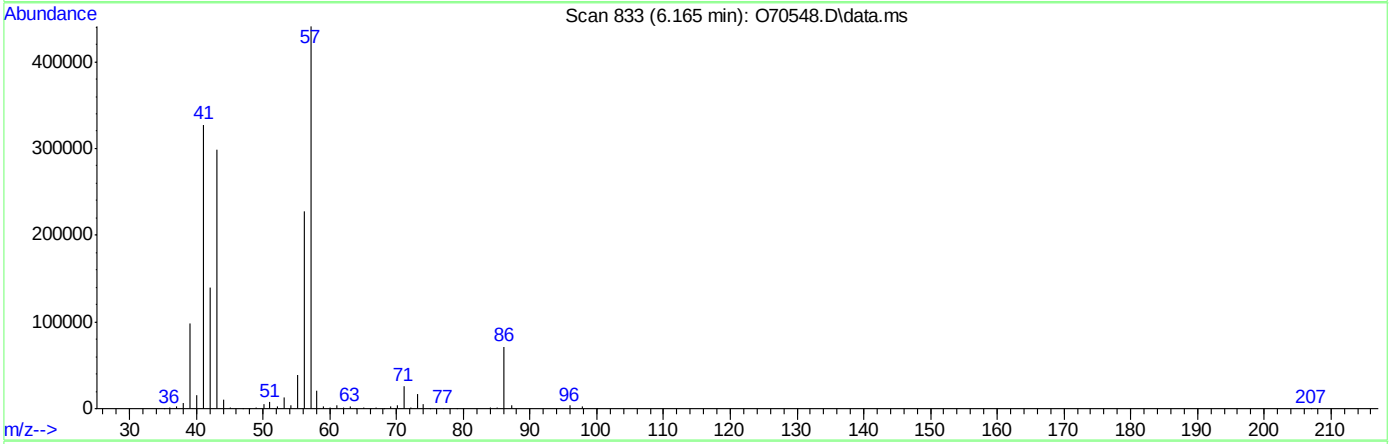
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	193.18
43.00	139.80	126.23
41.00	146.00	142.47

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(22) Hexane

6.165min (+0.000) 91.79ug/L m

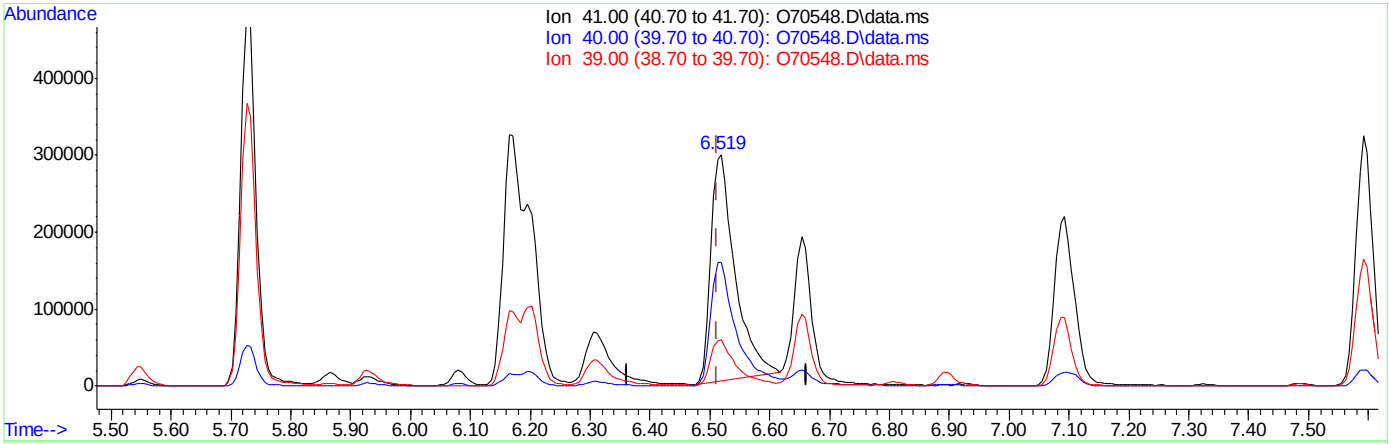
response 432800

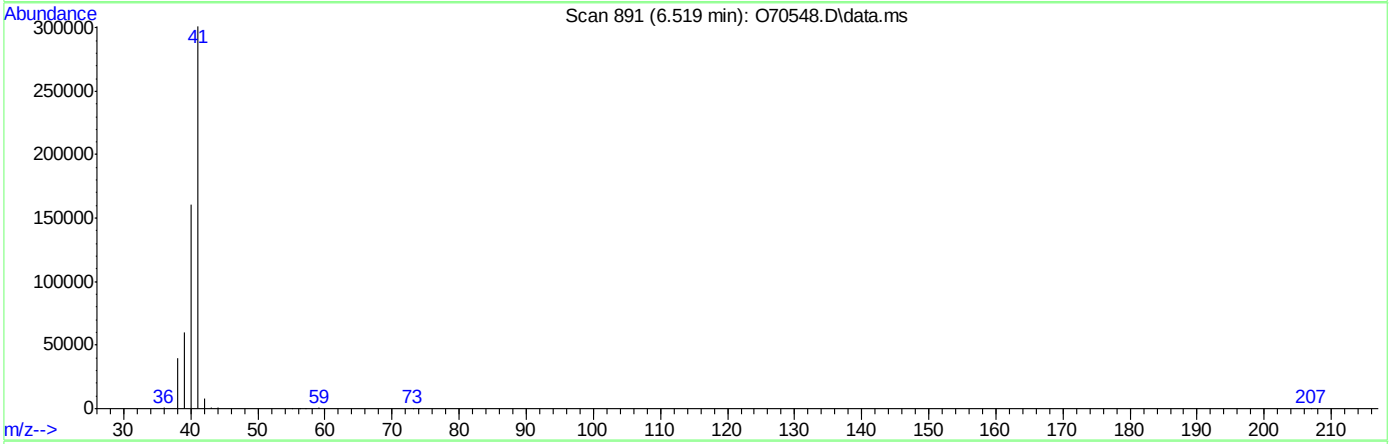
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	193.18
43.00	139.80	130.60
41.00	146.00	143.53

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 851.78ug/L

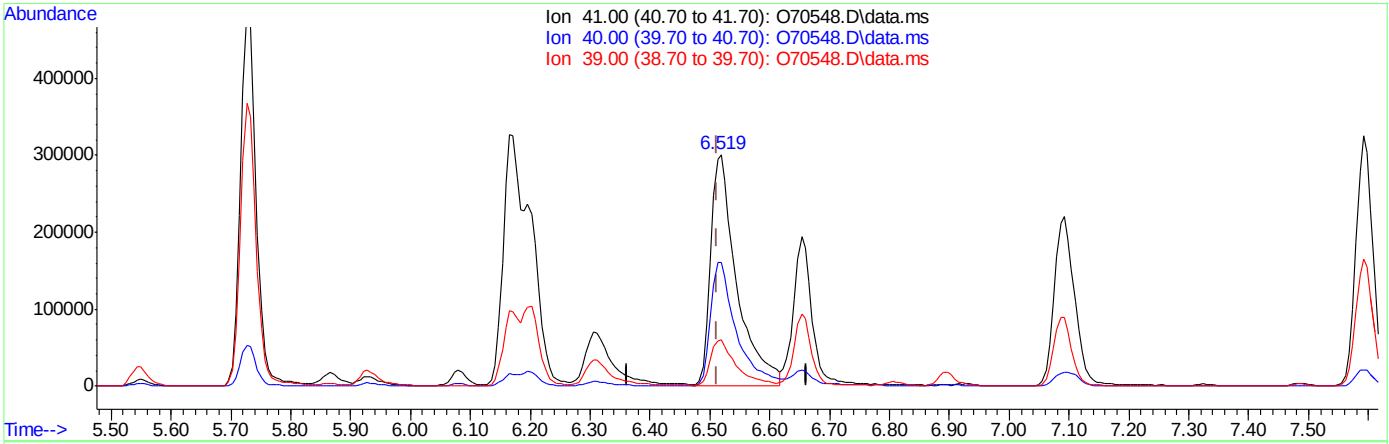
response 824968

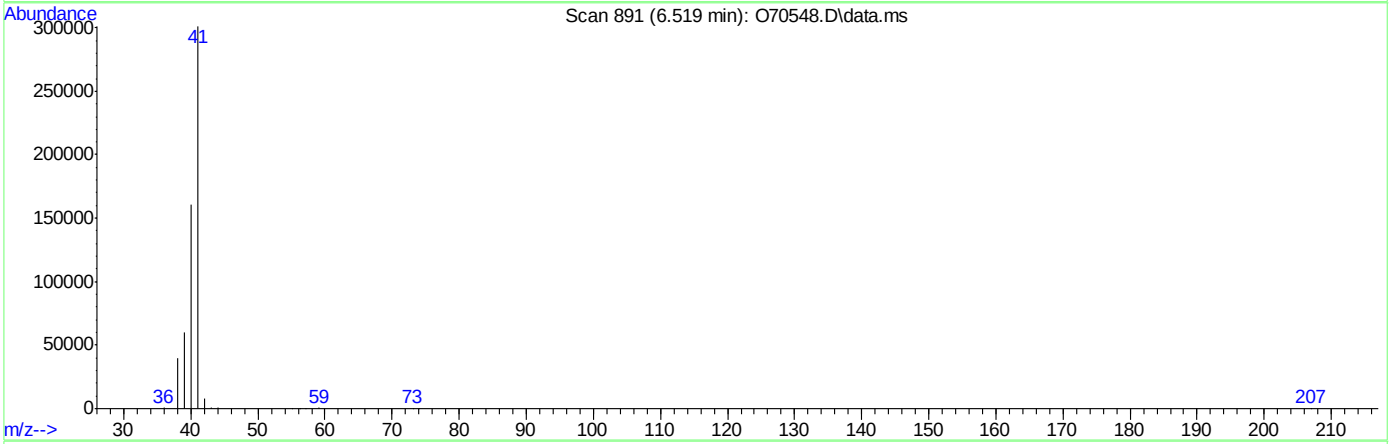
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.56
39.00	19.60	19.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 940.16ug/L m

response 910562

Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.38
39.00	19.60	20.04
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:41:05 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1807336	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1438794	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	742210	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	522026	51.17	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.34%			
50) 1,2-Dichloroethane-d4	8.549	65	525850	50.10	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.20%			
63) Toluene-d8	10.426	98	1791806	49.67	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.34%			
86) 4-Bromofluorobenzene	13.206	174	597104	50.24	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	220472	34.19	ug/L	98
3) Chloromethane	3.196	50	270509	37.72	ug/L	99
4) 1,3-butadiene	3.379	39	231919	34.47	ug/L	97
5) Vinyl Chloride	3.349	62	292026	36.24	ug/L	98
6) Bromomethane	3.897	94	146871	36.69	ug/L	99
7) Chloroethane	4.098	64	188946	36.45	ug/L	97
8) Trichlorofluoromethane	4.330	101	454106	35.43	ug/L	97
9) Ethyl Ether	4.799	59	214142	37.55	ug/L	99
10) Ethanol	5.019	45	43699m	682.91	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	315077	42.75	ug/L	97
12) 1,1-Dichloroethene	5.080	61	415276	40.16	ug/L	99
13) Freon 113	5.141	101	263846	39.81	ug/L	99
14) Carbon Disulfide	5.123	76	648536	34.53	ug/L	99
15) Iodomethane	5.287	142	117181	28.57	ug/L	97
16) Acrolein	5.543	56	251878	180.72	ug/L	100
17) Allyl chloride	5.726	41	348203	40.47	ug/L	98
18) Methylene Chloride	5.866	49	368250	38.16	ug/L	99
19) Acetone	5.927	43	449587	215.26	ug/L	100
20) Methyl acetate	6.080	43	1107858	206.14	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	392756	38.09	ug/L	98
22) Hexane	6.165	56	177436m	42.79	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	830589	46.23	ug/L	98
24) Tert Butyl Alcohol	6.299	59	234414	355.86	ug/L	97
25) Acetonitrile	6.513	41	320059m	355.69	ug/L	
26) Di-isopropyl ether	6.653	45	842817	39.94	ug/L	99
27) Chloroprene	6.805	53	373068	166.31	ug/L	98
28) 1,1-Dichloroethane	6.836	63	514903	40.44	ug/L	99
29) Acrylonitrile	6.891	52	478802	209.62	ug/L	98
30) ETBE	7.086	59	766750	37.47	ug/L	99
31) Vinyl acetate	7.110	43	3076665	219.21	ug/L	100
32) cis-1,2-Dichloroethene	7.470	96	291259	39.77	ug/L	98
33) 2,2-Dichloropropane	7.592	77	367364	36.78	ug/L	97
34) Bromochloromethane	7.695	128	156767	38.50	ug/L	98
35) Cyclohexane	7.707	56	435455	39.09	ug/L	96

7.6.21

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:41:05 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	502672	37.27	ug/L	99
37) Ethyl acetate	7.872	43	1473150	214.47	ug/L	99
38) Tetrahydrofuran	7.957	42	85728	39.67	ug/L	90
40) Carbon Tetrachloride	7.933	117	404281	39.01	ug/L	96
41) 1,1,1-Trichloroethane	8.006	97	466380	39.09	ug/L	99
42) 2-Butanone	8.092	43	709382	207.11	ug/L	99
43) 1,1-Dichloropropene	8.140	75	370864	37.68	ug/L	99
44) tert-Butyl formate	8.244	59	807824	170.28	ug/L	98
45) Propionitrile	8.421	54	378188	336.10	ug/L	97
46) Methacrylonitrile	8.445	41	1909536	365.18	ug/L	100
47) Benzene	8.409	78	1068809	37.54	ug/L	97
48) TAME	8.494	73	938973	53.58	ug/L	97
49) Isobutyl alcohol	8.567	43	164060	714.66	ug/L	99
51) 1,2-Dichloroethane	8.622	62	413124	37.42	ug/L	98
52) Tert Amyl Alcohol	8.677	59	168727	381.55	ug/L	97
53) Trichloroethene	9.018	95	300933	39.31	ug/L	97
54) Methylcyclohexane	9.012	83	377858	41.68	ug/L	99
55) Dibromomethane	9.457	93	179352	37.09	ug/L	98
56) 1,2-Dichloropropane	9.555	63	261509	36.93	ug/L	99
57) Bromodichloromethane	9.603	83	352866	39.20	ug/L	98
58) Methyl methacrylate	9.725	41	221075	37.53	ug/L	100
59) 1,4-Dioxane	9.811	88	48190	788.70	ug/L	96
60) 2-Chloroethyl vinyl ether	10.146	63	993809	205.15	ug/L	98
61) cis-1,3-Dichloropropene	10.237	75	399213	39.58	ug/L	98
64) Toluene	10.481	91	1173698	37.83	ug/L	99
65) 2-Nitropropane	10.713	41	370570	200.71	ug/L	99
66) 4-Methyl-2-pentanone	10.829	43	1451325	198.03	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	392671	43.95	ug/L	95
68) Tetrachloroethene	10.884	166	349777	37.84	ug/L	97
69) Ethyl methacrylate	10.993	69	304893	35.95	ug/L	98
70) 1,1,2-Trichloroethane	11.048	83	215946	38.53	ug/L	98
71) Dibromochloromethane	11.243	129	299530	38.75	ug/L	99
72) 1,3-Dichloropropane	11.335	76	406412	35.01	ug/L	99
73) 1,2-Dibromoethane	11.505	107	276178	38.42	ug/L	99
74) 3,3-dimethyl-1-butanol	11.597	57	1044906	2031.16	ug/L	99
75) 2-hexanone	11.652	43	1015385	205.44	ug/L	100
76) 1-Chlorohexane	11.944	91	350154m	41.23	ug/L	
77) Ethylbenzene	12.005	91	1326406	37.28	ug/L	99
78) Chlorobenzene	12.011	112	785007	37.06	ug/L	98
79) 1,1,1,2-Tetrachloroethane	12.060	131	289053	39.39	ug/L	97
80) m,p-Xylene	12.146	91	2046096	76.19	ug/L	99
81) o-Xylene	12.591	91	1018300	39.24	ug/L	98
82) Styrene	12.639	104	751805	41.34	ug/L	99
83) Bromoform	12.700	173	196815	42.40	ug/L	98
84) Isopropylbenzene	12.889	105	1247802	39.51	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	93028	36.13	ug/L	95
88) n-Propylbenzene	13.310	91	1412160	38.35	ug/L	99
89) Bromobenzene	13.334	156	336094	35.86	ug/L	99
90) 1,1,2,2-Tetrachloroethane	13.383	83	352722	38.26	ug/L	99
91) 1,3,5-Trimethylbenzene	13.493	105	1014183	38.58	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:41:05 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

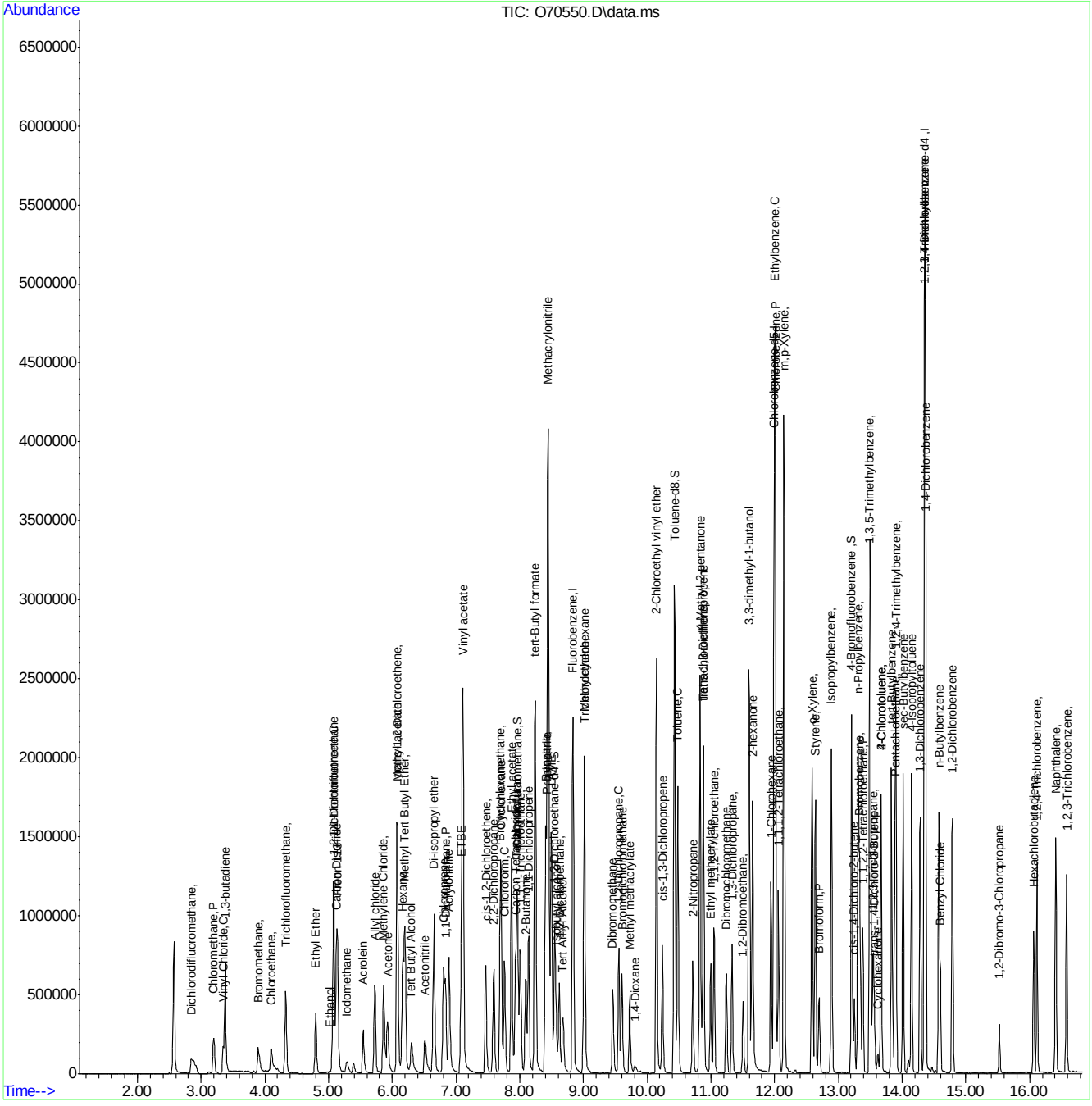
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	886075	38.89	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.566	53	79328	33.71	ug/L	#	75
94) 1,2,3-Trichloropropane	13.542	110	108364	36.79	ug/L		98
95) Cyclohexanone	13.621	55	45179	206.74	ug/L		97
96) 4-Chlorotoluene	13.670	91	886075	38.89	ug/L		99
97) tert-Butylbenzene	13.834	91	545655	38.67	ug/L		99
99) 1,2,4-Trimethylbenzene	13.901	105	1006800	39.53	ug/L		100
100) Pentachloroethane	13.889	167	185703	37.81	ug/L		96
101) sec-Butylbenzene	14.017	105	1142075	40.57	ug/L		99
102) 4-Isopropyltoluene	14.151	119	1003666	40.69	ug/L		99
103) 1,3-Dichlorobenzene	14.285	146	622575	38.19	ug/L		99
104) 1,2,3-Trimethylbenzene	14.359	105	1070650	39.66	ug/L		99
105) 1,4-Dichlorobenzene	14.371	146	648950	38.65	ug/L		100
106) n-Butylbenzene	14.578	92	454990	37.17	ug/L		99
107) Benzyl Chloride	14.602	126	85094	30.59	ug/L		98
108) 1,2-Dichlorobenzene	14.791	146	587180	37.85	ug/L		98
109) 1,2-Dibromo-3-Chloropr...	15.529	75	55659	38.15	ug/L		93
110) Hexachlorobutadiene	16.066	225	128685	36.50	ug/L		97
111) 1,2,4-Trichlorobenzene	16.120	180	352399	37.69	ug/L		99
112) Naphthalene	16.413	128	964075	39.49	ug/L		99
113) 1,2,3-Trichlorobenzene	16.584	180	338519	36.75	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:41:05 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

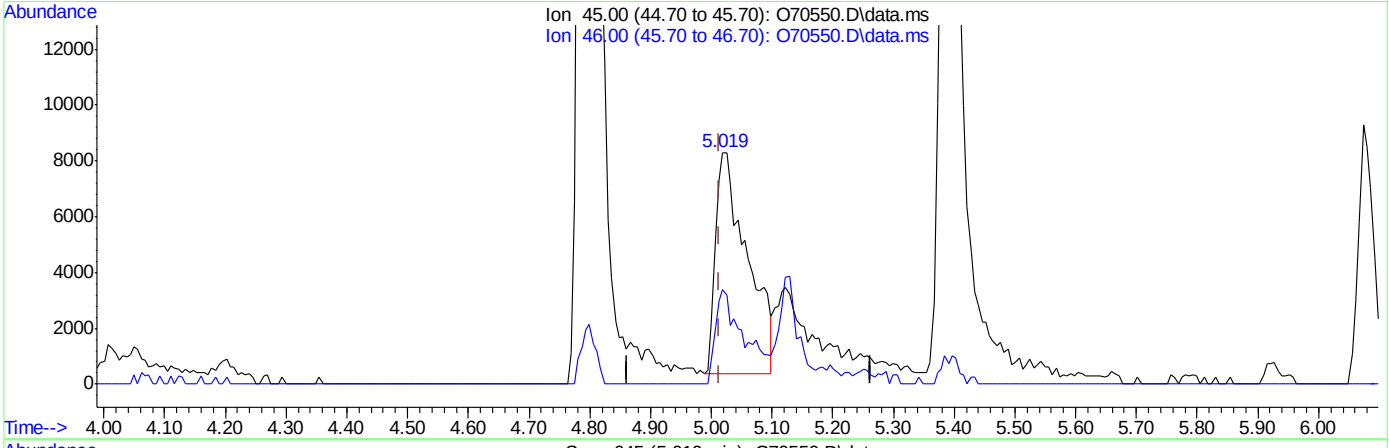
Sample Number: VO2796-ICV2796
Lab FileID: O70550.D
Injection Time: 08/23/22 16:49
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

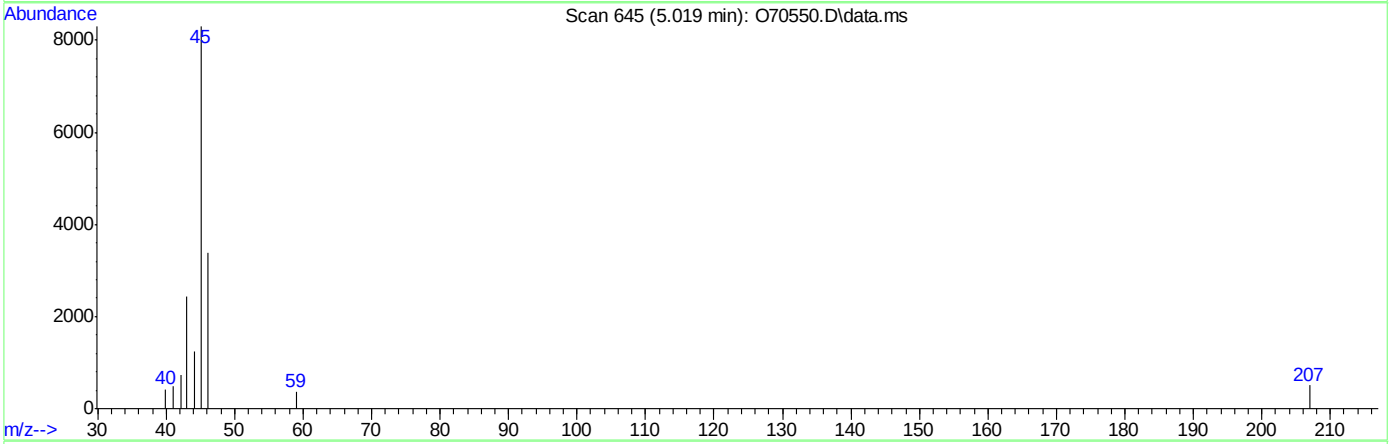
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.02	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(10) Ethanol

5.019min (+0.006) 453.85ug/L

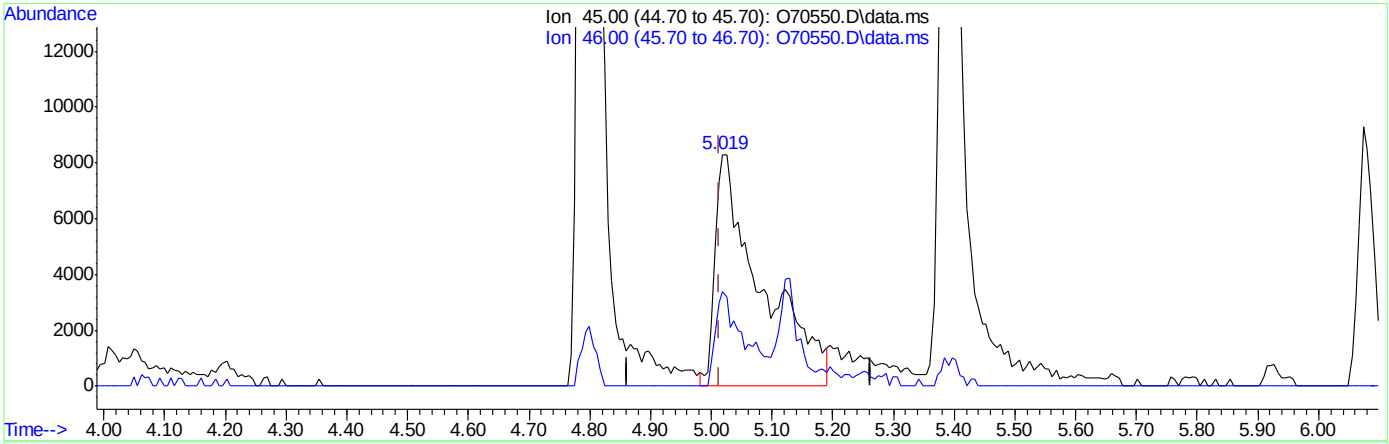
response 28736

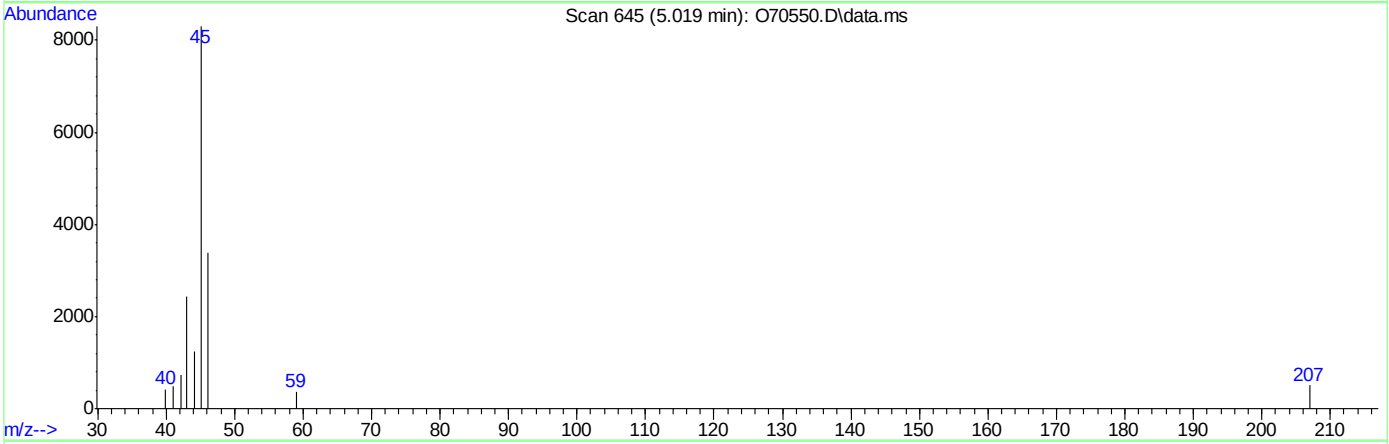
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	42.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(10) Ethanol

5.019min (+0.006) 682.91ug/L m

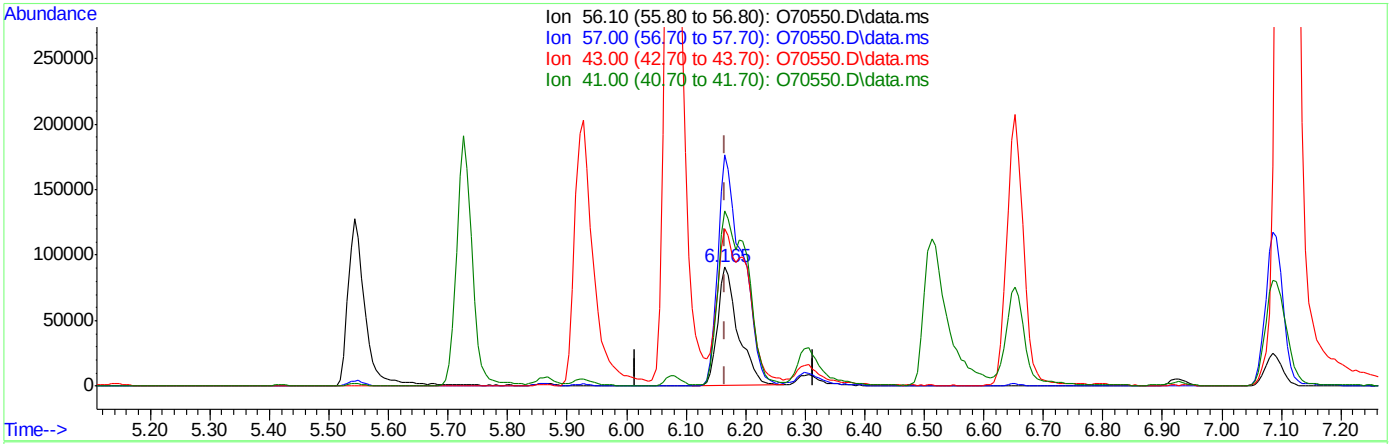
response 43699

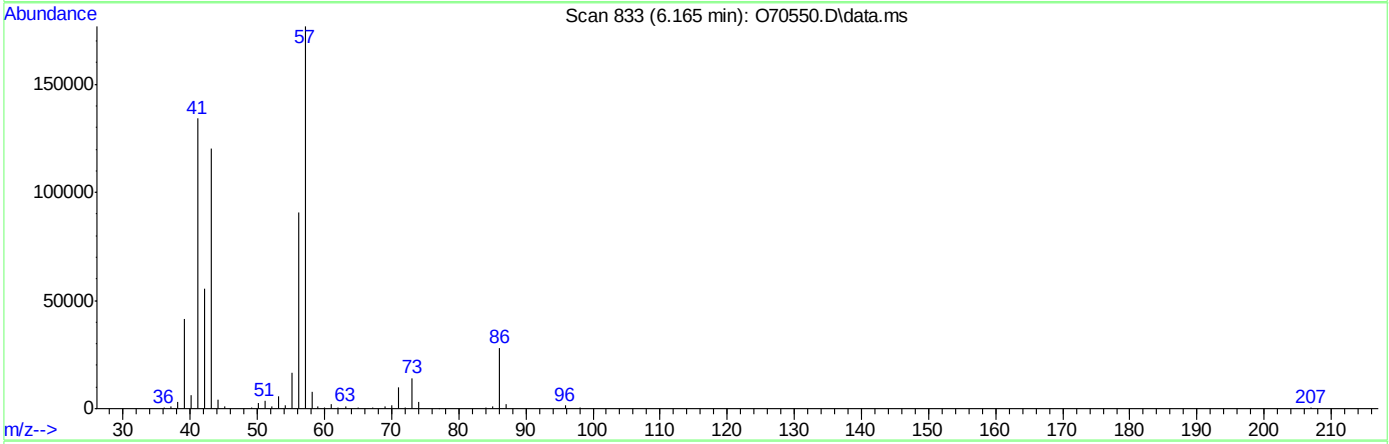
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	40.80
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(22) Hexane

6.165min (+0.000) 51.43ug/L

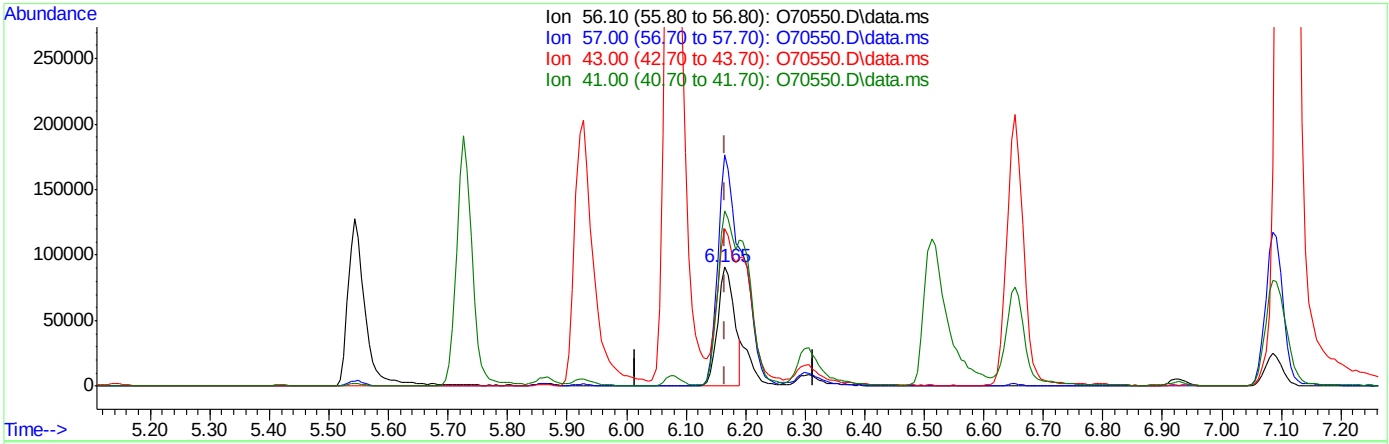
response 215471

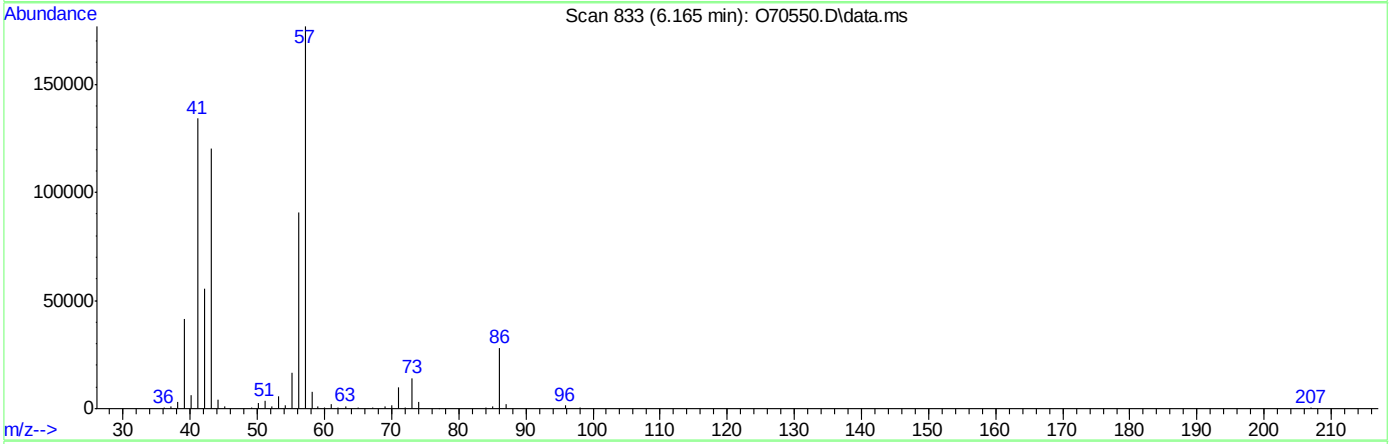
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	194.77
43.00	133.10	127.17
41.00	145.50	146.72

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(22) Hexane

6.165min (+0.000) 42.79ug/L m

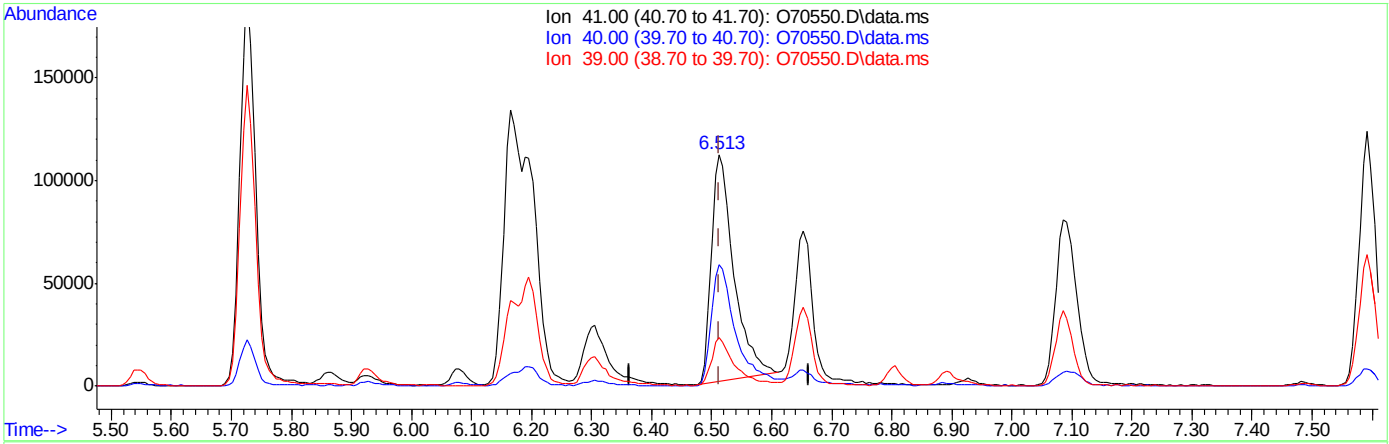
response 177436

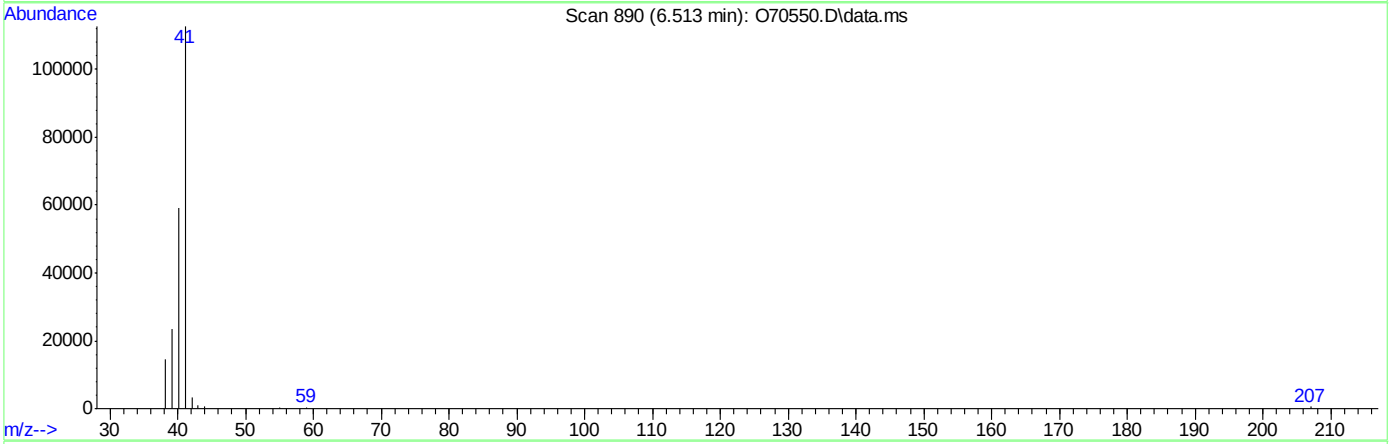
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	194.77
43.00	133.10	132.48
41.00	145.50	147.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 318.52ug/L

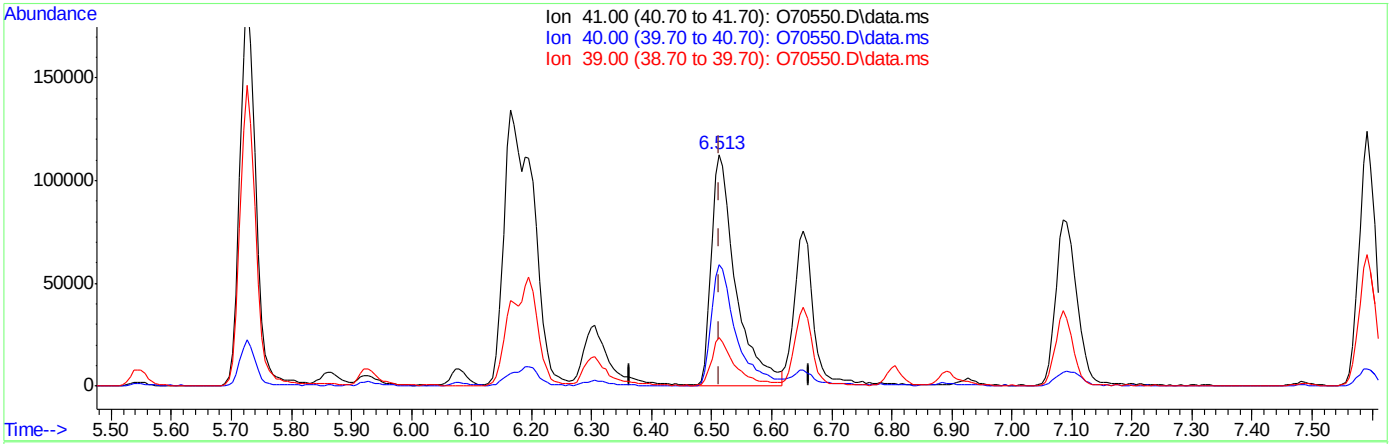
response 286528

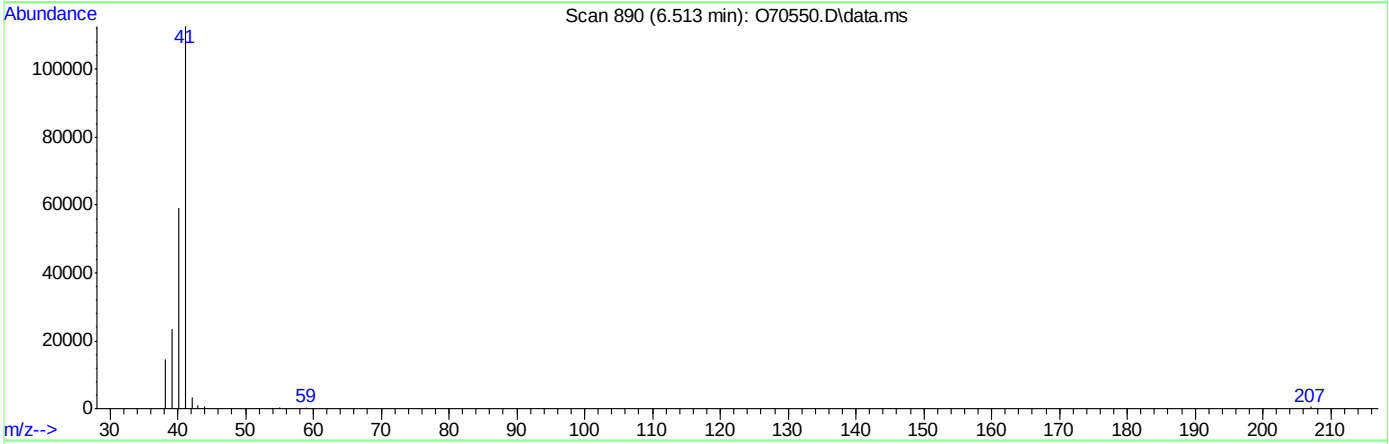
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	52.69
39.00	20.00	20.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 355.69ug/L m

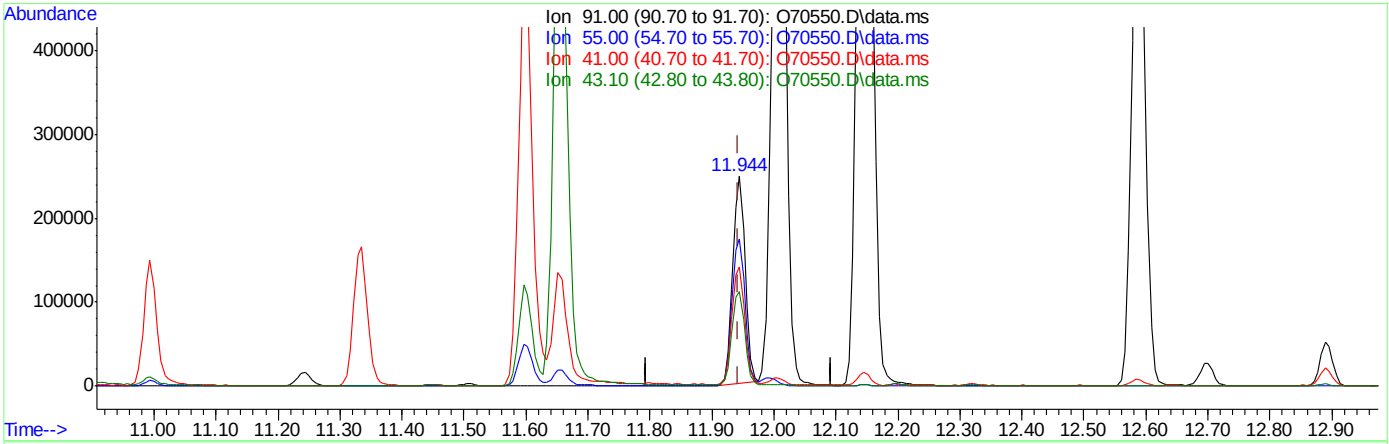
response 320059

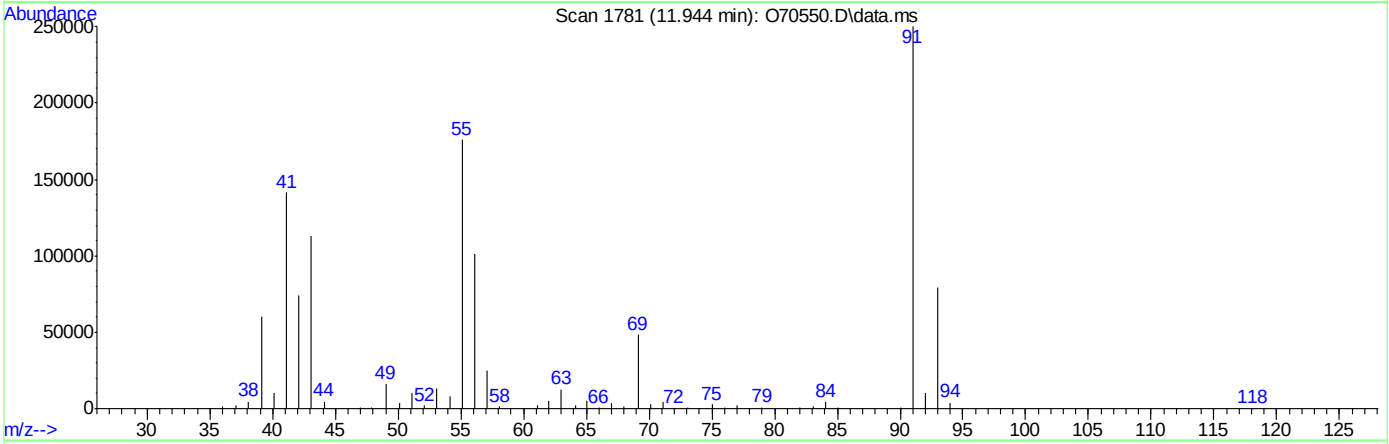
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	52.63
39.00	20.00	20.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 39.95ug/L

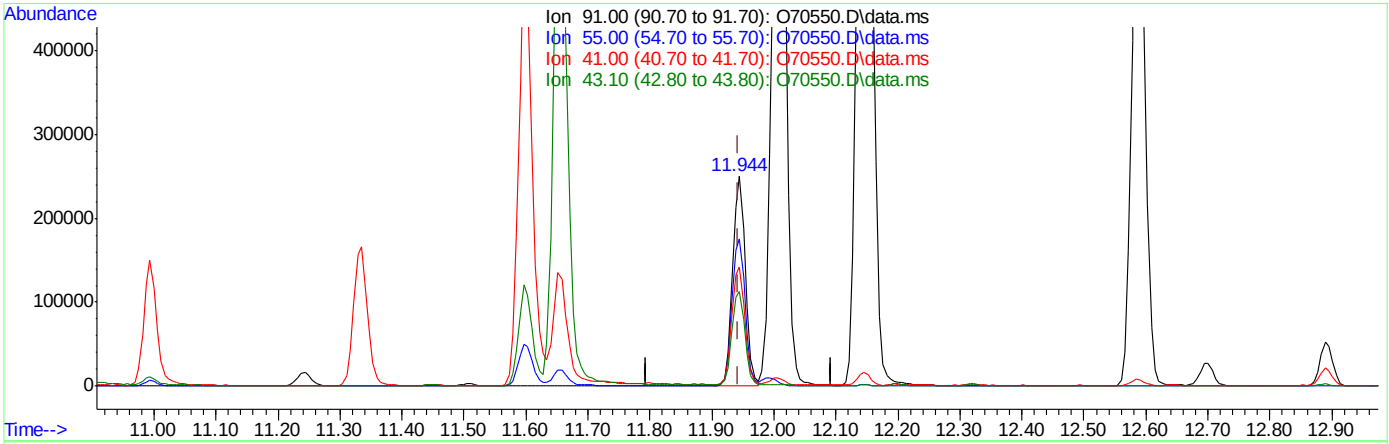
response 339291

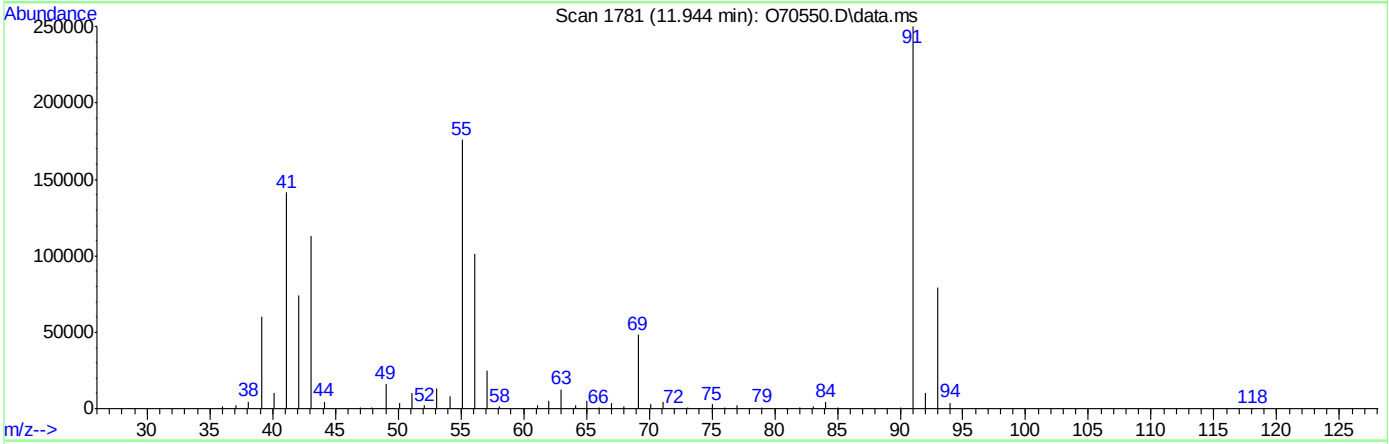
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.06
41.00	54.70	55.69
43.10	44.50	44.64

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 41.23ug/L m

response 350154

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.26
41.00	54.70	56.52
43.10	44.50	45.11

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:49:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1541756	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1292655	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	682138	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	435906	50.08	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.16%			
50) 1,2-Dichloroethane-d4	8.549	65	448784	50.12	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.24%			
63) Toluene-d8	10.426	98	1542692	47.60	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.20%			
86) 4-Bromofluorobenzene	13.206	174	536980	49.16	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.32%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.843	85	303337	55.23	ug/L	95
3) Chloromethane	3.196	50	274497	44.98	ug/L	98
4) 1,3-butadiene	3.373	39	200190	34.88	ug/L	99
5) Vinyl Chloride	3.342	62	312869	45.62	ug/L	99
6) Bromomethane	3.897	94	130477	38.23	ug/L	97
7) Chloroethane	4.098	64	203774	48.55	ug/L	99
8) Trichlorofluoromethane	4.330	101	459184	42.00	ug/L	100
9) Ethyl Ether	4.793	59	190454	39.15	ug/L	96
10) Ethanol	5.013	45	46206m	840.38	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	266153	42.33	ug/L	99
12) 1,1-Dichloroethene	5.080	61	373510	42.34	ug/L	99
13) Freon 113	5.141	101	265708	46.67	ug/L	99
14) Carbon Disulfide	5.123	76	688943	42.50	ug/L	99
15) Iodomethane	5.281	142	108246	30.44	ug/L	98
16) Acrolein	5.543	56	228873	192.50	ug/L	99
17) Allyl chloride	5.726	41	266375	36.43	ug/L	98
18) Methylene Chloride	5.860	49	352209	42.78	ug/L	98
19) Acetone	5.921	43	357719	201.09	ug/L	98
20) Methyl acetate	6.074	43	956281	208.59	ug/L	100
21) trans-1,2-Dichloroethene	6.074	61	359460	40.87	ug/L	99
22) Hexane	6.165	56	166581m	46.87	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	610509	39.84	ug/L	99
24) Tert Butyl Alcohol	6.299	59	212543	378.24	ug/L	94
25) Acetonitrile	6.513	41	302489m	393.96	ug/L	
26) Di-isopropyl ether	6.653	45	726787	40.37	ug/L	100
27) Chloroprene	6.805	53	59751	37.34	ug/L	98
28) 1,1-Dichloroethane	6.830	63	441132	40.61	ug/L	99
29) Acrylonitrile	6.891	52	396920	203.71	ug/L	99
30) ETBE	7.086	59	705427	40.41	ug/L	99
31) Vinyl acetate	7.104	43	2501383	208.92	ug/L	99
32) cis-1,2-Dichloroethene	7.464	96	257361	41.18	ug/L	96
33) 2,2-Dichloropropane	7.592	77	344271	40.41	ug/L	98
34) Bromochloromethane	7.695	128	144935	41.69	ug/L	98
35) Cyclohexane	7.707	56	425899	44.81	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:49:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	461079	40.07	ug/L	100
37) Ethyl acetate	7.866	43	1189175	202.95	ug/L	99
38) Tetrahydrofuran	7.957	42	73010	39.61	ug/L	96
40) Carbon Tetrachloride	7.933	117	372235	42.10	ug/L	96
41) 1,1,1-Trichloroethane	8.006	97	422239	41.49	ug/L	99
42) 2-Butanone	8.092	43	564610	193.24	ug/L	99
43) 1,1-Dichloropropene	8.140	75	349812	41.66	ug/L	99
44) tert-Butyl formate	8.244	59	808058	199.67	ug/L	97
45) Propionitrile	8.421	54	357982	371.76	ug/L	99
46) Methacrylonitrile	8.445	41	1748156	391.67	ug/L	99
47) Benzene	8.409	78	974162	40.11	ug/L	99
48) TAME	8.494	73	606039	41.02	ug/L	99
49) Isobutyl alcohol	8.567	43	163672	831.04	ug/L	99
51) 1,2-Dichloroethane	8.622	62	369739	39.26	ug/L	99
52) Tert Amyl Alcohol	8.677	59	153985	408.20	ug/L	97
53) Trichloroethene	9.012	95	275796	42.15	ug/L	98
54) Methylcyclohexane	9.012	83	364971	46.74	ug/L	97
55) Dibromomethane	9.457	93	162919	39.50	ug/L	99
56) 1,2-Dichloropropane	9.555	63	247073	40.90	ug/L	99
57) Bromodichloromethane	9.603	83	312864	40.75	ug/L	97
58) Methyl methacrylate	9.725	41	196500	39.00	ug/L	97
59) 1,4-Dioxane	9.805	88	47723	919.95	ug/L	94
60) 2-Chloroethyl vinyl ether	10.146	63	822132	199.34	ug/L	99
61) cis-1,3-Dichloropropene	10.238	75	357763	41.58	ug/L	98
64) Toluene	10.481	91	1047109	37.57	ug/L	99
65) 2-Nitropropane	10.713	41	325547	196.26	ug/L	99
66) 4-Methyl-2-pentanone	10.829	43	1237625	187.96	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	322571	40.19	ug/L	95
68) Tetrachloroethene	10.878	166	324515	39.07	ug/L	99
69) Ethyl methacrylate	10.993	69	284339	37.25	ug/L	97
70) 1,1,2-Trichloroethane	11.048	83	192160	38.17	ug/L	98
71) Dibromochloromethane	11.243	129	271034	39.03	ug/L	99
72) 1,3-Dichloropropane	11.335	76	382399	36.67	ug/L	99
73) 1,2-Dibromoethane	11.506	107	244880	37.92	ug/L	99
74) 3,3-dimethyl-1-butanol	11.597	57	936605	2027.02	ug/L	99
75) 2-hexanone	11.652	43	861202	193.94	ug/L	99
76) 1-Chlorohexane	11.944	91	321445m	42.13	ug/L	
77) Ethylbenzene	12.005	91	1221391	38.21	ug/L	99
78) Chlorobenzene	12.012	112	718220	37.74	ug/L	100
79) 1,1,1,2-Tetrachloroethane	12.060	131	261564	39.68	ug/L	99
80) m,p-Xylene	12.146	91	1876962	77.80	ug/L	99
81) o-Xylene	12.585	91	897893	38.51	ug/L	99
82) Styrene	12.639	104	668331	40.91	ug/L	100
83) Bromoform	12.700	173	164478	39.44	ug/L	100
84) Isopropylbenzene	12.889	105	1122780	39.57	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	86289	36.43	ug/L	94
88) n-Propylbenzene	13.310	91	1288344	38.06	ug/L	98
89) Bromobenzene	13.334	156	319201	37.06	ug/L	99
90) 1,1,2,2-Tetrachloroethane	13.377	83	314020	37.06	ug/L	99
91) 1,3,5-Trimethylbenzene	13.493	105	940843	38.94	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:49:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

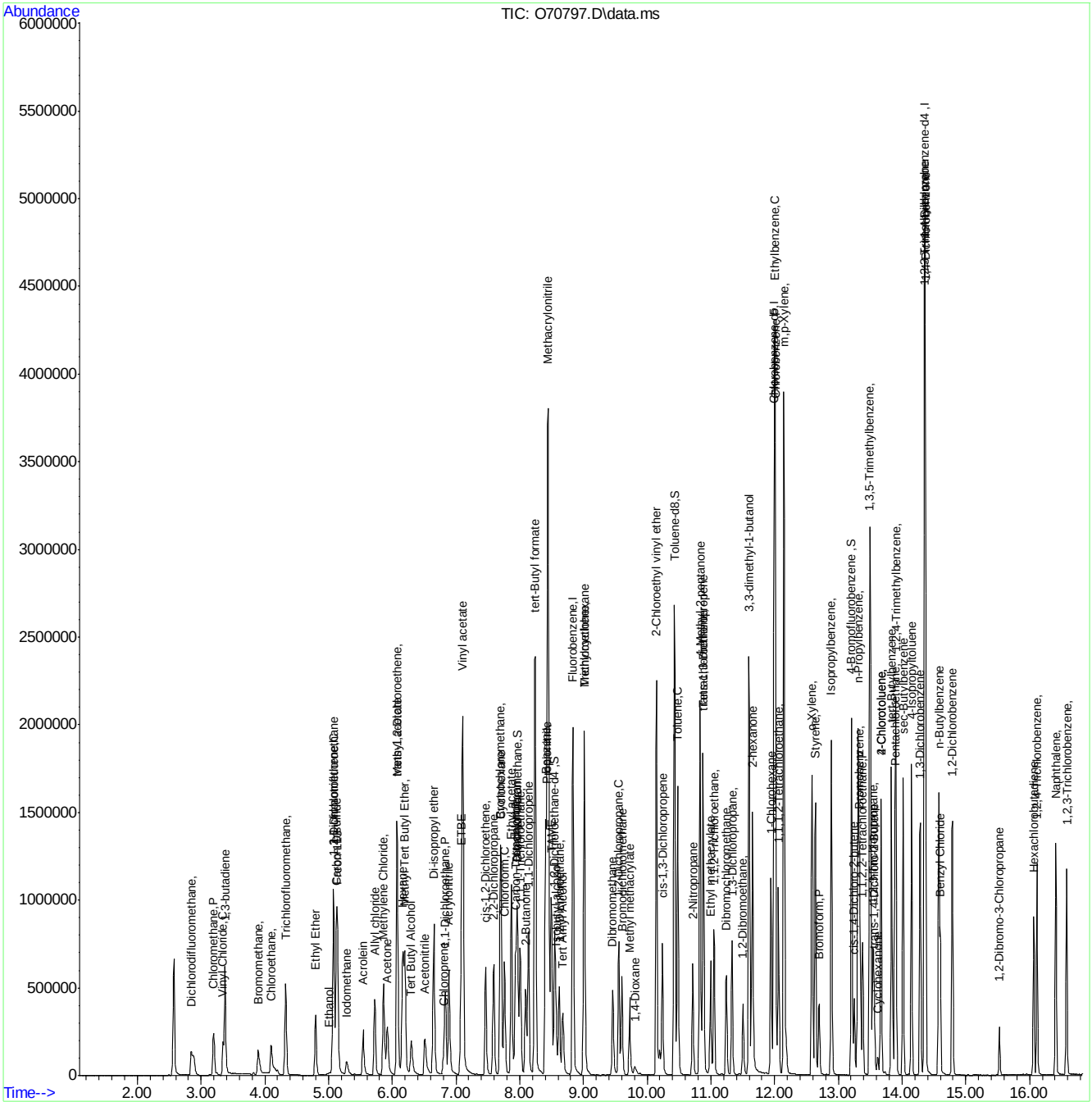
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	785876	37.53	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.566	53	84601	39.12	ug/L	#	74
94) 1,2,3-Trichloropropane	13.542	110	100361	37.07	ug/L		97
95) Cyclohexanone	13.615	55	41318	205.73	ug/L		91
96) 4-Chlorotoluene	13.670	91	785876	37.53	ug/L		99
97) tert-Butylbenzene	13.834	91	496991	38.32	ug/L		99
99) 1,2,4-Trimethylbenzene	13.901	105	902554	38.56	ug/L		97
100) Pentachloroethane	13.889	167	164808	36.57	ug/L		98
101) sec-Butylbenzene	14.017	105	1010513	39.06	ug/L		100
102) 4-Isopropyltoluene	14.145	119	907433	40.02	ug/L		98
103) 1,3-Dichlorobenzene	14.286	146	557845	37.23	ug/L		98
104) 1,2,3-Trimethylbenzene	14.359	105	930789	37.51	ug/L		98
105) 1,4-Dichlorobenzene	14.365	146	594295	38.52	ug/L		97
106) n-Butylbenzene	14.578	92	444505	39.51	ug/L		99
107) Benzyl Chloride	14.602	126	96715	36.69	ug/L		97
108) 1,2-Dichlorobenzene	14.791	146	534042	37.45	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	15.529	75	47711	35.59	ug/L		98
110) Hexachlorobutadiene	16.066	225	128435	39.68	ug/L		98
111) 1,2,4-Trichlorobenzene	16.121	180	319083	37.13	ug/L		99
112) Naphthalene	16.413	128	827104	36.97	ug/L		99
113) 1,2,3-Trichlorobenzene	16.584	180	311837	36.83	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:49:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

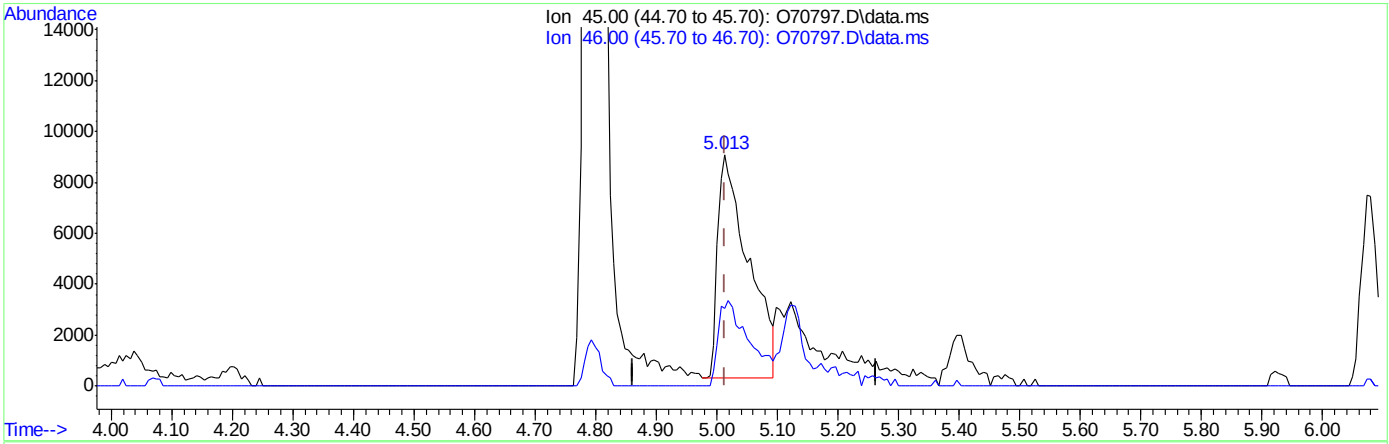
Sample Number: VO2808-CC2796
Lab FileID: O70797.D
Injection Time: 09/01/22 11:29
Method: SW846 8260D
Analyst approved: 09/01/22 11:49 Jo-Ann Lugo De Jesus
Supervisor approved: 09/02/22 08:58 Karen Watson

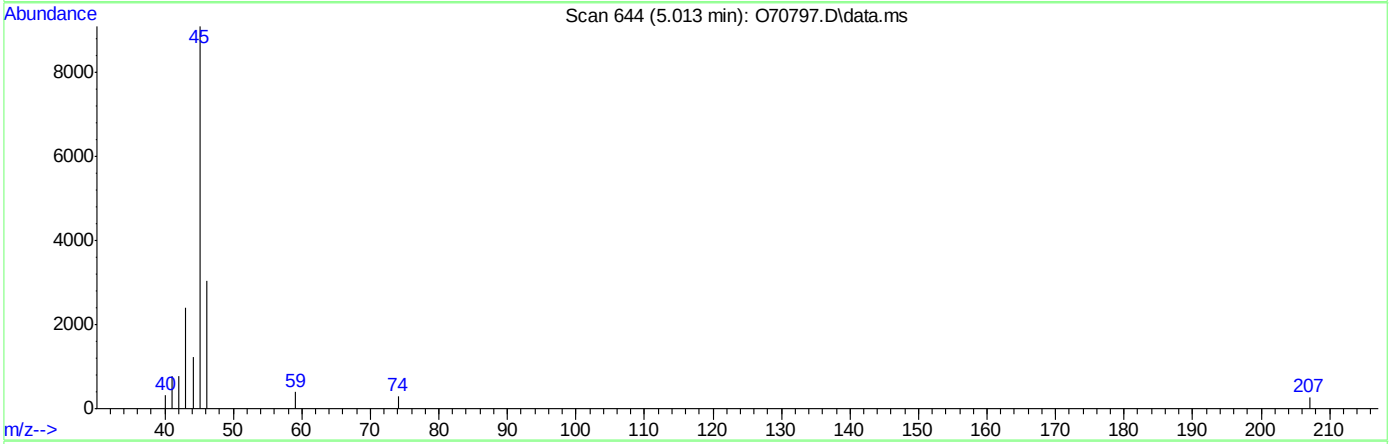
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(10) Ethanol

5.013min (-0.000) 564.93ug/L

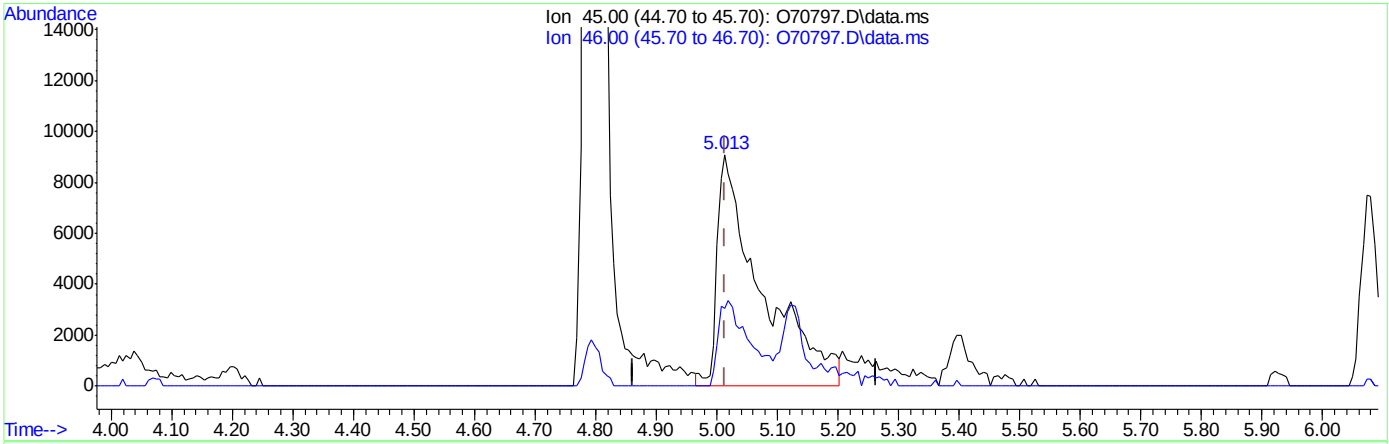
response 30670

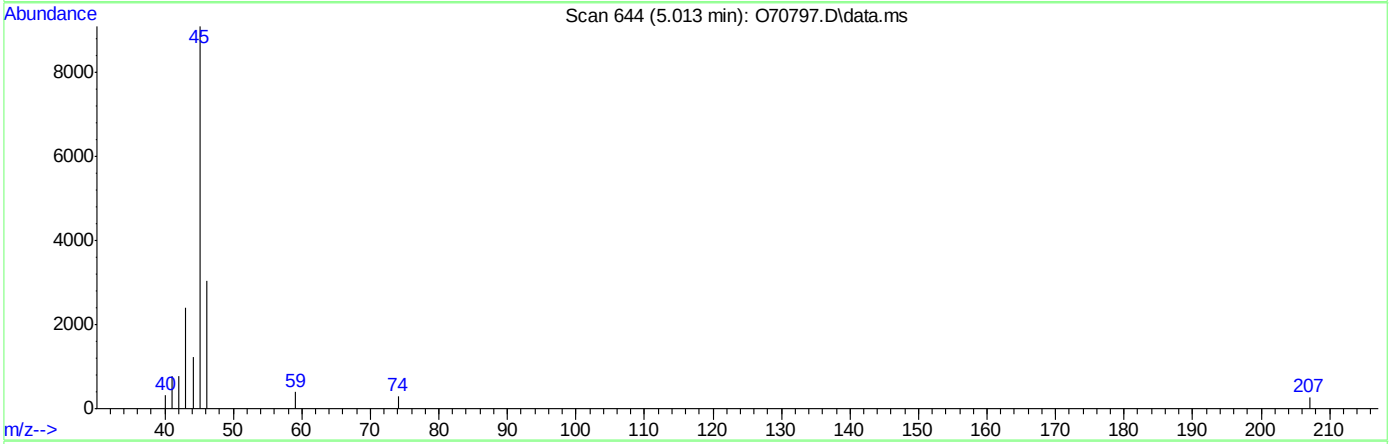
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	34.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
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Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(10) Ethanol

5.013min (-0.000) 840.38ug/L m

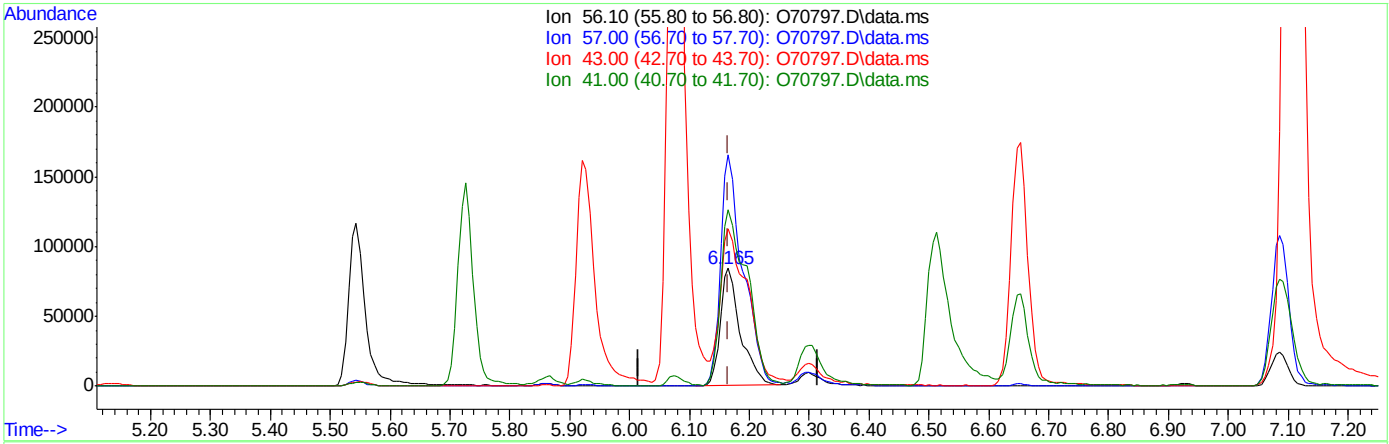
response 46206

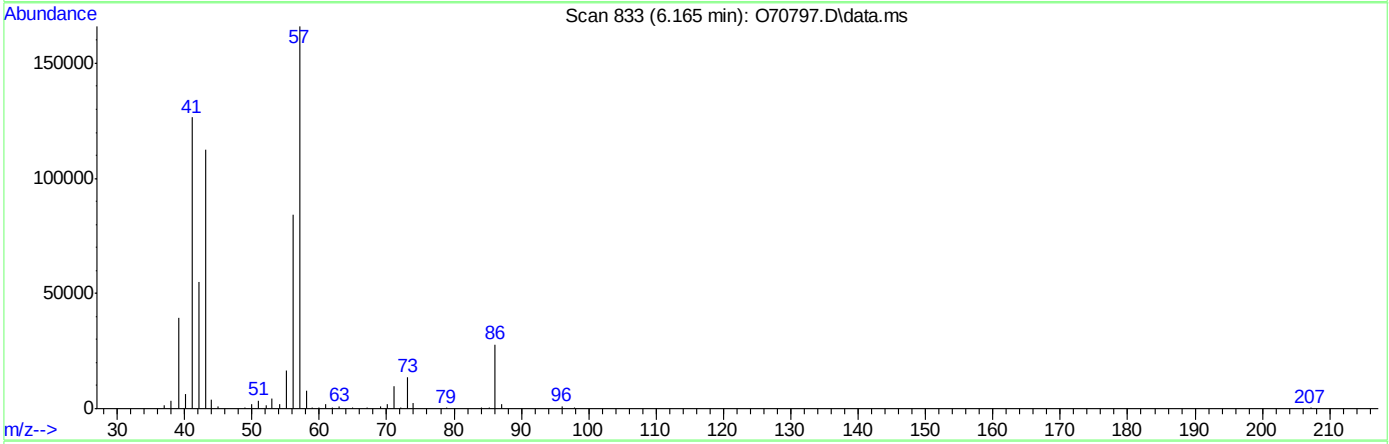
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	33.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
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Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(22) Hexane

6.165min (+0.000) 54.38ug/L

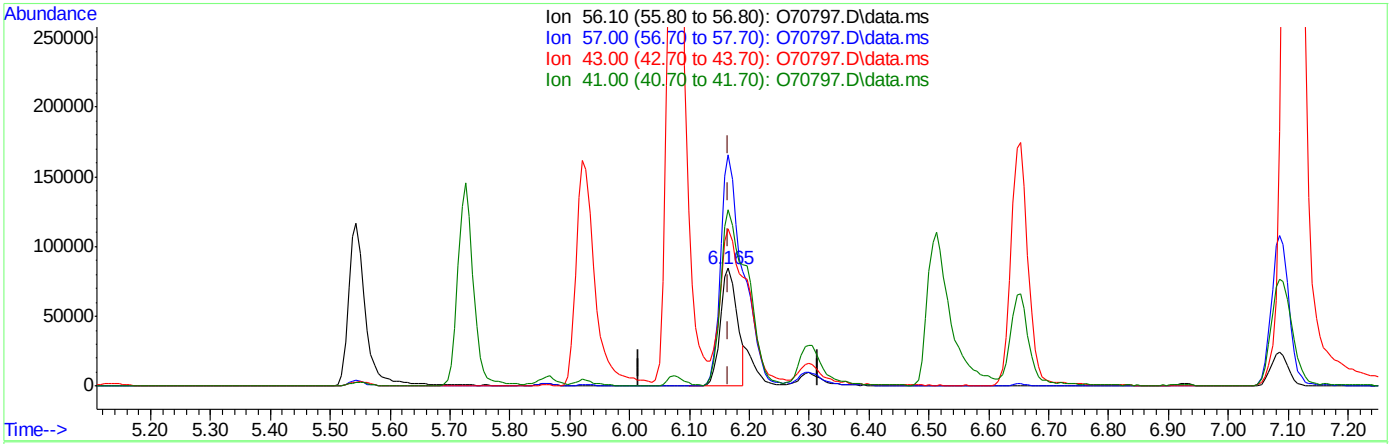
response 195024

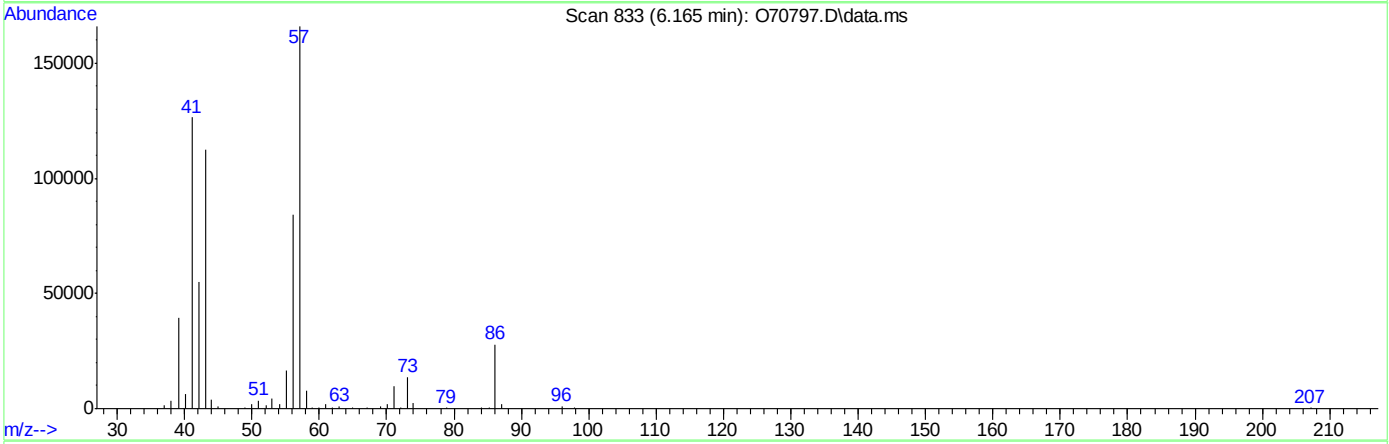
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	196.53
43.00	133.10	127.41
41.00	145.50	148.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(22) Hexane

6.165min (+0.000) 46.87ug/L m

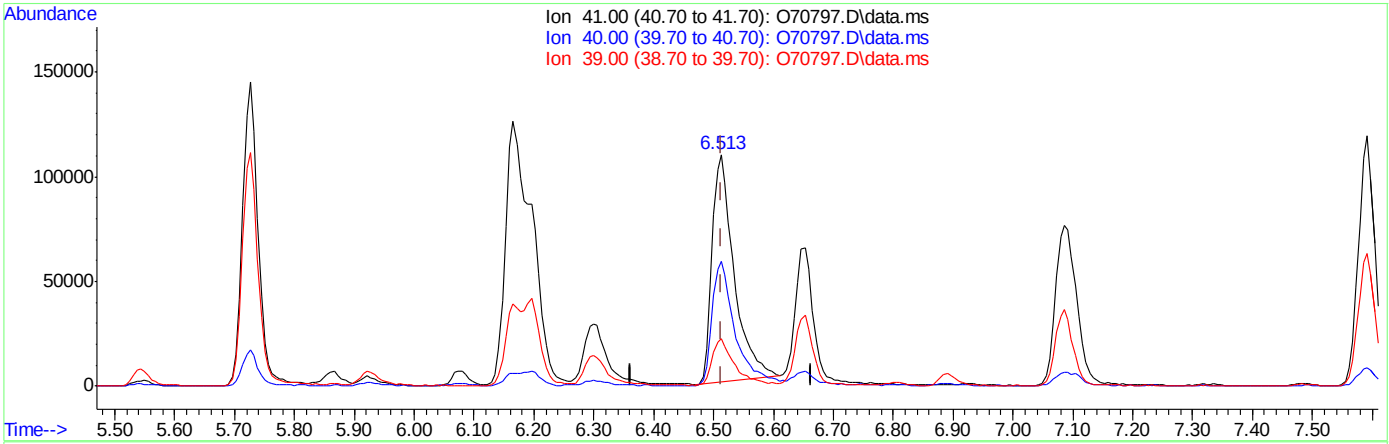
response 166581

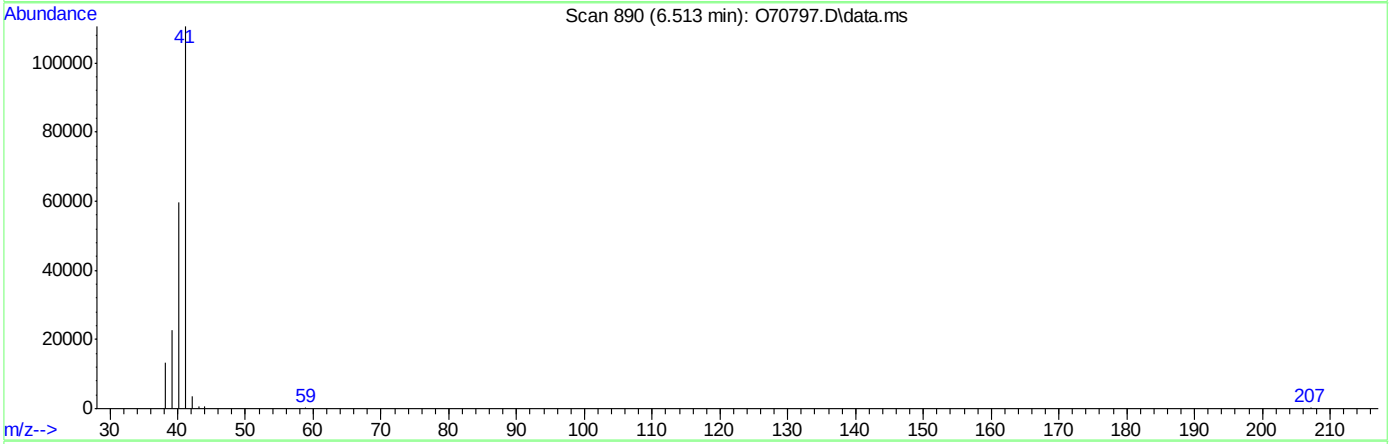
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	196.53
43.00	133.10	133.39
41.00	145.50	149.78

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 360.32ug/L

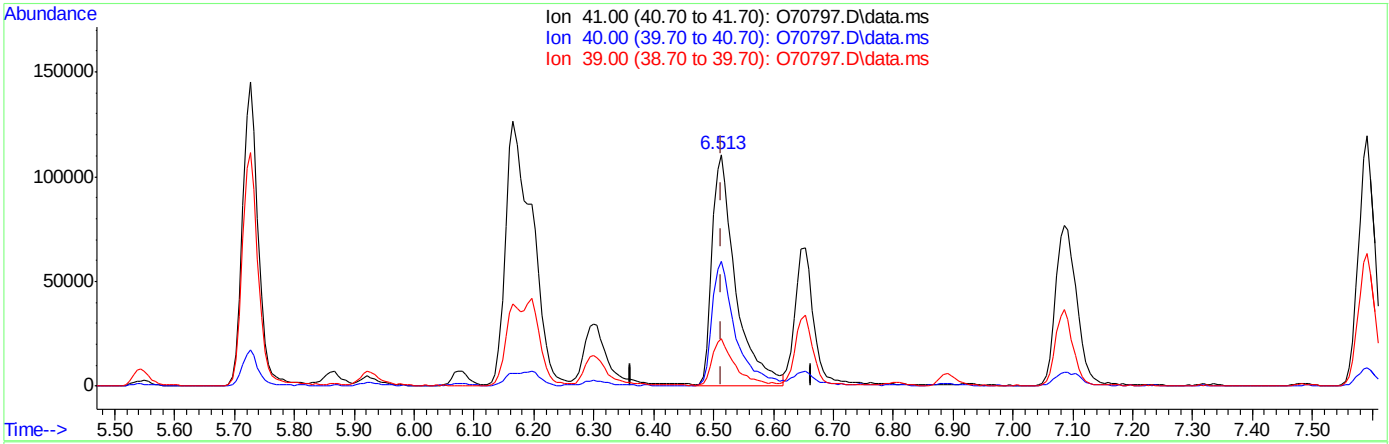
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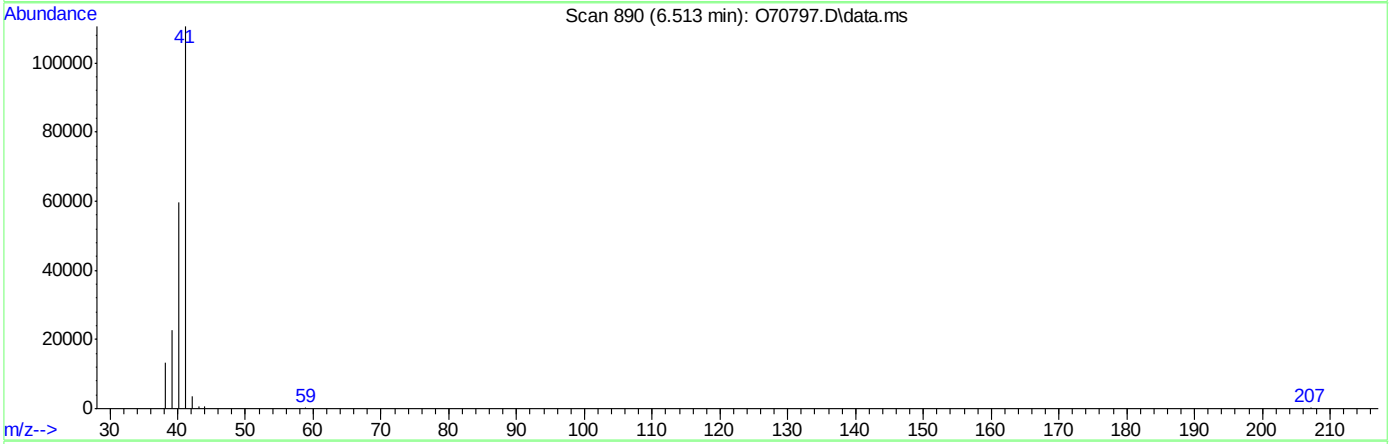
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.00
39.00	20.00	20.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 393.96ug/L m

response 302489

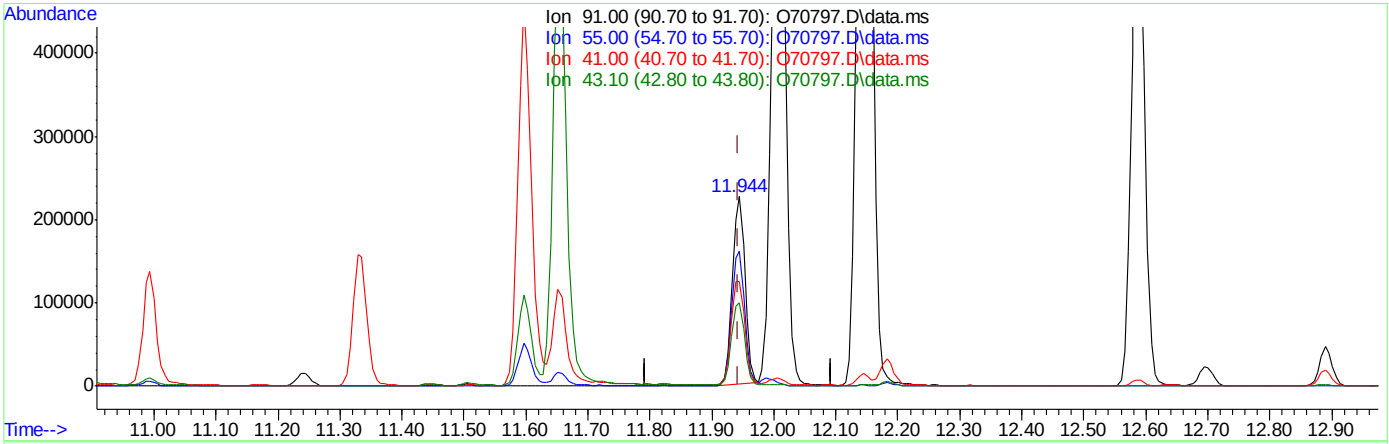
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	53.98
39.00	20.00	20.44
0.00	0.00	0.00

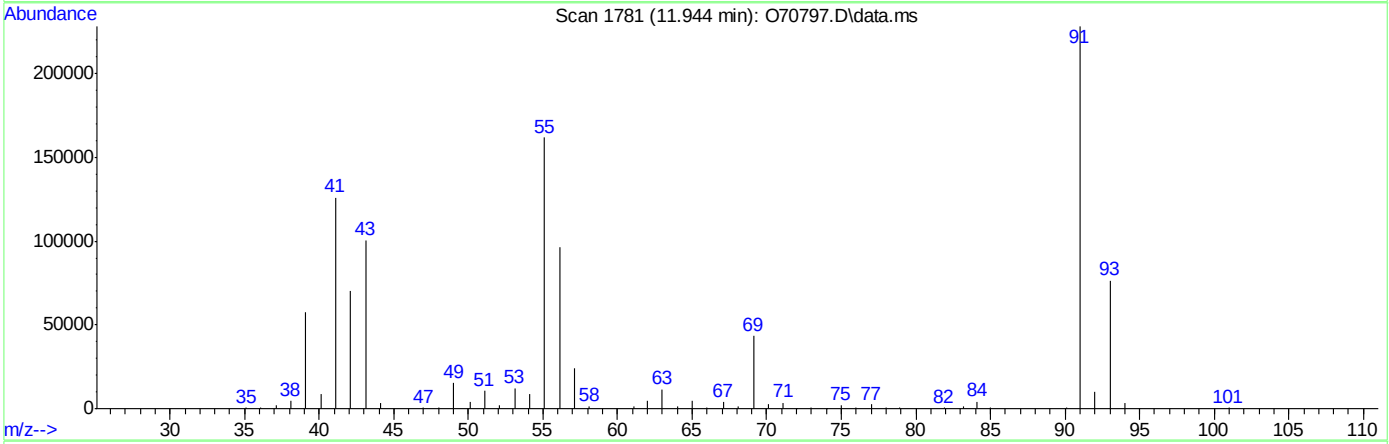
SGS FA98431

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 40.98ug/L

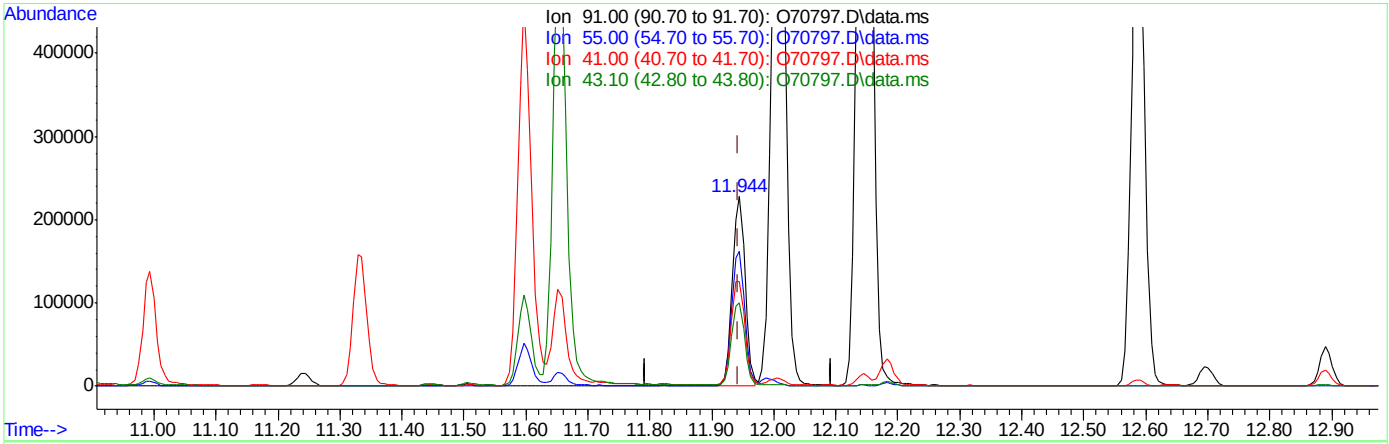
response 312670

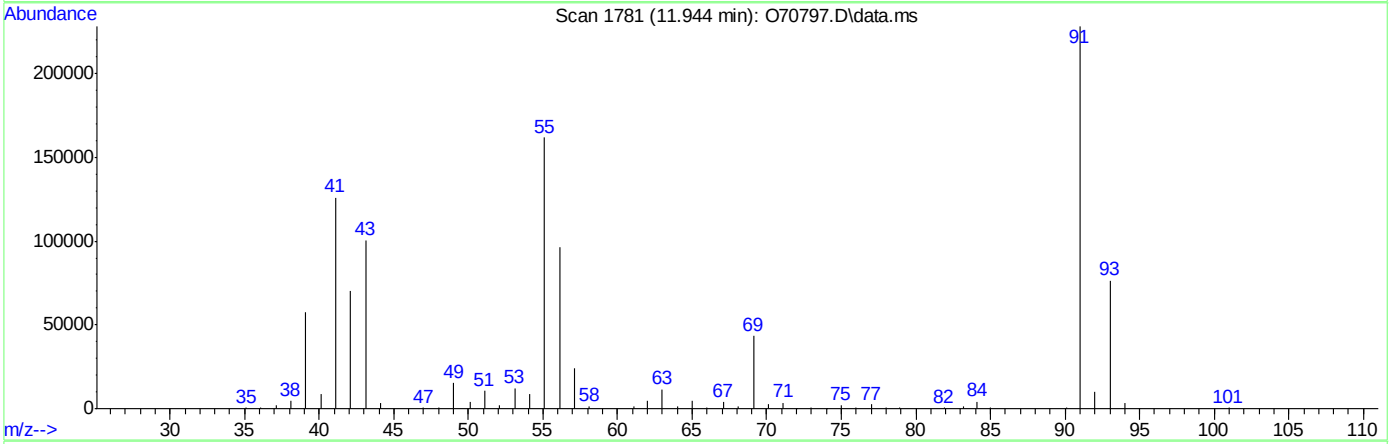
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.56
41.00	54.70	54.39
43.10	44.50	43.39

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-01\
Data File : O70797.D
Acq On : 1 Sep 2022 11:29 am
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2808,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:46:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70797.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 42.13ug/L m

response 321445

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.88
41.00	54.70	55.14
43.10	44.50	44.04

Manual Integrations APPROVED
(compounds with "m" flag)
Karen Watson
09/02/22 08:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:50:26 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1427208	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1199052	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	625730	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	403739	50.11	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.22%			
50) 1,2-Dichloroethane-d4	8.549	65	407272	49.14	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.28%			
63) Toluene-d8	10.426	98	1437385	47.82	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.64%			
86) 4-Bromofluorobenzene	13.206	174	491050	49.01	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	266101	52.32	ug/L	100
3) Chloromethane	3.202	50	249261	44.11	ug/L	98
4) 1,3-butadiene	3.379	39	194617	36.66	ug/L	100
5) Vinyl Chloride	3.348	62	285637	44.98	ug/L	99
6) Bromomethane	3.897	94	110366	34.90	ug/L	100
7) Chloroethane	4.104	64	187619	48.22	ug/L	97
8) Trichlorofluoromethane	4.330	101	407214	40.23	ug/L	99
9) Ethyl Ether	4.799	59	178730	39.69	ug/L	95
10) Ethanol	5.013	45	43421m	852.64	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.080	67	237659	40.84	ug/L	100
12) 1,1-Dichloroethene	5.086	61	331971	40.65	ug/L	98
13) Freon 113	5.141	101	236164	44.89	ug/L	97
14) Carbon Disulfide	5.129	76	603091	40.32	ug/L	100
15) Iodomethane	5.287	142	114195	33.75	ug/L	98
16) Acrolein	5.543	56	199233	181.02	ug/L	99
17) Allyl chloride	5.726	41	232217	34.37	ug/L	99
18) Methylene Chloride	5.866	49	338483	44.41	ug/L	99
19) Acetone	5.927	43	327047	198.65	ug/L	98
20) Methyl acetate	6.080	43	896894	211.34	ug/L	100
21) trans-1,2-Dichloroethene	6.074	61	326563	40.11	ug/L	98
22) Hexane	6.171	56	139876m	42.72	ug/L	
23) Methyl Tert Butyl Ether	6.195	73	573874	40.45	ug/L	97
24) Tert Butyl Alcohol	6.299	59	193649	372.28	ug/L	97
25) Acetonitrile	6.512	41	275422m	387.51	ug/L	
26) Di-isopropyl ether	6.653	45	684649	41.08	ug/L	99
27) Chloroprene	6.805	53	52959	35.84	ug/L	97
28) 1,1-Dichloroethane	6.836	63	407614	40.54	ug/L	98
29) Acrylonitrile	6.890	52	369985	205.13	ug/L	99
30) ETBE	7.086	59	665012	41.15	ug/L	99
31) Vinyl acetate	7.110	43	2274392	205.21	ug/L	99
32) cis-1,2-Dichloroethene	7.470	96	237615	41.07	ug/L	99
33) 2,2-Dichloropropane	7.592	77	259825	32.94	ug/L	98
34) Bromochloromethane	7.695	128	135360	42.06	ug/L	93
35) Cyclohexane	7.707	56	377474	42.90	ug/L	98
36) Chloroform	7.762	83	423896	39.80	ug/L	99
37) Ethyl acetate	7.872	43	1103777	203.49	ug/L	100
38) Tetrahydrofuran	7.957	42	67798	39.73	ug/L	94
40) Carbon Tetrachloride	7.933	117	329903	40.31	ug/L	99
41) 1,1,1-Trichloroethane	8.006	97	384521	40.82	ug/L	99
42) 2-Butanone	8.098	43	510578	188.77	ug/L	100
43) 1,1-Dichloropropene	8.140	75	309227	39.78	ug/L	99
44) tert-Butyl formate	8.244	59	722810	192.94	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:50:26 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	8.421	54	334543	375.19	ug/L		98
46)	Methacrylonitrile	8.445	41	1645147	398.11	ug/L		100
47)	Benzene	8.408	78	895865	39.85	ug/L		97
48)	TAME	8.494	73	567572	41.48	ug/L		98
49)	Isobutyl alcohol	8.567	43	143740	789.99	ug/L		95
51)	1,2-Dichloroethane	8.622	62	348629	39.99	ug/L		98
52)	Tert Amyl Alcohol	8.677	59	131990	377.97	ug/L		96
53)	Trichloroethene	9.018	95	253311	41.83	ug/L		98
54)	Methylcyclohexane	9.012	83	312705	43.53	ug/L		96
55)	Dibromomethane	9.463	93	151217	39.60	ug/L		93
56)	1,2-Dichloropropane	9.555	63	229638	41.07	ug/L		99
57)	Bromodichloromethane	9.603	83	285346	40.15	ug/L		99
58)	Methyl methacrylate	9.725	41	179925	38.60	ug/L		95
59)	1,4-Dioxane	9.805	88	40036	831.04	ug/L		98
60)	2-Chloroethyl vinyl ether	10.146	63	768061	201.05	ug/L		99
61)	cis-1,3-Dichloropropene	10.237	75	318163	39.95	ug/L		97
64)	Toluene	10.481	91	960013	37.13	ug/L		98
65)	2-Nitropropane	10.713	41	279629	181.74	ug/L		97
66)	4-Methyl-2-pentanone	10.829	43	1138612	186.43	ug/L		99
67)	trans-1,3-Dichloropropene	10.884	75	289290	38.86	ug/L		93
68)	Tetrachloroethene	10.884	166	313772	40.73	ug/L		97
69)	Ethyl methacrylate	10.993	69	264305	37.33	ug/L		97
70)	1,1,2-Trichloroethane	11.048	83	178607	38.24	ug/L		97
71)	Dibromochloromethane	11.243	129	250980	38.96	ug/L		99
72)	1,3-Dichloropropane	11.335	76	361589	37.38	ug/L		99
73)	1,2-Dibromoethane	11.505	107	229984	38.39	ug/L		95
74)	3,3-dimethyl-1-butanol	11.597	57	808968	1903.12	ug/L		99
75)	2-hexanone	11.652	43	783787	190.28	ug/L		99
76)	1-Chlorohexane	11.944	91	281866m	39.82	ug/L		
77)	Ethylbenzene	12.005	91	1113721	37.56	ug/L		99
78)	Chlorobenzene	12.011	112	672101	38.07	ug/L		99
79)	1,1,1,2-Tetrachloroethane	12.060	131	238004	38.92	ug/L		99
80)	m,p-Xylene	12.146	91	1705918	76.23	ug/L		98
81)	o-Xylene	12.591	91	815601	37.71	ug/L		96
82)	Styrene	12.639	104	616814	40.70	ug/L		98
83)	Bromoform	12.700	173	146863	37.96	ug/L		97
84)	Isopropylbenzene	12.889	105	1013753	38.52	ug/L		99
87)	cis-1,4-Dichloro-2-butene	13.249	53	68212	31.76	ug/L		89
88)	n-Propylbenzene	13.310	91	1156318	37.24	ug/L		98
89)	Bromobenzene	13.334	156	296233	37.49	ug/L		99
90)	1,1,2,2-Tetrachloroethane	13.377	83	290961	37.43	ug/L		99
91)	1,3,5-Trimethylbenzene	13.493	105	849488	38.33	ug/L		99
92)	2-Chlorotoluene	13.670	91	714487	37.20	ug/L		99
93)	trans-1,4-Dichloro-2-B...	13.566	53	65068	32.80	ug/L	#	75
94)	1,2,3-Trichloropropane	13.542	110	94456	38.03	ug/L		98
95)	Cyclohexanone	13.621	55	33499	181.79	ug/L		96
96)	4-Chlorotoluene	13.670	91	714487	37.20	ug/L		100
97)	tert-Butylbenzene	13.834	91	440581	37.04	ug/L		98
99)	1,2,4-Trimethylbenzene	13.901	105	822471	38.31	ug/L		99
100)	Pentachloroethane	13.889	167	132819	32.34	ug/L		93
101)	sec-Butylbenzene	14.017	105	893777	37.66	ug/L		99
102)	4-Isopropyltoluene	14.151	119	795657	38.26	ug/L		99
103)	1,3-Dichlorobenzene	14.285	146	505698	36.79	ug/L		99
104)	1,2,3-Trimethylbenzene	14.358	105	851057	37.39	ug/L		100
105)	1,4-Dichlorobenzene	14.371	146	547049	38.65	ug/L		99
106)	n-Butylbenzene	14.578	92	373380	36.18	ug/L		99
107)	Benzyl Chloride	14.602	126	62129	26.99	ug/L		99
108)	1,2-Dichlorobenzene	14.791	146	492926	37.69	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:50:26 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

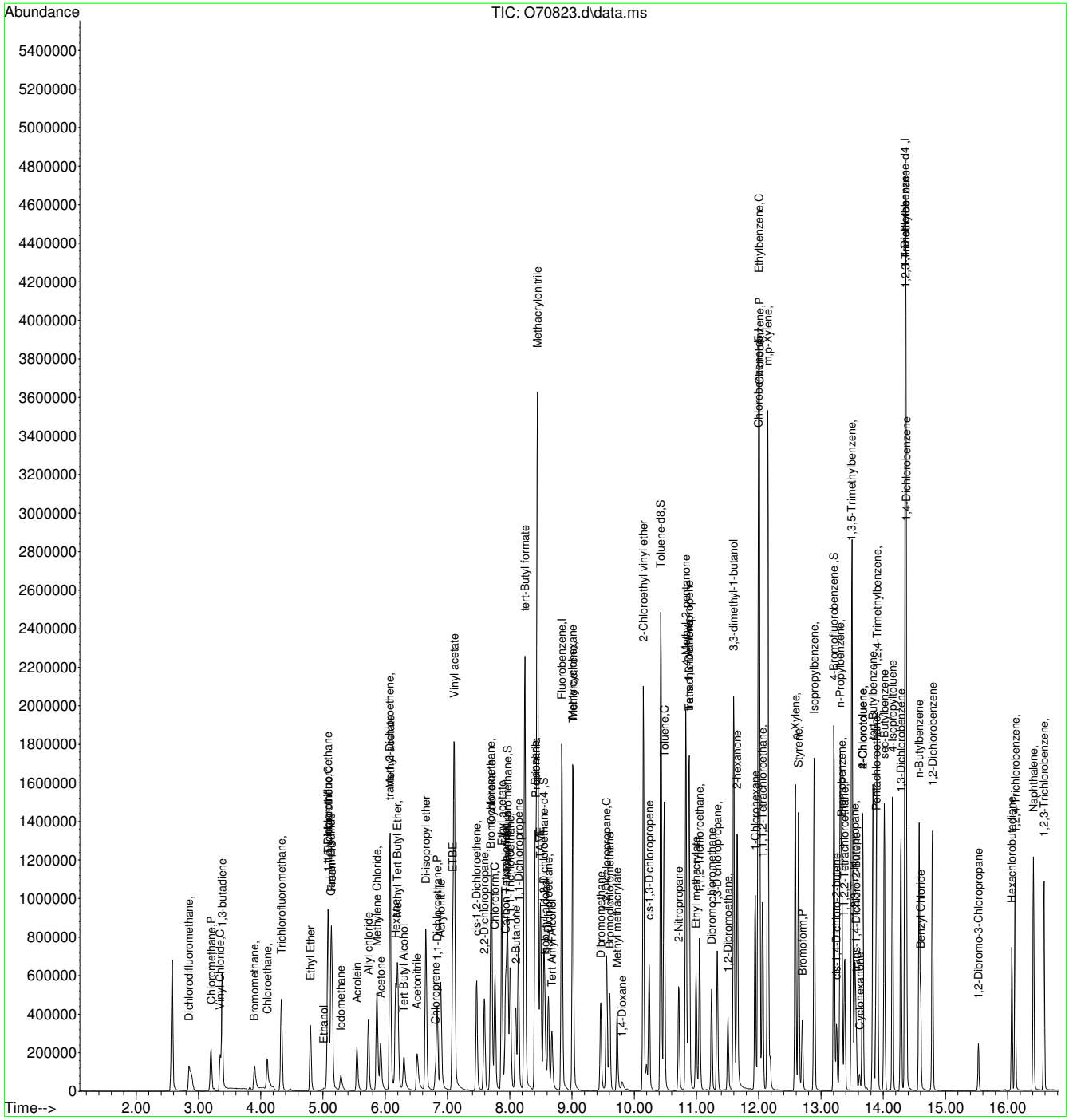
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	15.529	75	42156	34.28	ug/L	95
110) Hexachlorobutadiene	16.065	225	108022	36.34	ug/L	98
111) 1,2,4-Trichlorobenzene	16.120	180	283676	35.98	ug/L	97
112) Naphthalene	16.413	128	759803	37.02	ug/L	98
113) 1,2,3-Trichlorobenzene	16.584	180	284182	36.59	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:50:26 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

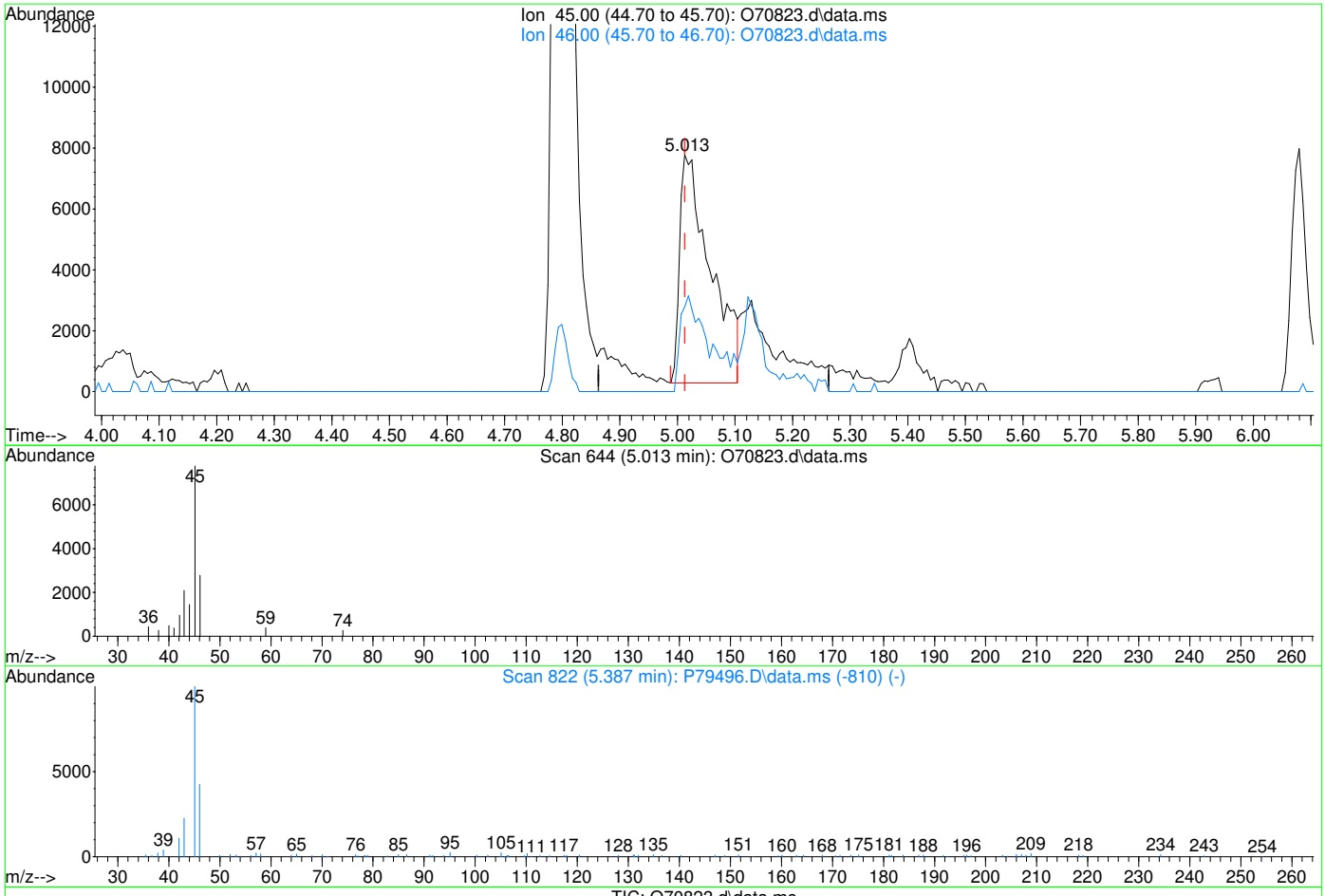
Sample Number: VO2808-ECC2796 **Method:** SW846 8260D
Lab FileID: O70823.D **Analyst approved:** 09/02/22 08:09 Jo-Ann Lugo De Jesus
Injection Time: 09/01/22 22:18 **Supervisor approved:** 09/02/22 08:58 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:32:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



TIC: O70823.d\data.ms

(10) Ethanol

5.013min (-0.000) 554.54ug/L

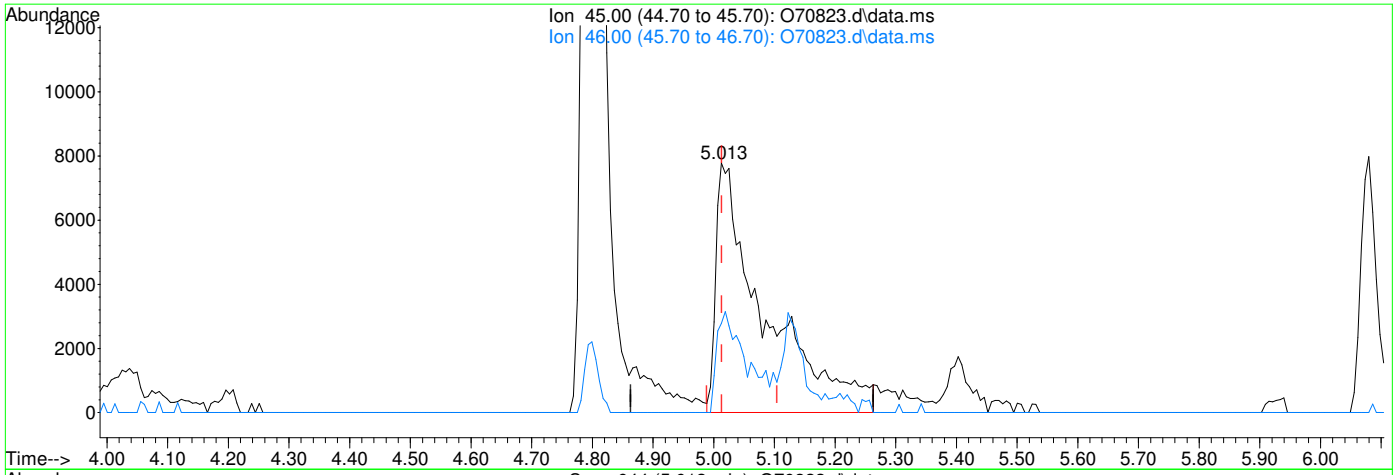
response 27856

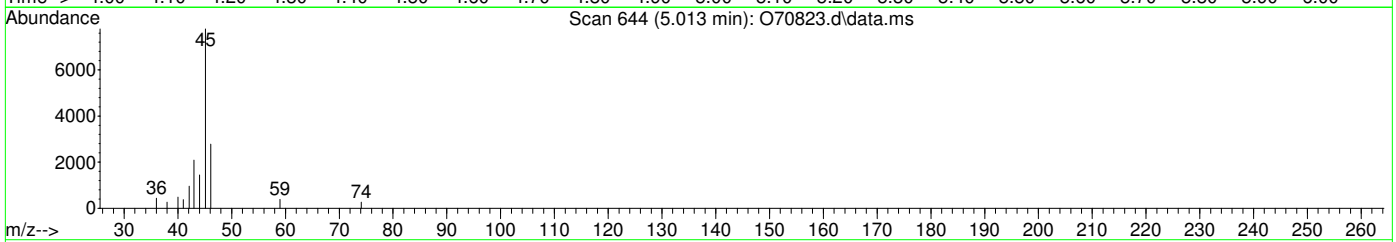
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	37.12
0.00	0.00	0.00
0.00	0.00	0.00

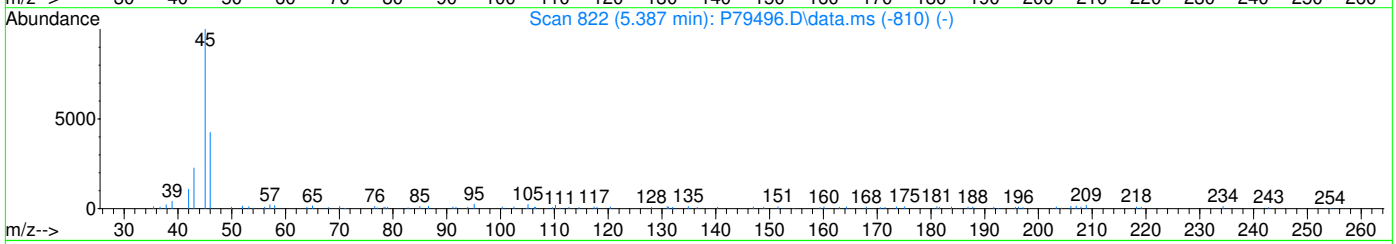
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:32:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70823.d\data.ms

(10) Ethanol

5.013min (-0.000) 852.64ug/L m

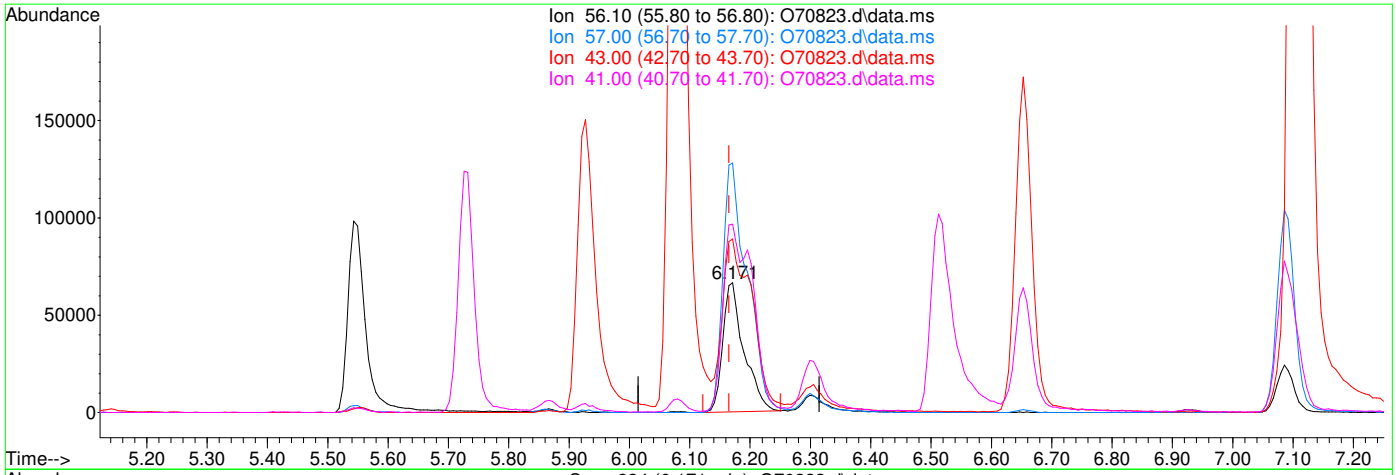
response 43421

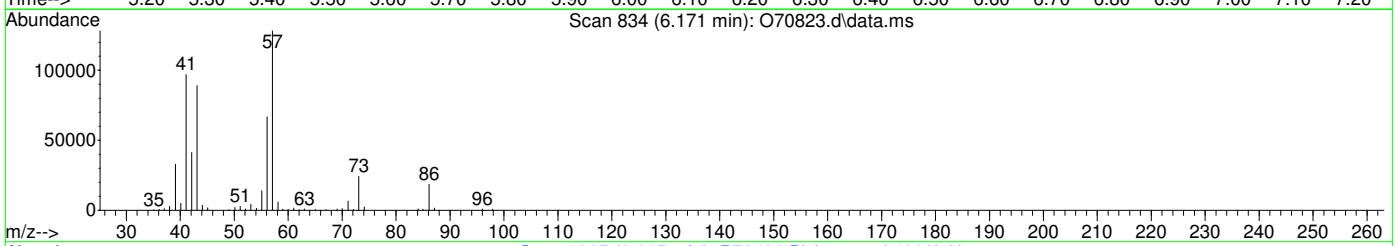
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	35.74
0.00	0.00	0.00
0.00	0.00	0.00

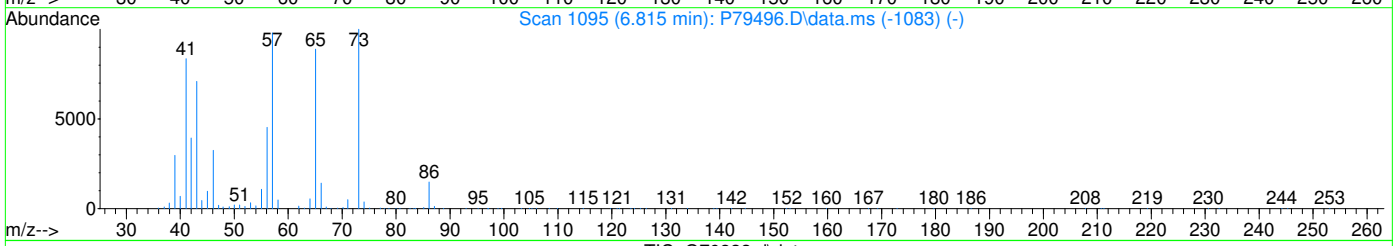
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:32:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70823.d\data.ms

(22) Hexane

6.171min (+0.006) 49.12ug/L

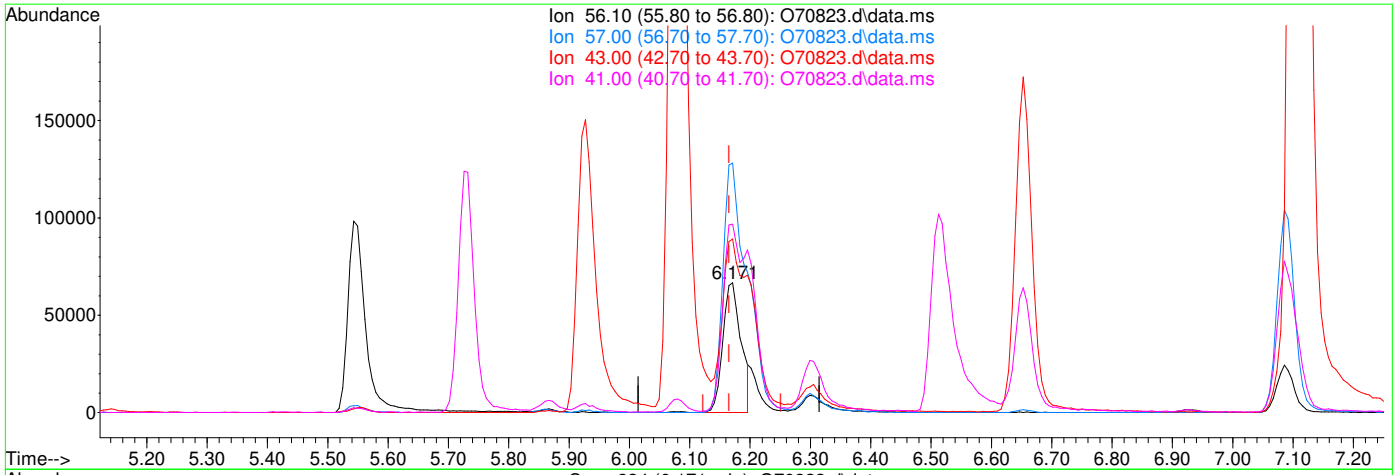
response 162065

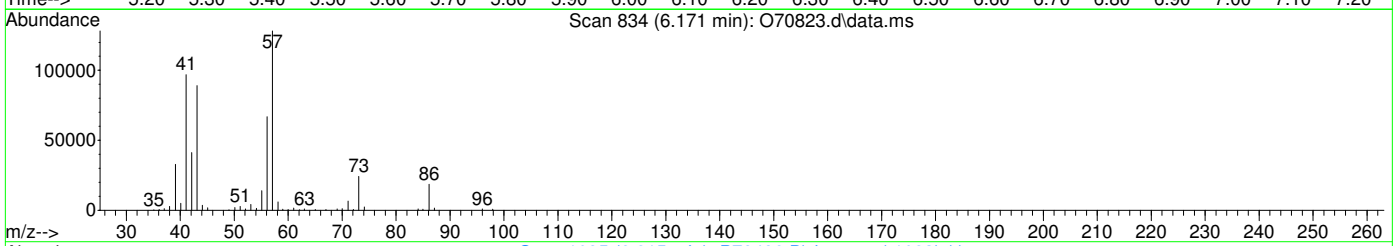
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	192.15
43.00	133.10	126.29
41.00	145.50	143.90

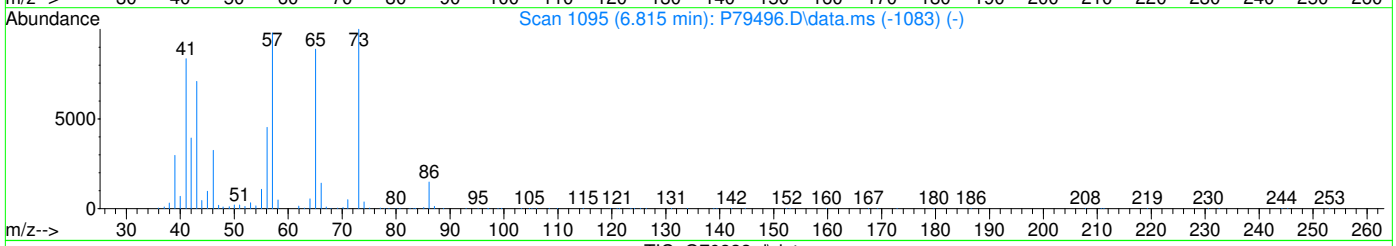
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:32:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70823.d\data.ms

(22) Hexane

6.171min (+0.006) 42.72ug/L m

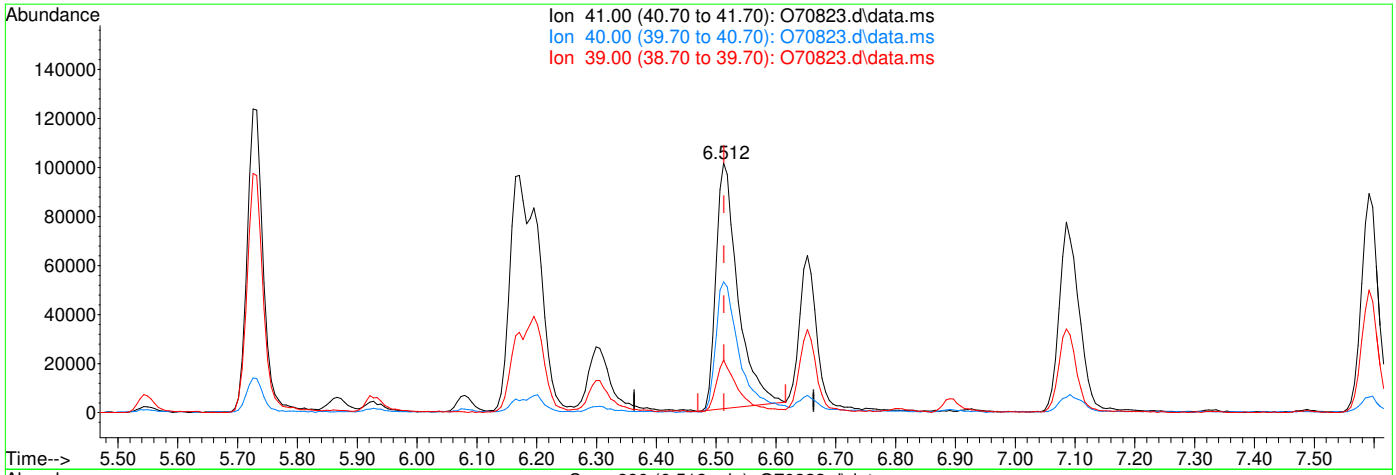
response 139876

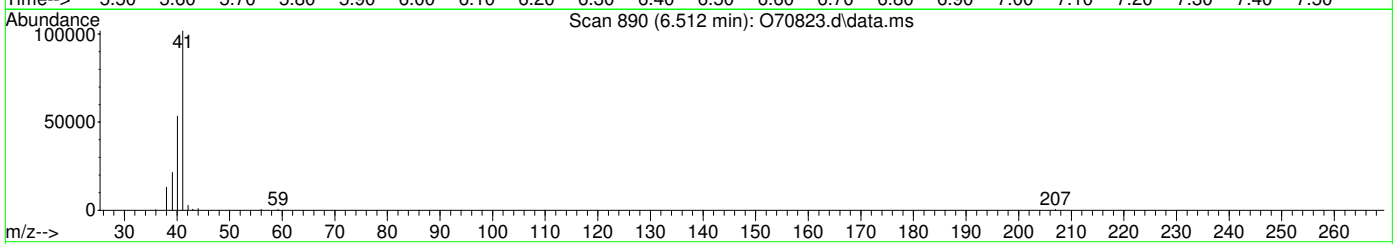
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	192.15
43.00	133.10	133.52
41.00	145.50	145.13

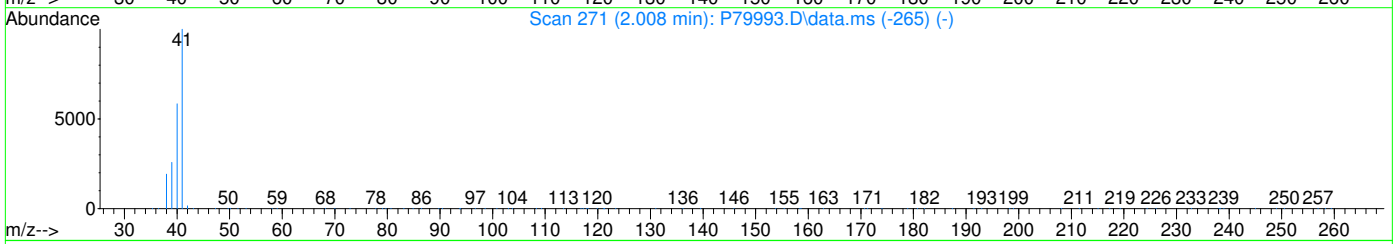
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:32:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70823.d\data.ms

(25) Acetonitrile

6.512min (-0.001) 357.50ug/L

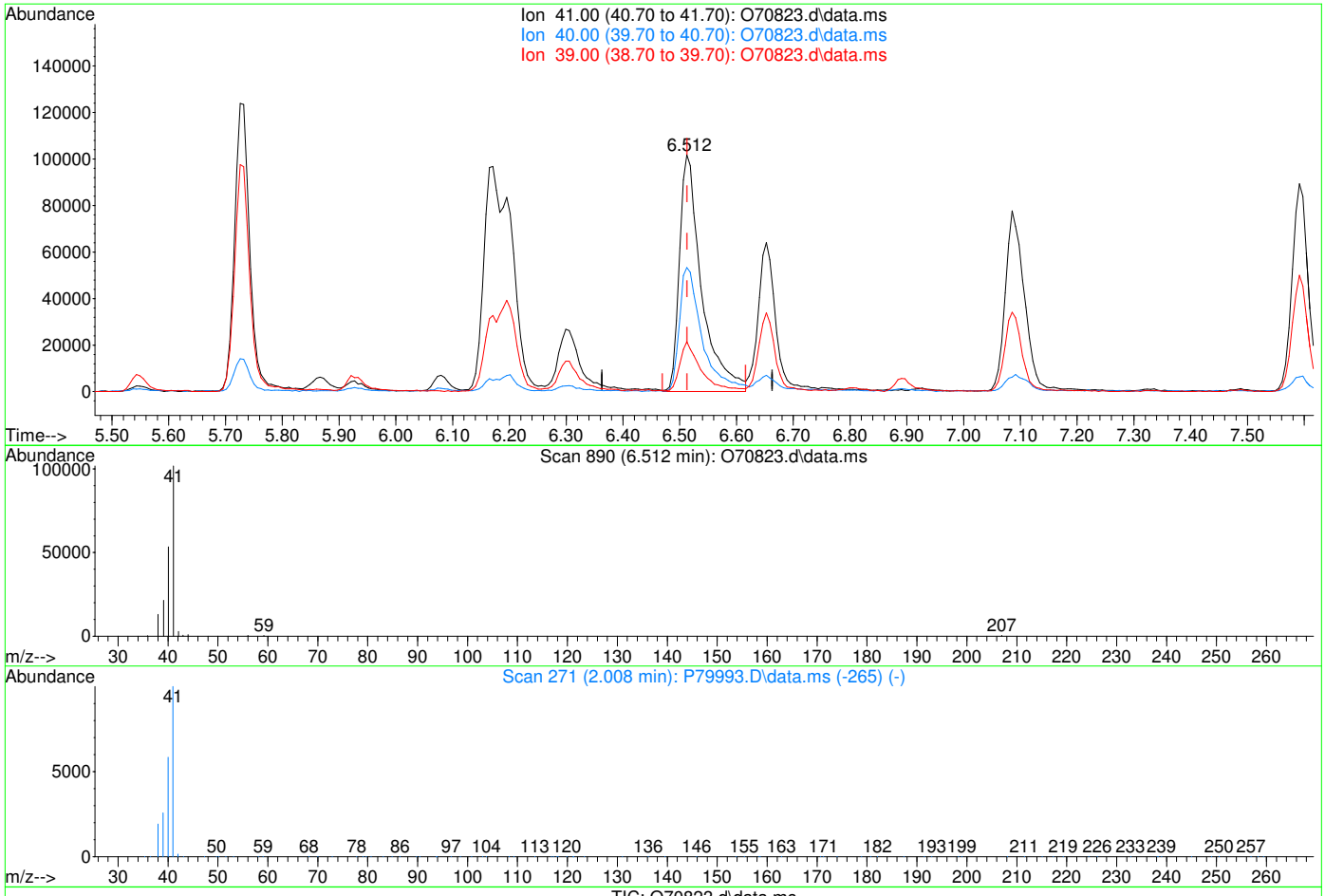
response 254032

Ion	Exp%	Act%
41.00	100	100
40.00	53.20	52.35
39.00	20.00	20.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:32:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



TIC: O70823.d\data.ms

(25) Acetonitrile

6.512min (-0.001) 387.51ug/L m

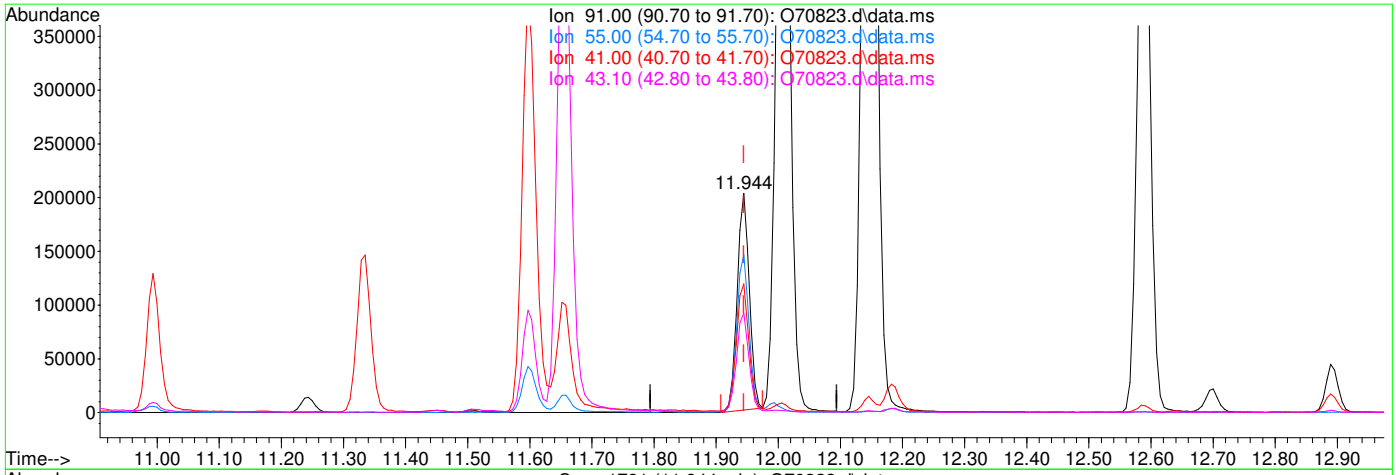
response 275422

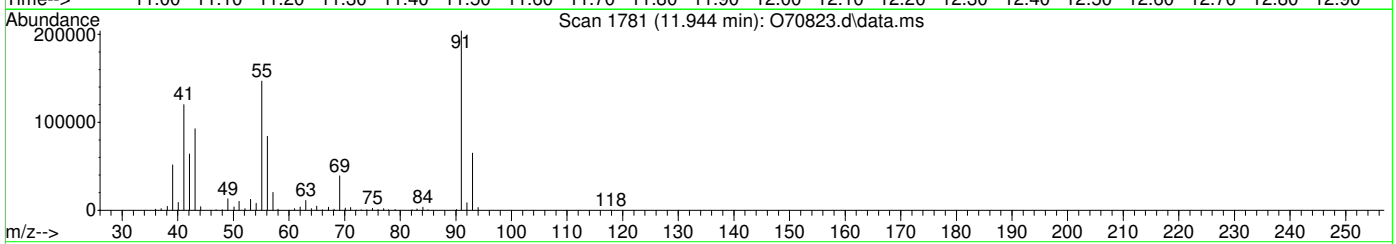
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	52.39
39.00	20.00	21.09
0.00	0.00	0.00

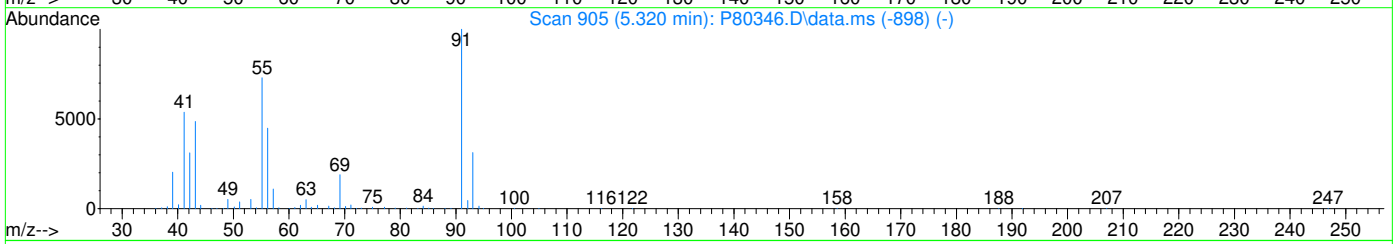
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:32:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70823.d\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 38.62ug/L

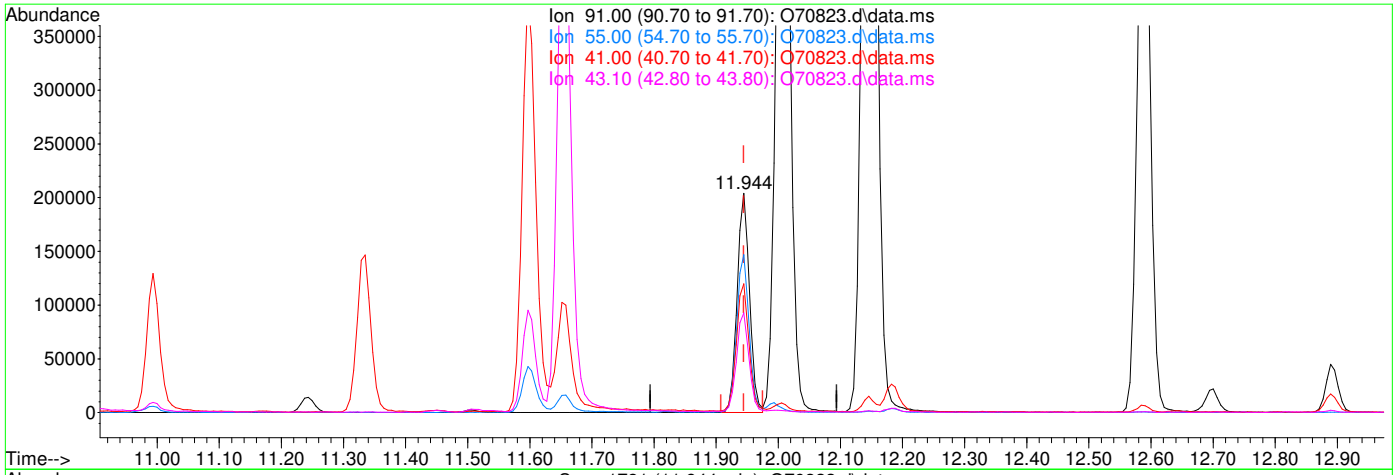
response 273378

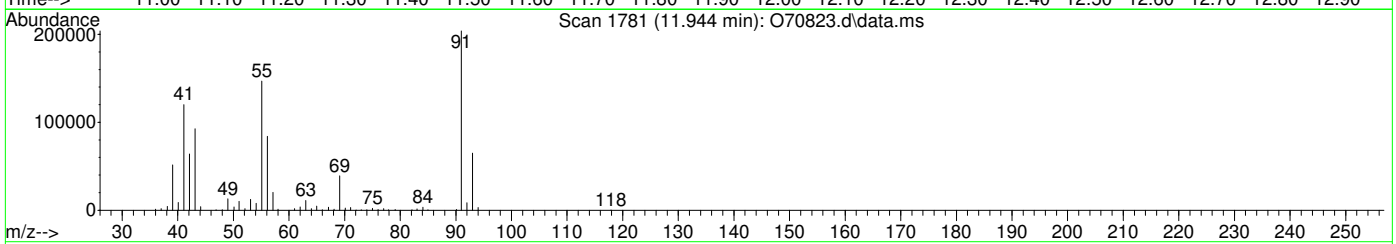
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	71.67
41.00	54.70	57.92
43.10	44.50	44.78

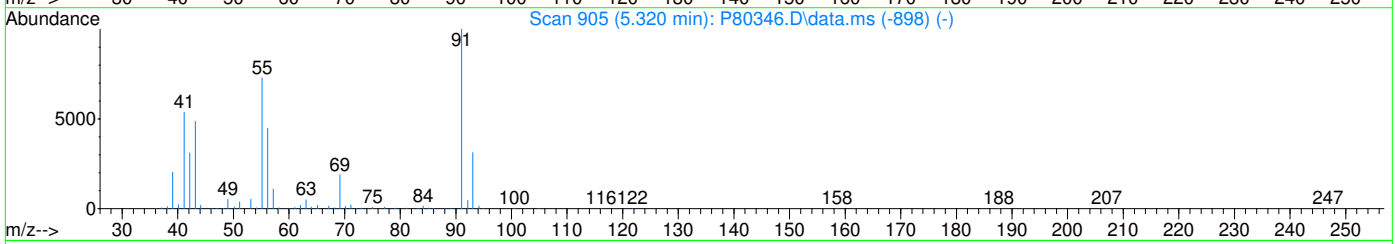
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vo2808\
Data File : O70823.d
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2796-5
Misc : MS52309,VO2808,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 01:32:55 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70823.d\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 39.82ug/L m

response 281866

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	72.02
41.00	54.70	58.78
43.10	44.50	45.41

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:45:07 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	9.497	96	675482	50.00	ug/L		0.00
62) Chlorobenzene-d5	12.150	117	548327	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	262346	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.603	113	144495	47.33	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.66%				
49) 1,2-Dichloroethane-d4	9.205	65	181738	47.92	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.84%				
63) Toluene-d8	10.933	98	675098	48.48	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.96%				
86) 4-Bromofluorobenzene	13.008	174	201243	50.09	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.18%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.848	85	3808	1.35	ug/L		94
3) Acrolein	5.598	56	2593	2.40	ug/L		73
4) Chloromethane	3.171	50	4503	1.05	ug/L		87
5) 1,3-butadiene	3.341	39	3276	0.88	ug/L		100
6) Vinyl Chloride	3.304	62	5272	1.27	ug/L		94
8) Chloroethane	4.034	64	3032	2.68	ug/L		99
9) Trichlorofluoromethane	4.259	101	4770	1.02	ug/L		100
10) Ethyl Ether	4.746	59	2901	1.01	ug/L	#	84
12) 1,2-Dichlorotrifluoroe...	5.032	67	3334	1.16	ug/L	#	76
13) 1,1-Dichloroethene	5.056	61	4453	1.04	ug/L		95
14) Freon 113	5.111	101	3041	1.08	ug/L	#	83
15) Carbon Disulfide	5.111	76	8476	1.01	ug/L		93
17) Allyl chloride	5.799	41	2824	0.60	ug/L		89
18) Methylene Chloride	5.963	49	30449	6.19	ug/L		97
19) Acetone	6.060	43	14197	6.23	ug/L		91
20) Methyl acetate	6.249	43	17365	3.95	ug/L		91
21) trans-1,2-Dichloroethene	6.231	61	4208	0.96	ug/L		89
22) Hexane	6.334	56	1746m	0.62	ug/L		
23) Methyl Tert Butyl Ether	6.389	73	11726	1.37	ug/L		73
24) Tert Butyl Alcohol	6.529	59	8844	6.05	ug/L		92
25) Acetonitrile	6.821	41	4950	5.47	ug/L	#	71
26) Di-isopropyl ether	6.991	45	11043	1.03	ug/L		96
27) Chloroprene	7.338	53	3130	0.67	ug/L	#	50
28) 1,1-Dichloroethane	7.210	63	5663	1.01	ug/L		83
29) Acrylonitrile	7.338	53	3130	1.47	ug/L		91
30) ETBE	7.587	59	11130	1.10	ug/L		81
31) Vinyl acetate	7.630	43	19205m	2.25	ug/L		
32) cis-1,2-Dichloroethene	8.043	96	3906	1.13	ug/L	#	76
33) 2,2-Dichloropropane	8.171	77	4358	0.98	ug/L		79
34) Bromochloromethane	8.305	128	1981	1.26	ug/L	#	57
35) Cyclohexane	8.293	56	5800	0.91	ug/L	#	85
36) Chloroform	8.384	83	5771	1.16	ug/L		89
37) Ethyl acetate	8.530	43	23951	3.71	ug/L		96
38) Tetrahydrofuran	8.597	42	3476	1.30	ug/L	#	77
40) Carbon Tetrachloride	8.554	117	3235	0.85	ug/L		82
41) 1,1,1-Trichloroethane	8.633	97	4842	1.07	ug/L		76
42) 2-Butanone	8.761	43	21178	5.73	ug/L		92
43) 1,1-Dichloropropene	8.792	75	4057	0.96	ug/L		84
44) tert-Butyl formate	8.901	59	14184	5.21	ug/L	#	84
45) Propionitrile	9.096	54	7519	6.29	ug/L		93
46) Methacrylonitrile	9.108	41	26536	6.85	ug/L		97
47) Benzene	9.065	78	14820	1.12	ug/L		94
48) TAME	9.175	73	11585	1.36	ug/L		85
50) Isobutyl Alcohol	9.284	42	2735	8.51	ug/L		89
51) 1,2-Dichloroethane	9.284	62	4734	1.07	ug/L		85
52) Tert Amyl Alcohol	9.382	59	6675m	7.75	ug/L		
53) Trichloroethene	9.686	95	3374	1.04	ug/L		79
54) Methylcyclohexane	9.668	83	5141	0.87	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:45:07 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

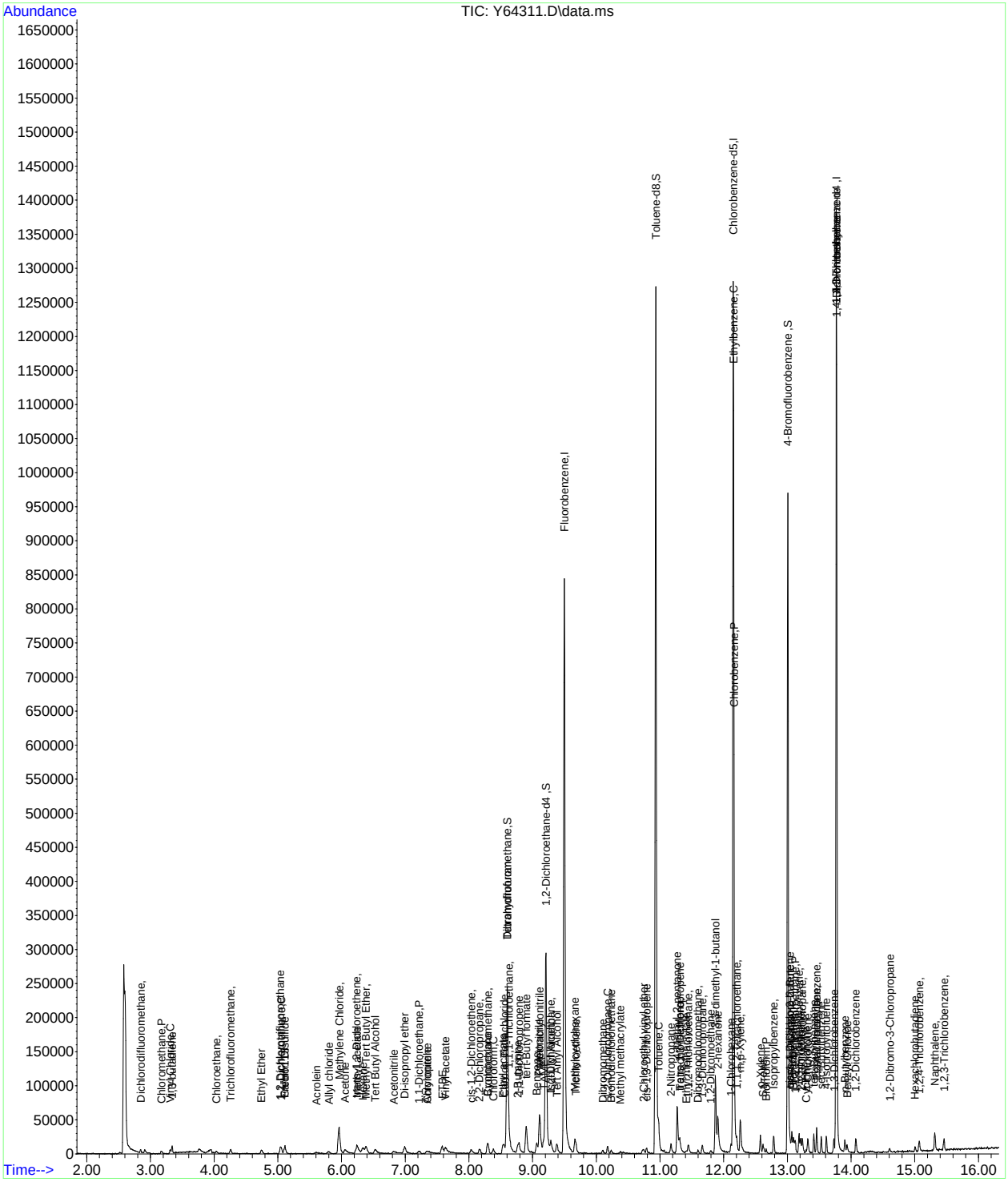
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
55) Dibromomethane	10.106	93	1951	1.03	ug/L		85
56) 1,2-Dichloropropane	10.179	63	3489	1.00	ug/L		93
57) Bromodichloromethane	10.233	83	3204	0.89	ug/L		100
58) Methyl methacrylate	10.373	41	1277	0.30	ug/L		92
60) 2-Chloroethyl vinyl ether	10.744	63	3591	6.57	ug/L		80
61) cis-1,3-Dichloropropene	10.793	75	3400	0.71	ug/L		90
64) Toluene	10.982	91	17188	1.12	ug/L		87
65) 2-Nitropropane	11.176	41	6920	3.64	ug/L	#	73
66) 4-Methyl-2-pentanone	11.268	43	47077	6.32	ug/L		94
67) trans-1,3-Dichloropropene	11.316	75	2704	0.60	ug/L		79
68) Tetrachloroethene	11.310	166	3669	0.95	ug/L		77
69) Ethyl methacrylate	11.414	69	2174	0.42	ug/L		83
70) 1,1,2-Trichloroethane	11.444	83	3062	1.21	ug/L		91
71) Dibromochloromethane	11.596	129	2704	0.83	ug/L		91
72) 1,3-Dichloropropane	11.669	76	6781	1.21	ug/L		85
73) 1,2-Dibromoethane	11.797	107	3607	1.08	ug/L	#	60
74) 3,3-dimethyl-1-butanol	11.870	57	43022	28.07	ug/L		98
75) 2-hexanone	11.906	43	32337	5.89	ug/L		89
76) 1-Chlorohexane	12.119	91	3767	0.75	ug/L	#	73
77) Ethylbenzene	12.162	91	16962	0.95	ug/L		86
78) Chlorobenzene	12.168	112	10338	1.05	ug/L		90
79) 1,1,1,2-Tetrachloroethane	12.204	131	2974	0.87	ug/L		85
80) m,p-Xylene	12.259	91	25273	1.85	ug/L		95
81) o-Xylene	12.576	91	11904	0.89	ug/L		99
82) Styrene	12.618	104	7299	0.72	ug/L		93
83) Bromoform	12.667	173	1570	0.69	ug/L		86
84) Isopropylbenzene	12.782	105	15020	0.91	ug/L		94
87) cis-1,4-Dichloro-2-butene	13.044	53	1173	0.62	ug/L	#	22
88) n-Propylbenzene	13.068	91	18157	0.97	ug/L		94
89) Bromobenzene	13.099	156	4245	1.18	ug/L		88
90) 1,1,2,2-Tetrachloroethane	13.123	83	5817	1.17	ug/L		91
91) 1,3,5-Trimethylbenzene	13.178	105	11799	0.91	ug/L		85
92) 2-Chlorotoluene	13.208	91	12923	1.05	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.044	53	1173	0.69	ug/L		88
94) 1,2,3-Trichloropropane	13.233	110	2503	1.48	ug/L		90
95) Cyclohexanone	13.293	55	1441m	2.94	ug/L		
96) 4-Chlorotoluene	13.324	91	11205	1.02	ug/L		100
97) tert-Butylbenzene	13.415	91	7069	0.97	ug/L		97
98) 1,2,4-Trimethylbenzene	13.458	105	12361	0.97	ug/L		94
99) Pentachloroethane	13.464	167	1311	0.64	ug/L	#	91
100) sec-Butylbenzene	13.531	105	13001	0.82	ug/L		97
101) 4-Isopropyltoluene	13.610	119	11228	0.81	ug/L		95
102) 1,3-Dichlorobenzene	13.731	146	7419	1.09	ug/L		85
103) 1,2,3-Trimethylbenzene	13.762	105	12576	0.99	ug/L	#	65
104) 1,4-Dichlorobenzene	13.780	146	8556m	1.19	ug/L		
105) n-Butylbenzene	13.902	92	6372	0.94	ug/L		98
106) Benzyl Chloride	13.938	126	1145m	0.53	ug/L		
107) 1,2-Dichlorobenzene	14.072	146	6788	1.02	ug/L		98
108) 1,2-Dibromo-3-Chloropr...	14.607	75	1282m	0.94	ug/L		
109) Hexachlorobutadiene	15.003	225	923m	0.59	ug/L		
110) 1,2,4-Trichlorobenzene	15.076	180	4608	1.05	ug/L		83
111) Naphthalene	15.313	128	19485	1.04	ug/L		85
112) 1,2,3-Trichlorobenzene	15.459	180	4942	1.14	ug/L		86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:45:07 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

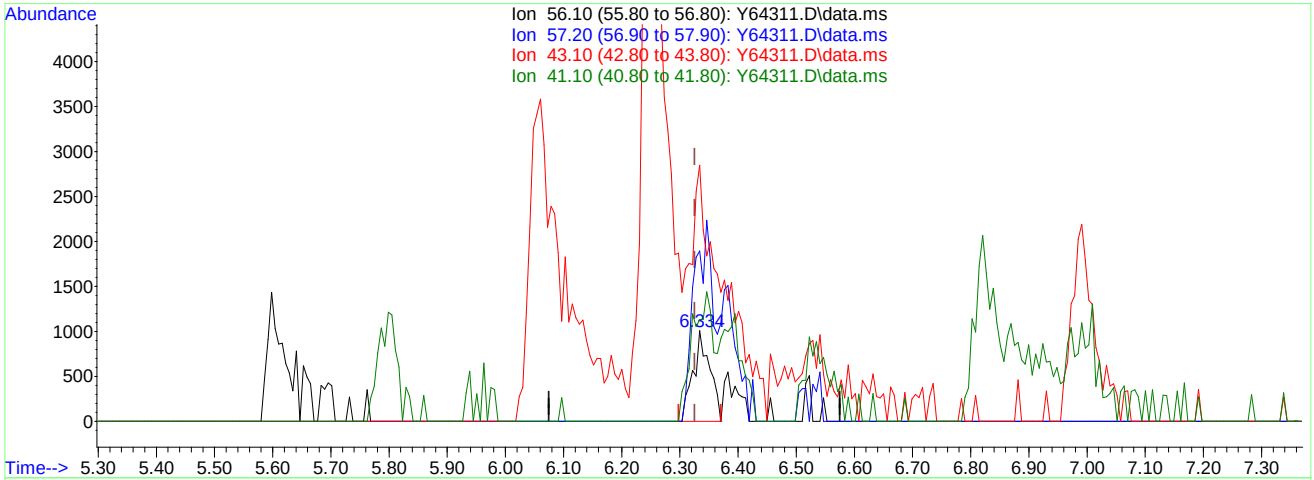
Sample Number: VY2666-IC2666
Lab FileID: Y64311.D
Injection Time: 08/29/22 13:05
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

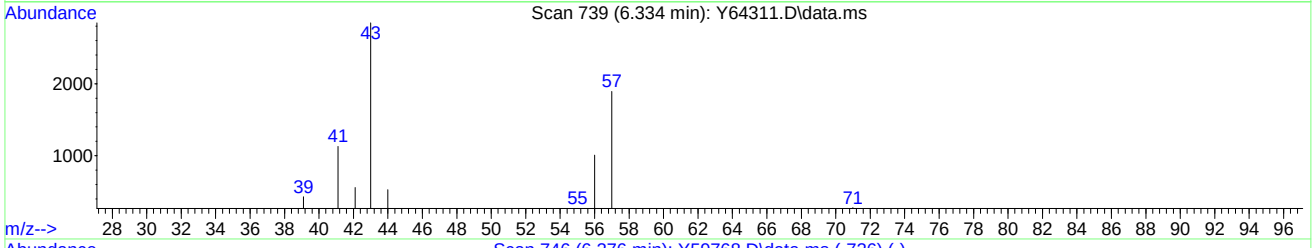
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Vinyl Acetate	108-05-4		7.63	Missed peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
Cyclohexanone	108-94-1		13.29	Poor instrument integration
1,4-Dichlorobenzene	106-46-7		13.78	Missed peak
Benzyl Chloride	100-44-7		13.94	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		14.61	Missed peak
Hexachlorobutadiene	87-68-3		15.00	Missed peak

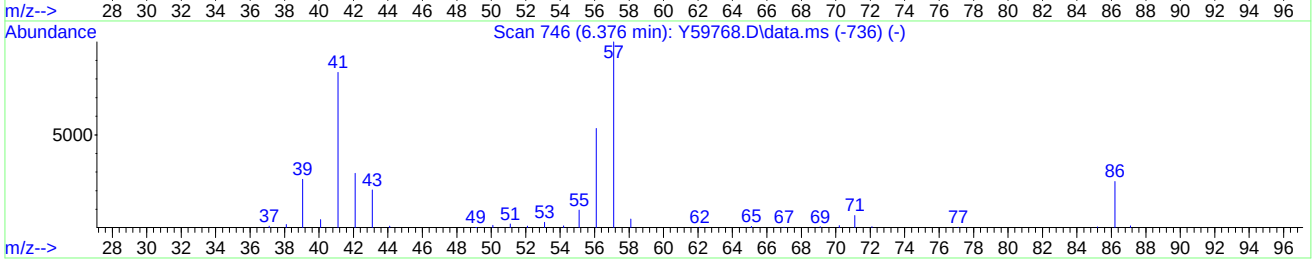
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:33:46 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(22) Hexane

6.334min (+0.009) 0.72ug/L

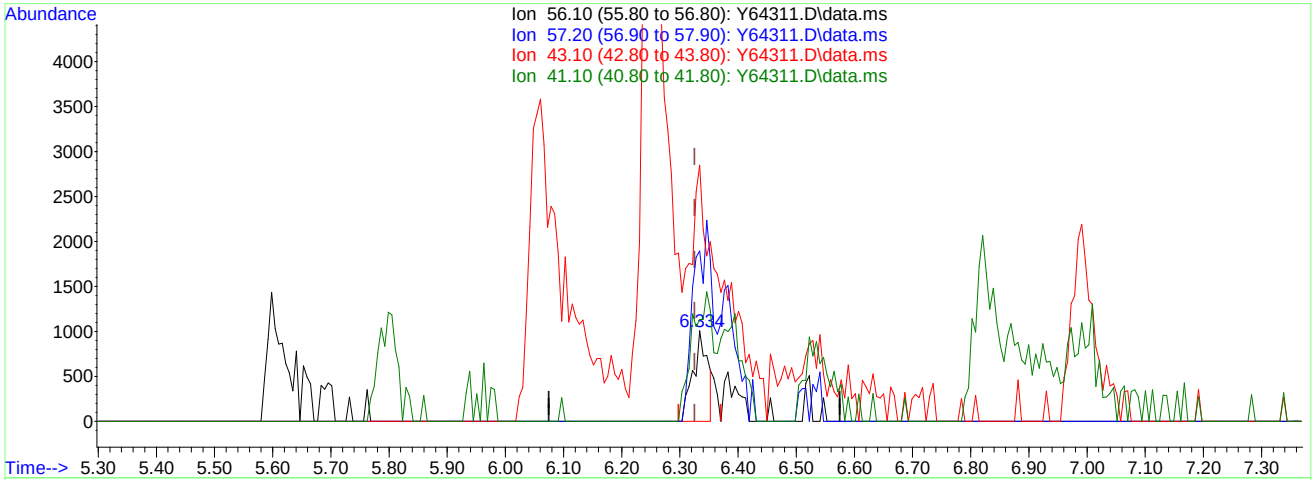
response 2030

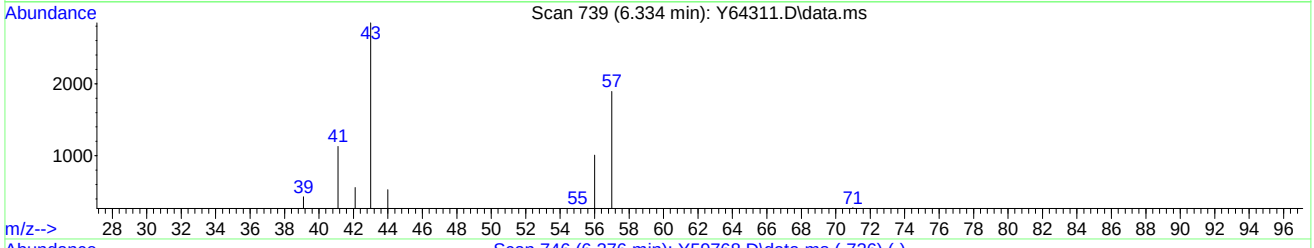
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	187.90
43.10	76.70	140.18#
41.10	144.30	112.20#

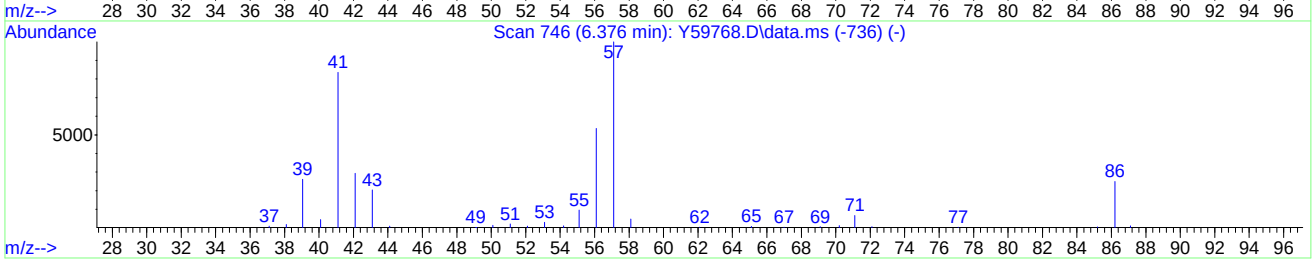
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:33:46 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(22) Hexane

6.334min (+0.009) 0.62ug/L m

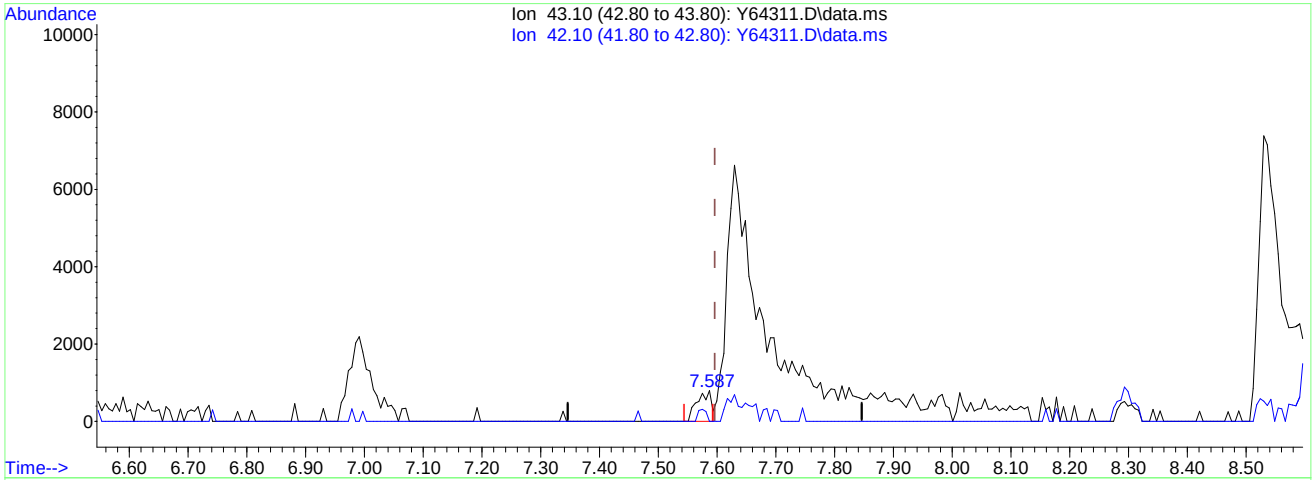
response 1746

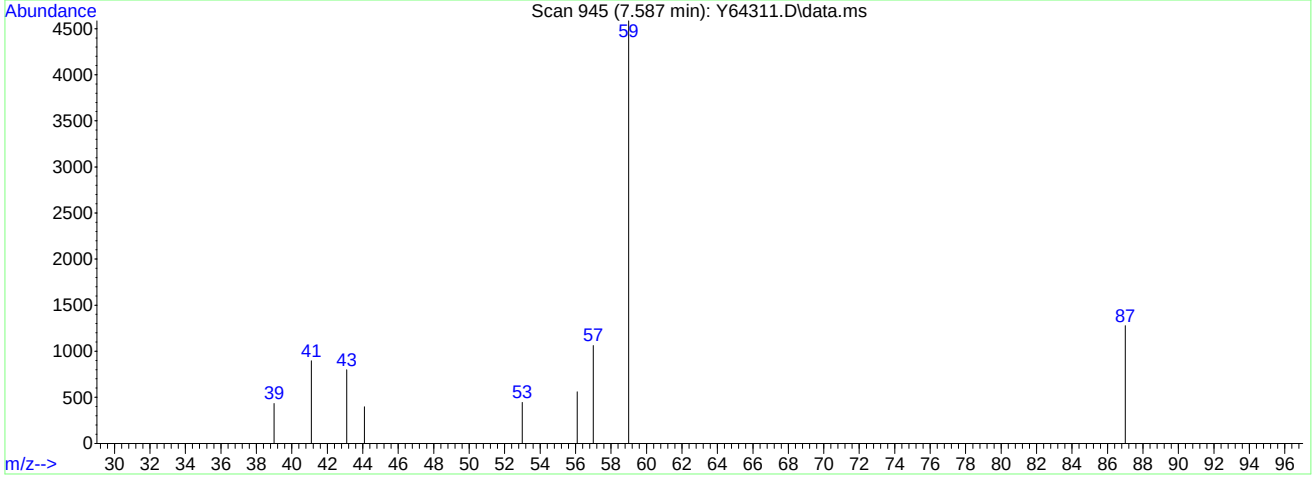
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	187.90
43.10	76.70	282.44#
41.10	144.30	112.20#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:38:06 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(31) Vinyl acetate

7.587min (-0.009) 0.16ug/L

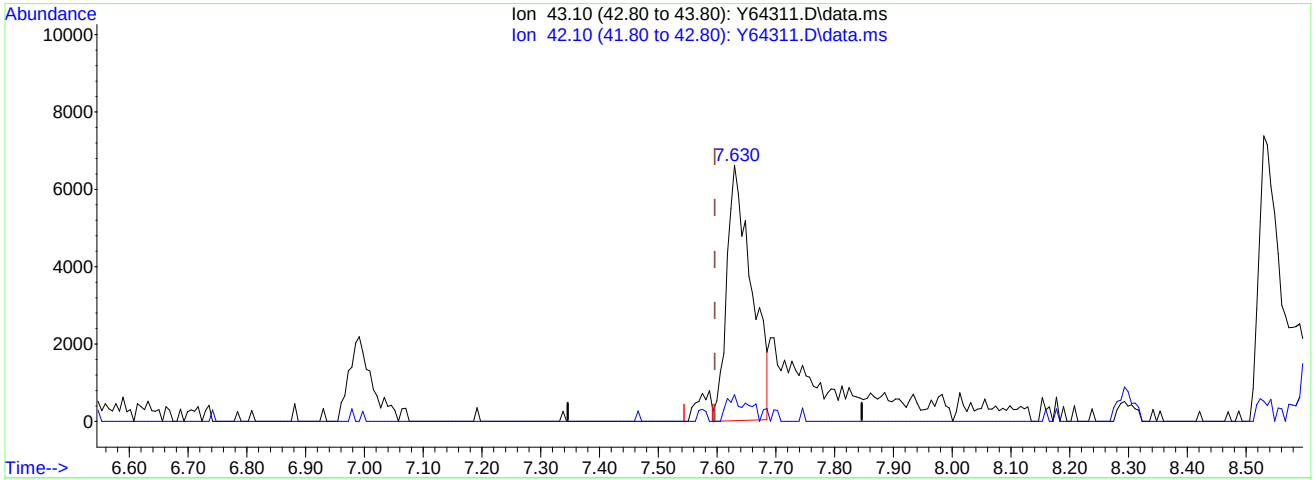
response 1353

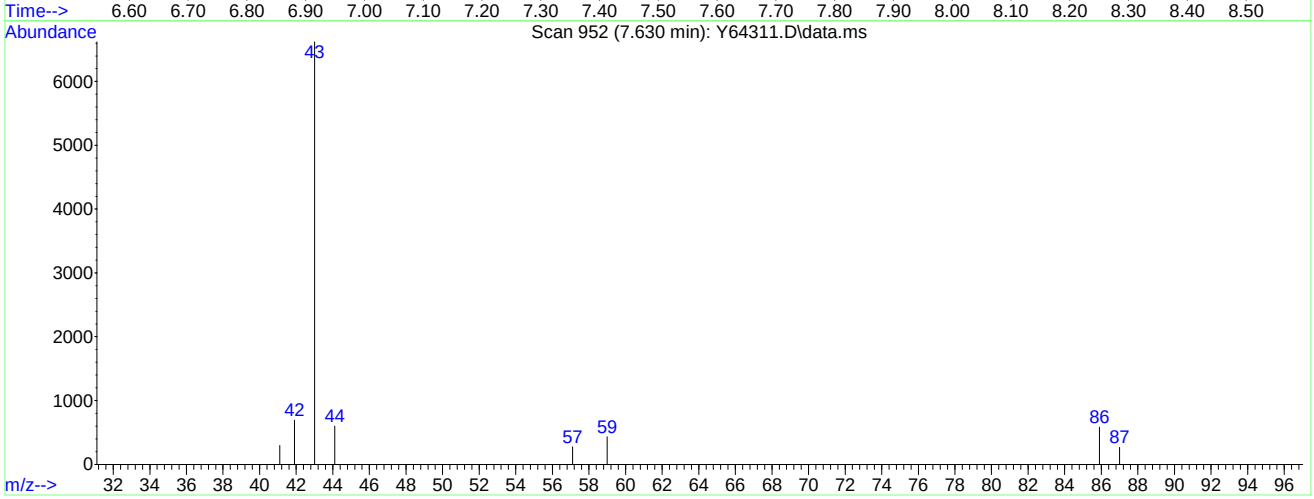
Ion	Exp%	Act%
43.10	100	100
42.10	8.40	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:38:06 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(31) Vinyl acetate

7.630min (+0.034) 2.25ug/L m

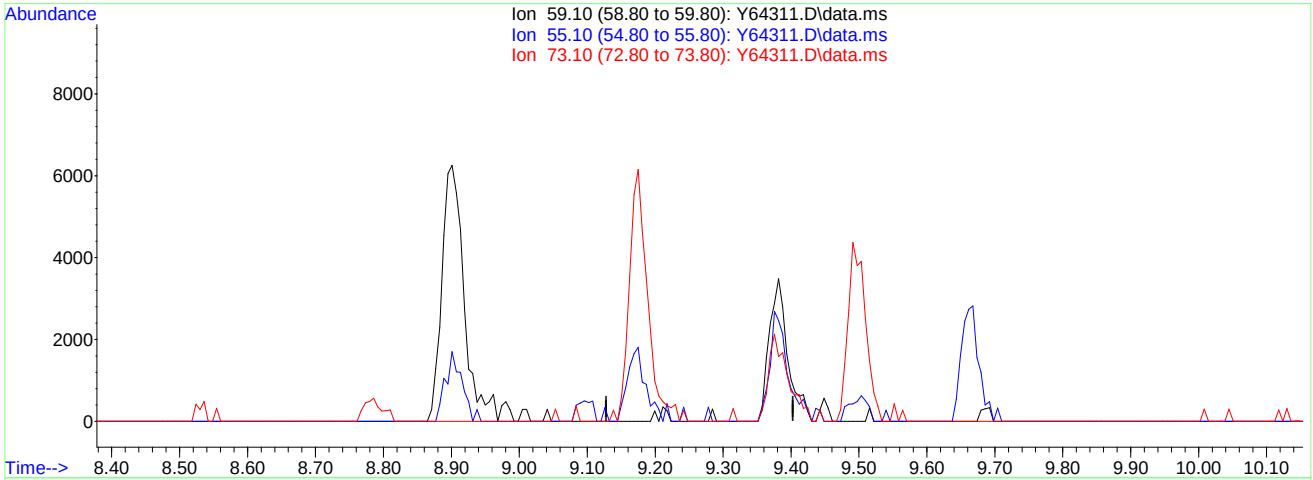
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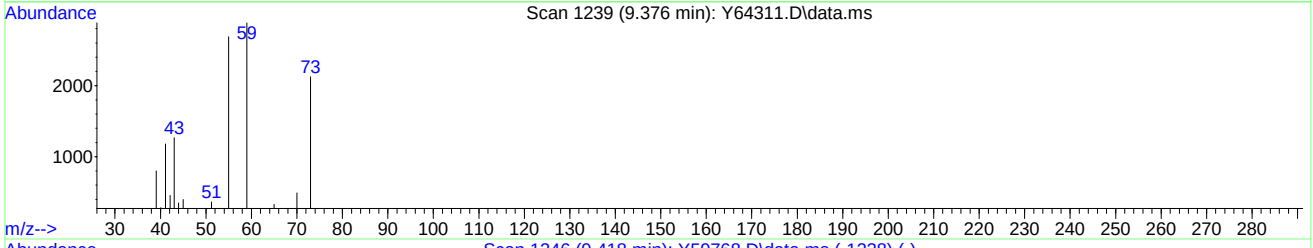
Ion	Exp%	Act%
43.10	100	100
42.10	8.40	10.48
0.00	0.00	0.00
0.00	0.00	0.00

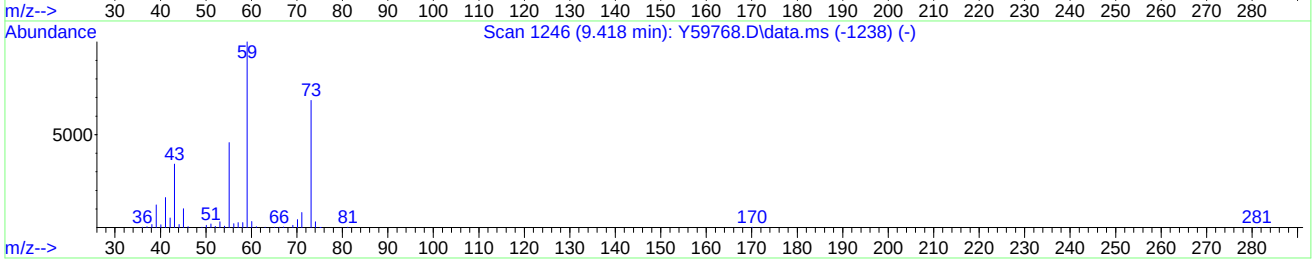
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:38:06 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(52) Tert Amyl Alcohol

9.378min (-9.378) 0.00ug/L

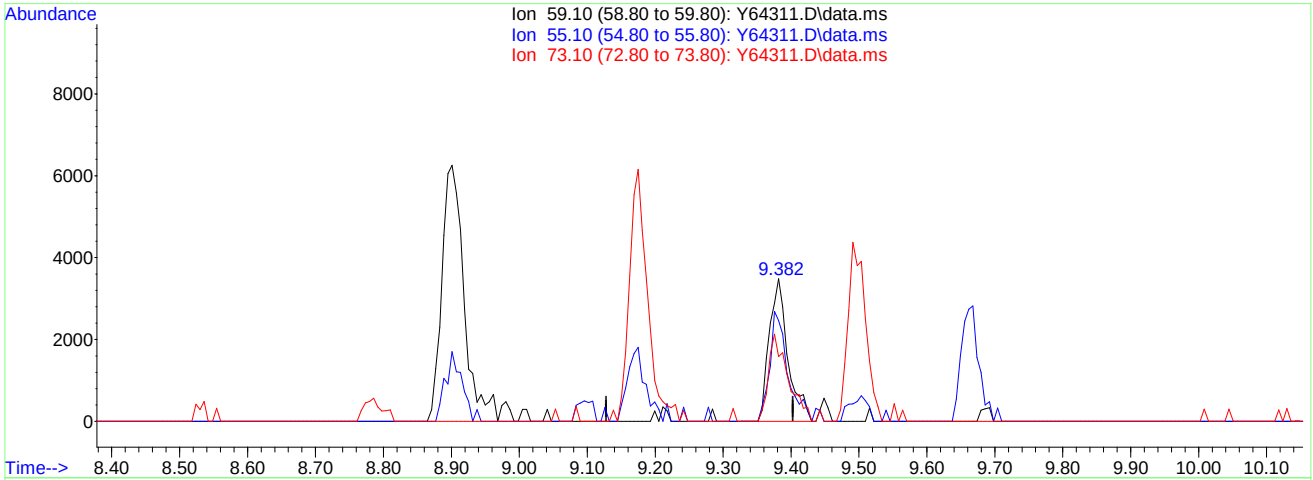
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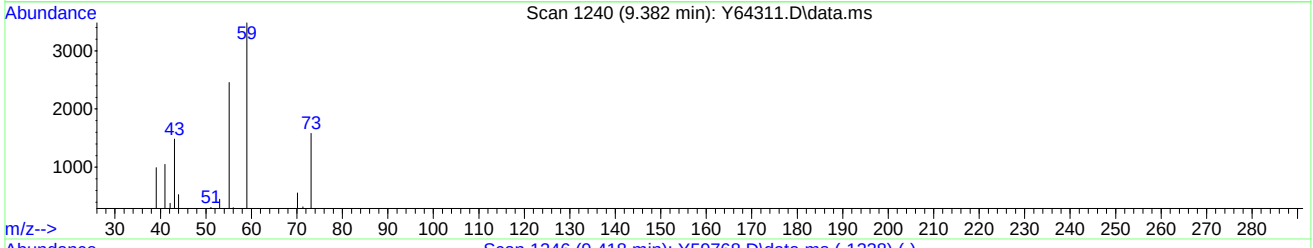
Ion	Exp%	Act%
59.10	100	0.00
55.10	52.60	0.00#
73.10	53.50	0.00#
0.00	0.00	0.00

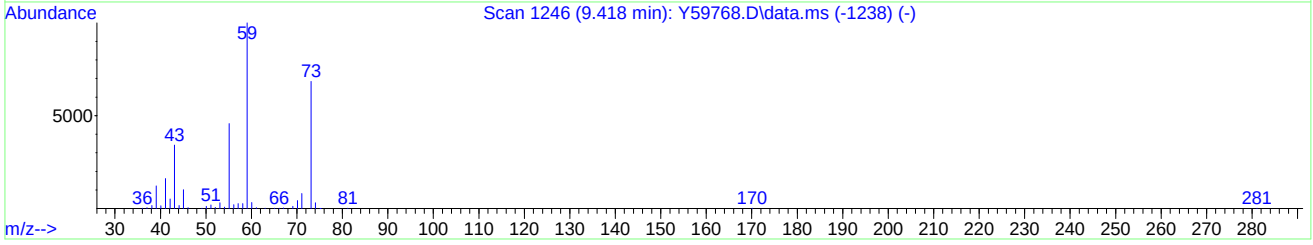
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:38:06 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(52) Tert Amyl Alcohol

9.382min (+0.004) 7.75ug/L m

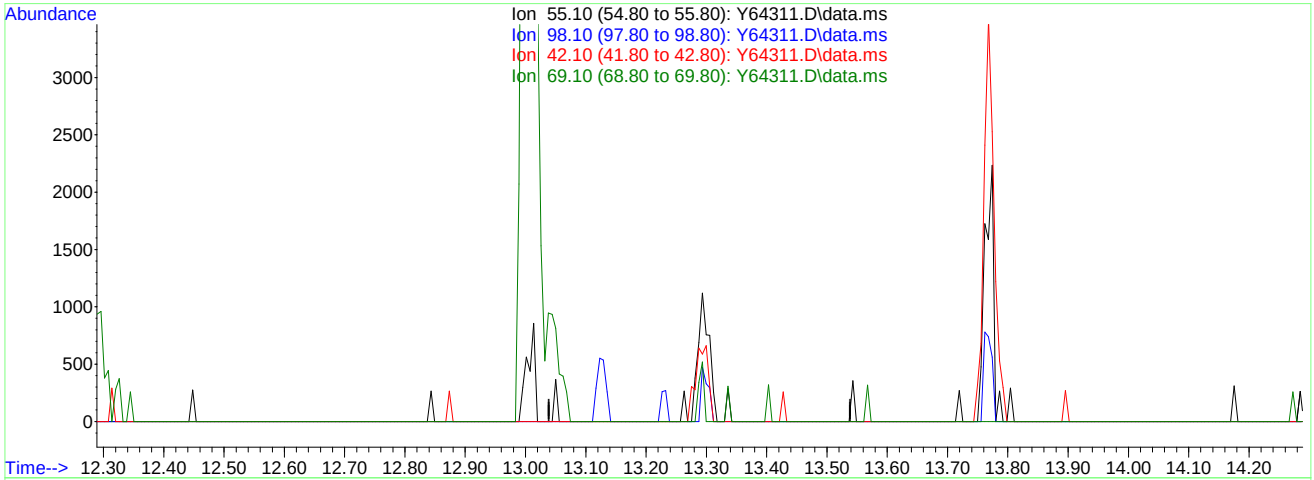
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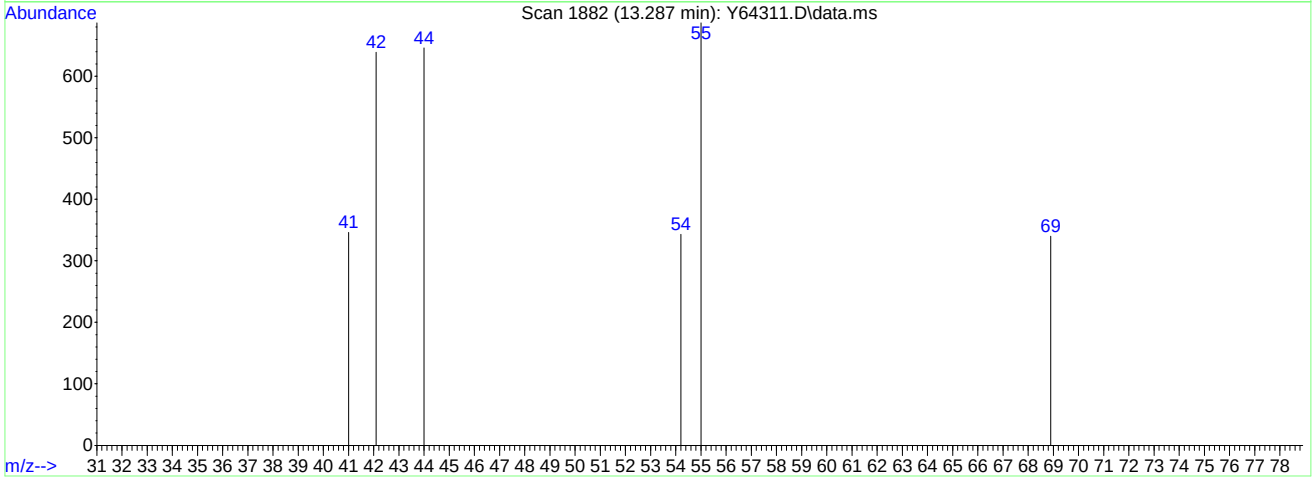
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	70.59
73.10	53.50	45.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(95) Cyclohexanone

13.289min 0.00ug/L d

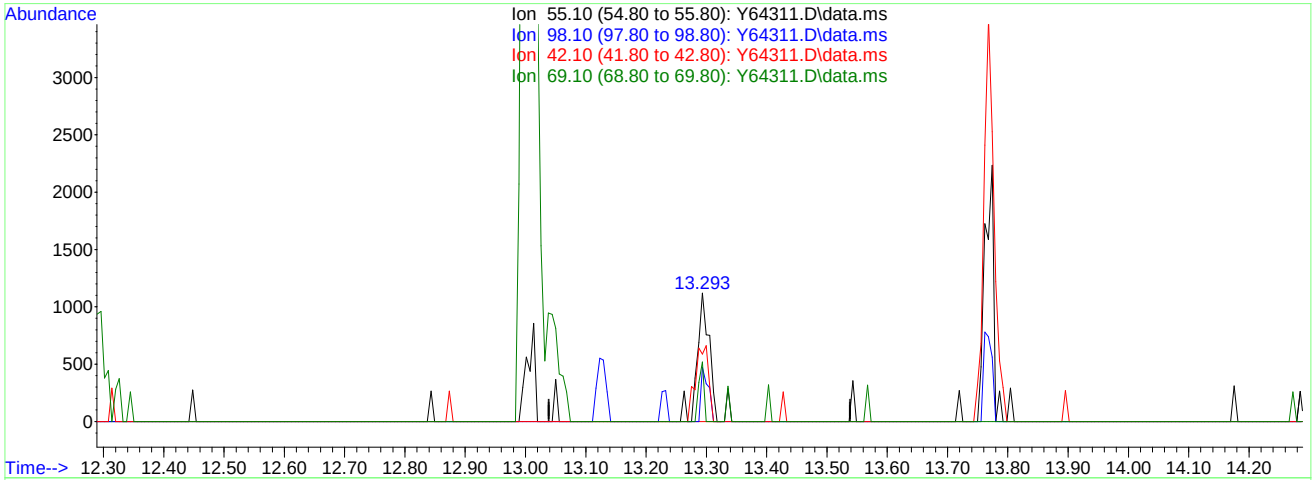
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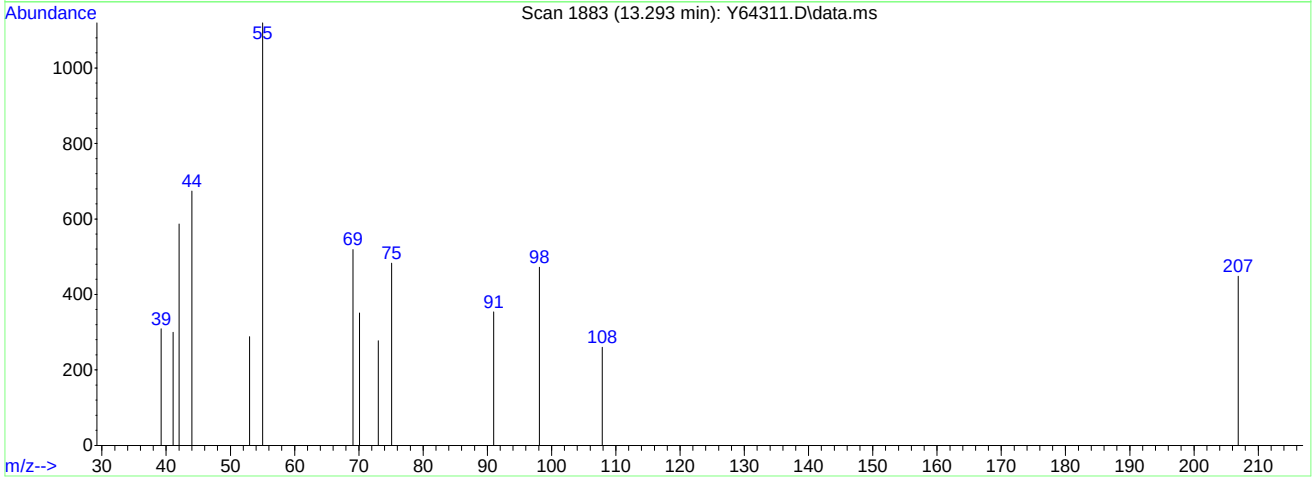
Ion	Exp%	Act%
55.10	100	0.00
98.10	46.20	0.00
42.10	72.30	0.00
69.10	28.40	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(95) Cyclohexanone

13.293min (+0.005) 2.94ug/L m

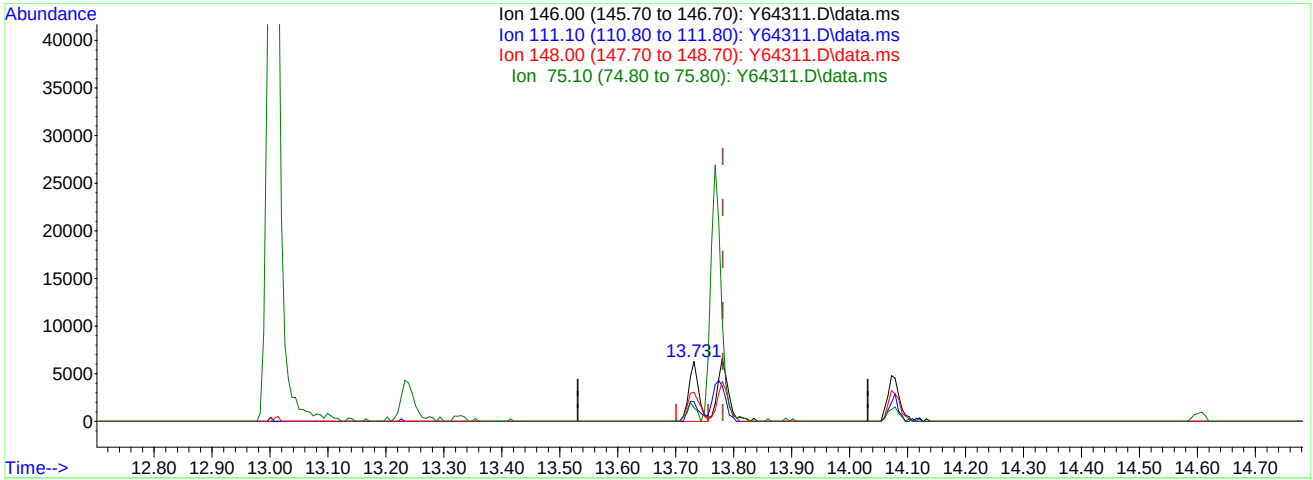
response 1441

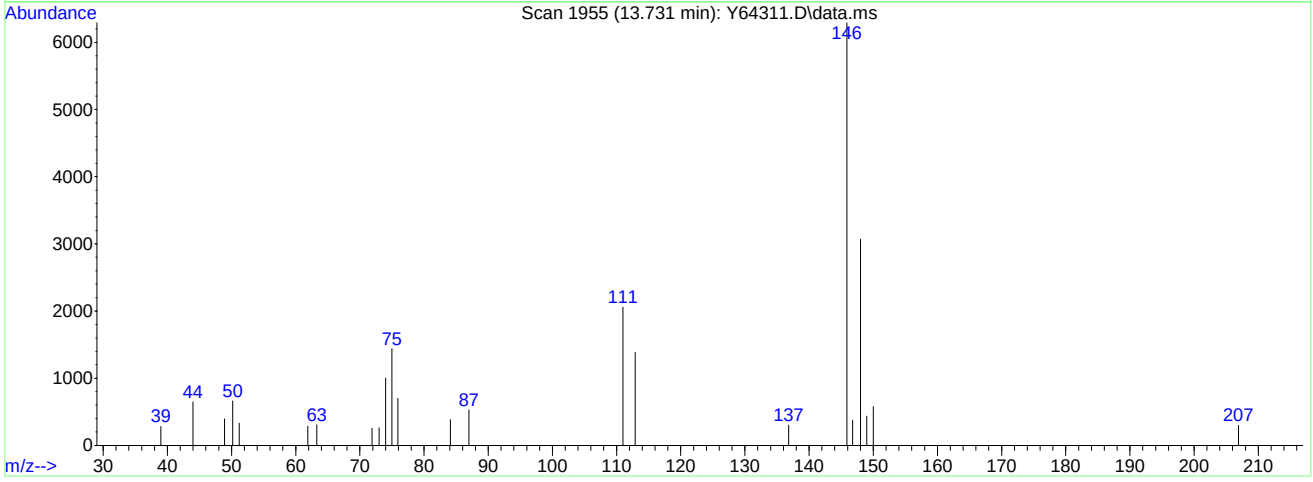
Ion	Exp%	Act%
55.10	100	100
98.10	46.20	42.14
42.10	72.30	52.41
69.10	28.40	46.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(104) 1,4-Dichlorobenzene

13.731min (-0.050) 1.03ug/L

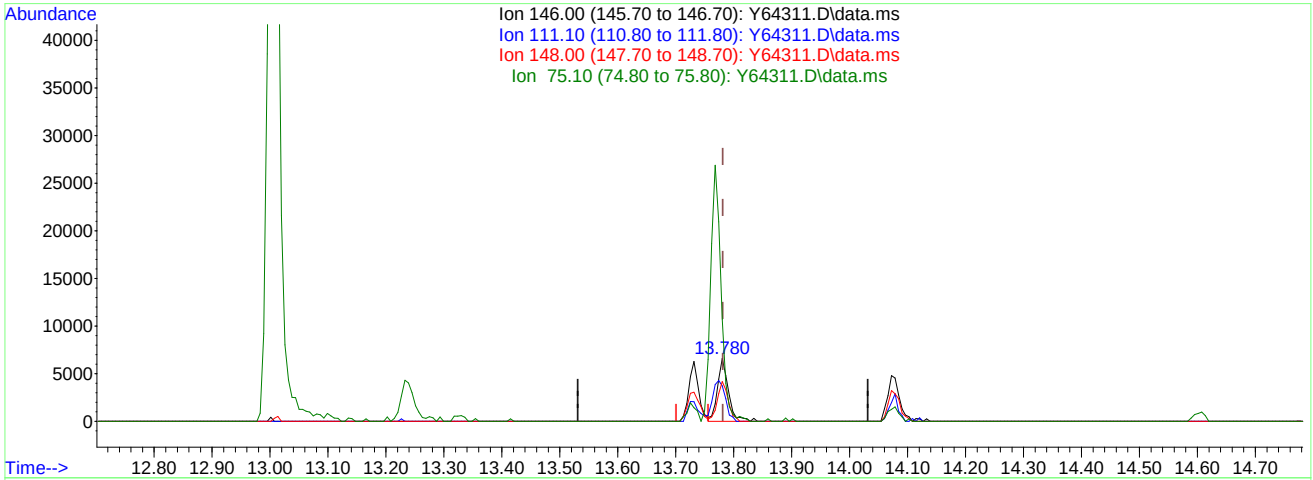
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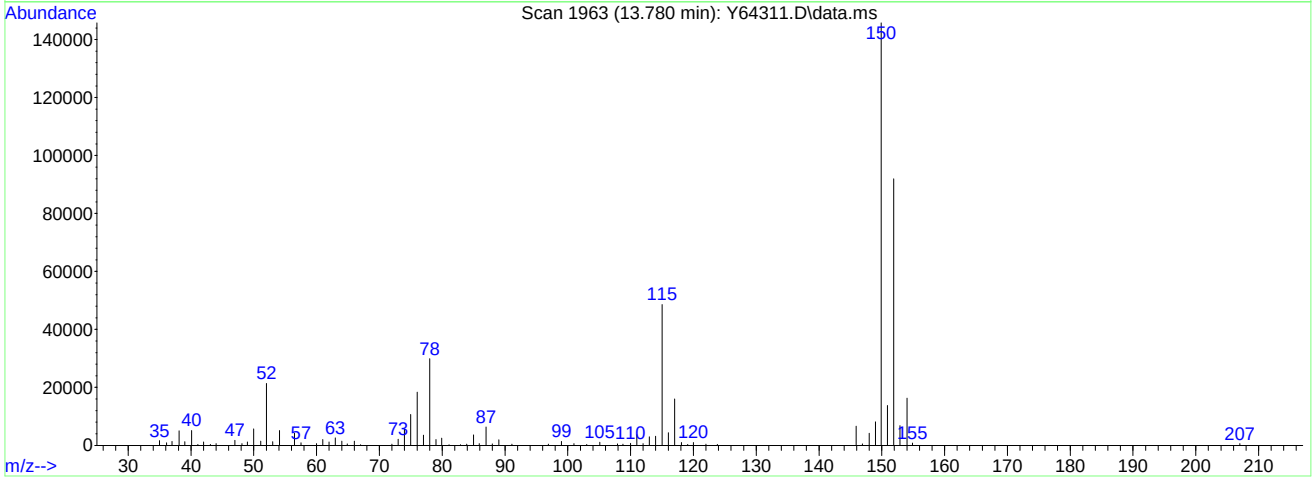
Ion	Exp%	Act%
146.00	100	100
111.10	37.80	32.68
148.00	62.10	48.76
75.10	28.90	22.87

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(104) 1,4-Dichlorobenzene

13.780min (-0.001) 1.19ug/L m

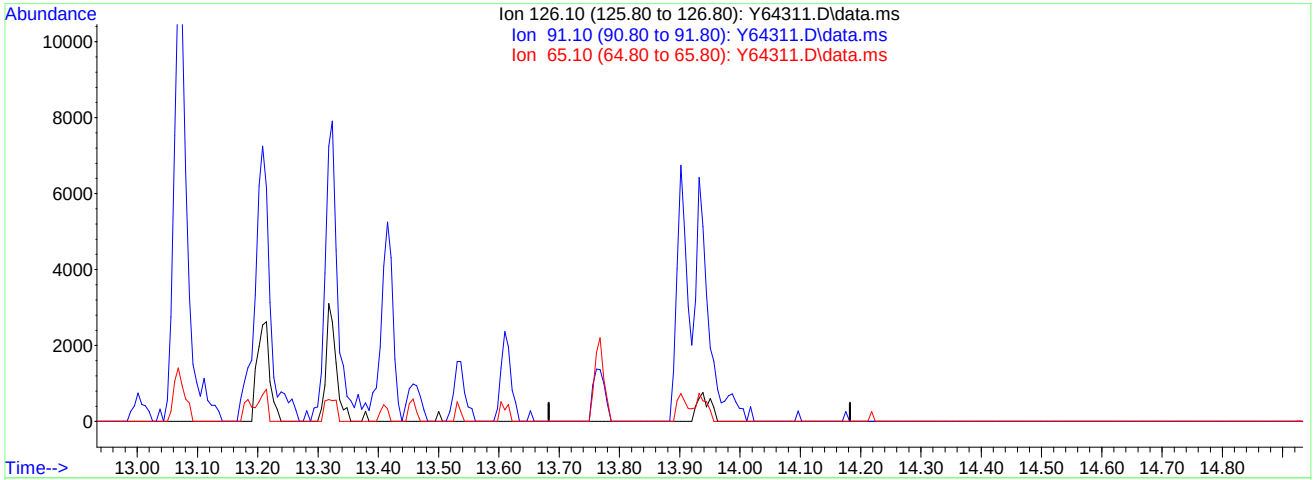
response 8556

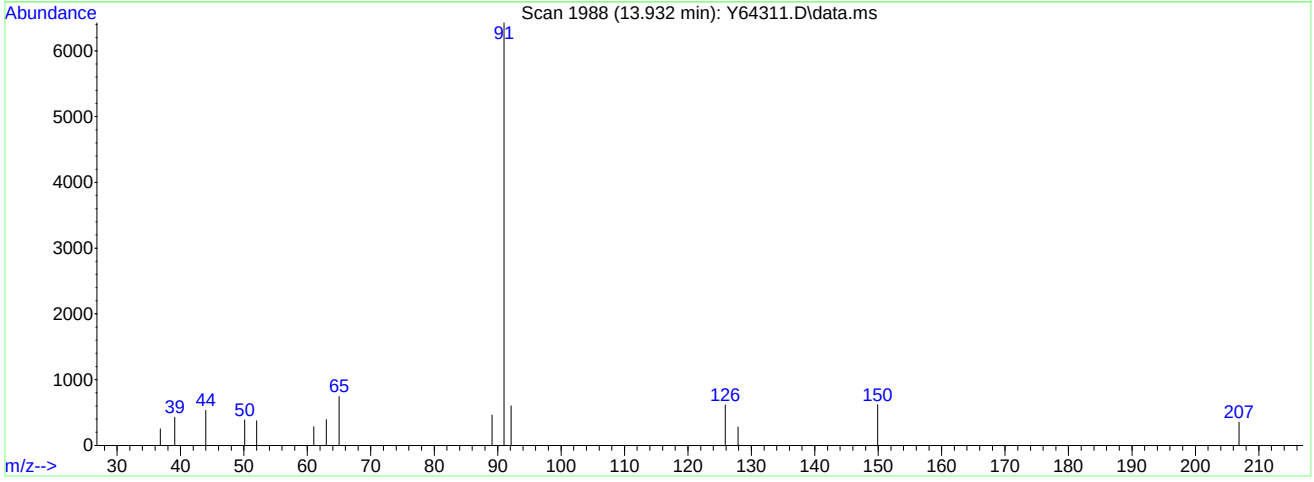
Ion	Exp%	Act%
146.00	100	100
111.10	37.80	56.58
148.00	62.10	63.26
75.10	28.90	161.78#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(106) Benzyl Chloride

13.933min (-13.933) 0.00ug/L

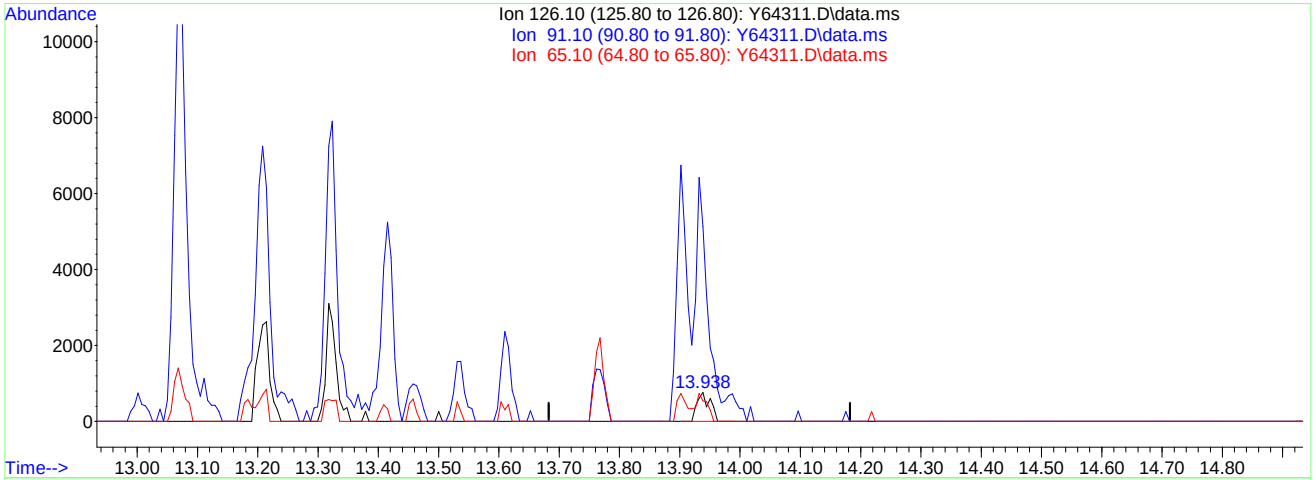
response 0

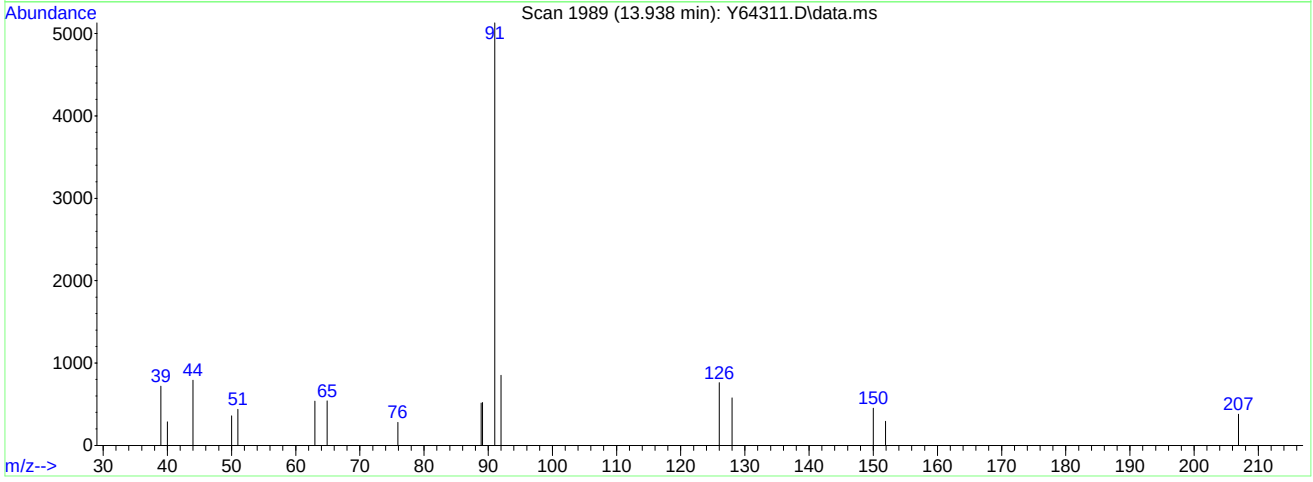
Ion	Exp%	Act%
126.10	100	0.00
91.10	447.10	0.00#
65.10	49.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(106) Benzyl Chloride

13.938min (+0.005) 0.53ug/L m

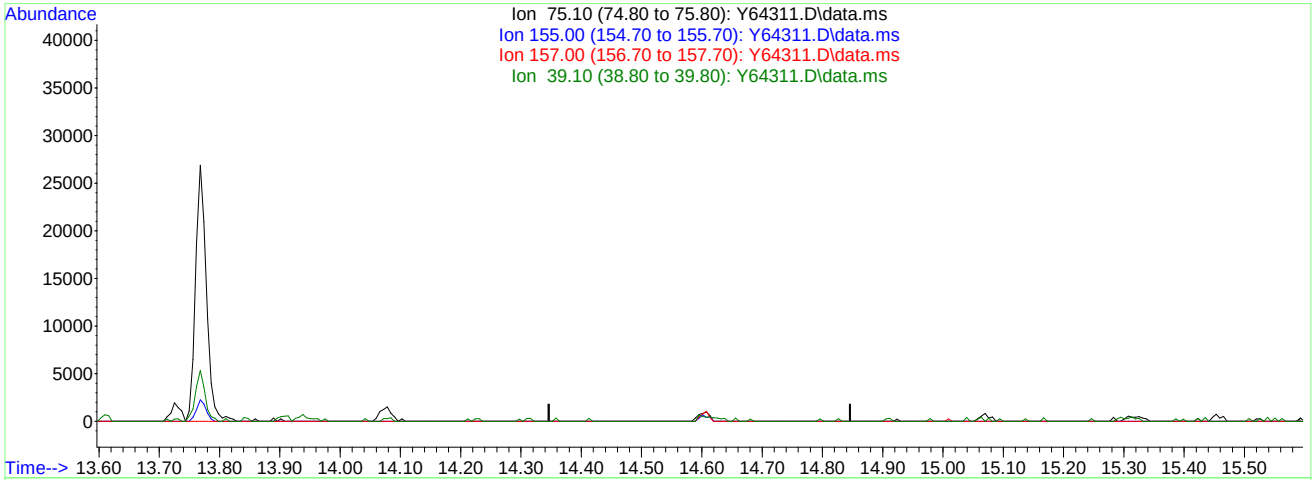
response 1145

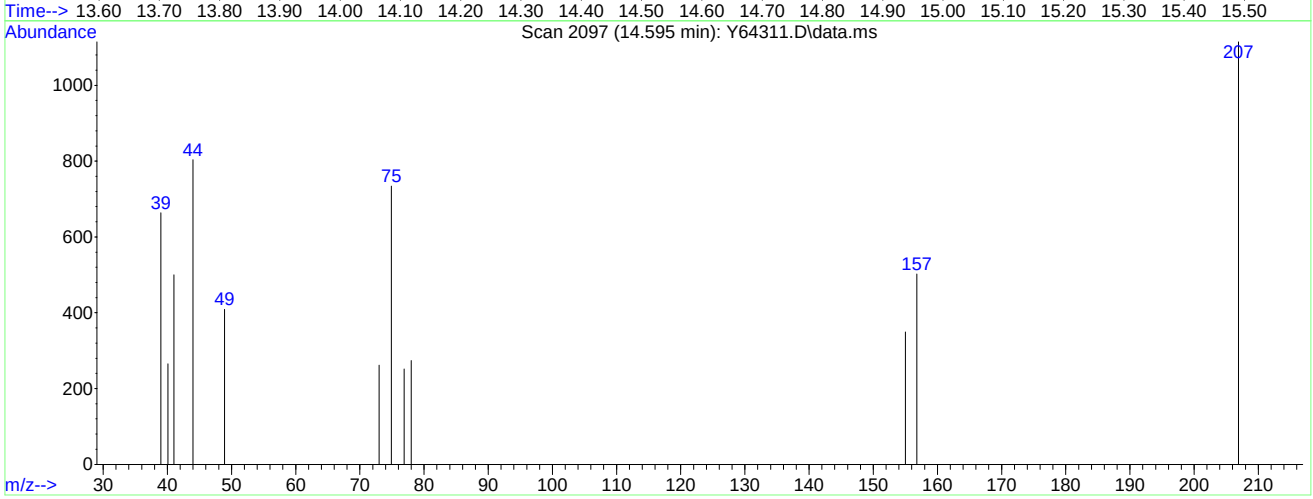
Ion	Exp%	Act%
126.10	100	100
91.10	447.10	674.24#
65.10	49.40	70.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

14.596min (-14.596) 0.00ug/L

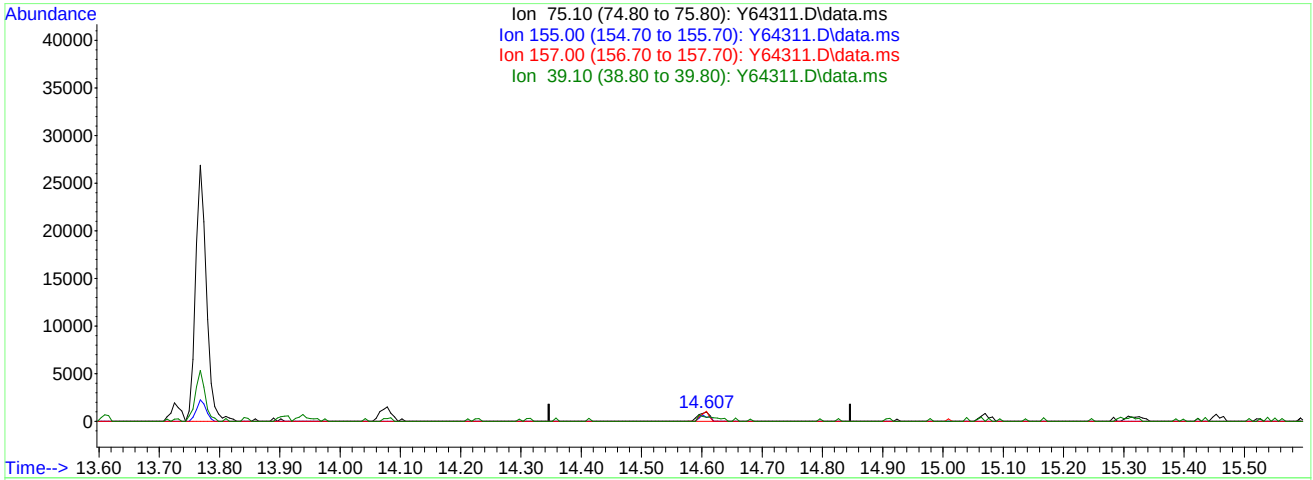
response 0

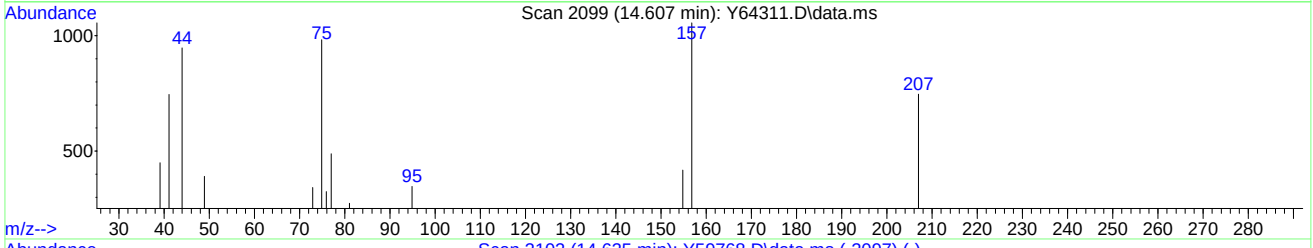
Ion	Exp%	Act%
75.10	100	0.00
155.00	84.20	0.00#
157.00	104.10	0.00#
39.10	84.70	0.00#

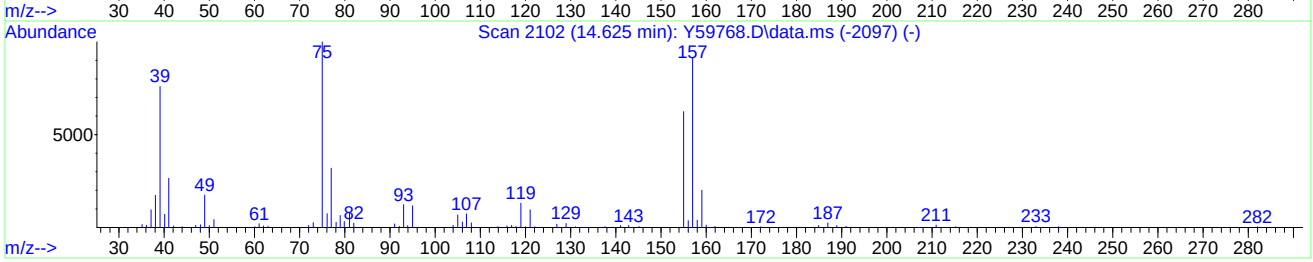
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

14.607min (+0.011) 0.94ug/L m

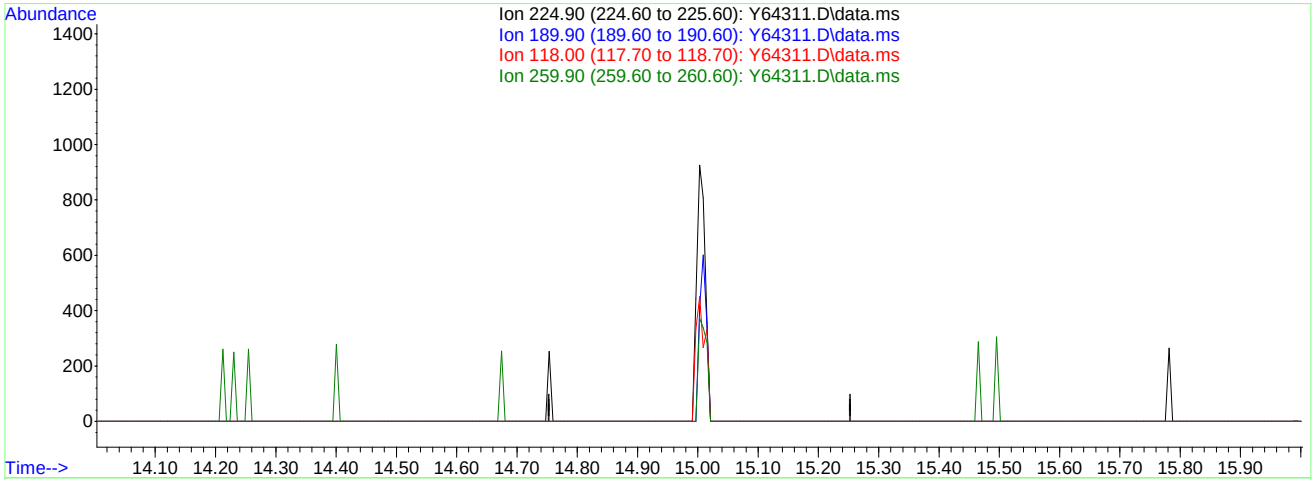
response 1282

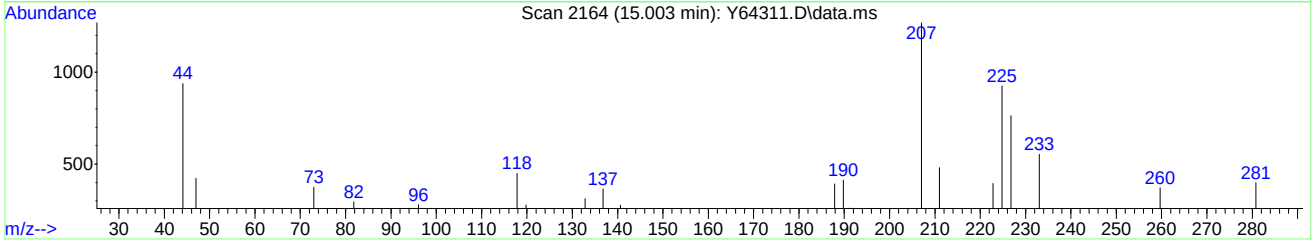
Ion	Exp%	Act%
75.10	100	100
155.00	84.20	42.57#
157.00	104.10	107.54
39.10	84.70	45.72#

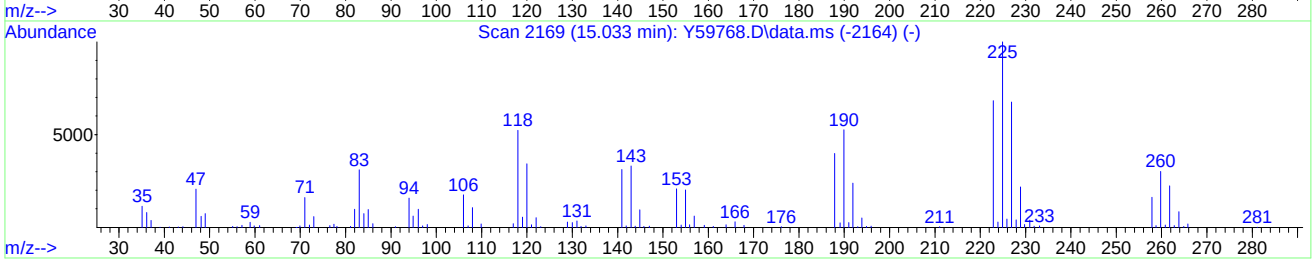
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(109) Hexachlorobutadiene ( )

15.003min (-15.003) 0.00ug/L

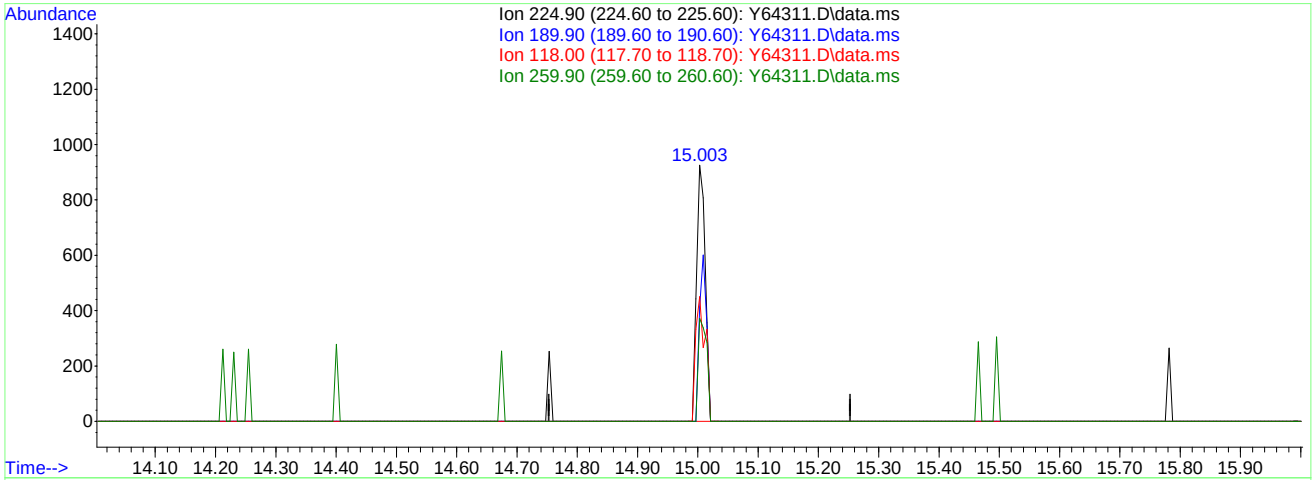
response 0

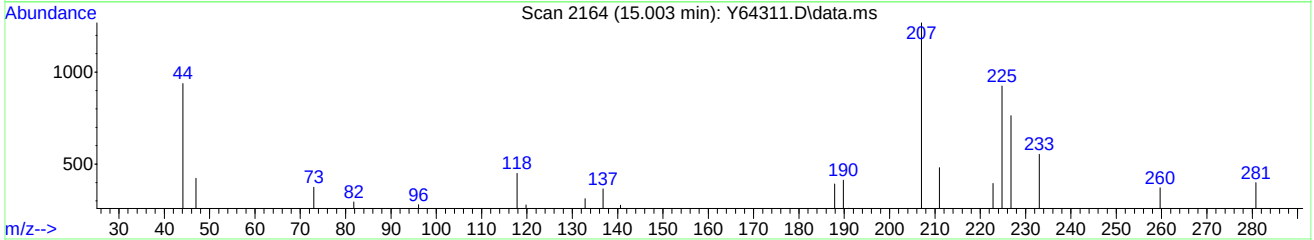
Ion	Exp%	Act%
224.90	100	0.00
189.90	48.10	0.00#
118.00	41.60	0.00#
259.90	30.70	0.00#

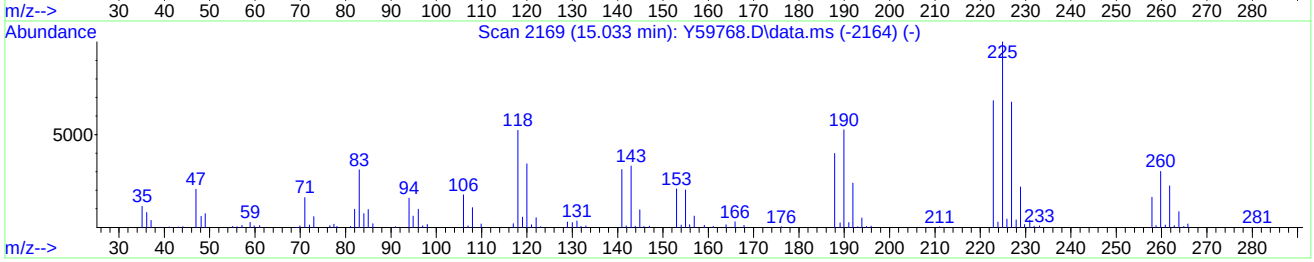
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(109) Hexachlorobutadiene ( )

15.003min (-0.000) 0.59ug/L m

response 923

Ion	Exp%	Act%
224.90	100	100
189.90	48.10	44.65
118.00	41.60	48.65
259.90	30.70	40.22

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:46:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.499	96	693582	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.151	117	561566	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.769	152	287581	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.605	113	154111	49.16	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.32%			
49) 1,2-Dichloroethane-d4	9.207	65	194474	49.94	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.88%			
63) Toluene-d8	10.935	98	704530	49.40	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.80%			
86) 4-Bromofluorobenzene	13.009	174	214453	48.69	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.38%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.844	85	20663	7.09	ug/L	96
3) Acrolein	5.581	56	21364	19.26	ug/L	94
4) Chloromethane	3.178	50	22743	5.19	ug/L	94
5) 1,3-butadiene	3.336	39	19665	5.17	ug/L	96
6) Vinyl Chloride	3.312	62	23639	5.55	ug/L	99
7) Bromomethane	3.823	94	3484	4.29	ug/L	83
8) Chloroethane	4.036	64	15294	13.15	ug/L	88
9) Trichlorofluoromethane	4.261	101	26056	5.44	ug/L	97
10) Ethyl Ether	4.748	59	18018	6.09	ug/L	95
11) Ethanol	5.009	45	4291	34.24	ug/L	89
12) 1,2-Dichlorotrifluoroe...	5.040	67	19425	6.59	ug/L	92
13) 1,1-Dichloroethene	5.052	61	24368	5.56	ug/L	94
14) Freon 113	5.113	101	17797	6.16	ug/L	88
15) Carbon Disulfide	5.107	76	44534	5.15	ug/L	93
16) Iodomethane	5.283	142	1647	1.16	ug/L	89
17) Allyl chloride	5.794	41	19772	4.10	ug/L	90
18) Methylene Chloride	5.958	49	51853	10.27	ug/L	95
19) Acetone	6.049	43	46981	20.09	ug/L	89
20) Methyl acetate	6.232	43	115706	25.51	ug/L	93
21) trans-1,2-Dichloroethene	6.226	61	24565	5.47	ug/L	91
22) Hexane	6.329	56	13106m	4.57	ug/L	
23) Methyl Tert Butyl Ether	6.378	73	56097	6.39	ug/L #	60
24) Tert Butyl Alcohol	6.524	59	53237	35.45	ug/L	96
25) Acetonitrile	6.804	41	40027	42.78	ug/L	95
26) Di-isopropyl ether	6.986	45	60479	5.51	ug/L	99
27) Chloroprene	7.193	53	4027	0.84	ug/L	91
28) 1,1-Dichloroethane	7.218	63	33341	5.82	ug/L	99
29) Acrylonitrile	7.309	53	62464	28.32	ug/L	98
30) ETBE	7.576	59	62149	5.96	ug/L	97
31) Vinyl acetate	7.607	43	232181	26.27	ug/L	97
32) cis-1,2-Dichloroethene	8.033	96	21043	5.96	ug/L	95
33) 2,2-Dichloropropane	8.167	77	27424	5.98	ug/L	98
34) Bromochloromethane	8.294	128	9942	6.19	ug/L	91
35) Cyclohexane	8.294	56	36296	5.56	ug/L	94
36) Chloroform	8.379	83	31852	6.22	ug/L	96
37) Ethyl acetate	8.519	43	196754	29.70	ug/L	98
38) Tetrahydrofuran	8.592	42	15245	5.54	ug/L	98
40) Carbon Tetrachloride	8.562	117	22828	5.87	ug/L	87
41) 1,1,1-Trichloroethane	8.635	97	29777	6.41	ug/L	98
42) 2-Butanone	8.751	43	83105	21.90	ug/L	98
43) 1,1-Dichloropropene	8.787	75	27386	6.32	ug/L	90
44) tert-Butyl formate	8.903	59	74449	26.66	ug/L	93
45) Propionitrile	9.085	54	51674	42.13	ug/L	97
46) Methacrylonitrile	9.103	41	179050	45.03	ug/L	97
47) Benzene	9.061	78	85913	6.31	ug/L	93
48) TAME	9.170	73	60882	6.90	ug/L	89
50) Isobutyl Alcohol	9.274	42	23946	71.66	ug/L	94
51) 1,2-Dichloroethane	9.286	62	27803	6.13	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:46:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

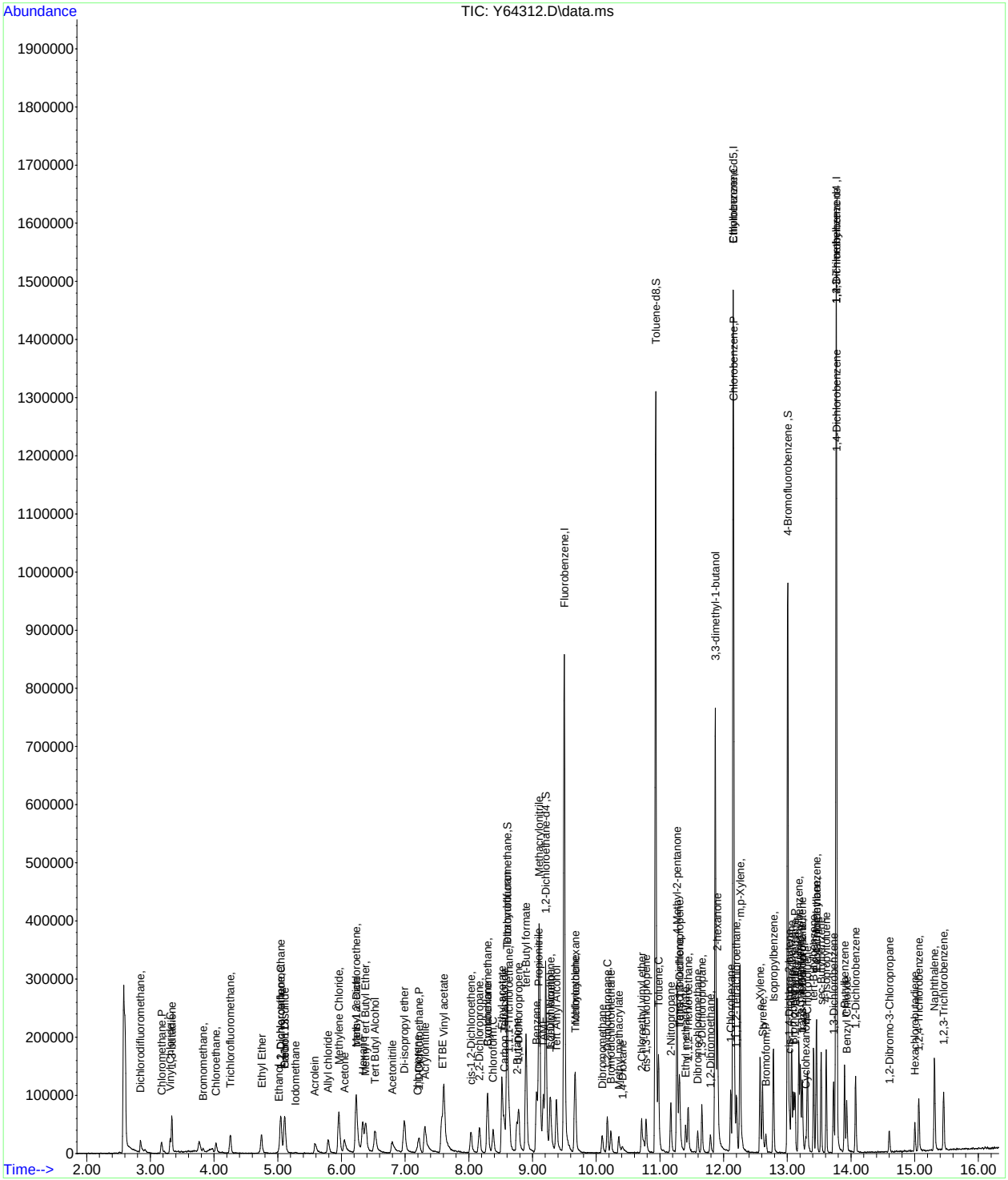
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	9.371	59	48056m	53.26	ug/L		
53) Trichloroethene	9.681	95	20757	6.22	ug/L		93
54) Methylcyclohexane	9.663	83	36399	6.01	ug/L		96
55) Dibromomethane	10.089	93	11822	6.08	ug/L		92
56) 1,2-Dichloropropane	10.180	63	21295	5.96	ug/L		82
57) Bromodichloromethane	10.229	83	22089	5.92	ug/L		95
58) Methyl methacrylate	10.357	41	16446	3.77	ug/L		93
59) 1,4-Dioxane	10.411	88	6563	61.45	ug/L		80
60) 2-Chloroethyl vinyl ether	10.716	63	24913	43.40	ug/L		94
61) cis-1,3-Dichloropropene	10.782	75	27395	5.51	ug/L		90
64) Toluene	10.977	91	95247	6.08	ug/L		98
65) 2-Nitropropane	11.172	41	42985	21.91	ug/L		95
66) 4-Methyl-2-pentanone	11.269	43	166579	21.83	ug/L		98
67) trans-1,3-Dichloropropene	11.312	75	24449	5.30	ug/L		80
68) Tetrachloroethene	11.306	166	22999	5.82	ug/L		96
69) Ethyl methacrylate	11.403	69	24101	4.52	ug/L		88
70) 1,1,2-Trichloroethane	11.446	83	16589	6.38	ug/L		94
71) Dibromochloromethane	11.592	129	16567	4.98	ug/L		96
72) 1,3-Dichloropropane	11.658	76	36728	6.39	ug/L		92
73) 1,2-Dibromoethane	11.792	107	20730	6.07	ug/L		96
74) 3,3-dimethyl-1-butanol	11.871	57	301302	191.11	ug/L		93
75) 2-hexanone	11.902	43	130711	22.72	ug/L		99
76) 1-Chlorohexane	12.115	91	27082	5.27	ug/L		84
77) Ethylbenzene	12.157	91	101304	5.54	ug/L		99
78) Chlorobenzene	12.163	112	57100	5.64	ug/L		98
79) 1,1,1,2-Tetrachloroethane	12.206	131	17197	4.92	ug/L		95
80) m,p-Xylene	12.261	91	149941	10.72	ug/L		94
81) o-Xylene	12.571	91	73469	5.36	ug/L		97
82) Styrene	12.614	104	50445	4.81	ug/L		92
83) Bromoform	12.662	173	9808	4.18	ug/L		97
84) Isopropylbenzene	12.784	105	94633	5.57	ug/L		97
87) cis-1,4-Dichloro-2-butene	13.033	53	7733	3.73	ug/L		91
88) n-Propylbenzene	13.070	91	110485	5.37	ug/L		98
89) Bromobenzene	13.100	156	22513	5.71	ug/L		87
90) 1,1,2,2-Tetrachloroethane	13.118	83	32101	5.88	ug/L		98
91) 1,3,5-Trimethylbenzene	13.179	105	73954	5.20	ug/L		96
92) 2-Chlorotoluene	13.204	91	72656	5.37	ug/L		97
93) trans-1,4-Dichloro-2-B...	13.240	53	7851	4.18	ug/L	#	62
94) 1,2,3-Trichloropropane	13.234	110	12002	6.49	ug/L		93
95) Cyclohexanone	13.289	55	9490	17.69	ug/L		88
96) 4-Chlorotoluene	13.313	91	64710	5.40	ug/L		97
97) tert-Butylbenzene	13.410	91	41792	5.25	ug/L		99
98) 1,2,4-Trimethylbenzene	13.453	105	73260	5.22	ug/L		97
99) Pentachloroethane	13.465	167	9812	4.38	ug/L		98
100) sec-Butylbenzene	13.532	105	91412	5.28	ug/L		95
101) 4-Isopropyltoluene	13.611	119	73069	4.84	ug/L		99
102) 1,3-Dichlorobenzene	13.727	146	39872	5.33	ug/L		95
103) 1,2,3-Trimethylbenzene	13.763	105	78079	5.62	ug/L		94
104) 1,4-Dichlorobenzene	13.782	146	42306	5.37	ug/L		88
105) n-Butylbenzene	13.897	92	33364	4.47	ug/L		92
106) Benzyl Chloride	13.934	126	9898	4.14	ug/L	#	54
107) 1,2-Dichlorobenzene	14.074	146	40722	5.59	ug/L		96
108) 1,2-Dibromo-3-Chloropr...	14.603	75	6283	4.20	ug/L	#	76
109) Hexachlorobutadiene	15.004	225	6772	3.94	ug/L		94
110) 1,2,4-Trichlorobenzene	15.065	180	25322	5.26	ug/L		97
111) Naphthalene	15.309	128	109740	5.32	ug/L		100
112) 1,2,3-Trichlorobenzene	15.455	180	24517	5.16	ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:46:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

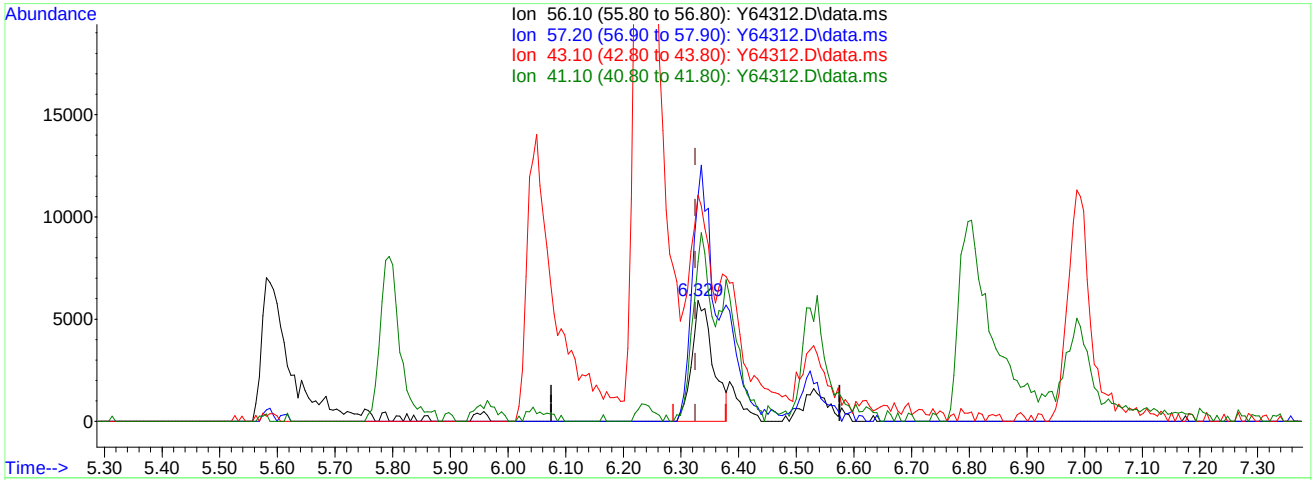
Sample Number: VY2666-IC2666
Lab FileID: Y64312.D
Injection Time: 08/29/22 13:29
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

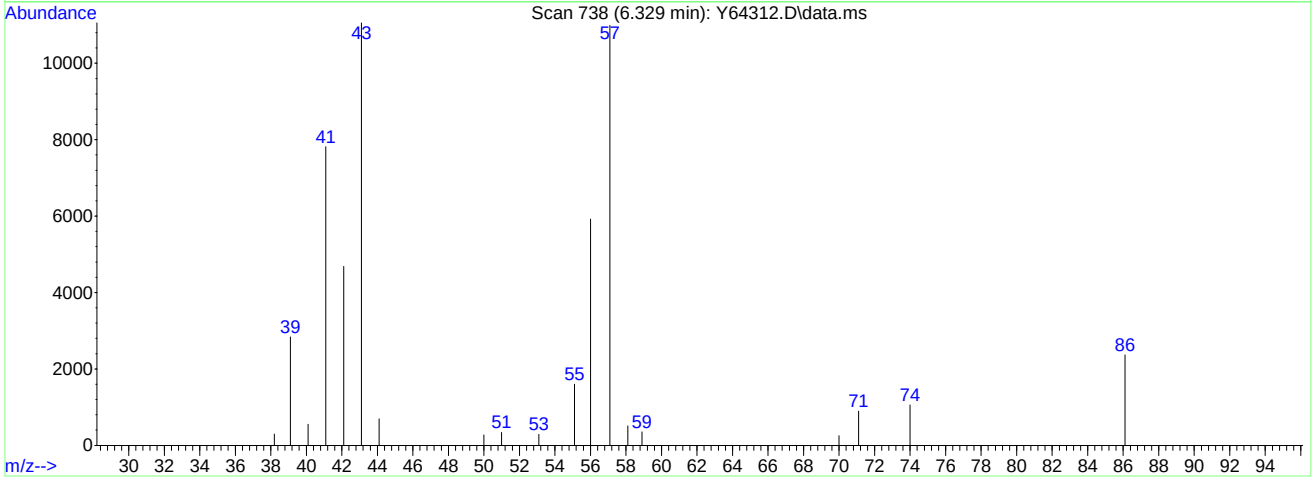
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.37	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:33:47 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64312.D\data.ms

(22) Hexane

6.329min (+0.004) 5.24ug/L

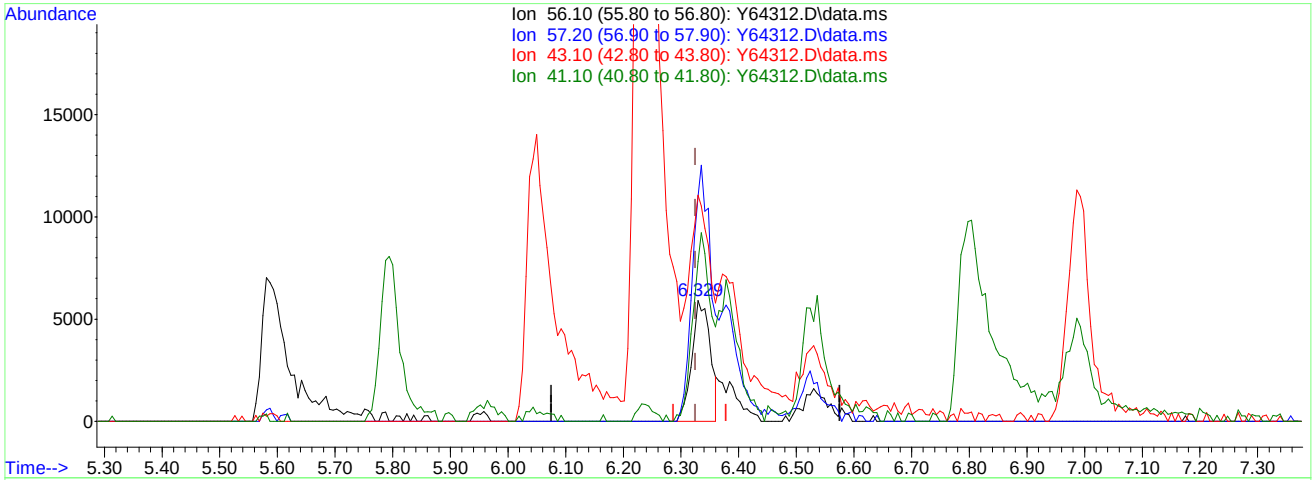
response 15030

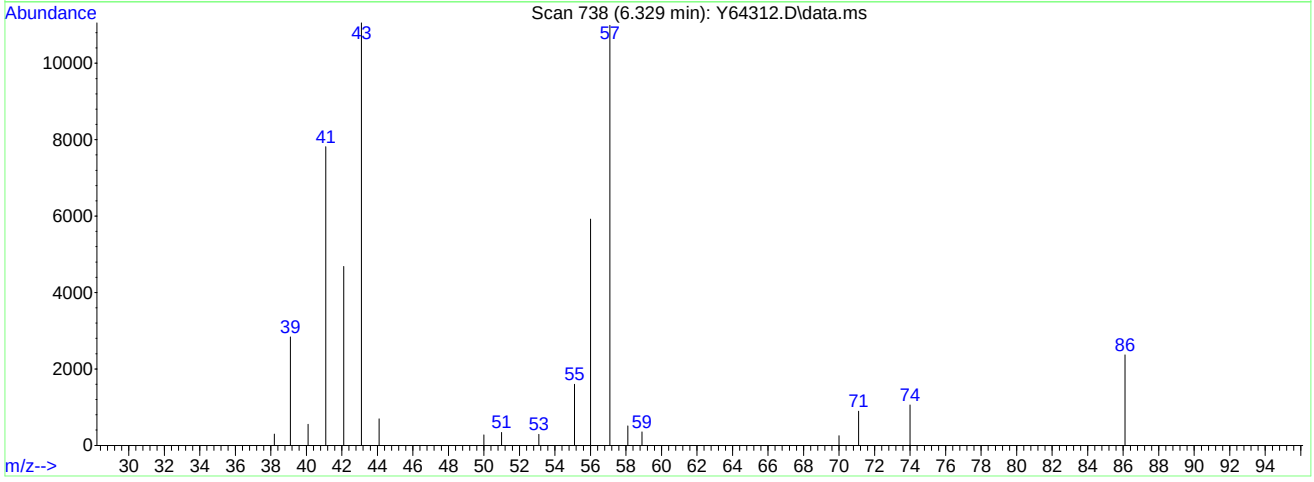
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	185.74
43.10	76.70	67.22
41.10	144.30	132.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:33:47 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64312.D\data.ms

(22) Hexane

6.329min (+0.004) 4.57ug/L m

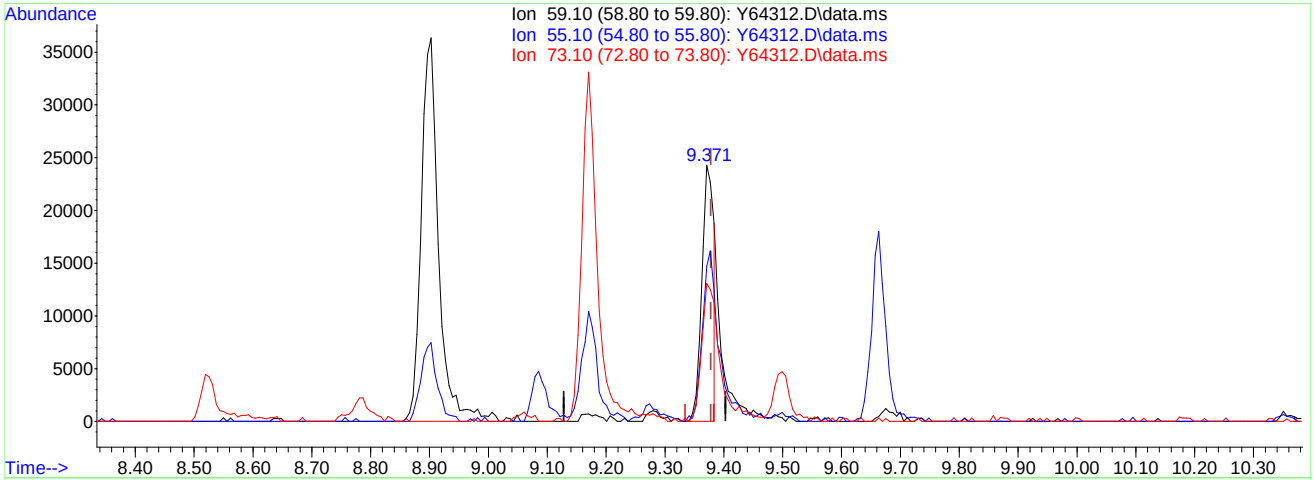
response 13106

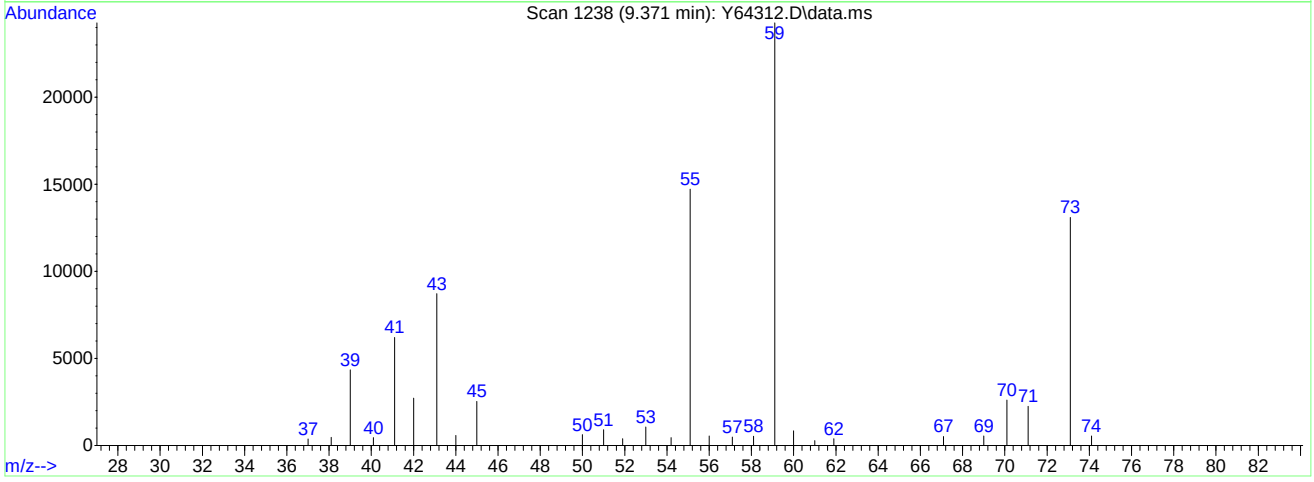
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	185.74
43.10	76.70	186.86#
41.10	144.30	132.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:33:47 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64312.D\data.ms

(52) Tert Amyl Alcohol

9.371min (-0.007) 38.13ug/L

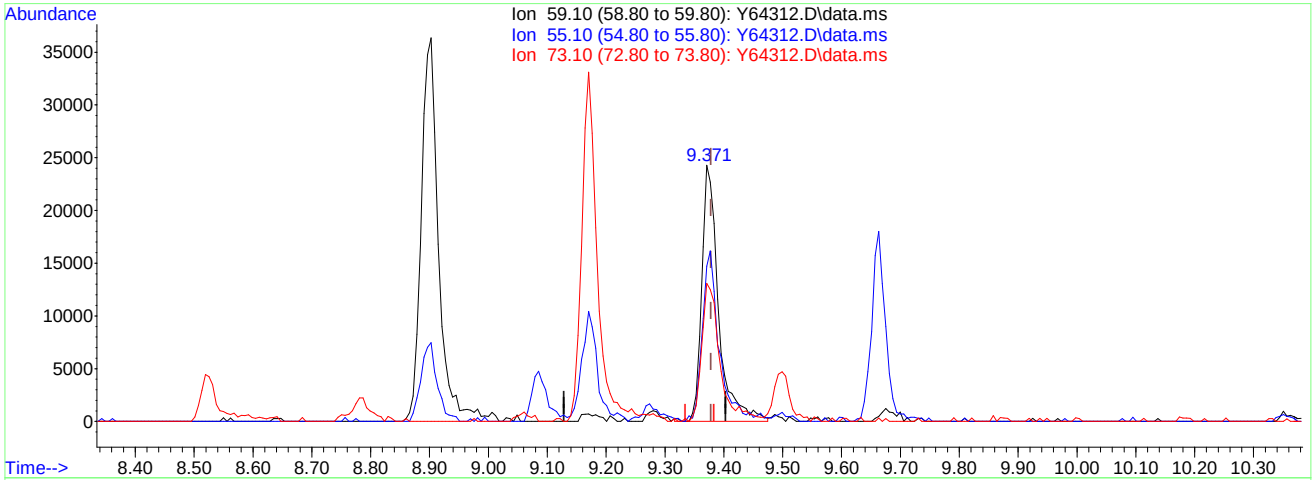
response 34173

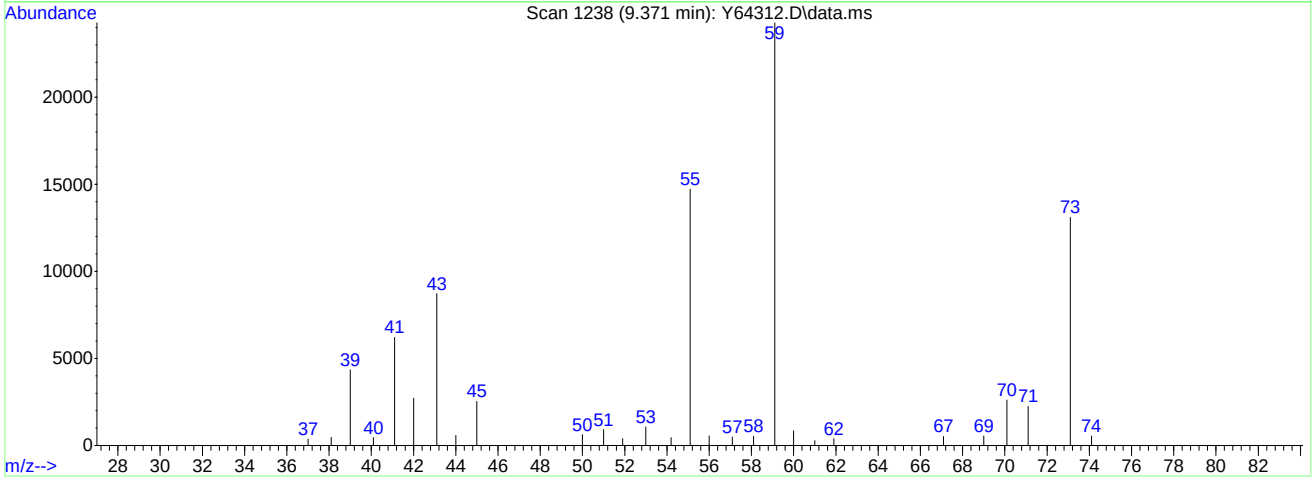
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	60.61
73.10	53.50	52.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:33:47 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64312.D\data.ms

(52) Tert Amyl Alcohol

9.371min (-0.007) 53.26ug/L m

response 48056

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	60.61
73.10	53.50	53.96
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:47:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	9.497	96	712717	50.00	ug/L		0.00
62) Chlorobenzene-d5	12.149	117	588987	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	298427	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.603	113	159459	49.50	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.00%				
49) 1,2-Dichloroethane-d4	9.205	65	202171	50.53	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.06%				
63) Toluene-d8	10.933	98	730326	48.83	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.66%				
86) 4-Bromofluorobenzene	13.007	174	226587	49.58	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.16%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.848	85	42158	14.01	ug/L		97
3) Acrolein	5.585	56	41396	36.32	ug/L		94
4) Chloromethane	3.170	50	47643	10.57	ug/L		89
5) 1,3-butadiene	3.341	39	39591	10.21	ug/L		99
6) Vinyl Chloride	3.310	62	51850	11.84	ug/L		100
7) Bromomethane	3.827	94	8373	9.91	ug/L		93
8) Chloroethane	4.034	64	33049	27.65	ug/L		93
9) Trichlorofluoromethane	4.253	101	54066	10.98	ug/L		94
10) Ethyl Ether	4.746	59	32035	10.55	ug/L		97
11) Ethanol	4.995	45	12669	97.89	ug/L		94
12) 1,2-Dichlorotrifluoroe...	5.038	67	34808	11.49	ug/L		93
13) 1,1-Dichloroethene	5.056	61	46884	10.42	ug/L		93
14) Freon 113	5.111	101	32039	10.79	ug/L		92
15) Carbon Disulfide	5.105	76	87090	9.80	ug/L		94
16) Iodomethane	5.275	142	4706	3.23	ug/L		89
17) Allyl chloride	5.786	41	40838	8.23	ug/L		90
18) Methylene Chloride	5.956	49	69504	13.40	ug/L		92
19) Acetone	6.042	43	106224	44.20	ug/L		86
20) Methyl acetate	6.230	43	228325	48.67	ug/L		95
21) trans-1,2-Dichloroethene	6.224	61	50940	11.03	ug/L		97
22) Hexane	6.334	56	25075m	8.55	ug/L		
23) Methyl Tert Butyl Ether	6.376	73	107465	11.90	ug/L		70
24) Tert Butyl Alcohol	6.522	59	107445	69.63	ug/L		99
25) Acetonitrile	6.784	41	82076	84.77	ug/L		96
26) Di-isopropyl ether	6.985	45	115318	10.22	ug/L		97
27) Chloroprene	7.179	53	7289	1.48	ug/L		85
28) 1,1-Dichloroethane	7.216	63	61562	10.45	ug/L		97
29) Acrylonitrile	7.307	53	114141	49.92	ug/L		97
30) ETBE	7.575	59	113912	10.63	ug/L		94
31) Vinyl acetate	7.605	43	435629	47.62	ug/L		97
32) cis-1,2-Dichloroethene	8.031	96	39273	10.84	ug/L		95
33) 2,2-Dichloropropane	8.171	77	51163	10.86	ug/L		96
34) Bromochloromethane	8.299	128	18264	11.09	ug/L	#	78
35) Cyclohexane	8.293	56	65330	9.75	ug/L		97
36) Chloroform	8.384	83	64298	12.21	ug/L		94
37) Ethyl acetate	8.518	43	331919	48.76	ug/L		98
38) Tetrahydrofuran	8.591	42	25414	8.99	ug/L		98
40) Carbon Tetrachloride	8.554	117	40628	10.17	ug/L		86
41) 1,1,1-Trichloroethane	8.633	97	55062	11.54	ug/L		98
42) 2-Butanone	8.749	43	185173	47.49	ug/L		94
43) 1,1-Dichloropropene	8.779	75	48500	10.87	ug/L		91
44) tert-Butyl formate	8.895	59	129903	45.26	ug/L		93
45) Propionitrile	9.083	54	110900	87.99	ug/L		94
46) Methacrylonitrile	9.102	41	356840	87.33	ug/L		98
47) Benzene	9.059	78	165330	11.82	ug/L		93
48) TAME	9.169	73	112620	12.36	ug/L		94
50) Isobutyl Alcohol	9.272	42	52555	150.65	ug/L		96
51) 1,2-Dichloroethane	9.284	62	51618	11.07	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:47:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

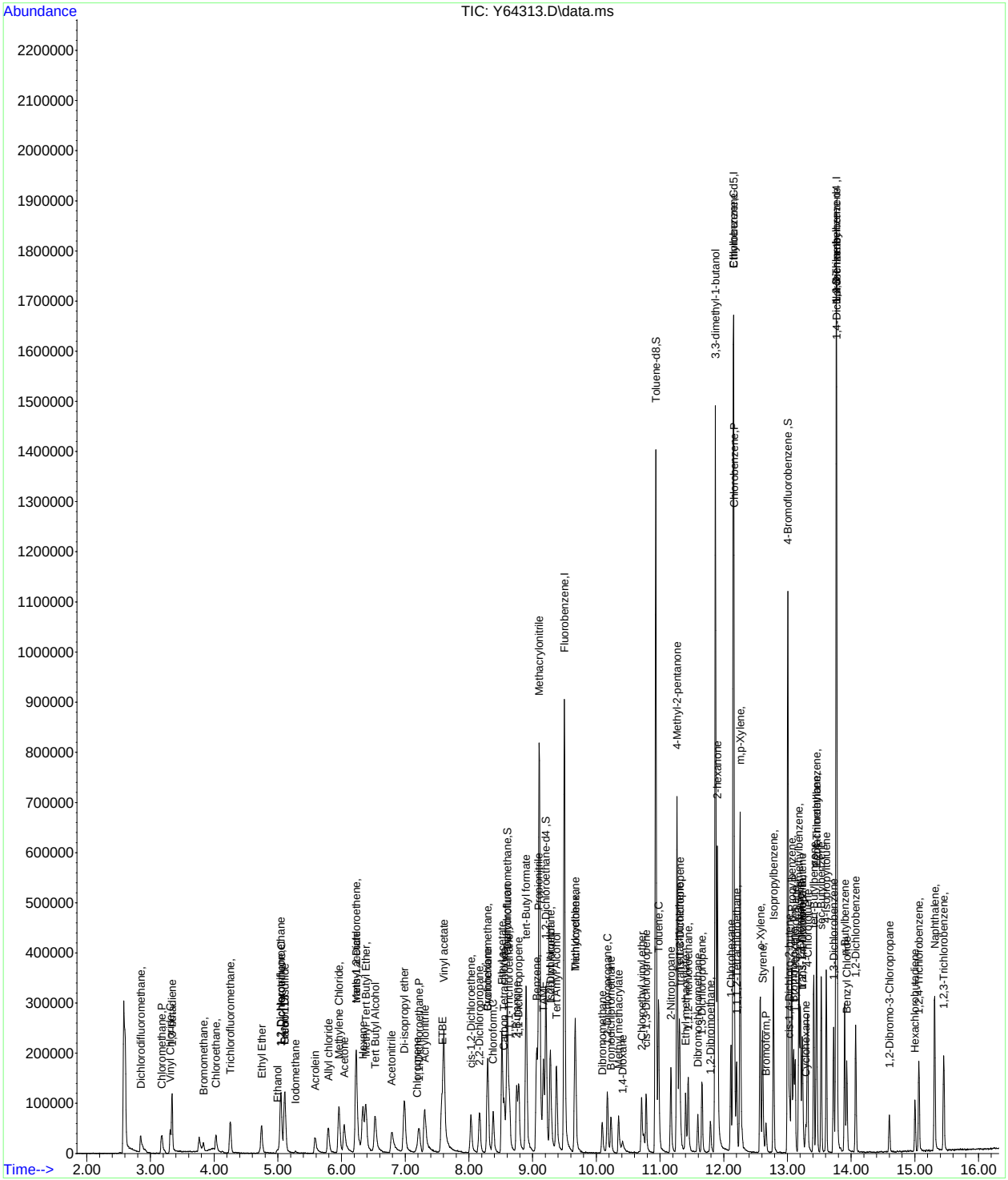
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Tert Amyl Alcohol	9.375	59	90666m	96.03 ug/L		
53) Trichloroethene	9.673	95	40706	11.86 ug/L		91
54) Methylcyclohexane	9.661	83	66857	10.73 ug/L		89
55) Dibromomethane	10.093	93	23204	11.60 ug/L		94
56) 1,2-Dichloropropane	10.172	63	38724	10.54 ug/L		96
57) Bromodichloromethane	10.227	83	40368	10.49 ug/L		91
58) Methyl methacrylate	10.349	41	38109	8.42 ug/L		91
59) 1,4-Dioxane	10.416	88	15640	142.52 ug/L		86
60) 2-Chloroethyl vinyl ether	10.708	63	45155	75.08 ug/L		95
61) cis-1,3-Dichloropropene	10.781	75	52342	10.20 ug/L		89
64) Toluene	10.975	91	175737	10.70 ug/L		98
65) 2-Nitropropane	11.170	41	79658	38.47 ug/L		99
66) 4-Methyl-2-pentanone	11.267	43	370863	46.33 ug/L		98
67) trans-1,3-Dichloropropene	11.316	75	48219	9.92 ug/L		88
68) Tetrachloroethene	11.304	166	43324	10.45 ug/L		94
69) Ethyl methacrylate	11.401	69	50220	8.90 ug/L		90
70) 1,1,2-Trichloroethane	11.438	83	30971	11.36 ug/L		86
71) Dibromochloromethane	11.596	129	31619	9.05 ug/L		95
72) 1,3-Dichloropropane	11.657	76	66841	11.08 ug/L		91
73) 1,2-Dibromoethane	11.791	107	37718	10.52 ug/L		93
74) 3,3-dimethyl-1-butanol	11.870	57	562258	338.71 ug/L		97
75) 2-hexanone	11.900	43	295265	47.42 ug/L		97
76) 1-Chlorohexane	12.113	91	52260	9.67 ug/L		92
77) Ethylbenzene	12.156	91	194644	10.16 ug/L		99
78) Chlorobenzene	12.168	112	108818	10.25 ug/L		91
79) 1,1,1,2-Tetrachloroethane	12.204	131	34394	9.37 ug/L		96
80) m,p-Xylene	12.259	91	296319	20.20 ug/L		94
81) o-Xylene	12.569	91	146000	10.16 ug/L		98
82) Styrene	12.612	104	101686	9.19 ug/L		96
83) Bromoform	12.667	173	20342	8.22 ug/L		97
84) Isopropylbenzene	12.782	105	183052	10.27 ug/L		99
87) cis-1,4-Dichloro-2-butene	13.032	53	15720	7.32 ug/L		97
88) n-Propylbenzene	13.068	91	215936	10.11 ug/L		100
89) Bromobenzene	13.098	156	43120	10.54 ug/L		87
90) 1,1,2,2-Tetrachloroethane	13.123	83	61094	10.78 ug/L		96
91) 1,3,5-Trimethylbenzene	13.178	105	152478	10.32 ug/L		99
92) 2-Chlorotoluene	13.202	91	141842	10.10 ug/L		98
93) trans-1,4-Dichloro-2-B...	13.238	53	15009	7.66 ug/L	#	35
94) 1,2,3-Trichloropropane	13.232	110	21202	11.05 ug/L		90
95) Cyclohexanone	13.287	55	17169	30.83 ug/L		93
96) 4-Chlorotoluene	13.317	91	128004	10.29 ug/L		97
97) tert-Butylbenzene	13.415	91	82314	9.96 ug/L		96
98) 1,2,4-Trimethylbenzene	13.457	105	142644	9.80 ug/L		96
99) Pentachloroethane	13.463	167	21079	9.07 ug/L		91
100) sec-Butylbenzene	13.530	105	179603	9.99 ug/L		98
101) 4-Isopropyltoluene	13.609	119	150524	9.60 ug/L		99
102) 1,3-Dichlorobenzene	13.725	146	77853	10.03 ug/L		98
103) 1,2,3-Trimethylbenzene	13.762	105	146400	10.15 ug/L		95
104) 1,4-Dichlorobenzene	13.780	146	81336	9.94 ug/L		92
105) n-Butylbenzene	13.902	92	68642	8.79 ug/L		97
106) Benzyl Chloride	13.932	126	20874	8.33 ug/L	#	84
107) 1,2-Dichlorobenzene	14.072	146	75689	10.01 ug/L		96
108) 1,2-Dibromo-3-Chloropr...	14.601	75	12974	8.36 ug/L		92
109) Hexachlorobutadiene	15.003	225	13265	7.41 ug/L		93
110) 1,2,4-Trichlorobenzene	15.063	180	45853	9.18 ug/L		93
111) Naphthalene	15.313	128	210950	9.85 ug/L		100
112) 1,2,3-Trichlorobenzene	15.453	180	47647	9.67 ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:47:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

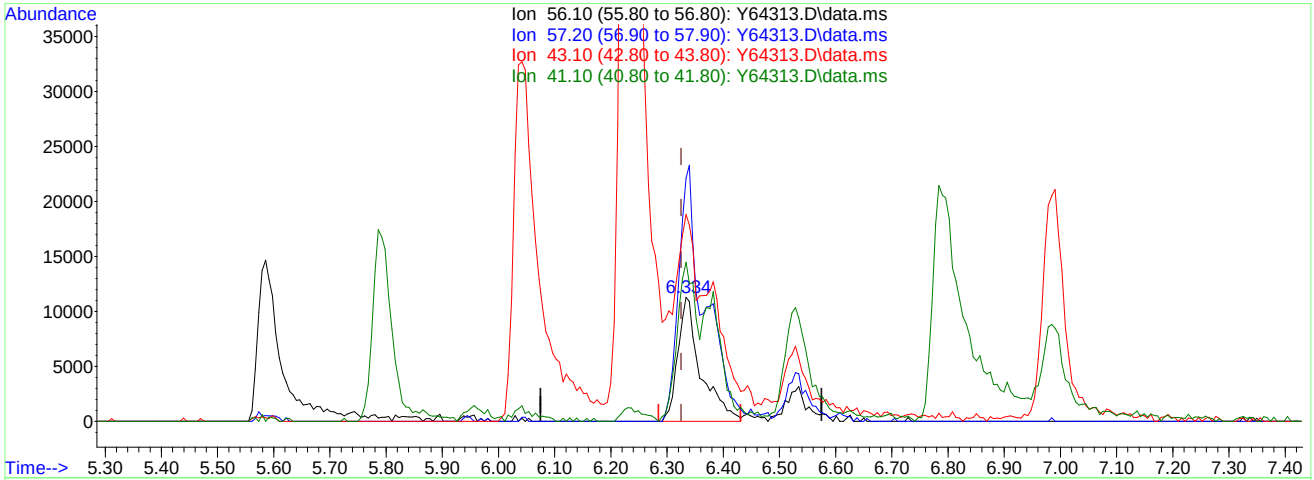
Sample Number: VY2666-IC2666
Lab FileID: Y64313.D
Injection Time: 08/29/22 13:54
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

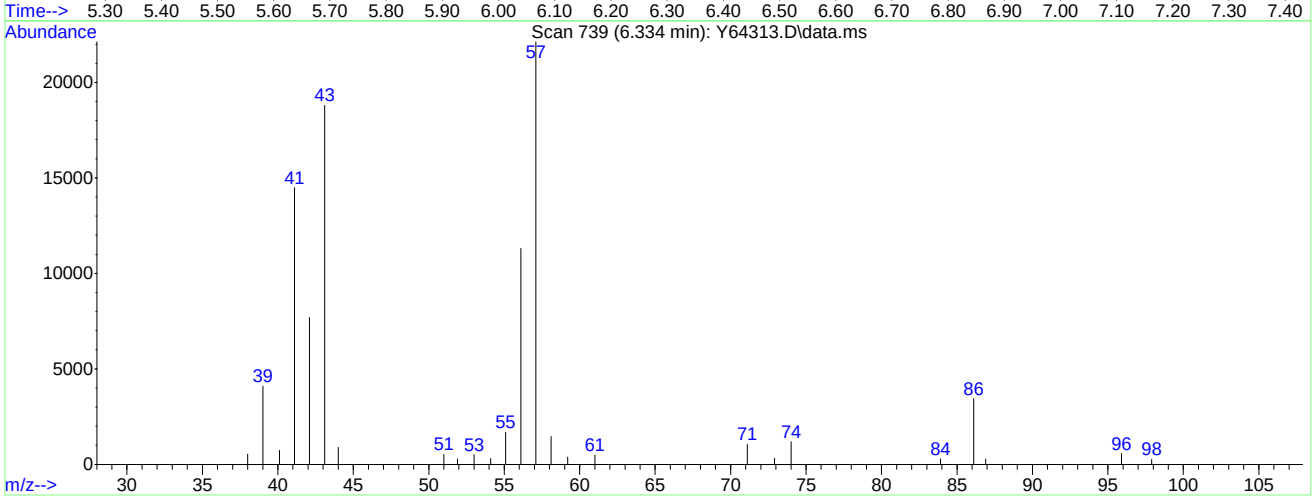
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:33:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64313.D\data.ms

(22) Hexane

6.334min (+0.009) 10.96ug/L

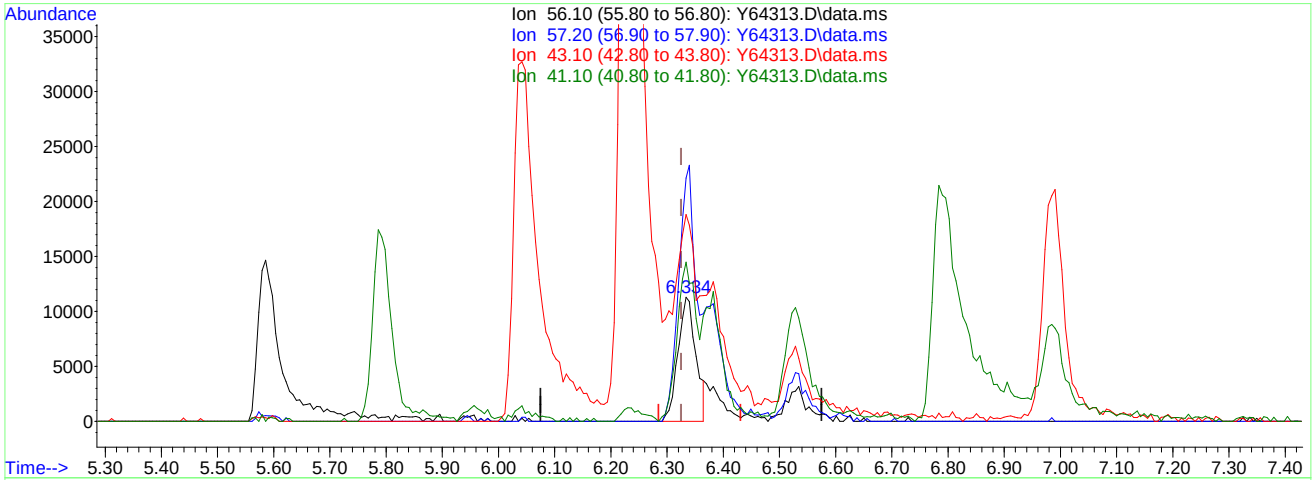
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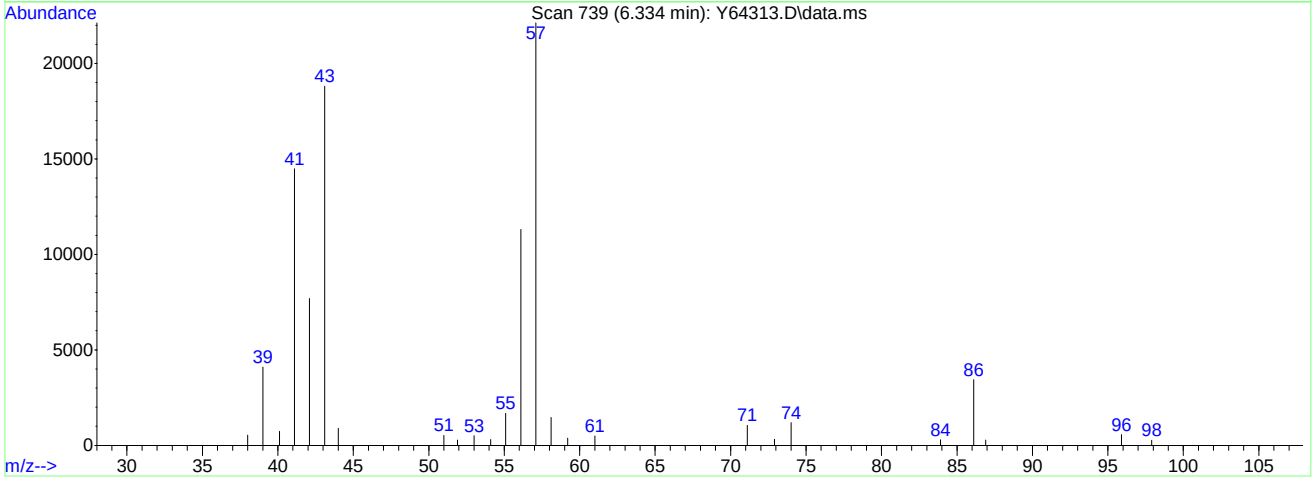
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	195.75
43.10	76.70	142.29#
41.10	144.30	128.13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:33:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64313.D\data.ms

(22) Hexane

6.334min (+0.009) 8.55ug/L m

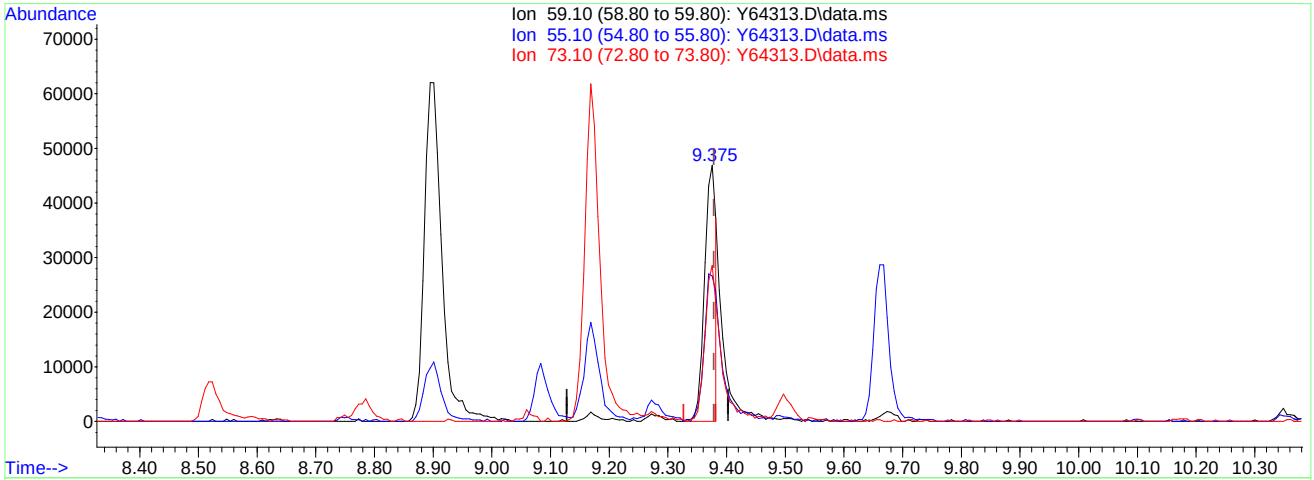
response 25075

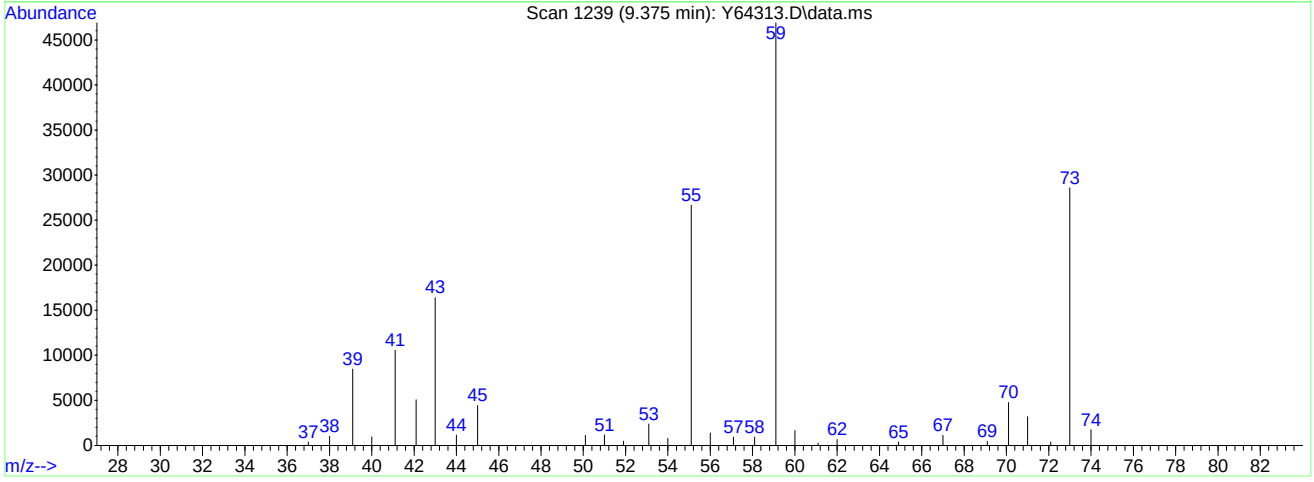
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	195.75
43.10	76.70	166.38#
41.10	144.30	128.13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:33:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64313.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 68.19ug/L

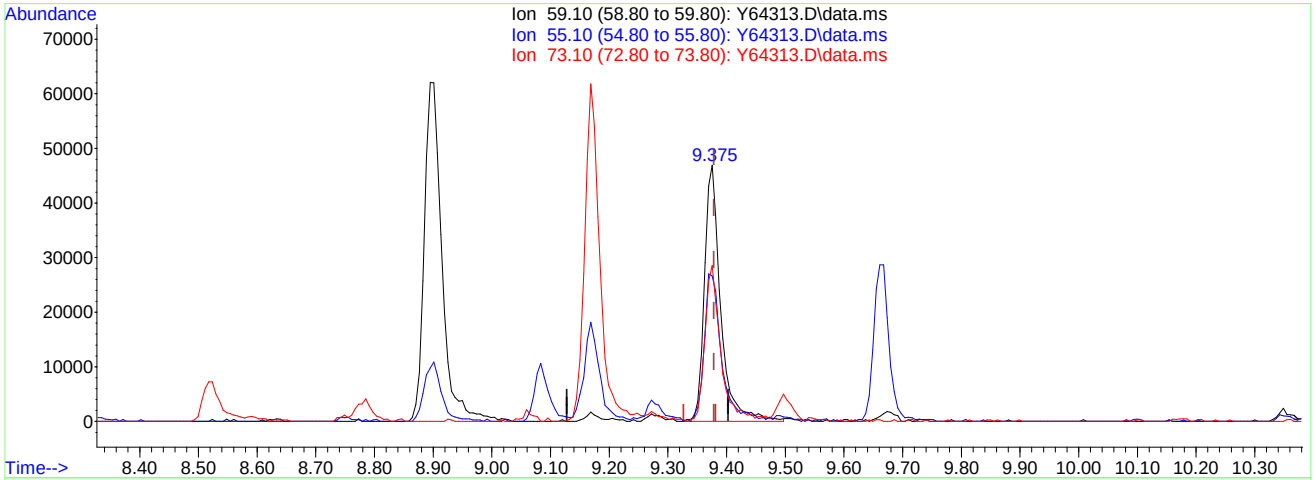
response 63629

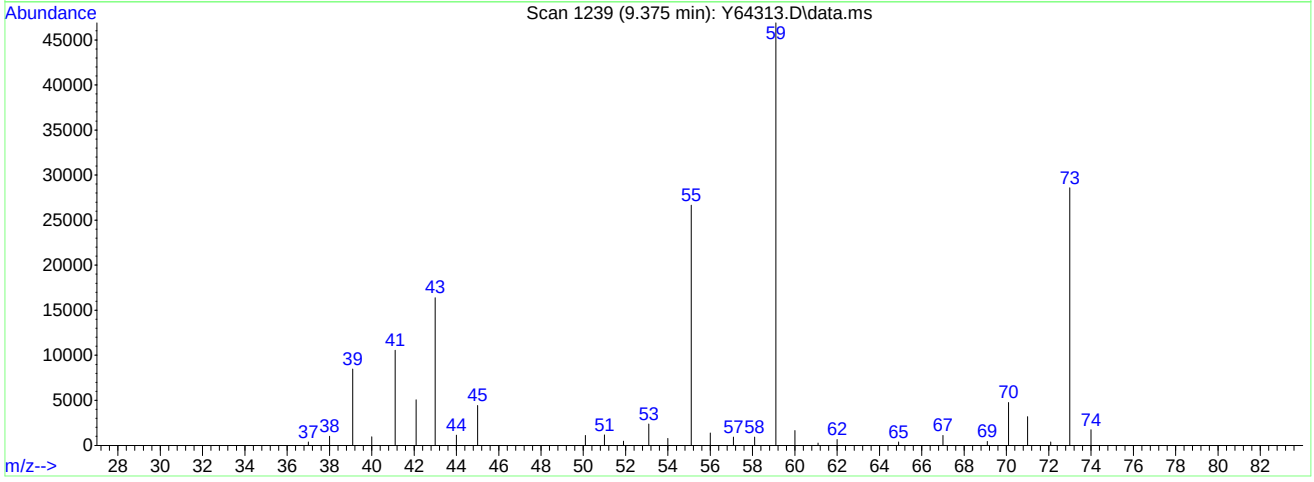
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	56.80
73.10	53.50	60.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:33:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64313.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 96.03ug/L m

response 90666

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	56.80
73.10	53.50	60.92
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:48:25 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.498	96	727825	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	595423	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	309430	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.604	113	164710	50.07	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.14%			
49) 1,2-Dichloroethane-d4	9.206	65	196823	48.17	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.34%			
63) Toluene-d8	10.934	98	734974	48.61	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.22%			
86) 4-Bromofluorobenzene	13.008	174	234972	49.58	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.842	85	102247	32.79	ug/L	98
3) Acrolein	5.580	56	120900	103.86	ug/L	98
4) Chloromethane	3.177	50	108387	23.55	ug/L	98
5) 1,3-butadiene	3.341	39	109341	28.51	ug/L	97
6) Vinyl Chloride	3.311	62	117493	26.28	ug/L	98
7) Bromomethane	3.828	94	22348	25.13	ug/L	90
8) Chloroethane	4.029	64	56026	45.89	ug/L	99
9) Trichlorofluoromethane	4.248	101	129957	25.85	ug/L	97
10) Ethyl Ether	4.747	59	77500	24.98	ug/L	99
11) Ethanol	4.990	45	40392	300.95	ug/L	94
12) 1,2-Dichlorotrifluoroe...	5.039	67	87190	28.19	ug/L	99
13) 1,1-Dichloroethene	5.051	61	120166	26.14	ug/L	99
14) Freon 113	5.112	101	82554	27.21	ug/L	93
15) Carbon Disulfide	5.099	76	224149	24.71	ug/L	94
16) Iodomethane	5.276	142	15129	10.17	ug/L	94
17) Allyl chloride	5.793	41	115547	22.81	ug/L	94
18) Methylene Chloride	5.957	49	157095	29.66	ug/L	93
19) Acetone	6.036	43	260742	106.25	ug/L	94
20) Methyl acetate	6.231	43	577243	118.24	ug/L	97
21) trans-1,2-Dichloroethene	6.219	61	119232	25.16	ug/L	97
22) Hexane	6.334	56	69113m	23.59	ug/L	
23) Methyl Tert Butyl Ether	6.377	73	265704	28.82	ug/L	66
24) Tert Butyl Alcohol	6.529	59	287108	182.19	ug/L	97
25) Acetonitrile	6.785	41	225762	223.17	ug/L	95
26) Di-isopropyl ether	6.985	45	289832	25.14	ug/L	98
27) Chloroprene	7.180	53	23073	4.59	ug/L	94
28) 1,1-Dichloroethane	7.216	63	159341	26.49	ug/L	94
29) Acrylonitrile	7.296	53	346351	142.96	ug/L	100
30) ETBE	7.575	59	286925	26.21	ug/L	98
31) Vinyl acetate	7.600	43	1274082	132.57	ug/L	100
32) cis-1,2-Dichloroethene	8.032	96	97492	26.43	ug/L	97
33) 2,2-Dichloropropane	8.166	77	130619	27.16	ug/L	98
34) Bromochloromethane	8.293	128	46127	27.67	ug/L	95
35) Cyclohexane	8.293	56	176372	25.78	ug/L	96
36) Chloroform	8.378	83	158711	29.52	ug/L	96
37) Ethyl acetate	8.512	43	965056	138.82	ug/L	99
38) Tetrahydrofuran	8.585	42	68640	23.77	ug/L	95
40) Carbon Tetrachloride	8.555	117	107811	26.42	ug/L	98
41) 1,1,1-Trichloroethane	8.634	97	134834	27.68	ug/L	98
42) 2-Butanone	8.743	43	460313	115.60	ug/L	98
43) 1,1-Dichloropropene	8.780	75	127822	27.86	ug/L	92
44) tert-Butyl formate	8.896	59	395387	134.90	ug/L	98
45) Propionitrile	9.084	54	293669	228.17	ug/L	90
46) Methacrylonitrile	9.102	41	952218	228.20	ug/L	98
47) Benzene	9.060	78	405618	28.40	ug/L	97
48) TAME	9.169	73	278382	29.42	ug/L	92
50) Isobutyl Alcohol	9.273	42	154045	411.11	ug/L	97
51) 1,2-Dichloroethane	9.285	62	125004	26.24	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:48:25 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

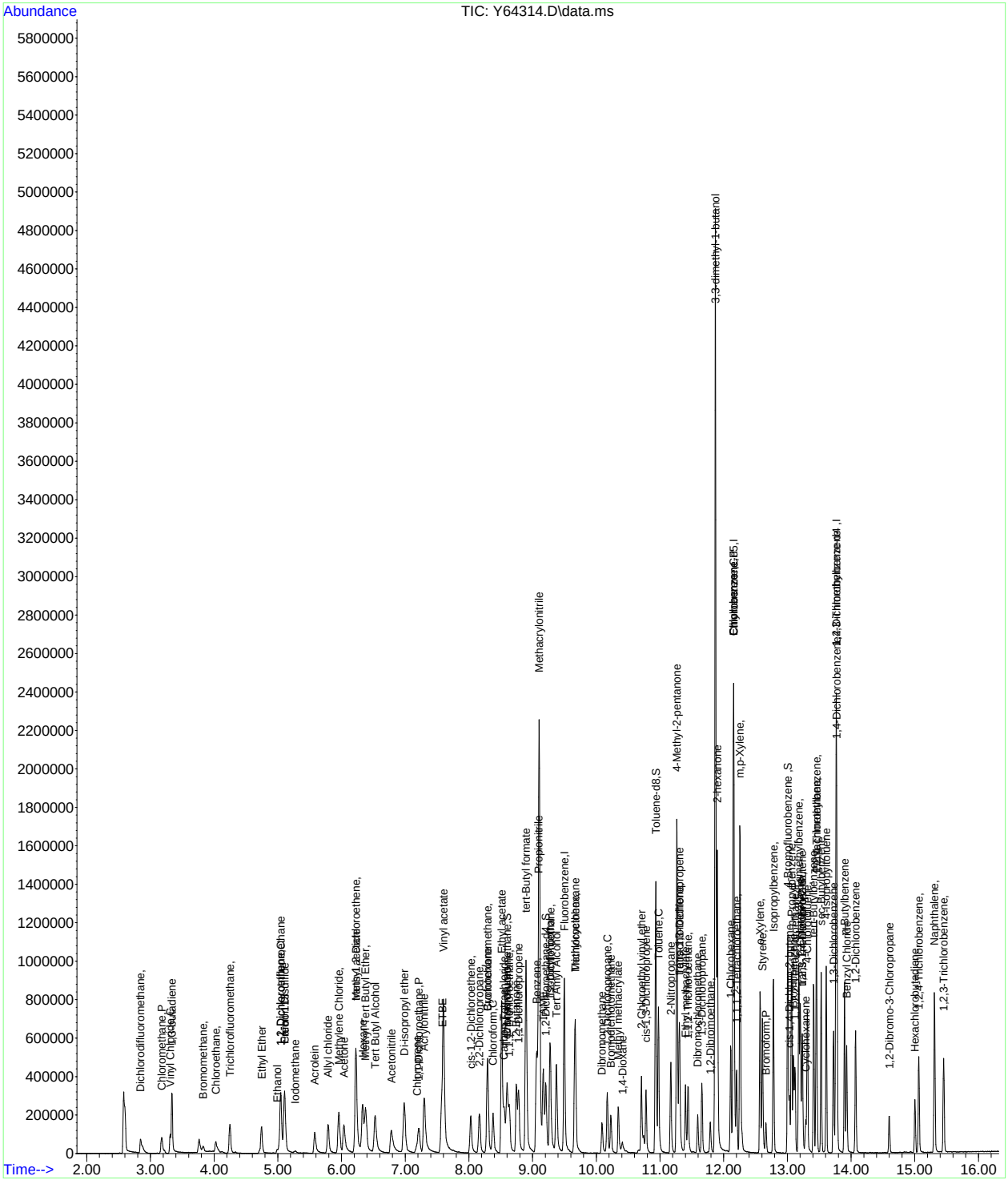
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	9.376	59	242528m	237.36	ug/L		
53) Trichloroethene	9.674	95	99247	28.32	ug/L		97
54) Methylcyclohexane	9.662	83	175344	27.47	ug/L		95
55) Dibromomethane	10.088	93	54840	26.78	ug/L		96
56) 1,2-Dichloropropane	10.173	63	97291	25.88	ug/L		93
57) Bromodichloromethane	10.228	83	103453	25.98	ug/L		96
58) Methyl methacrylate	10.343	41	110468	23.22	ug/L		95
59) 1,4-Dioxane	10.410	88	40853	364.68	ug/L		90
60) 2-Chloroethyl vinyl ether	10.708	63	138516	208.57	ug/L		97
61) cis-1,3-Dichloropropene	10.781	75	140524	26.43	ug/L		93
64) Toluene	10.976	91	437942	26.37	ug/L		97
65) 2-Nitropropane	11.171	41	217374	101.57	ug/L		98
66) 4-Methyl-2-pentanone	11.262	43	910852	112.56	ug/L		99
67) trans-1,3-Dichloropropene	11.311	75	119985	24.12	ug/L	#	74
68) Tetrachloroethene	11.305	166	108537	25.89	ug/L		96
69) Ethyl methacrylate	11.402	69	148020	25.26	ug/L		88
70) 1,1,2-Trichloroethane	11.445	83	75949	27.55	ug/L		94
71) Dibromochloromethane	11.591	129	84159	23.69	ug/L		99
72) 1,3-Dichloropropane	11.657	76	163888	26.87	ug/L		94
73) 1,2-Dibromoethane	11.791	107	92002	25.30	ug/L		99
74) 3,3-dimethyl-1-butanol	11.870	57	1728188	1011.98	ug/L		98
75) 2-hexanone	11.901	43	713486	105.58	ug/L		95
76) 1-Chlorohexane	12.114	91	137275	24.93	ug/L		87
77) Ethylbenzene	12.156	91	485801	25.08	ug/L		97
78) Chlorobenzene	12.162	112	266591	24.85	ug/L		98
79) 1,1,1,2-Tetrachloroethane	12.205	131	88350	23.69	ug/L		98
80) m,p-Xylene	12.254	91	752208	50.71	ug/L		99
81) o-Xylene	12.570	91	365669	25.16	ug/L		100
82) Styrene	12.606	104	274620	24.09	ug/L		97
83) Bromoform	12.661	173	53126	20.81	ug/L		98
84) Isopropylbenzene	12.783	105	465596	25.85	ug/L		99
87) cis-1,4-Dichloro-2-butene	13.032	53	44276	19.87	ug/L		92
88) n-Propylbenzene	13.063	91	572136	25.83	ug/L		98
89) Bromobenzene	13.099	156	108448	25.57	ug/L		85
90) 1,1,2,2-Tetrachloroethane	13.117	83	150375	25.59	ug/L		97
91) 1,3,5-Trimethylbenzene	13.178	105	394643	25.77	ug/L		97
92) 2-Chlorotoluene	13.203	91	361894	24.85	ug/L		100
93) trans-1,4-Dichloro-2-B...	13.239	53	41198	19.82	ug/L	#	58
94) 1,2,3-Trichloropropane	13.233	110	51059	25.66	ug/L		95
95) Cyclohexanone	13.288	55	53071	91.92	ug/L		96
96) 4-Chlorotoluene	13.312	91	319410	24.77	ug/L		98
97) tert-Butylbenzene	13.416	91	206747	24.12	ug/L		92
98) 1,2,4-Trimethylbenzene	13.452	105	380202	25.19	ug/L		99
99) Pentachloroethane	13.464	167	57028	23.67	ug/L		96
100) sec-Butylbenzene	13.531	105	465002	24.95	ug/L		99
101) 4-Isopropyltoluene	13.610	119	390280	24.00	ug/L		98
102) 1,3-Dichlorobenzene	13.726	146	198161	24.62	ug/L		97
103) 1,2,3-Trimethylbenzene	13.762	105	373125	24.96	ug/L		98
104) 1,4-Dichlorobenzene	13.781	146	205256	24.19	ug/L		94
105) n-Butylbenzene	13.896	92	194521	23.41	ug/L		99
106) Benzyl Chloride	13.933	126	64363	23.93	ug/L		98
107) 1,2-Dichlorobenzene	14.073	146	194306	24.79	ug/L		98
108) 1,2-Dibromo-3-Chloropr...	14.596	75	34094	21.18	ug/L		97
109) Hexachlorobutadiene	15.003	225	36393	19.39	ug/L		94
110) 1,2,4-Trichlorobenzene	15.064	180	123771	23.91	ug/L		98
111) Naphthalene	15.308	128	539708	24.32	ug/L		100
112) 1,2,3-Trichlorobenzene	15.454	180	124089	24.28	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:48:25 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

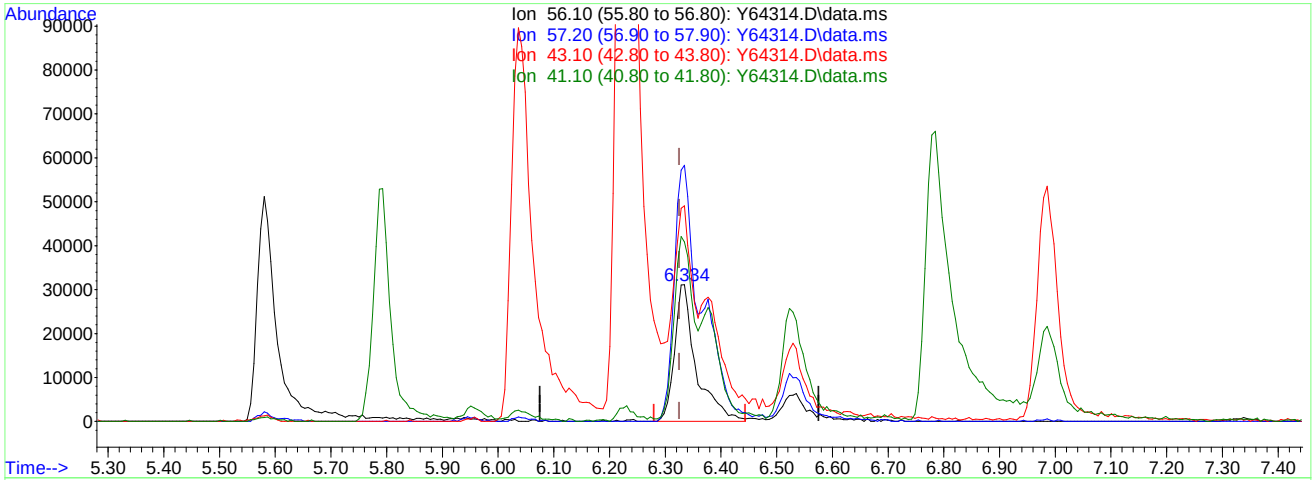
Sample Number: VY2666-IC2666
Lab FileID: Y64314.D
Injection Time: 08/29/22 14:19
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

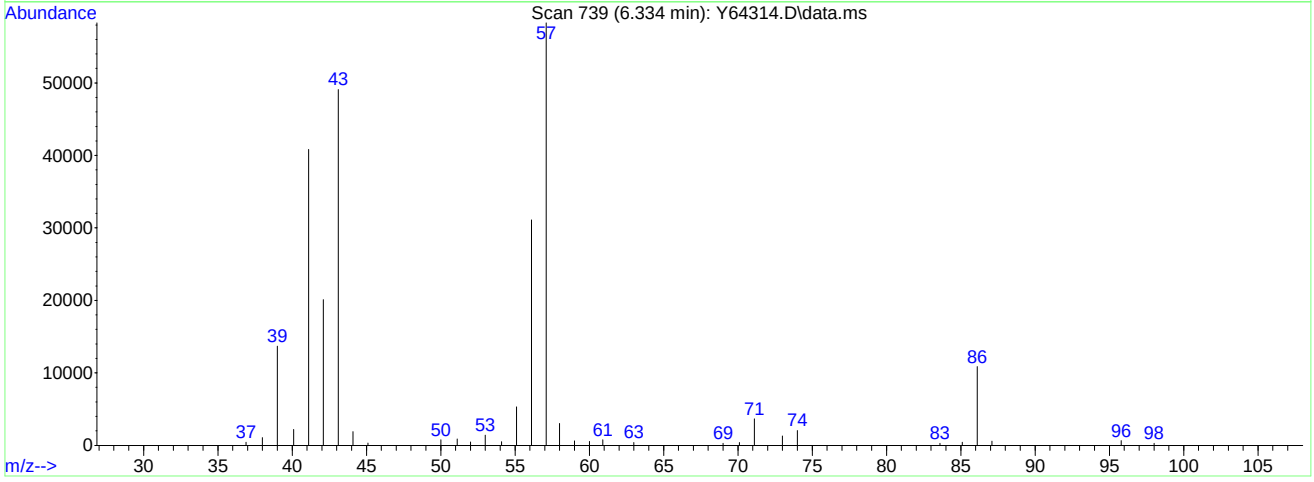
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:33:50 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64314.D\data.ms

(22) Hexane

6.334min (+0.009) 29.00ug/L

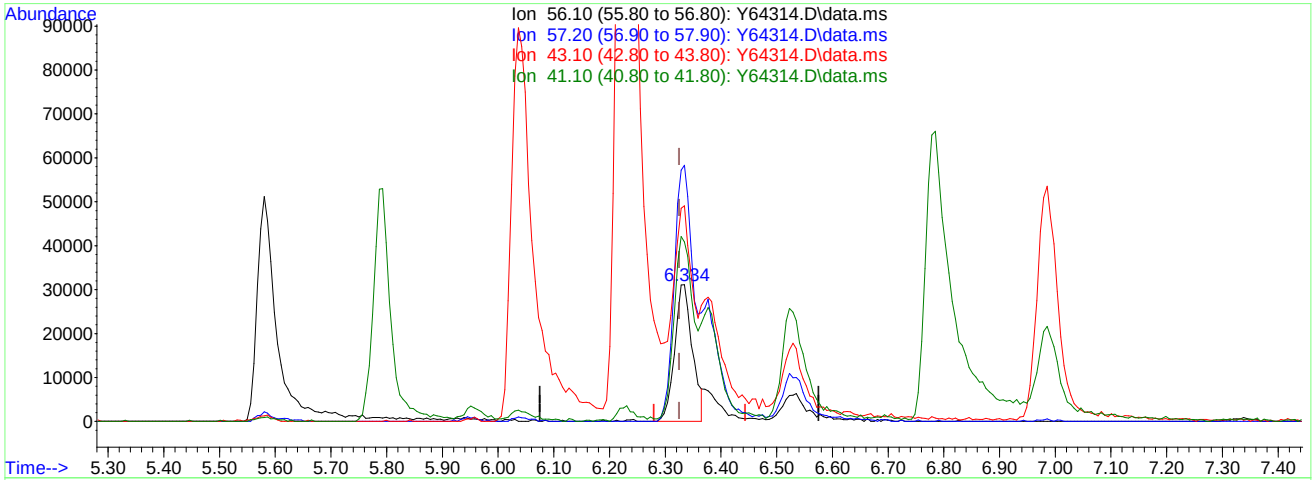
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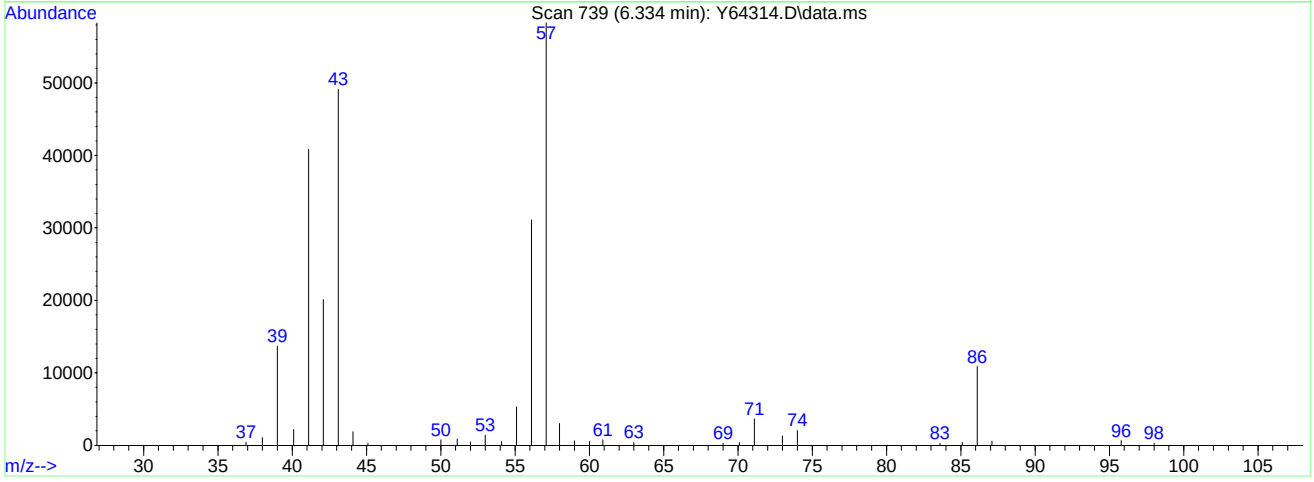
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	187.35
43.10	76.70	141.11#
41.10	144.30	129.40

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:33:50 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64314.D\data.ms

(22) Hexane

6.334min (+0.009) 23.59ug/L m

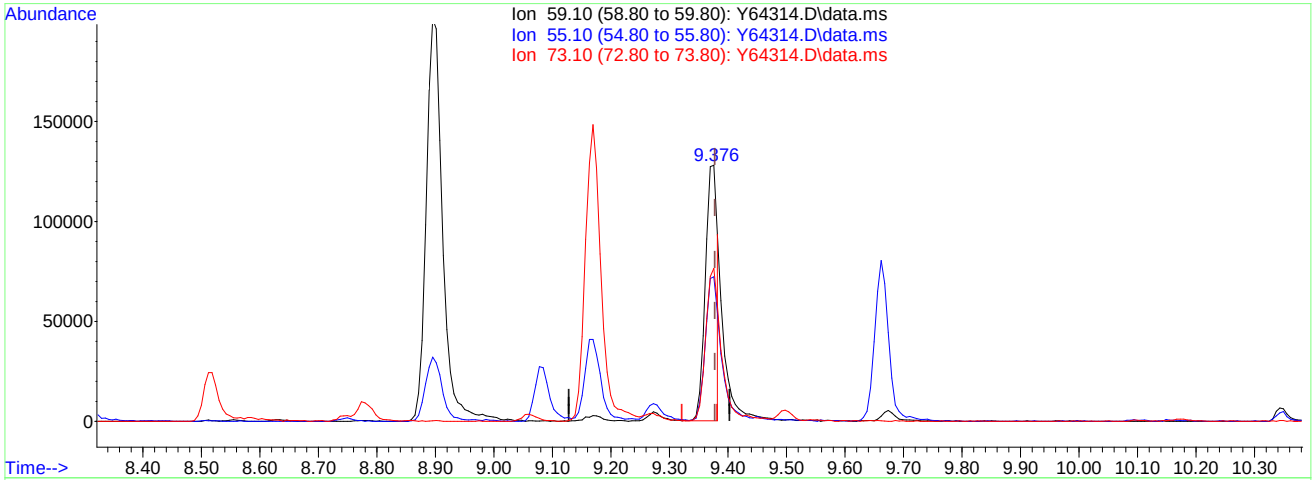
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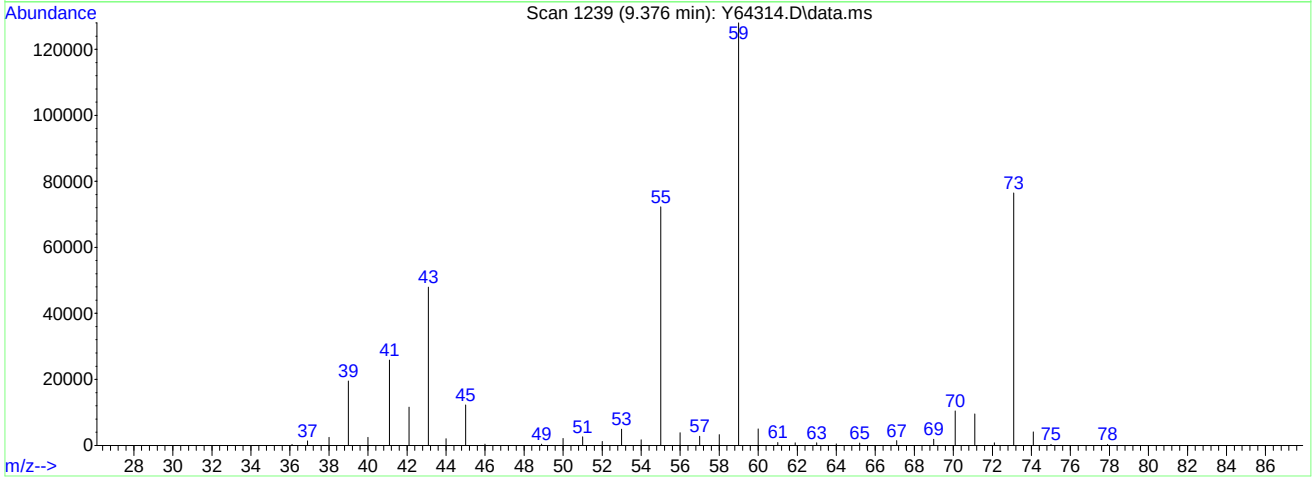
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	187.35
43.10	76.70	157.71#
41.10	144.30	131.23

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:33:50 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64314.D\data.ms

(52) Tert Amyl Alcohol

9.376min (-0.002) 182.38ug/L

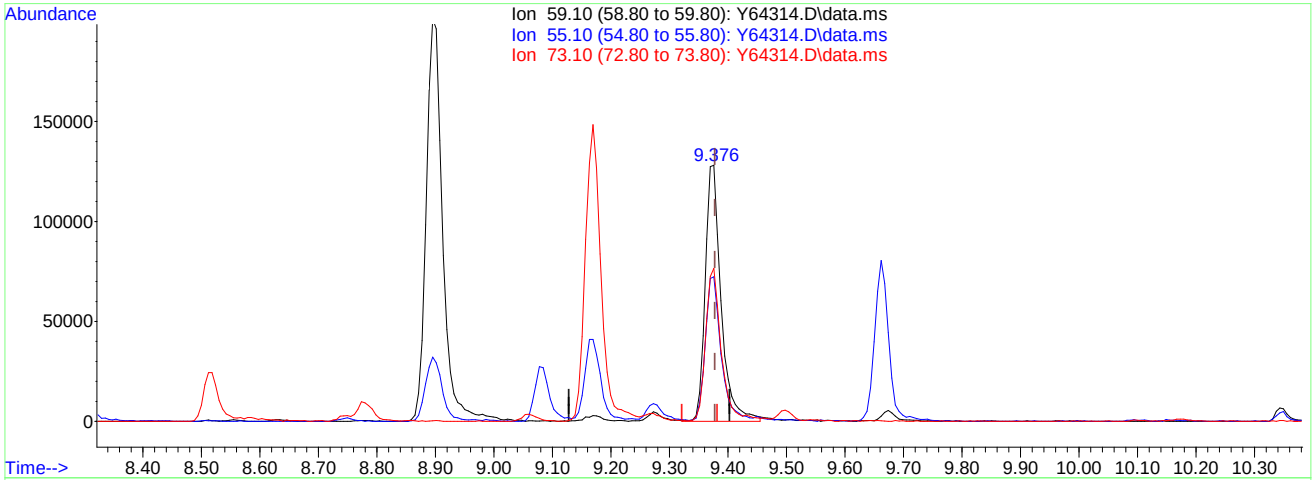
response 182260

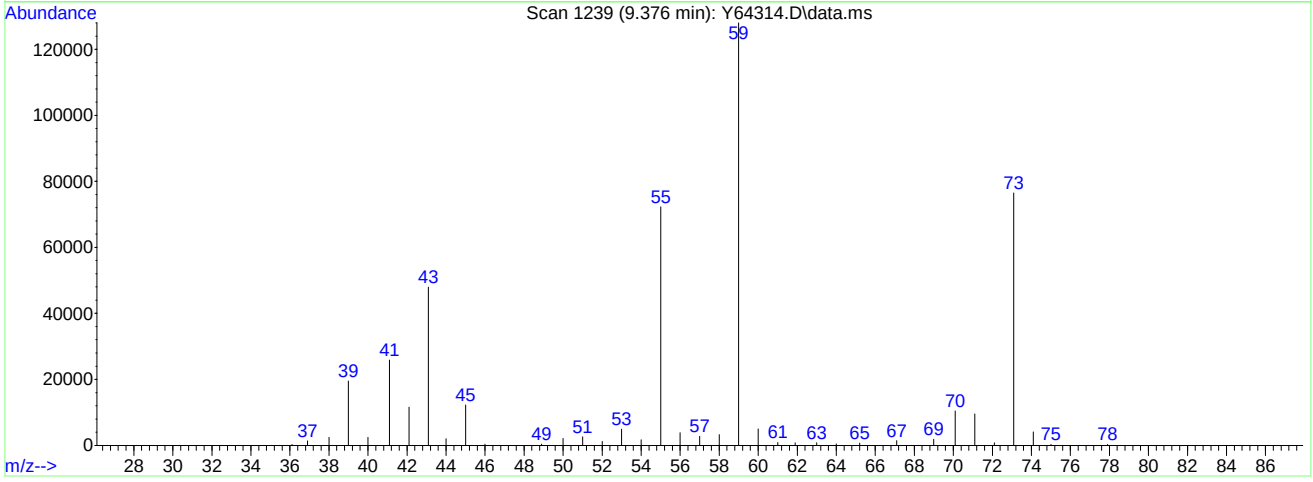
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	55.88
73.10	53.50	59.32
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:33:50 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64314.D\data.ms

(52) Tert Amyl Alcohol

9.376min (-0.002) 237.36ug/L m

response 242528

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	56.42
73.10	53.50	59.72
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:49:22 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	767973	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	617075	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	336296	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	173950	50.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.24%			
49) 1,2-Dichloroethane-d4	9.211	65	206771	47.96	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.92%			
63) Toluene-d8	10.932	98	770670	49.18	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.36%			
86) 4-Bromofluorobenzene	13.007	174	255223	49.55	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	171398	51.35	ug/L	98
3) Acrolein	5.579	56	236442	192.51	ug/L	96
4) Chloromethane	3.176	50	174411	35.92	ug/L	99
5) 1,3-butadiene	3.340	39	188315	48.22	ug/L	97
6) Vinyl Chloride	3.310	62	192998	40.92	ug/L	95
7) Bromomethane	3.827	94	47290	48.22	ug/L	99
8) Chloroethane	4.028	64	72853	56.56	ug/L	97
9) Trichlorofluoromethane	4.241	101	223298	42.09	ug/L	99
10) Ethyl Ether	4.746	59	135375	41.36	ug/L	97
11) Ethanol	5.001	45	89698	618.59	ug/L	97
12) 1,2-Dichlorotrifluoroe...	5.044	67	149324	45.76	ug/L	97
13) 1,1-Dichloroethene	5.050	61	204219	42.10	ug/L	96
14) Freon 113	5.104	101	143409	44.77	ug/L	94
15) Carbon Disulfide	5.098	76	399762	41.76	ug/L	97
16) Iodomethane	5.281	142	37319	23.77	ug/L	92
17) Allyl chloride	5.792	41	214194	40.07	ug/L	94
18) Methylene Chloride	5.956	49	245918	44.00	ug/L	90
19) Acetone	6.041	43	414543	160.09	ug/L	99
20) Methyl acetate	6.230	43	1007115	191.71	ug/L	97
21) trans-1,2-Dichloroethene	6.218	61	205080	40.81	ug/L	96
22) Hexane	6.333	56	122650m	40.70	ug/L	
23) Methyl Tert Butyl Ether	6.376	73	465899	47.89	ug/L	91
24) Tert Butyl Alcohol	6.534	59	512606	308.27	ug/L	99
25) Acetonitrile	6.784	41	418817	382.39	ug/L	99
26) Di-isopropyl ether	6.984	45	501786	41.26	ug/L	99
27) Chloroprene	7.179	53	41756	7.87	ug/L	94
28) 1,1-Dichloroethane	7.215	63	261937	41.27	ug/L	98
29) Acrylonitrile	7.301	53	503708	193.25	ug/L	99
30) ETBE	7.574	59	483002	41.82	ug/L	98
31) Vinyl acetate	7.599	43	2004703	193.79	ug/L	99
32) cis-1,2-Dichloroethene	8.031	96	166967	43.04	ug/L	95
33) 2,2-Dichloropropane	8.164	77	227473	44.83	ug/L	99
34) Bromochloromethane	8.292	128	76749	44.00	ug/L	92
35) Cyclohexane	8.292	56	306895	42.54	ug/L	95
36) Chloroform	8.377	83	265841	46.85	ug/L	96
37) Ethyl acetate	8.511	43	1432650	195.31	ug/L	99
38) Tetrahydrofuran	8.590	42	112259	36.84	ug/L	94
40) Carbon Tetrachloride	8.554	117	185038	42.97	ug/L	98
41) 1,1,1-Trichloroethane	8.633	97	230105	44.76	ug/L	99
42) 2-Butanone	8.742	43	733722	174.63	ug/L	98
43) 1,1-Dichloropropene	8.779	75	214701	44.06	ug/L	92
44) tert-Butyl formate	8.901	59	765340	247.48	ug/L	98
45) Propionitrile	9.083	54	529091	389.60	ug/L	98
46) Methacrylonitrile	9.107	41	1736773	394.46	ug/L	100
47) Benzene	9.059	78	674847	44.78	ug/L	97
48) TAME	9.168	73	470604	46.36	ug/L	92
50) Isobutyl Alcohol	9.272	42	304128	725.98	ug/L	97
51) 1,2-Dichloroethane	9.278	62	208864	41.56	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:49:22 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

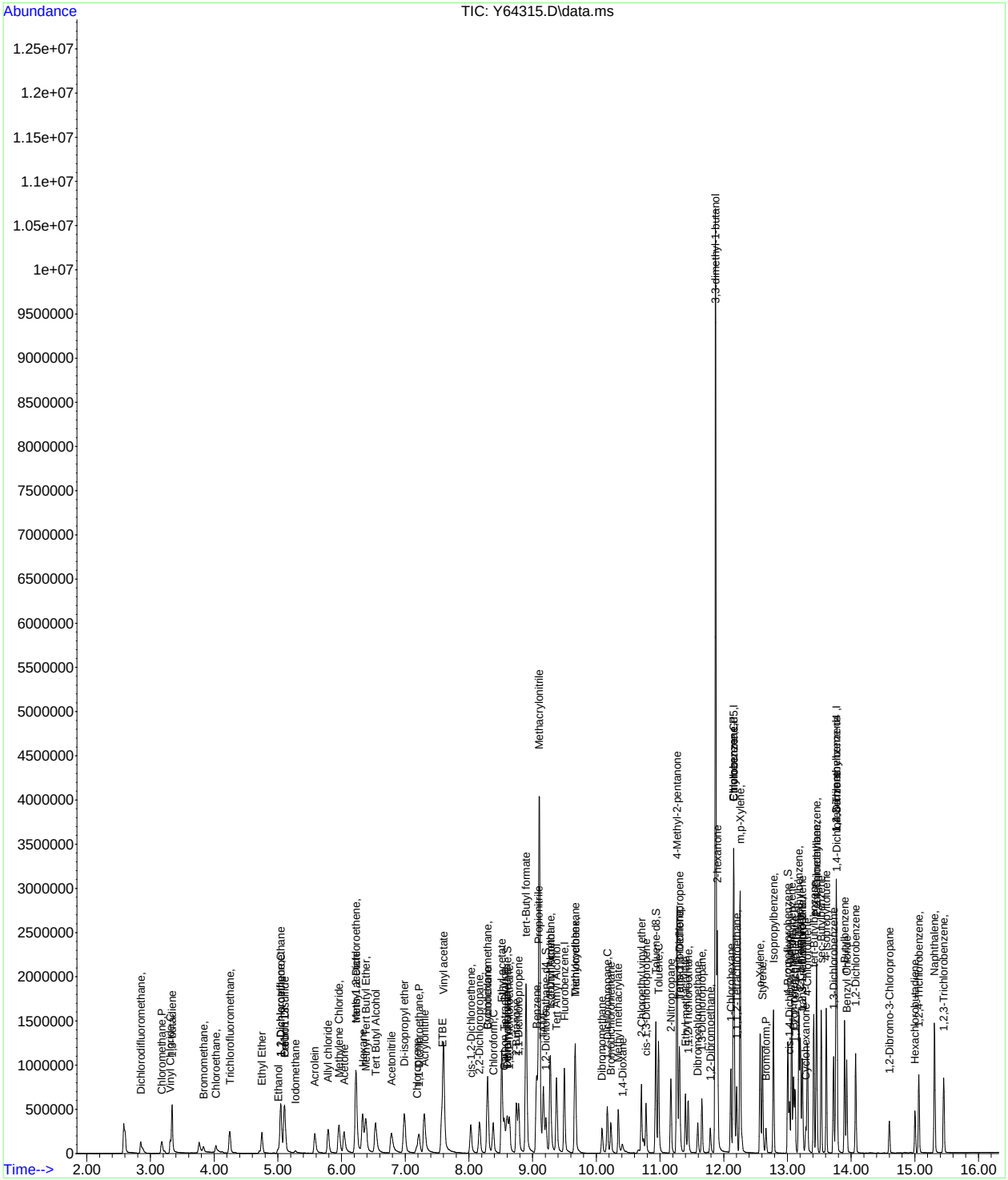
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Tert Amyl Alcohol	9.375	59	434506m	381.16 ug/L		
53) Trichloroethene	9.673	95	166907	45.13 ug/L		98
54) Methylcyclohexane	9.661	83	307047	45.43 ug/L		91
55) Dibromomethane	10.087	93	93888	43.33 ug/L		95
56) 1,2-Dichloropropane	10.172	63	164096	41.27 ug/L		96
57) Bromodichloromethane	10.227	83	182872	42.90 ug/L		96
58) Methyl methacrylate	10.342	41	211580	40.77 ug/L		96
59) 1,4-Dioxane	10.409	88	76872	650.66 ug/L		91
60) 2-Chloroethyl vinyl ether	10.707	63	260123	344.76 ug/L		96
61) cis-1,3-Dichloropropene	10.780	75	242280	42.57 ug/L		92
64) Toluene	10.975	91	727818	42.29 ug/L		99
65) 2-Nitropropane	11.170	41	383462	168.92 ug/L		99
66) 4-Methyl-2-pentanone	11.267	43	1441830	171.93 ug/L		99
67) trans-1,3-Dichloropropene	11.310	75	211479	40.45 ug/L	#	75
68) Tetrachloroethene	11.304	166	183069	42.14 ug/L		97
69) Ethyl methacrylate	11.401	69	275741	44.04 ug/L		89
70) 1,1,2-Trichloroethane	11.443	83	128472	44.97 ug/L		95
71) Dibromochloromethane	11.596	129	144814	39.10 ug/L		98
72) 1,3-Dichloropropane	11.656	76	275562	43.60 ug/L		94
73) 1,2-Dibromoethane	11.790	107	160507	42.42 ug/L		96
74) 3,3-dimethyl-1-butanol	11.869	57	3616133	1992.91 ug/L		98
75) 2-hexanone	11.900	43	1168681	157.31 ug/L		96
76) 1-Chlorohexane	12.113	91	242177	42.07 ug/L		88
77) Ethylbenzene	12.155	91	814885	40.59 ug/L		98
78) Chlorobenzene	12.161	112	454890	40.91 ug/L		97
79) 1,1,1,2-Tetrachloroethane	12.204	131	147400	37.95 ug/L		98
80) m,p-Xylene	12.259	91	1275170	82.95 ug/L		97
81) o-Xylene	12.575	91	619105	41.11 ug/L		99
82) Styrene	12.611	104	476288	39.52 ug/L		96
83) Bromoform	12.666	173	99856	36.83 ug/L		98
84) Isopropylbenzene	12.782	105	792992	42.48 ug/L		98
87) cis-1,4-Dichloro-2-butene	13.031	53	87151	35.99 ug/L		92
88) n-Propylbenzene	13.068	91	960328	39.89 ug/L		99
89) Bromobenzene	13.098	156	191372	41.52 ug/L	#	76
90) 1,1,2,2-Tetrachloroethane	13.123	83	252637	39.56 ug/L		99
91) 1,3,5-Trimethylbenzene	13.177	105	655052	39.36 ug/L		98
92) 2-Chlorotoluene	13.202	91	614419	38.82 ug/L		99
93) trans-1,4-Dichloro-2-B...	13.238	53	73557	31.84 ug/L	#	55
94) 1,2,3-Trichloropropane	13.232	110	86516	40.01 ug/L		93
95) Cyclohexanone	13.287	55	91173	145.30 ug/L		94
96) 4-Chlorotoluene	13.311	91	538383	38.41 ug/L		100
97) tert-Butylbenzene	13.415	91	362311	38.89 ug/L		96
98) 1,2,4-Trimethylbenzene	13.457	105	640763	39.07 ug/L		97
99) Pentachloroethane	13.463	167	110023	42.02 ug/L		96
100) sec-Butylbenzene	13.530	105	804215	39.70 ug/L		98
101) 4-Isopropyltoluene	13.609	119	667241	37.76 ug/L		99
102) 1,3-Dichlorobenzene	13.725	146	333905	38.17 ug/L		98
103) 1,2,3-Trimethylbenzene	13.761	105	639309	39.34 ug/L		97
104) 1,4-Dichlorobenzene	13.780	146	350296	37.99 ug/L		96
105) n-Butylbenzene	13.895	92	330382	35.83 ug/L		98
106) Benzyl Chloride	13.932	126	115817	38.40 ug/L		95
107) 1,2-Dichlorobenzene	14.072	146	327874	38.48 ug/L		97
108) 1,2-Dibromo-3-Chloropr...	14.601	75	63913	36.52 ug/L		92
109) Hexachlorobutadiene	15.008	225	66567	32.25 ug/L		93
110) 1,2,4-Trichlorobenzene	15.063	180	217463	38.65 ug/L		98
111) Naphthalene	15.306	128	938421	38.90 ug/L		99
112) 1,2,3-Trichlorobenzene	15.452	180	213445	38.44 ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:49:22 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

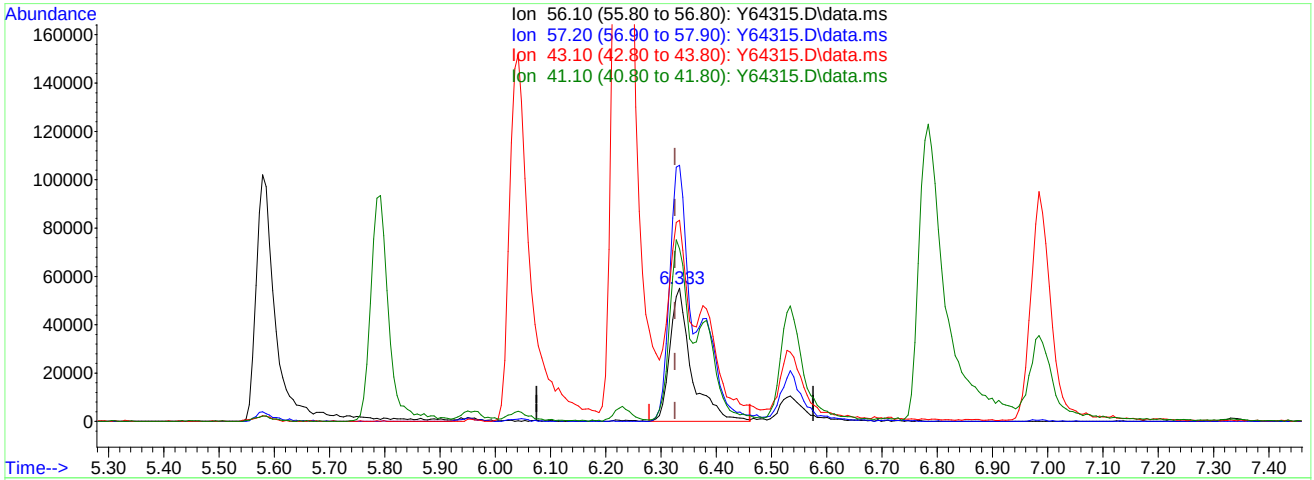
Sample Number: VY2666-ICC2666
Lab FileID: Y64315.D
Injection Time: 08/29/22 14:44
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

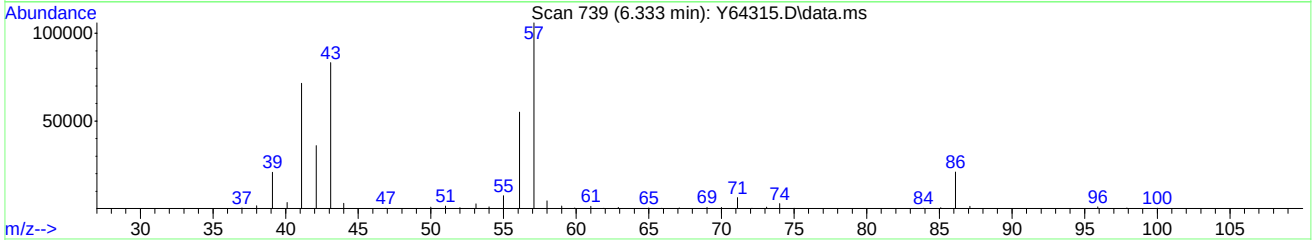
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

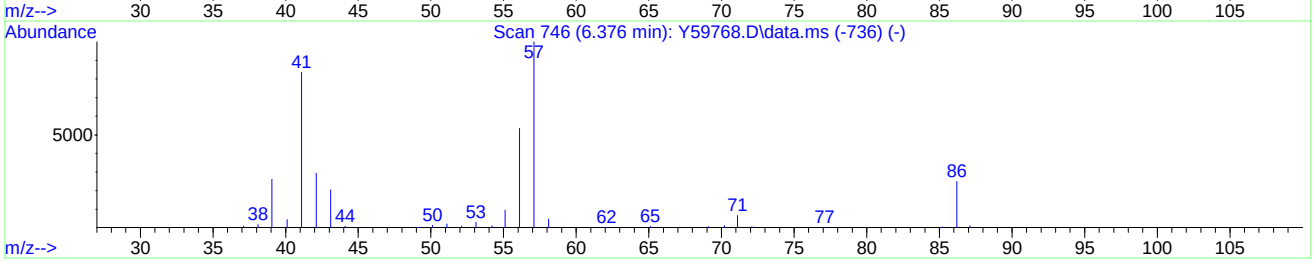
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:33:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64315.D\data.ms

(22) Hexane

6.333min (+0.008) 50.56ug/L

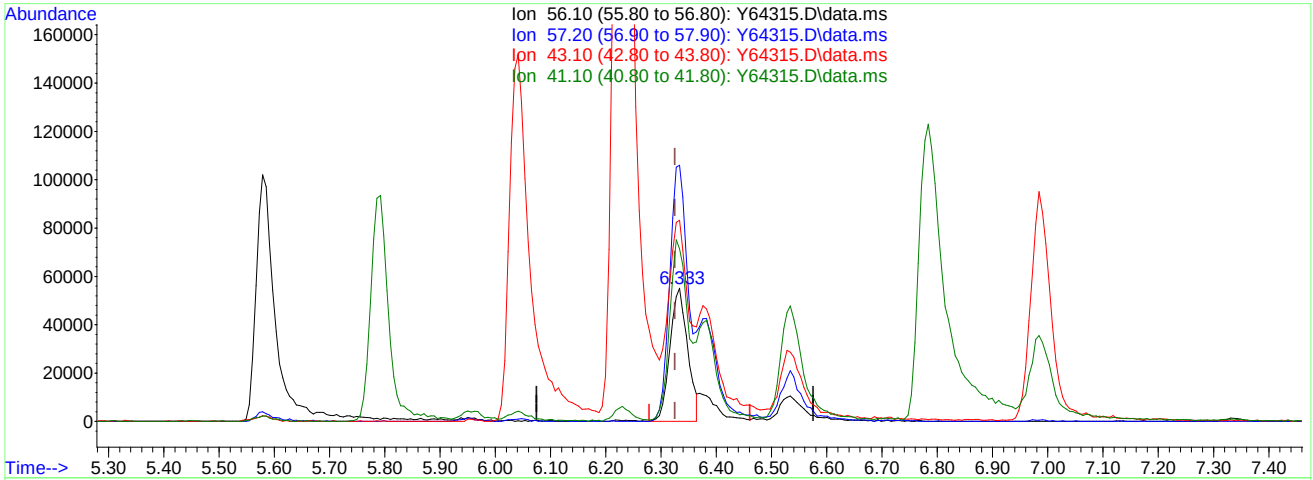
response 150108

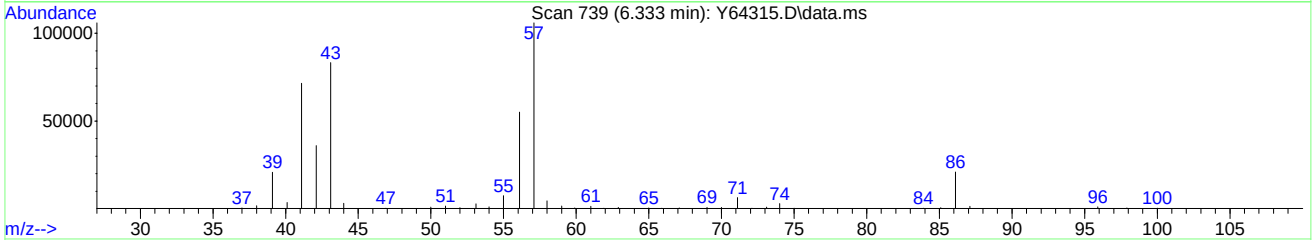
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	191.41
43.10	76.70	138.92#
41.10	144.30	128.62

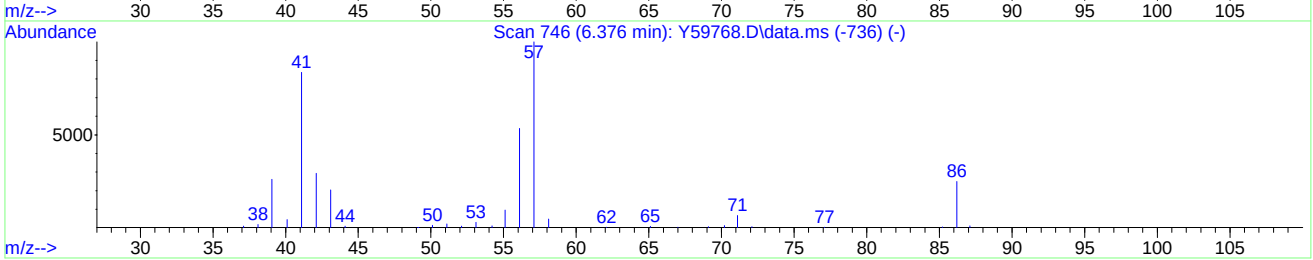
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:33:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64315.D\data.ms

(22) Hexane

6.333min (+0.008) 40.70ug/L m

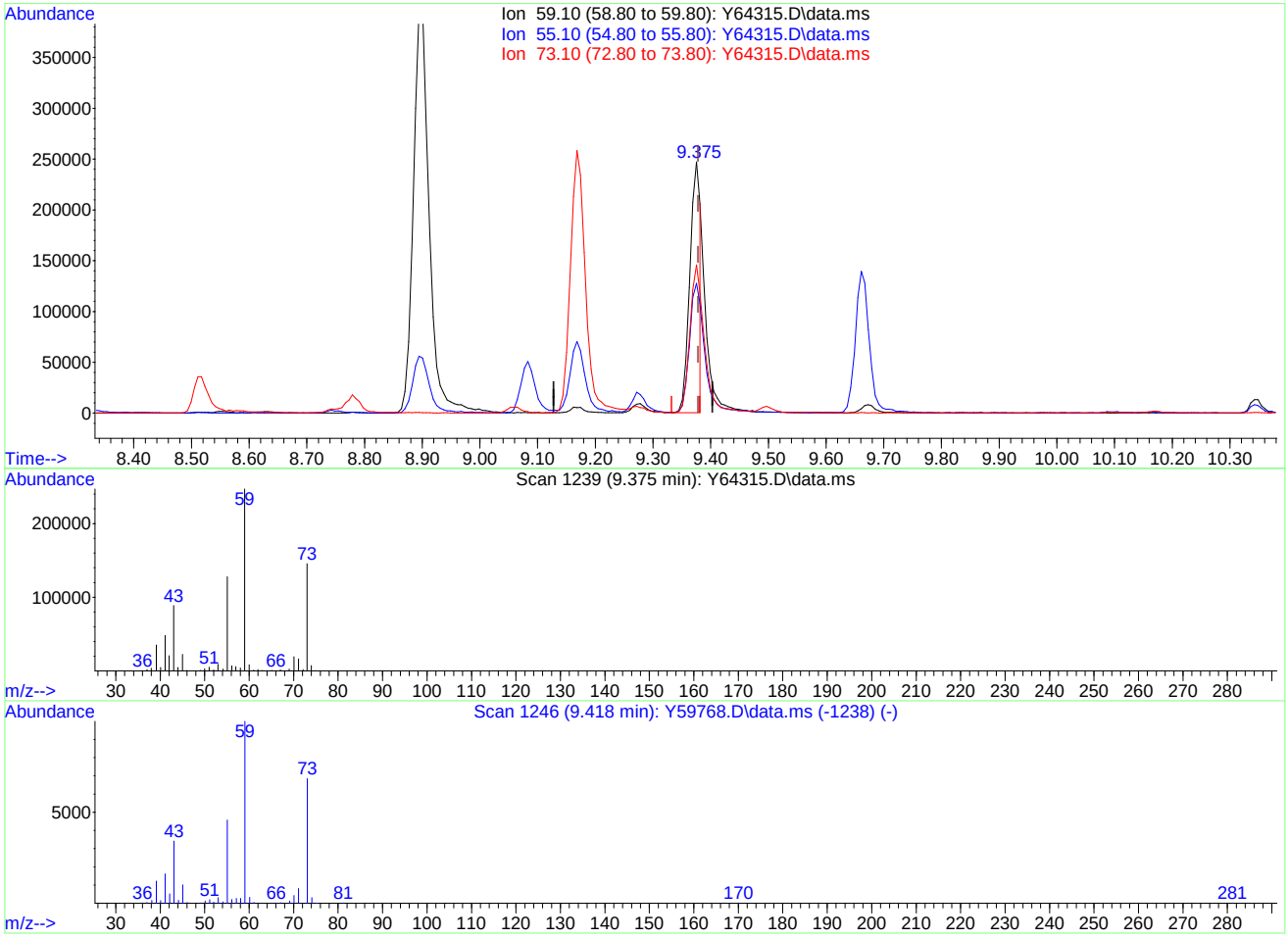
response 122650

Ion	Exp%	Act%
56.10	100	100
57.20	204.80	192.26
43.10	76.70	151.02#
41.10	144.30	129.65

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:33:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64315.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 282.27ug/L

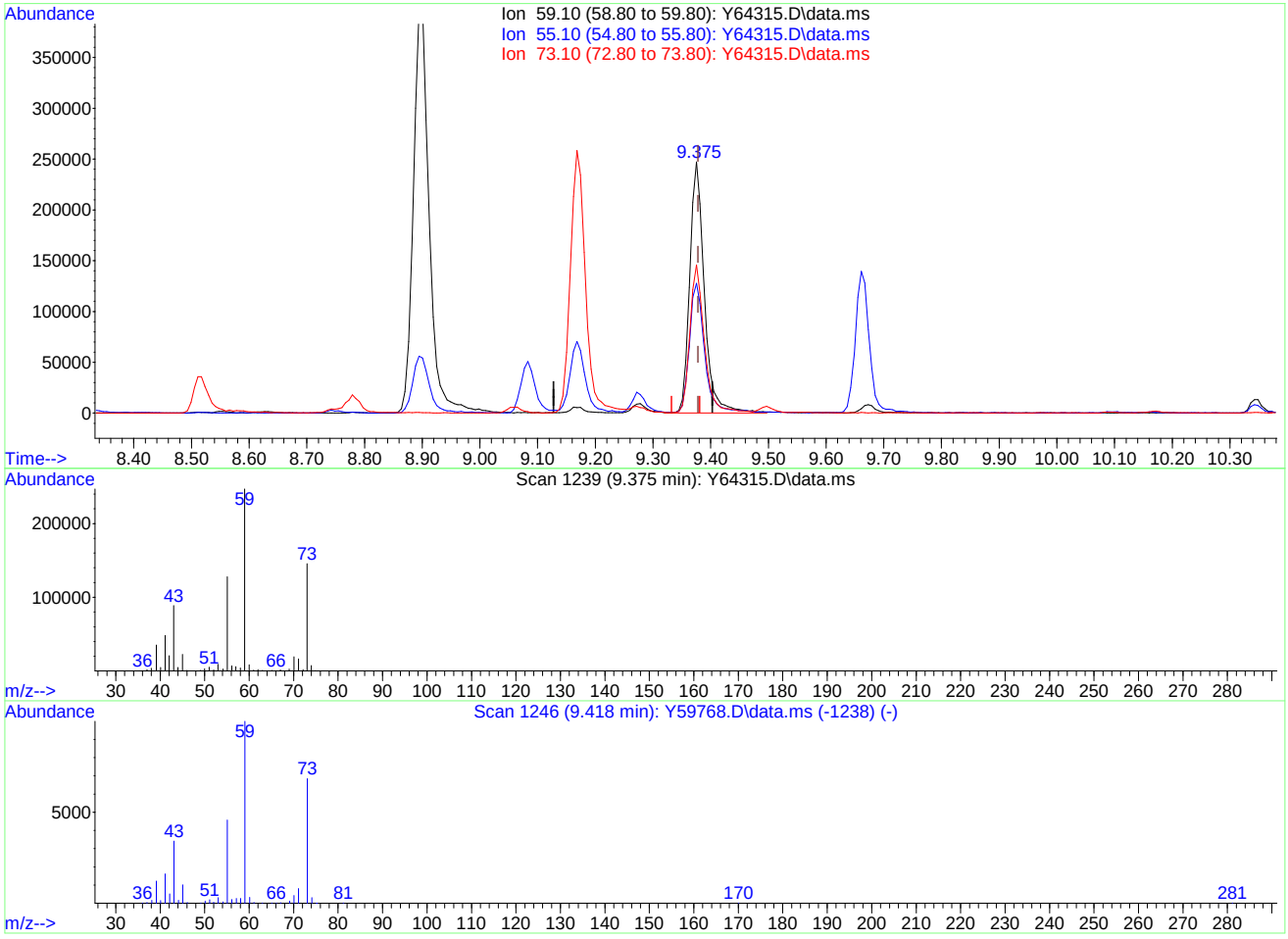
response 309773

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	51.44
73.10	53.50	58.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:33:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64315.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 381.16ug/L m

response 434506

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	51.69
73.10	53.50	58.97
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:50:12 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	797403	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	655739	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	357347	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	183087	50.80	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.60%			
49) 1,2-Dichloroethane-d4	9.211	65	214910	48.01	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.02%			
63) Toluene-d8	10.933	98	811558	48.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.46%			
86) 4-Bromofluorobenzene	13.007	174	276055	50.44	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	328553	91.94	ug/L	99
3) Acrolein	5.585	56	439661	344.75	ug/L	96
4) Chloromethane	3.176	50	337842	67.00	ug/L	98
5) 1,3-butadiene	3.335	39	320985	84.89	ug/L	99
6) Vinyl Chloride	3.310	62	392402	80.12	ug/L	96
7) Bromomethane	3.833	94	89151	82.31	ug/L	93
8) Chloroethane	4.028	64	135873	101.59	ug/L	97
9) Trichlorofluoromethane	4.235	101	499701	90.71	ug/L	98
10) Ethyl Ether	4.758	59	254716	74.94	ug/L	95
11) Ethanol	5.032	45	189559	1206.82	ug/L	97
12) 1,2-Dichlorotrifluoroe...	5.038	67	280101	82.67	ug/L	97
13) 1,1-Dichloroethene	5.044	61	394311	78.29	ug/L	96
14) Freon 113	5.105	101	279551	83.93	ug/L	95
15) Carbon Disulfide	5.093	76	767322	77.20	ug/L	97
16) Iodomethane	5.269	142	80980	49.68	ug/L	96
17) Allyl chloride	5.786	41	367949	66.29	ug/L	96
18) Methylene Chloride	5.957	49	428357	73.82	ug/L	93
19) Acetone	6.048	43	881528	327.87	ug/L	97
20) Methyl acetate	6.230	43	2003268	352.29	ug/L	99
21) trans-1,2-Dichloroethene	6.218	61	389549	73.87	ug/L	97
22) Hexane	6.328	56	222153	74.85	ug/L #	90
23) Methyl Tert Butyl Ether	6.382	73	873414	86.47	ug/L	96
24) Tert Butyl Alcohol	6.553	59	1094220	633.76	ug/L	96
25) Acetonitrile	6.790	41	801821	673.75	ug/L	97
26) Di-isopropyl ether	6.991	45	953829	75.53	ug/L	98
27) Chloroprene	7.173	53	73609	13.36	ug/L	97
28) 1,1-Dichloroethane	7.210	63	502987	76.32	ug/L	97
29) Acrylonitrile	7.301	53	1058730	366.88	ug/L	100
30) ETBE	7.581	59	948290	79.07	ug/L	96
31) Vinyl acetate	7.599	43	4129899	364.47	ug/L	100
32) cis-1,2-Dichloroethene	8.025	96	316255	79.10	ug/L	98
33) 2,2-Dichloropropane	8.165	77	426393	80.93	ug/L	97
34) Bromochloromethane	8.293	128	140803	79.18	ug/L	91
35) Cyclohexane	8.293	56	561833	75.09	ug/L	97
36) Chloroform	8.378	83	504141	85.57	ug/L	95
37) Ethyl acetate	8.512	43	2984822	391.89	ug/L	99
38) Tetrahydrofuran	8.585	42	217610	68.78	ug/L	94
40) Carbon Tetrachloride	8.554	117	346735	77.56	ug/L	95
41) 1,1,1-Trichloroethane	8.633	97	438287	82.12	ug/L	95
42) 2-Butanone	8.743	43	1565707	358.90	ug/L	98
43) 1,1-Dichloropropene	8.779	75	409338	79.74	ug/L	94
44) tert-Butyl formate	8.901	59	1375651	428.41	ug/L	96
45) Propionitrile	9.083	54	1012881	718.31	ug/L	99
46) Methacrylonitrile	9.108	41	3384282	740.28	ug/L	99
47) Benzene	9.059	78	1288627	82.35	ug/L	97
48) TAME	9.169	73	899140	82.44	ug/L	90
50) Isobutyl Alcohol	9.278	42	621514	1296.73	ug/L	99
51) 1,2-Dichloroethane	9.278	62	403401	77.30	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:50:12 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

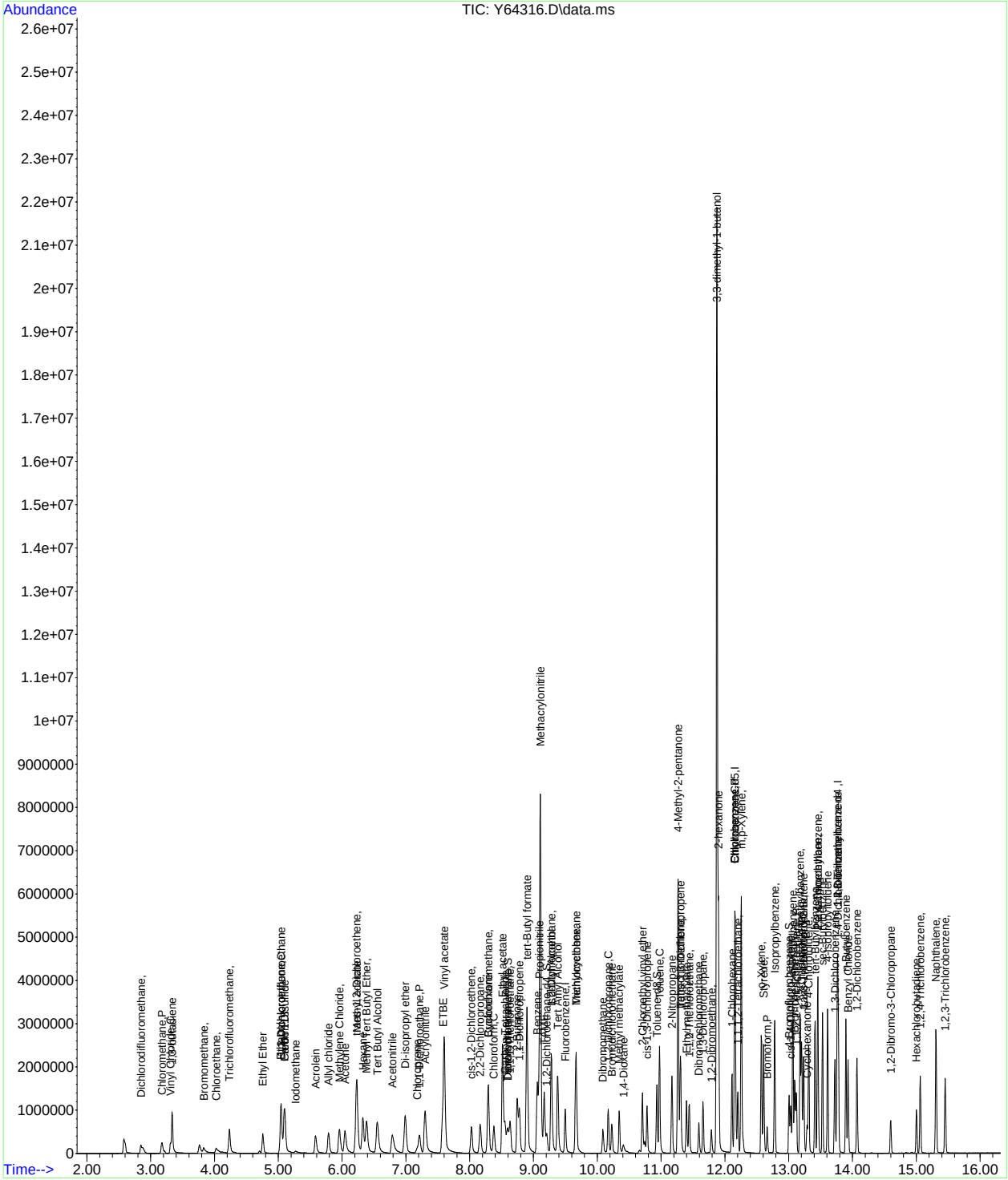
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Tert Amyl Alcohol	9.375	59	964761m	722.18 ug/L		
53) Trichloroethene	9.674	95	314201	81.83 ug/L		97
54) Methylcyclohexane	9.661	83	569850	80.64 ug/L		94
55) Dibromomethane	10.087	93	174441	77.07 ug/L		94
56) 1,2-Dichloropropane	10.172	63	307348	74.09 ug/L		95
57) Bromodichloromethane	10.227	83	348426	76.56 ug/L		98
58) Methyl methacrylate	10.343	41	392325	69.18 ug/L		96
59) 1,4-Dioxane	10.410	88	158842	1296.32 ug/L		94
60) 2-Chloroethyl vinyl ether	10.708	63	461394	535.51 ug/L		94
61) cis-1,3-Dichloropropene	10.781	75	470633	77.24 ug/L		92
64) Toluene	10.975	91	1387556	75.87 ug/L		100
65) 2-Nitropropane	11.170	41	785608	310.64 ug/L		99
66) 4-Methyl-2-pentanone	11.267	43	3179222	356.75 ug/L		99
67) trans-1,3-Dichloropropene	11.310	75	403568	70.82 ug/L	#	61
68) Tetrachloroethene	11.304	166	338903	73.42 ug/L		99
69) Ethyl methacrylate	11.401	69	502149	72.21 ug/L		89
70) 1,1,2-Trichloroethane	11.444	83	235304	77.51 ug/L		95
71) Dibromochloromethane	11.590	129	282155	70.85 ug/L		98
72) 1,3-Dichloropropane	11.657	76	515042	76.68 ug/L		96
73) 1,2-Dibromoethane	11.791	107	299166	73.88 ug/L		96
74) 3,3-dimethyl-1-butanol	11.876	57	7673262	3806.33 ug/L		97
75) 2-hexanone	11.900	43	3873240	390.00 ug/L		97
76) 1-Chlorohexane	12.113	91	461602	74.26 ug/L		88
77) Ethylbenzene	12.156	91	1595304	74.77 ug/L		97
78) Chlorobenzene	12.162	112	857844	72.61 ug/L		94
79) 1,1,1,2-Tetrachloroethane	12.204	131	284750	68.30 ug/L		99
80) m,p-Xylene	12.259	91	2529257	154.84 ug/L		99
81) o-Xylene	12.569	91	1209130	75.55 ug/L		99
82) Styrene	12.606	104	930827	70.00 ug/L		98
83) Bromoform	12.667	173	208024	68.85 ug/L		99
84) Isopropylbenzene	12.782	105	1535143	77.39 ug/L		97
87) cis-1,4-Dichloro-2-butene	13.032	53	168404	65.45 ug/L		91
88) n-Propylbenzene	13.068	91	1894656	74.07 ug/L		99
89) Bromobenzene	13.099	156	354753	72.43 ug/L		81
90) 1,1,2,2-Tetrachloroethane	13.123	83	499327	73.58 ug/L		97
91) 1,3,5-Trimethylbenzene	13.178	105	1308022	73.96 ug/L		97
92) 2-Chlorotoluene	13.202	91	1197583	71.21 ug/L		98
93) trans-1,4-Dichloro-2-B...	13.238	53	148067	57.64 ug/L	#	59
94) 1,2,3-Trichloropropane	13.232	110	168633	73.39 ug/L		97
95) Cyclohexanone	13.287	55	191055	286.54 ug/L		96
96) 4-Chlorotoluene	13.311	91	1072747	72.03 ug/L		99
97) tert-Butylbenzene	13.415	91	707383	71.45 ug/L		97
98) 1,2,4-Trimethylbenzene	13.457	105	1264207	72.54 ug/L		98
99) Pentachloroethane	13.464	167	198303	71.28 ug/L		98
100) sec-Butylbenzene	13.530	105	1581133	73.45 ug/L		98
101) 4-Isopropyltoluene	13.610	119	1360674	72.46 ug/L		98
102) 1,3-Dichlorobenzene	13.725	146	654488	70.40 ug/L		98
103) 1,2,3-Trimethylbenzene	13.762	105	1266212	73.33 ug/L		97
104) 1,4-Dichlorobenzene	13.780	146	677935	69.19 ug/L		99
105) n-Butylbenzene	13.895	92	679852	66.03 ug/L		98
106) Benzyl Chloride	13.932	126	235856	69.12 ug/L	#	89
107) 1,2-Dichlorobenzene	14.072	146	643611	71.09 ug/L		98
108) 1,2-Dibromo-3-Chloropr...	14.601	75	130152	70.00 ug/L		82
109) Hexachlorobutadiene	15.003	225	142552	63.20 ug/L		96
110) 1,2,4-Trichlorobenzene	15.064	180	436867	73.06 ug/L		99
111) Naphthalene	15.307	128	1855329	72.38 ug/L		99
112) 1,2,3-Trichlorobenzene	15.453	180	432170	73.24 ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:50:12 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



FA98431

Manual Integration Approval Summary

Sample Number: VY2666-IC2666
Lab FileID: Y64316.D
Injection Time: 08/29/22 15:09

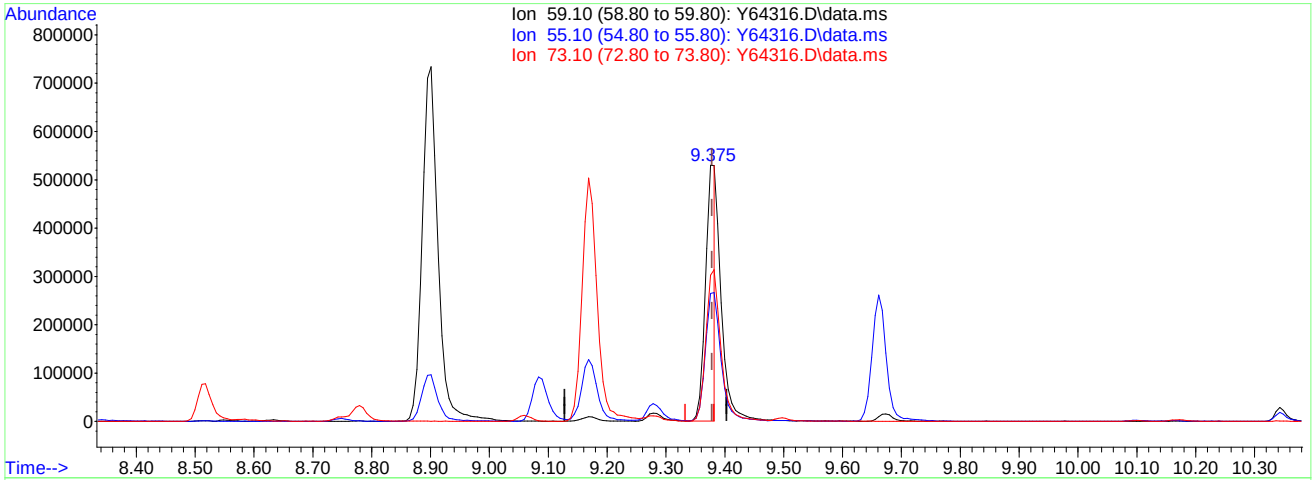
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

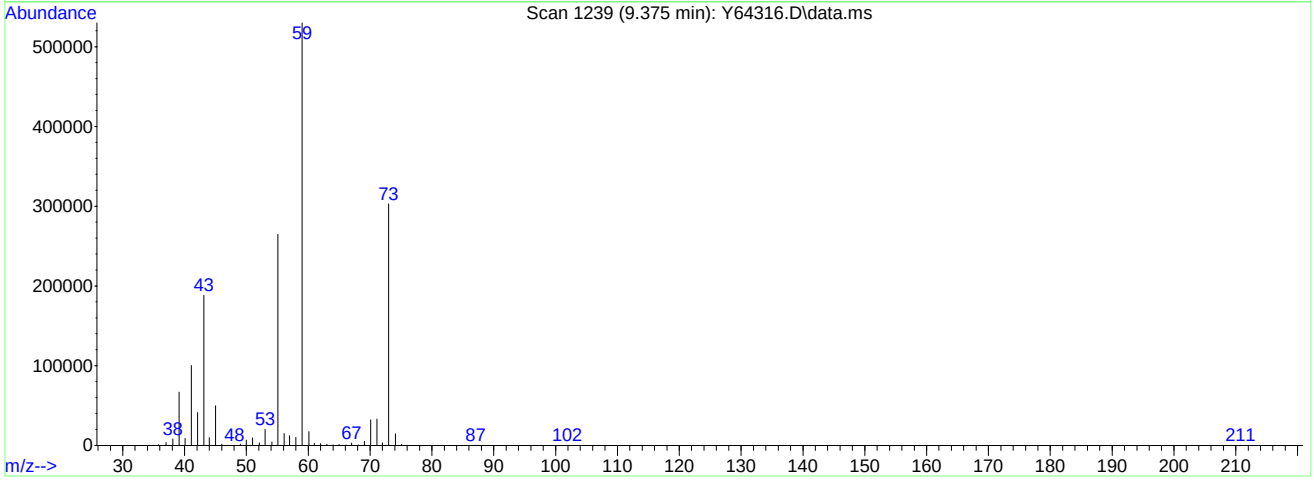
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert-Amyl Alcohol	75-85-4		9.38	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:33:52 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64316.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 486.95ug/L

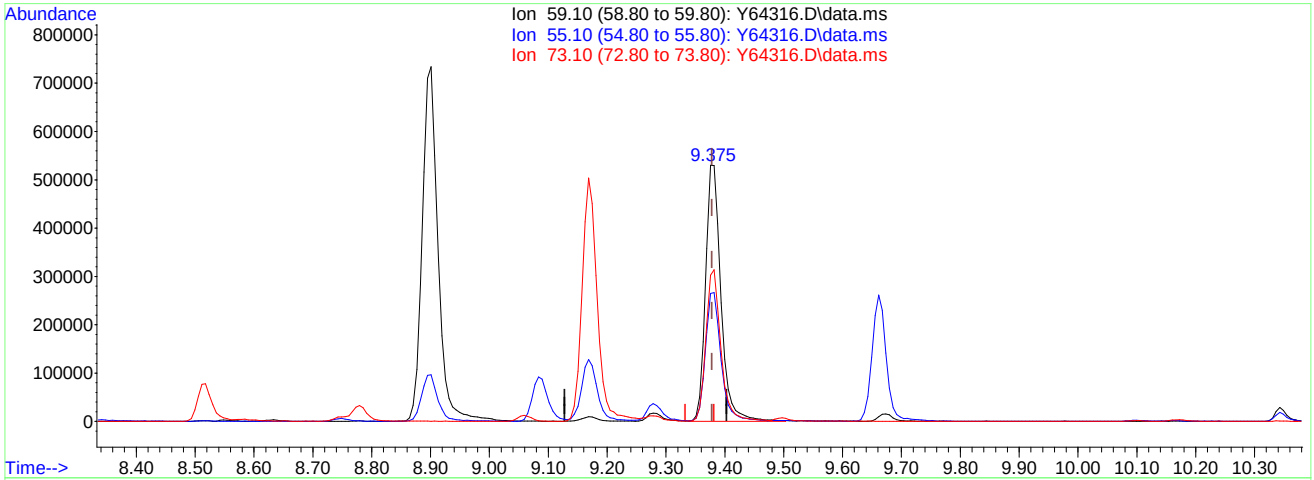
response 599379

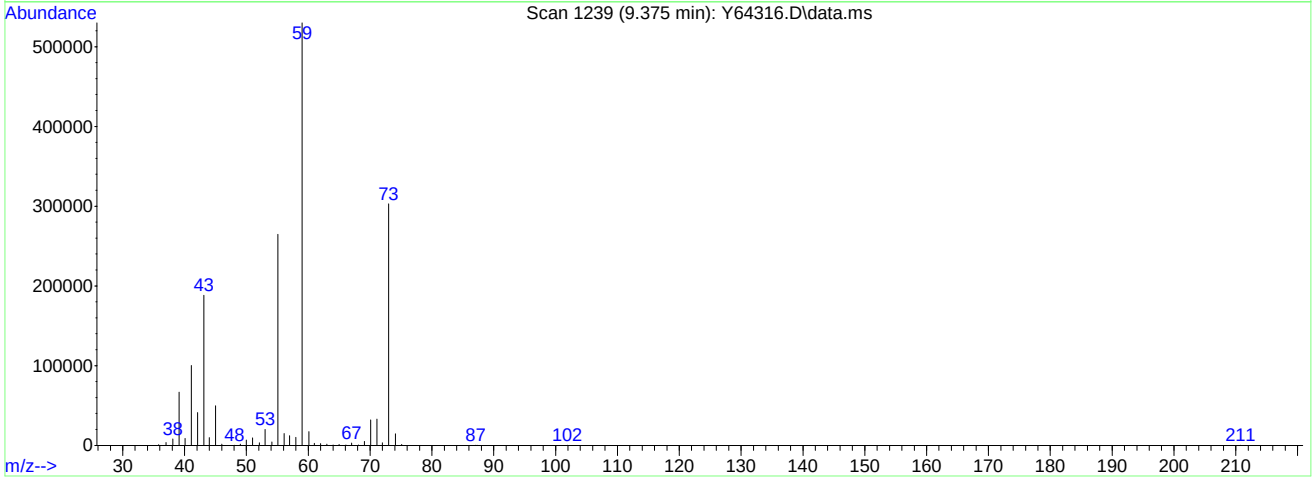
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	49.66
73.10	53.50	57.09
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:33:52 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64316.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 722.18ug/L m

response 964761

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	49.94
73.10	53.50	57.15
0.00	0.00	0.00

Y64317.D

Manual Integrations APPROVED (compounds with "m" flag)

Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:51:19 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	853192	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	714534	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	397319	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	192740	49.98	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.96%			
49) 1,2-Dichloroethane-d4	9.212	65	233054	48.66	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.32%			
63) Toluene-d8	10.933	98	864617	47.65	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.30%			
86) 4-Bromofluorobenzene	13.008	174	298226	49.01	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.842	85	515920m	131.12	ug/L	
3) Acrolein	5.586	56	695552	509.74	ug/L	98
4) Chloromethane	3.177	50	512185	94.94	ug/L	99
5) 1,3-butadiene	3.335	39	493252	135.44	ug/L	100
6) Vinyl Chloride	3.311	62	603582	115.18	ug/L	100
7) Bromomethane	3.834	94	156527	125.52	ug/L	98
8) Chloroethane	4.028	64	194959	136.23	ug/L	98
9) Trichlorofluoromethane	4.241	101	501285	85.05	ug/L	100
10) Ethyl Ether	4.765	59	397290	109.25	ug/L	95
11) Ethanol	5.057	45	308795	1767.53	ug/L	96
12) 1,2-Dichlorotrifluoroe...	5.044	67	439352	121.19	ug/L	98
13) 1,1-Dichloroethene	5.044	61	615022	114.13	ug/L	94
14) Freon 113	5.099	101	412361	115.57	ug/L	95
15) Carbon Disulfide	5.087	76	1198794	112.73	ug/L	98
16) Iodomethane	5.276	142	120351	69.01	ug/L	99
17) Allyl chloride	5.787	41	585276	98.55	ug/L	93
18) Methylene Chloride	5.957	49	637104	102.61	ug/L	91
19) Acetone	6.054	43	1342489	466.67	ug/L	94
20) Methyl acetate	6.237	43	3086586	490.16	ug/L	98
21) trans-1,2-Dichloroethene	6.212	61	590759	103.72	ug/L	97
22) Hexane	6.322	56	341341	114.80	ug/L #	87
23) Methyl Tert Butyl Ether	6.389	73	1328596	122.93	ug/L	77
24) Tert Butyl Alcohol	6.565	59	1726673	934.68	ug/L	96
25) Acetonitrile	6.790	41	1243131	938.40	ug/L	99
26) Di-isopropyl ether	6.991	45	1460216	108.06	ug/L	98
27) Chloroprene	7.174	53	120429	20.43	ug/L	93
28) 1,1-Dichloroethane	7.216	63	767646	108.86	ug/L	97
29) Acrylonitrile	7.301	53	1620746	500.87	ug/L	100
30) ETBE	7.581	59	1466677	114.30	ug/L	98
31) Vinyl acetate	7.606	43	6478653	511.41	ug/L	99
32) cis-1,2-Dichloroethene	8.025	96	480229	113.05	ug/L	98
33) 2,2-Dichloropropane	8.165	77	646123	114.62	ug/L	98
34) Bromochloromethane	8.293	128	212929	114.01	ug/L	94
35) Cyclohexane	8.293	56	877006	109.70	ug/L	95
36) Chloroform	8.378	83	734033	116.45	ug/L	97
37) Ethyl acetate	8.518	43	4363616	535.46	ug/L	99
38) Tetrahydrofuran	8.585	42	332369	98.19	ug/L	96
40) Carbon Tetrachloride	8.555	117	531855	111.18	ug/L	97
41) 1,1,1-Trichloroethane	8.634	97	664157	116.30	ug/L	99
42) 2-Butanone	8.749	43	2420969	518.66	ug/L	99
43) 1,1-Dichloropropene	8.780	75	614275	110.49	ug/L	95
44) tert-Butyl formate	8.901	59	2243981	653.14	ug/L	94
45) Propionitrile	9.090	54	1650638	1094.04	ug/L	90
46) Methacrylonitrile	9.108	41	5696706	1164.62	ug/L	99
47) Benzene	9.059	78	1952351	116.60	ug/L	96
48) TAME	9.169	73	1377145	114.58	ug/L	92
50) Isobutyl Alcohol	9.285	42	1029183	1843.56	ug/L	99
51) 1,2-Dichloroethane	9.285	62	627593	112.40	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:51:19 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

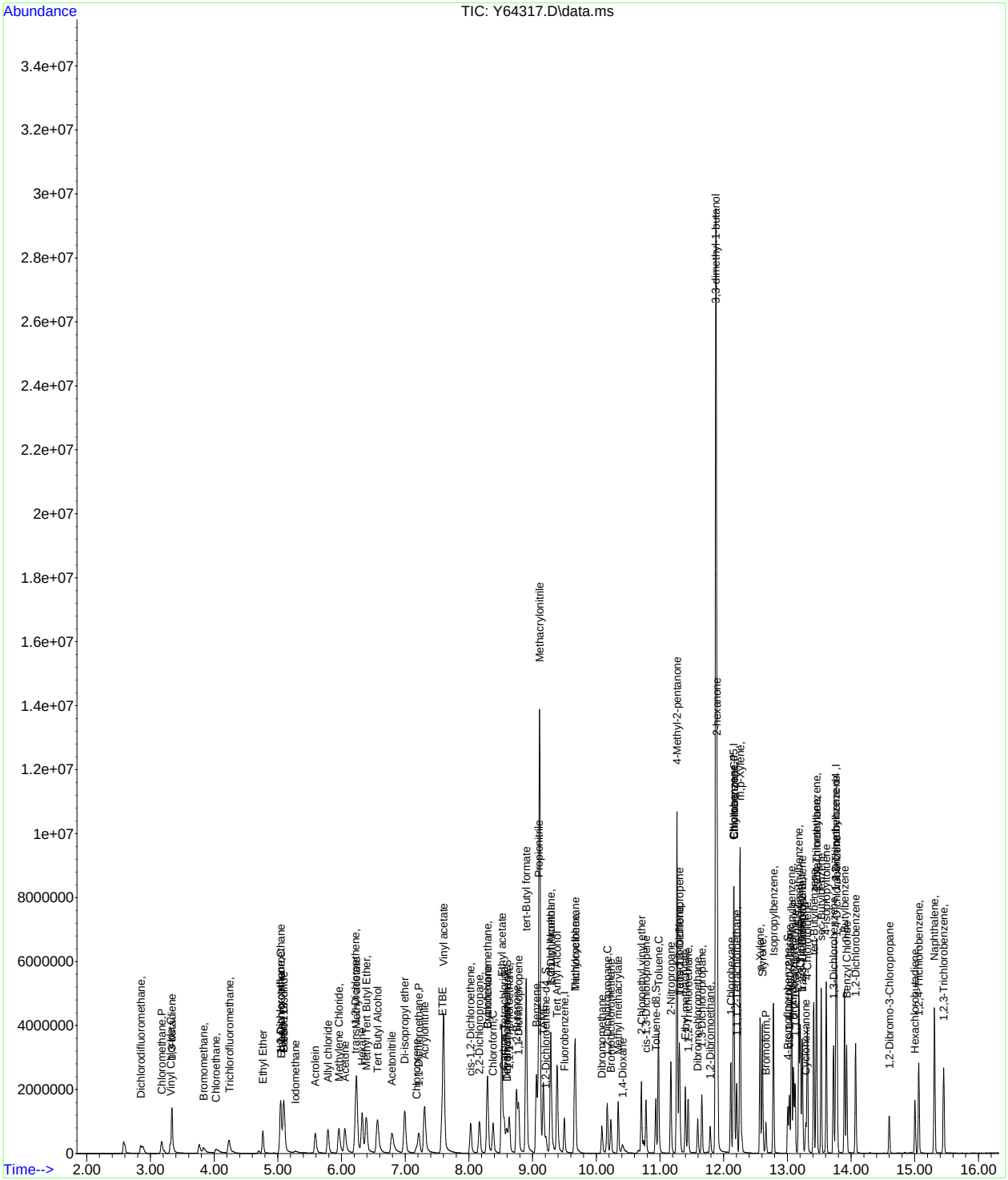
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Tert Amyl Alcohol	9.382	59	1544317m	991.27 ug/L		
53) Trichloroethene	9.674	95	475979	115.86 ug/L		98
54) Methylcyclohexane	9.662	83	889672	116.84 ug/L		95
55) Dibromomethane	10.088	93	268731	110.32 ug/L		95
56) 1,2-Dichloropropane	10.173	63	468344	105.03 ug/L		97
57) Bromodichloromethane	10.227	83	539243	107.96 ug/L		98
58) Methyl methacrylate	10.343	41	618601	97.16 ug/L		96
59) 1,4-Dioxane	10.410	88	243797	1861.39 ug/L		91
60) 2-Chloroethyl vinyl ether	10.708	63	717432	716.52 ug/L		95
61) cis-1,3-Dichloropropene	10.781	75	721957	107.88 ug/L		92
64) Toluene	10.976	91	2127221	106.74 ug/L		98
65) 2-Nitropropane	11.170	41	1258115	438.32 ug/L		98
66) 4-Methyl-2-pentanone	11.268	43	5193906	534.87 ug/L		98
67) trans-1,3-Dichloropropene	11.310	75	634386	99.77 ug/L	#	61
68) Tetrachloroethene	11.304	166	528254	105.02 ug/L		95
69) Ethyl methacrylate	11.396	69	810083	102.21 ug/L		92
70) 1,1,2-Trichloroethane	11.444	83	360198	108.88 ug/L		97
71) Dibromochloromethane	11.590	129	435129	99.23 ug/L		99
72) 1,3-Dichloropropane	11.657	76	790194	107.97 ug/L		94
73) 1,2-Dibromoethane	11.785	107	456896	102.87 ug/L		98
74) 3,3-dimethyl-1-butanol	11.876	57	11649896	5139.07 ug/L		93
75) 2-hexanone	11.900	43	6235648	517.86 ug/L		98
76) 1-Chlorohexane	12.113	91	708349	103.10 ug/L		89
77) Ethylbenzene	12.156	91	2523853	108.56 ug/L		96
78) Chlorobenzene	12.162	112	1339419	104.04 ug/L		95
79) 1,1,1,2-Tetrachloroethane	12.205	131	444535	96.95 ug/L		99
80) m,p-Xylene	12.259	91	4093944	230.00 ug/L		99
81) o-Xylene	12.570	91	1872224	107.36 ug/L		98
82) Styrene	12.606	104	1493815	99.54 ug/L		98
83) Bromoform	12.661	173	332822	97.10 ug/L		98
84) Isopropylbenzene	12.783	105	2384853	110.33 ug/L		97
87) cis-1,4-Dichloro-2-butene	13.032	53	260127	90.92 ug/L		92
88) n-Propylbenzene	13.062	91	2949571	103.70 ug/L		95
89) Bromobenzene	13.099	156	546818	100.41 ug/L		89
90) 1,1,2,2-Tetrachloroethane	13.117	83	784274	103.94 ug/L		98
91) 1,3,5-Trimethylbenzene	13.178	105	2045328	104.02 ug/L		97
92) 2-Chlorotoluene	13.202	91	1826486	97.68 ug/L		96
93) trans-1,4-Dichloro-2-B...	13.239	53	239652	80.69 ug/L	#	70
94) 1,2,3-Trichloropropane	13.233	110	260405	101.93 ug/L		96
95) Cyclohexanone	13.287	55	282071	380.48 ug/L		97
96) 4-Chlorotoluene	13.312	91	1674820	101.14 ug/L		98
97) tert-Butylbenzene	13.415	91	1107516	100.61 ug/L		96
98) 1,2,4-Trimethylbenzene	13.452	105	2040856	105.32 ug/L		95
99) Pentachloroethane	13.464	167	316869	102.44 ug/L		94
100) sec-Butylbenzene	13.531	105	2508321	104.80 ug/L		97
101) 4-Isopropyltoluene	13.610	119	2143977	102.69 ug/L		97
102) 1,3-Dichlorobenzene	13.725	146	1021522	98.83 ug/L		98
103) 1,2,3-Trimethylbenzene	13.762	105	2014191	104.91 ug/L		95
104) 1,4-Dichlorobenzene	13.780	146	1053648	96.72 ug/L		98
105) n-Butylbenzene	13.896	92	1092879	91.71 ug/L		96
106) Benzyl Chloride	13.932	126	373353	93.81 ug/L	#	93
107) 1,2-Dichlorobenzene	14.072	146	1014893	100.82 ug/L		97
108) 1,2-Dibromo-3-Chloropr...	14.595	75	211196	102.16 ug/L		97
109) Hexachlorobutadiene	15.003	225	231901	90.29 ug/L		98
110) 1,2,4-Trichlorobenzene	15.064	180	703583	105.83 ug/L		98
111) Naphthalene	15.307	128	2890912	101.44 ug/L		98
112) 1,2,3-Trichlorobenzene	15.453	180	680237	103.68 ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:51:19 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



FA98431

Manual Integration Approval Summary

Sample Number: VY2666-IC2666
Lab FileID: Y64317.D
Injection Time: 08/29/22 15:33

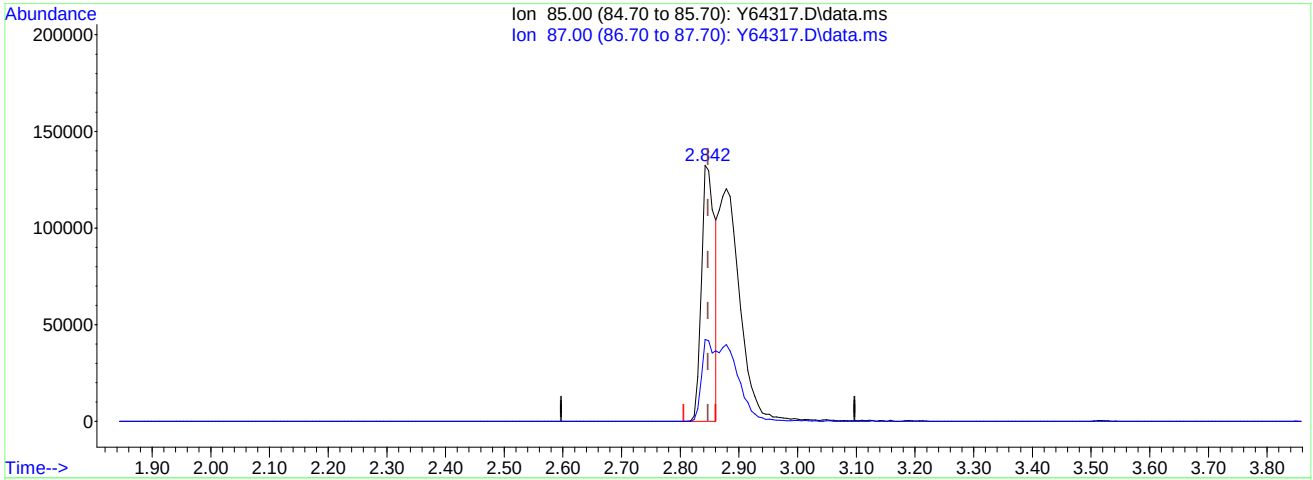
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

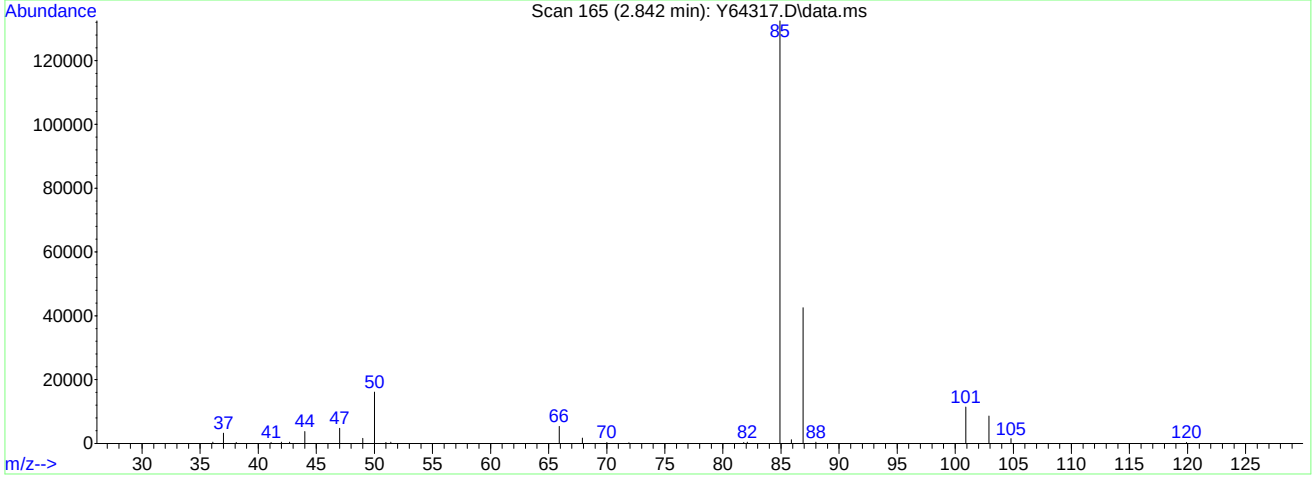
Parameter	CAS	Sig#	R.T. (min.)	Reason
Dichlorodifluoromethane	75-71-8		2.84	Split peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:33:53 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64317.D\data.ms

(2) Dichlorodifluoromethane ( )

2.842min (-0.005) 56.49ug/L

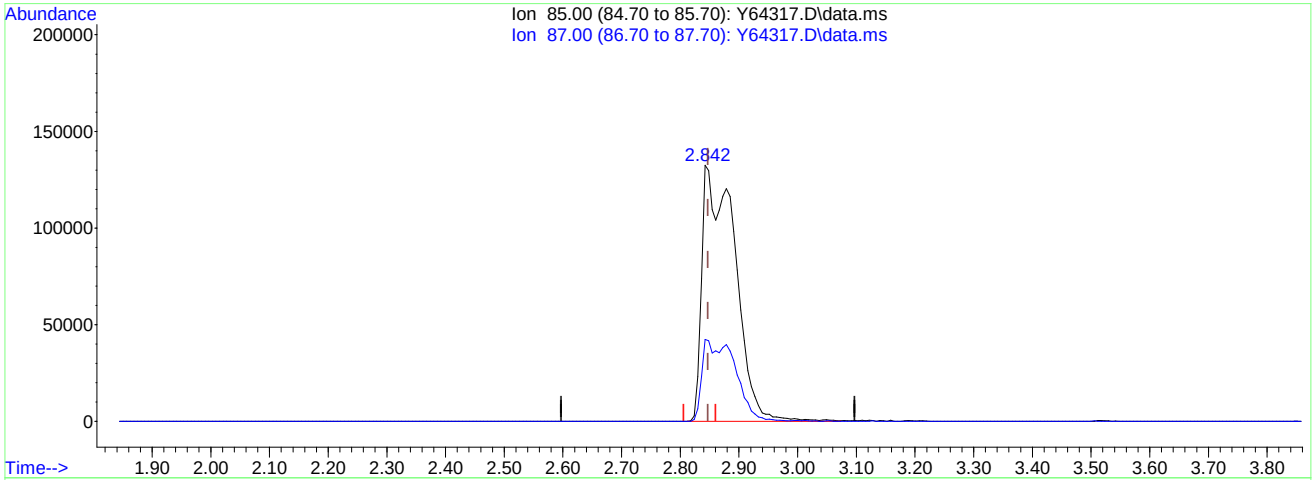
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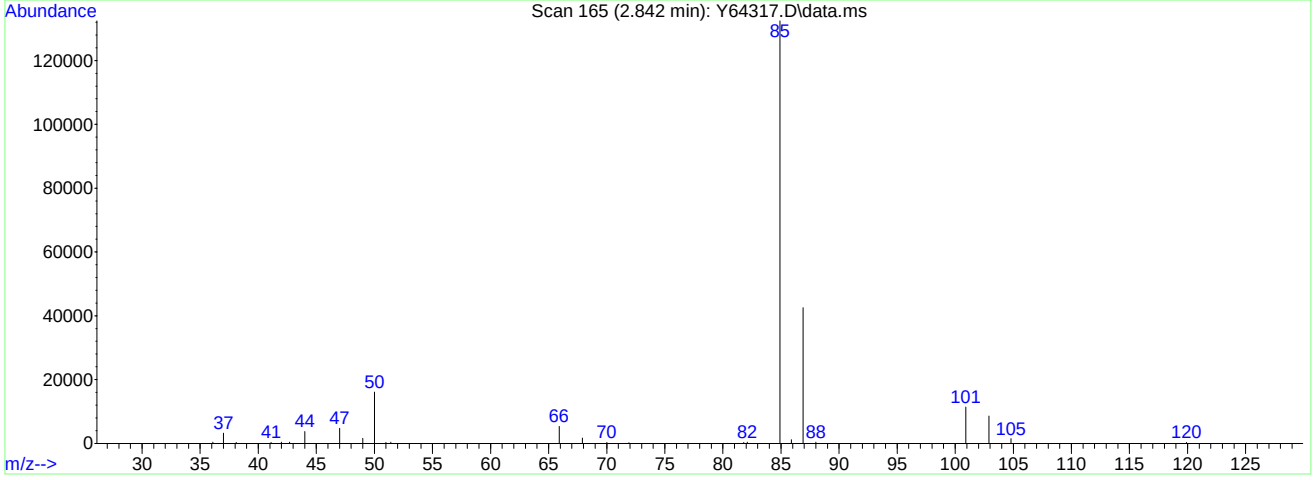
Ion	Exp%	Act%
85.00	100	100
87.00	34.10	32.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:33:53 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64317.D\data.ms

(2) Dichlorodifluoromethane ( )

2.842min (-0.005) 131.12ug/L m

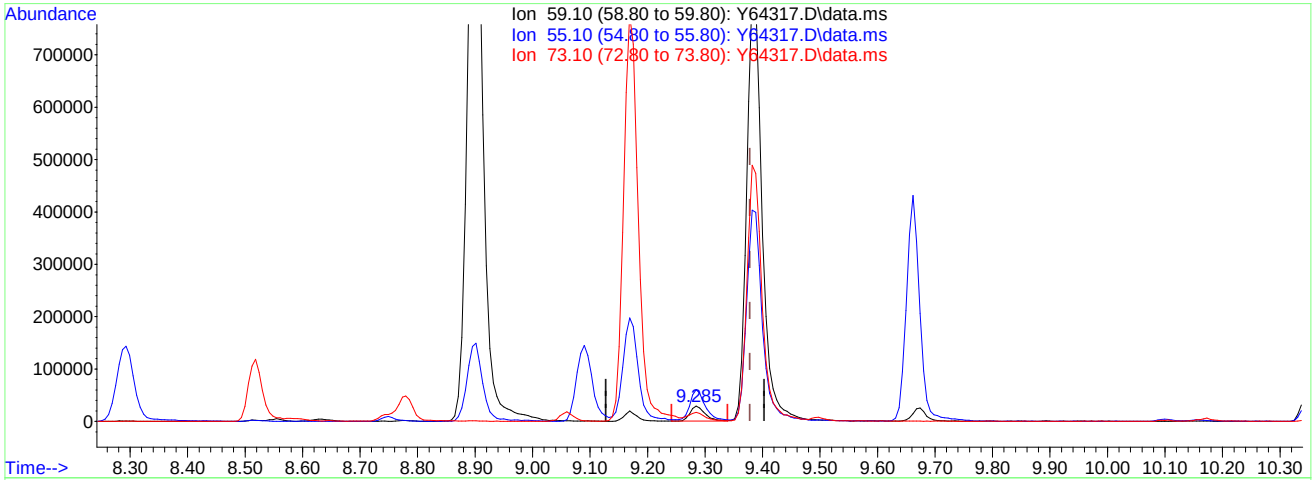
response 515920

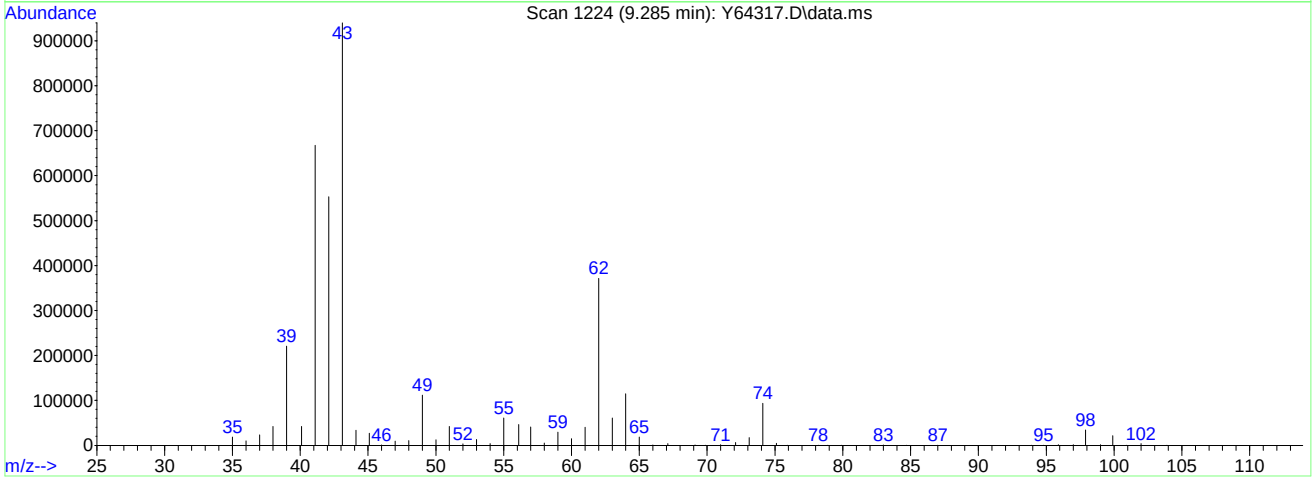
Ion	Exp%	Act%
85.00	100	100
87.00	34.10	32.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:33:53 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64317.D\data.ms

(52) Tert Amyl Alcohol

9.285min (-0.093) 47.90ug/L

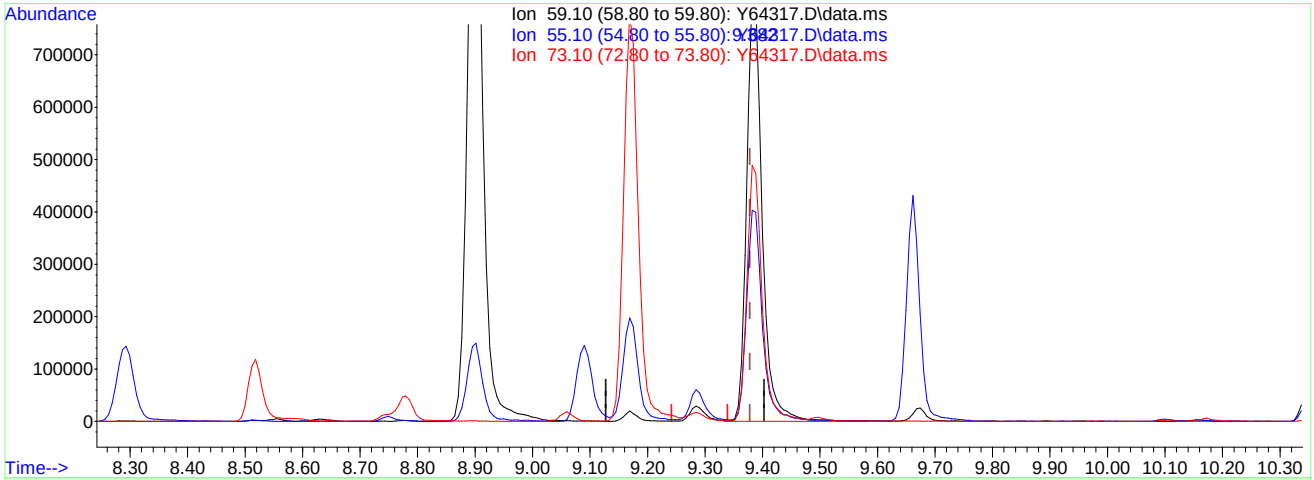
response 53043

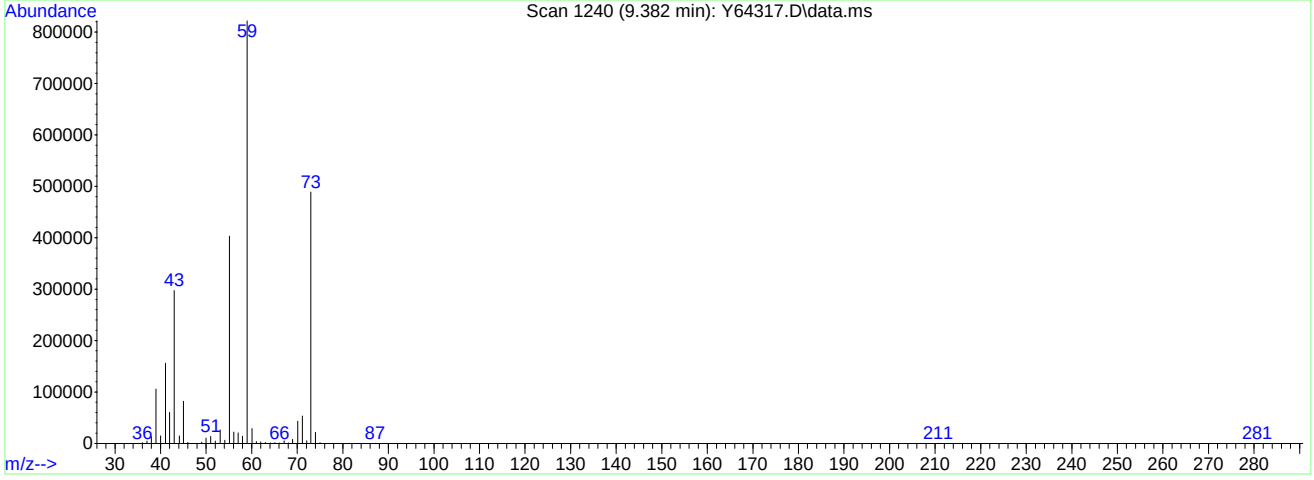
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	199.30#
73.10	53.50	54.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:33:53 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64317.D\data.ms

(52) Tert Amyl Alcohol

9.382min (+0.004) 991.27ug/L m

response 1544317

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	49.06
73.10	53.50	59.49
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:16:01 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	836695	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	687461	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	368912	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	193127	51.52	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.04%			
49) 1,2-Dichloroethane-d4	9.211	65	226133	49.39	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.78%			
63) Toluene-d8	10.933	98	850508	50.02	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.04%			
86) 4-Bromofluorobenzene	13.007	174	286479	51.15	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	162170	33.93	ug/L	98
3) Acrolein	5.585	56	233370	195.12	ug/L	100
4) Chloromethane	3.176	50	200522	38.48	ug/L	95
5) 1,3-butadiene	3.340	39	163547	34.42	ug/L	96
6) Vinyl Chloride	3.310	62	217645	37.36	ug/L	92
7) Bromomethane	3.833	94	57150	46.77	ug/L	97
8) Chloroethane	4.028	64	74597	37.44	ug/L	100
9) Trichlorofluoromethane	4.235	101	285914	46.54	ug/L	100
10) Ethyl Ether	4.758	59	150805	39.59	ug/L	97
11) Ethanol	5.038	45	102745	893.73	ug/L	100
12) 1,2-Dichlorotrifluoroe...	5.044	67	178187	42.30	ug/L	98
13) 1,1-Dichloroethene	5.044	61	232678	40.79	ug/L	98
14) Freon 113	5.105	101	142757	36.00	ug/L	97
15) Carbon Disulfide	5.093	76	373679	34.45	ug/L	98
16) Iodomethane	5.275	142	36008	36.26	ug/L	91
17) Allyl chloride	5.786	41	229974	42.32	ug/L	98
18) Methylene Chloride	5.956	49	232089	34.17	ug/L	99
19) Acetone	6.048	43	551995	224.35	ug/L	98
20) Methyl acetate	6.230	43	1247797	229.25	ug/L	99
21) trans-1,2-Dichloroethene	6.218	61	224575	39.48	ug/L	98
22) Hexane	6.327	56	126248	41.17	ug/L #	82
23) Methyl Tert Butyl Ether	6.382	73	624474	47.67	ug/L	93
24) Tert Butyl Alcohol	6.546	59	648196	447.49	ug/L	99
25) Acetonitrile	6.790	41	423588	386.61	ug/L	99
26) Di-isopropyl ether	6.984	45	553138	39.75	ug/L	96
27) Chloroprene	7.173	53	205366	159.04	ug/L	97
28) 1,1-Dichloroethane	7.216	63	301828	40.78	ug/L	97
29) Acrylonitrile	7.301	53	578907	196.10	ug/L	98
30) ETBE	7.581	59	533898	38.49	ug/L	98
31) Vinyl acetate	7.605	43	2261765	198.53	ug/L	99
32) cis-1,2-Dichloroethene	8.025	96	187139	39.69	ug/L	98
33) 2,2-Dichloropropane	8.165	77	235314	38.35	ug/L	98
34) Bromochloromethane	8.292	128	82203	37.35	ug/L	96
35) Cyclohexane	8.292	56	297624	36.49	ug/L	98
36) Chloroform	8.378	83	274034	37.12	ug/L	98
37) Ethyl acetate	8.518	43	1650735	195.44	ug/L	98
38) Tetrahydrofuran	8.584	42	142106	41.97	ug/L	97
40) Carbon Tetrachloride	8.554	117	194045	39.15	ug/L	97
41) 1,1,1-Trichloroethane	8.633	97	252297	39.08	ug/L	98
42) 2-Butanone	8.749	43	956255	214.02	ug/L	99
43) 1,1-Dichloropropene	8.779	75	222006	37.71	ug/L	96
44) tert-Butyl formate	8.895	59	732919	193.70	ug/L	98
45) Propionitrile	9.083	54	538588	383.16	ug/L	98
46) Methacrylonitrile	9.108	41	1663037	361.62	ug/L	98
47) Benzene	9.059	78	733670	38.33	ug/L	98
50) Isobutyl Alcohol	9.278	42	317873	805.55	ug/L	96
51) 1,2-Dichloroethane	9.278	62	237491	39.33	ug/L	97
52) Tert Amyl Alcohol	9.381	59	558522m	446.68	ug/L	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:16:01 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

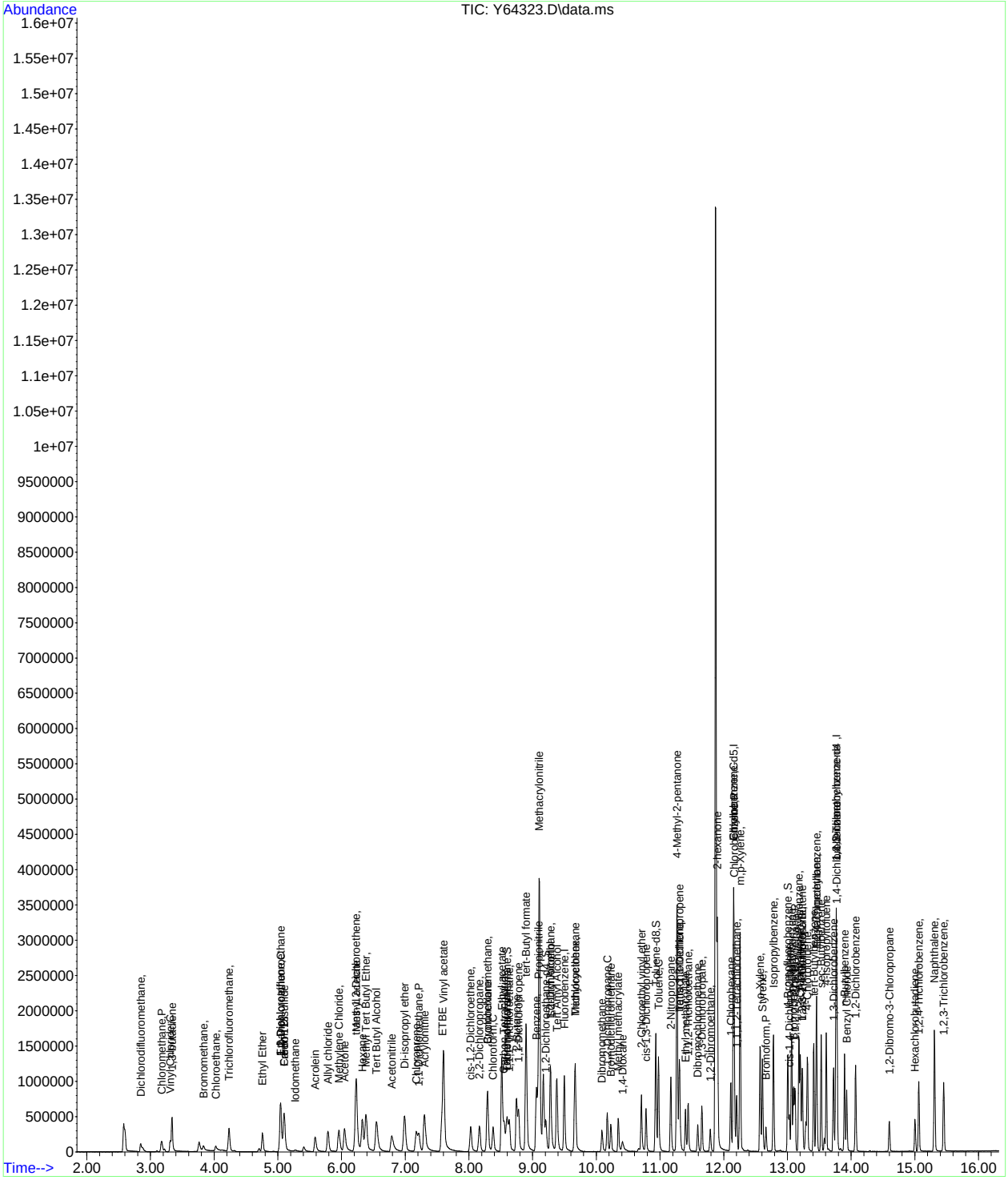
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) Trichloroethene	9.673	95	182320	39.33	ug/L		97
54) Methylcyclohexane	9.661	83	303625	37.49	ug/L		97
55) Dibromomethane	10.087	93	102448	39.14	ug/L		95
56) 1,2-Dichloropropane	10.172	63	170149	37.05	ug/L		97
57) Bromodichloromethane	10.227	83	199859	40.80	ug/L		99
58) Methyl methacrylate	10.343	41	198786	37.44	ug/L		97
59) 1,4-Dioxane	10.409	88	119122	1101.92	ug/L		99
60) 2-Chloroethyl vinyl ether	10.708	63	268772	203.98	ug/L		100
61) cis-1,3-Dichloropropene	10.781	75	265562	40.10	ug/L		97
64) Toluene	10.975	91	781191	37.17	ug/L		100
65) 2-Nitropropane	11.170	41	476692	228.28	ug/L		98
66) 4-Methyl-2-pentanone	11.267	43	1786804	205.23	ug/L		99
67) trans-1,3-Dichloropropene	11.310	75	261556	44.87	ug/L		86
68) Tetrachloroethene	11.304	166	194257	38.24	ug/L		97
69) Ethyl methacrylate	11.401	69	245923	35.07	ug/L		97
70) 1,1,2-Trichloroethane	11.444	83	143140	39.15	ug/L		95
71) Dibromochloromethane	11.590	129	159128	40.55	ug/L		98
72) 1,3-Dichloropropane	11.657	76	286859	35.95	ug/L		98
73) 1,2-Dibromoethane	11.790	107	175801	38.95	ug/L		97
75) 2-hexanone	11.900	43	1504738	199.08	ug/L		99
76) 1-Chlorohexane	12.113	91	247531	39.14	ug/L		97
77) Ethylbenzene	12.155	91	872784	37.69	ug/L		100
78) Chlorobenzene	12.168	112	482419	37.37	ug/L		86
79) 1,1,1,2-Tetrachloroethane	12.204	131	161489	39.41	ug/L		97
80) m,p-Xylene	12.259	91	1364692	76.27	ug/L		99
81) o-Xylene	12.569	91	669497	38.99	ug/L		98
82) Styrene	12.606	104	523438	41.81	ug/L		97
83) Bromoform	12.666	173	123282	44.55	ug/L		97
84) Isopropylbenzene	12.782	105	833317	38.15	ug/L		99
87) cis-1,4-Dichloro-2-butene	13.031	53	83094	38.84	ug/L	#	87
88) n-Propylbenzene	13.068	91	1002542	37.03	ug/L		100
89) Bromobenzene	13.098	156	200196	37.07	ug/L		89
90) 1,1,2,2-Tetrachloroethane	13.123	83	299546	39.78	ug/L		98
91) 1,3,5-Trimethylbenzene	13.177	105	665024	35.95	ug/L		98
92) 2-Chlorotoluene	13.202	91	636085	36.18	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.238	53	71993	36.23	ug/L	#	87
94) 1,2,3-Trichloropropane	13.232	110	93953	37.50	ug/L		96
96) 4-Chlorotoluene	13.311	91	578781	36.98	ug/L		100
97) tert-Butylbenzene	13.415	91	361833	35.50	ug/L		98
98) 1,2,4-Trimethylbenzene	13.457	105	671616	36.99	ug/L		100
99) Pentachloroethane	13.463	167	103283	36.56	ug/L		97
100) sec-Butylbenzene	13.530	105	805863	36.45	ug/L		98
101) 4-Isopropyltoluene	13.609	119	699782	37.67	ug/L		99
102) 1,3-Dichlorobenzene	13.725	146	366704	37.73	ug/L		99
103) 1,2,3-Trimethylbenzene	13.761	105	715594	38.98	ug/L		99
104) 1,4-Dichlorobenzene	13.780	146	381245	37.01	ug/L		99
105) n-Butylbenzene	13.895	92	304029	32.99	ug/L		99
106) Benzyl Chloride	13.932	126	98443	32.17	ug/L	#	92
107) 1,2-Dichlorobenzene	14.072	146	365021	38.41	ug/L		99
108) 1,2-Dibromo-3-Chloropr...	14.601	75	74185	42.30	ug/L		89
109) Hexachlorobutadiene	15.002	225	67100	36.57	ug/L		94
110) 1,2,4-Trichlorobenzene	15.063	180	247637	39.86	ug/L		96
111) Naphthalene	15.307	128	1114491	41.65	ug/L		100
112) 1,2,3-Trichlorobenzene	15.453	180	243702	39.13	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:16:01 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

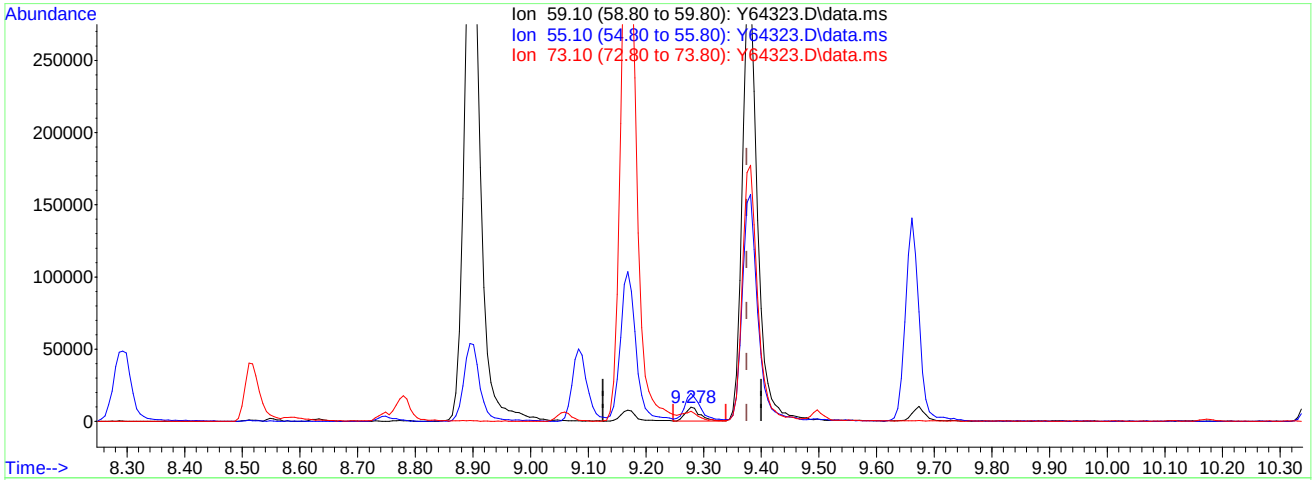
Sample Number: VY2666-ICV2666
Lab FileID: Y64323.D
Injection Time: 08/30/22 11:36
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

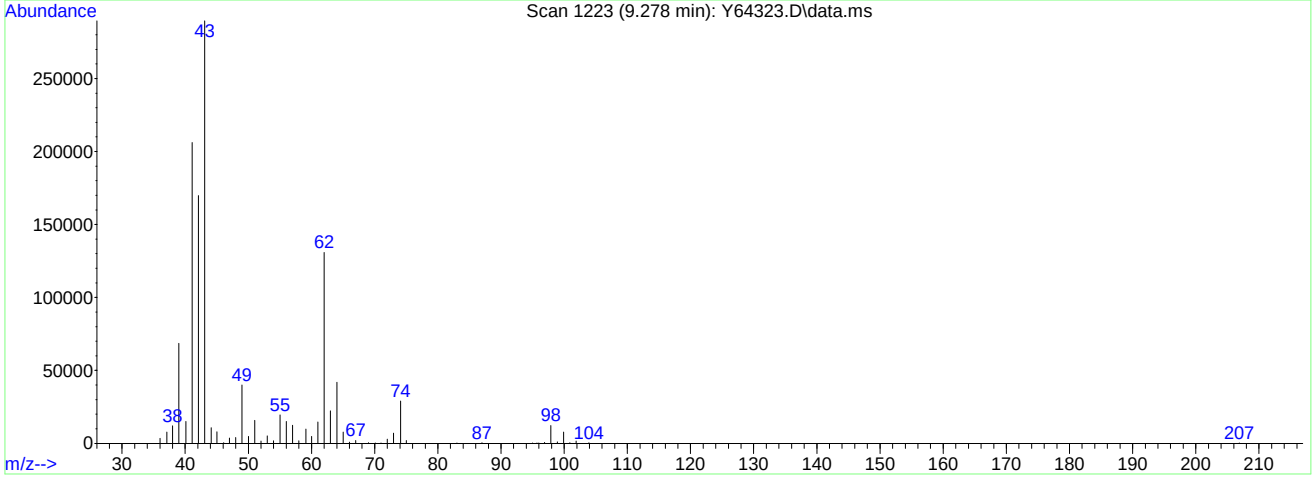
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:14:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64323.D\data.ms

(52) Tert Amyl Alcohol

9.278min (-0.097) 16.27ug/L

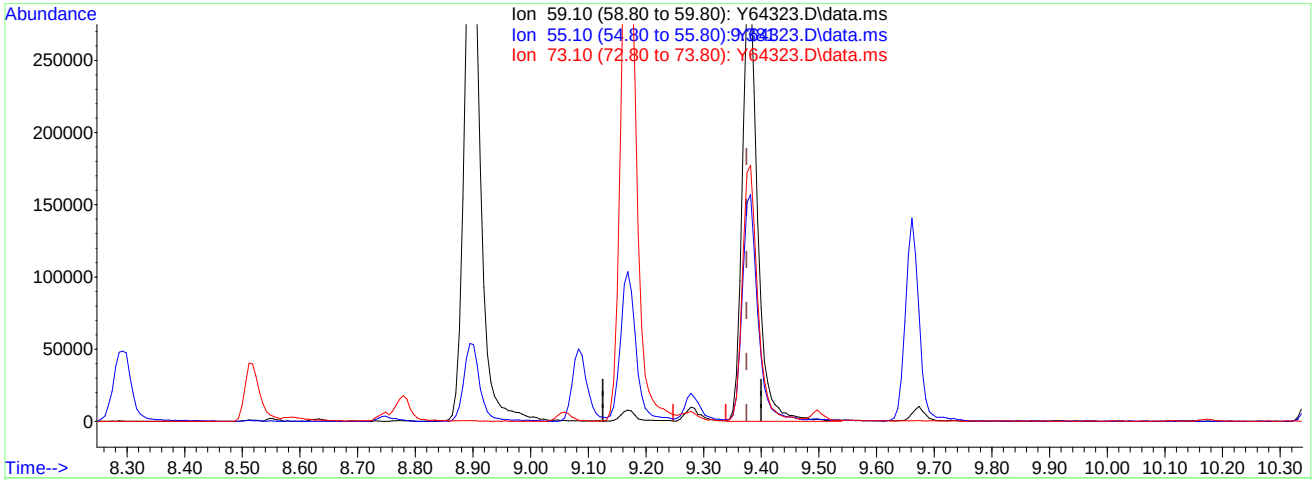
response 16712

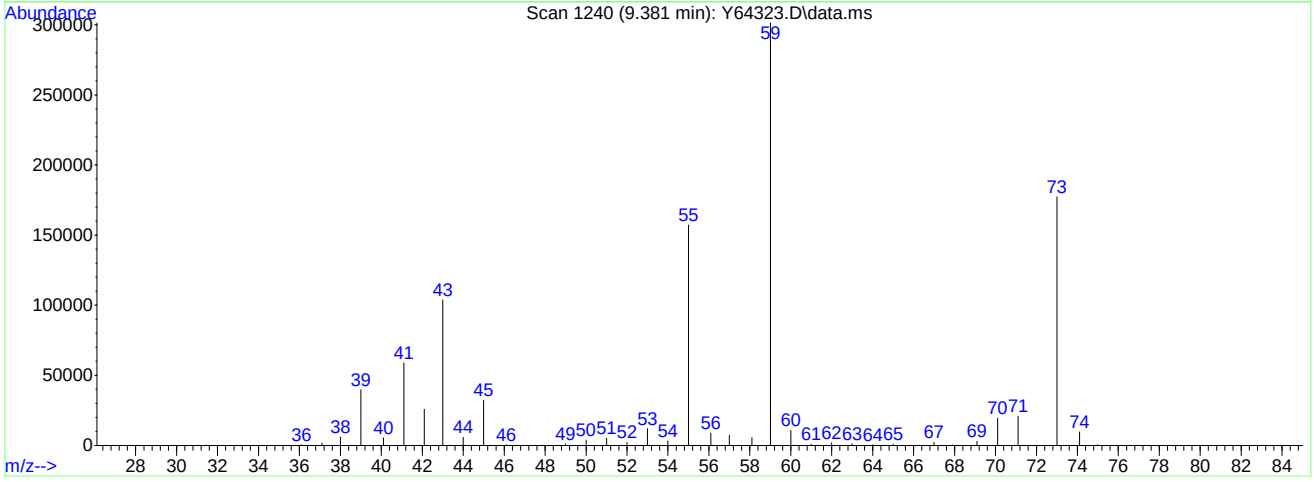
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	192.01#
73.10	59.00	66.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:14:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64323.D\data.ms

(52) Tert Amyl Alcohol

9.381min (+0.006) 446.68ug/L m

response 558522

Ion	Exp%	Act%
59.10	100	100
55.10	51.70	52.15
73.10	59.00	58.82
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64324.D
Acq On : 30 Aug 2022 12:01 pm
Operator : joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 15:17:59 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

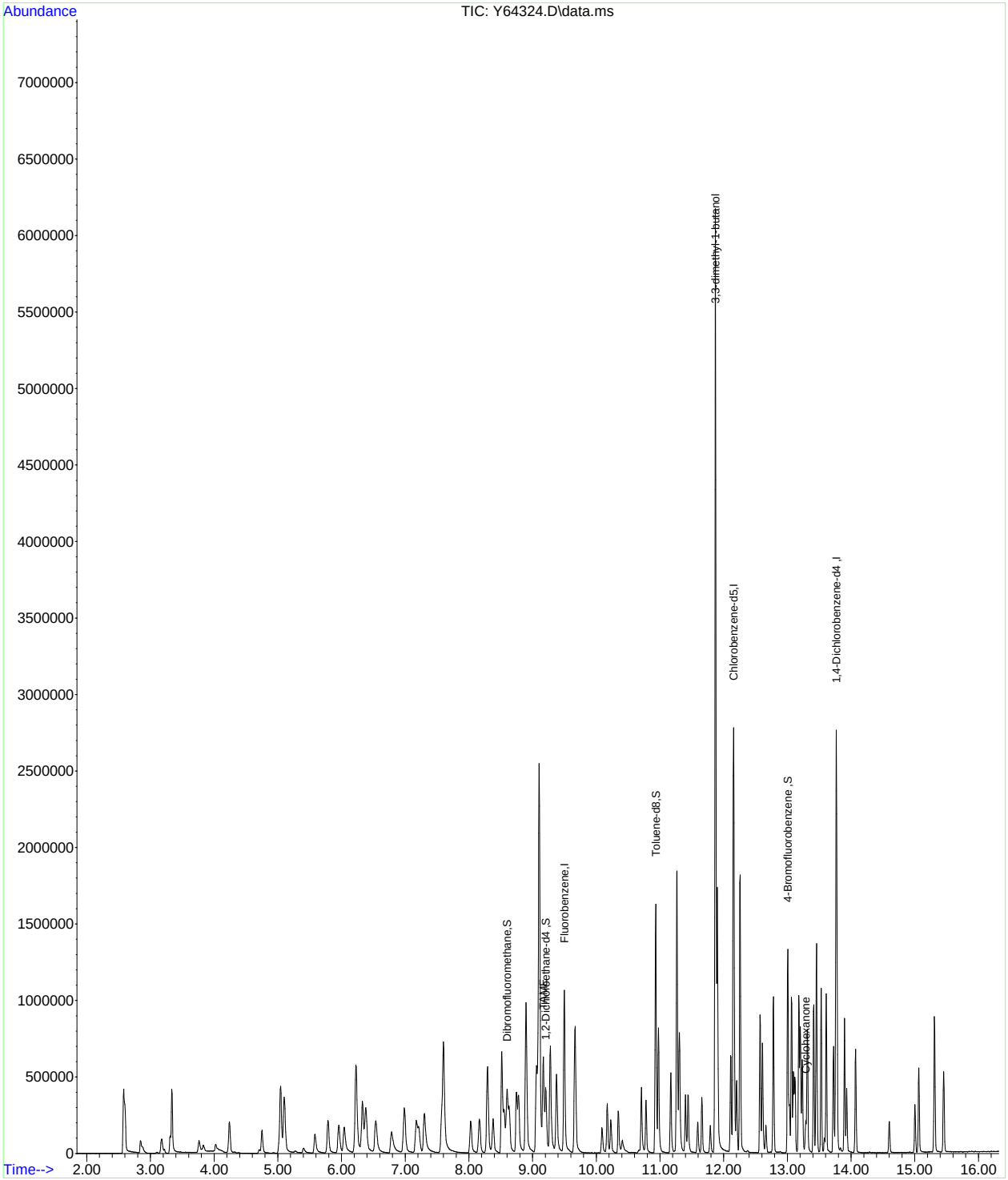
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.498	96	845351	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	693443	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	364991	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	191772	50.63	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.26%			
49) 1,2-Dichloroethane-d4	9.206	65	231612	50.06	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.12%			
63) Toluene-d8	10.933	98	865691	50.47	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.94%			
86) 4-Bromofluorobenzene	13.008	174	286054	51.62	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.24%			
Target Compounds						Qvalue
48) TAME	9.169	73	403667	29.48	ug/L	99
74) 3,3-dimethyl-1-butanol	11.870	57	1958071m	1114.88	ug/L	
95) Cyclohexanone	13.288	55	64068	132.92	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64324.D
Acq On : 30 Aug 2022 12:01 pm
Operator : joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 15:17:59 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

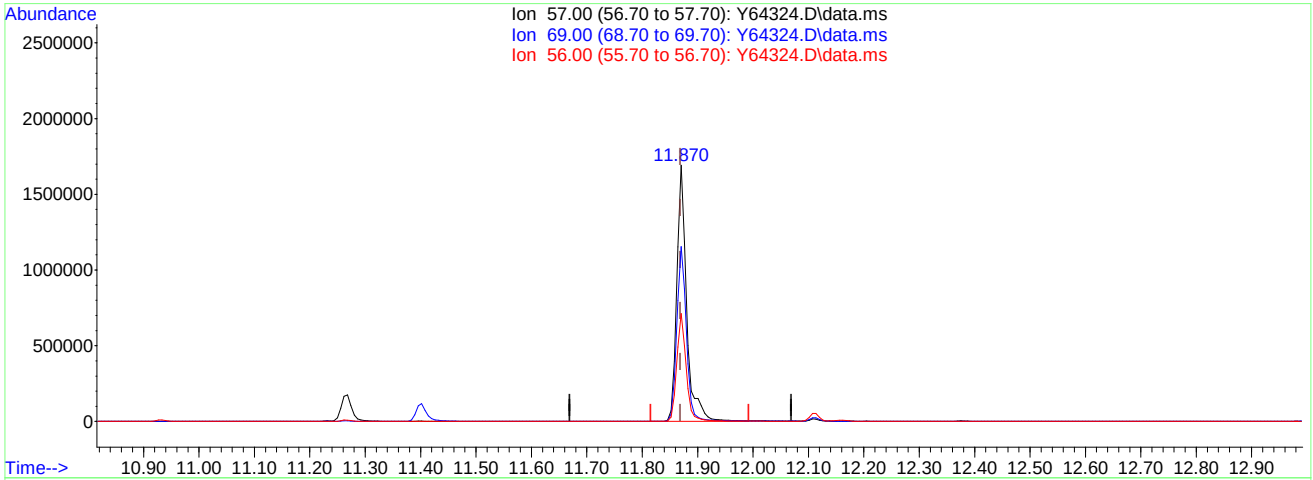
Sample Number: VY2666-ICV2666 **Method:** SW846 8260D
Lab FileID: Y64324.D **Analyst approved:** 08/30/22 15:26 Jo-Ann Lugo De Jesus
Injection Time: 08/30/22 12:01 **Supervisor approved:** 08/30/22 18:34 Shanica O'Connor

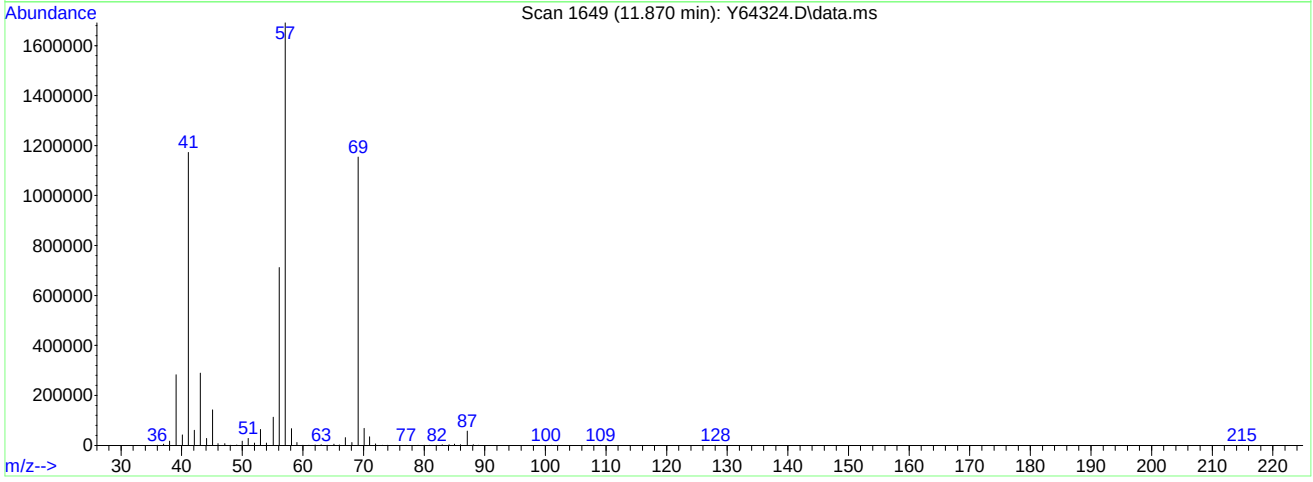
Parameter	CAS	Sig#	R.T. (min.)	Reason
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64324.D
Acq On : 30 Aug 2022 12:01 pm
Operator : joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 15:14:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64324.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (+0.001) 1197.09ug/L

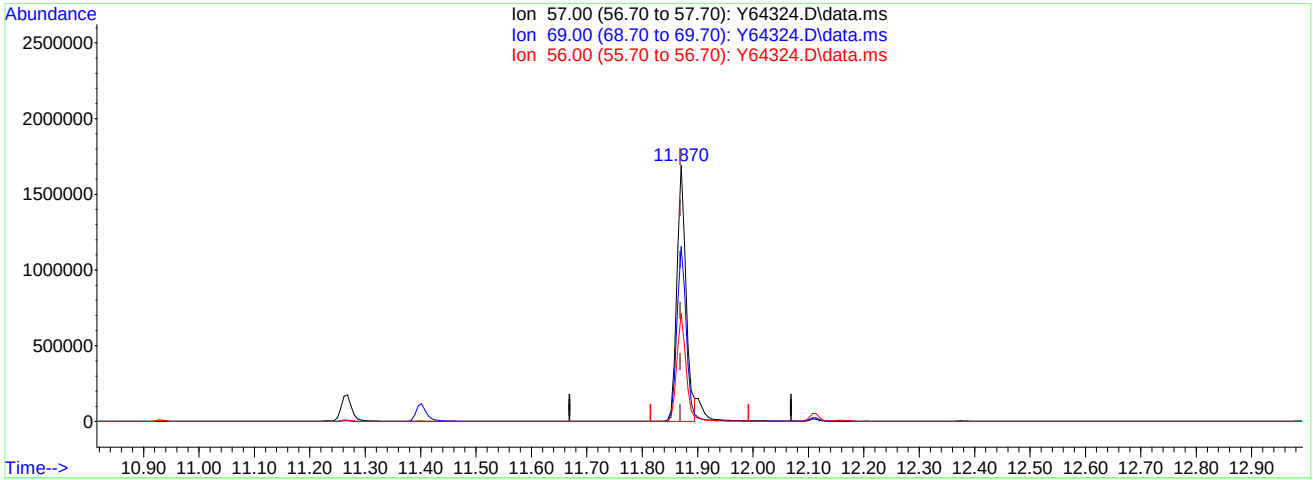
response 2117796

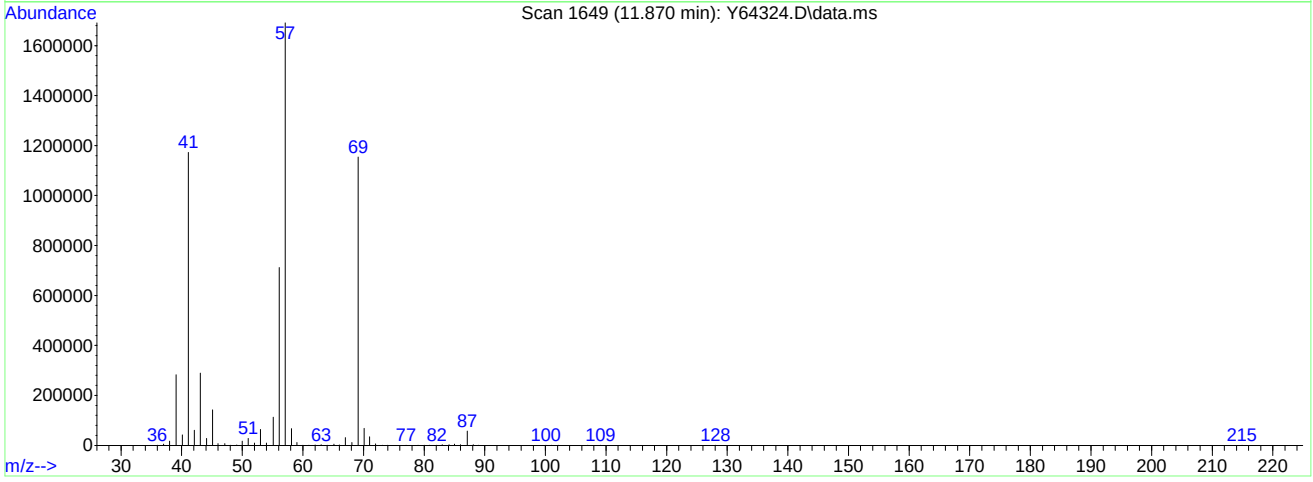
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	68.20
56.00	42.20	42.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64324.D
Acq On : 30 Aug 2022 12:01 pm
Operator : joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 15:14:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64324.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (+0.001) 1114.88ug/L m

response 1958071

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	68.22
56.00	42.20	42.10
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 16:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 02:05:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	593514	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	540662	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	277660	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.596	113	132844	49.96	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.92%			
49) 1,2-Dichloroethane-d4	9.205	65	158557	48.82	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.64%			
63) Toluene-d8	10.932	98	630830	47.17	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.34%			
86) 4-Bromofluorobenzene	13.007	174	195766	46.44	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.847	85	132127	38.82	ug/L	99
3) Acrolein	5.579	56	211872	243.56	ug/L	96
4) Chloromethane	3.176	50	161527	43.70	ug/L	96
5) 1,3-butadiene	3.340	39	129170	38.33	ug/L	92
6) Vinyl Chloride	3.310	62	175871	42.56	ug/L	94
7) Bromomethane	3.833	94	46485	52.25	ug/L	93
8) Chloroethane	4.027	64	77769	55.03	ug/L	97
9) Trichlorofluoromethane	4.247	101	193795	44.47	ug/L	97
10) Ethyl Ether	4.745	59	109281	40.44	ug/L	95
11) Ethanol	4.989	45	54886	714.75	ug/L	99
12) 1,2-Dichlorotrifluoroe...	5.037	67	135069	45.20	ug/L	96
13) 1,1-Dichloroethene	5.050	61	168558	41.66	ug/L	97
14) Freon 113	5.110	101	106296	37.79	ug/L	91
15) Carbon Disulfide	5.098	76	307515	39.97	ug/L	100
16) Iodomethane	5.275	142	37346	50.52	ug/L	78
17) Allyl chloride	5.786	41	175912	45.49	ug/L	98
18) Methylene Chloride	5.956	49	201495	41.83	ug/L	98
19) Acetone	6.035	43	380604	218.44	ug/L	95
20) Methyl acetate	6.224	43	887693	229.92	ug/L	99
21) trans-1,2-Dichloroethene	6.218	61	176357	43.70	ug/L	96
22) Hexane	6.327	56	87796m	40.36	ug/L	
23) Methyl Tert Butyl Ether	6.376	73	389537	41.92	ug/L	97
24) Tert Butyl Alcohol	6.528	59	426175	418.83	ug/L	96
25) Acetonitrile	6.777	41	355163	450.78	ug/L	96
26) Di-isopropyl ether	6.984	45	426489	43.20	ug/L	98
27) Chloroprene	7.173	53	35987	46.90	ug/L	94
28) 1,1-Dichloroethane	7.209	63	230485	43.90	ug/L	97
29) Acrylonitrile	7.294	53	462988	219.62	ug/L	96
30) ETBE	7.574	59	425254	43.22	ug/L	99
31) Vinyl acetate	7.598	43	1778221	218.27	ug/L	99
32) cis-1,2-Dichloroethene	8.030	96	145185	43.41	ug/L	98
33) 2,2-Dichloropropane	8.164	77	204874	47.07	ug/L	99
34) Bromochloromethane	8.286	128	62483	40.02	ug/L	89
35) Cyclohexane	8.292	56	248886	43.01	ug/L	98
36) Chloroform	8.377	83	228857	43.70	ug/L	98
37) Ethyl acetate	8.511	43	1303416	217.14	ug/L	99
38) Tetrahydrofuran	8.584	42	97893	40.76	ug/L	90
40) Carbon Tetrachloride	8.554	117	157116	44.69	ug/L	94
41) 1,1,1-Trichloroethane	8.633	97	203695	44.47	ug/L	97
42) 2-Butanone	8.742	43	685283	216.21	ug/L	99
43) 1,1-Dichloropropene	8.779	75	193208	46.26	ug/L	98
44) tert-Butyl formate	8.894	59	664584	247.60	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 02:05:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	9.077	54	456869	450.57	ug/L		93
46)	Methacrylonitrile	9.101	41	1533939	455.93	ug/L		100
47)	Benzene	9.059	78	601155	44.27	ug/L		98
48)	TAME	9.168	73	418290	43.51	ug/L		97
50)	Isobutyl Alcohol	9.271	42	254094	889.11	ug/L		96
51)	1,2-Dichloroethane	9.278	62	189776	44.30	ug/L		98
52)	Tert Amyl Alcohol	9.369	59	391980m	442.67	ug/L		
53)	Trichloroethene	9.673	95	148754	45.23	ug/L		96
54)	Methylcyclohexane	9.661	83	244868	42.62	ug/L		96
55)	Dibromomethane	10.087	93	84009	45.25	ug/L		84
56)	1,2-Dichloropropane	10.172	63	147105	45.15	ug/L		97
57)	Bromodichloromethane	10.227	83	162282	46.71	ug/L		97
58)	Methyl methacrylate	10.342	41	182386	47.22	ug/L		97
59)	1,4-Dioxane	10.409	88	55102	757.16	ug/L		95
60)	2-Chloroethyl vinyl ether	10.707	63	236505	249.85	ug/L		98
61)	cis-1,3-Dichloropropene	10.780	75	222415	46.92	ug/L		99
64)	Toluene	10.975	91	656156	39.70	ug/L		97
65)	2-Nitropropane	11.169	41	346920	211.24	ug/L		98
66)	4-Methyl-2-pentanone	11.261	43	1378192	201.64	ug/L		98
67)	trans-1,3-Dichloropropene	11.309	75	194549	42.53	ug/L		96
68)	Tetrachloroethene	11.303	166	141099	35.32	ug/L		93
69)	Ethyl methacrylate	11.401	69	242503	43.29	ug/L		98
70)	1,1,2-Trichloroethane	11.443	83	117630	40.91	ug/L		97
71)	Dibromochloromethane	11.589	129	123985	40.17	ug/L		98
72)	1,3-Dichloropropane	11.656	76	251257	40.04	ug/L		99
73)	1,2-Dibromoethane	11.790	107	142199	40.06	ug/L		97
74)	3,3-dimethyl-1-butanol	11.869	57	2704861m	1853.69	ug/L		
75)	2-hexanone	11.900	43	1110771	191.69	ug/L		99
76)	1-Chlorohexane	12.112	91	217952	43.82	ug/L		98
77)	Ethylbenzene	12.155	91	738016	40.52	ug/L		99
78)	Chlorobenzene	12.167	112	394522	38.86	ug/L		87
79)	1,1,1,2-Tetrachloroethane	12.204	131	126305	39.20	ug/L		96
80)	m,p-Xylene	12.258	91	1128447	80.19	ug/L		99
81)	o-Xylene	12.569	91	549399	40.68	ug/L		99
82)	Styrene	12.605	104	412579	41.91	ug/L		95
83)	Bromoform	12.666	173	78221	36.85	ug/L		95
84)	Isopropylbenzene	12.782	105	681392	39.67	ug/L		100
87)	cis-1,4-Dichloro-2-butene	13.031	53	77487	48.12	ug/L		99
88)	n-Propylbenzene	13.068	91	814413	39.97	ug/L		99
89)	Bromobenzene	13.098	156	149151	36.69	ug/L	#	81
90)	1,1,2,2-Tetrachloroethane	13.122	83	244941	43.22	ug/L		97
91)	1,3,5-Trimethylbenzene	13.177	105	548019	39.36	ug/L		99
92)	2-Chlorotoluene	13.201	91	525317	39.70	ug/L		98
93)	trans-1,4-Dichloro-2-B...	13.238	53	68014	45.48	ug/L		96
94)	1,2,3-Trichloropropane	13.232	110	79555	42.32	ug/L		97
95)	Cyclohexanone	13.287	55	71259	194.34	ug/L		96
96)	4-Chlorotoluene	13.311	91	476928	40.49	ug/L		97
97)	tert-Butylbenzene	13.414	91	295851	38.56	ug/L		98
98)	1,2,4-Trimethylbenzene	13.457	105	546230	39.97	ug/L		100
99)	Pentachloroethane	13.463	167	82140	38.57	ug/L		88
100)	sec-Butylbenzene	13.530	105	632685	38.02	ug/L		99
101)	4-Isopropyltoluene	13.609	119	533409	38.15	ug/L		97
102)	1,3-Dichlorobenzene	13.725	146	269494	36.84	ug/L		96
103)	1,2,3-Trimethylbenzene	13.761	105	563545	40.78	ug/L		99
104)	1,4-Dichlorobenzene	13.779	146	286598	36.96	ug/L		99
105)	n-Butylbenzene	13.895	92	268443	38.70	ug/L		96
106)	Benzyl Chloride	13.931	126	102056	43.19	ug/L	#	89
107)	1,2-Dichlorobenzene	14.071	146	271874	38.01	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 02:05:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

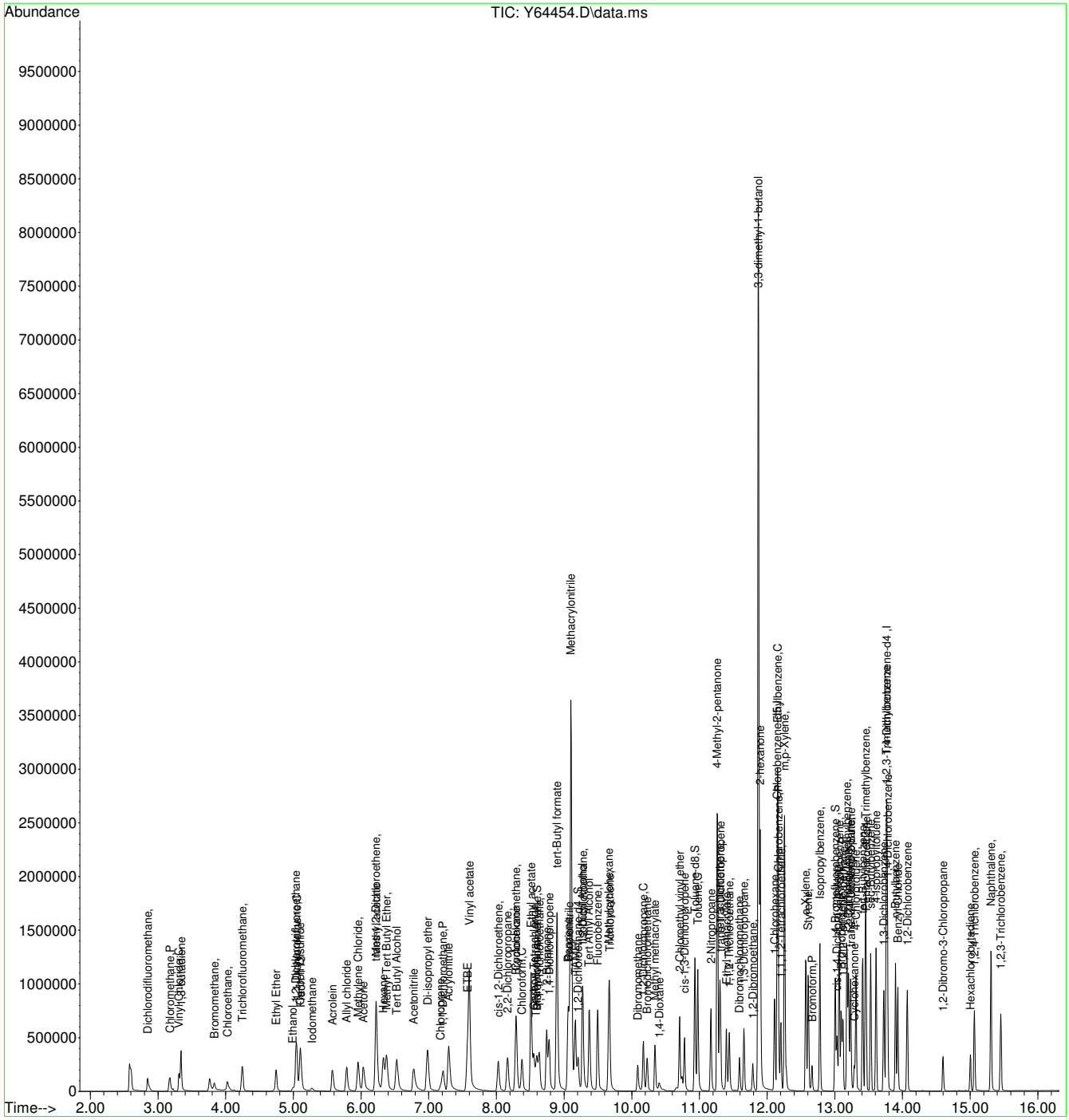
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.601	75	58965	44.67	ug/L	92
109) Hexachlorobutadiene	15.002	225	43061	31.65	ug/L	80
110) 1,2,4-Trichlorobenzene	15.063	180	166101	35.52	ug/L	94
111) Naphthalene	15.306	128	813598	40.40	ug/L	100
112) 1,2,3-Trichlorobenzene	15.452	180	164675	35.14	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 02:05:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



Manual Integration Approval Summary

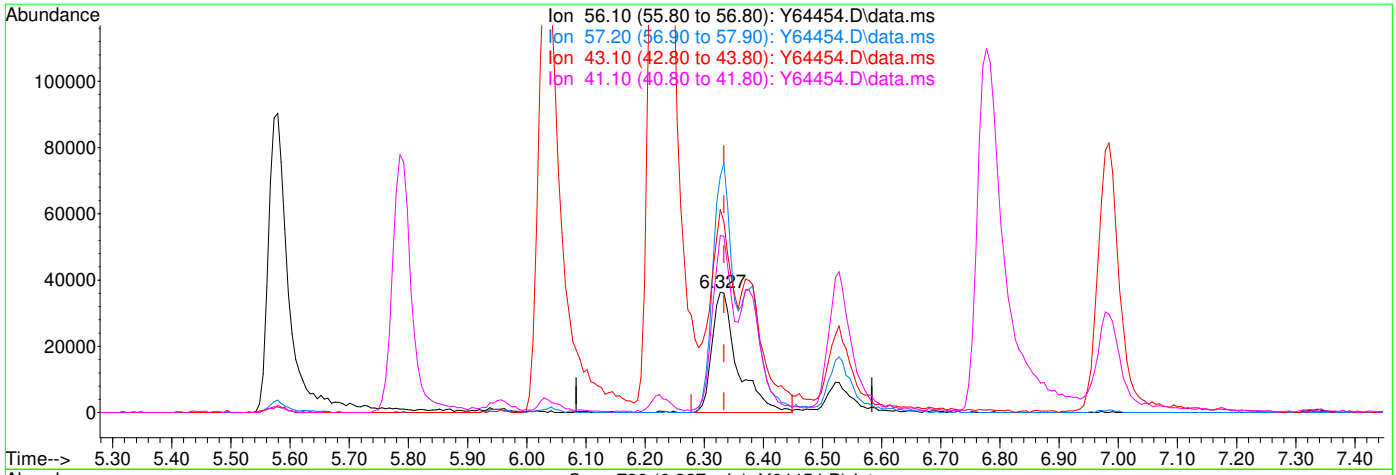
Sample Number: VY2672-CC2666
Lab FileID: Y64454.D
Injection Time: 09/03/22 10:28
Method: SW846 8260D
Analyst approved: 09/07/22 10:29 Adelard Lefebvre
Supervisor approved: 09/07/22 16:33 Karen Watson

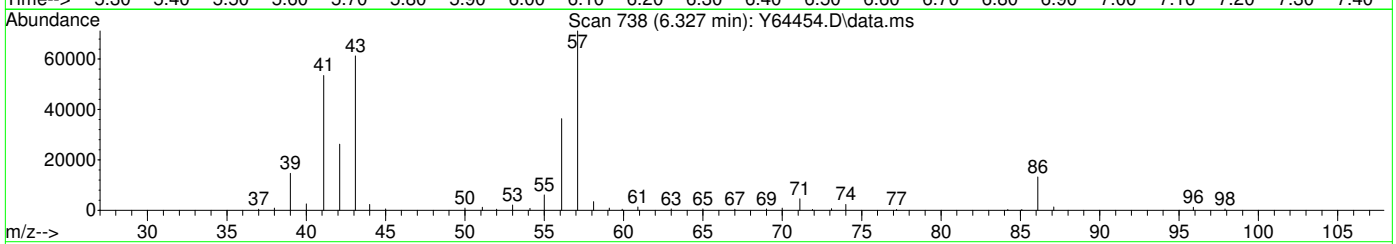
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.37	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

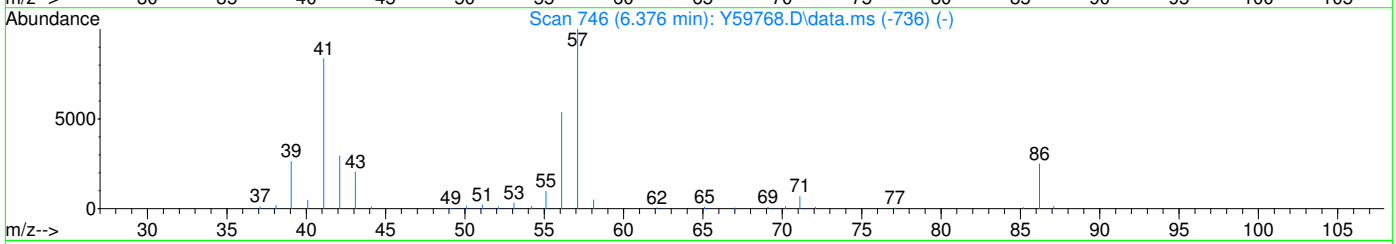
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-4
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 01:41:31 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64454.D\data.ms

(22) Hexane

6.327min (-0.006) 50.05ug/L

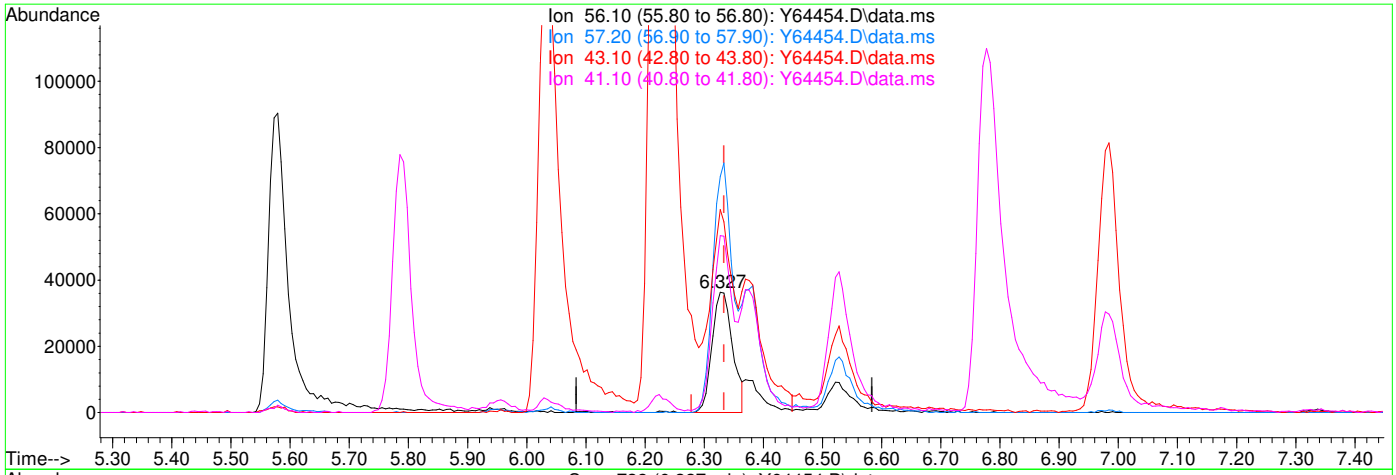
response 108870

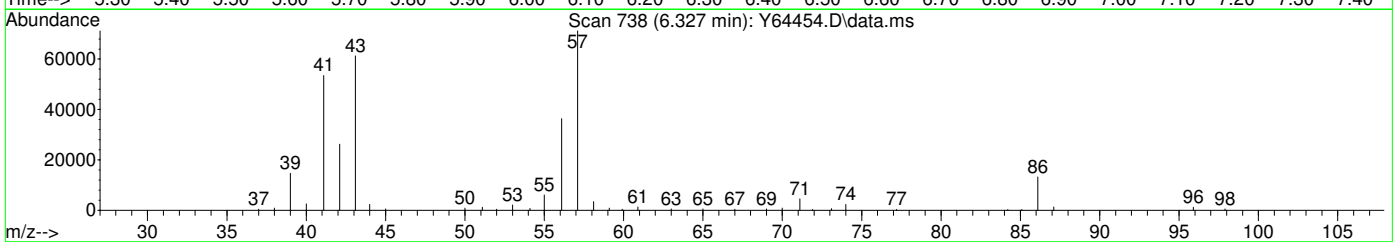
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	195.91
43.10	151.00	154.63
41.10	129.70	145.27

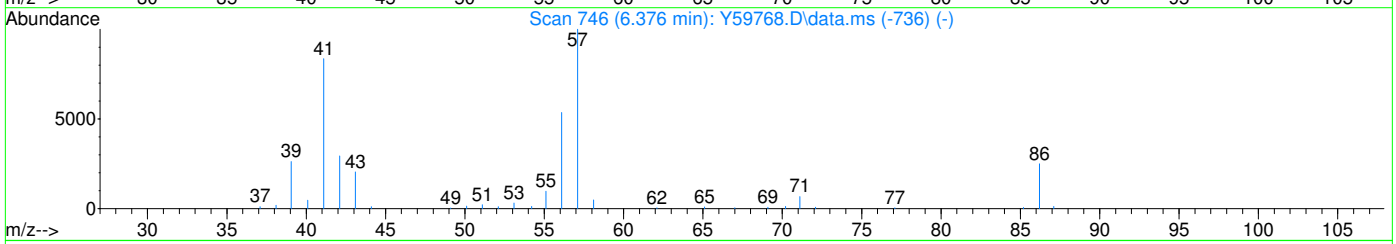
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-4
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 01:41:31 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64454.D\data.ms

(22) Hexane

6.327min (-0.006) 40.36ug/L m

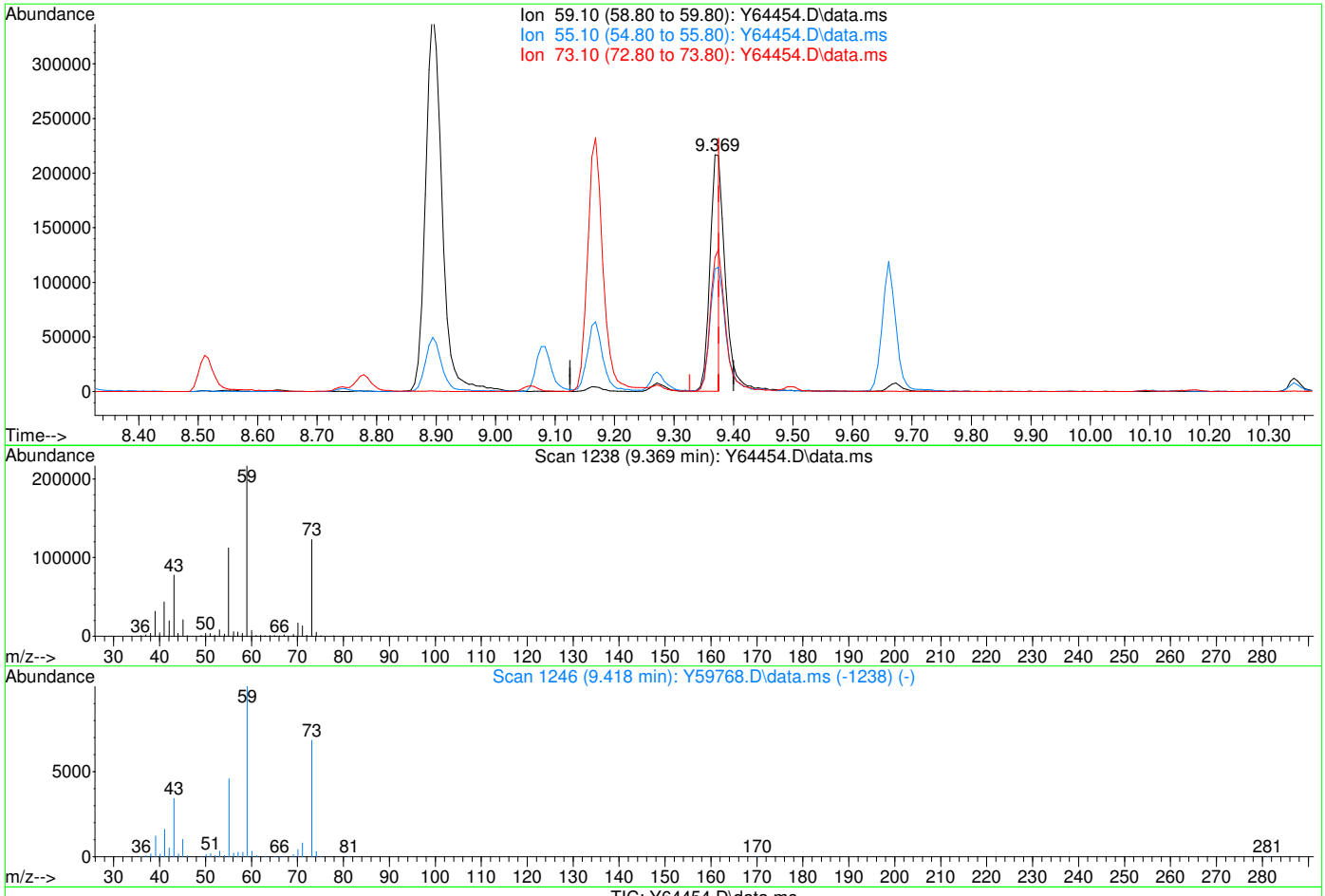
response 87796

Ion	Exp%	Act%
56.10	100	100
57.20	192.30	195.91
43.10	151.00	168.49
41.10	129.70	146.97

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-4
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 01:41:31 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



TIC: Y64454.D\data.ms

(52) Tert Amyl Alcohol

9.369min (-0.006) 296.91ug/L

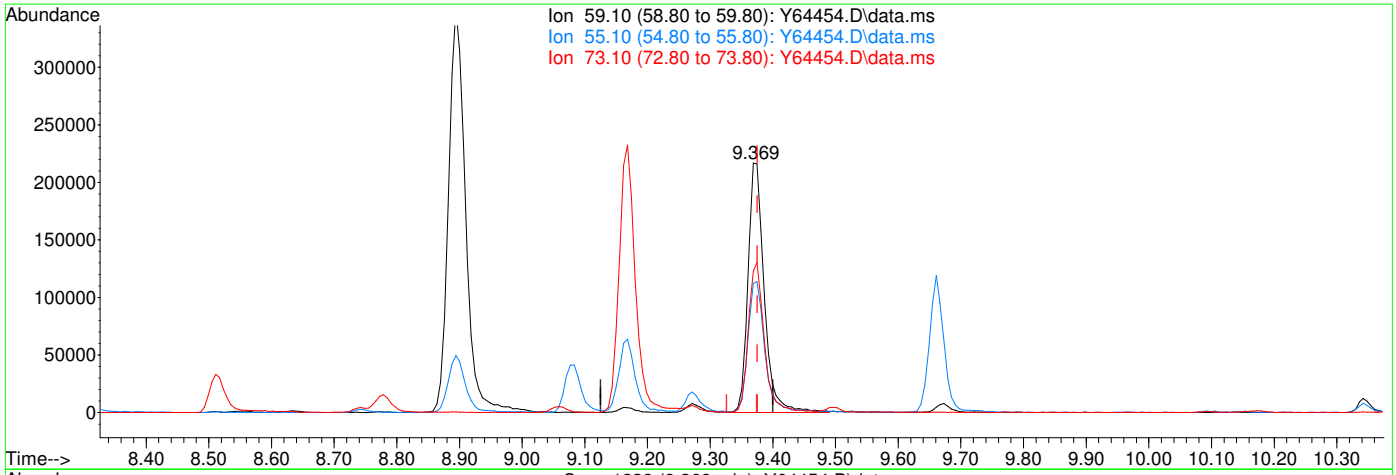
response 246986

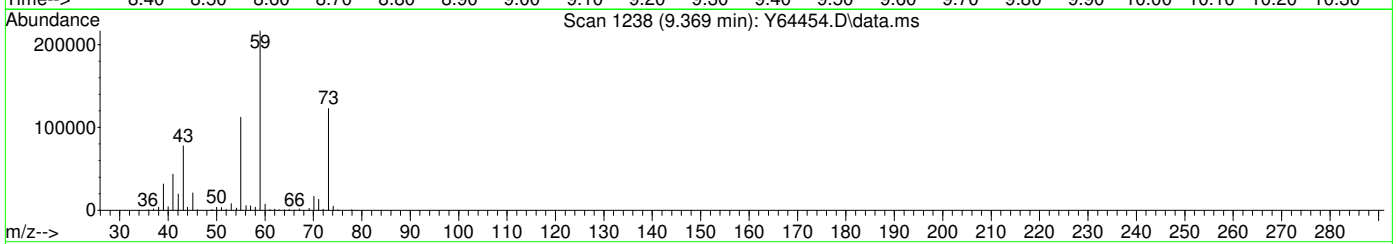
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	51.68
73.10	59.00	56.58
0.00	0.00	0.00

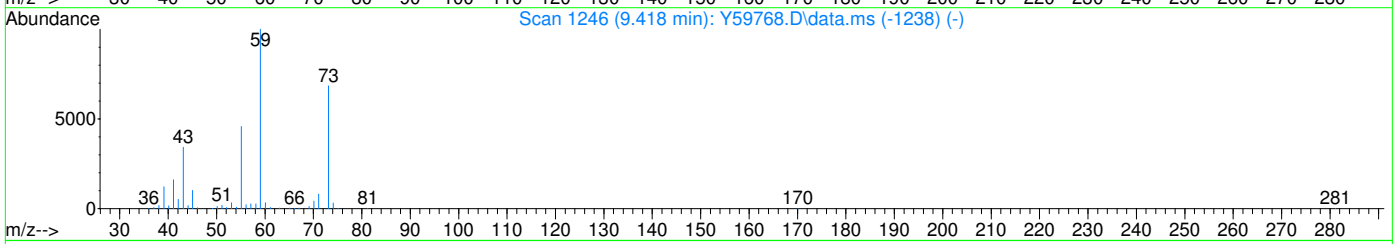
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-4
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 01:41:31 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64454.D\data.ms

(52) Tert Amyl Alcohol

9.369min (-0.006) 442.67ug/L m

response 391980

Ion	Exp%	Act%
59.10	100	100
55.10	51.70	51.77
73.10	59.00	56.63
0.00	0.00	0.00

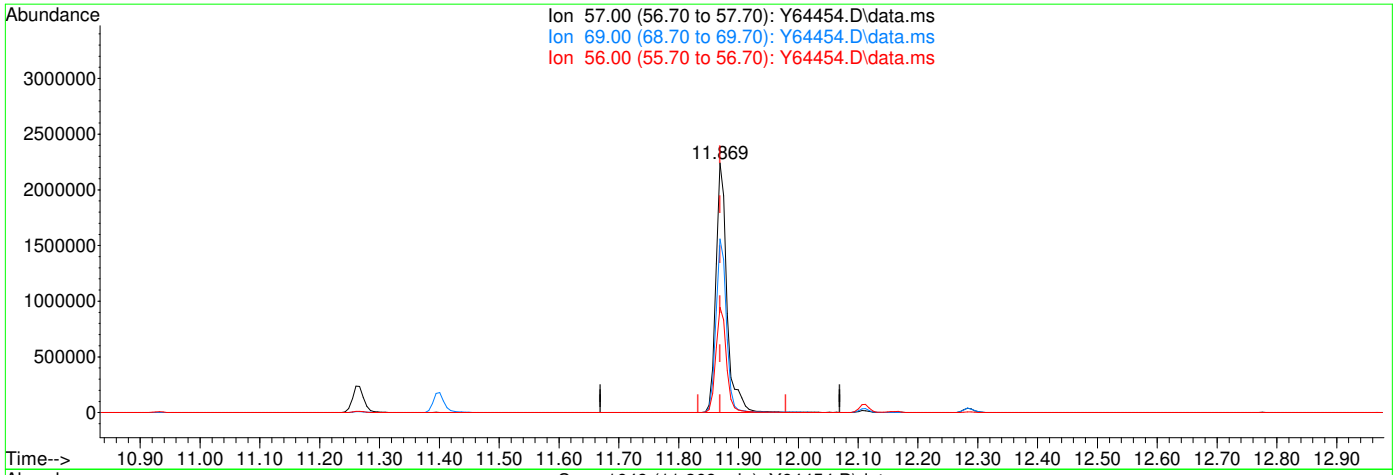
SGS 828 of 1200
FA98431

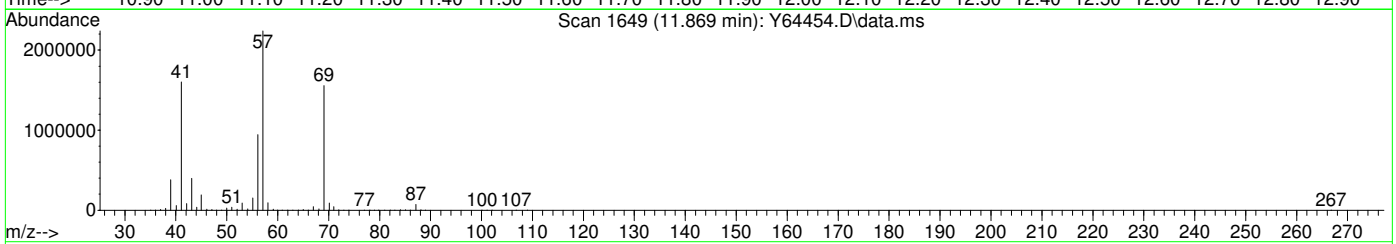
Y64454.D edits: Tert Amyl Alcohol

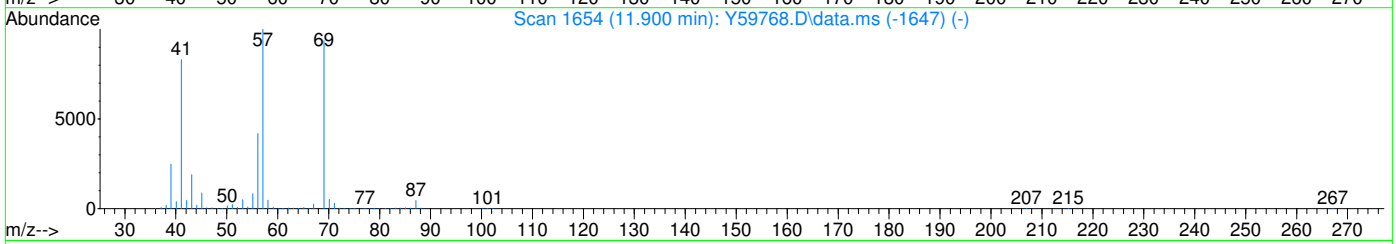
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-4
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 01:41:31 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64454.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (+0.000) 1963.91ug/L

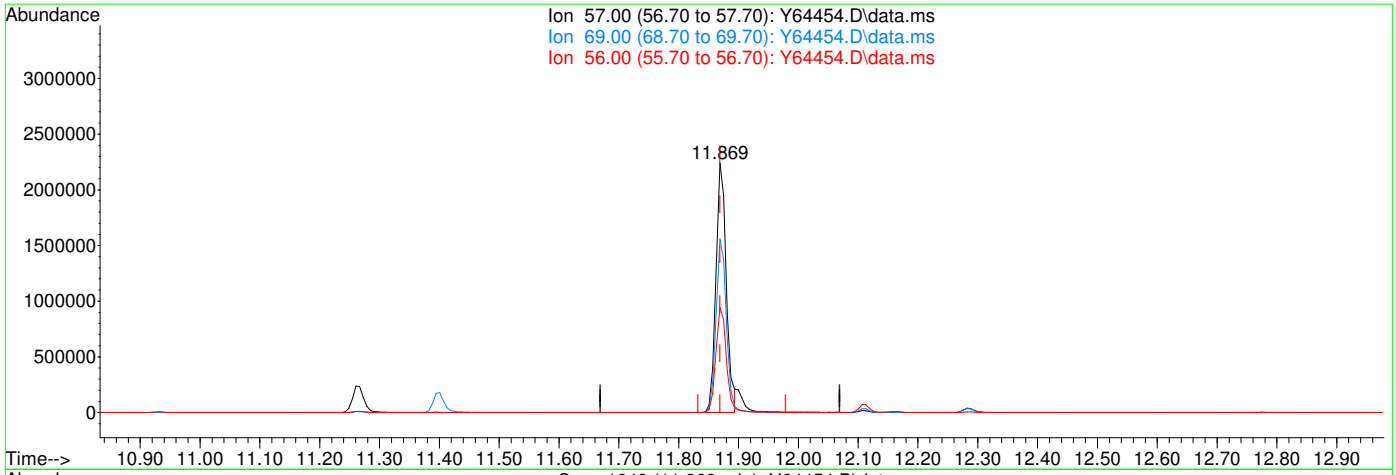
response 2892024

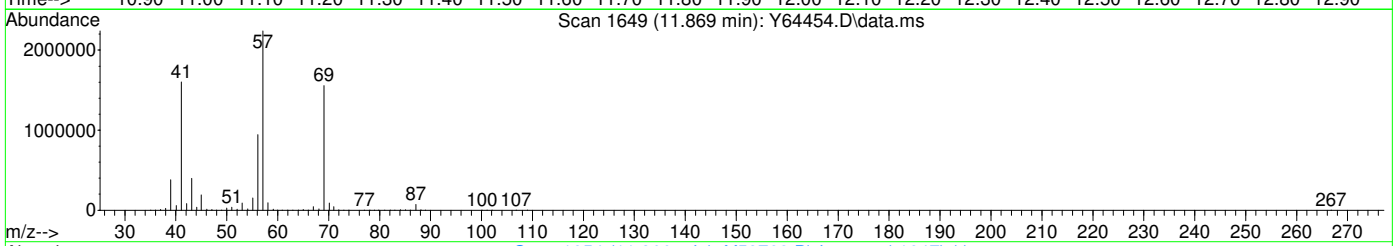
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	69.47
56.00	42.20	42.14
0.00	0.00	0.00

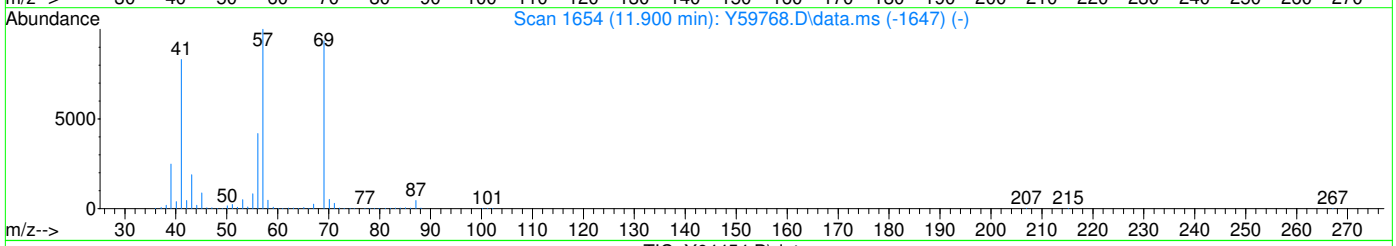
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64454.D
Acq On : 3 Sep 2022 10:28 am
Operator : adelardl
Sample : CC2666-4
Misc : MS52207,VY2672,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 05 01:41:31 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64454.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (+0.000) 1853.69ug/L m

response 2704861

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	69.48
56.00	42.20	42.14
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 16:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64481.D
Acq On : 3 Sep 2022 9:33 pm
Operator : adelardl
Sample : ECC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 05 02:26:38 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	9.499	96	547950	50.00	ug/L		0.00
62) Chlorobenzene-d5	12.152	117	509611	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.770	152	259278	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.605	113	123660	50.37	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.74%				
49) 1,2-Dichloroethane-d4	9.207	65	151310	50.46	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.92%				
63) Toluene-d8	10.935	98	597447	47.40	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.80%				
86) 4-Bromofluorobenzene	13.009	174	177170	45.01	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 90.02%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.844	85	116934	37.26	ug/L		98
3) Acrolein	5.581	56	180047	226.19	ug/L		98
4) Chloromethane	3.178	50	153131	44.87	ug/L		96
5) 1,3-butadiene	3.337	39	154952	49.80	ug/L		95
6) Vinyl Chloride	3.312	62	154777	40.57	ug/L		93
7) Bromomethane	3.829	94	21101	28.87	ug/L		89
8) Chloroethane	4.024	64	71460	54.77	ug/L		99
9) Trichlorofluoromethane	4.237	101	179126	44.52	ug/L		96
10) Ethyl Ether	4.748	59	107145	42.95	ug/L		91
11) Ethanol	5.004	45	87508	1091.81	ug/L		97
12) 1,2-Dichlorotrifluoroe...	5.040	67	124458	45.12	ug/L		95
13) 1,1-Dichloroethene	5.046	61	157125	42.06	ug/L		97
14) Freon 113	5.107	101	91089	35.08	ug/L		93
15) Carbon Disulfide	5.101	76	277356	39.05	ug/L		98
16) Iodomethane	5.271	142	14583	23.47	ug/L		81
17) Allyl chloride	5.788	41	162418	45.49	ug/L		99
18) Methylene Chloride	5.959	49	208055	46.78	ug/L		97
19) Acetone	6.038	43	372584	230.81	ug/L		97
20) Methyl acetate	6.226	43	879076	246.62	ug/L		100
21) trans-1,2-Dichloroethene	6.214	61	167667	45.01	ug/L		95
22) Hexane	6.330	56	72269	35.99	ug/L	#	79
23) Methyl Tert Butyl Ether	6.378	73	367977	42.89	ug/L		91
24) Tert Butyl Alcohol	6.537	59	461994	481.47	ug/L		98
25) Acetonitrile	6.786	41	363654	495.29	ug/L		93
26) Di-isopropyl ether	6.987	45	420299	46.11	ug/L		97
27) Chloroprene	7.175	53	32931	46.51	ug/L		96
28) 1,1-Dichloroethane	7.212	63	223306	46.06	ug/L		99
29) Acrylonitrile	7.297	53	443207	227.23	ug/L		98
30) ETBE	7.577	59	414508	45.63	ug/L		99
31) Vinyl acetate	7.601	43	1627532	216.54	ug/L		98
32) cis-1,2-Dichloroethene	8.027	96	137426	44.50	ug/L		97
33) 2,2-Dichloropropane	8.167	77	162427	40.42	ug/L		95
34) Bromochloromethane	8.289	128	57058	39.58	ug/L	#	85
35) Cyclohexane	8.295	56	225885	42.28	ug/L		99
36) Chloroform	8.380	83	225283	46.60	ug/L		97
37) Ethyl acetate	8.514	43	1235897	222.90	ug/L		99
38) Tetrahydrofuran	8.587	42	95671	43.14	ug/L		95
40) Carbon Tetrachloride	8.556	117	133330	41.08	ug/L		97
41) 1,1,1-Trichloroethane	8.635	97	182865	43.25	ug/L		97
42) 2-Butanone	8.745	43	660514	225.73	ug/L		100
43) 1,1-Dichloropropene	8.781	75	177665	46.08	ug/L		95
44) tert-Butyl formate	8.897	59	600946	242.51	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64481.D
Acq On : 3 Sep 2022 9:33 pm
Operator : adelardl
Sample : ECC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 05 02:26:38 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	9.079	54	454809	482.09	ug/L		95
46) Methacrylonitrile	9.104	41	1431031	460.09	ug/L		99
47) Benzene	9.061	78	569050	45.39	ug/L		98
48) TAME	9.171	73	397851	44.83	ug/L		98
50) Isobutyl Alcohol	9.274	42	275346	1012.80	ug/L		97
51) 1,2-Dichloroethane	9.280	62	181838	45.98	ug/L		98
52) Tert Amyl Alcohol	9.378	59	407845m	489.39	ug/L		
53) Trichloroethene	9.676	95	140319	46.21	ug/L		94
54) Methylcyclohexane	9.663	83	223861	42.21	ug/L		98
55) Dibromomethane	10.089	93	79922	46.62	ug/L		87
56) 1,2-Dichloropropane	10.168	63	142345	47.33	ug/L		97
57) Bromodichloromethane	10.229	83	152282	47.47	ug/L		97
58) Methyl methacrylate	10.345	41	173230	48.43	ug/L		98
59) 1,4-Dioxane	10.406	88	77807	1099.42	ug/L		98
60) 2-Chloroethyl vinyl ether	10.710	63	231704	264.10	ug/L		99
61) cis-1,3-Dichloropropene	10.777	75	201088	46.01	ug/L		99
64) Toluene	10.977	91	628038	40.31	ug/L		97
65) 2-Nitropropane	11.172	41	325259	210.12	ug/L		99
66) 4-Methyl-2-pentanone	11.263	43	1318305	204.35	ug/L		97
67) trans-1,3-Dichloropropene	11.312	75	172336	40.07	ug/L		85
68) Tetrachloroethene	11.300	166	131147	34.83	ug/L		90
69) Ethyl methacrylate	11.397	69	223351	42.37	ug/L		93
70) 1,1,2-Trichloroethane	11.440	83	108284	39.96	ug/L		97
71) Dibromochloromethane	11.592	129	109830	37.76	ug/L		99
72) 1,3-Dichloropropane	11.659	76	241819	40.88	ug/L		100
73) 1,2-Dibromoethane	11.787	107	130544	39.02	ug/L		95
74) 3,3-dimethyl-1-butanol	11.872	57	2791555m	2004.48	ug/L		
75) 2-hexanone	11.896	43	1052060	192.25	ug/L		98
76) 1-Chlorohexane	12.109	91	197181	42.06	ug/L		89
77) Ethylbenzene	12.158	91	698204	40.67	ug/L		98
78) Chlorobenzene	12.164	112	370748	38.75	ug/L		95
79) 1,1,1,2-Tetrachloroethane	12.200	131	112623	37.08	ug/L		96
80) m,p-Xylene	12.255	91	1077401	81.23	ug/L		100
81) o-Xylene	12.571	91	525670	41.29	ug/L		100
82) Styrene	12.608	104	382552	41.22	ug/L		95
83) Bromoform	12.663	173	64164	32.54	ug/L		92
84) Isopropylbenzene	12.778	105	653673	40.37	ug/L		97
87) cis-1,4-Dichloro-2-butene	13.028	53	32583	21.67	ug/L	#	86
88) n-Propylbenzene	13.064	91	818502	43.01	ug/L		93
89) Bromobenzene	13.095	156	133014	35.04	ug/L	#	61
90) 1,1,2,2-Tetrachloroethane	13.119	83	223110	42.15	ug/L		99
91) 1,3,5-Trimethylbenzene	13.180	105	542977	41.77	ug/L		99
92) 2-Chlorotoluene	13.204	91	515236	41.69	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.234	53	32213	23.07	ug/L	#	1
94) 1,2,3-Trichloropropane	13.234	110	73509	41.86	ug/L		96
95) Cyclohexanone	13.289	55	82377	240.58	ug/L		96
96) 4-Chlorotoluene	13.314	91	462639	42.06	ug/L		99
97) tert-Butylbenzene	13.411	91	302367	42.21	ug/L		94
98) 1,2,4-Trimethylbenzene	13.453	105	527714	41.35	ug/L		95
99) Pentachloroethane	13.460	167	62093	31.41	ug/L	#	60
100) sec-Butylbenzene	13.533	105	665042	42.80	ug/L		99
101) 4-Isopropyltoluene	13.612	119	539638	41.34	ug/L		99
102) 1,3-Dichlorobenzene	13.721	146	244105	35.74	ug/L		93
103) 1,2,3-Trimethylbenzene	13.764	105	532309	41.25	ug/L		100
104) 1,4-Dichlorobenzene	13.782	146	262735	36.29	ug/L		98
105) n-Butylbenzene	13.898	92	284259	43.88	ug/L		95
106) Benzyl Chloride	13.934	126	69995	32.52	ug/L	#	87
107) 1,2-Dichlorobenzene	14.074	146	242414	36.29	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64481.D
Acq On : 3 Sep 2022 9:33 pm
Operator : adelardl
Sample : ECC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 05 02:26:38 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

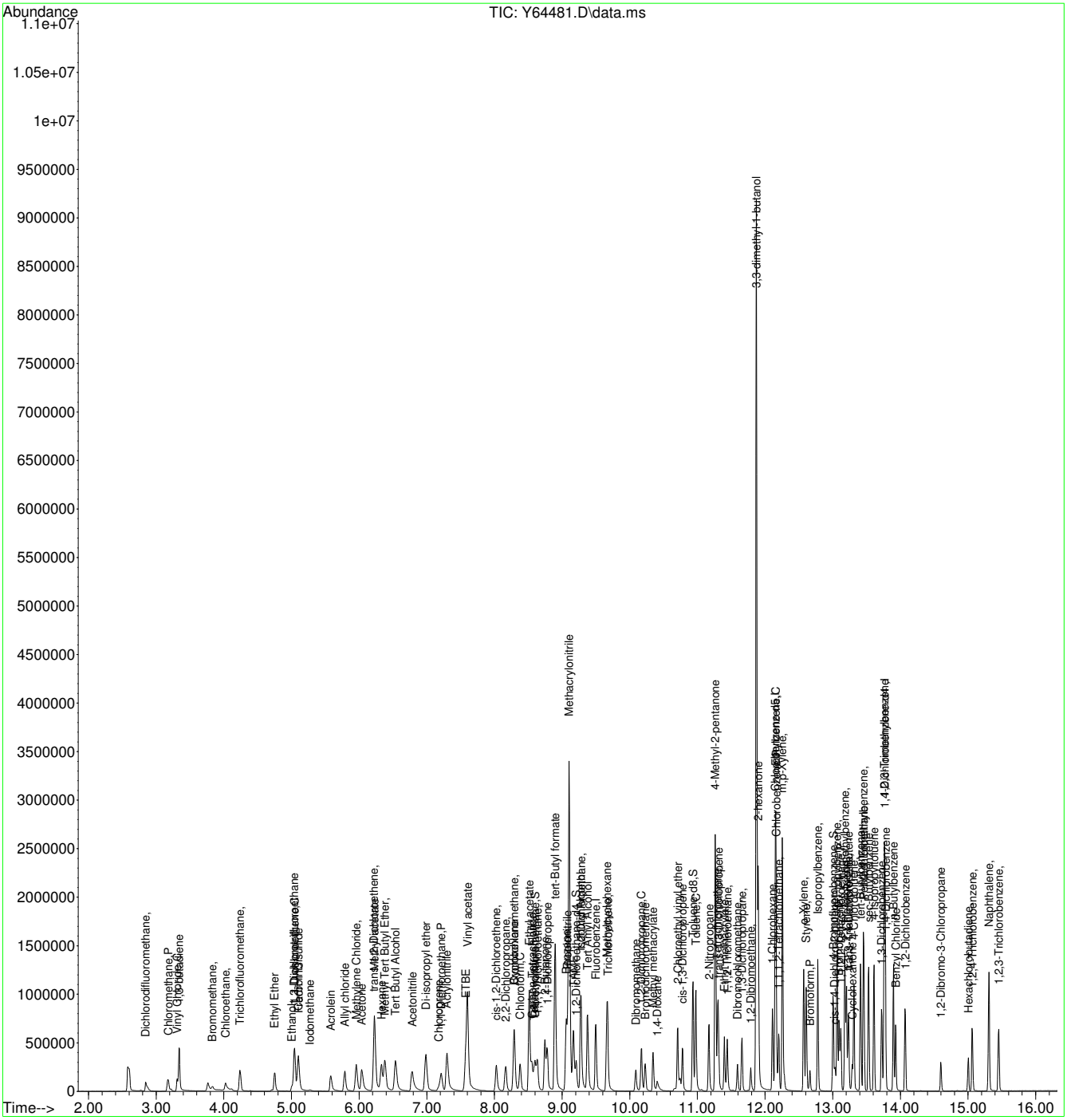
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.597	75	54836	44.48	ug/L	81
109) Hexachlorobutadiene	15.005	225	40258	31.69	ug/L	88
110) 1,2,4-Trichlorobenzene	15.066	180	142078	32.54	ug/L	98
111) Naphthalene	15.309	128	746082	39.67	ug/L	100
112) 1,2,3-Trichlorobenzene	15.455	180	146491	33.47	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64481.D
Acq On : 3 Sep 2022 9:33 pm
Operator : adelardl
Sample : ECC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 05 02:26:38 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



Manual Integration Approval Summary

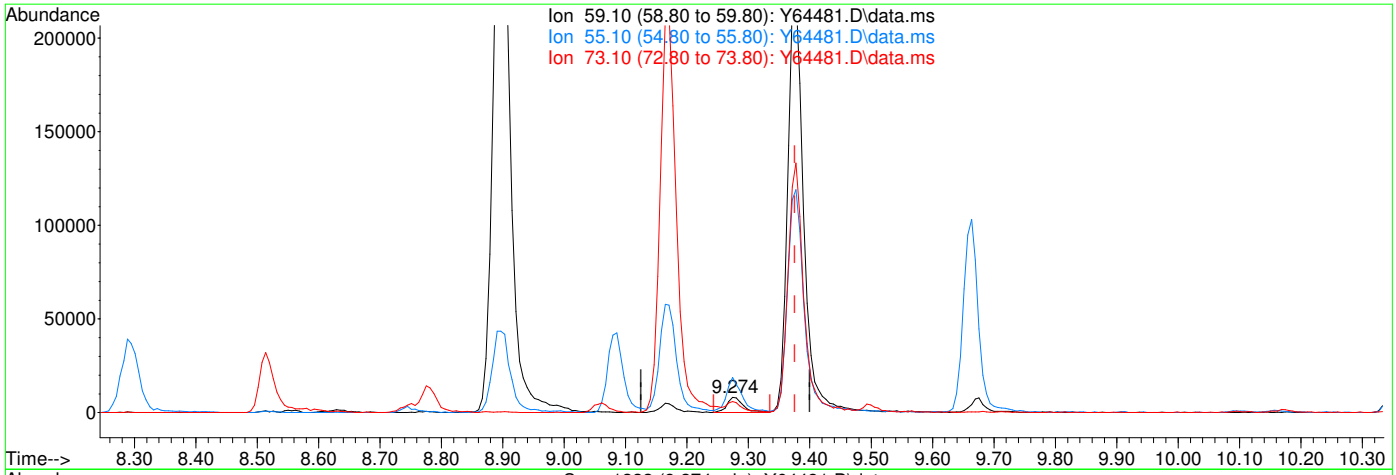
Sample Number: VY2672-ECC2666
Lab FileID: Y64481.D
Injection Time: 09/03/22 21:33
Method: SW846 8260D
Analyst approved: 09/07/22 10:29 Adelard Lefebvre
Supervisor approved: 09/07/22 16:33 Karen Watson

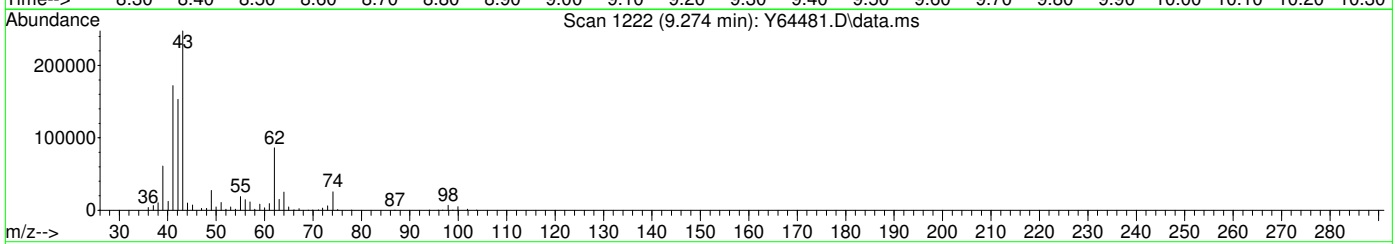
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

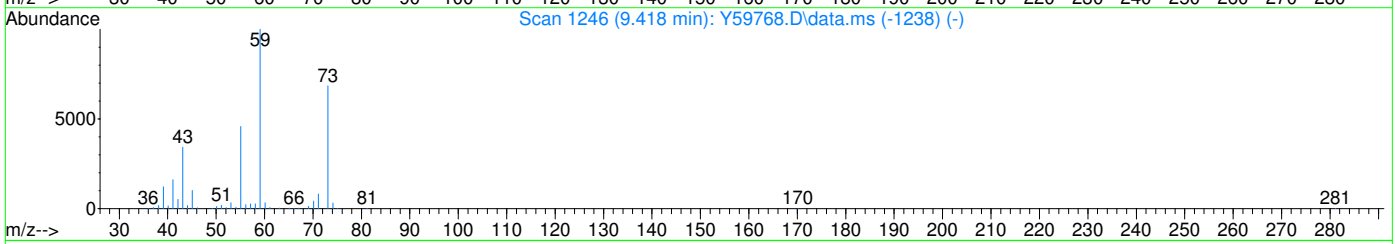
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64481.D
Acq On : 3 Sep 2022 9:33 pm
Operator : adelardl
Sample : ECC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 05 01:43:20 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64481.D\data.ms

(52) Tert Amyl Alcohol

9.274min (-0.101) 22.50ug/L

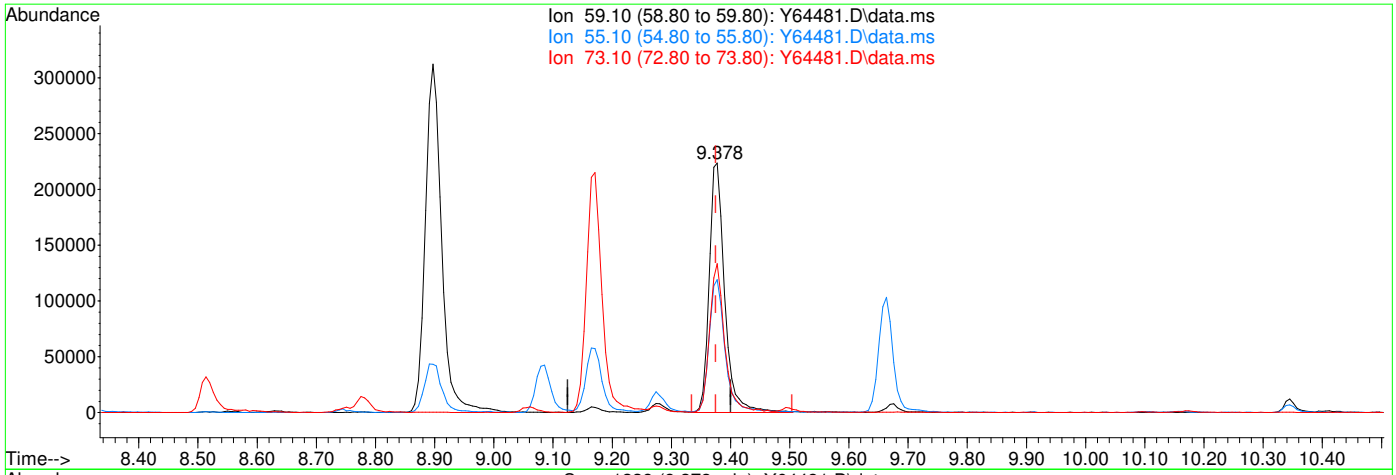
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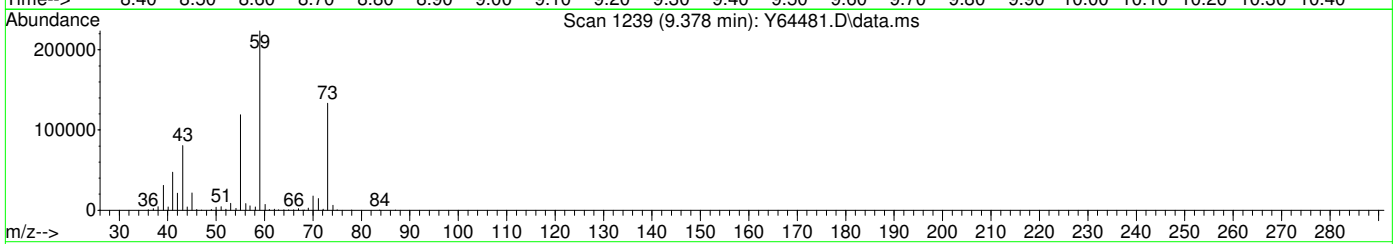
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	219.32#
73.10	59.00	66.33
0.00	0.00	0.00

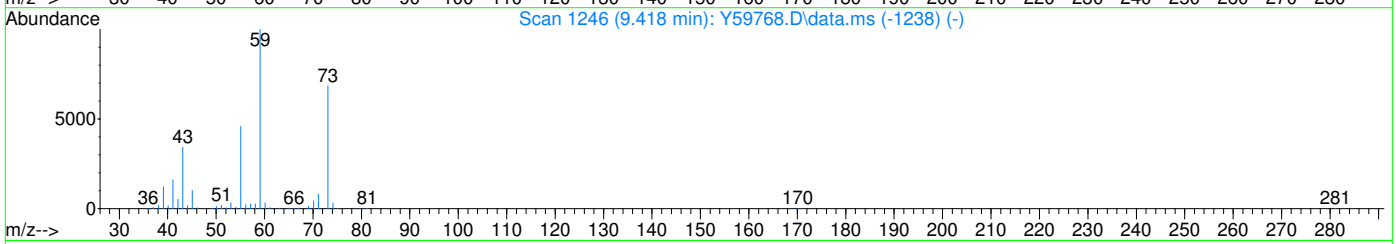
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64481.D
Acq On : 3 Sep 2022 9:33 pm
Operator : adelardl
Sample : ECC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 05 01:43:20 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64481.D\data.ms

(52) Tert Amyl Alcohol

9.378min (+0.003) 489.39ug/L m

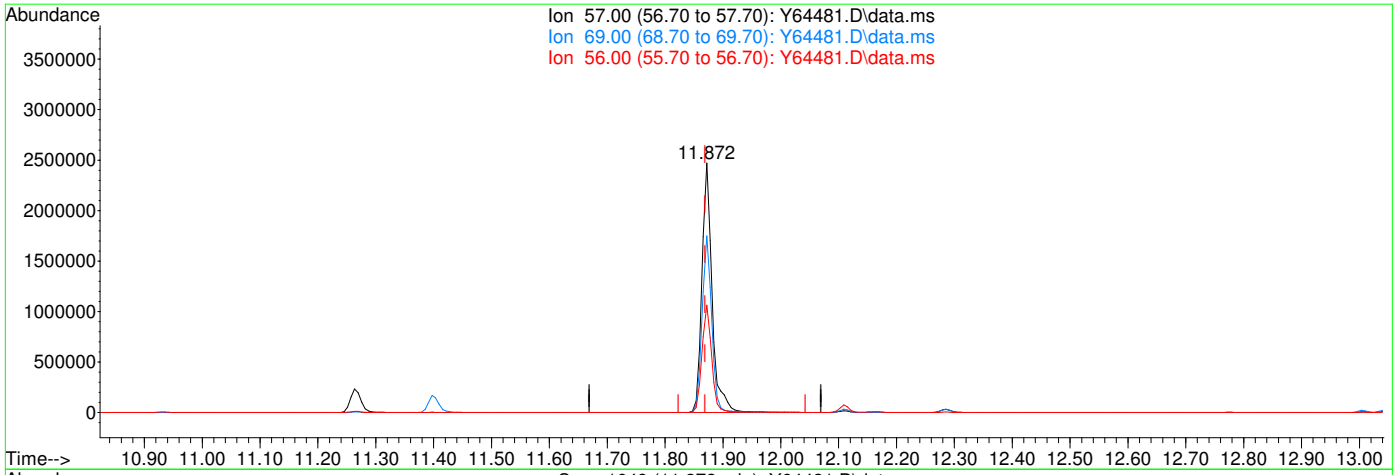
response 407845

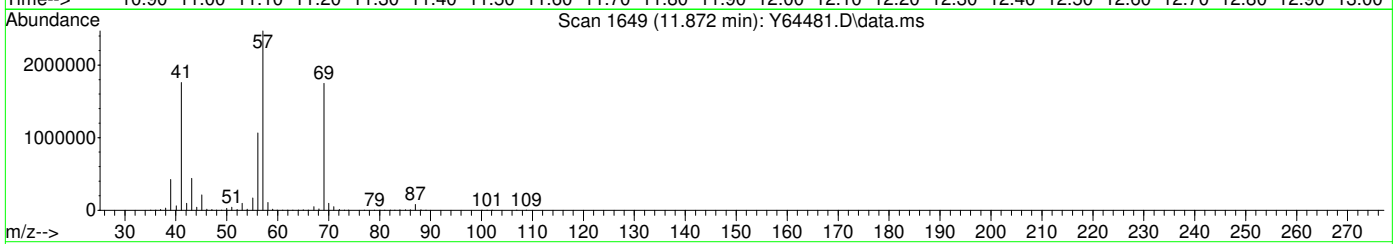
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	53.25
73.10	59.00	59.63
0.00	0.00	0.00

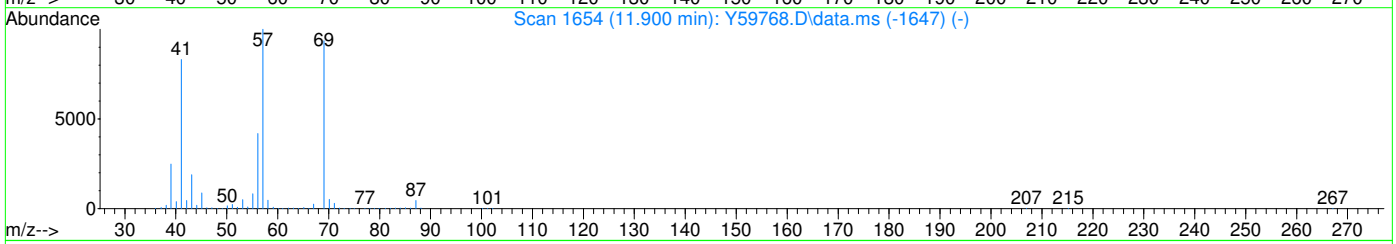
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64481.D
Acq On : 3 Sep 2022 9:33 pm
Operator : adelardl
Sample : ECC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 05 01:43:20 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64481.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.872min (+0.003) 2157.11ug/L

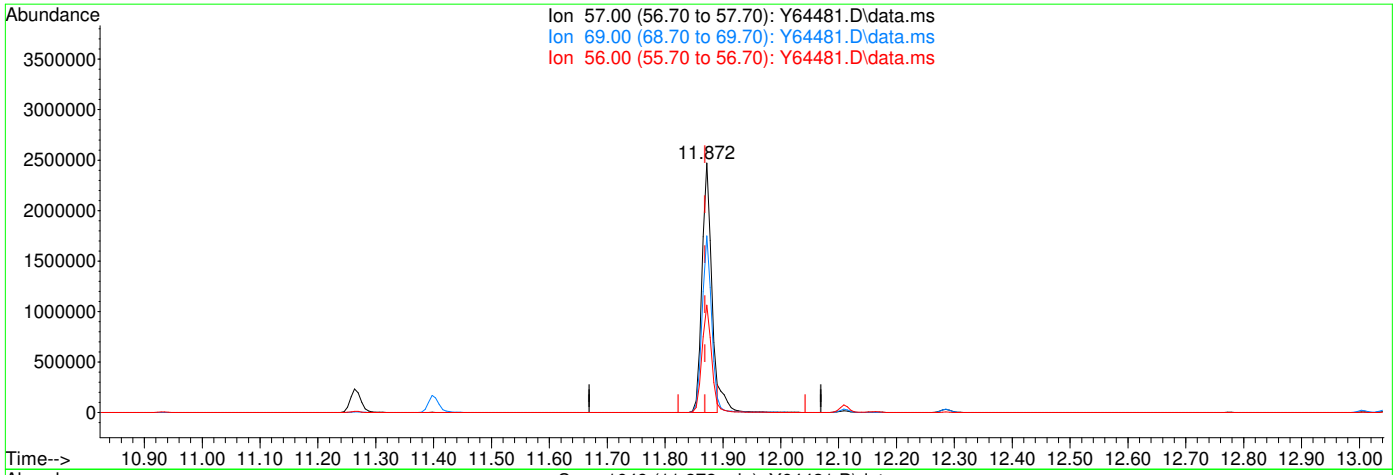
response 3041859

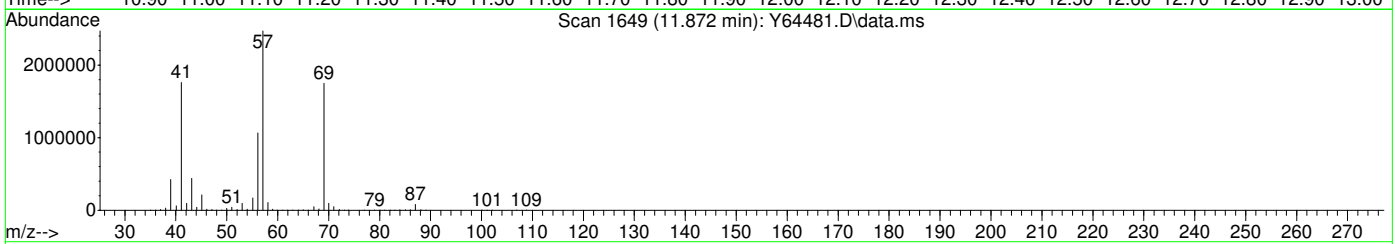
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	70.70
56.00	42.20	43.04
0.00	0.00	0.00

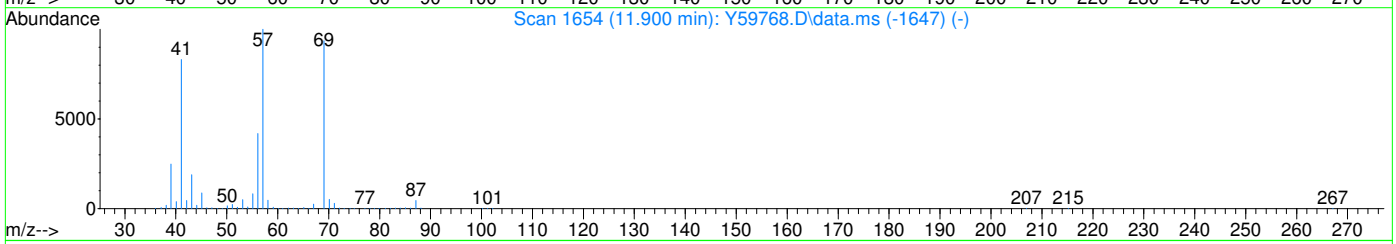
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-05-2022\vy2672\
Data File : Y64481.D
Acq On : 3 Sep 2022 9:33 pm
Operator : adelardl
Sample : ECC2666-5
Misc : MS52207,VY2672,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 05 01:43:20 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64481.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.872min (+0.003) 2004.48ug/L m

response 2791555

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	70.74
56.00	42.20	43.05
0.00	0.00	0.00

SGS -ORLANDO

MSVOA13-P-ANALYSIS LOG

DATE:	8/24/2022
COLUMN TYPE:	RTXVMS
DETECTOR:	5973MSD
INSTRUMENT:	MSVOA13-P
PURGE PRESSURE:	1.4PSI
PURGE VOLUME:	5mL
ANALYST: Courtney F	

METHODS:	8260
METHOD FILE:	V2P_2022-08-24.M
CALIB. DATE:	8/24/2022
EM VOLTAGE:	1529V
ACQ. METHOD:	RTXFAST
BFB RESPONSE:	2016445
V2P3560	

BFB: VS2392
ICAL/CC: VS2375, VS2376, VS2387
VS2386, VS2383, VS2393
ISTD/SUR: VS2392
ICV/QC: VS2349, VS2350, VS2394,
VS2389, VS2388, VS2385, VS2397
DATA REVIEWED BY: Courtney F / Antonette C

PH LOT: 1-12pH 212820
0-3pH 230320
KI PAPER LOT: 022018
AFA: VS2248B
SAMPLE ID VERIFIED BY:
Courtney F
Date: 8/24/2022

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
2P92261	BLANK	-	-	W	51	8260		-	-	-	Passed autofind ✓
2P92263	BFB/IC3560-1	-	-	W	52	8260		-	-	-	Passed autofind; 1uL→ 100mL ✓
2P92265	IC3560-2	-	-	W	53	8260		-	-	-	5uL→ 100mL ✓
2P92267	IC3560-3	-	-	W	54	8260		-	-	-	10uL→ 100mL ✓
2P92269	IC3560-4	-	-	W	55	8260		-	-	-	25uL→ 100mL ✓
2P92271	IC3560-5	-	-	W	56	8260		-	-	-	40uL→ 100mL ✓
2P92273	IC3560-6	-	-	W	57	8260		-	-	-	70uL→ 100mL ✓
2P92275	IC3560-7	-	-	W	58	8260		-	-	-	100uL→ 100mL ✓
2P92277	BLANK	-	-	W	59	8260		-	-	-	✓
2P92279A	ICV3560-5/CC3560-5	-	-	W	60	8260		-	-	-	50uL→ 100mL ✓
2P92281A	ICV3560-4/BS	-	-	W	61	8260		-	-	-	12.5uL→ 100mL ✓
2P92283	CC3560-1	-	-	W	62	8260	all low peaks present	-	-	-	1uL→ 100mL ✓
2P92285	MB	-	-	W	63	8260		-	-	-	ND ✓
2P92287	**FA98234-4**	1x	5	W	64	8260		1	N	1x	**MTBE hit (BS ↑)**
2P92289	FA98234-5	1x	5	W	65	8260		1	N	-	ND ✓
2P92291	**FA98234-6**	1x	5	W	66	8260		1	N	1x	**TAME and MTBE hits (ICV, CCV, BS ↑)**
2P92293	FA98234-7	20x	5	W	67	8260	2.5mL(-)50mL	1	N	-	✓
2P92295	**FA98234-8**	100x	5	W	68	8260	500uL(-)50mL	1	N	100x	**MTBE hit (BS ↑)**
2P92297	**FA98234-9**	20x	5	W	69	8260	2.5mL(-)50mL	1	N	20x	**MTBE hit (BS ↑)**
2P92299	FA98234-10	1x	5	W	70	8260		1	N	-	ND ✓
2P92301	**FA98254-8**	1x	5	W	71	8260		1	N	1x	**MTBE hit (BS ↑)**
2P92303	FA98254-9	5x	5	W	72	8260	10mL(-)50mL	1	N	-	✓
2P92305	FA98254-10	1x	5	W	73	8260		1	N	-	✓
2P92307	FA98254-9MS	5x	5	W	74	8260	20mL(-)100mL	1	N	-	12.5uL→ 100mL ✓
2P92309	FA98254-9MSD	5x	5	W	75	8260	20mL(-)100mL	1	N	-	12.5uL→ 100mL ✓
2P92311	ECC3560-5	-	-	W	76	8260		-	-	-	40uL→ 100mL ✓

8/25/22

* For NELAC purposes, Method 8260 includes anlytes by SOP MS005 Matrix. Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate

Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor

Analyst's Signature:

SGS -ORLANDO

MSVOA13-P-ANALYSIS LOG

DATE:	9/1/2022
COLUMN TYPE:	RTXVMS
DETECTOR:	5973MSD
INSTRUMENT:	MSVOA13-P
PURGE PRESSURE:	1.4PSI
PURGE VOLUME:	5mL
ANALYST: Courtney F	

METHODS:	8260
METHOD FILE:	V2P_2022-08-24.M
CALIB. DATE:	8/24/2022
EM VOLTAGE:	1529V
ACQ. METHOD:	RTXFAST
BFB RESPONSE:	2125416
V2P3567	

BFB: VS2392
ICAL/CC: VS2375, VS2376, VS2387
VS2386, VS2383, VS2407
ISTD/SUR: VS2392
ICV/QC: VS2349, VS2350, VS2394,
VS2389, VS2388, VS2385, VS2408
DATA REVIEWED BY: Courtney F / Antonette C

PH LOT: 1-12pH 212820
0-3pH 230320
KI PAPER LOT: 022018
AFA: VS2248B
SAMPLE ID VERIFIED BY:
Courtney F
Date: 9/01/2022

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
2P92599	BLANK	-	-	W	51	8260		-	-	-	Passed autofind ✓
2P92601	BFB/CC3560-5	-	-	W	52	8260		-	-	-	Passed autofind; 40uL→ 100mL ✓
2P92603	BS	-	-	W	53	8260		-	-	-	12.5uL→ 100mL ✓
2P92605	CC3560-1	-	-	W	54	8260		-	-	-	1uL→ 100mL ✓
2P92607	MB	-	-	W	55	8260		-	-	-	2-But hit (j-value) ✓
2P92609	FA98474-1	1x	1	W	56	8260		1	N	-	ND ✓
2P92611	FA98474-2	1x	15	W	57	8260		1	N	2x	VC ↑ (CCV hit)
2P92613	FA98474-3	1x	9	W	58	8260	bubble > 6mm	1	N	1x	VC carryover (CCV hit)
2P92615	FA98474-4	1x	2	W	59	8260		1	N	2.5x	VC ↑ (CCV hit)
2P92617	FA98474-5	1x	2	W	60	8260		1	N	1x	VC carryover (CCV hit)
2P92619	FA98431-8	1x	4	W	61	8260	bubble > 6mm	1	N	-	ND ✓
2P92621	FA98431-9	1x	5	W	62	8260		1	N	1x	VC hit (CCV), 2-But hit (MB)
2P92623	FA98431-11	1x	9	W	63	8260	bubble > 6mm	1	N	1x	VC hit (CCV)
2P92625	FA98468-1	10x	4	W	64	8260	bubble > 6mm ,5mL(-)50mL	1	N	5x	Cis-1,2-DCE low
2P92627	FA98473-16	10x	2	W	65	8260	5mL(-)50mL	1	N	-	✓
2P92629	FA98473-17	10x	2	W	66	8260	5mL(-)50mL	1	N	-	✓
2P92631	FA98473-18	5x	3	W	67	8260	10mL(-)50mL	1	N	-	✓
2P92633	FA98473-19	25x	3	W	68	8260	2mL(-)50mL	1	N	25x	VC hit (CCV)
2P92635	FA98473-20	50x	3	W	69	8260	1mL(-)50mL	1	N	-	✓
2P92637	FA98473-21	50x	3	W	70	8260	1mL(-)50mL	1	N	25x	TCE low/potential carryover
2P92639	FA98473-22	5x	2	W	71	8260	10mL(-)50mL	1	N	5x	TCE carryover
2P92641	FA98474-2MS	1x	18	W	72	8260		1	N	-	12.5uL→ 100mL ✓
2P92643	FA98474-2MSD	1x	19	W	73	8260		1	N	-	12.5uL→ 100mL ✓
2P92645	ECC3560-5	-	-	W	74	8260		-	-	-	40uL→ 100mL ✓

CJ 9/7/22

* For NELAC purposes, Method 8260 includes anlytes by SOP MS005 Matrix Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor

Analyst's Signature: CJ

SGS -ORLANDO

MSVOA13-P-ANALYSIS LOG

DATE:	9/6/2022
COLUMN TYPE:	RTXVMS
DETECTOR:	5973MSD
INSTRUMENT:	MSVOA13-P
PURGE PRESSURE:	1.4PSI
PURGE VOLUME:	5mL
ANALYST: Courtney F	

METHODS:	8260
METHOD FILE:	V2P_2022-08-24.M
CALIB. DATE:	8/24/2022
EM VOLTAGE:	1529V
ACQ. METHOD:	RTXFAST
BFB RESPONSE:	2117134
V2P3568	

BFB: VS2392
ICAL/CC: VS2375, VS2376, VS2387
VS2386, VS2383, VS2430
ISTD/SUR: VS2392
ICV/QC: VS2349, VS2350, VS2394,
VS2389, VS2388, VS2385, VS2431
DATA REVIEWED BY: Courtney F

PH LOT: 1-12pH 212820
0-3pH 230320
KI PAPER LOT: 022018
AFA: VS2248B
SAMPLE ID VERIFIED BY:
Courtney F
Date: 9/06/2022

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
2P92655	BLANK	-	-	W	51	8260		-	-	-	Passed autofind ✓
2P92657	BFB/CC3560-5	-	-	W	52	8260		-	-	-	Passed autofind; 40uL→ 100mL ✓
2P92659	BS	-	-	W	53	8260		-	-	-	12.5uL→ 100mL ✓
2P92661	CC3560-1	-	-	W	54	8260		-	-	-	1uL→ 100mL ✓
2P92663	BLANK	-	-	W	55	8260		-	-	-	✓
2P92665	MB	-	-	W	56	8260		-	-	-	2-But hit (j-value) ✓
2P92667	FA98431-10	1x	1	W	57	8260	bubble > 6mm	1	N	-	
2P92669	FA98446-23	1x	1	W	58	8260		1	N	-	
2P92671	**FA98592-4**	1x	1	W	59	8260		7	N	1x	**2-But hit (MB)**
2P92673	FA98431-6	1x	22	W	60	8260		1	N	-	
2P92675	FA98468-2	1x	9	W	61	8260		1	N	-	
2P92677	FA98468-3	1x	5	W	62	8260		1	N	-	
2P92679	**FA98468-4**	1x	9	W	63	8260	bubble > 6mm	1	N	1x	**VC hit (CCV)**
2P92681	**FA98468-5**	1x	5	W	64	8260		1	N	1x	**VC hit (CCV)**
2P92683	FA98468-6	1x	6	W	65	8260		1	N	-	
2P92685	**FA98592-5**	1x	1	W	66	8260		7	N	1x	**2-But hit (MB)**
2P92687	**FA98592-6**	1x	2	W	67	8260		7	N	1x	**2-But hit (MB)**
2P92689	**FA98468-7**	5x	8	W	68	8260	bubble > 6mm, 10mL(-)50mL	1	N	2x	**Target compounds ↓**
2P92691	**FA98592-1**	25x	1	W	69	8260	2mL(-)50mL	7	N	25x	**2-But hit (MB), VC hit (CCV)**
2P92693	**FA98592-2**	50x	2	W	70	8260	1mL(-)50mL	7	N	50x	**2-But hit (MB), VC hit (CCV)**
2P92695	**FA98592-3**	50x	2	W	71	8260	1mL(-)50mL	7	N	50x	**2-But hit (MB), VC hit (CCV)**
2P92697	FA98431-6MS	1x	16	W	72	8260		1	N	-	12.5uL→ 100mL ✓
2P92699	FA98431-6MSD	1x	17	W	73	8260		1	N	-	12.5uL→ 100mL ✓
2P92701	ECC3560-5	-	-	W	74	8260		-	-	-	40uL→ 100mL ✓

* For NELAC purposes, Method 8260 includes anlytes by SOP MS005 Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rational SOP QA029 MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PI Poor

Analyst's Signature: CF

7.7.3 7

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	08/23/2022
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6
PURGE VOLUME:	5 mL
ANALYST:	JoAnn L

METHODS:*	8260
METHOD FILE:	VO_08-23-2022.M
CALIB. DATE:	8/23/2022
EM VOLTAGE:	1600V
BFB RESPONSE:	3023692
RUN ID:	VO2796

BFB:	VS2371
ICAL/CC:	VS2375, VS2376, VS2387
	VS2386, VS2383, VS2393
ISTD/SUR:	VS2371
ICV/QC:	VS2349, VS2350, VS2394
	VS2389, VS2388, VS2385, VS2390
AFA:	VS2035D

PH LOT 1-12: 212521
PH LOT 0.0-3.0: 230320
KI PAPER LOT: 030317
SAMPLE ID VERIFIED BY: JoAnn L
DATE VERIFIED: 08/23/2022
DATA REVIEWED BY:
JoAnn L

Data File	Sample ID	Dil.	Vial #	Matrix	ALS Pos.	Sample Method	Manually Integrated Peaks Rationale, Peak #	pH	CI ?	RR	COMMENTS
O70541	BFB	-	-	W	1	8260		-	-	-	Passed autofind✓
O70542	IC2796-1	-	-	W	2	8260		-	-	-	1uL→ 100mL ✓
O70543	IC2796-2	-	-	W	3	8260		-	-	-	5uL→ 100mL ✓
O70544	IC2796-3	-	-	W	4	8260		-	-	-	5uL→ 50mL ✓
O70545	IC2796-4	-	-	W	5	8260		-	-	-	12.5uL→ 50mL ✓
O70546	ICC2796-5	-	-	W	6	8260		-	-	-	40uL→ 100mL ✓
O70547	IC2796-6	-	-	W	7	8260		-	-	-	35uL→ 50mL ✓
O70548	IC2796-7	-	-	W	8	8260		-	-	-	50uL→ 50mL ✓
O70549	BLANK	-	-	W	9	8260		-	-	-	✓
O70550	ICV2796-5	-	-	W	10	8260		-	-	-	25uL→ 50mL ✓
O70551	ICV2796-4	-	-	W	11	8260	Not used-not needed	-	-	-	12.5uL→ 40mL ✓

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: _____

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/01/2022
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6
PURGE VOLUME:	5 mL
ANALYST:	JoAnn L

METHODS:*	8260
METHOD FILE:	VO_08-23-2022.M
CALIB. DATE:	8/23/2022
EM VOLTAGE:	1600V
BFB RESPONSE:	2996623
RUN ID:	VO2808

BFB:	VS2371
ICAL/CC:	VS2375, VS2376, VS2387
	VS2386, VS2383, VS2407
ISTD/SUR:	VS2371
ICV/QC:	VS2349, VS2350, VS2394
	VS2389, VS2388, VS2385, VS2408
AFA:	VS2035D

PH LOT 1-12: 212521
PH LOT 0.0-3.0: 230320
KI PAPER LOT: 030317
SAMPLE ID VERIFIED BY: JL
DATE VERIFIED: 09/01/2022
DATA REVIEWED BY:
JoAnn L

Data File	Sample ID	Dil.	Vial #	Matrix	ALS Pos.	Sample Method	Manually Integrated Peaks Rationale, Peak #	pH	CI ?	RR	COMMENTS
O70796	BLANK	-	-	W	1	8260		-	-	-	Passed autofind✓
O70797	CC2796-5/BFB	-	-	W	2	8260	#10,25,76(PII) #22(OP)	-	-	-	Passed autofind; 40uL→ 100mL✓
O70798	BS	-	-	W	3	8260	#10,25,76(PII) #22(OP)	-	-	-	12.5uL→ 40mL ✓
O70799	CC2796-1	-	-	W	4	8260		-	-	-	1uL→ 100mL ✓
O70800	MB	-	-	W	5	8260		-	-	-	ND ✓
O70801	FA98452-8	1X	2	W	6	8260		1	N	-	ND ✓
O70802	FA98452-9	1X	2	W	7	8260		1	N	-	ND ✓
O70803	FA98427-1	1X	4	W	8	8260		1	N	-	ND ✓
O70804	FA98427-2	1X	4	W	9	8260		1	N	-	ND ✓
O70805	FA98427-3	1X	5	W	10	8260		1	N	-	ND ✓
O70806	FA98427-4	1X	4	W	11	8260		1	N	-	Bubble>6mm,all vials received✓
O70807	FA98431-1	1X	8	W	12	8260		1	N	-	✓
O70808	FA98431-2	1X	5	W	13	8260		1	N	-	✓
O70809	FA98431-3	1X	7	W	14	8260		1	N	-	Bubble>6mm,all vials received✓
O70810	FA98431-4	1X	8	W	15	8260		1	N	-	✓
O70811	FA98431-5	1X	4	W	16	8260		1	N	-	✓
O70812	FA98431-7	1X	12	W	17	8260		1	N	-	ND ✓
O70813	FA98452-1	1X	1	W	18	8260		1	N	-	✓
O70814	**FA98452-2**	1X	3	W	19	8260		1	N	**1x**	Poss TCE carryover
O70815	FA98452-3	1X	1	W	20	8260		1	N	-	✓
O70816	**FA98452-4**	1X	2	W	21	8260		1	N	**1x**	Poss TCE carryover
O70817	FA98452-5	1X	3	W	22	8260		1	N	-	✓
O70818	FA98452-6	1X	2	W	23	8260		1	N	-	✓
O70819	FA98452-7	1X	2	W	24	8260		1	N	-	✓
O70820	FA98452-10	1X	1	W	25	8260		1	N	-	✓
O70821	FA98452-2MS	1X	2	W	26	8260	#10,25,76(PII) #22(OP)	1	N	-	12.5uL→ 40mL ✓
O70822	FA98452-2MSD	1X	4	W	27	8260	#10,25,76(PII) #22(OP)	1	N	-	12.5uL→ 40mL ✓
O70823	ECC2796-5	-	-	W	28	8260	#10,25,76(PII) #22(OP)	-	-	-	40uL→ 100mL✓

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, PII Poor Instrument

Analyst's Signature: _____

SGS -ORLANDO

MSVOA14-Y-ANALYSIS LOG

DATE: 08/29/2022	
COLUMN TYPE: RTX-VMS	
DETECTOR: 5973 MSD	
INSTRUMENT: MSVOA14-Y	
PURGE PRESSURE: 9.0 psi	
PURGE VOLUME: 5 mL	
ANALYST: JoAnn L	

METHODS:	8260
METHOD FILE: APIX_08-29-2022_Y.M	
CALIB. DATE:	8/29/2022
EM VOLTAGE:	1165V
BFB RESPONSE:	1219829
RUN ID:	**VY2666**

BFB:	VS2377
ICAL/CC:	VS2375, VS2376, VS2387,
VS2386, VS2383, VS2407	
ISTD/SURR:	VS2377
ICV/QC:	VS2349, VS2350, VS2394
VS2389, VS2388, VS2385, VS2414	
DATA PROCESSED BY: JoAnn L	

0 to 12 pH lot#
0 to 3 pH lot#: 220416
KI PAPER LOT: 102916
AFA: N/A
SAMPLE ID VERIFIED BY: JoAnn L
DATE: 08/29/2022

DATA FILE	SAMPLE ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONALE & PEAK #	pH	CI ?	RR	COMMENTS
Y64309	BLANK	-	-	W	1	8260		-	-	-	Passed Autofind ✓
Y64310	BFB	-	-	W	2	8260		-	-	-	Passed autofind ✓
Y64311	IC2666-1	-	-	W	3	8260		-	-	-	1uL → 100mL ✓
Y64312	IC2666-2	-	-	W	4	8260		-	-	-	5uL → 100mL ✓
Y64313	IC2666-3	-	-	W	5	8260		-	-	-	5uL → 50mL ✓
Y64314	IC2666-4	-	-	W	6	8260		-	-	-	12.5uL → 50mL ✓
Y64315	ICC2666-5	-	-	W	7	8260		-	-	-	40uL → 100mL ✓
Y64316	IC2666-6	-	-	W	8	8260		-	-	-	35uL → 50mL ✓
Y64317	IC2666-7	-	-	W	9	8260		-	-	-	50uL → 50mL ✓
Y64318	BLANK	-	-	W	10	8260		-	-	-	✓
Y64319	ICV2666-5	-	-	W	11	8260	Not used-bad prep; re ran on VY2667	-	-	Y	25uL → 50mL ✓
Y64320	ICV2666-4	-	-	W	12	8260	Not used-bad prep; re ran on VY2667	-	-	Y	12.5uL → 40mL ✓
Y64323	ICV2666-5	-	-	W	3	8260	VY2666	-	-	-	25uL → 50mL ✓
Y64324	ICV2666-4	-	-	W	4	8260	TAME/CHO/33DM only; VY2666	-	-	-	12.5uL → 40mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rationale SOP QA029 MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration.

Analyst's Signature: _____

SGS -ORLANDO

MSVOA14-Y-ANALYSIS LOG

DATE: 09/03/2022	
COLUMN TYPE: RTX-VMS	
DETECTOR: 5973 MSD	
INSTRUMENT: MSVOA14-Y	
PURGE PRESSURE: 9.0 psi	
PURGE VOLUME: 5 mL	
ANALYST: Adelard L	

METHODS:	8260
METHOD FILE: APIX_08-29-2022_Y.M	
CALIB. DATE:	8/29/2022
EM VOLTAGE:	1165V
BFB RESPONSE:	1038000
RUN ID:	VY2672

BFB:	VS2377
ICAL/CC:	VS2375, VS2376, VS2387,
VS2386, VS2383, VS2407	
ISTD/SURR	VS2377
ICV/QC:	VS2349, VS2350, VS2394
VS2389, VS2388, VS2385, VS2414	
DATA PROCESSED BY: Adelard L	

0 to 12 pH lot#
0 to 3 pH lot#: 220416
KI PAPER LOT: 102916
AFA: N/A
SAMPLE ID VERIFIED BY: Adelard L
DATE: 09/03/2022

DATA FILE	SAMPLE ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONALE & PEAK #	pH	CI ?	RR	COMMENTS
Y64453	BFB	-	-	W	1	8260		-	-	-	Passed autofind ✓
Y64454	CC2666-5	-	-	W	2	8260	#22,74(OP) #52(MP)	-	-	-	12.5uL → 40mL ✓
Y64455	BS	-	-	W	3	8260	#22,74(OP) #52(MP)	-	-	-	12.5uL → 40mL ✓
Y64456	CC2666-1	-	-	W	4	8260	All CCV low peaks present	-	-	-	1uL → 100mL ✓
Y64457	BLANK	-	-	W	5	8260		-	-	-	
Y64458	MB (AFA)	-	-	W	6	8260		-	-	-	ND ✓
Y64459	FA98439-4	1X	2	W	7	8260	lot#	1	N	-	ND ✓
Y64460	FA98439-5	1X	2	W	8	8260	lot#	1	N	-	ND ✓
Y64461	FA98439-6	1X	4	W	9	8260	lot#	1	N	-	ND ✓
Y64462	FA98431-9	1X	9	W	10	8260		1	N	-	2-But and VC only ✓
Y64463	FA98431-11	1X	7	W	11	8260		1	N	-	VC only ✓
Y64464	FA98439-1	1X	7	W	12	8260		1	N	-	✓
Y64465	FA98439-2	1X	7	W	13	8260		1	N	-	ND ✓
Y64466	FA98439-3	1X	7	W	14	8260		1	N	-	ND ✓
Y64467	FA98484-7	1X	3	W	15	8260		1	N	-	ND ✓
Y64468	FA98484-8	1X	2	W	16	8260		1	N	-	✓
Y64469	FA98512-1	1X	7	W	17	8260	AFA	1	N	-	(HCB from 1st run) ND✓
Y64470	FA98512-2	1X	7	W	18	8260	AFA	1	N	-	(HCB from 1st run) ✓
Y64471	FA98512-3	1X	7	W	19	8260	AFA	1	N		(HCB from 1st run) ND✓
Y64472	FA98512-4	1X	7	W	20	8260	AFA; Bubble < 6mm	1	N		(HCB from 1st run) ND✓
Y64473	FA98512-5	1X	7	W	21	8260	AFA	1	N		(HCB from 1st run) ✓
Y64474	FA98458-1 10X	10x	2	W	22	8260	5mL(-)50mL	1	N		✓
Y64475	FA98468-1 5X	5x	6	W	23	8260	10mL(-)50mL	1	N		(HCB from 1st run) ✓
Y64476	FA98473-19 25X	25x	2	W	24	8260	2mL(-)50mL	1	N		Comparing vials
Y64477	FA98473-21 25X	25x	2	W	25	8260	2mL(-)50mL	1	N		E-combine ✓
Y64478	FA98473-22 5X	5x	3	W	26	8260	10mL(-)50mL	1	N		xNot used, not needed
Y64479	FA98458-1MS 20X	20x	2	W	27	8260	**#22,74(OP) #52(MP); 5mL (-) 100mL**	1	N	-	12.5uL → 40mL ✓
Y64480	FA98458-1MSD 20X	20x	2	W	28	8260	**#22,74(OP) #52(MP); 5mL (-) 100mL**	1	N	-	12.5uL → 40mL ✓
Y64481	ECC2666-5	-	-	W	29	8260	**#22,74(OP) #52(MP)**	-	-	-	40uL(-)50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration.

Analyst's Signature: L. Adelard

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLL2747-MB	LL79091.D	1	08/30/22	KB	n/a	n/a	GLL2747

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-6, FA98431-7, FA98431-8, FA98431-9, FA98431-11

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.50	0.16	ug/l	
74-84-0	Ethane	ND	1.0	0.32	ug/l	
74-85-1	Ethene	ND	1.0	0.43	ug/l	

Method Blank Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLL2748-MB	LL79129.D	1	08/31/22	KB	n/a	n/a	GLL2748

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98431-3, FA98431-8, FA98431-9, FA98431-11

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.50	0.16	ug/l	

Blank Spike/Blank Spike Duplicate Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLL2747-BS	LL79086.D	1	08/30/22	KB	n/a	n/a	GLL2747
GLL2747-BSD	LL79087.D	1	08/30/22	KB	n/a	n/a	GLL2747

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-6, FA98431-7, FA98431-8, FA98431-9, FA98431-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
74-82-8	Methane	108	106	98	119	110	12	62-139/30
74-84-0	Ethane	219	209	95	247	113	17	67-141/30
74-85-1	Ethene	290	273	94	334	115	20	68-141/30

8.2.1

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* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLL2748-BS	LL79126.D	1	08/31/22	KB	n/a	n/a	GLL2748
GLL2748-BSD	LL79127.D	1	08/31/22	KB	n/a	n/a	GLL2748

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98431-3, FA98431-8, FA98431-9, FA98431-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
74-82-8	Methane	108	109	101	112	104	3	62-139/30

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98431-6MS	LL79111.D	10	08/30/22	KB	n/a	n/a	GLL2747
FA98431-6	LL79106.D	1	08/30/22	KB	n/a	n/a	GLL2747
FA98431-6	LL79109.D	10	08/30/22	KB	n/a	n/a	GLL2747

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-6, FA98431-7, FA98431-8, FA98431-9, FA98431-11

CAS No.	Compound	FA98431-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
74-82-8	Methane	3930 [a]		1080	5210	119	62-139
74-84-0	Ethane	1.0 U		2190	2250	103	67-141
74-85-1	Ethene	1.0 U		2900	3050	105	68-141

(a) Result is from Run #2.

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98485-2MS	LL79142.D	1	08/31/22	KB	n/a	n/a	GLL2748
FA98485-2	LL79134.D	1	08/31/22	KB	n/a	n/a	GLL2748

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98431-3, FA98431-8, FA98431-9, FA98431-11

CAS No.	Compound	FA98485-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
74-82-8	Methane	277		108	371	87	62-139

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98431-6DUP	LL79110.D	10	08/30/22	KB	n/a	n/a	GLL2747
FA98431-6	LL79106.D	1	08/30/22	KB	n/a	n/a	GLL2747
FA98431-6	LL79109.D	10	08/30/22	KB	n/a	n/a	GLL2747

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-6, FA98431-7, FA98431-8, FA98431-9, FA98431-11

CAS No.	Compound	FA98431-6 ug/l	Q	DUP ug/l	Q	RPD	Limits
74-82-8	Methane	3930 [a]		4420		12	30
74-84-0	Ethane	1.0 U		ND		nc	30
74-85-1	Ethene	1.0 U		ND		nc	30

(a) Result is from Run #2.

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98485-1DUP	LL79141.D	1	08/31/22	KB	n/a	n/a	GLL2748
FA98485-1	LL79133.D	1	08/31/22	KB	n/a	n/a	GLL2748
FA98485-1	LL79140.D	1	08/31/22	KB	n/a	n/a	GLL2748

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

FA98431-3, FA98431-8, FA98431-9, FA98431-11

CAS No.	Compound	FA98485-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
74-82-8	Methane	1140 [a]		1080		5	30

(a) Result is from Run #2.

* = Outside of Control Limits.

Initial Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: GLL2678-ICC2678
Lab FileID: LL77119.D

Response Factor Report FID4-LL

Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration

Calibration Files
1 =LL77115.D 2 =LL77116.D 3 =LL77117.D 4 =LL77118.D
5 =LL77119.D 6 =LL77120.D 7 =LL77121.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) Methane	8.147	7.784	5.707	6.267	6.226	6.254	6.064	6.636 E5	14.09
2) Acetylene	0.876	1.146	1.052	1.258	1.278	1.267	1.366	1.177 E6	14.18
3) Ethylene	0.806	0.993	0.972	1.105	1.114	1.088	1.088	1.024 E6	10.84
4) Ethane	0.897	1.013	0.978	1.114	1.120	1.125	1.117	1.052 E6	8.60
5) Propane	1.625	2.081	1.200	1.396	1.465	1.462	1.488	1.531 E6	17.89

1) Methane
---- Linear regr., Force(0,0) ---- Coefficient = 0.9998
Response Ratio = 0.00000 + 610295.04174 *A

2) Acetylene
---- Linear regr., Force(0,0) ---- Coefficient = 0.9989
Response Ratio = 0.00000 + 1345065.34207 *A

3) Ethylene
---- Linear regr., Force(0,0) ---- Coefficient = 1.0000
Response Ratio = 0.00000 + 1087940.04642 *A

4) Ethane
---- Linear regr., Force(0,0) ---- Coefficient = 1.0000
Response Ratio = 0.00000 + 1118890.75720 *A

5) Propane
---- Linear regr., Force(0,0) ---- Coefficient = 0.9999
Response Ratio = 0.00000 + 1482646.11599 *A

(#) = Out of Range

RSK122321B.M Tue Dec 28 15:06:18 2021

Initial Calibration Verification

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: GLL2678-ICV2678
Lab FileID: LL77123.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\122321\LL77123.D Vial: 15
Acq On : 12-23-2021 03:20:03 PM Operator: trangd
Sample : icv2678-5 Inst : FID4-LL
Misc : gc23581,gll2678,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	1000.000	1023.341	-2.3	100	0.00	0.02- 0.55
2	Acetylene	1000.000	963.101	3.7	101	0.00	0.28- 0.88
3	Ethylene	1000.000	1024.733	-2.5	100	0.00	0.38- 1.18
4	Ethane	1000.000	1017.149	-1.7	102	0.00	0.61- 1.41
5	Propane	1000.000	1057.495	-5.7	107	0.00	0.01- 6.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LL77119.D RSK122321B.M Thu Dec 30 10:09:01 2021

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: GLL2747-CC2678
Lab FileID: LL79085.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\083022\LL79085.D Vial: 2
Acq On : 30 Aug 2022 10:24 am Operator: kimb
Sample : cc2678-5 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	1000.000	1032.815	-3.3	101	0.00	0.02- 0.55
2	Acetylene	1000.000	968.567	3.1	102	0.00	0.28- 0.88
3	Ethylene	1000.000	1046.305	-4.6	102	0.00	0.38- 1.18
4	Ethane	1000.000	1044.712	-4.5	104	-0.01	0.61- 1.41
5	Propane	1000.000	1024.259	-2.4	104	-0.03	0.01- 6.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LL77119.D RSK122321B.M Wed Aug 31 10:48:16 2022

8.5.3

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: GLL2747-CC2678
Lab FileID: LL79096.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\083022\LL79096.D Vial: 13
Acq On : 30 Aug 2022 12:57 pm Operator: kimb
Sample : cc2678-4 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	500.000	538.775	-7.8	105	0.00	0.02- 0.55
2	Acetylene	500.000	506.636	-1.3	108	0.00	0.28- 0.88
3	Ethylene	500.000	547.751	-9.6	108	0.00	0.38- 1.18
4	Ethane	500.000	544.059	-8.8	109	0.00	0.61- 1.41
5	Propane	500.000	532.562	-6.5	113	-0.02	0.01- 6.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LL77118.D RSK122321B.M Wed Aug 31 10:48:52 2022

8.5.4

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: GLL2747-CC2678
Lab FileID: LL79107.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\083022\LL79107.D Vial: 24
Acq On : 8-30-2022 03:58:14 PM Operator: kimb
Sample : cc2678-5 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
		Amount	Calc.	%Drift			
1	Methane	1000.000	1037.428	-3.7	102	0.00	0.02- 0.55
2	Acetylene	1000.000	981.412	1.9	103	0.00	0.28- 0.88
3	Ethylene	1000.000	1052.894	-5.3	103	0.00	0.38- 1.18
4	Ethane	1000.000	1037.009	-3.7	104	0.00	0.61- 1.41
5	Propane	1000.000	1035.083	-3.5	105	-0.03	0.01- 6.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LL77119.D RSK122321B.M Wed Aug 31 10:48:17 2022

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: GLL2747-CC2678
Lab FileID: LL79118.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\083022\LL79118.D Vial: 35
Acq On : 8-30-2022 05:53:24 PM Operator: kimb
Sample : cc2678-5 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
		Amount	Calc.	%Drift			
1	Methane	1000.000	1021.211	-2.1	100	0.00	0.02- 0.55
2	Acetylene	1000.000	967.193	3.3	102	0.00	0.28- 0.88
3	Ethylene	1000.000	1034.167	-3.4	101	0.00	0.38- 1.18
4	Ethane	1000.000	1014.161	-1.4	101	-0.01	0.61- 1.41
5	Propane	1000.000	1015.350	-1.5	103	-0.03	0.01- 6.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LL77119.D RSK122321B.M Wed Aug 31 10:48:18 2022

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: GLL2747-ECC2678
Lab FileID: LL79123.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\083022\LL79123.D Vial: 40
Acq On : 8-30-2022 06:38:59 PM Operator: kimb
Sample : ecc2678-5 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	1000.000	1020.562	-2.1	100	0.00	0.02- 0.55
2	Acetylene	1000.000	968.921	3.1	102	0.00	0.28- 0.88
3	Ethylene	1000.000	1037.054	-3.7	101	0.00	0.38- 1.18
4	Ethane	1000.000	1019.834	-2.0	102	-0.01	0.61- 1.41
5	Propane	1000.000	1005.864	-0.6	102	-0.04	0.01- 6.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LL77119.D RSK122321B.M Wed Aug 31 10:48:19 2022

8.5.7

8

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: GLL2748-CC2678
Lab FileID: LL79125.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\083122\LL79125.D Vial: 2
Acq On : 8-31-2022 08:21:22 AM Operator: kimb
Sample : cc2678-5 Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	1000.000	1002.744	-0.3	98	0.00	0.02- 0.55
2	Acetylene	1000.000	888.195	11.2	93	0.00	0.28- 0.88
3	Ethylene	1000.000	986.095	1.4	96	0.00	0.38- 1.18
4	Ethane	1000.000	984.153	1.6	98	-0.01	0.61- 1.41
5	Propane	1000.000	939.678	6.0	95	-0.03	0.01- 6.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LL77119.D RSK122321B.M Wed Aug 31 12:39:45 2022

8.5.8

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: GLL2748-CC2678
Lab FileID: LL79136.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\083122\LL79136.D Vial: 13
Acq On : 31 Aug 2022 12:32 pm Operator: kimb
Sample : cc2678-4 Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	500.000	537.998	-7.6	105	0.00	0.02- 0.55
2	Acetylene	500.000	489.730	2.1	105	0.00	0.28- 0.88
3	Ethylene	500.000	536.704	-7.3	106	-0.01	0.38- 1.18
4	Ethane	500.000	531.908	-6.4	107	-0.01	0.61- 1.41
5	Propane	500.000	512.818	-2.6	109	-0.03	0.01- 6.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LL77118.D RSK122321B.M Wed Aug 31 12:39:25 2022

8.5.9

Continuing Calibration Summary

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: GLL2748-ECC2678
Lab FileID: LL79144.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\083122\LL79144.D Vial: 21
Acq On : 8-31-2022 02:42:35 PM Operator: kimb
Sample : ecc2678-5 Inst : FID4-LL
Misc : gc23882,gll2748,38,20,500,5,10 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
		Amount	Calc.	%Drift			
1	Methane	1000.000	1007.075	-0.7	99	-0.01	0.02- 0.55
2	Acetylene	1000.000	941.138	5.9	99	0.00	0.28- 0.88
3	Ethylene	1000.000	1015.890	-1.6	99	-0.01	0.38- 1.18
4	Ethane	1000.000	1008.119	-0.8	101	-0.02	0.61- 1.41
5	Propane	1000.000	993.694	0.6	101	-0.04	0.01- 6.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LL77119.D RSK122321B.M Wed Aug 31 14:55:29 2022

8.5.10

8

Run Sequence Report

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: GLL2678 **Method:** RSKSOP-147/175 **Instrument ID:** GCLL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GLL2678-IC2678	LL77115.D	12/23/21 11:44	n/a	Initial cal 1
GLL2678-IC2678	LL77116.D	12/23/21 11:53	n/a	Initial cal 2
GLL2678-IC2678	LL77117.D	12/23/21 12:43	n/a	Initial cal 3
GLL2678-IC2678	LL77118.D	12/23/21 12:54	n/a	Initial cal 4
GLL2678-ICC2678	LL77119.D	12/23/21 13:01	n/a	Initial cal 5
GLL2678-IC2678	LL77120.D	12/23/21 14:24	n/a	Initial cal 6
GLL2678-IC2678	LL77121.D	12/23/21 14:39	n/a	Initial cal 7
GLL2678-ICV2678	LL77123.D	12/23/21 15:20	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: GLL2747 **Method:** RSKSOP-147/175 **Instrument ID:** GCLL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GLL2747-CC2678	LL79085.D	08/30/22 10:24	n/a	Continuing cal 5
GLL2747-BS	LL79086.D	08/30/22 10:50	n/a	Blank Spike
GLL2747-BSD	LL79087.D	08/30/22 11:01	n/a	Blank Spike Duplicate
GLL2747-MB	LL79091.D	08/30/22 12:05	n/a	Method Blank
ZZZZZZ	LL79092.D	08/30/22 12:18	n/a	(unrelated sample)
ZZZZZZ	LL79093.D	08/30/22 12:26	n/a	(unrelated sample)
ZZZZZZ	LL79094.D	08/30/22 12:34	n/a	(unrelated sample)
ZZZZZZ	LL79095.D	08/30/22 12:44	n/a	(unrelated sample)
GLL2747-CC2678	LL79096.D	08/30/22 12:57	n/a	Continuing cal 4
ZZZZZZ	LL79098.D	08/30/22 13:21	n/a	(unrelated sample)
ZZZZZZ	LL79099.D	08/30/22 13:29	n/a	(unrelated sample)
ZZZZZZ	LL79100.D	08/30/22 13:39	n/a	(unrelated sample)
FA98431-1	LL79101.D	08/30/22 13:47	n/a	B817-MW-002-0822
FA98431-2	LL79102.D	08/30/22 14:58	n/a	B817-MW-003-0822
FA98431-3	LL79103.D	08/30/22 15:15	n/a	WSA-MW16-0822
FA98431-4	LL79104.D	08/30/22 15:23	n/a	WSA-MW18-0822
FA98431-5	LL79105.D	08/30/22 15:31	n/a	WSA-MW19-0822
FA98431-6	LL79106.D	08/30/22 15:44	n/a	WSA-MW21-0822
GLL2747-CC2678	LL79107.D	08/30/22 15:58	n/a	Continuing cal 5
FA98431-6	LL79109.D	08/30/22 16:18	n/a	WSA-MW21-0822
FA98431-6DUP	LL79110.D	08/30/22 16:27	n/a	Duplicate
FA98431-6MS	LL79111.D	08/30/22 16:38	n/a	Matrix Spike
FA98431-7	LL79112.D	08/30/22 16:52	n/a	WSA-MW23-0822
FA98431-8	LL79113.D	08/30/22 17:00	n/a	WSA-MW9-0822
FA98431-9	LL79114.D	08/30/22 17:09	n/a	WSA-VMW17-0822
FA98431-11	LL79115.D	08/30/22 17:17	n/a	WSA-MW16-0822-A
ZZZZZZ	LL79116.D	08/30/22 17:25	n/a	(unrelated sample)
ZZZZZZ	LL79117.D	08/30/22 17:38	n/a	(unrelated sample)
GLL2747-CC2678	LL79118.D	08/30/22 17:53	n/a	Continuing cal 5
FA98431-1	LL79120.D	08/30/22 18:13	n/a	B817-MW-002-0822
FA98431-2	LL79121.D	08/30/22 18:22	n/a	B817-MW-003-0822
GLL2747-ECC2678	LL79123.D	08/30/22 18:38	n/a	Ending cal 5

Run Sequence Report

Job Number: FA98431
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: GLL2748 **Method:** RSKSOP-147/175 **Instrument ID:** GCLL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GLL2748-CC2678	LL79125.D	08/31/22 08:21	n/a	Continuing cal 5
GLL2748-BS	LL79126.D	08/31/22 08:39	n/a	Blank Spike
GLL2748-BSD	LL79127.D	08/31/22 08:53	n/a	Blank Spike Duplicate
GLL2748-MB	LL79129.D	08/31/22 09:09	n/a	Method Blank
FA98431-8	LL79130.D	08/31/22 09:33	n/a	WSA-MW9-0822
FA98431-9	LL79131.D	08/31/22 10:21	n/a	WSA-VMW17-0822
FA98485-1	LL79133.D	08/31/22 10:55	n/a	(used for QC only; not part of job FA98431)
FA98485-2	LL79134.D	08/31/22 12:11	n/a	(used for QC only; not part of job FA98431)
ZZZZZZ	LL79135.D	08/31/22 12:25	n/a	(unrelated sample)
GLL2748-CC2678	LL79136.D	08/31/22 12:32	n/a	Continuing cal 4
FA98431-3	LL79138.D	08/31/22 12:49	n/a	WSA-MW16-0822
FA98431-11	LL79139.D	08/31/22 12:58	n/a	WSA-MW16-0822-A
FA98485-1	LL79140.D	08/31/22 13:17	n/a	(used for QC only; not part of job FA98431)
FA98485-1DUP	LL79141.D	08/31/22 13:26	n/a	Duplicate
FA98485-2MS	LL79142.D	08/31/22 14:18	n/a	Matrix Spike
ZZZZZZ	LL79143.D	08/31/22 14:31	n/a	(unrelated sample)
GLL2748-ECC2678	LL79144.D	08/31/22 14:42	n/a	Ending cal 5

GC Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79101.D Vial: 18
Acq On : 8-30-2022 01:47:16 PM Operator: kimb
Sample : fa98431-1 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:28 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.25	32982272437	54043.160	ppmv
2)	Acetylene	0.00	0	N.D.	ppmv d
3)	Ethylene	0.00	0	N.D.	ppmv d
4)	Ethane	0.00	0	N.D.	ppmv d
5)	Propane	0.00	0	N.D.	ppmv d

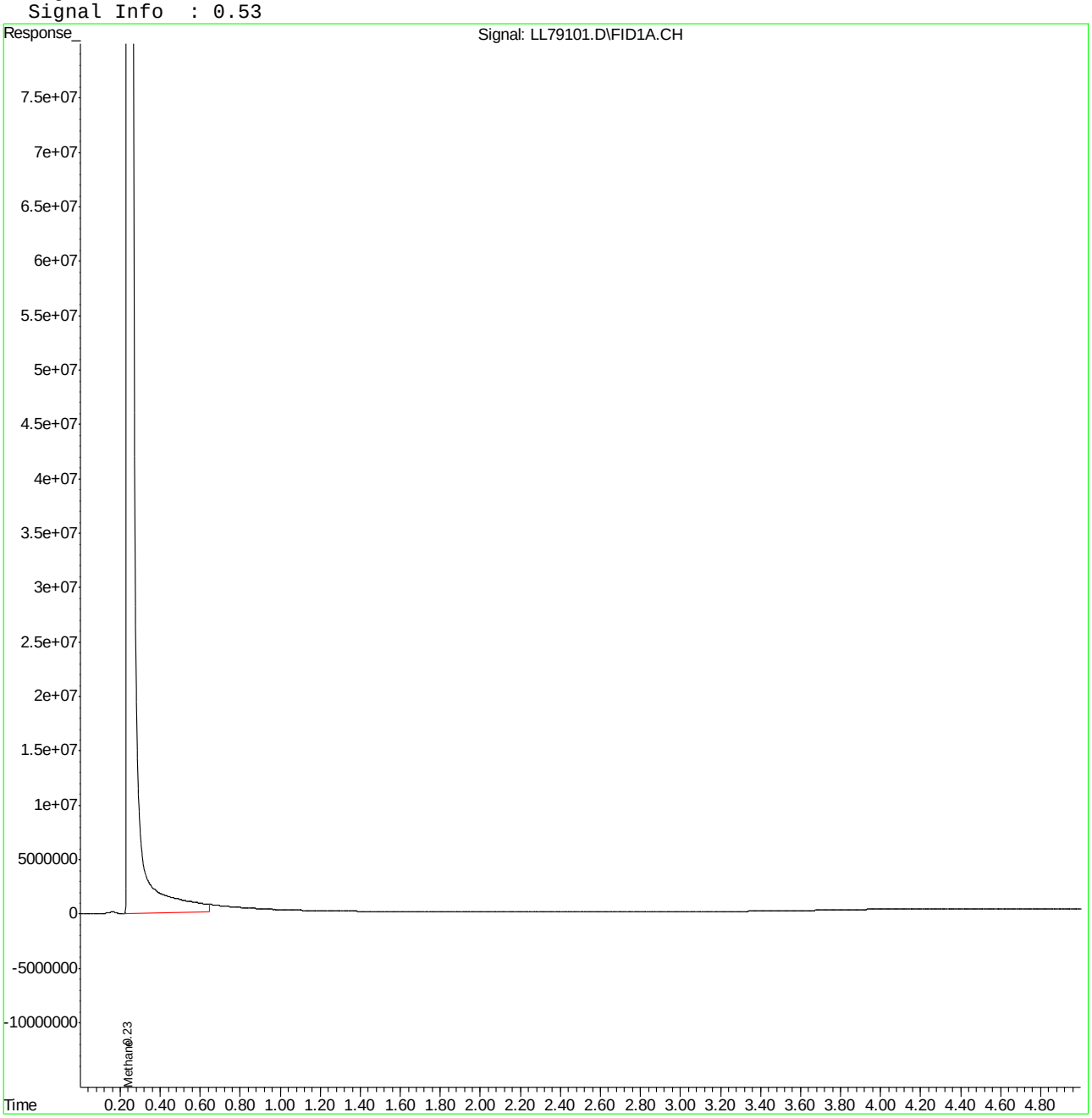
(f)=RT Delta > 1/2 Window (m)=manual int.
LL79101.D RSK122321B.M Wed Aug 31 10:50:23 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79101.D Vial: 18
Acq On : 8-30-2022 01:47:16 PM Operator: kimb
Sample : fa98431-1 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:34 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98431-1	**Sample Volume:**	38.0 ml
Lab FileID:	LL79101.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 13:47	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	54043.16	37600	6010	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79120.D Vial: 37
Acq On : 8-30-2022 06:13:46 PM Operator: kimb
Sample : fa98431-1, 10x Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,10 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:47 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	4795127087	7857.064	ppmv
2)	Acetylene	0.00	0	N.D.	ppmv
3)	Ethylene	0.00	0	N.D.	ppmv d
4)	Ethane	0.00	0	N.D.	ppmv d
5)	Propane	0.00	0	N.D.	ppmv d

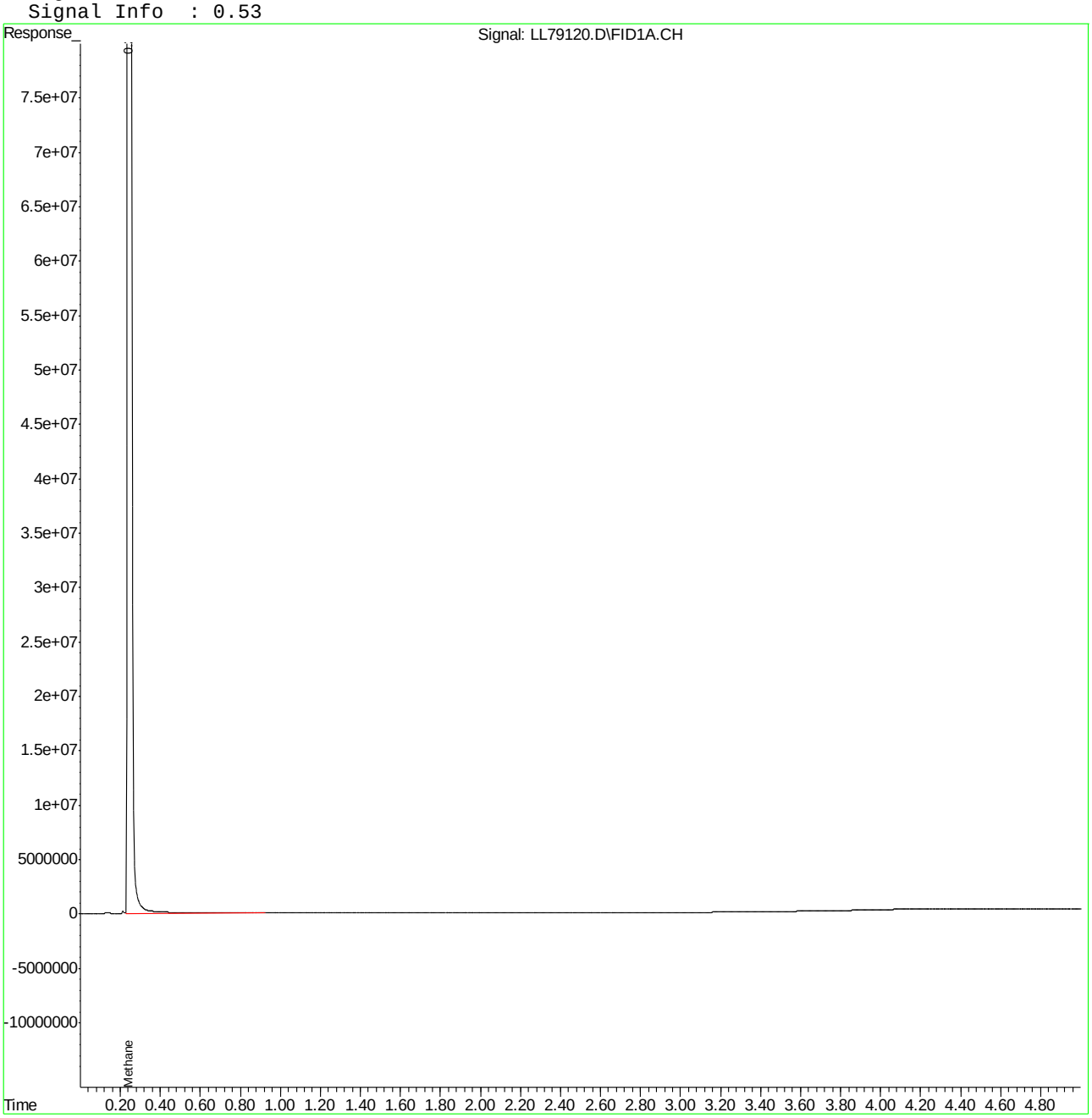
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79120.D Vial: 37
Acq On : 8-30-2022 06:13:46 PM Operator: kimb
Sample : fa98431-1, 10x Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,10 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:43 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98431-1	**Sample Volume:**	38.0 ml
Lab FileID:	LL79120.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 18:13	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	7857.06	37600	8740	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79102.D Vial: 19
Acq On : 8-30-2022 02:58:21 PM Operator: kimb
Sample : fa98431-2 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:29 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	26288581246	43075.200	ppmv
2)	Acetylene	0.00	0	N.D.	ppmv d
3)	Ethylene	0.00	0	N.D.	ppmv d
4)	Ethane	0.00	0	N.D.	ppmv d
5)	Propane	0.00	0	N.D.	ppmv d

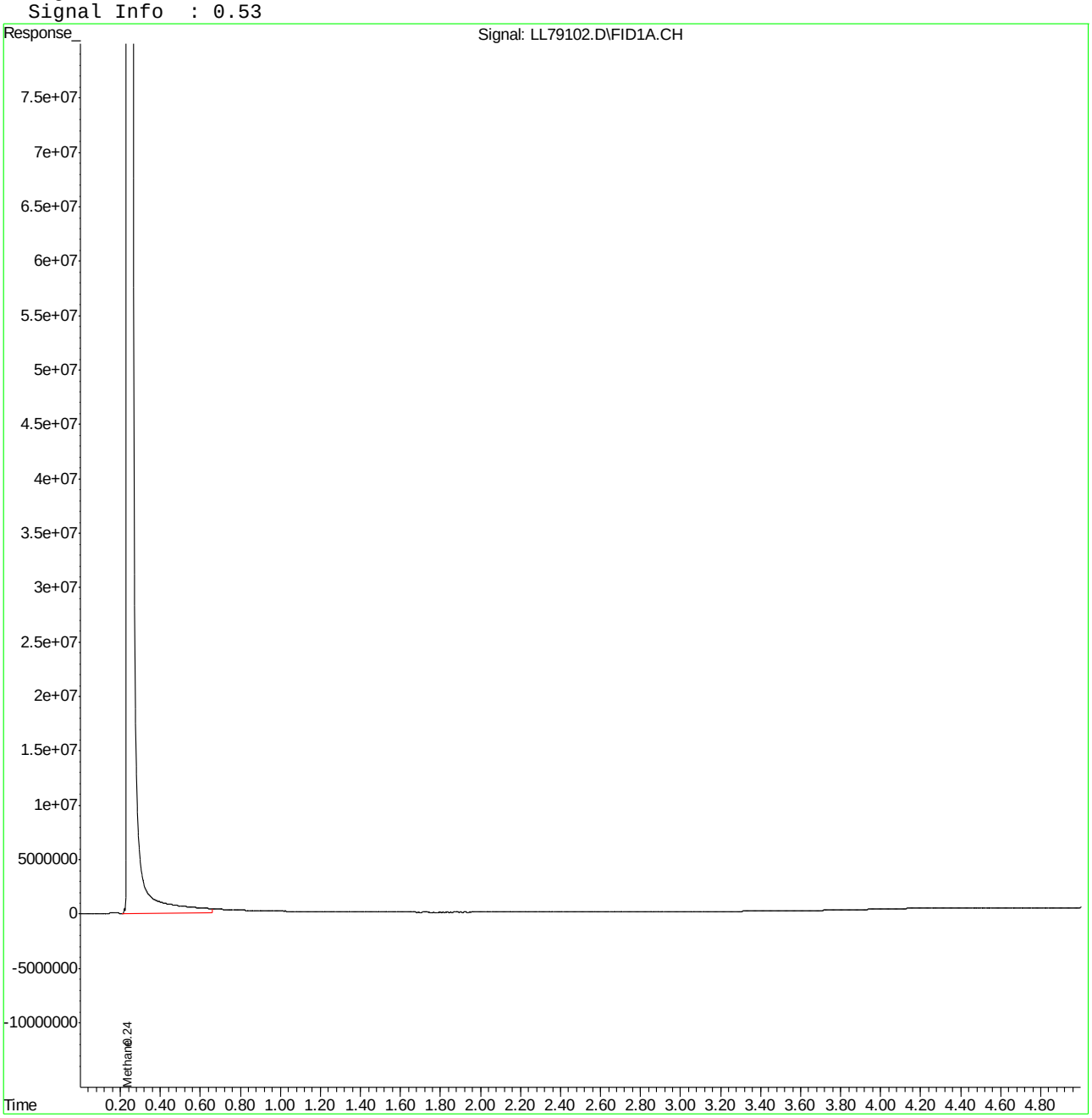
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79102.D Vial: 19
Acq On : 8-30-2022 02:58:21 PM Operator: kimb
Sample : fa98431-2 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:35 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98431-2	**Sample Volume:**	38.0 ml
Lab FileID:	LL79102.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 14:58	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	43075.2	37600	4790	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79121.D Vial: 38
Acq On : 8-30-2022 06:22:16 PM Operator: kimb
Sample : fa98431-2, 10x Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,10 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:48 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	3002561641	4919.853	ppmv
2)	Acetylene	0.00	0	N.D.	ppmv
3)	Ethylene	0.00	0	N.D.	ppmv
4)	Ethane	0.00	0	N.D.	ppmv
5)	Propane	0.00	0	N.D.	ppmv

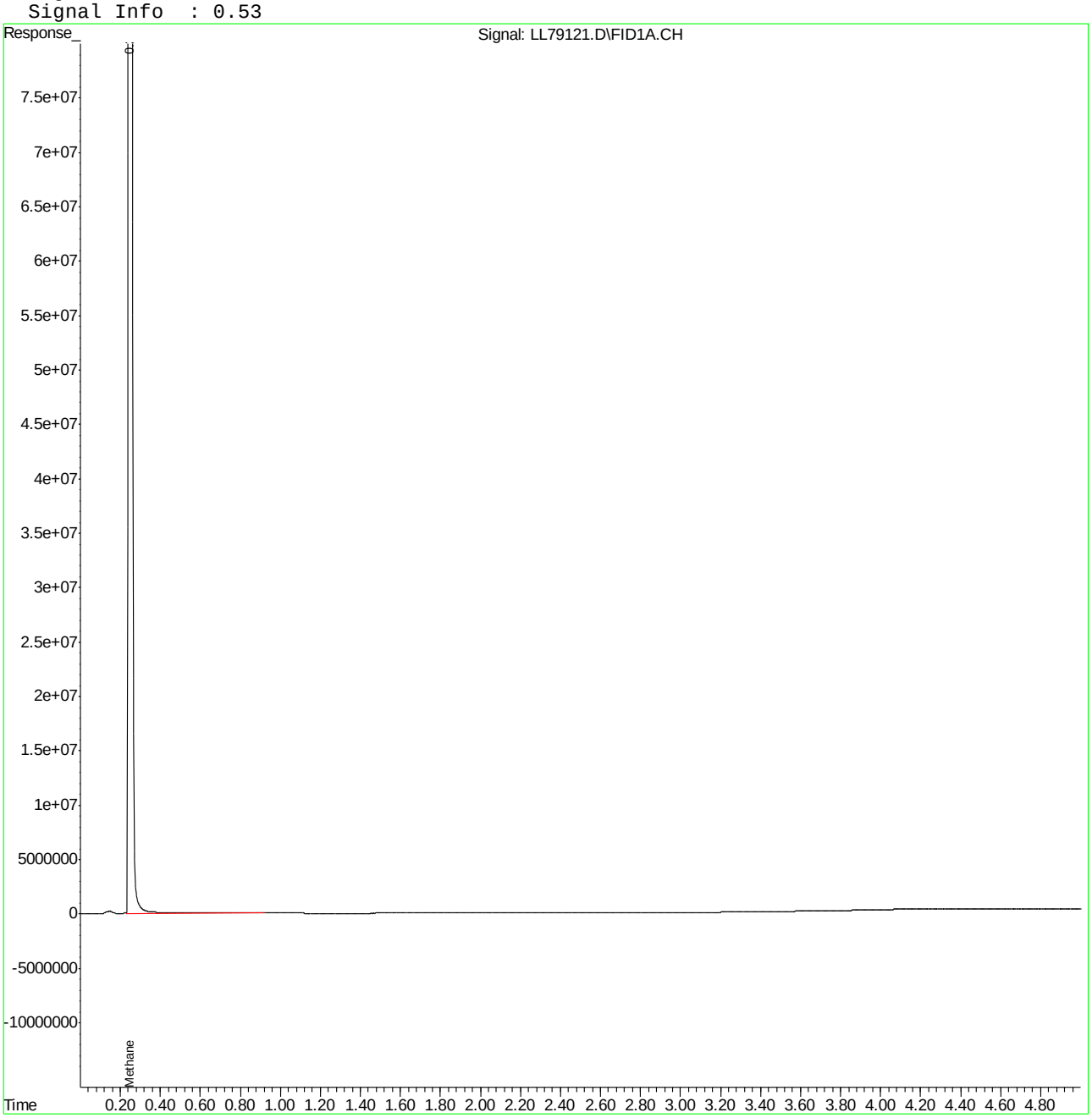
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LL79121.D RSK122321B.M Wed Aug 31 10:50:43 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79121.D Vial: 38
Acq On : 8-30-2022 06:22:16 PM Operator: kimb
Sample : fa98431-2, 10x Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,10 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 8:54 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98431-2	**Sample Volume:**	38.0 ml
Lab FileID:	LL79121.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 18:22	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	4919.85	37600	5470	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79103.D Vial: 20
Acq On : 8-30-2022 03:15:53 PM Operator: kimb
Sample : fa98431-3 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:30 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.25	35601628593	58335.110	ppmv
2)	Acetylene	0.00	0	N.D.	ppmv d
3)	Ethylene	0.00	0	N.D.	ppmv d
4)	Ethane	0.00	0	N.D.	ppmv d
5)	Propane	0.00	0	N.D.	ppmv d

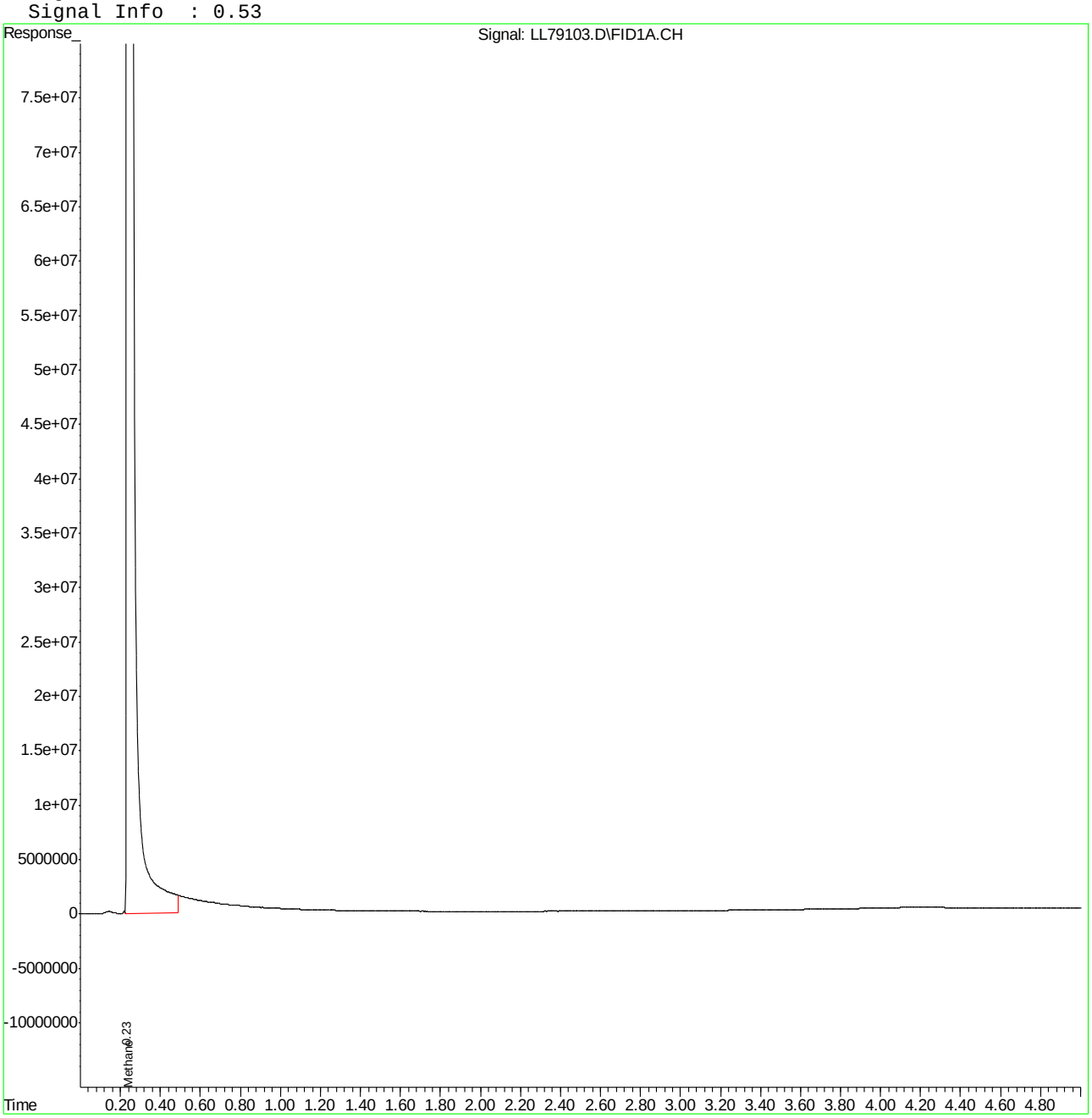
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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79103.D Vial: 20
Acq On : 8-30-2022 03:15:53 PM Operator: kimb
Sample : fa98431-3 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:35 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98431-3	**Sample Volume:**	38.0 ml
Lab FileID:	LL79103.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 15:15	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	58335.11	37600	6490	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79138.D Vial: 15
Acq On : 31 Aug 2022 12:49 pm Operator: kimb
Sample : fa98431-3, 20x Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,20 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 13:03:12 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
	Target Compounds					
1)	Methane	0.24	3305372489	5416.024	ppmv	
2)	Acetylene	0.00	0	N.D.	ppmv	
3)	Ethylene	0.00	0	N.D.	ppmv	d
4)	Ethane	0.00	0	N.D.	ppmv	d
5)	Propane	0.00	0	N.D.	ppmv	

9.1.6

6

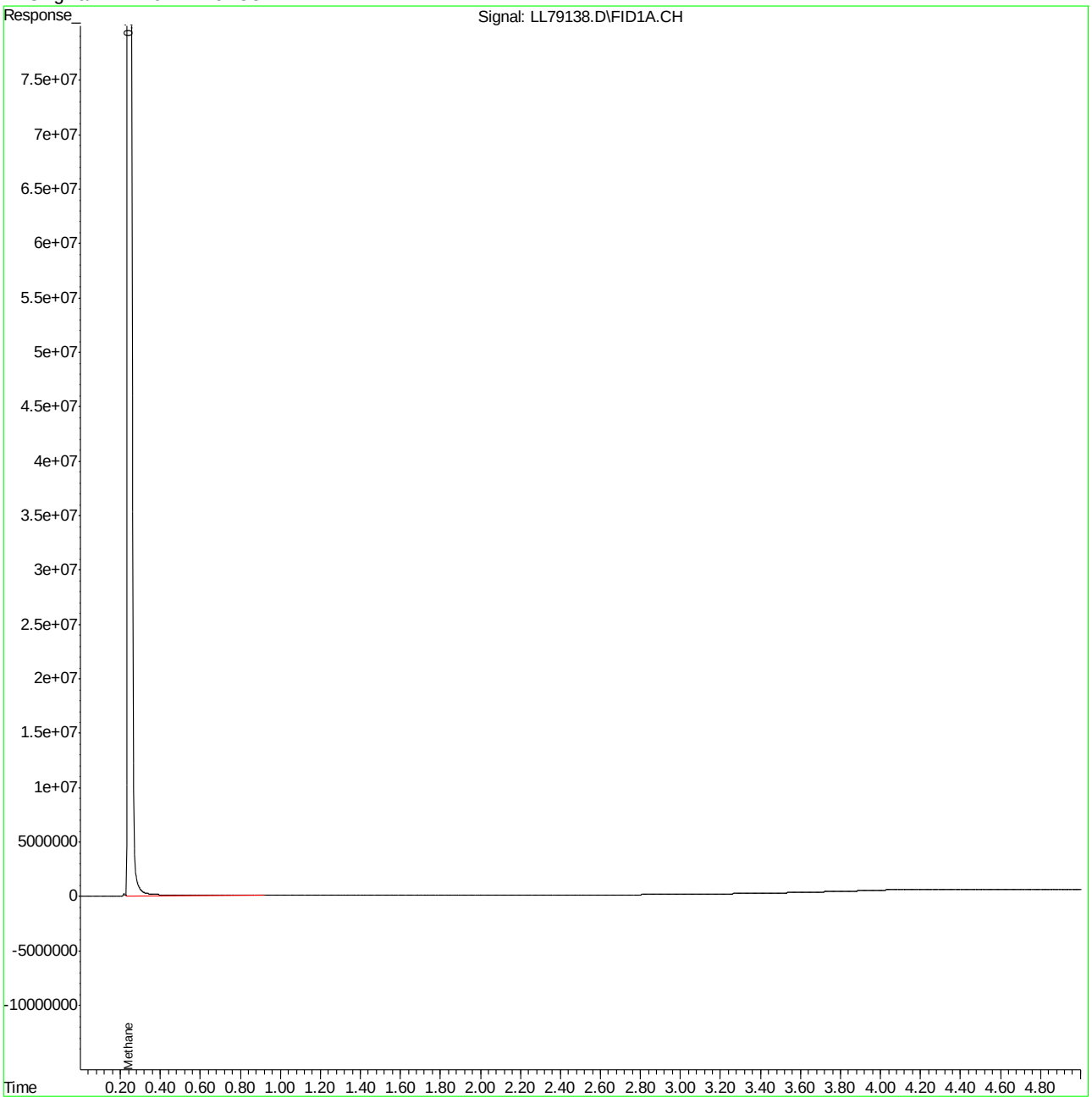
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LL79138.D RSK122321B.M Wed Aug 31 15:45:44 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79138.D Vial: 15
Acq On : 31 Aug 2022 12:49 pm Operator: kimb
Sample : fa98431-3, 20x Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,20 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 13:03 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98431-3	**Sample Volume:**	38.0 ml
Lab FileID:	LL79138.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 12:49	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	5416.02	37600	12000	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79104.D Vial: 21
Acq On : 8-30-2022 03:23:27 PM Operator: kimb
Sample : fa98431-4 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:31 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.25	49332262	80.833	ppmv
2)	Acetylene	0.00	0	N.D.	ppmv
3)	Ethylene	0.00	0	N.D.	ppmv
4)	Ethane	0.00	0	N.D.	ppmv d
5)	Propane	0.00	0	N.D.	ppmv

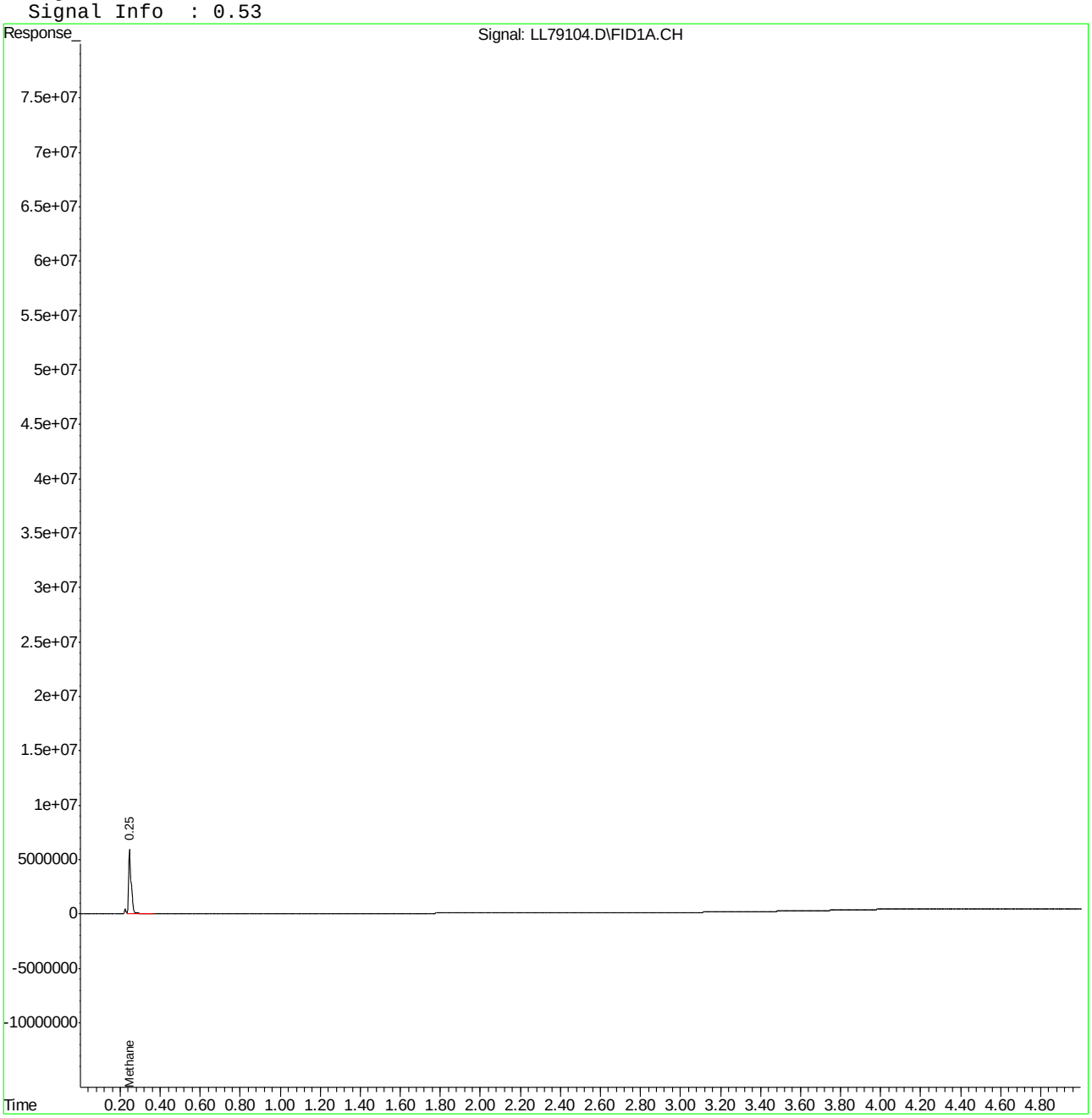
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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79104.D Vial: 21
Acq On : 8-30-2022 03:23:27 PM Operator: kimb
Sample : fa98431-4 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:36 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98431-4	**Sample Volume:**	38.0 ml
Lab FileID:	LL79104.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 15:23	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	80.83	37600	9.0	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79105.D Vial: 22
Acq On : 8-30-2022 03:31:31 PM Operator: kimb
Sample : fa98431-5 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:32 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	1597738875	2617.978	ppmv
2)	Acetylene	0.00	0	N.D.	ppmv d
3)	Ethylene	0.00	0	N.D.	ppmv d
4)	Ethane	0.00	0	N.D.	ppmv
5)	Propane	0.00	0	N.D.	ppmv

9.1.8

9

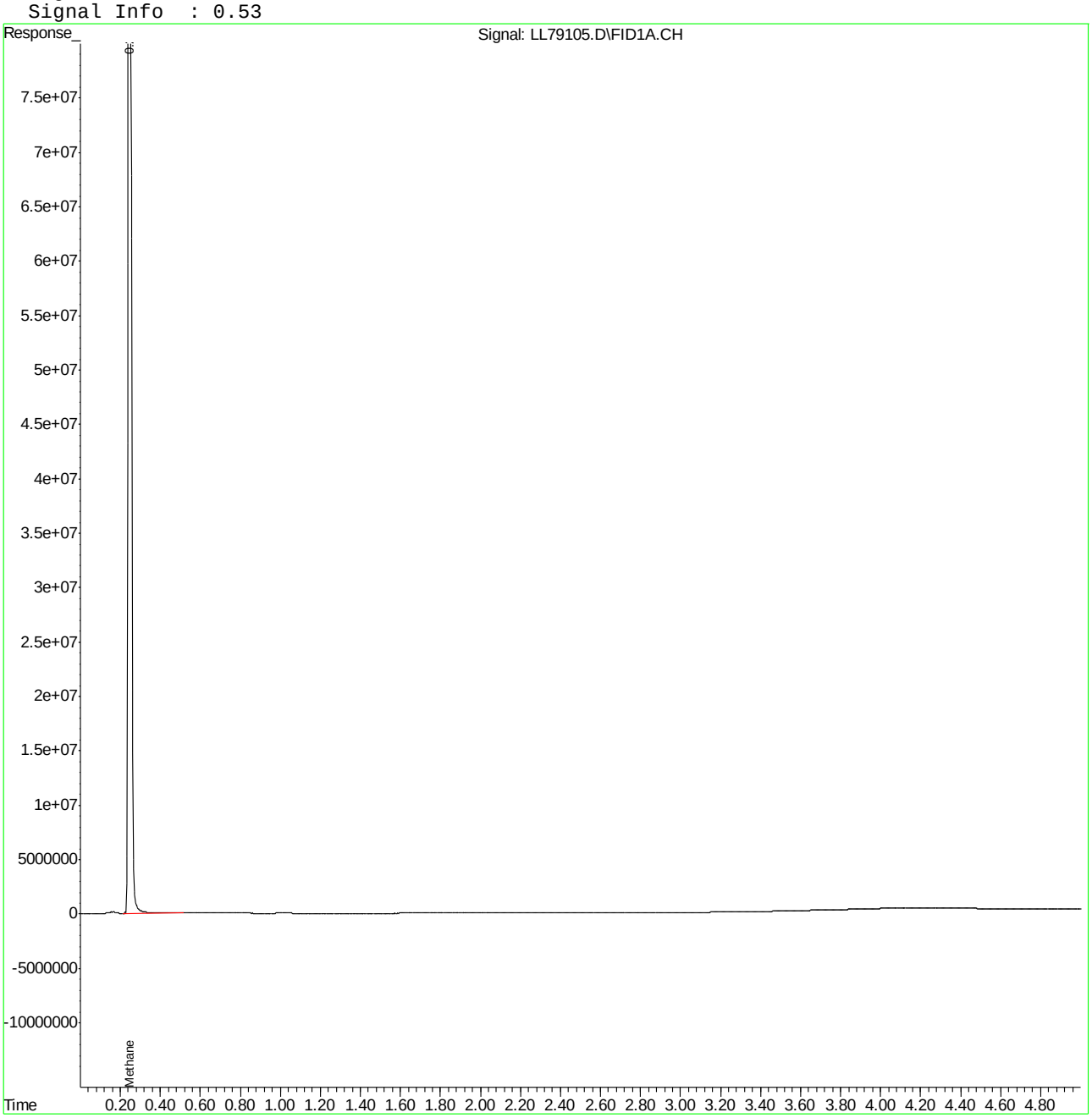
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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79105.D Vial: 22
Acq On : 8-30-2022 03:31:31 PM Operator: kimb
Sample : fa98431-5 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:36 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98431-5	**Sample Volume:**	38.0 ml
Lab FileID:	LL79105.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 15:31	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	2617.98	37600	291	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79106.D Vial: 23
Acq On : 8-30-2022 03:44:02 PM Operator: kimb
Sample : fa98431-6 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:33 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	21074825398	34532.192	ppmv
2)	Acetylene	0.00	0	N.D.	ppmv d
3)	Ethylene	0.00	0	N.D.	ppmv d
4)	Ethane	0.00	0	N.D.	ppmv d
5)	Propane	0.00	0	N.D.	ppmv

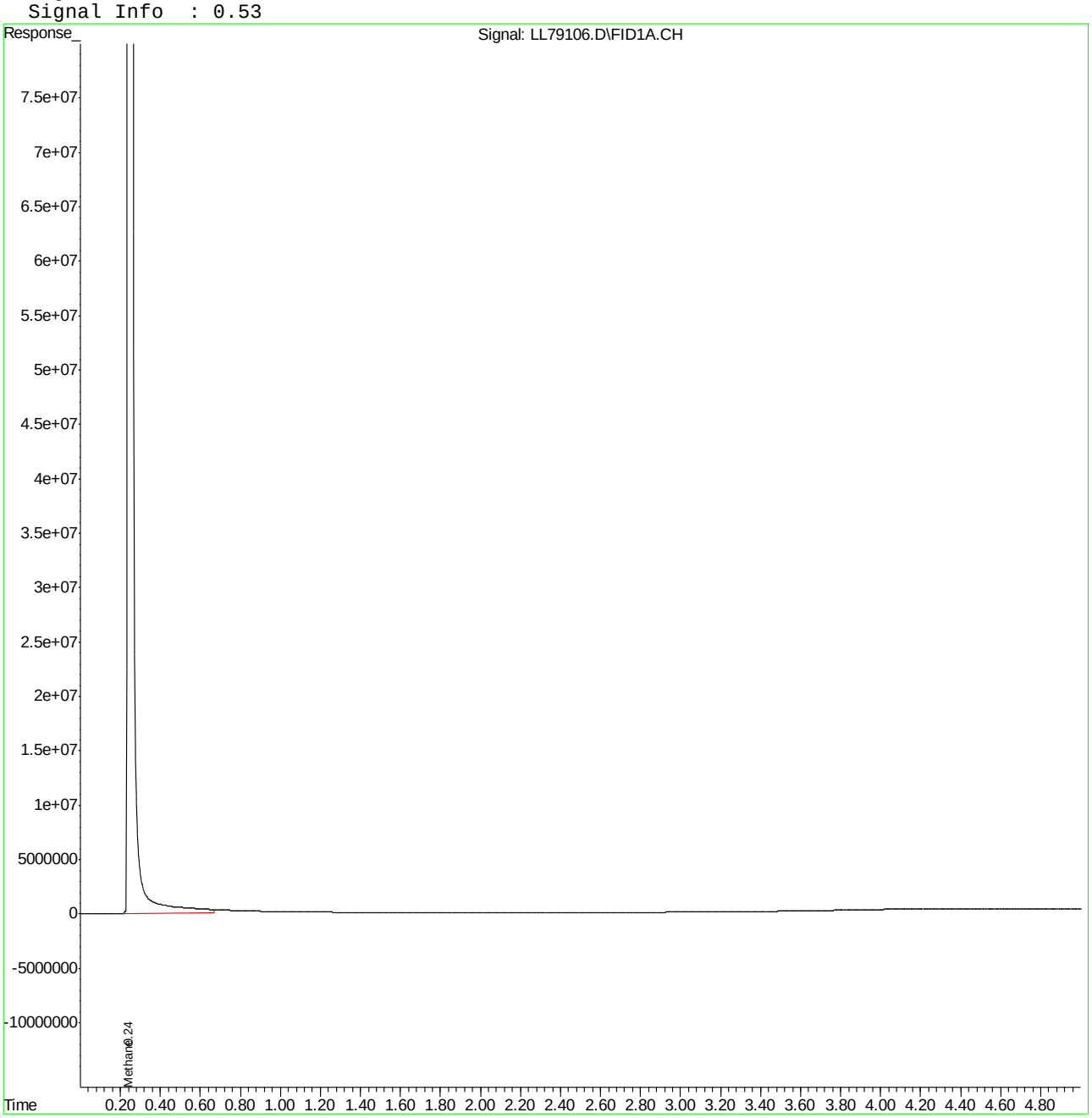
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LL79106.D RSK122321B.M Wed Aug 31 10:50:28 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79106.D Vial: 23
Acq On : 8-30-2022 03:44:02 PM Operator: kimb
Sample : fa98431-6 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:36 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98431-6	**Sample Volume:**	38.0 ml
Lab FileID:	LL79106.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 15:44	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	34532.19	37600	3840	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79109.D Vial: 26
Acq On : 8-30-2022 04:18:35 PM Operator: kimb
Sample : fa98431-6, 10x Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,10 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:36 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	2154514114	3530.283	ppmv
2)	Acetylene	0.00	0	N.D.	ppmv
3)	Ethylene	0.00	0	N.D.	ppmv
4)	Ethane	0.00	0	N.D.	ppmv
5)	Propane	0.00	0	N.D.	ppmv d

9.1.10

9

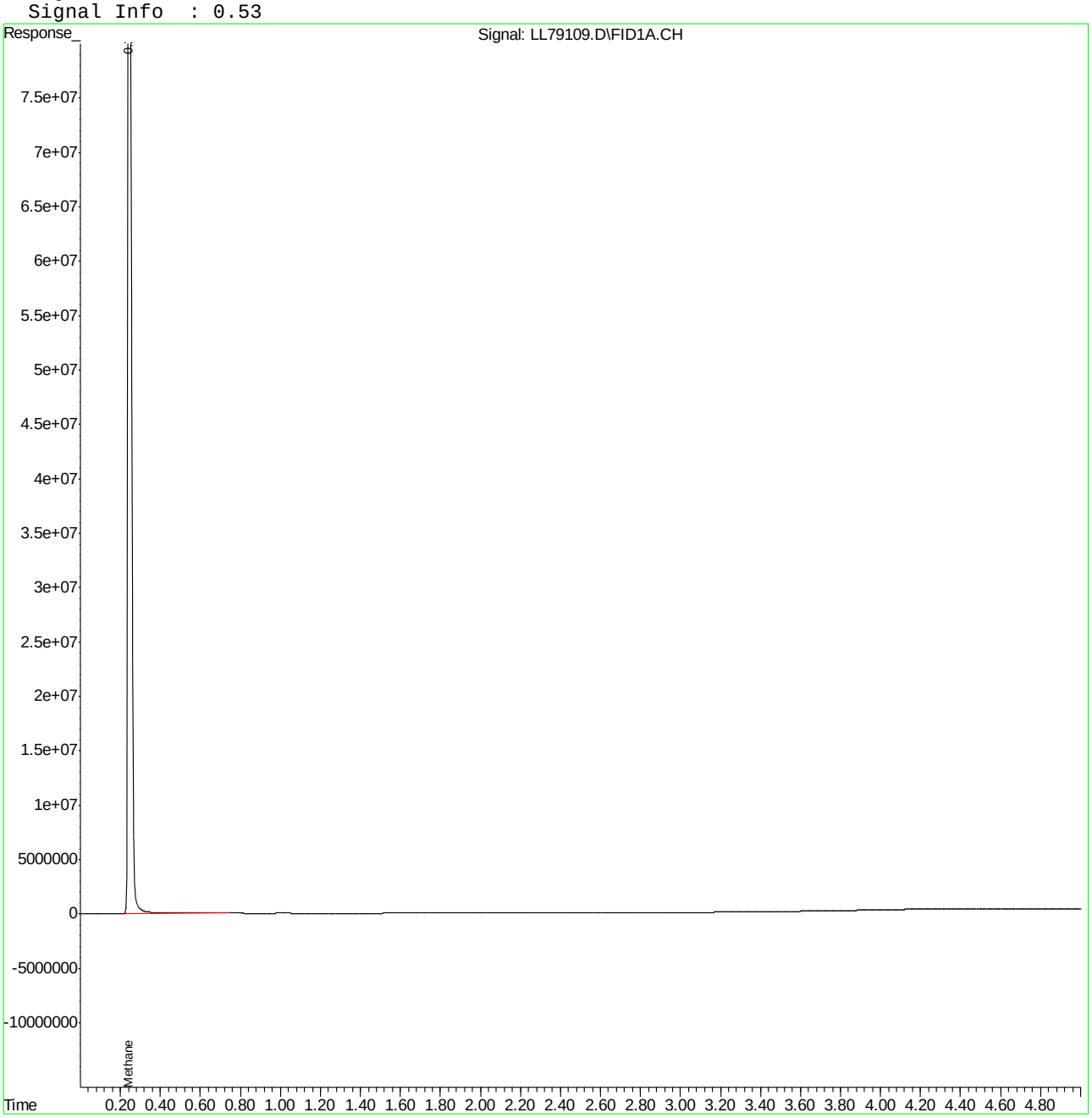
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79109.D Vial: 26
Acq On : 8-30-2022 04:18:35 PM Operator: kimb
Sample : fa98431-6, 10x Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,10 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:37 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98431-6	**Sample Volume:**	38.0 ml
Lab FileID:	LL79109.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 16:18	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	3530.28	37600	3930	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 09/01/22 17:18

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79112.D Vial: 29
Acq On : 8-30-2022 04:52:09 PM Operator: kimb
Sample : fa98431-7 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:39 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
	Target Compounds					
1)	Methane	0.25	8475283	13.887	ppmv	
2)	Acetylene	0.00	0	N.D.	ppmv	
3)	Ethylene	0.00	0	N.D.	ppmv	d
4)	Ethane	1.02	174417	0.156	ppmv	m
5)	Propane	0.00	0	N.D.	ppmv	

9.1.11
9

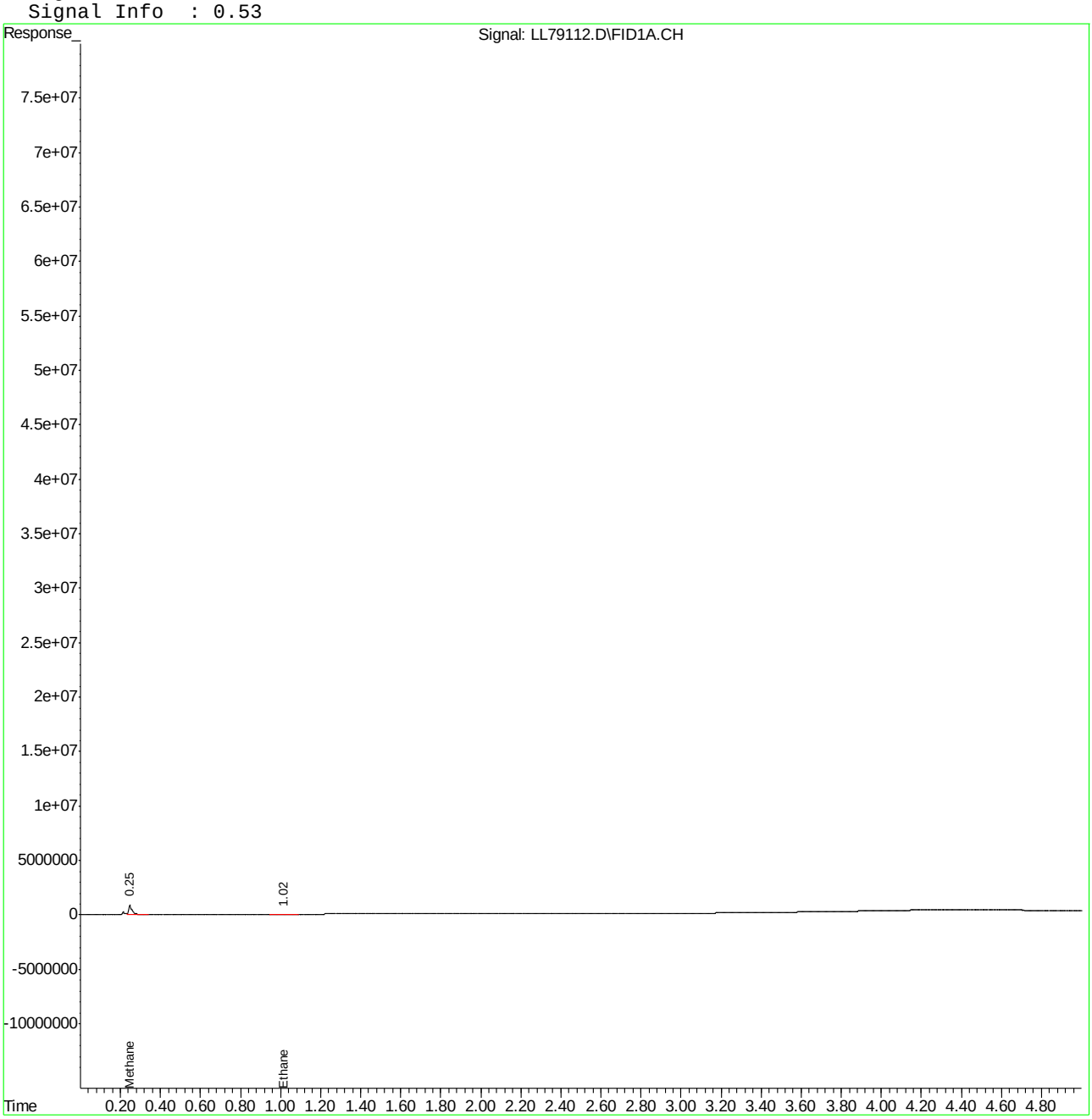
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79112.D Vial: 29
Acq On : 8-30-2022 04:52:09 PM Operator: kimb
Sample : fa98431-7 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:38 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: FA98431-7
Lab FileID: LL79112.D
Injection Time: 08/30/22 16:52
Method: RSKSOP-147/175
Analyst approved: 08/31/22 15:04 Kim Benham
Supervisor approved: 09/01/22 17:18 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethane	74-84-0	1	1.02	Poor instrument integration

Dissolved Gases Raw Data Summary

Sample Number:	FA98431-7	**Sample Volume:**	38.0 ml
Lab FileID:	LL79112.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 16:52	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	13.89	37600	1.5	ug/l
Ethane	74-84-0	30	0.16	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79113.D Vial: 30
Acq On : 8-30-2022 05:00:26 PM Operator: kimb
Sample : fa98431-8 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:40 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	19115344099	31321.480	ppmv
2)	Acetylene	0.00	0	N.D.	ppmv
3)	Ethylene	0.00	0	N.D.	ppmv d
4)	Ethane	0.00	0	N.D.	ppmv d
5)	Propane	0.00	0	N.D.	ppmv

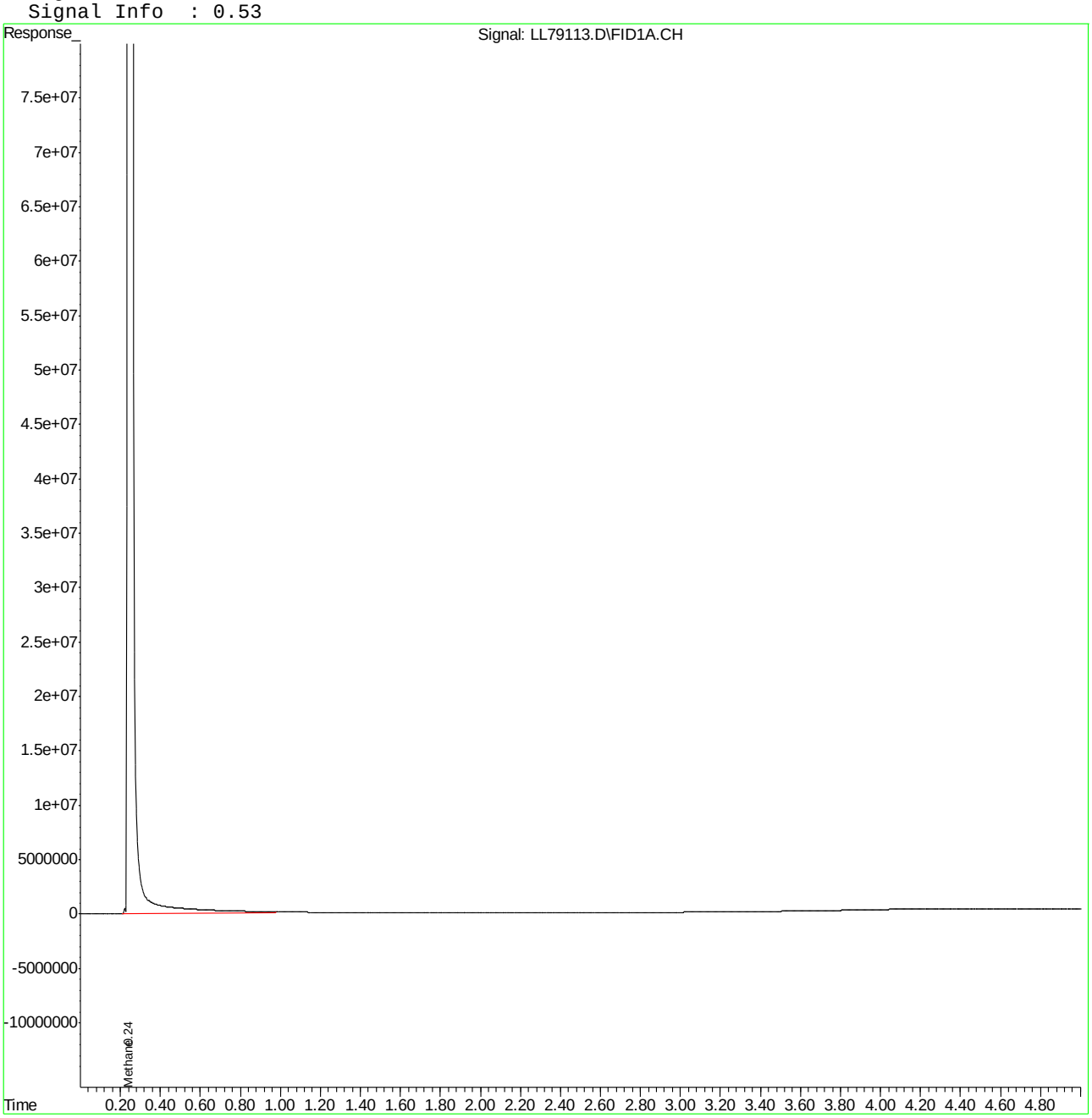
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LL79113.D RSK122321B.M Wed Aug 31 10:50:35 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79113.D Vial: 30
Acq On : 8-30-2022 05:00:26 PM Operator: kimb
Sample : fa98431-8 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:39 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98431-8	**Sample Volume:**	38.0 ml
Lab FileID:	LL79113.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 17:00	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	31321.48	37600	3480	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79130.D Vial: 7
Acq On : 8-31-2022 09:33:35 AM Operator: kimb
Sample : fa98431-8, 10x Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,10 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 12:02:09 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

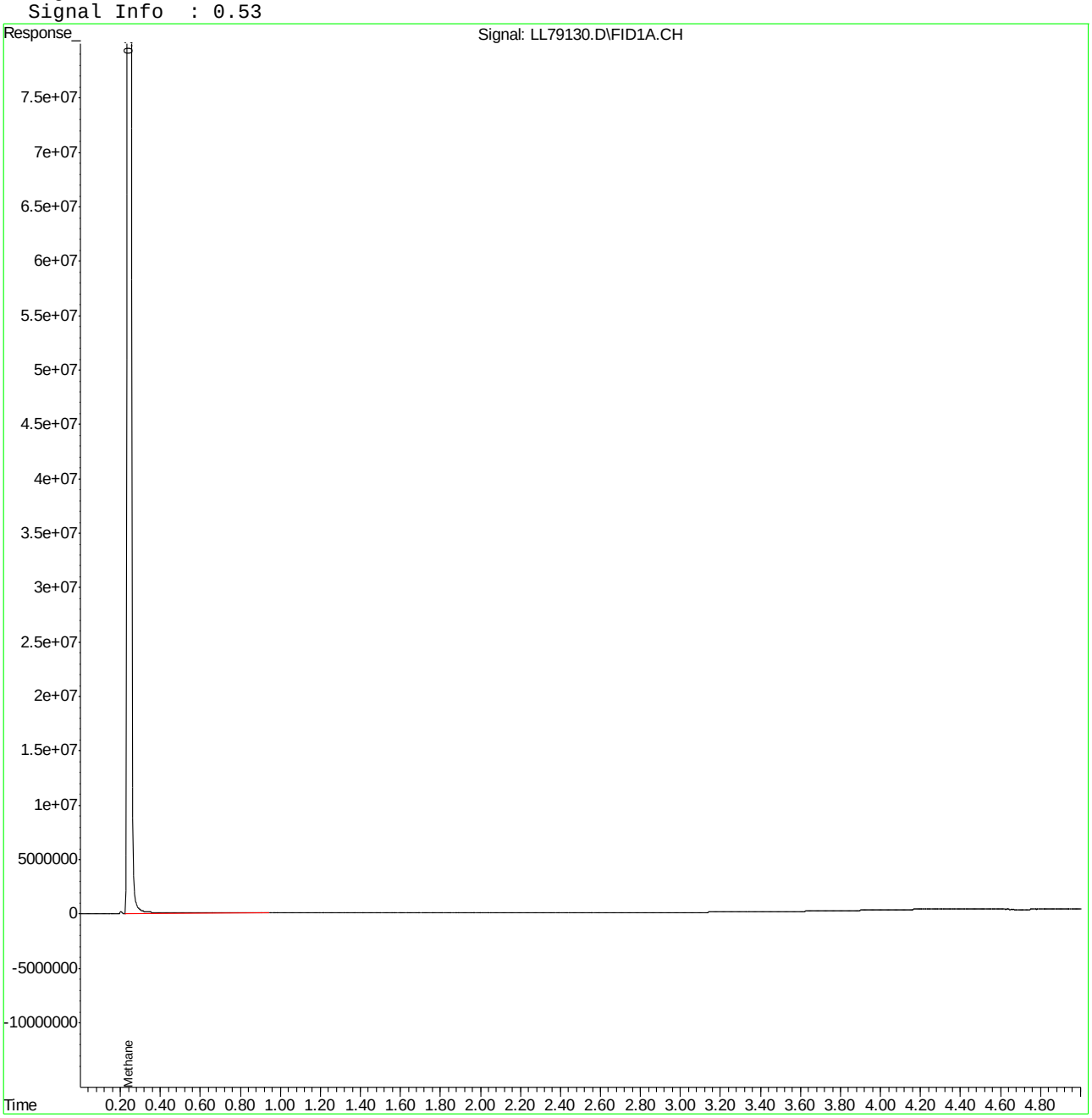
	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	2140901152	3507.977	ppmv
2)	Acetylene	0.00	0	N.D.	ppmv
3)	Ethylene	0.00	0	N.D.	ppmv
4)	Ethane	0.00	0	N.D.	ppmv
5)	Propane	0.00	0	N.D.	ppmv

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79130.D Vial: 7
Acq On : 8-31-2022 09:33:35 AM Operator: kimb
Sample : fa98431-8, 10x Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,10 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 12:02 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98431-8	**Sample Volume:**	38.0 ml
Lab FileID:	LL79130.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 09:33	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	3507.98	37600	3900	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 09/01/22 17:18

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79114.D Vial: 31
Acq On : 8-30-2022 05:09:51 PM Operator: kimb
Sample : fa98431-9 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:41 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.25	35008446358	57363.151	ppmv
2)	Acetylene	0.00	0	N.D.	ppmv d
3)	Ethylene	0.77	6055633	5.566	ppmv m
4)	Ethane	0.00	0	N.D.	ppmv d
5)	Propane	0.00	0	N.D.	ppmv

9.1.14
9

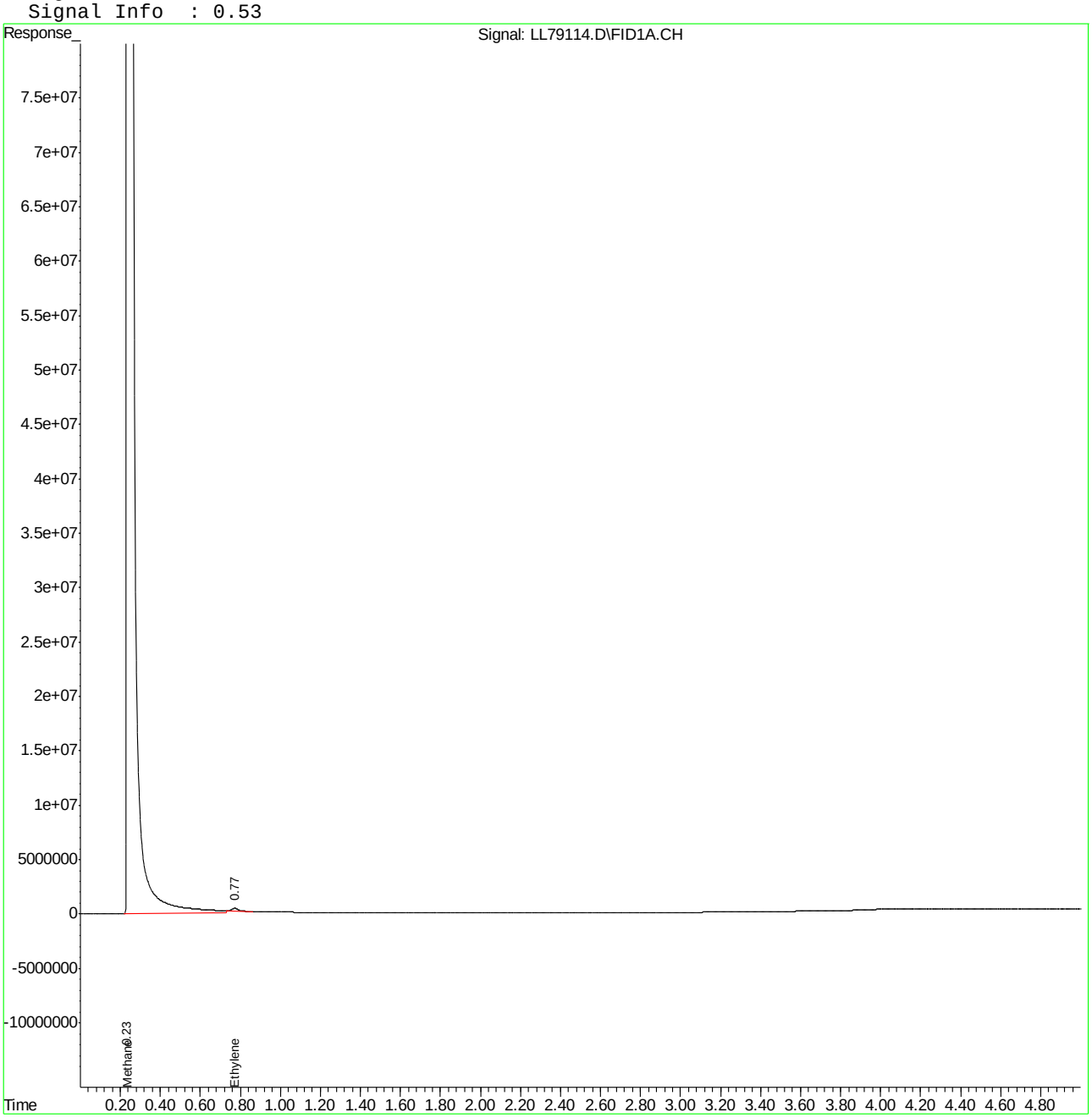
(f)=RT Delta > 1/2 Window (m)=manual int.
LL79114.D RSK122321B.M Wed Aug 31 10:50:36 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79114.D Vial: 31
Acq On : 8-30-2022 05:09:51 PM Operator: kimb
Sample : fa98431-9 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:40 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: FA98431-9
Lab FileID: LL79114.D
Injection Time: 08/30/22 17:09
Method: RSKSOP-147/175
Analyst approved: 08/31/22 15:04 Kim Benham
Supervisor approved: 09/01/22 17:18 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethene	74-85-1	1	0.77	Poor instrument integration

Dissolved Gases Raw Data Summary

Sample Number:	FA98431-9	**Sample Volume:**	38.0 ml
Lab FileID:	LL79114.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 17:09	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	57363.15	37600	6380	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	5.57	10200	1.7	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79131.D Vial: 8
Acq On : 31 Aug 2022 10:21 am Operator: kimb
Sample : fa98431-9, 10x Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,10 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 12:02:10 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

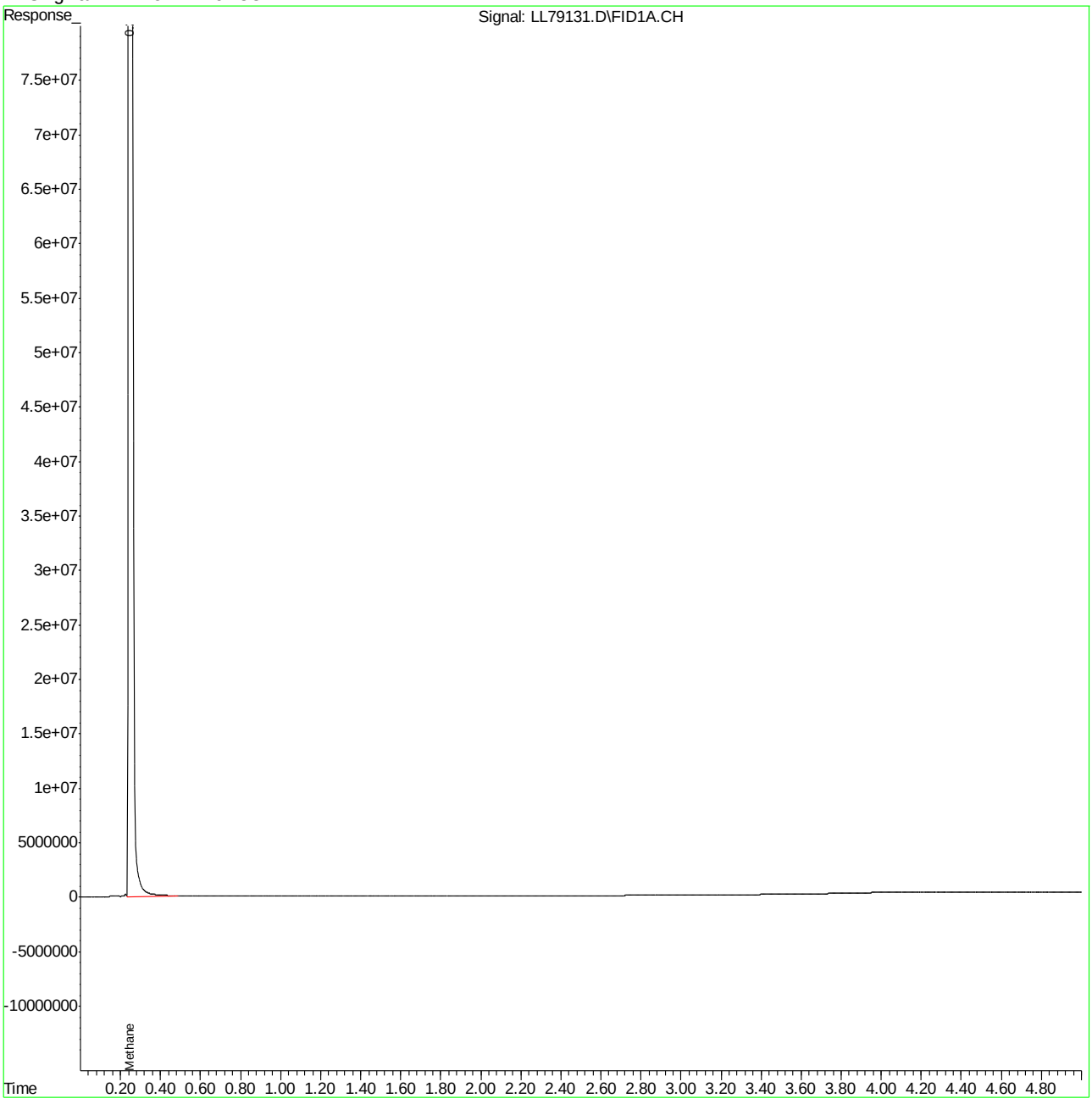
	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	5668710996	9288.476	ppmv
2)	Acetylene	0.00	0	N.D.	ppmv d
3)	Ethylene	0.00	0	N.D.	ppmv d
4)	Ethane	0.00	0	N.D.	ppmv d
5)	Propane	0.00	0	N.D.	ppmv

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79131.D Vial: 8
Acq On : 31 Aug 2022 10:21 am Operator: kimb
Sample : fa98431-9, 10x Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,10 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 12:29 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98431-9	**Sample Volume:**	38.0 ml
Lab FileID:	LL79131.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 10:21	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	9288.48	37600	10300	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79115.D Vial: 32
Acq On : 8-30-2022 05:17:15 PM Operator: kimb
Sample : fa98431-11 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:42 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.25	35032352733	57402.322	ppmv
2)	Acetylene	0.00	0	N.D.	ppmv d
3)	Ethylene	0.00	0	N.D.	ppmv d
4)	Ethane	0.00	0	N.D.	ppmv d
5)	Propane	0.00	0	N.D.	ppmv d

9.1.16

9

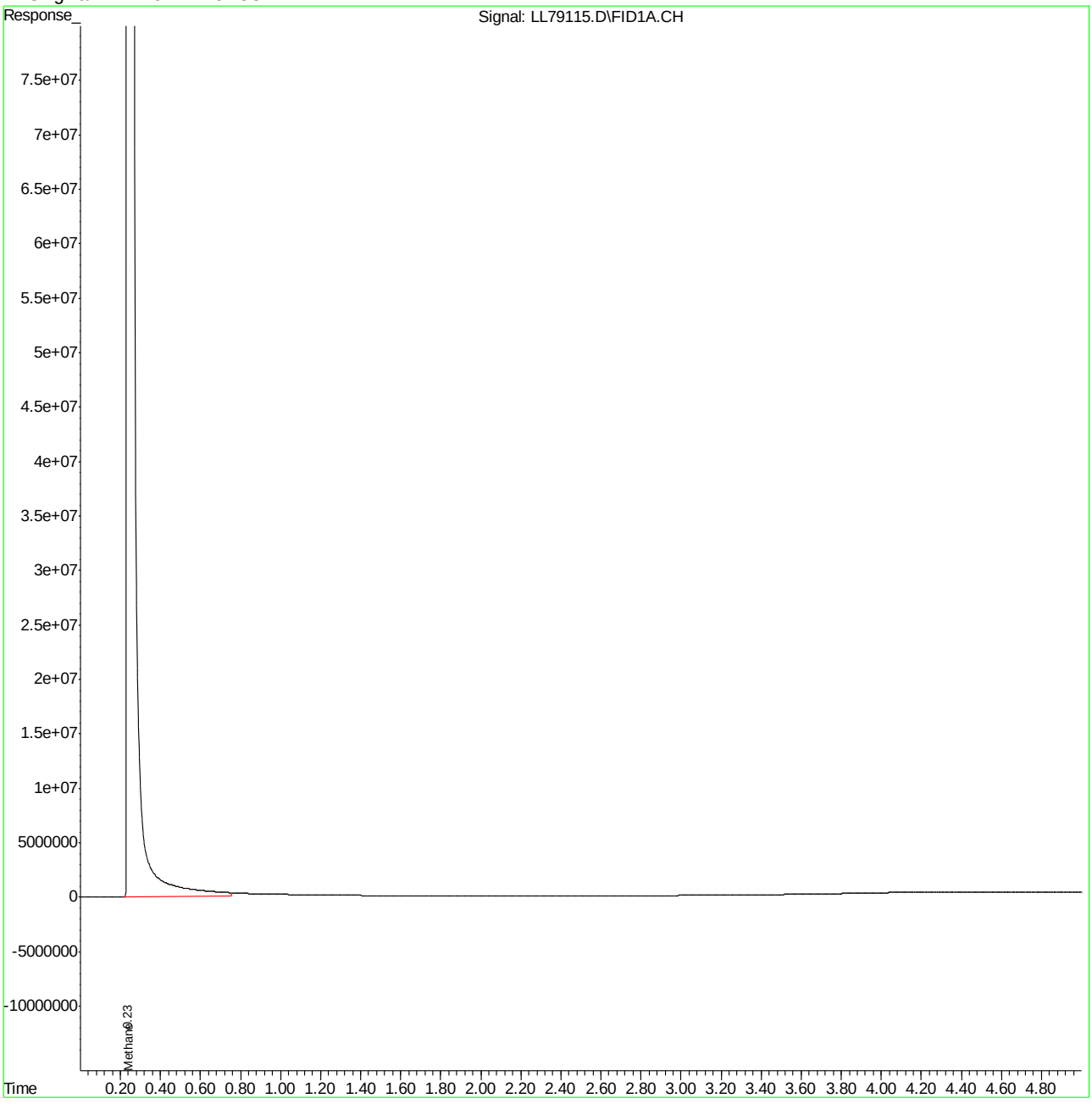
(f)=RT Delta > 1/2 Window (m)=manual int.
LL79115.D RSK122321B.M Wed Aug 31 10:50:37 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79115.D Vial: 32
Acq On : 8-30-2022 05:17:15 PM Operator: kimb
Sample : fa98431-11 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:41 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98431-11	**Sample Volume:**	38.0 ml
Lab FileID:	LL79115.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 17:17	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	57402.32	37600	6380	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79139.D Vial: 16
Acq On : 31 Aug 2022 12:58 pm Operator: kimb
Sample : fa98431-11, 20x Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,20 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 13:03:59 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.25	2760918462	4523.908	ppmv
2)	Acetylene	0.00	0	N.D.	ppmv d
3)	Ethylene	0.00	0	N.D.	ppmv d
4)	Ethane	0.00	0	N.D.	ppmv
5)	Propane	0.00	0	N.D.	ppmv

9.1.17

9

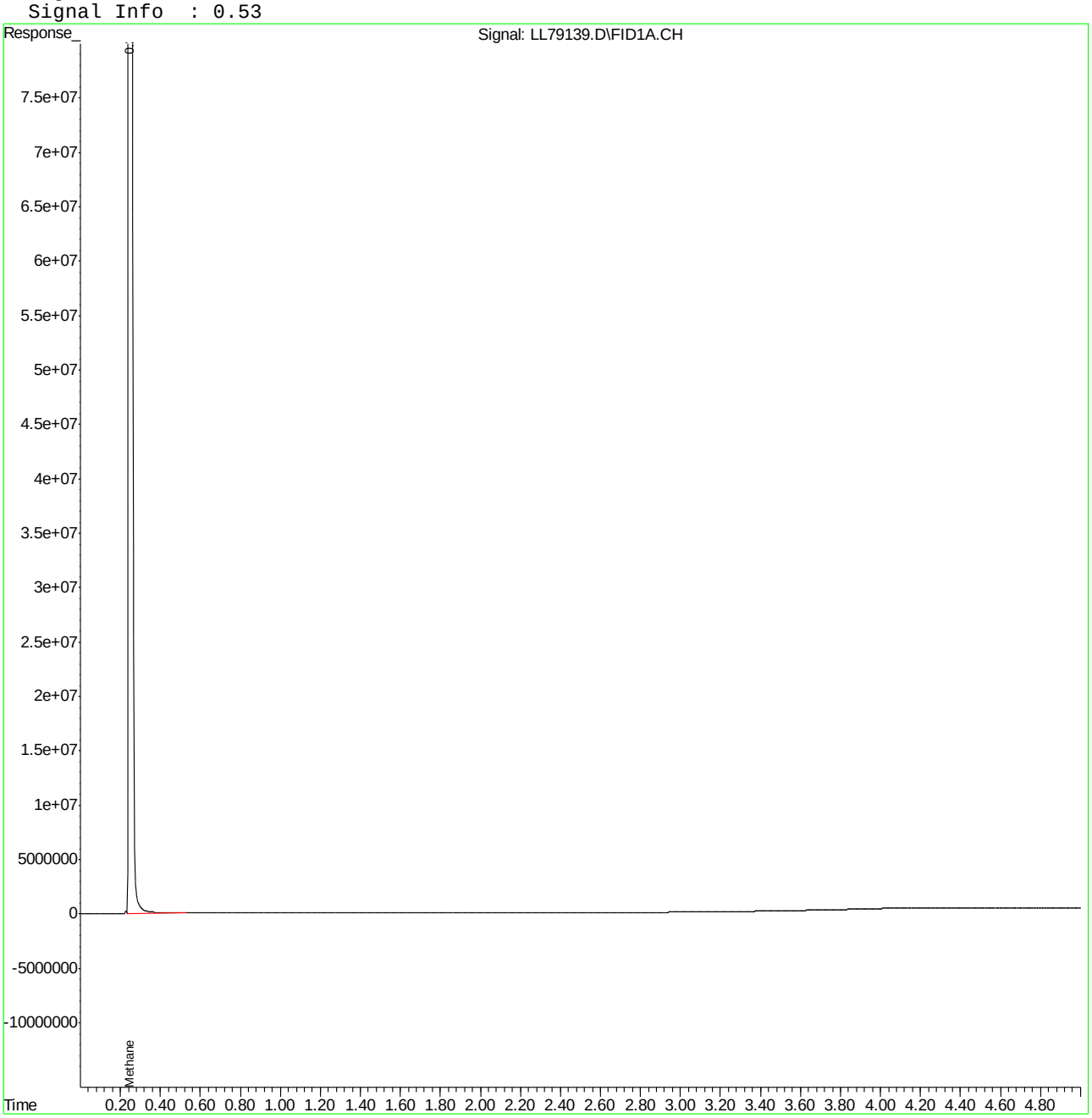
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79139.D Vial: 16
Acq On : 31 Aug 2022 12:58 pm Operator: kimb
Sample : fa98431-11, 20x Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,20 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 13:04 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98431-11	**Sample Volume:**	38.0 ml
Lab FileID:	LL79139.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 12:58	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	4523.91	37600	10100	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 09/01/22 17:18

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79091.D Vial: 8
Acq On : 30 Aug 2022 12:05 pm Operator: kimb
Sample : mb Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:18 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	102744	0.168	ppmv m
2)	Acetylene	0.00	0	N.D.	ppmv
3)	Ethylene	0.00	0	N.D.	ppmv
4)	Ethane	0.00	0	N.D.	ppmv
5)	Propane	0.00	0	N.D.	ppmv

9.2.1
9

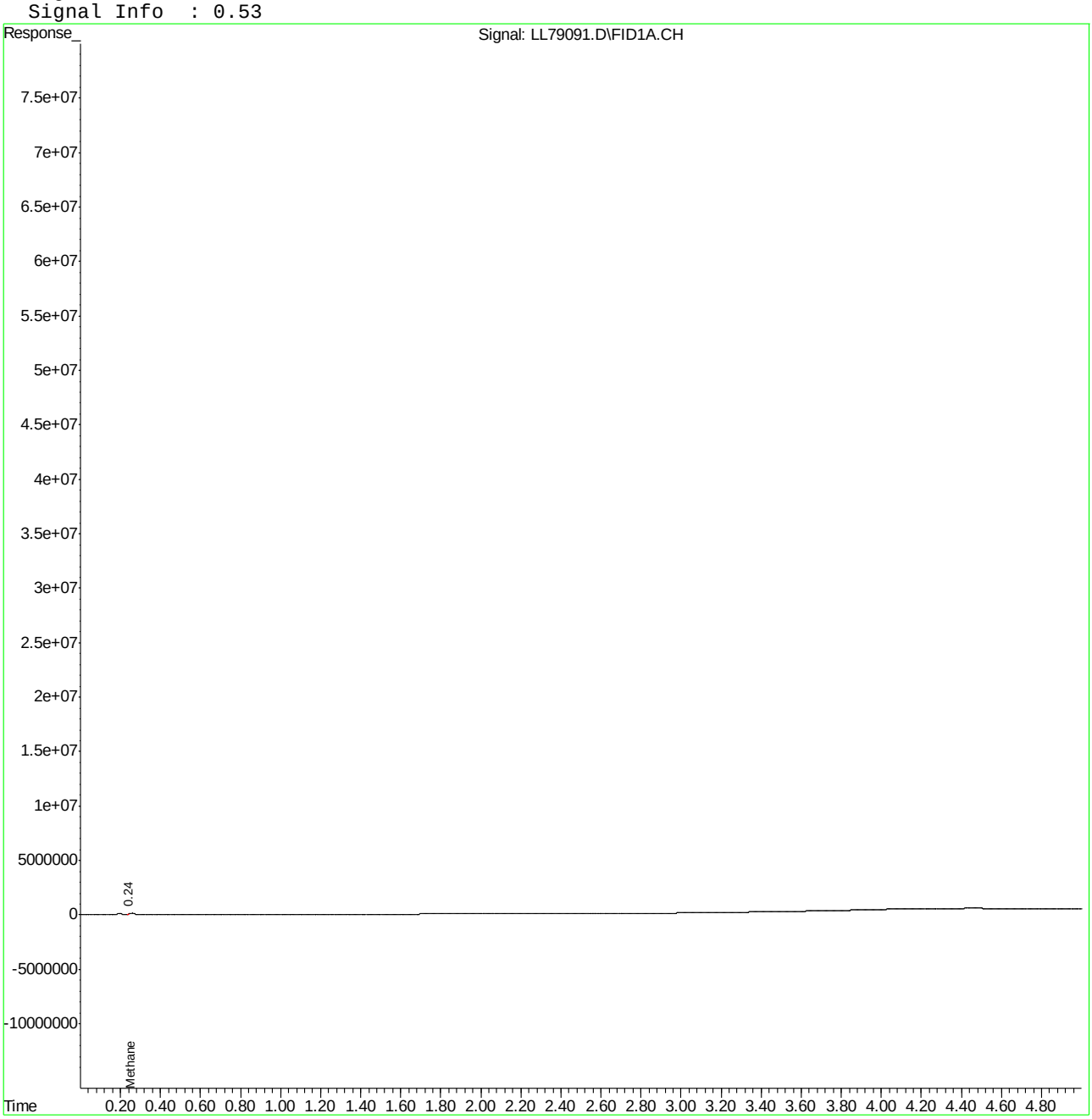
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79091.D Vial: 8
Acq On : 30 Aug 2022 12:05 pm Operator: kimb
Sample : mb Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:26 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: GLL2747-MB
Lab FileID: LL79091.D
Injection Time: 08/30/22 12:05
Method: RSKSOP-147/175
Analyst approved: 08/31/22 15:04 Kim Benham
Supervisor approved: 09/01/22 17:18 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Methane	74-82-8	1	0.24	Poor instrument integration

Dissolved Gases Raw Data Summary

Sample Number:	GLL2747-MB	**Sample Volume:**	38.0 ml
Lab FileID:	LL79091.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 12:05	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	0.17	37600	0.0	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79129.D Vial: 6
Acq On : 8-31-2022 09:09:04 AM Operator: kimb
Sample : mb Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 12:02:08 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.00	0	N.D.	ppmv d
2)	Acetylene	0.00	0	N.D.	ppmv
3)	Ethylene	0.00	0	N.D.	ppmv
4)	Ethane	0.00	0	N.D.	ppmv
5)	Propane	0.00	0	N.D.	ppmv

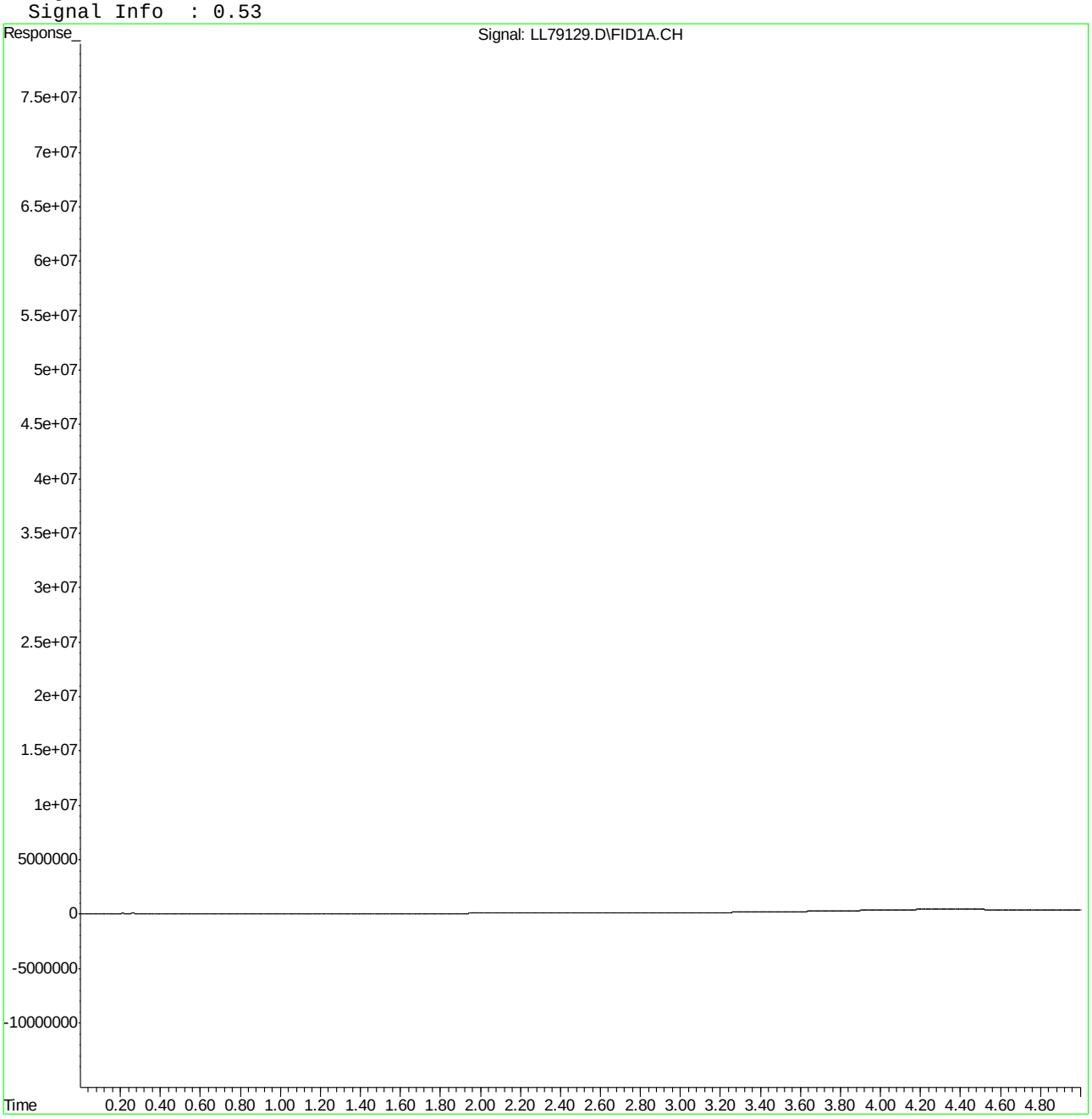
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79129.D Vial: 6
Acq On : 8-31-2022 09:09:04 AM Operator: kimb
Sample : mb Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 12:04 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	GLL2748-MB	**Sample Volume:**	38.0 ml
Lab FileID:	LL79129.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 09:09	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	0	37600	0.0	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79086.D Vial: 3
Acq On : 30 Aug 2022 10:50 am Operator: kimb
Sample : bs Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 30 16:21:27 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	581894998	953.465	ppmv
2)	Acetylene	0.57	1057111735	785.918	ppmv
3)	Ethylene	0.77	971891759	893.332	ppmv
4)	Ethane	1.01	1026000428	916.980	ppmv
5)	Propane	3.25	1365584202	921.045	ppmv

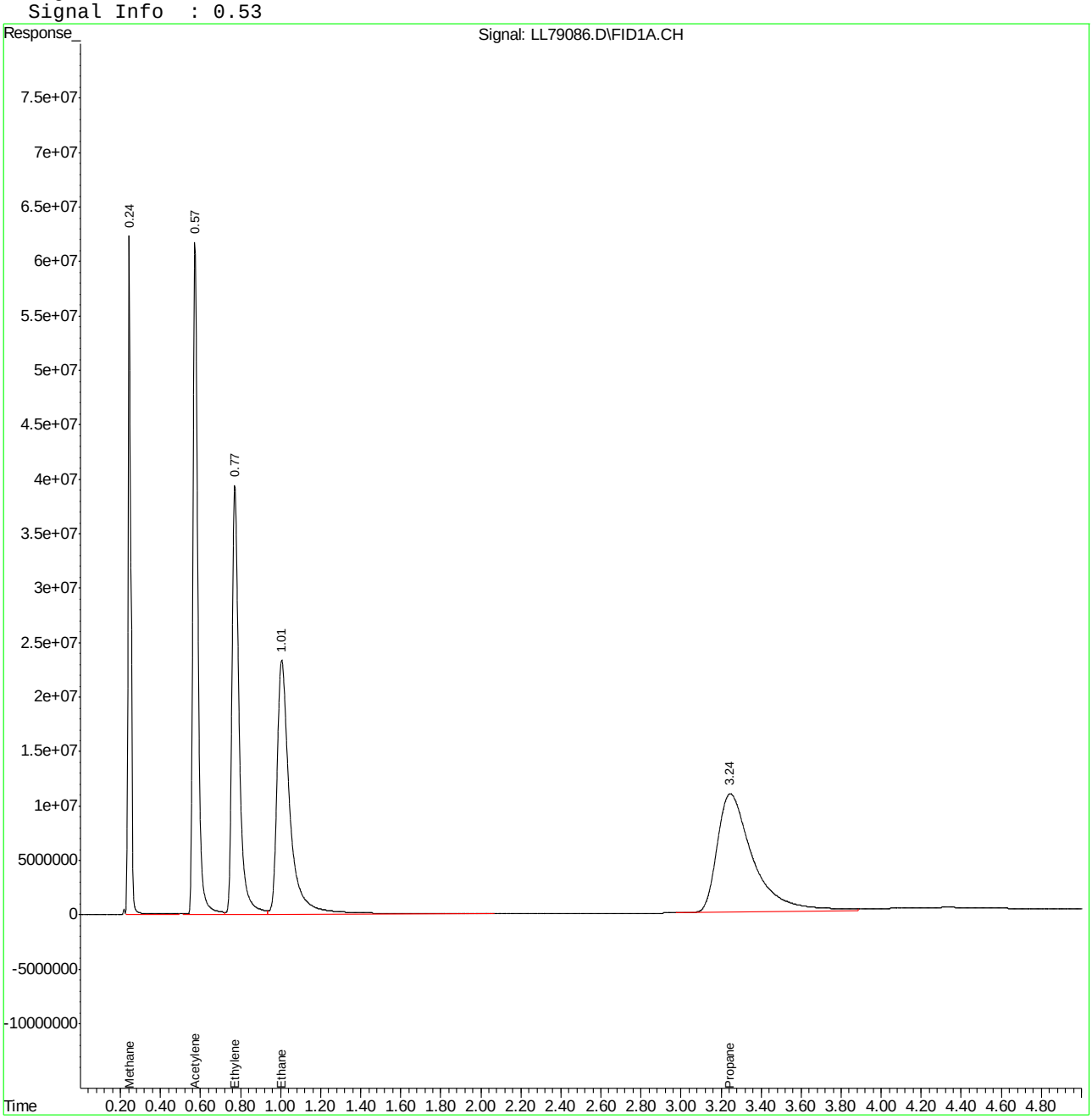
(f)=RT Delta > 1/2 Window (m)=manual int.
LL79086.D RSK122321B.M Tue Aug 30 16:22:44 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79086.D Vial: 3
Acq On : 30 Aug 2022 10:50 am Operator: kimb
Sample : bs Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 30 16:21 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	GLL2747-BS	**Sample Volume:**	38.0 ml
Lab FileID:	LL79086.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 10:50	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	953.47	37600	106	ug/l
Ethane	74-84-0	30	916.98	26300	209	ug/l
Ethene	74-85-1	28	893.33	10200	273	ug/l
Acetylene	74-86-2	26	785.92	11940	207	ug/l
Propane	74-98-6	44	921.05	31474	293	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79087.D Vial: 4
Acq On : 30 Aug 2022 11:01 am Operator: kimb
Sample : bsd Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 30 16:21:28 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	651515844	1067.542	ppmv
2)	Acetylene	0.57	1492126855	1109.334	ppmv
3)	Ethylene	0.77	1190714011	1094.467	ppmv
4)	Ethane	1.00	1214079117	1085.074	ppmv
5)	Propane	3.24	1665368941	1123.241	ppmv

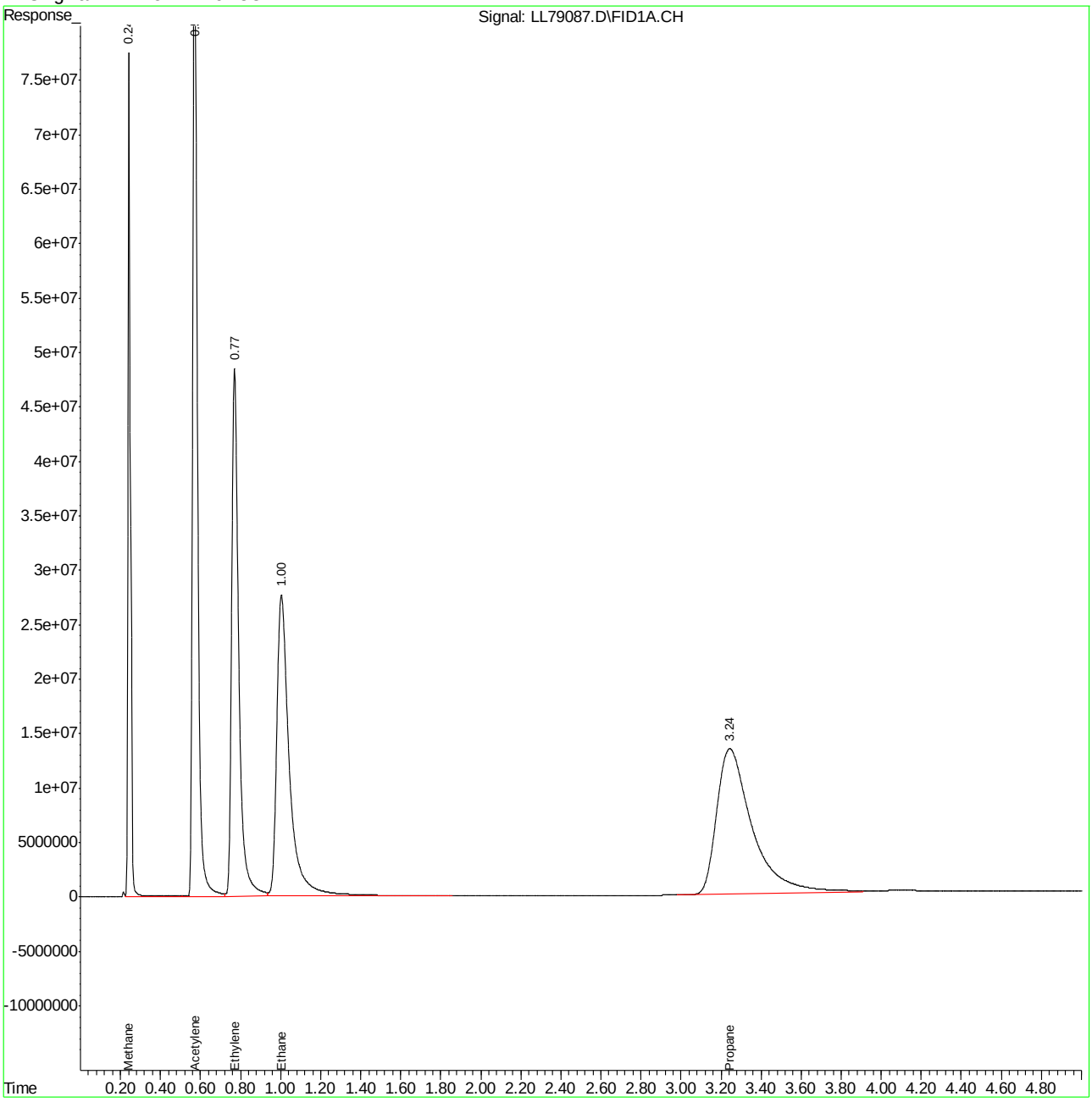
(f)=RT Delta > 1/2 Window (m)=manual int.
LL79087.D RSK122321B.M Tue Aug 30 16:22:45 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79087.D Vial: 4
Acq On : 30 Aug 2022 11:01 am Operator: kimb
Sample : bsd Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 30 16:21 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	GLL2747-BSD	**Sample Volume:**	38.0 ml
Lab FileID:	LL79087.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 11:01	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	1067.54	37600	119	ug/l
Ethane	74-84-0	30	1085.07	26300	247	ug/l
Ethene	74-85-1	28	1094.47	10200	334	ug/l
Acetylene	74-86-2	26	1109.33	11940	292	ug/l
Propane	74-98-6	44	1123.24	31474	358	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79126.D Vial: 3
Acq On : 8-31-2022 08:39:26 AM Operator: kimb
Sample : bs Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 12:02:05 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

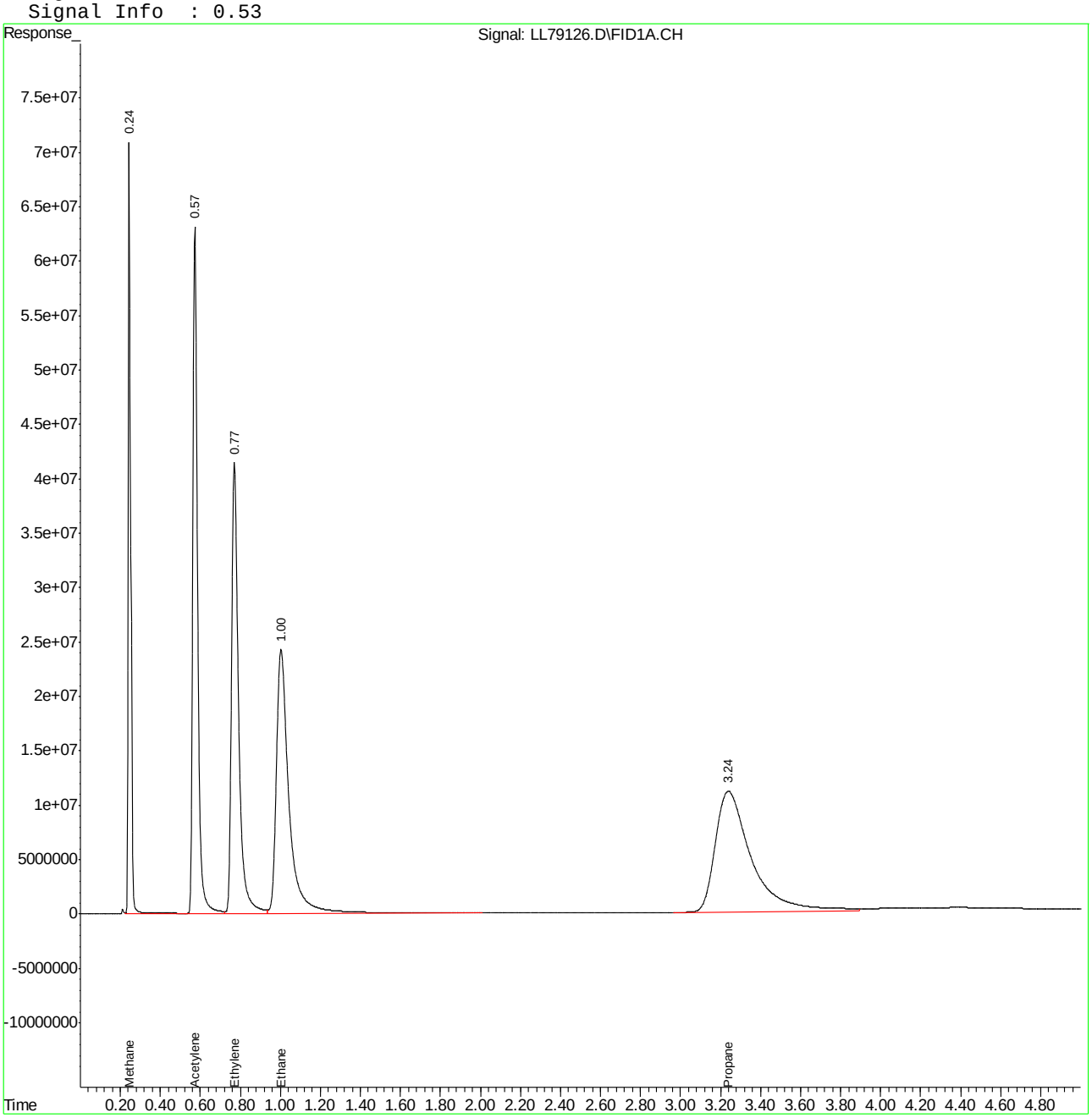
	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	597006226	978.226	ppmv
2)	Acetylene	0.57	1054935366	784.300	ppmv
3)	Ethylene	0.77	1011943090	930.146	ppmv
4)	Ethane	1.00	1055700010	943.524	ppmv
5)	Propane	3.24	1381606535	931.852	ppmv

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79126.D Vial: 3
Acq On : 8-31-2022 08:39:26 AM Operator: kimb
Sample : bs Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 12:02 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	GLL2748-BS	**Sample Volume:**	38.0 ml
Lab FileID:	LL79126.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 08:39	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	978.23	37600	109	ug/l
Ethane	74-84-0	30	943.52	26300	215	ug/l
Ethene	74-85-1	28	930.15	10200	284	ug/l
Acetylene	74-86-2	26	784.3	11940	206	ug/l
Propane	74-98-6	44	931.85	31474	297	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79127.D Vial: 4
Acq On : 8-31-2022 08:53:03 AM Operator: kimb
Sample : bsd Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 12:02:06 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	615819300	1009.052	ppmv
2)	Acetylene	0.57	1234536442	917.826	ppmv
3)	Ethylene	0.77	1074824392	987.945	ppmv
4)	Ethane	1.00	1101539733	984.493	ppmv
5)	Propane	3.24	1435614605	968.279	ppmv

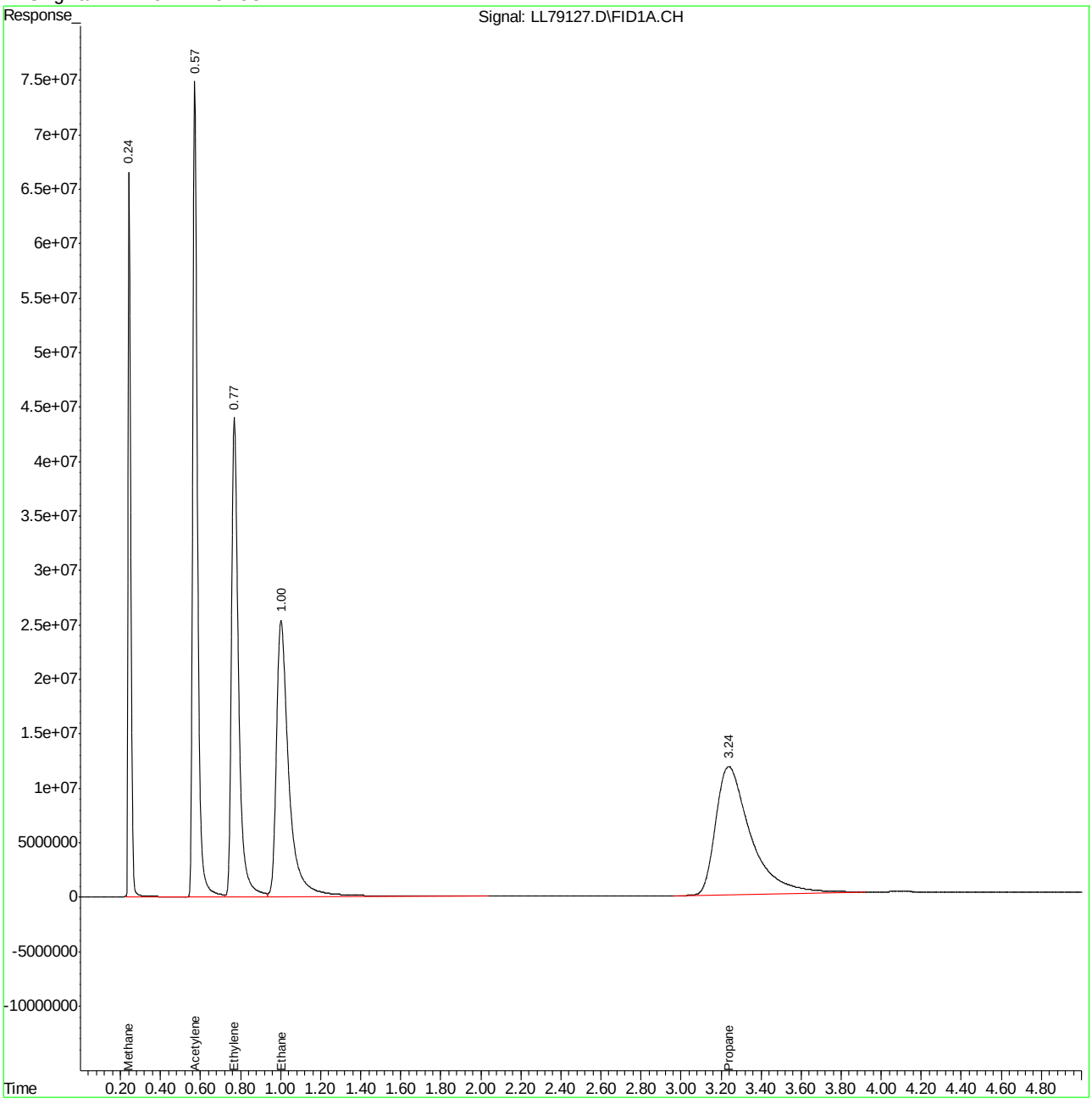
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LL79127.D RSK122321B.M Wed Aug 31 12:40:33 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79127.D Vial: 4
Acq On : 8-31-2022 08:53:03 AM Operator: kimb
Sample : bsd Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 12:02 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	GLL2748-BSD	**Sample Volume:**	38.0 ml
Lab FileID:	LL79127.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 08:53	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	1009.05	37600	112	ug/l
Ethane	74-84-0	30	984.49	26300	224	ug/l
Ethene	74-85-1	28	987.94	10200	302	ug/l
Acetylene	74-86-2	26	917.83	11940	242	ug/l
Propane	74-98-6	44	968.28	31474	308	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79111.D Vial: 28
Acq On : 8-30-2022 04:38:21 PM Operator: kimb
Sample : fa98431-6ms, 10x Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,10 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:38 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	2858976684	4684.581	ppmv
2)	Acetylene	0.57	1339820224	996.100	ppmv
3)	Ethylene	0.77	1084994670	997.293	ppmv
4)	Ethane	1.00	1108231013	990.473	ppmv
5)	Propane	3.24	1473423616	993.780	ppmv

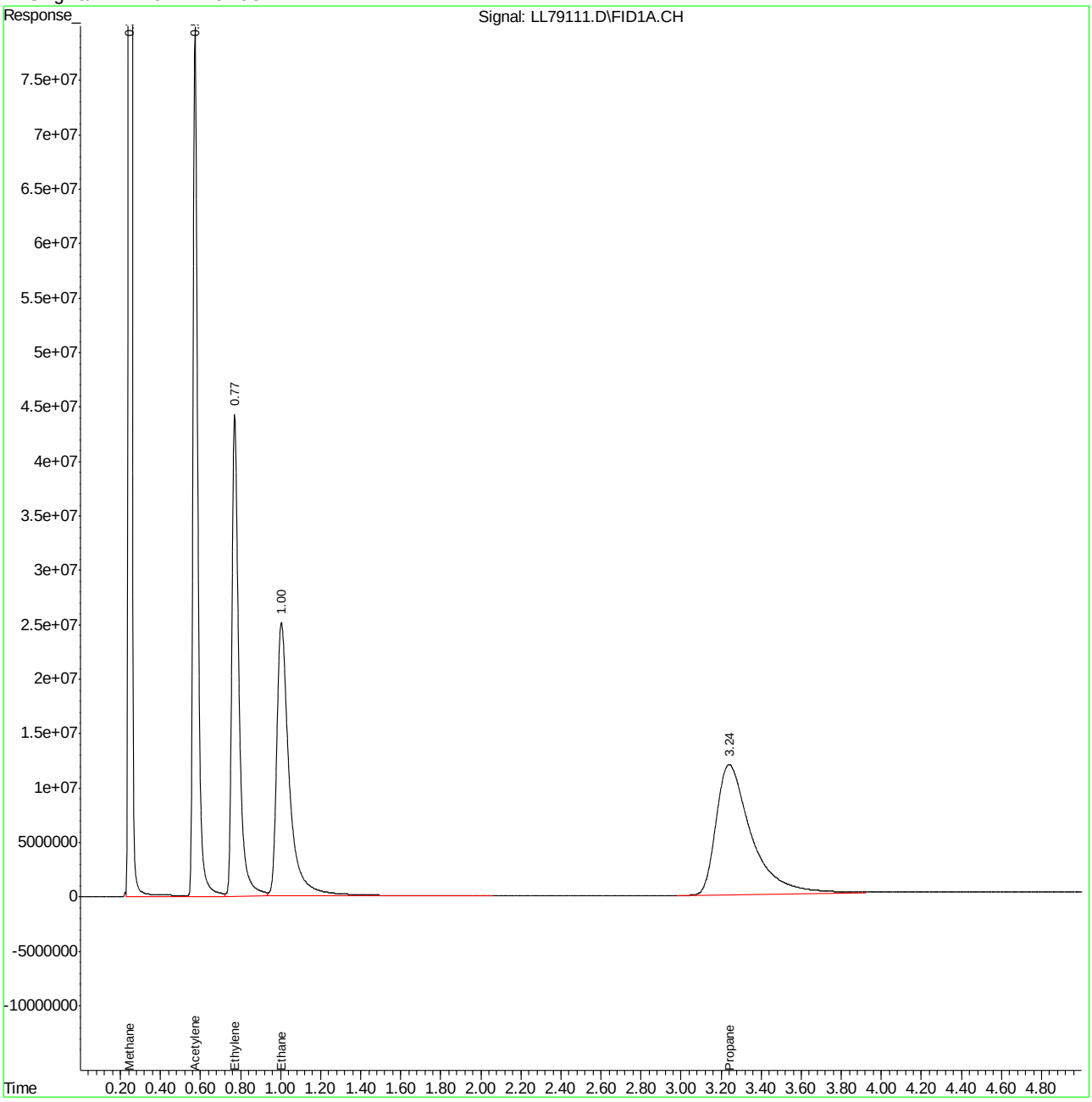
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LL79111.D RSK122321B.M Wed Aug 31 10:50:33 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79111.D Vial: 28
Acq On : 8-30-2022 04:38:21 PM Operator: kimb
Sample : fa98431-6ms, 10x Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,10 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 8:54 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98431-6MS	**Sample Volume:**	38.0 ml
Lab FileID:	LL79111.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 16:38	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	4684.58	37600	5210	ug/l
Ethane	74-84-0	30	990.47	26300	2250	ug/l
Ethene	74-85-1	28	997.29	10200	3050	ug/l
Acetylene	74-86-2	26	996.1	11940	2620	ug/l
Propane	74-98-6	44	993.78	31474	3160	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79142.D Vial: 19
Acq On : 8-31-2022 02:18:38 PM Operator: kimb
Sample : fa98485-2ms Inst : FID4-LL
Misc : gc23882,gll2748,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 14:30:05 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	2038358867	3339.956	ppmv
2)	Acetylene	0.57	1219963050	906.992	ppmv
3)	Ethylene	0.77	1078530324	991.351	ppmv
4)	Ethane	1.00	1104407430	987.056	ppmv
5)	Propane	3.24	1463945987	987.387	ppmv

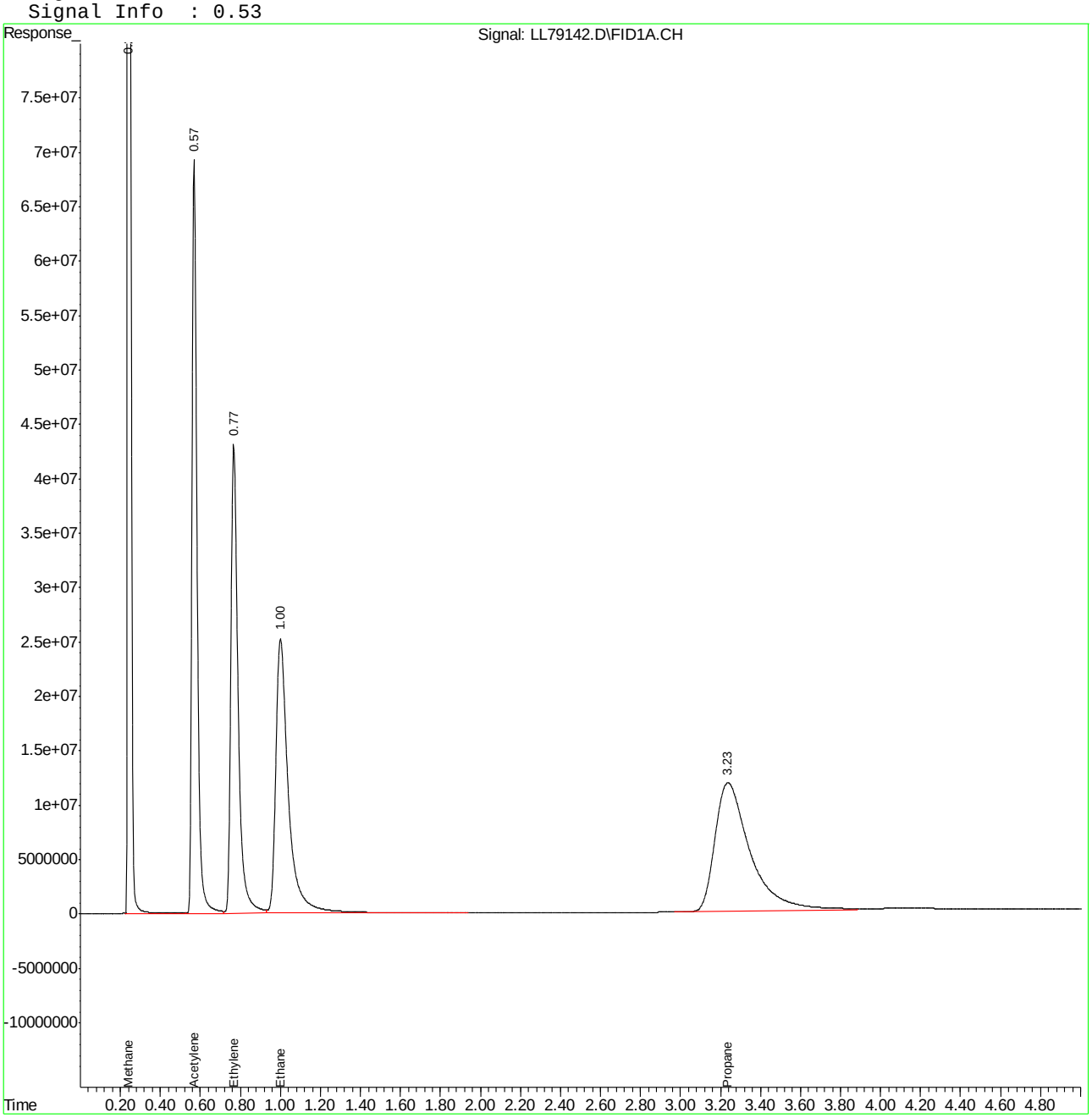
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LL79142.D RSK122321B.M Wed Aug 31 15:45:48 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79142.D Vial: 19
Acq On : 8-31-2022 02:18:38 PM Operator: kimb
Sample : fa98485-2ms Inst : FID4-LL
Misc : gc23882,gll2748,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 14:30 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98485-2MS	**Sample Volume:**	38.0 ml
Lab FileID:	LL79142.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 14:18	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	3339.96	37600	371	ug/l
Ethane	74-84-0	30	987.06	26300	225	ug/l
Ethene	74-85-1	28	991.35	10200	303	ug/l
Acetylene	74-86-2	26	906.99	11940	239	ug/l
Propane	74-98-6	44	987.39	31474	314	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79110.D Vial: 27
Acq On : 8-30-2022 04:27:08 PM Operator: kimb
Sample : fa98431-6dup, 10x Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,10 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:37 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
	Target Compounds					
1)	Methane	0.24	2427444261	3977.493	ppmv	
2)	Acetylene	0.00	0	N.D.	ppmv	
3)	Ethylene	0.00	0	N.D.	ppmv	d
4)	Ethane	0.00	0	N.D.	ppmv	d
5)	Propane	0.00	0	N.D.	ppmv	

9.5.1

9

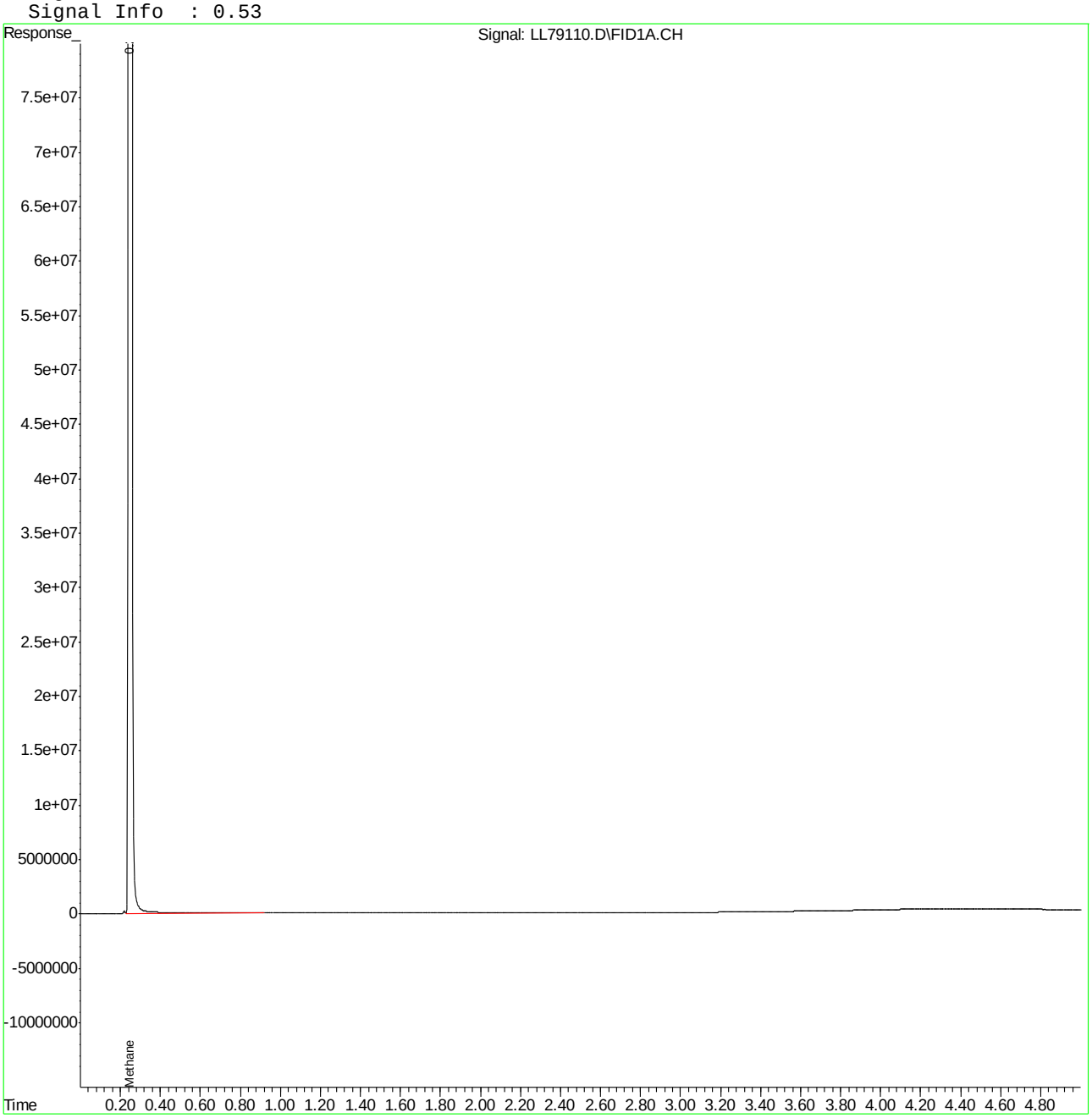
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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79110.D Vial: 27
Acq On : 8-30-2022 04:27:08 PM Operator: kimb
Sample : fa98431-6dup, 10x Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,10 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:37 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Dissolved Gases Raw Data Summary

Sample Number:	FA98431-6DUP	**Sample Volume:**	38.0 ml
Lab FileID:	LL79110.D	**Headspace:**	5.0 ml
Injection Time:	08/30/22 16:27	**Volume Injected:**	500 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	3977.49	37600	4420	ug/l
Ethane	74-84-0	30	0	26300	0.0	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	0	31474	0.0	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 09/01/22 17:30

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79141.D Vial: 18
Acq On : 8-31-2022 01:26:01 PM Operator: kimb
Sample : fa98485-1dup, 2x Inst : FID4-LL
Misc : gc23882,gll2748,38,20,250,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 14:20:09 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
	Target Compounds					
1)	Methane	0.24	2953391132	4839.284	ppmv	
2)	Acetylene	0.00	0	N.D.	ppmv	d
3)	Ethylene	0.00	0	N.D.	ppmv	d
4)	Ethane	1.01	3890654	3.477	ppmv	m
5)	Propane	3.26	24997826	16.860	ppmv	m

9.5.2
9

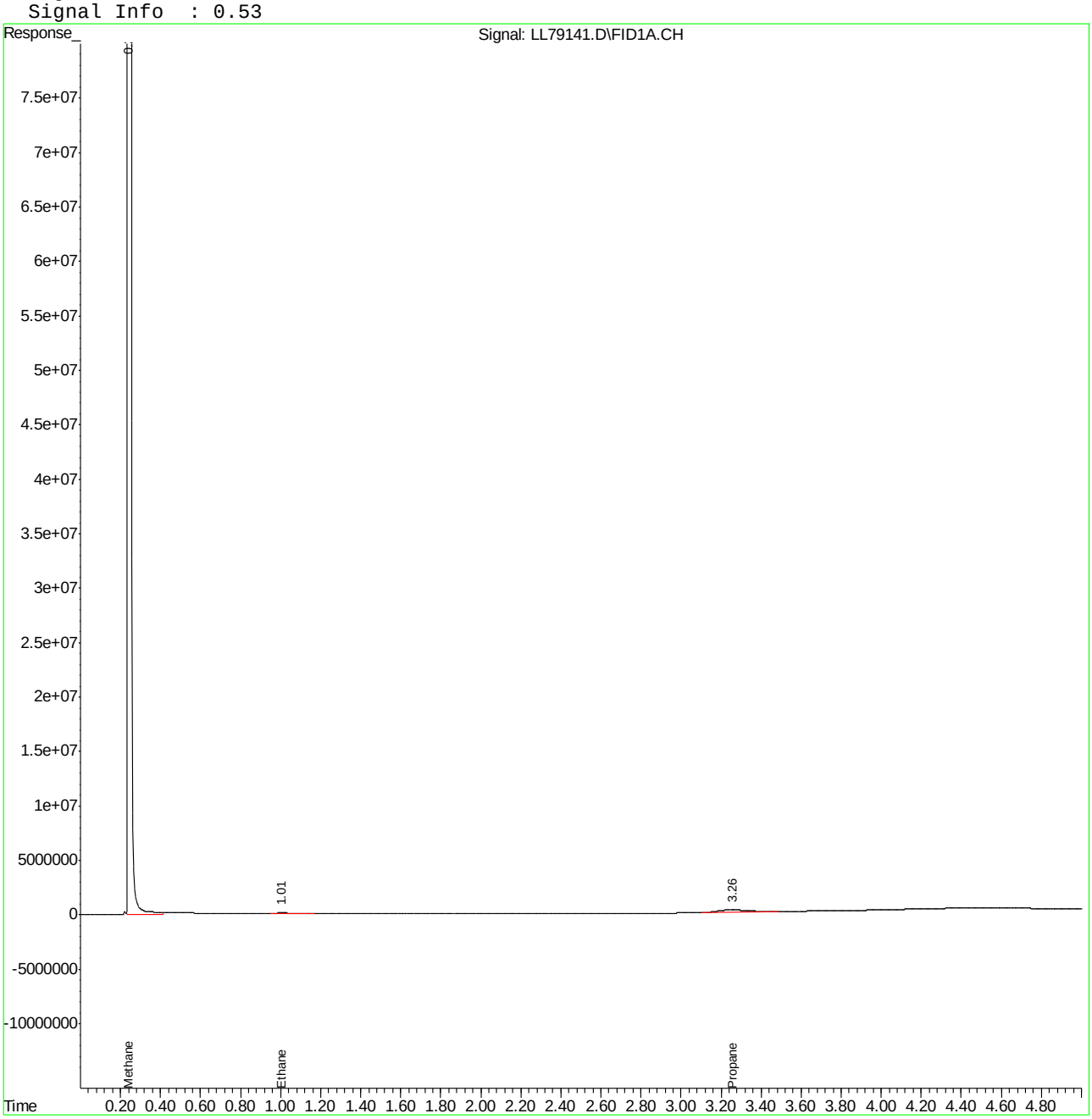
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LL79141.D RSK122321B.M Wed Aug 31 15:45:47 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79141.D Vial: 18
Acq On : 8-31-2022 01:26:01 PM Operator: kimb
Sample : fa98485-1dup, 2x Inst : FID4-LL
Misc : gc23882,gll2748,38,20,250,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 14:22 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: FA98485-1DUP
Lab FileID: LL79141.D
Injection Time: 08/31/22 13:26
Method: RSKSOP-147/175
Analyst approved: 08/31/22 15:05 Kim Benham
Supervisor approved: 09/01/22 17:30 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethane	74-84-0	1	1.01	Poor instrument integration
Propane	74-98-6	1	3.26	Poor instrument integration

Dissolved Gases Raw Data Summary

Sample Number:	FA98485-1DUP	**Sample Volume:**	38.0 ml
Lab FileID:	LL79141.D	**Headspace:**	5.0 ml
Injection Time:	08/31/22 13:26	**Volume Injected:**	250 ul
Method:	RSKSOP-147/175	**Temperature:**	20 Deg. C

Parameter	CAS	MW	Result (ppmv)	Henry's Constant	Total	Units
Methane	74-82-8	16	4839.28	37600	1080	ug/l
Ethane	74-84-0	30	3.48	26300	1.6	ug/l
Ethene	74-85-1	28	0	10200	0.0	ug/l
Acetylene	74-86-2	26	0	11940	0.0	ug/l
Propane	74-98-6	44	16.86	31474	10.7	ug/l

Henry's Constants	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43360	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Acetylene	11940	12200	12470	12730	13000	13260	13530	13800	14060	14330	14600
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Manual Integrations APPROVED
(compounds with "m" flag)
Chelsea VanDenBurg
01/06/22 18:05

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\122321\LL77115.D Vial: 7
Acq On : 23 Dec 2021 11:44 am Operator: trangd
Sample : IC2678-1 Inst : FID4-LL
Misc : gc23581,gll2678,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 23 15:27:37 2021 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Thu Dec 16 14:24:26 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc Units
	Target Compounds			
1)	Methane	0.25	1222064	2.351 ppmv m
2)	Acetylene	0.58	1314517	1.290 ppmv
3)	Ethylene	0.78	1209561	1.131 ppmv
4)	Ethane	1.02	1345578	1.229 ppmv
5)	Propane	3.32	2438213	1.652 ppmv m

9.6.1

9

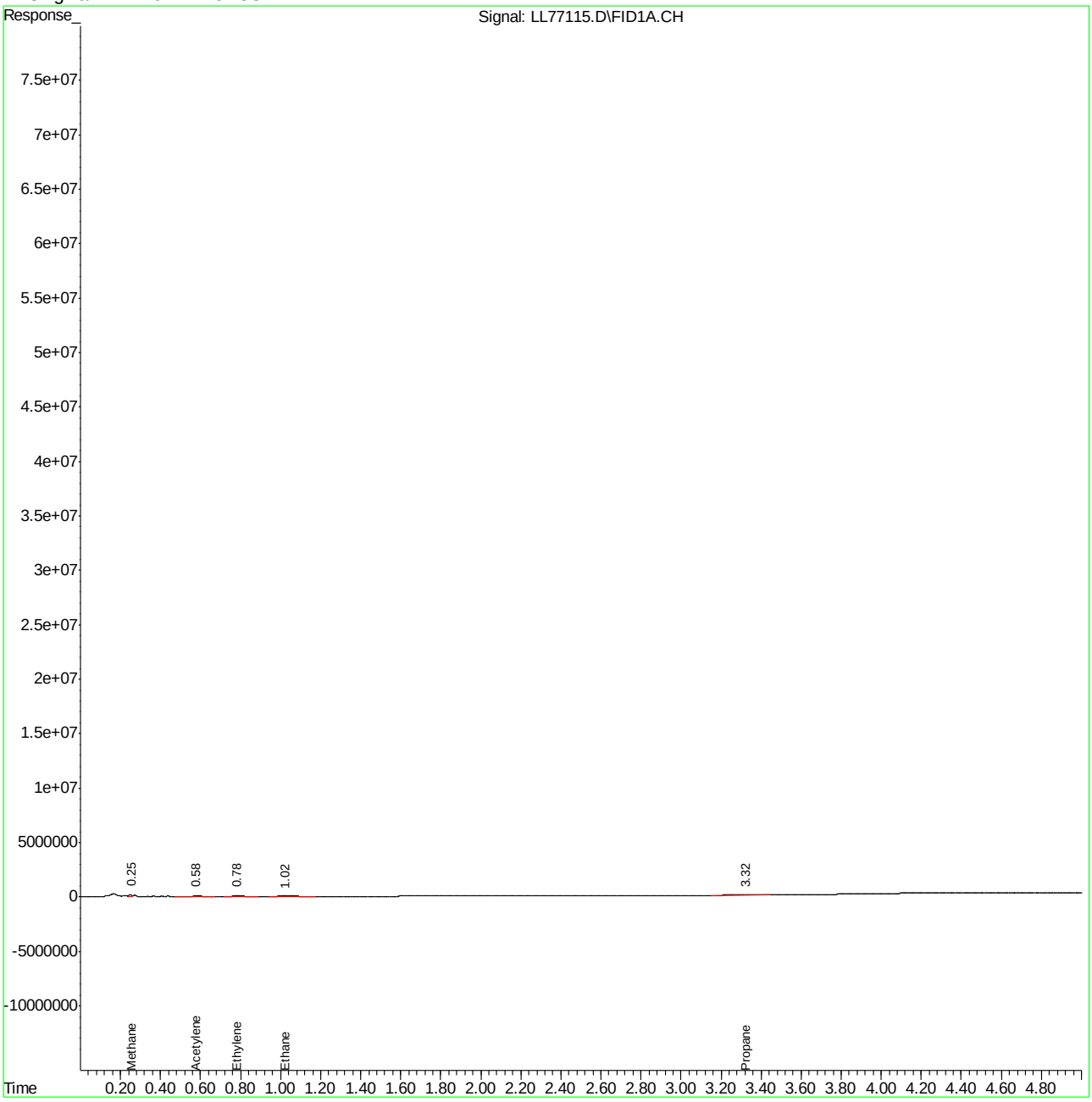
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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\122321\LL77115.D Vial: 7
Acq On : 23 Dec 2021 11:44 am Operator: trangd
Sample : IC2678-1 Inst : FID4-LL
Misc : gc23581,gll2678,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 23 15:33 2021 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Thu Dec 16 14:24:26 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: GLL2678-IC2678
Lab FileID: LL77115.D
Injection Time: 12/23/21 11:44
Method: RSKSOP-147/175
Analyst approved: 12/28/21 15:10 Trang Diep
Supervisor approved: 01/06/22 18:05 Chelsea VanDenBurg

Parameter	CAS	Sig#	R.T. (min.)	Reason
Methane	74-82-8	1	0.25	Poor instrument integration
Propane	74-98-6	1	3.32	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 01/06/22 18:05

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\122321\LL77116.D Vial: 8
Acq On : 23 Dec 2021 11:53 am Operator: trangd
Sample : IC2678-2 Inst : FID4-LL
Misc : gc23581,gll2678,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 23 15:27:38 2021 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Thu Dec 16 14:24:26 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc Units
	Target Compounds			
1)	Methane	0.25	11676132	22.458 ppmv
2)	Acetylene	0.58	17192128	16.867 ppmv
3)	Ethylene	0.78	14889046	13.923 ppmv
4)	Ethane	1.02	15188973	13.873 ppmv
5)	Propane	3.29	31221296	21.155 ppmv m

9.6.2
9

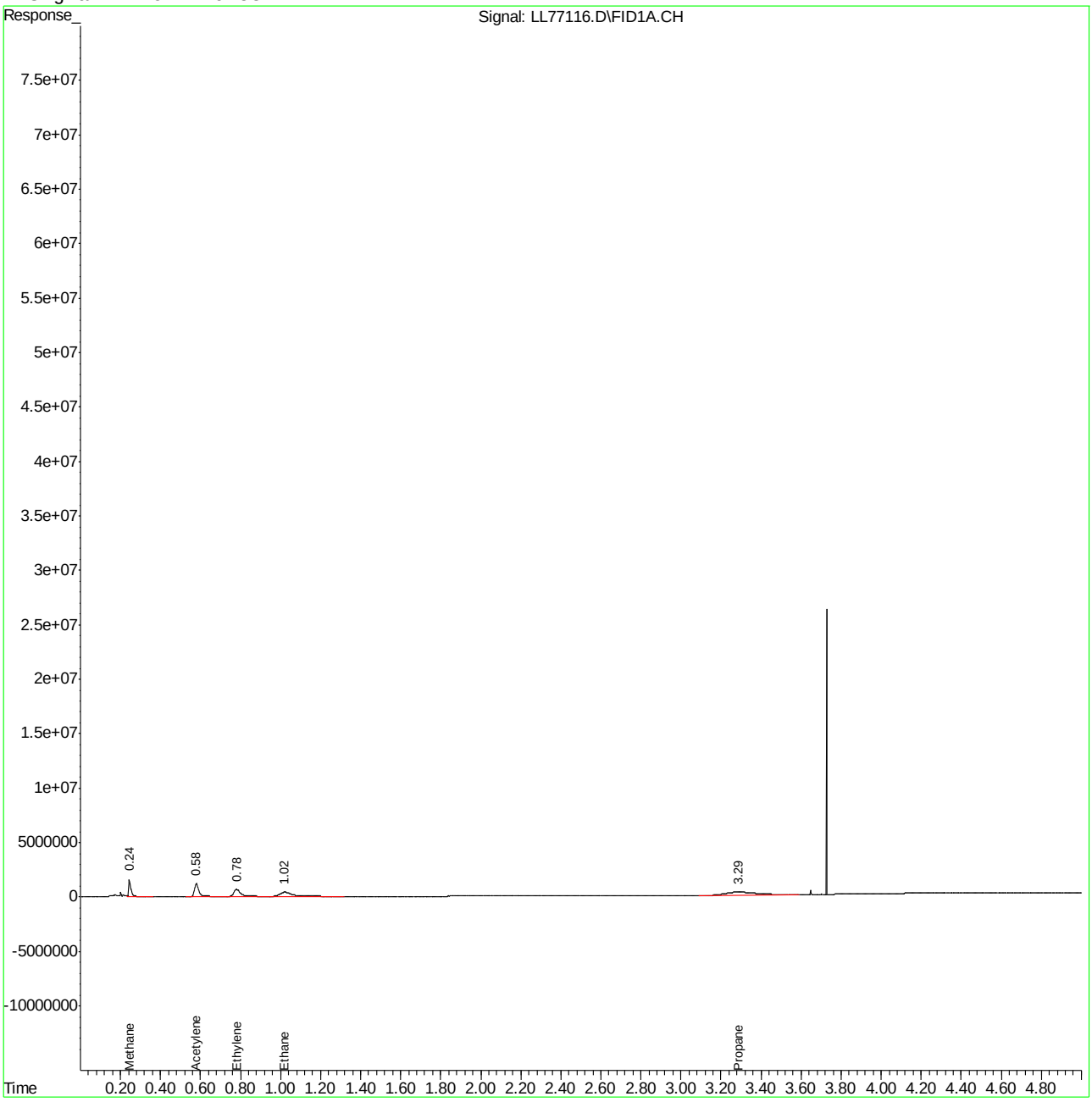
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\122321\LL77116.D Vial: 8
Acq On : 23 Dec 2021 11:53 am Operator: trangd
Sample : IC2678-2 Inst : FID4-LL
Misc : gc23581,gll2678,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 23 15:34 2021 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Thu Dec 16 14:24:26 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: GLL2678-IC2678
Lab FileID: LL77116.D
Injection Time: 12/23/21 11:53
Method: RSKSOP-147/175
Analyst approved: 12/28/21 15:10 Trang Diep
Supervisor approved: 01/06/22 18:05 Chelsea VanDenBurg

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	3.29	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 01/06/22 18:05

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\122321\LL77117.D Vial: 9
Acq On : 23 Dec 2021 12:43 pm Operator: trangd
Sample : IC2678-3 Inst : FID4-LL
Misc : gc23581,gll2678,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 23 15:27:39 2021 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Thu Dec 16 14:24:26 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.25	57068216	109.623	ppmv
2)	Acetylene	0.58	105203176	102.861	ppmv
3)	Ethylene	0.78	97229155	90.919	ppmv
4)	Ethane	1.02	97815788	89.344	ppmv
5)	Propane	3.28	120041232	81.337	ppmv m

9.6.3

9

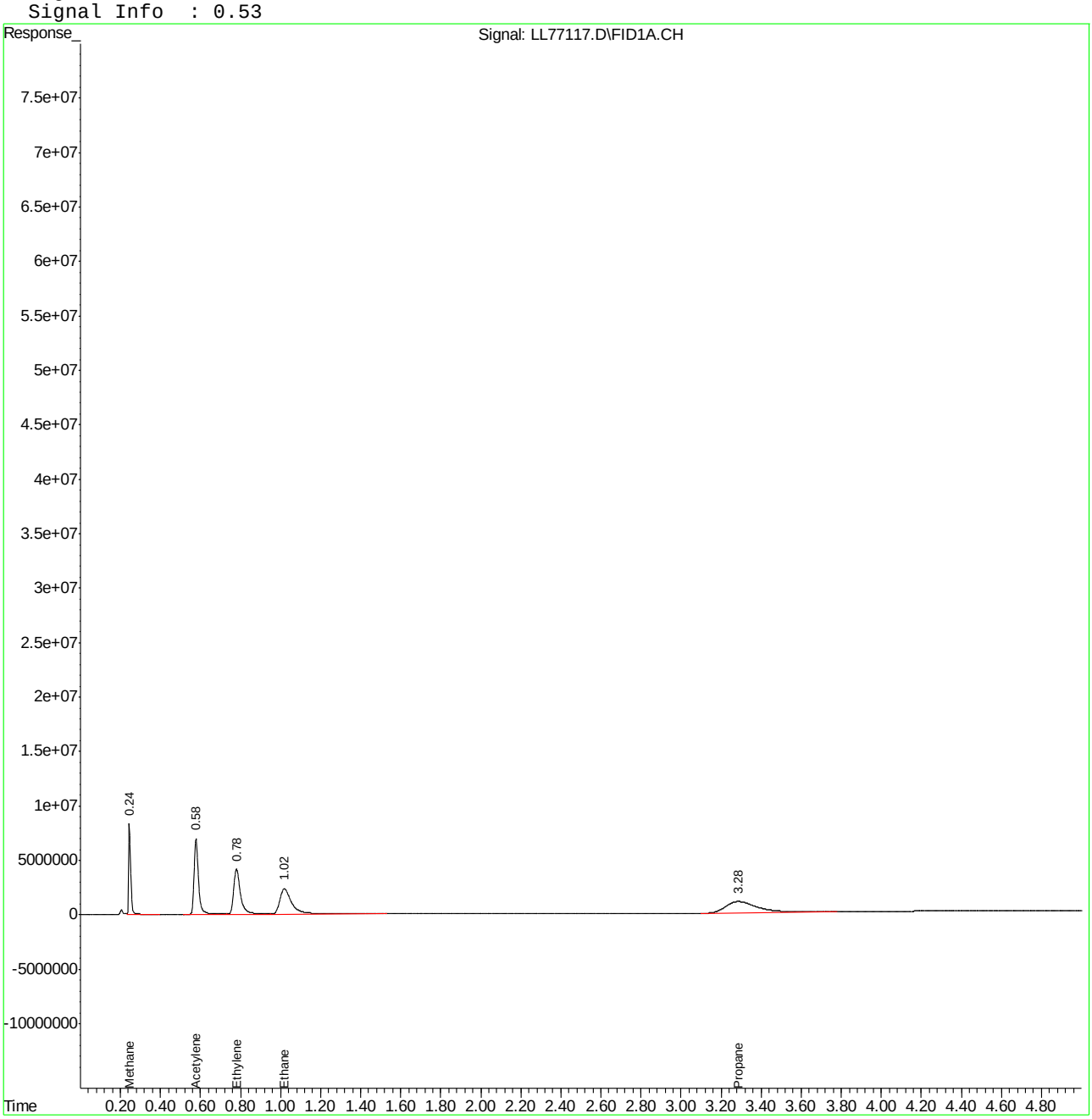
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\122321\LL77117.D Vial: 9
Acq On : 23 Dec 2021 12:43 pm Operator: trangd
Sample : IC2678-3 Inst : FID4-LL
Misc : gc23581,gll2678,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 23 15:34 2021 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Thu Dec 16 14:24:26 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: GLL2678-IC2678
Lab FileID: LL77117.D
Injection Time: 12/23/21 12:43
Method: RSKSOP-147/175
Analyst approved: 12/28/21 15:10 Trang Diep
Supervisor approved: 01/06/22 18:05 Chelsea VanDenBurg

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	3.28	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 01/06/22 18:05

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\122321\LL77118.D Vial: 10
Acq On : 23 Dec 2021 12:54 pm Operator: trangd
Sample : IC2678-4 Inst : FID4-LL
Misc : gc23581,gll2678,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 23 15:27:40 2021 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Thu Dec 16 14:24:26 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	313371378	597.545	ppmv
2)	Acetylene	0.58	628819108	602.808	ppmv
3)	Ethylene	0.78	552483232	516.628	ppmv
4)	Ethane	1.02	557176327	508.920	ppmv
5)	Propane	3.28	698198981	473.084	ppmv m

9.6.4

9

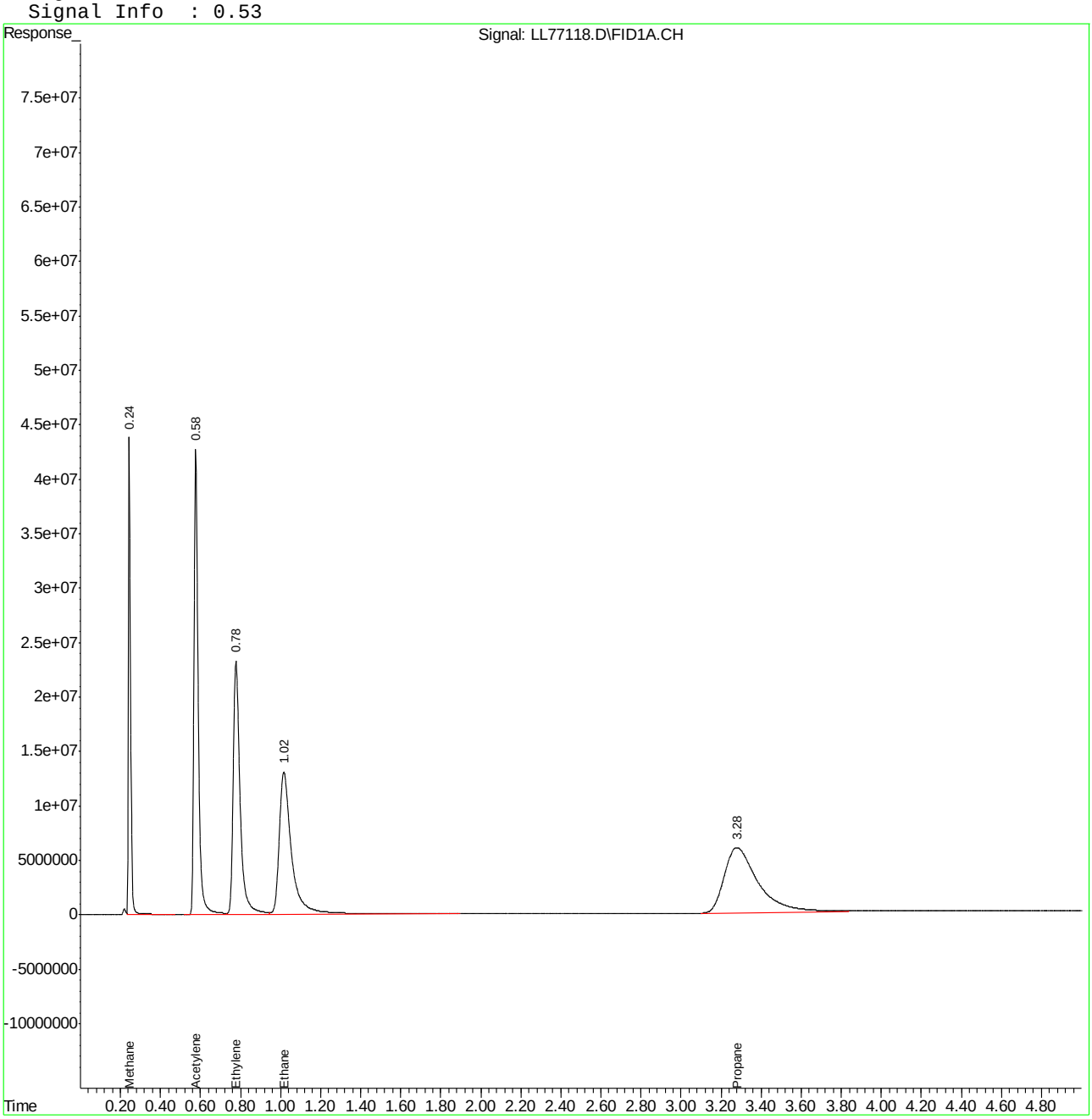
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\122321\LL77118.D Vial: 10
Acq On : 23 Dec 2021 12:54 pm Operator: trangd
Sample : IC2678-4 Inst : FID4-LL
Misc : gc23581,gll2678,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 23 15:34 2021 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Thu Dec 16 14:24:26 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: GLL2678-IC2678
Lab FileID: LL77118.D
Injection Time: 12/23/21 12:54
Method: RSKSOP-147/175
Analyst approved: 12/28/21 15:10 Trang Diep
Supervisor approved: 01/06/22 18:05 Chelsea VanDenBurg

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	3.28	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 01/06/22 18:05

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\122321\LL77119.D Vial: 11
Acq On : 12-23-2021 01:01:40 PM Operator: trangd
Sample : ICC2678-5 Inst : FID4-LL
Misc : gc23581,gll2678,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 23 15:27:41 2021 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Thu Dec 16 14:24:26 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
	Target Compounds					
1)	Methane	0.25	622614864	1176.969	ppmv	
2)	Acetylene	0.58	1277889494	1197.217	ppmv	
3)	Ethylene	0.78	1114273972	1041.959	ppmv	
4)	Ethane	1.01	1119942427	1022.946	ppmv	
5)	Propane	3.27	1464950772	992.619	ppmv	m

9.6.5

9

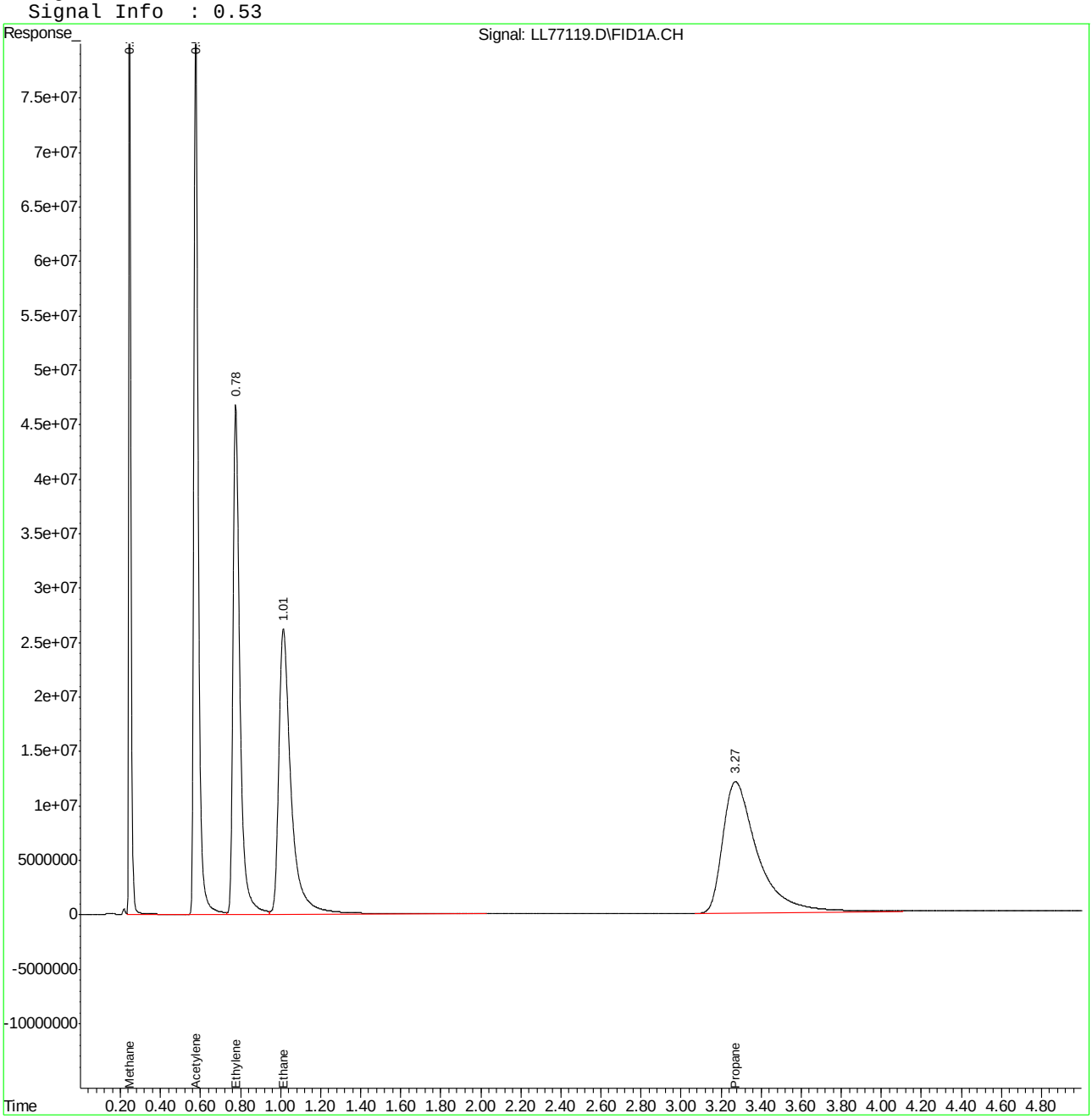
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\122321\LL77119.D Vial: 11
Acq On : 12-23-2021 01:01:40 PM Operator: trangd
Sample : ICC2678-5 Inst : FID4-LL
Misc : gc23581,gll2678,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 23 15:34 2021 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Thu Dec 16 14:24:26 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: GLL2678-ICC2678
Lab FileID: LL77119.D
Injection Time: 12/23/21 13:01
Method: RSKSOP-147/175
Analyst approved: 12/28/21 15:10 Trang Diep
Supervisor approved: 01/06/22 18:05 Chelsea VanDenBurg

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	3.27	Poor instrument integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\122321\LL77120.D Vial: 12
Acq On : 12-23-2021 02:24:22 PM Operator: trangd
Sample : IC2678-6 Inst : FID4-LL
Misc : gc23581,gll2678,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 23 15:27:42 2021 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Thu Dec 16 14:24:26 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	3127094366	5549.763	ppmv
2)	Acetylene	0.57	6334260778	5155.089	ppmv
3)	Ethylene	0.76	5440050642	5086.999	ppmv
4)	Ethane	0.99	5622997301	5135.999	ppmv
5)	Propane	3.23	7311594809	4954.177	ppmv

9.6.6

6

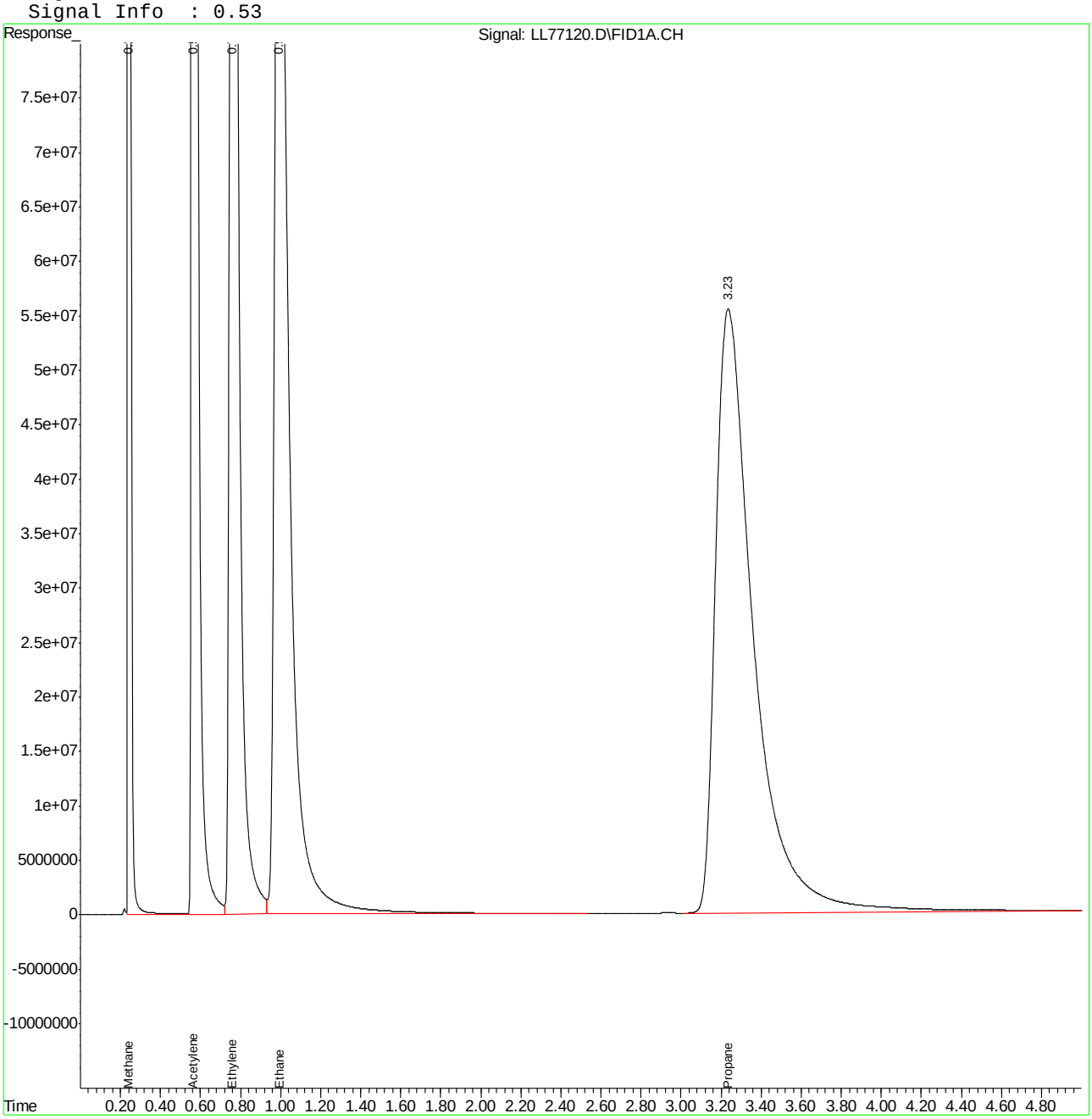
(f)=RT Delta > 1/2 Window (m)=manual int.
LL77120.D RSK122321B.M Thu Dec 30 10:08:18 2021 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\122321\LL77120.D Vial: 12
Acq On : 12-23-2021 02:24:22 PM Operator: trangd
Sample : IC2678-6 Inst : FID4-LL
Misc : gc23581,gll2678,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 23 15:27 2021 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Thu Dec 16 14:24:26 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\122321\LL77121.D Vial: 13
Acq On : 12-23-2021 02:39:43 PM Operator: trangd
Sample : IC2678-7 Inst : FID4-LL
Misc : gc23581,gll2678,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 23 15:27:43 2021 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Thu Dec 16 14:24:26 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc Units
	Target Compounds			
1)	Methane	0.24	6063533448	10115.185 ppmv
2)	Acetylene	0.56	13655387265	9666.436 ppmv
3)	Ethylene	0.74	10876284063	10170.428 ppmv
4)	Ethane	0.98	11174787274	10206.958 ppmv
5)	Propane	3.19	14881473513	10083.362 ppmv

9.6.7

6

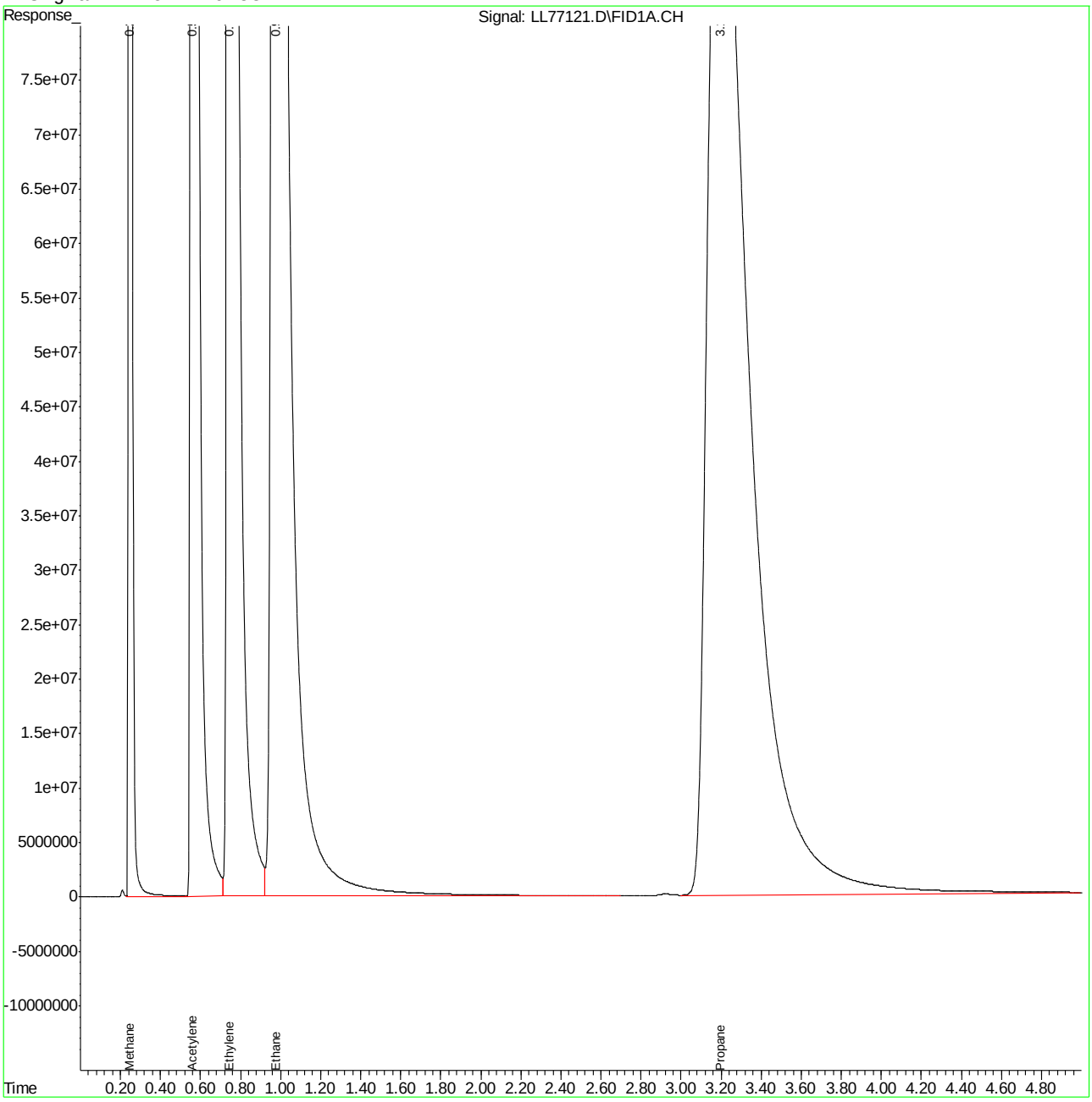
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\122321\LL77121.D Vial: 13
Acq On : 12-23-2021 02:39:43 PM Operator: trangd
Sample : IC2678-7 Inst : FID4-LL
Misc : gc23581,gll2678,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 23 15:27 2021 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Thu Dec 16 14:24:26 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integrations APPROVED
(compounds with "m" flag)
Chelsea VanDenBurg
01/06/22 18:05

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\122321\LL77123.D Vial: 15
Acq On : 12-23-2021 03:20:03 PM Operator: trangd
Sample : icv2678-5 Inst : FID4-LL
Misc : gc23581,gll2678,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 28 15:03:54 2021 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
	Target Compounds					
1)	Methane	0.25	624539960	1023.341	ppmv	
2)	Acetylene	0.58	1295434265	963.101	ppmv	
3)	Ethylene	0.78	1114848289	1024.733	ppmv	
4)	Ethane	1.02	1138078608	1017.149	ppmv	
5)	Propane	3.27	1567891284	1057.495	ppmv	m

9.6.8

9

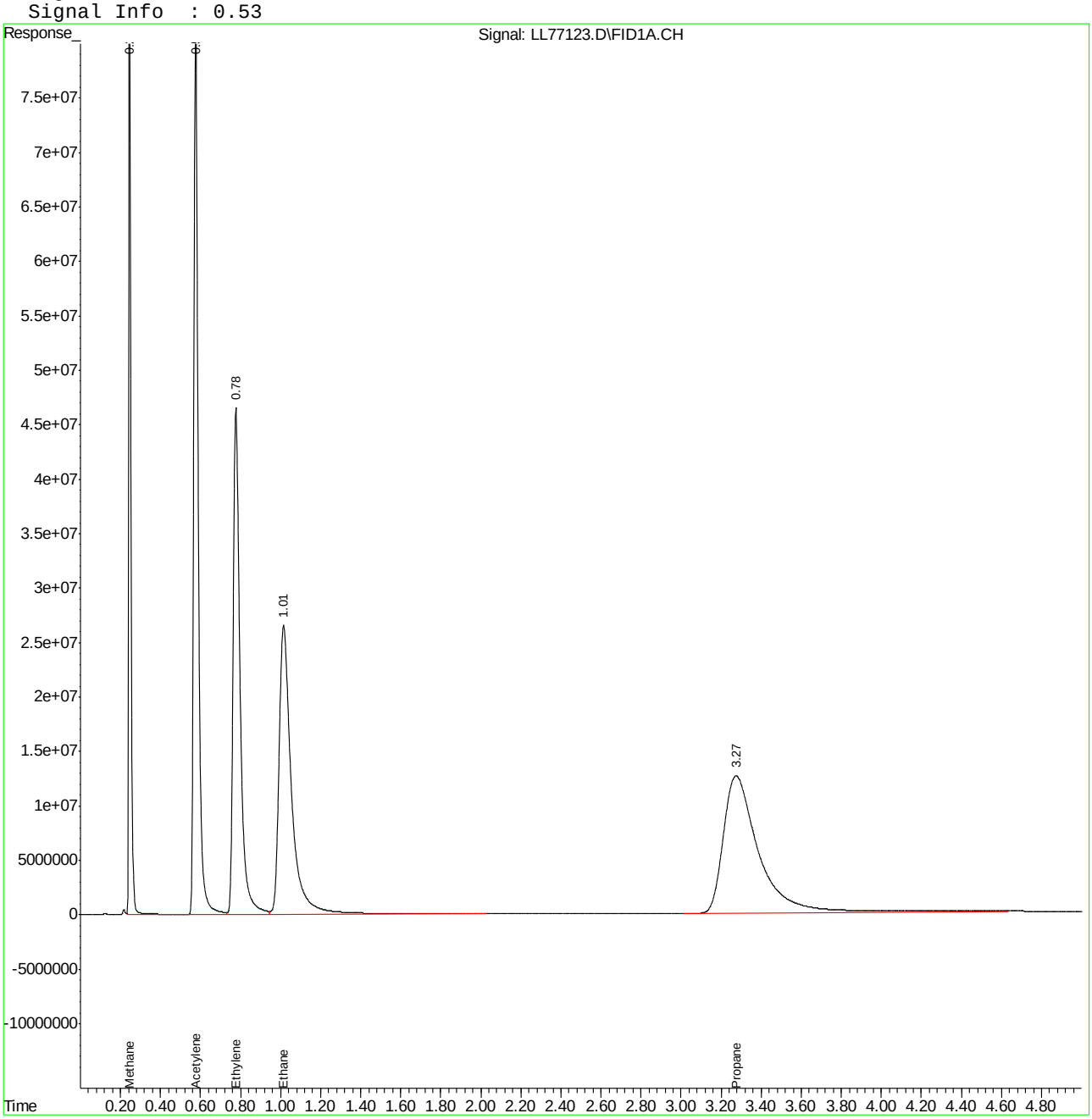
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\122321\LL77123.D Vial: 15
Acq On : 12-23-2021 03:20:03 PM Operator: trangd
Sample : icv2678-5 Inst : FID4-LL
Misc : gc23581,gll2678,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 28 15:04 2021 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: GLL2678-ICV2678
Lab FileID: LL77123.D
Injection Time: 12/23/21 15:20
Method: RSKSOP-147/175
Analyst approved: 12/30/21 10:10 Trang Diep
Supervisor approved: 01/06/22 18:05 Chelsea VanDenBurg

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	3.27	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 09/01/22 17:18

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79085.D Vial: 2
Acq On : 30 Aug 2022 10:24 am Operator: kimb
Sample : cc2678-5 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:14 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
	Target Compounds					
1)	Methane	0.24	630321757	1032.815	ppmv	
2)	Acetylene	0.57	1302786231	968.567	ppmv	
3)	Ethylene	0.77	1138316667	1046.305	ppmv	
4)	Ethane	1.00	1168918643	1044.712	ppmv	
5)	Propane	3.24	1518613329	1024.259	ppmv	m

9.6.9
6

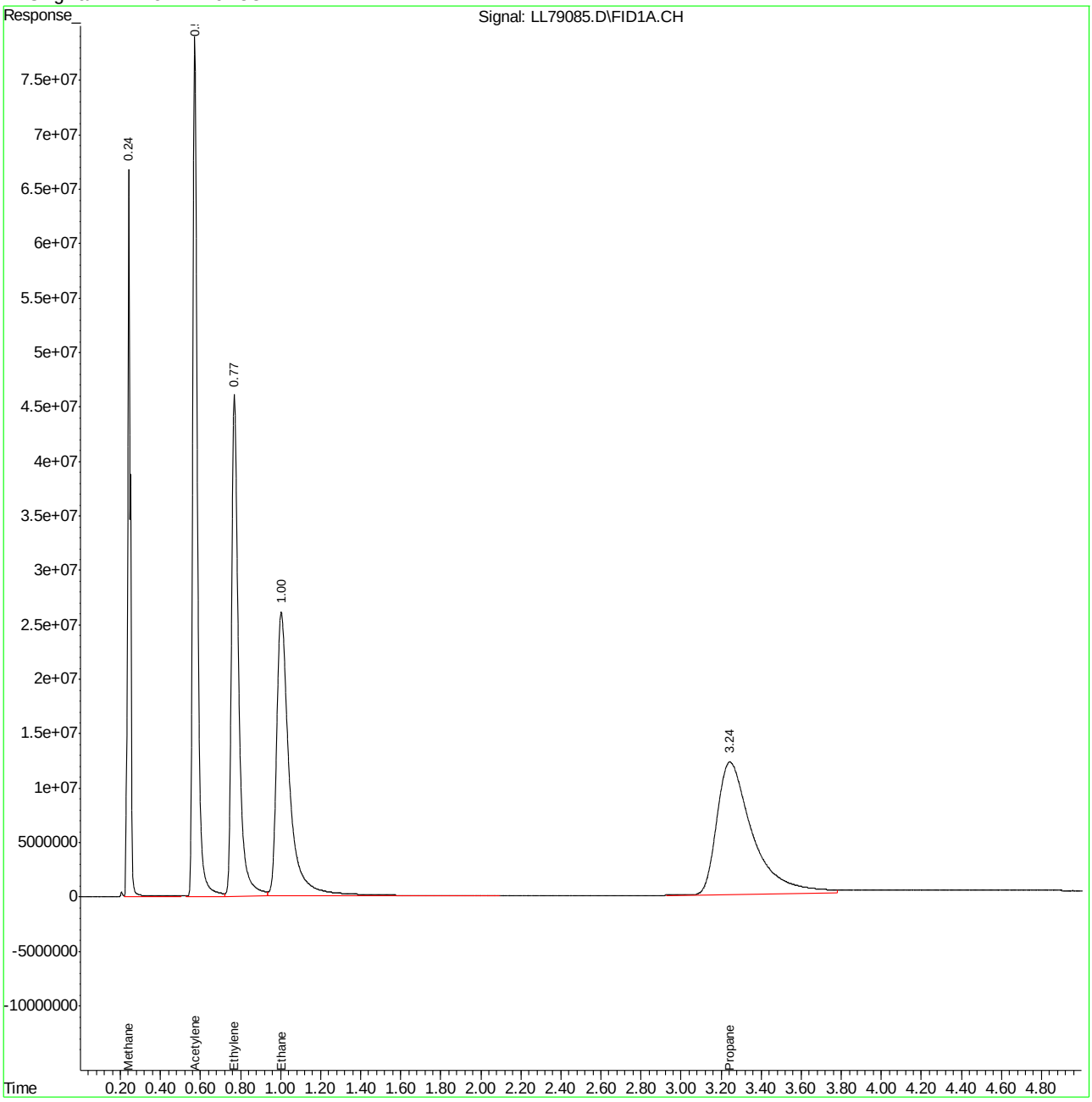
(f)=RT Delta > 1/2 Window (m)=manual int.
LL79085.D RSK122321B.M Wed Aug 31 10:50:09 2022 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79085.D Vial: 2
Acq On : 30 Aug 2022 10:24 am Operator: kimb
Sample : cc2678-5 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:23 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: GLL2747-CC2678
Lab FileID: LL79085.D
Injection Time: 08/30/22 10:24
Method: RSKSOP-147/175
Analyst approved: 08/31/22 15:04 Kim Benham
Supervisor approved: 09/01/22 17:18 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	3.24	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 09/01/22 17:18

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79096.D Vial: 13
Acq On : 30 Aug 2022 12:57 pm Operator: kimb
Sample : cc2678-4 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:23 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc Units
	Target Compounds			
1)	Methane	0.24	328811835	538.775 ppmv
2)	Acetylene	0.57	681458871	506.636 ppmv
3)	Ethylene	0.77	595920358	547.751 ppmv
4)	Ethane	1.01	608742309	544.059 ppmv
5)	Propane	3.25	789601043	532.562 ppmv m

9.6.10

6

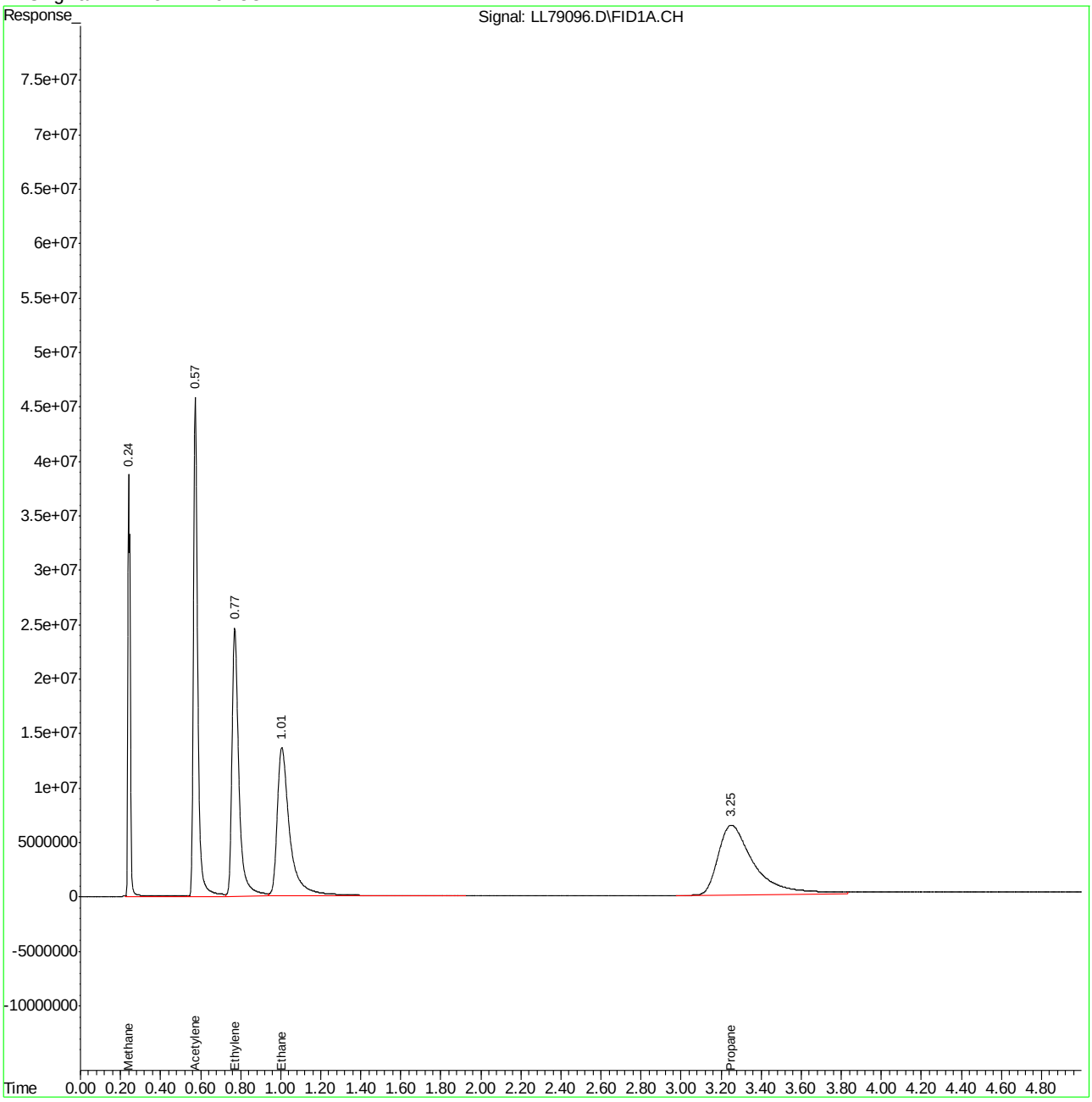
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79096.D Vial: 13
Acq On : 30 Aug 2022 12:57 pm Operator: kimb
Sample : cc2678-4 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:29 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: GLL2747-CC2678
Lab FileID: LL79096.D
Injection Time: 08/30/22 12:57
Method: RSKSOP-147/175
Analyst approved: 08/31/22 15:04 Kim Benham
Supervisor approved: 09/01/22 17:18 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	3.25	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 09/01/22 17:18

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79107.D Vial: 24
Acq On : 8-30-2022 03:58:14 PM Operator: kimb
Sample : cc2678-5 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:34 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
	Target Compounds					
1)	Methane	0.25	633137208	1037.428	ppmv	
2)	Acetylene	0.57	1320063318	981.412	ppmv	
3)	Ethylene	0.77	1145485076	1052.894	ppmv	
4)	Ethane	1.00	1160300146	1037.009	ppmv	
5)	Propane	3.24	1534661970	1035.083	ppmv	m

9.6.11
9

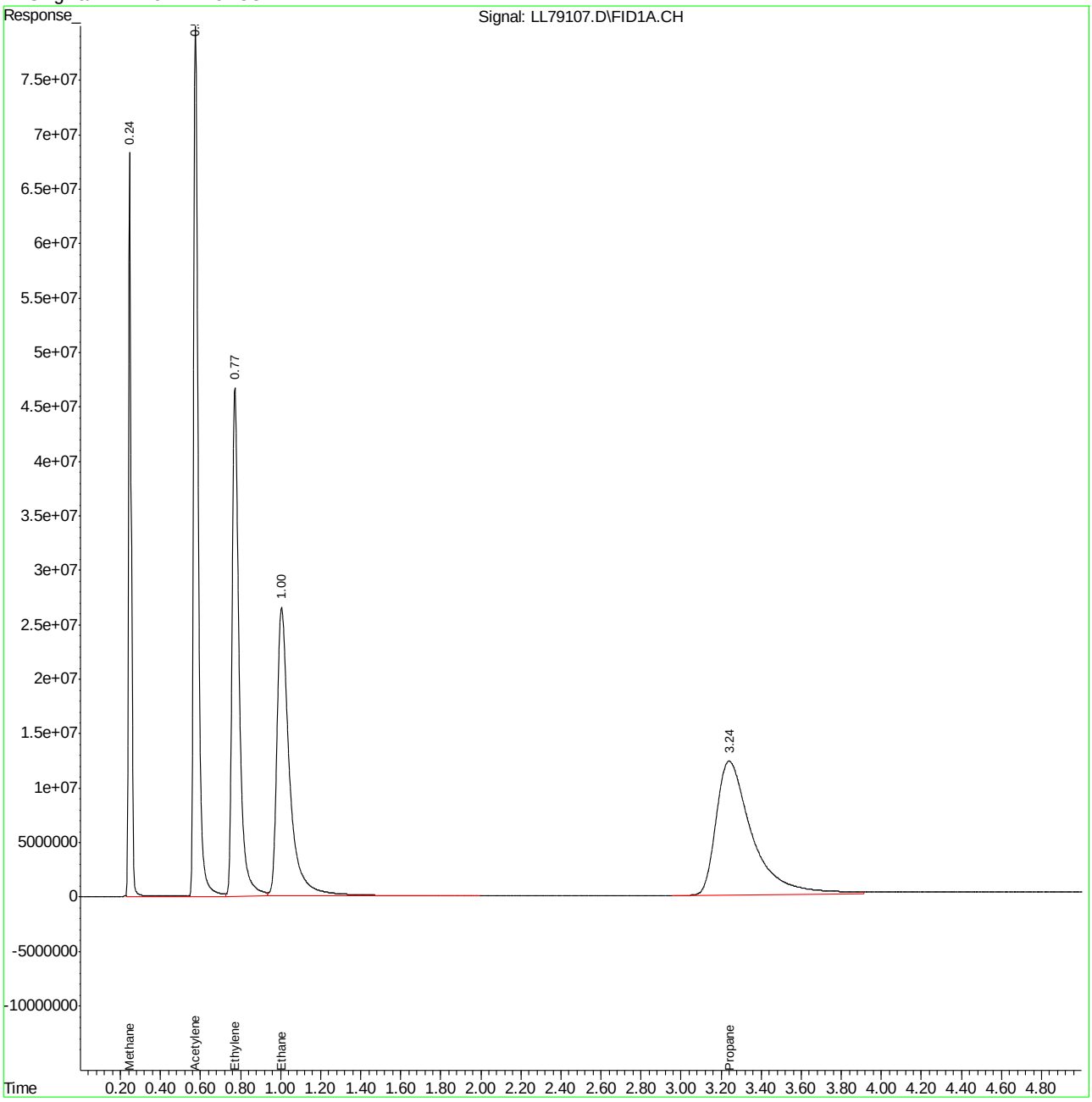
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79107.D Vial: 24
Acq On : 8-30-2022 03:58:14 PM Operator: kimb
Sample : cc2678-5 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:37 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: GLL2747-CC2678
Lab FileID: LL79107.D
Injection Time: 08/30/22 15:58
Method: RSKSOP-147/175
Analyst approved: 08/31/22 15:04 Kim Benham
Supervisor approved: 09/01/22 17:18 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	3.24	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 09/01/22 17:18

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79118.D Vial: 35
Acq On : 8-30-2022 05:53:24 PM Operator: kimb
Sample : cc2678-5 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:45 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)	Methane	0.24	623240189	1021.211	ppmv	
2)	Acetylene	0.57	1300937601	967.193	ppmv	
3)	Ethylene	0.77	1125111824	1034.167	ppmv	
4)	Ethane	1.00	1134735289	1014.161	ppmv	
5)	Propane	3.24	1505405090	1015.350	ppmv	m

9.6.12
9

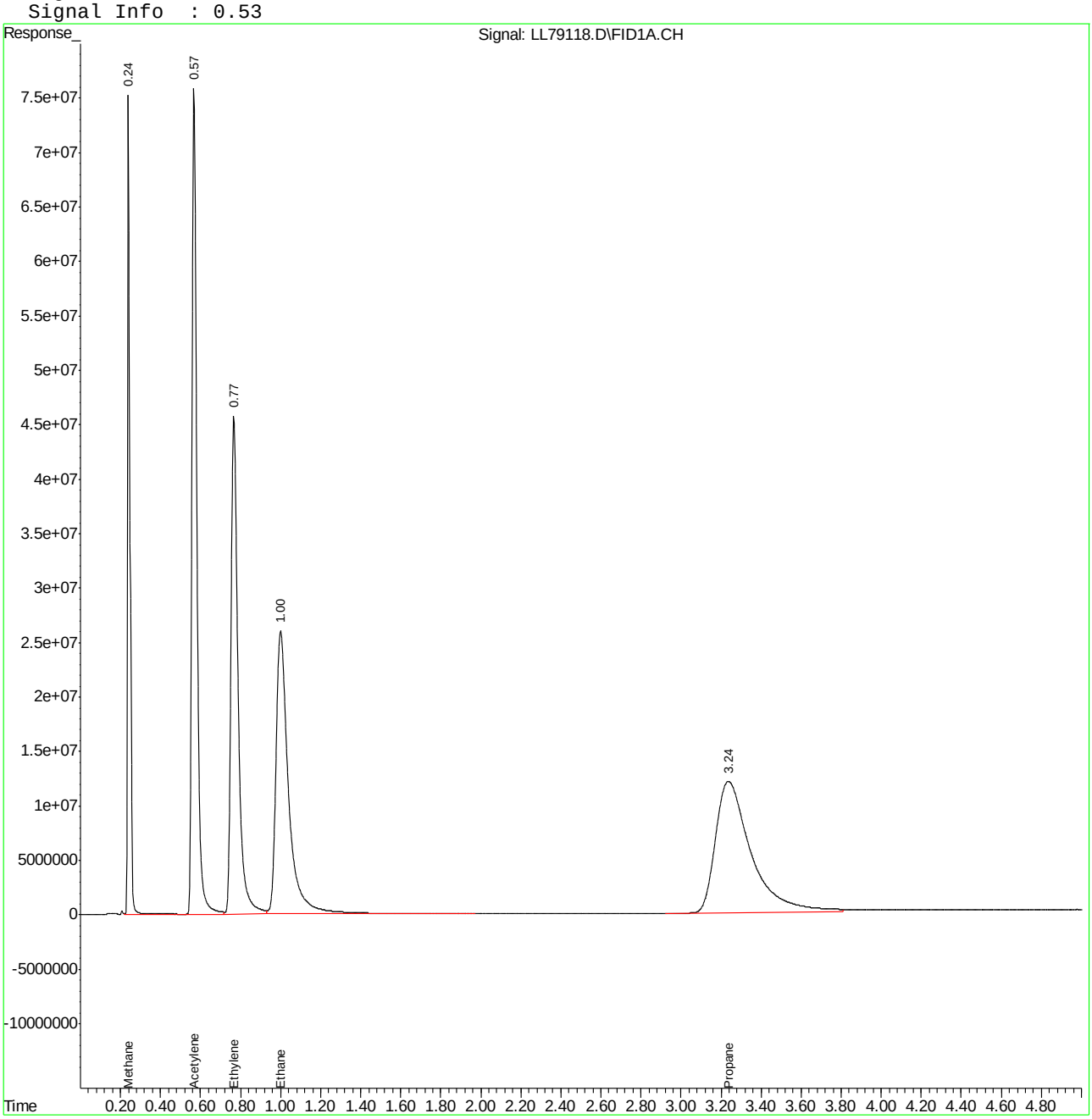
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79118.D Vial: 35
Acq On : 8-30-2022 05:53:24 PM Operator: kimb
Sample : cc2678-5 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:42 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: GLL2747-CC2678
Lab FileID: LL79118.D
Injection Time: 08/30/22 17:53
Method: RSKSOP-147/175
Analyst approved: 08/31/22 15:04 Kim Benham
Supervisor approved: 09/01/22 17:18 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	3.24	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 09/01/22 17:18

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79123.D Vial: 40
Acq On : 8-30-2022 06:38:59 PM Operator: kimb
Sample : ecc2678-5 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 08:54:50 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
	Target Compounds					
1)	Methane	0.24	622844085	1020.562	ppmv	
2)	Acetylene	0.57	1303261551	968.921	ppmv	
3)	Ethylene	0.77	1128253106	1037.054	ppmv	
4)	Ethane	1.00	1141083217	1019.834	ppmv	
5)	Propane	3.23	1491339984	1005.864	ppmv	m

9.6.13
9

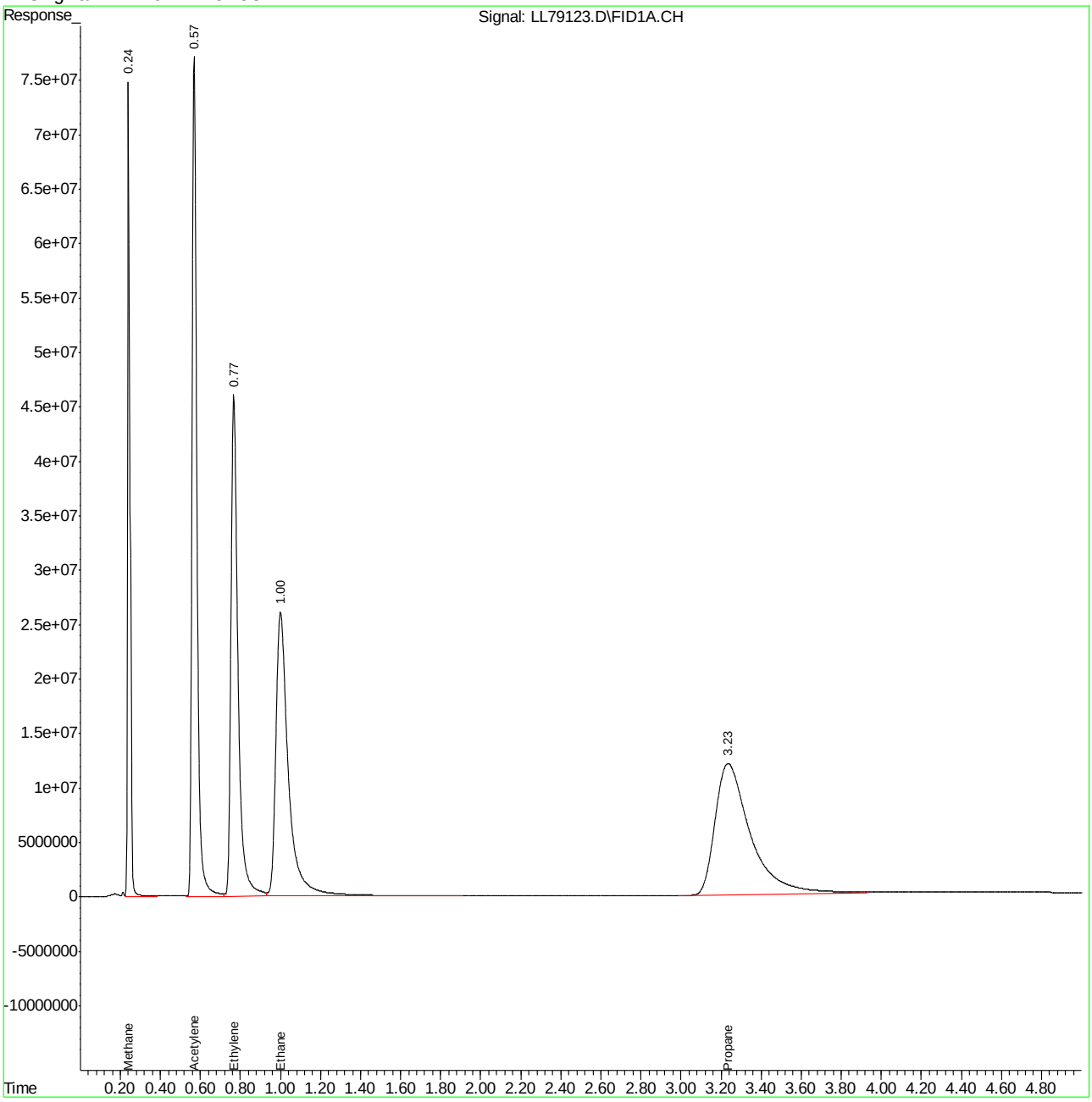
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083022\LL79123.D Vial: 40
Acq On : 8-30-2022 06:38:59 PM Operator: kimb
Sample : ecc2678-5 Inst : FID4-LL
Misc : gc23881,gll2747,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 10:45 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: GLL2747-ECC2678
Lab FileID: LL79123.D
Injection Time: 08/30/22 18:38
Method: RSKSOP-147/175
Analyst approved: 08/31/22 15:04 Kim Benham
Supervisor approved: 09/01/22 17:18 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	3.23	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 09/01/22 17:30

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79125.D Vial: 2
Acq On : 8-31-2022 08:21:22 AM Operator: kimb
Sample : cc2678-5 Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 12:02:04 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
	Target Compounds					
1)	Methane	0.24	611969889	1002.744	ppmv	
2)	Acetylene	0.57	1194680279	888.195	ppmv	
3)	Ethylene	0.77	1072812177	986.095	ppmv	
4)	Ethane	1.00	1101159536	984.153	ppmv	
5)	Propane	3.24	1393210410	939.678	ppmv	m

9.6.14
9

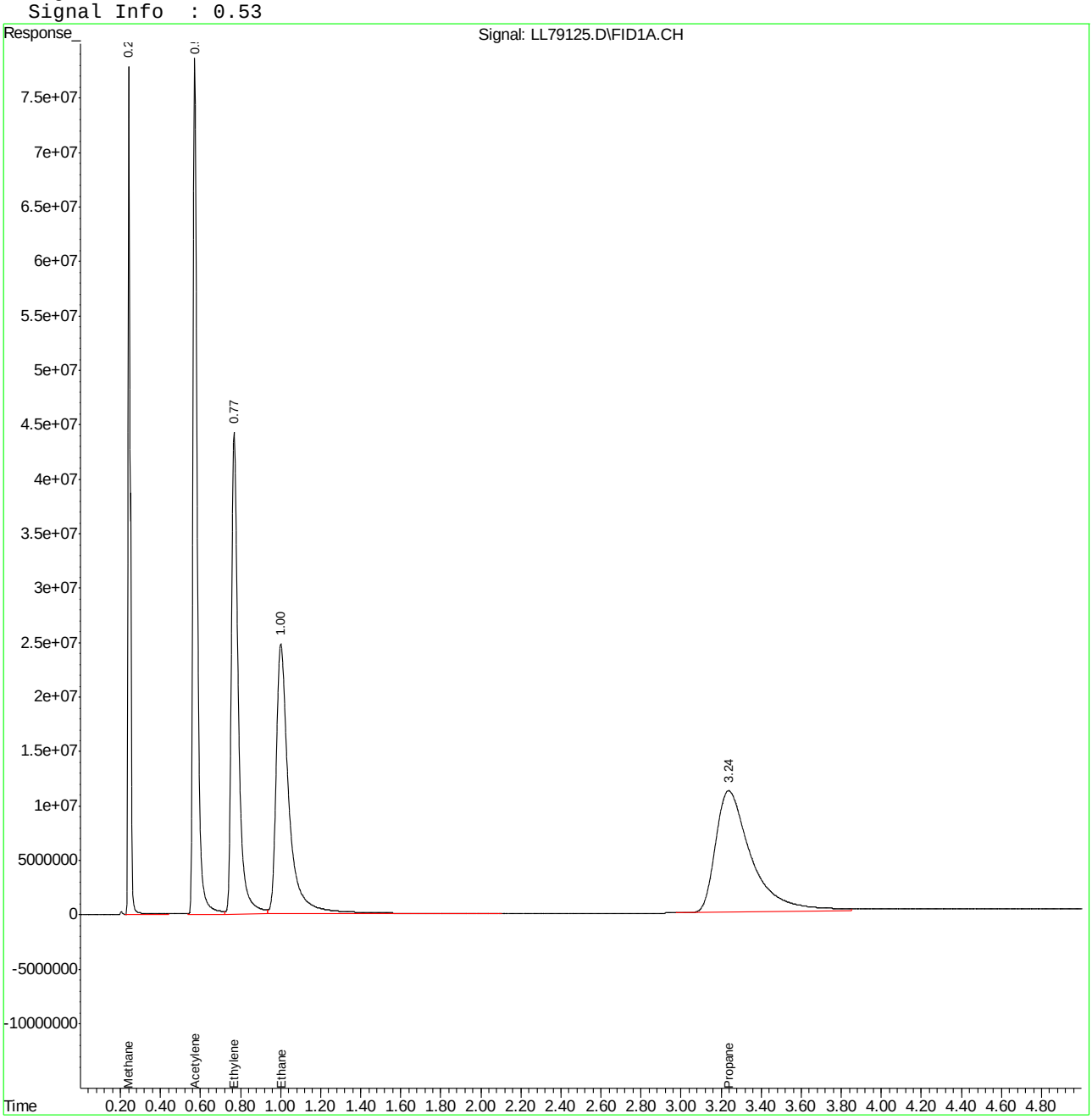
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79125.D Vial: 2
Acq On : 8-31-2022 08:21:22 AM Operator: kimb
Sample : cc2678-5 Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 12:02 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



Manual Integration Approval Summary

Sample Number: GLL2748-CC2678
Lab FileID: LL79125.D
Injection Time: 08/31/22 08:21
Method: RSKSOP-147/175
Analyst approved: 08/31/22 15:05 Kim Benham
Supervisor approved: 09/01/22 17:30 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	3.24	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 09/01/22 17:30

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79136.D Vial: 13
Acq On : 31 Aug 2022 12:32 pm Operator: kimb
Sample : cc2678-4 Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 12:38:23 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	0.24	328337293	537.998	ppmv
2)	Acetylene	0.57	658718709	489.730	ppmv
3)	Ethylene	0.77	583901568	536.704	ppmv
4)	Ethane	1.00	595147451	531.908	ppmv
5)	Propane	3.24	760327364	512.818	ppmv m

9.6.15

6

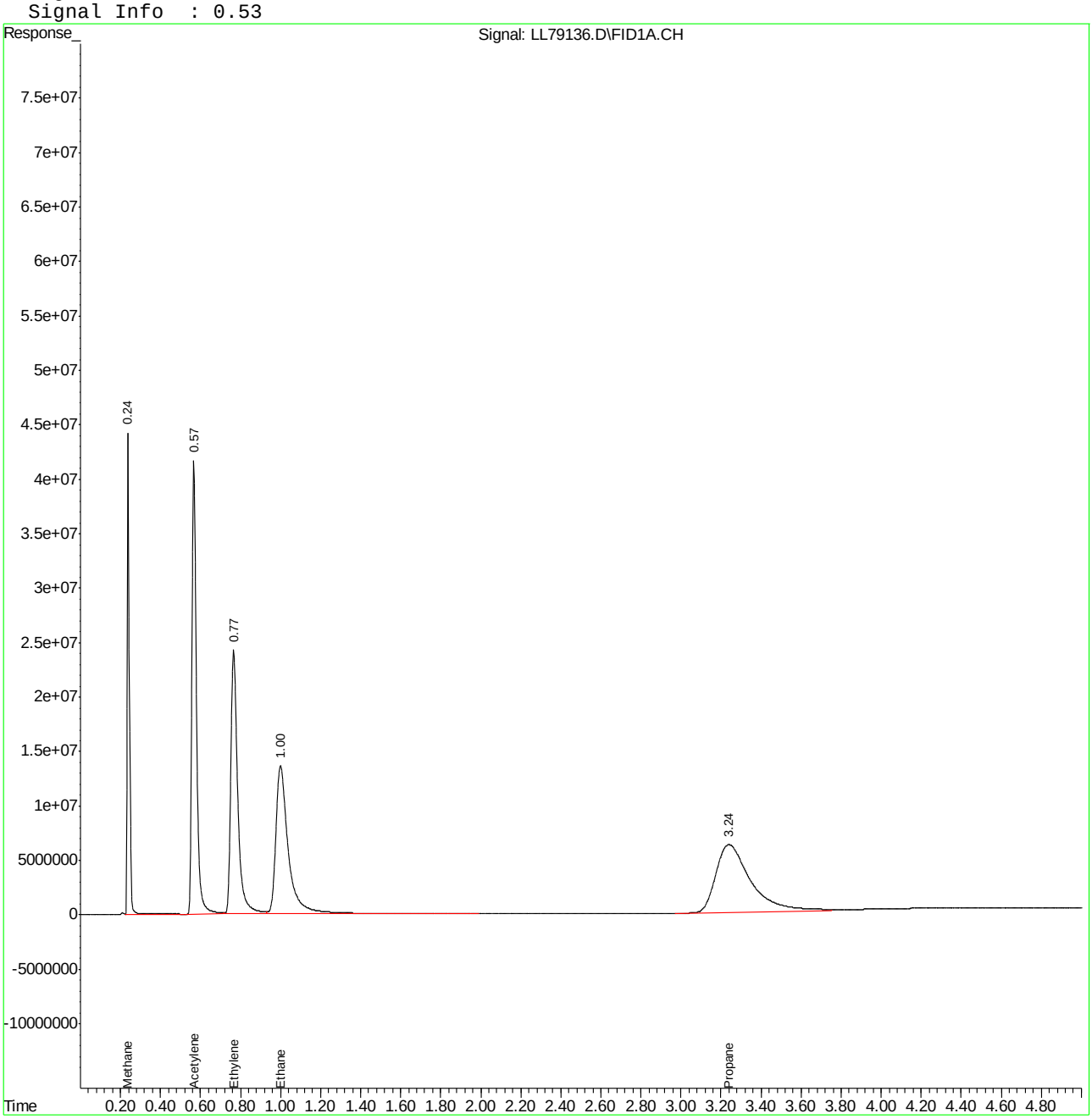
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79136.D Vial: 13
Acq On : 31 Aug 2022 12:32 pm Operator: kimb
Sample : cc2678-4 Inst : FID4-LL
Misc : gc23881,gll2748,38,20,500,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 12:38 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



SGS FA98431

Manual Integration Approval Summary

Sample Number: GLL2748-CC2678
Lab FileID: LL79136.D
Injection Time: 08/31/22 12:32
Method: RSKSOP-147/175
Analyst approved: 08/31/22 15:05 Kim Benham
Supervisor approved: 09/01/22 17:30 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	3.24	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 09/01/22 17:30

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79144.D Vial: 21
Acq On : 8-31-2022 02:42:35 PM Operator: kimb
Sample : ecc2678-5 Inst : FID4-LL
Misc : gc23882,gll2748,38,20,500,5,10 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 14:50:59 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Initial Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53

	Compound	R.T.	Response	Conc	Units	
	Target Compounds					
1)	Methane	0.24	614612829	1007.075	ppmv	
2)	Acetylene	0.57	1265892569	941.138	ppmv	
3)	Ethylene	0.76	1105227668	1015.890	ppmv	
4)	Ethane	1.00	1127975533	1008.119	ppmv	
5)	Propane	3.24	1473295899	993.694	ppmv	m

9.6.16
6

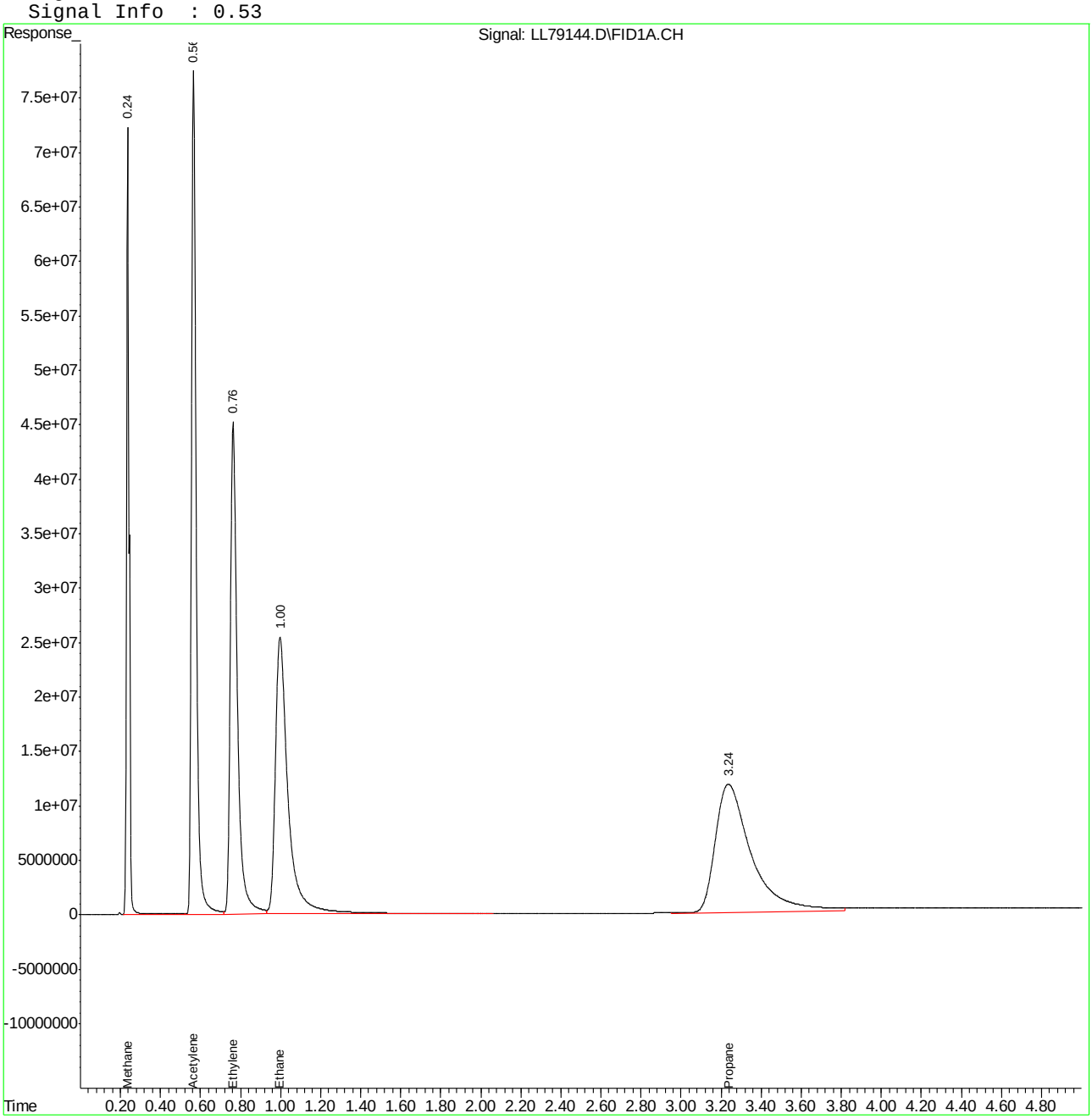
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\083122\LL79144.D Vial: 21
Acq On : 8-31-2022 02:42:35 PM Operator: kimb
Sample : ecc2678-5 Inst : FID4-LL
Misc : gc23882,gll2748,38,20,500,5,10 Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Aug 31 14:51 2022 Quant Results File: RSK122321B.RES

Quant Method : C:\MSDCHEM\1\METHODS\RSK122321B.M (Chemstation Integrator)
Title : Dissolved Gases in Water
Last Update : Tue Dec 28 14:25:49 2021
Response via : Multiple Level Calibration
DataAcq Meth : DGMEE3.M

Volume Inj. : manual
Signal Phase : Carboxen 1006 PLOT
Signal Info : 0.53



FA98431

Manual Integration Approval Summary

Sample Number: GLL2748-ECC2678
Lab FileID: LL79144.D
Injection Time: 08/31/22 14:42
Method: RSKSOP-147/175
Analyst approved: 08/31/22 15:05 Kim Benham
Supervisor approved: 09/01/22 17:30 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	1	3.24	Poor instrument integration

SGS -ORLANDO

GC VOA4-LL ANALYSIS LOG

DATE: 12/23/21	
COLUMN TYPE: C1006	
DETECTOR:	FID
INSTRUMENT: FID4-LL	
ANALYST:	trangd

METHODS: NEWRSK 147/175
METHOD FILE: RSK122321B.M
CALIB. DATE: 12/23/21
DataAqcMeth: DGMEE3.M
RUN ID: GLL2678

STANDARDS:
ICAL/CCV: 9808, 10447A, 10395B
ISTD/SURR: NA
ICV/QC: 10456A, 9513

PH LOT: 225320
KI PAPER LOT: 011819
AMBIENT TEMP. : 18C- 20°C
THERM ID: 170563327
Sample ID Verified: trangd
DATE VERIFIED: 12/23/21

Data File		Dil.	Vial #	Matrix	Final Volume µL	STD Conc. PPM	Manually Integrated Peaks Rationale, Peak#	pH	CI	RR	Comments
LL77103	mb, helium	-	-	-	-	-		-	-	-	
LL77104	cc2675-5	-	-	W	500	1000		-	-	-	Low; not used
LL77105	bs	-	-	-	500	10000		-	-	-	Low; not used
LL77106	cc2675-5	-	-	W	500	1000		-	-	-	change gases septa; restart
LL77107	mb, helium	-	-	W	500			-	-	-	
LL77108	cc2675-5	-	-	W	500	1000		-	-	-	high; not used
LL77109	cc2675-5	-	-	W	500	1000		-	-	-	high; not used
LL77110	mb, helium	-	-	W	500			-	-	-	
LL77111	bs	-	-	W	500	10000		-	-	-	test std; not used
LL77112	cc2675-7	-	-	W	500	1000		-	-	-	test std; not used
LL77113	mb, helium	-	-	W	500			-	-	-	
LL77114	mb, helium	-	-	W	500			-	-	-	
LL77115	ic2678-1	10x	-	W	500	15	pii: 1,5	-	-	-	500mL/5mL
LL77116	ic2678-2	-	-	W	500	15	pii: 5	-	-	-	
LL77117	ic2678-3	10x	-	W	500	1000	pii: 5	-	-	-	500mL/5mL
LL77118	ic2678-4	-	-	W	250	1000	pii: 5	-	-	-	
LL77119	icc2678-5	-	-	W	500	1000	pii: 5	-	-	-	
LL77120	ic2678-6	-	-	W	250	10000	pii: 5	-	-	-	
LL77121	ic2678-7	-	-	W	500	10000		-	-	-	
LL77122	mb, helium	-	-	W	500			-	-	-	
LL77123	icv2678-6	-	-	W	500	10000	pii: 5	-	-	-	passed
							TD				
							12/29/21				

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate.

All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.

Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

Analyst's Signature: Tammy Thang

SGS -ORLANDO

GC VOA4-LL ANALYSIS LOG

DATE: 08/30/22	**METHODS:** NEWRSK 147/175	**STANDARDS:**	**PH LOT:** 225320
COLUMN TYPE: C1006	**METHOD FILE:** RSK122321B.M	**ICAL/CCV:** 9808, 10447A, 10315B	**KI PAPER LOT:** 011819
DETECTOR: FID	**CALIB. DATE:** 12/23/21	10973A	**AMBIENT TEMP. :** 20°C
INSTRUMENT: FID4-LL	**DataAqcMeth:** DGMEE3.M	**ISTD/SURR:** NA	**THERM ID:** 170563327
ANALYST: kimb			**Sample ID Verified:** KB
	RUN ID: GLL2747	**ICV/QC:** 10456A, 9513, 11171A	**DATE VERIFIED:** 8/30/22

Data File		Dil.	Vial #	Matrix	Final Volume µL	STD Conc. PPM	Manually Integrated Peaks Rationale, Peak#	pH	CI	RR	Comments
LL79084	mb, helium	-	-	-	-	-		-	-	-	
LL79085	cc2678-5	-	-	W	500	1000		-	-	-	pass
LL79086	bs	-	-	W	500	10000		-	-	-	pass
LL79087	bsd	-	-	W	500	10000		-	-	-	pass (BS/BSD high acetylene, not needed)
LL79088	mb, helium	-	-	-	-	-		-	-	-	ok
LL79089	mb	-	-	W	500	-		-	-	Y	small methane hit, reprep
LL79090	mb			W	500	-		-	-	Y	small methane hit, reprep
LL79091	mb			W	500	-		-	-	-	ND
LL79092	la82509-1	1x	1	W	500	-		1	N	-	
LL79093	fa98428-5	1x	4	W	500	-		1	N	-	
LL79094	fa98428-6	1x	4	W	500	-		1	N	-	
LL79095	fa98428-7	1x	4	W	500	-		1	N	10x	methane high
LL79096	cc2678-4	-	-	W	250	1000		-	-	-	pass
LL79097	mb, helium	-	-	-	-	-		-	-	-	
LL79098	fa98428-9	1x	4	W	500	-		1	N	5x	methane high
LL79099	fa98428-10	1x	4	W	500	-		1	N	-	
LL79100	fa98428-11	1x	4	W	500	-		1	N	-	
LL79101	fa98431-1	1x	5	W	500	-		1	N	10x	methane high
LL79102	fa98431-2	1x	9	W	500	-		1	N	10x	methane high
LL79103	fa98431-3	1x	5	W	500	-		1	N	10x	methane high
LL79104	fa98431-4	1x	5	W	500	-		1	N	-	
LL79105	fa98431-5	1x	6	W	500	-		1	N	-	
LL79106	fa98431-6	1x	12	W	500	-		1	N	10x	methane high
LL79107	cc2678-5	-	-	W	500	1000		-	-	-	pass
LL79108	mb, helium	-	-	-	-	-		-	-	-	
LL79109	fa98431-6	10x	18	W	500	-		1	N	-	500uL/5mL
LL79110	fa98431-6dup	10x	18	W	500	-		1	N	-	pass, 500uL/5mL
LL79111	fa98431-6ms	10x	21	W	500	-		1	N	-	pass, 500uL/5mL
LL79112	fa98431-7	1x	10	W	500	-		1	N	-	
LL79113	fa98431-8	1x	7	W	500	-		1	N	10x	methane high, rerun 8/31/22
LL79114	fa98431-9	1x	6	W	500	-		1	N	10x	methane high, rerun 8/31/22

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate.

All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.

Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

Analyst's Signature: KB

SGS -ORLANDO

GC VOA4-LL ANALYSIS LOG

DATE: 08/30/22	**METHODS:** NEWRSK 147/175	**STANDARDS:**	**PH LOT:** 225320
COLUMN TYPE: C1006	**METHOD FILE:** RSK122321B.M	**ICAL/CCV:** 9808, 10447A, 10315B	**KI PAPER LOT:** 011819
DETECTOR: FID	**CALIB. DATE:** 12/23/21	10973A	**AMBIENT TEMP. :** 20°C
INSTRUMENT: FID4-LL	**DataAqcMeth:** DGMEE3.M	**ISTD/SURR:** NA	**THERM ID:** 170563327
ANALYST: kimb			**Sample ID Verified:** KB
	RUN ID: GLL2747	**ICV/QC:** 10456A, 9513, 11171A	**DATE VERIFIED:** 8/30/22

Data File	Sample ID	Dil.	Vial #	Matrix	Final Volume µL	STD Conc. PPM	Manually Integrated Peaks Rationale, Peak#	pH	CI	RR	Comments
LL79115	fa98431-11	1x	4	W	500	-		1	N	10x	methane high, rerun 8/31/22
LL79116	fa98428-7	10x	5	W	500	-		1	N	-	pass, 500uL/5mL
LL79117	fa98428-9	5x	5	W	100	-		1	N	-	100uL direct inject
LL79118	cc2678-5	-	-	W	500	1000		-	-	-	pass
LL79119	mb, helium	-	-	-	-	-		-	-	-	
LL79120	fa98431-1	10x	6	W	500	-		1	N	-	500uL/5mL
LL79121	fa98431-2	10x	4	W	500	-		1	N	-	500uL/5mL
LL79122	fa98431-3	10x	5	W	500	-		1	N	20x	methane high, rerun 8/31/22, 500uL/5mL
LL79123	ecc2678-5	-	-	W	500	1000		-	-	-	pass

MB 8/31/22

Analyst's Signature: _____

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.
All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

SGS -ORLANDO

GC VOA4-LL ANALYSIS LOG

DATE: 08/31/22	
COLUMN TYPE: C1006	
DETECTOR:	FID
INSTRUMENT: FID4-LL	
ANALYST:	kimb

METHODS: NEWRSK 147/175
METHOD FILE: RSK122321B.M
CALIB. DATE: 12/23/21
DataAqcMeth: DGMEE3.M
RUN ID: GLL2748

STANDARDS:
ICAL/CCV: 9808, 10447A, 10315B
10973A
ISTD/SURR: NA
ICV/QC: 10456A, 9513, 11171A

PH LOT: 225320
KI PAPER LOT: 011819
AMBIENT TEMP. : 20°C
THERM ID: 170563327
Sample ID Verified: KB
DATE VERIFIED: 8/31/22

Data File		Dil.	Vial #	Matrix	Final Volume µL	STD Conc. PPM	Manually Integrated Peaks Rationale, Peak#	pH	CI	RR	Comments
LL79124	mb, helium	-	-	-	-	-		-	-	-	
LL79125	cc2678-5	-	-	W	500	1000		-	-	-	pass
LL79126	bs	-	-	W	500	10000		-	-	-	pass
LL79127	bsd	-	-	W	500	10000		-	-	-	pass
LL79128	mb, helium	-	-	-	-	-		-	-	-	ok
LL79129	mb	-	-	W	500	-		-	-	-	ND
LL79130	fa98431-8	10x	6	W	500	-	workgroup GC13881	1	N	-	500uL/5mL
LL79131	fa98431-9	10x	7	W	500	-	workgroup GC13881	1	N	-	500uL/5ml
LL79132	fa98431-11	10x	6	W	500	-	workgroup GC13881	1	N	20x	methane offscale again, 500uL/5ml
LL79133	fa98485-1	1x	4	W	500	-	workgroup GC13882	1	N	2x	methane offscale
LL79134	fa98485-2	1x	3	W	500	-	workgroup GC13882	1	N	-	
LL79135	fa98485-3	1x	5	W	500	-	workgroup GC13882	1	N	10x	methane offscale
LL79136	cc2678-4	-	-	W	250	1000		-	-	-	pass
LL79137	mb, helium	-	-	-	-	-		-	-	-	
LL79138	fa98431-3	20x	6	W	500	-	workgroup GC13881	1	N	-	250ul/5mL
LL79139	fa98431-11	20x	4	W	500	-	workgroup GC13881	1	N	-	250ul/5mL
LL79140	fa98485-1	2x	5	W	250	-	workgroup GC13882	1	N	-	250uL direct inject
LL79141	fa98485-1dup	2x	5	W	250	-	workgroup GC13882	1	N	-	250uL direct inject
LL79142	fa98485-2ms	1x	2	W	500	-	workgroup GC13882	1	N	-	pass
LL79143	fa98485-3	10x	4	W	500	-	workgroup GC13882	1	N	-	500uL/5mL
LL79144	ecc2678-5	-	-	W	500	1000		-	-	-	pass

KB 8/31/22

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate.

All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.

Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

Analyst's Signature: KB

KB 8/31/22

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA98431
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP38002/GN92228	2.0	0.0	mg/l	50	51.7	103.4	90-110%
Chloride	GP38007/GN92235	2.0	0.0	mg/l	50	50.9	101.8	90-110%
Dissolved Organic Carbon	GP37995/GN92206	1.0	0.0	mg/l	15	14.0	93.3	90-110%
Sulfate	GP38002/GN92228	2.0	0.0	mg/l	50	50.7	101.4	90-110%
Sulfate	GP38007/GN92235	2.0	0.0	mg/l	50	50.3	100.6	90-110%
Total Organic Carbon	GP37990/GN92193	2.0	0.0	mg/l	15	14.9	99.3	90-110%

Associated Samples:
Batch GP37990: FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-6, FA98431-7, FA98431-8, FA98431-9, FA98431-11
Batch GP37995: FA98431-1F, FA98431-2F, FA98431-3F, FA98431-4F, FA98431-5F, FA98431-6F, FA98431-7F, FA98431-8F, FA98431-9F, FA98431-11F
Batch GP38002: FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-7, FA98431-8, FA98431-9
Batch GP38007: FA98431-6, FA98431-11
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA98431
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP38002/GN92228	FA98431-5	mg/l	16.7	50	64.9	96.4	90-110%
Chloride	GP38007/GN92235	FA98431-6	mg/l	2.3	50	52.7	100.8	90-110%
Dissolved Organic Carbon	GP37995/GN92206	FA98431-6F	mg/l	0.45	15	14.2(a)	91.7(a)	90-110%
Sulfate	GP38002/GN92228	FA98431-5	mg/l	4.0	50	53.3	98.6	90-110%
Sulfate	GP38007/GN92235	FA98431-6	mg/l	0.60 U	50	49.7	99.4	90-110%
Total Organic Carbon	GP37990/GN92193	FA98431-6	mg/l	0.54 U	15	14.8	98.7	90-110%

Associated Samples:
Batch GP37990: FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-6, FA98431-7, FA98431-8, FA98431-9, FA98431-11
Batch GP37995: FA98431-1F, FA98431-2F, FA98431-3F, FA98431-4F, FA98431-5F, FA98431-6F, FA98431-7F, FA98431-8F, FA98431-9F, FA98431-11F
Batch GP38002: FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-7, FA98431-8, FA98431-9
Batch GP38007: FA98431-6, FA98431-11
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Sample was filtered in the lab prior to analysis.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA98431
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chloride	GP38002/GN92228	FA98431-5	mg/l	16.7	50	65.0	0.2	15%
Chloride	GP38007/GN92235	FA98431-6	mg/l	2.3	50	52.7	0.0	15%
Dissolved Organic Carbon	GP37995/GN92206	FA98431-6F	mg/l	0.45	15	14.9(a)	4.8(a)	20%
Sulfate	GP38002/GN92228	FA98431-5	mg/l	4.0	50	53.4	0.2	15%
Sulfate	GP38007/GN92235	FA98431-6	mg/l	0.60 U	50	49.7	0.0	15%
Total Organic Carbon	GP37990/GN92193	FA98431-6	mg/l	0.54 U	15	15.3	3.3	20%

Associated Samples:
Batch GP37990: FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-6, FA98431-7, FA98431-8, FA98431-9, FA98431-11
Batch GP37995: FA98431-1F, FA98431-2F, FA98431-3F, FA98431-4F, FA98431-5F, FA98431-6F, FA98431-7F, FA98431-8F, FA98431-9F, FA98431-11F
Batch GP38002: FA98431-1, FA98431-2, FA98431-3, FA98431-4, FA98431-5, FA98431-7, FA98431-8, FA98431-9
Batch GP38007: FA98431-6, FA98431-11
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Sample was filtered in the lab prior to analysis.

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98431
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: B20829W1.TXT Date Analyzed: 08/29/22 Methods: SM5310 B-11/SW9060A
Analyst: FN Run ID: GN92193
Parameters: Total Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:16	GN92193-CCV1	1		
17:39	GP37990-MB1	1		
18:02	GP37990-B1	1		
18:25	FA98431-1	1		
18:48	FA98431-2	1		
19:11	FA98431-3	1		
19:34	FA98431-4	1		
19:56	FA98431-5	1		
20:19	FA98431-6	1		
20:42	GP37990-S1	1		
21:05	GP37990-S2	1		
21:28	GN92193-CCV2	1		
21:51	GN92193-CCB1	1		
22:14	FA98431-7	1		
22:37	FA98431-8	1		
23:00	FA98431-9	1		
23:22	FA98431-11	1		
23:45	ZZZZZZ	1		
00:08	ZZZZZZ	1		
00:31	ZZZZZZ	1		
00:54	ZZZZZZ	1		
01:16	ZZZZZZ	1		
01:39	ZZZZZZ	1		
02:02	GN92193-CCV3	1		
02:25	GP37991-MB1	1		
02:48	GP37991-B1	1		
03:12	ZZZZZZ	1		
03:35	ZZZZZZ	1		
03:57	ZZZZZZ	1		
04:20	ZZZZZZ	1		
04:43	ZZZZZZ	1		
05:06	ZZZZZZ	1		
05:29	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98431
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: B20829W1.TXT Date Analyzed: 08/29/22 Methods: SM5310 B-11/SW9060A
Analyst: FN Run ID: GN92193
Parameters: Total Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
05:52	GN92193-CCV4	1		
06:15	GN92193-CCB2	1		
06:38	FA98473-11	1		(sample used for QC only; not part of login FA98431)
07:01	GP37991-S1	1		
07:24	GP37991-S2	1		
07:47	ZZZZZZ	1		
08:10	FA98474-2	1		(sample used for QC only; not part of login FA98431)
08:33	GP37991-S3	1		
08:57	GP37991-S4	1		
09:20	ZZZZZZ	1		
10:29	GN92193-CCV5	1		
10:52	GN92193-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA98431
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: B20829W1.TXT Date Analyzed: 08/29/22 Methods: SM5310 B-11/SW9060A
Run ID: GN92193 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN92193-CCV1	Total Organic Carbon	15.9	2.0	0.54	15	106.0	90-110
GN92193-CCV2	Total Organic Carbon	16.1	2.0	0.54	15	107.3	90-110
GN92193-CCB1	Total Organic Carbon	0.54 U	2.0	0.54			
GN92193-CCV3	Total Organic Carbon	16.3	2.0	0.54	15	108.7	90-110
GN92193-CCV4	Total Organic Carbon	16.1	2.0	0.54	15	107.3	90-110
GN92193-CCB2	Total Organic Carbon	0.54 U	2.0	0.54			
GN92193-CCV5	Total Organic Carbon	15.0	2.0	0.54	15	100.0	90-110
GN92193-CCB3	Total Organic Carbon	0.54 U	2.0	0.54			

(!) Outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98431
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: B20831W1.TXT Date Analyzed: 08/31/22 Methods: SM5310 B-11/SW9060A
Analyst: FN Run ID: GN92206
Parameters: Dissolved Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:53	GN92206-CCV1	1		
13:16	GP37995-MB1	1		
13:39	GP37995-B1	1		
14:02	FA98431-1F	1		
14:25	FA98431-2F	1		
14:48	FA98431-3F	1		
15:11	FA98431-4F	1		
15:34	FA98431-5F	1		
15:57	FA98431-7F	1		
16:20	GN92206-CCV2	1		
16:42	GN92206-CCB1	1		
17:05	FA98431-6F	1		
17:28	GP37995-S1	1		
17:51	GP37995-S2	1		
18:15	FA98431-8F	1		
18:37	FA98431-9F	1		
19:00	FA98431-11F	1		
19:23	GN92206-CCV3	1		
19:46	GN92206-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA98431
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: B20831W1.TXT Date Analyzed: 08/31/22 Methods: SM5310 B-11/SW9060A
Run ID: GN92206 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN92206-CCV1	Dissolved Organic Carbon	15.3	1.0	0.27	15	102.0	90-110
GN92206-CCV2	Dissolved Organic Carbon	15.5	1.0	0.27	15	103.3	90-110
GN92206-CCB1	Dissolved Organic Carbon	0.27 U	1.0	0.27			
GN92206-CCV3	Dissolved Organic Carbon	15.3	1.0	0.27	15	102.0	90-110
GN92206-CCB2	Dissolved Organic Carbon	0.27 U	1.0	0.27			

(!) Outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98431
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: 42022090101.CSV Date Analyzed: 08/31/22 Methods: EPA 300/SW846 9056A
Analyst: JB Run ID: GN92228
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:24	GN92228-STD1	1		STDA
09:50	GN92228-STD2	1		STDB
10:11	GN92228-STD3	1		STDC
10:32	GN92228-STD4	1		STDD
10:53	GN92228-STD5	1		STDE
11:14	GN92228-STD6	1		STDF
11:35	GN92228-STD7	1		STDG
11:56	GN92228-STD8	1		STDH
12:17	GN92228-STD9	1		STDI
12:38	GN92228-STD10	1		STDJ
12:59	GN92228-STD11	1		STDK
13:30	GN92228-ICV1	1		
14:02	GN92228-ICB1	1		
14:23	GN92228-CRI1	1		
14:44	GN92228-CCV1	1		
15:05	GN92228-CCB1	1		
10:00	GN92228-CCV2	1		
10:25	GP38001-MB1	1		
10:46	GP38001-B1	1		
11:32	FA98566-1	1		(sample used for QC only; not part of login FA98431)
11:53	GP38001-S1	1		
12:15	GP38001-S2	1		
12:36	ZZZZZZ	10		
12:56	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:38	ZZZZZZ	1		
14:08	ZZZZZZ	1		
14:29	GN92228-CCV3	1		
14:50	GN92228-CCB2	1		
15:12	ZZZZZZ	1		
15:33	ZZZZZZ	1		
15:54	ZZZZZZ	5		
16:15	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98431
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: 42022090101.CSV Date Analyzed: 08/31/22 Methods: EPA 300/SW846 9056A
Analyst: JB Run ID: GN92228
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:54	ZZZZZZ	1		
17:15	ZZZZZZ	1		
17:36	ZZZZZZ	1		
17:57	FA98587-1	10		(sample used for QC only; not part of login FA98431)
18:18	GP38001-S3	10		
18:39	GP38001-S4	10		
19:00	GN92228-CCV4	1		
19:21	GN92228-CCB3	1		
19:42	ZZZZZZ	5		
20:03	ZZZZZZ	5		
20:44	ZZZZZZ	25		
21:05	ZZZZZZ	10		
21:26	ZZZZZZ	10		
21:46	GP38002-MB1	1		
22:07	GP38002-B1	1		
22:28	ZZZZZZ	100		
22:49	ZZZZZZ	100		
23:10	GN92228-CCV5	1		
23:31	GN92228-CCB4	1		
23:52	ZZZZZZ	100		
00:13	FA98374-1	1		(sample used for QC only; not part of login FA98431)
00:34	GP38002-S1	1		
00:55	GP38002-S2	1		
01:16	ZZZZZZ	1		
01:37	ZZZZZZ	1		
01:58	ZZZZZZ	1		
02:19	ZZZZZZ	5		
03:22	GN92228-CCV6	1		
03:43	GN92228-CCB5	1		
04:25	ZZZZZZ	100		
04:46	FA98431-1	1		
05:07	FA98431-2	1		
05:28	FA98431-3	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98431
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: 42022090101.CSV Date Analyzed: 08/31/22 Methods: EPA 300/SW846 9056A
Analyst: JB Run ID: GN92228
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
05:49	FA98431-4	1		
06:10	FA98431-5	1		
06:31	GP38002-S3	1		
06:52	GP38002-S4	1		
07:13	FA98431-9	1		
07:34	GN92228-CCV7	1		
07:55	GN92228-CCB6	1		
08:16	FA98431-7	1		
08:37	FA98431-8	1		
08:58	GN92228-CCV8	1		
09:19	GN92228-CCB7	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA98431
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: 42022090101.CSV Date Analyzed: 08/31/22 Methods: EPA 300/SW846 9056A
Run ID: GN92228 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN92228-ICV1	Sulfate	51.1	2.0	0.60	50	102.2	90-110
GN92228-ICB1	Sulfate	0.60 U	2.0	0.60			
GN92228-CRI1	Sulfate	0.839	2.0	0.60	1	83.9	50-150
GN92228-CCV1	Sulfate	51.0	2.0	0.60	50	102.0	90-110
GN92228-CCB1	Sulfate	0.60 U	2.0	0.60			
GN92228-CCV2	Sulfate	50.6	2.0	0.60	50	101.2	90-110
GN92228-CCV3	Sulfate	49.6	2.0	0.60	50	99.2	90-110
GN92228-CCB2	Sulfate	0.60 U	2.0	0.60			
GN92228-CCV4	Sulfate	48.9	2.0	0.60	50	97.8	90-110
GN92228-CCB3	Sulfate	0.60 U	2.0	0.60			
GN92228-CCV5	Sulfate	49.2	2.0	0.60	50	98.4	90-110
GN92228-CCB4	Sulfate	0.60 U	2.0	0.60			
GN92228-CCV6	Sulfate	48.4	2.0	0.60	50	96.8	90-110
GN92228-CCB5	Sulfate	0.60 U	2.0	0.60			
GN92228-CCV7	Sulfate	49.8	2.0	0.60	50	99.6	90-110
GN92228-CCB6	Sulfate	0.60 U	2.0	0.60			
GN92228-CCV8	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN92228-CCB7	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98431
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: 42022090201.CSV Date Analyzed: 08/31/22 Methods: EPA 300/SW846 9056A
Analyst: JB Run ID: GN92235
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:24	GN92235-STD1	1		STDA
09:50	GN92235-STD2	1		STDB
10:11	GN92235-STD3	1		STDC
10:32	GN92235-STD4	1		STDD
10:53	GN92235-STD5	1		STDE
11:14	GN92235-STD6	1		STDF
11:35	GN92235-STD7	1		STDG
11:56	GN92235-STD8	1		STDH
12:17	GN92235-STD9	1		STDI
12:38	GN92235-STD10	1		STDJ
12:59	GN92235-STD11	1		STDK
13:30	GN92235-ICV1	1		
14:02	GN92235-ICB1	1		
14:23	GN92235-CRI1	1		
14:44	GN92235-CCV1	1		
15:05	GN92235-CCB1	1		
08:58	GN92235-CCV2	1		
09:19	GN92235-CCB2	1		
09:40	GP38006-MB1	1		
10:06	GP38006-B1	1		
12:23	FA98609-2	10		(sample used for QC only; not part of login FA98431)
12:44	GP38006-S1	10		
13:05	GP38006-S2	10		
14:49	GN92235-CCV3	1		
15:11	GN92235-CCB3	1		
15:53	ZZZZZZ	5		
16:41	ZZZZZZ	10		
17:02	ZZZZZZ	10		
17:23	ZZZZZZ	25		
17:43	ZZZZZZ	50		
18:04	ZZZZZZ	5		
18:25	ZZZZZZ	25		
18:46	ZZZZZZ	25		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98431
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: 42022090201.CSV Date Analyzed: 08/31/22 Methods: EPA 300/SW846 9056A
Analyst: JB Run ID: GN92235
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:06	GN92235-CCV4	1		
19:28	GN92235-CCB4	1		
19:49	ZZZZZZ	10		
20:09	FA98376-1	50		(sample used for QC only; not part of login FA98431)
20:30	GP38006-S3	50		
20:51	GP38006-S4	50		
21:12	ZZZZZZ	5		
21:33	ZZZZZZ	5		
21:54	ZZZZZZ	5		
22:14	ZZZZZZ	5		
22:35	ZZZZZZ	1		
22:56	ZZZZZZ	10		
23:17	GN92235-CCV5	1		
23:38	GN92235-CCB5	1		
23:59	ZZZZZZ	5		
00:20	ZZZZZZ	10		
00:41	ZZZZZZ	5		
01:02	GP38007-MB1	1		
01:23	GP38007-B1	1		
01:44	FA98573-8	10		(sample used for QC only; not part of login FA98431)
02:05	GP38007-S1	10		
02:26	GP38007-S2	10		
02:46	ZZZZZZ	5		
03:07	ZZZZZZ	5		
03:28	GN92235-CCV6	1		
03:49	GN92235-CCB6	1		
04:10	ZZZZZZ	5		
04:31	ZZZZZZ	10		
04:52	ZZZZZZ	5		
05:13	ZZZZZZ	5		
05:34	ZZZZZZ	10		
05:54	ZZZZZZ	10		
06:15	ZZZZZZ	5		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA98431
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: 42022090201.CSV Date Analyzed: 08/31/22 Methods: EPA 300/SW846 9056A
Analyst: JB Run ID: GN92235
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
06:36	ZZZZZZ	5		
06:57	FA98431-6	1		
07:18	GP38007-S3	1		
07:39	GN92235-CCV7	1		
08:00	GN92235-CCB7	1		
08:21	GP38007-S4	1		
08:42	FA98431-11	1		
09:03	GN92235-CCV8	1		
09:24	GN92235-CCB8	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA98431
Account: BHATALB - Bhate Environmental
Project: Griffiss AFB; Rome, NY

File ID: 42022090201.CSV Date Analyzed: 08/31/22 Methods: EPA 300/SW846 9056A
Run ID: GN92235 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN92235-ICV1	Sulfate	51.1	2.0	0.60	50	102.2	90-110
GN92235-ICB1	Sulfate	0.60 U	2.0	0.60			
GN92235-CRI1	Sulfate	0.839	2.0	0.60	1	83.9	50-150
GN92235-CCV1	Sulfate	51.0	2.0	0.60	50	102.0	90-110
GN92235-CCB1	Sulfate	0.60 U	2.0	0.60			
GN92235-CCV2	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN92235-CCB2	Sulfate	0.60 U	2.0	0.60			
GN92235-CCV3	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN92235-CCB3	Sulfate	0.60 U	2.0	0.60			
GN92235-CCV4	Sulfate	52.1	2.0	0.60	50	104.2	90-110
GN92235-CCB4	Sulfate	0.60 U	2.0	0.60			
GN92235-CCV5	Sulfate	49.2	2.0	0.60	50	98.4	90-110
GN92235-CCB5	Sulfate	0.60 U	2.0	0.60			
GN92235-CCV6	Sulfate	49.6	2.0	0.60	50	99.2	90-110
GN92235-CCB6	Sulfate	0.60 U	2.0	0.60			
GN92235-CCV7	Sulfate	49.8	2.0	0.60	50	99.6	90-110
GN92235-CCB7	Sulfate	0.60 U	2.0	0.60			
GN92235-CCV8	Sulfate	49.0	2.0	0.60	50	98.0	90-110
GN92235-CCB8	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

General Chemistry

Raw Data

TOC ANALYSIS LOG, Aqueous

DATE:	08-29-2022
ANALYST:	F.N.
INSTRUMENT:	TOC2
INST. FILE NAME:	220829w1.txt
Filter Lot#:	—

METHODS:	SM5310B SW846 9060A
METHOD FILE:	NPOC-MET
CALIB. DATE:	07-13-2022
GN BATCH:	GN92193

pH paper lot#	230320
pipette ID#	TU11245
pipette ID#	PU13805
pipette ID#	—

STANDARDS	
ICAL:	LIST INDIVIDUALLY IN COMMENTS
ICV:	TOC 4026
CCV:	TOC 4025
QC:	WC1799

Autosampler position	Sample ID	Bottle #	pH, su	Injected Volume, ml	Manual Dilution	Instrument Dilution	GP BATCH	COMMENTS
1	BLANK	—	—	50 ml	1x	1x		
2	CCV	—	1.5					
3	MB1	—	—				37990	
4	B1	—	1.5					
5	FA98431-1	1	1.5					
6	-2	1	1.5					
7	-3	1	1.5					
8	-4	1	1.5					
9	-5	1	1.5					
10	-6	1	1.5					
11	S1(FA98431-6)	2	1.0					
12	S2(FA98431-6)	3	1.0					
13	CCV	—	1.5					
14	CCB	—	—					
15	FA98431-7	1	1.5				37990	
16	-8	1	1.5					
17	-9	1	1.5					
18	-11	1	1.5					
19	FA98427-1	1	1.5				37991	
20	-2	1	1.5					
21	-3	1	1.5					
22	-4	1	1.5					
23	FA98468-1	1	1.5					
24	-2	1	1.5					
25	CCV	—	1.5					
26	MB1	—	—				37991	

Notes (1 of 2)

Analyst Signature Frida N.

TOC ANALYSIS LOG, Aqueous

DATE:	08-29-2022
ANALYST:	F.N.
INSTRUMENT:	TOC2
INST. FILE NAME:	220829w1.tst
Filter Lot#:	—

METHODS:	SM5310B SW846 9060A
METHOD FILE:	NPOC-MET
CALIB. DATE:	07-13-2022
GN BATCH:	GN92193

pH paper lot#	230320
pipette ID#	TU11245
pipette ID#	PU13805
pipette ID#	—

STANDARDS	
ICAL:	LIST INDIVIDUALLY IN COMMENTS
ICV:	TOC 4026
CCV:	TOC 4025
QC:	WCM799

Autosampler position	Sample ID	Bottle #	pH, su	Injected Volume, ml	Manual Dilution	Instrument Dilution	GP BATCH	COMMENTS
27	B1	—	1.5	50 mL	1x	1x	37991	
28	FA98468-(*)F3	1	1.5					
29	-(*)F4	1	1.5					
30	-(*)F5	1	1.5					
31	-(*)F5	1	1.5					
32	- 6	1	1.0*					* ⇒ INITIAL PH>2, ADDED
33	- 8	1	1.5					DROPS CONC. HCL TO ACIDIFY
34	- 9	1	1.5					
35	CCV	—	1.5					
36	CCB	—	—					
37	FA98473-11	1	1.0*				37991	
38	S1(FA98473-11)	2	1.0*					
39	S2(FA98473-11)	3	1.0*					
40	FA98473-12	1	1.0*					
41	FA98(*)474-2	1	1.0*					
42	S3(FA98474-2)	2	1.0*					
43	S4(FA98474-2)	3	1.0*					
44	FA98474-3	1	1.0*					
45	FA98241-1	3	1.0*					} DNR ⇒ JOB CANCELLED.
46	-2	3	1.0*					
47	CCV	—	—					
48	CCB	—	—					

F.N. 08/30/22

Notes: (2 of 2) (*) F.N. 08/30/22 ACID LOT ID# 4121040 (CONC. HCL)

Analyst Signature F.N.

SGS Accutest - Orlando Organic Carbon Standards Preparation Log

SGS Std. #	Name Description	Parent Std. #	Parent Name	Parent Vendor	Parent Exp. Date	Parent Conc(mg/l)	Weight(g) / Vol.(ml) used	Bal.ID**/ pipette ID	Final Vol.(ml)	Final Conc(mg/l)	pH paper lot#	Prep. Date	Exp. Date	Initials
TOC 4014	MDL-6 1PPM	WC 1908	TOC KHP-1	INORG. VENTUR.	02/15/23	1000	ml 0.04	NU 04977	40	1.0	230 320	07/19/22	08/31/22	F.N.
TOC 4015	MDL-7 1PPM	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
TOC 4016	CCV-STD 15 PPM	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 x3 mL	TU11245	40	15.0	230320	07/22/22	08/22/22	ST
TOC 4017	CCV-STD 15 PPM	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 x2 mL	KU15244	40	15.0	230320	07/25/22	08/25/22	ST
TOC 4018	MDL-1 (L) 1PPM	WC 1908	TOC KHP-1	INORGANIC VENTURES	02/15/23	1000	0.1	NU 04977	100	1.0	230 320	07/19/22	08/19/22	F.N.
TOC 4019	MDL-2 (L) 1PPM	↓	↓	↓	↓	1000	↓	↓	100	↓	↓	↓	↓	↓
TOC 4020	MDL-3 (L) 1PPM	↓	↓	↓	↓	1000	↓	↓	100	↓	↓	↓	↓	↓
TOC 4021	MDL-4 (L) 1PPM	WC 1908	TOC KHP-1	INORG. VENTUR.	02/15/23	1000	0.1	NU 04977	100	1.0	230320	07/26/22	08/26/22	F.N.
TOC 4022	MDL-5 (L) 1PPM	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
TOC 4023	BSP (F)	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 mL	TU11245	40	15.0	230320	08/01/22	08/07/22	ST
TOC 4024	BSP	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 mL	TU11245	40	15.0	230320	08/03/22	08/10/22	ST
TOC 4025	CCV - STD 15 PPM	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	ml 3.75	PU 13805	250	15.0	230 320	08/16/22	09/16/22	F.N.
TOC 4026	ICV - STD 15 PPM	WC 1799	↓	↓	↓	↓	ml 3.75	↓	250	15.0	↓	08/16/22	09/16/22	F.N.

:)=TOC3

** Record ANALYTICAL balance sequential number

C:\TOC3201\Data\toc 2 aq 08-29-2022.t32

	Type	Analysis	Sample Name	Origin	Manual Dilutio	Result	Comment	Status	Date / Time	Vial
1	Unknow	NPOC	BLANK	NPOC.me	1.000	NPOC:-0.1465mg/L	SM5310B SW846 9060A	Completed	8/29/2022 5:00:15 PM	1
2	Unknow	NPOC	CCV	NPOC.me	1.000	NPOC:15.90mg/L	SM5310B SW846 9060A	Completed	8/29/2022 5:23:13 PM	2
3	Unknow	NPOC	GP37990-MB1	NPOC.me	1.000	NPOC:-0.1095mg/L	SM5310B SW846 9060A	Completed	8/29/2022 5:46:01 PM	3
4	Unknow	NPOC	GP37990-B1	NPOC.me	1.000	NPOC:14.89mg/L	SM5310B SW846 9060A	Completed	8/29/2022 6:08:56 PM	4
5	Unknow	NPOC	FA98431-1	NPOC.me	1.000	NPOC:0.8214mg/L	SM5310B SW846 9060A	Completed	8/29/2022 6:31:44 PM	5
6	Unknow	NPOC	FA98431-2	NPOC.me	1.000	NPOC:0.4700mg/L	SM5310B SW846 9060A	Completed	8/29/2022 6:54:32 PM	6
7	Unknow	NPOC	FA98431-3	NPOC.me	1.000	NPOC:0.8317mg/L	SM5310B SW846 9060A	Completed	8/29/2022 7:17:24 PM	7
8	Unknow	NPOC	FA98431-4	NPOC.me	1.000	NPOC:0.5310mg/L	SM5310B SW846 9060A	Completed	8/29/2022 7:40:12 PM	8
9	Unknow	NPOC	FA98431-5	NPOC.me	1.000	NPOC:0.6935mg/L	SM5310B SW846 9060A	Completed	8/29/2022 8:03:00 PM	9
10	Unknow	NPOC	FA98431-6	NPOC.me	1.000	NPOC:0.3173mg/L	SM5310B SW846 9060A	Completed	8/29/2022 8:25:48 PM	10
11	Unknow	NPOC	GP37990-S1	NPOC.me	1.000	NPOC:14.82mg/L	SM5310B SW846 9060A	Completed	8/29/2022 8:48:49 PM	11
12	Unknow	NPOC	GP37990-S2	NPOC.me	1.000	NPOC:15.29mg/L	SM5310B SW846 9060A	Completed	8/29/2022 9:11:45 PM	12
13	Unknow	NPOC	CCV	NPOC.me	1.000	NPOC:16.10mg/L	SM5310B SW846 9060A	Completed	8/29/2022 9:35:01 PM	13
14	Unknow	NPOC	CCB	NPOC.me	1.000	NPOC:-0.08122mg/L	SM5310B SW846 9060A	Completed	8/29/2022 9:57:48 PM	14
15	Unknow	NPOC	FA98431-7	NPOC.me	1.000	NPOC:0.3202mg/L	SM5310B SW846 9060A	Completed	8/29/2022 10:20:36 P	15
16	Unknow	NPOC	FA98431-8	NPOC.me	1.000	NPOC:1.243mg/L	SM5310B SW846 9060A	Completed	8/29/2022 10:43:25 P	16
17	Unknow	NPOC	FA98431-9	NPOC.me	1.000	NPOC:0.7250mg/L	SM5310B SW846 9060A	Completed	8/29/2022 11:06:12 P	17
18	Unknow	NPOC	FA98431-11	NPOC.me	1.000	NPOC:0.8374mg/L	SM5310B SW846 9060A	Completed	8/29/2022 11:29:00 P	18
19	Unknow	NPOC	FA98427-1	NPOC.me	1.000	NPOC:0.04257mg/L	SM5310B SW846 9060A	Completed	8/29/2022 11:51:49 P	19
20	Unknow	NPOC	FA98427-2	NPOC.me	1.000	NPOC:-0.04113mg/L	SM5310B SW846 9060A	Completed	8/30/2022 12:14:36 A	20
21	Unknow	NPOC	FA98427-3	NPOC.me	1.000	NPOC:-0.02811mg/L	SM5310B SW846 9060A	Completed	8/30/2022 12:37:24 A	21
22	Unknow	NPOC	FA98427-4	NPOC.me	1.000	NPOC:0.09578mg/L	SM5310B SW846 9060A	Completed	8/30/2022 1:00:12 AM	22
23	Unknow	NPOC	FA98468-1	NPOC.me	1.000	NPOC:1.527mg/L	SM5310B SW846 9060A	Completed	8/30/2022 1:23:00 AM	23
24	Unknow	NPOC	FA98468-2	NPOC.me	1.000	NPOC:0.3860mg/L	SM5310B SW846 9060A	Completed	8/30/2022 1:45:48 AM	24
25	Unknow	NPOC	CCV	NPOC.me	1.000	NPOC:16.33mg/L	SM5310B SW846 9060A	Completed	8/30/2022 2:09:02 AM	25
26	Unknow	NPOC	GP37991-MB1	NPOC.me	1.000	NPOC:-0.07610mg/L	SM5310B SW846 9060A	Completed	8/30/2022 2:31:50 AM	26
27	Unknow	NPOC	GP37991-B1	NPOC.me	1.000	NPOC:15.11mg/L	SM5310B SW846 9060A	Completed	8/30/2022 2:55:28 AM	27
28	Unknow	NPOC	FA98468-3	NPOC.me	1.000	NPOC:7.680mg/L	SM5310B SW846 9060A	Completed	8/30/2022 3:18:24 AM	28
29	Unknow	NPOC	FA98468-7	NPOC.me	1.000	NPOC:0.6367mg/L	SM5310B SW846 9060A	Completed	8/30/2022 3:41:13 AM	29
30	Unknow	NPOC	FA98468-4	NPOC.me	1.000	NPOC:0.4278mg/L	SM5310B SW846 9060A	Completed	8/30/2022 4:04:03 AM	30
31	Unknow	NPOC	FA98468-5	NPOC.me	1.000	NPOC:0.7771mg/L	SM5310B SW846 9060A	Completed	8/30/2022 4:26:52 AM	31
32	Unknow	NPOC	FA98468-6	NPOC.me	1.000	NPOC:1.468mg/L	SM5310B SW846 9060A	Completed	8/30/2022 4:49:41 AM	32
33	Unknow	NPOC	FA98468-8	NPOC.me	1.000	NPOC:0.5120mg/L	SM5310B SW846 9060A	Completed	8/30/2022 5:12:30 AM	33
34	Unknow	NPOC	FA98468-9	NPOC.me	1.000	NPOC:1.069mg/L	SM5310B SW846 9060A	Completed	8/30/2022 5:35:19 AM	34
35	Unknow	NPOC	CCV	NPOC.me	1.000	NPOC:16.06mg/L	SM5310B SW846 9060A	Completed	8/30/2022 5:58:31 AM	35
36	Unknow	NPOC	CCB	NPOC.me	1.000	NPOC:-0.00331mg/L	SM5310B SW846 9060A	Completed	8/30/2022 6:21:20 AM	36
37	Unknow	NPOC	FA98473-11	NPOC.me	1.000	NPOC:4.419mg/L	SM5310B SW846 9060A	Completed	8/30/2022 6:44:09 AM	37
38	Unknow	NPOC	GP37991-S1	NPOC.me	1.000	NPOC:19.80mg/L	SM5310B SW846 9060A	Completed	8/30/2022 7:07:36 AM	38

8/30/2022 12:12:17 PM

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	Type	Analysis	Sample Name	Origin	Manual Dilutio	Result	Comment	Status	Date / Time	Vial
39	Unknow	NPOC	GP37991-S2	NPOC.me	1.000	NPOC:19.74mg/L	SM5310B SW846 9060A	Completed	8/30/2022 7:30:56 AM	39
40	Unknow	NPOC	FA98473-12	NPOC.me	1.000	NPOC:4.469mg/L	SM5310B SW846 9060A	Completed	8/30/2022 7:53:52 AM	40
41	Unknow	NPOC	FA98474-2	NPOC.me	1.000	NPOC:6.455mg/L	SM5310B SW846 9060A	Completed	8/30/2022 8:16:41 AM	41
42	Unknow	NPOC	GP37991-S3	NPOC.me	1.000	NPOC:22.03mg/L	SM5310B SW846 9060A	Completed	8/30/2022 8:40:05 AM	42
43	Unknow	NPOC	GP37991-S4	NPOC.me	1.000	NPOC:21.68mg/L	SM5310B SW846 9060A	Completed	8/30/2022 9:03:50 AM	43
44	Unknow	NPOC	FA98474-3	NPOC.me	1.000	NPOC:6.379mg/L	SM5310B SW846 9060A	Completed	8/30/2022 9:26:39 AM	44
45	Unknow	NPOC	FA98241-1	NPOC.me	1.000	NPOC:13.22mg/L	SM5310B SW846 9060A	Completed	8/30/2022 9:49:52 AM	45
46	Unknow	NPOC	FA98241-2	NPOC.me	1.000	NPOC:21.96mg/L	SM5310B SW846 9060A	Completed	8/30/2022 10:12:53 A	46
47	Unknow	NPOC	CCV	NPOC.me	1.000	NPOC:14.95mg/L	SM5310B SW846 9060A	Completed	8/30/2022 10:36:16 A	47
48	Unknow	NPOC	CCB	NPOC.me	1.000	NPOC:-0.00427mg/L	SM5310B SW846 9060A	Completed	8/30/2022 10:59:07 A	48

Instr.Information

System	TOC-2
Instrument Options	TOC/ASI/
Catalyst	Regular Sensitivity

Sample

Sample Name:	BLANK
Sample ID:	Untitled
Origin:	NPOC.met
Status	Completed
Chk. Result	

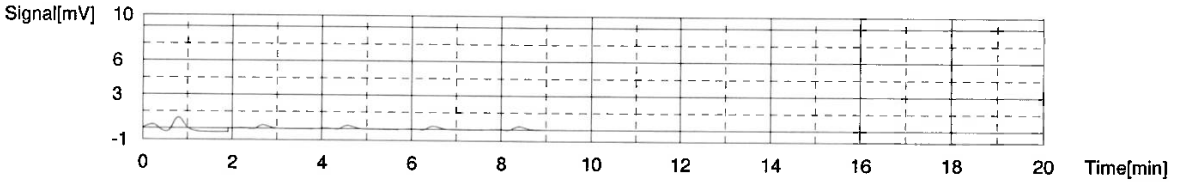
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.1465mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.360	0.08982mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 4:52:04 PM
2	0.5411	-0.1513mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 4:54:07 PM
3	0.5339	-0.1534mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 4:56:10 PM
4	0.5962	-0.1350mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 4:58:12 PM
5	0.5584	-0.1462mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:00:15 PM

Mean Area	0.5574
Mean Conc.	-0.1465mg/L



Sample

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QC Reports: GN92193
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FA98431

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

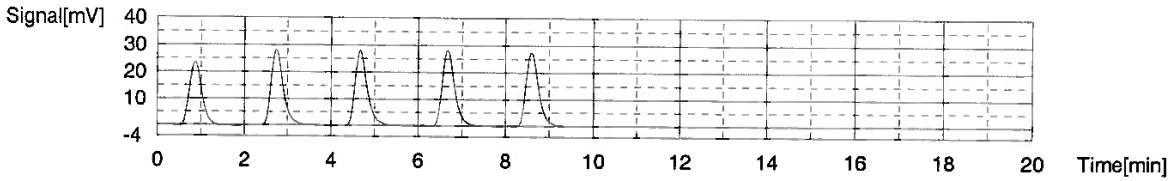
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.90mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	46.33	13.33mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:14:53 PM
2	55.18	15.93mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:16:59 PM
3	54.90	15.85mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:19:07 PM
4	55.45	16.01mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:21:11 PM
5	54.72	15.80mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:23:13 PM

Mean Area 55.06
Mean Conc. 15.90mg/L



Sample

Sample Name: GP37990-MB1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

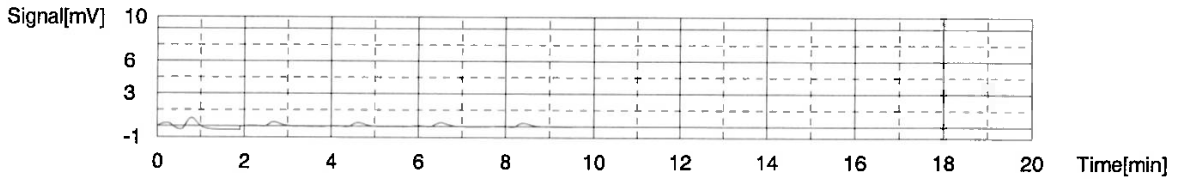
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.1095mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.136	0.02388mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:37:50 PM
2	0.7060	-0.1027mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:39:53 PM
3	0.7012	-0.1041mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:41:56 PM
4	0.6848	-0.1090mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:43:58 PM
5	0.6399	-0.1222mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 5:46:01 PM

Mean Area 0.6830
Mean Conc. -0.1095mg/L



Sample

Sample Name: GP37990-B1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.89mg/L

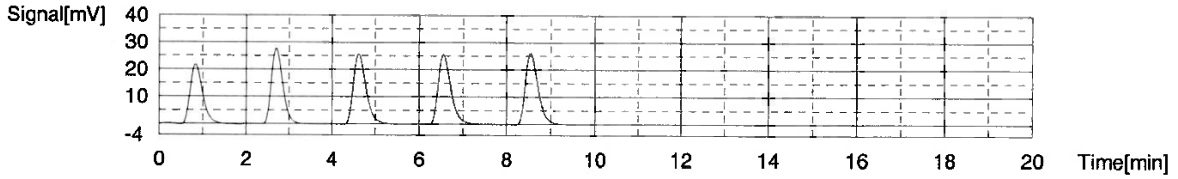
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.93	12.33mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:00:38 PM
2	51.24	14.77mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:02:41 PM
3	51.76	14.93mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:04:45 PM
4	52.03	15.01mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:06:53 PM
5	51.46	14.84mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:08:56 PM

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Mean Area 51.62
Mean Conc. 14.89mg/L



Sample

Sample Name: FA98431-1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

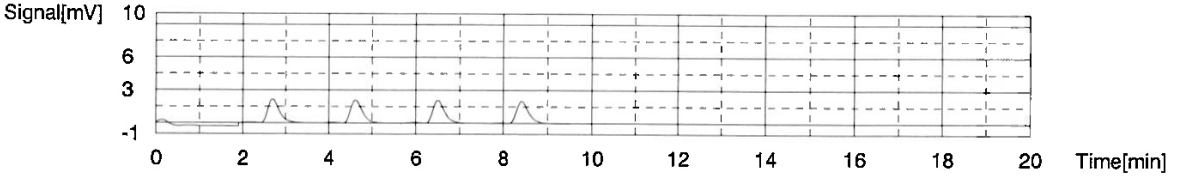
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.8214mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.3106mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:23:33 PM
2	3.890	0.8347mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:25:36 PM
3	3.806	0.8099mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:27:39 PM
4	3.874	0.8299mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:29:41 PM
5	3.810	0.8111mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:31:44 PM

Mean Area 3.845
Mean Conc. 0.8214mg/L



Sample

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QC Reports: GN92193
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Sample Name: FA98431-2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

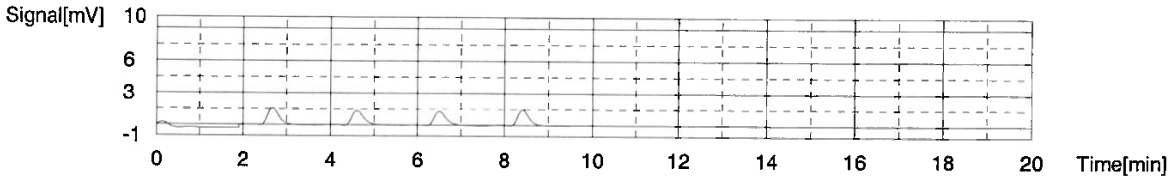
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4700mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1002	-0.2811mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:46:20 PM
2	2.825	0.5211mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:48:23 PM
3	2.576	0.4478mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:50:26 PM
4	2.544	0.4384mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:52:29 PM
5	2.661	0.4728mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 6:54:32 PM

Mean Area 2.652
Mean Conc. 0.4700mg/L



Sample

Sample Name: FA98431-3
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.8317mg/L

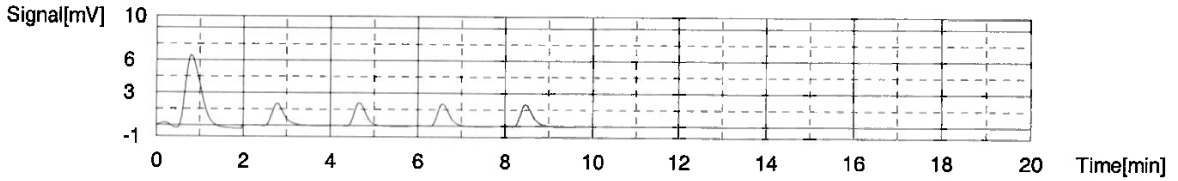
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.25	4.473mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:09:12 PM
2	3.926	0.8453mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:11:15 PM
3	3.903	0.8385mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:13:18 PM
4	3.871	0.8291mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:15:21 PM
5	3.820	0.8140mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:17:24 PM

Mean Area 3.880
Mean Conc. 0.8317mg/L



Sample

Sample Name: FA98431-4
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5310mg/L

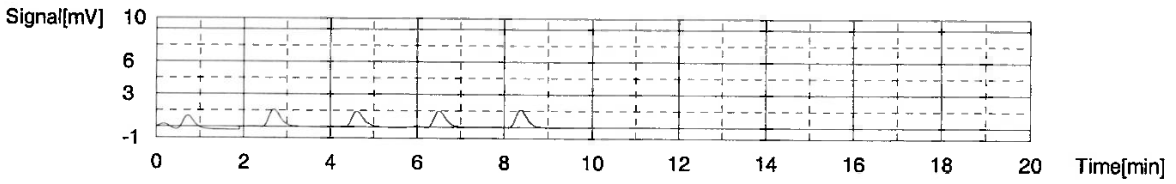
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.118	0.3130mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:32:00 PM
2	2.944	0.5562mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:34:03 PM
3	2.830	0.5226mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:36:06 PM
4	2.816	0.5185mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:38:09 PM
5	2.844	0.5267mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:40:12 PM

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FA98431

Mean Area 2.859
Mean Conc. 0.5310mg/L



Sample

Sample Name: FA98431-5
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

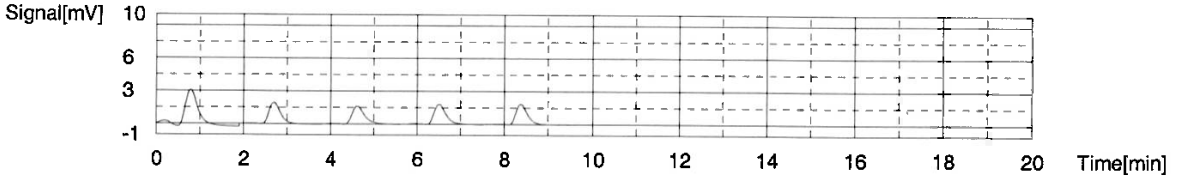
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6935mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.419	1.579mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:54:48 PM
2	3.491	0.7172mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:56:51 PM
3	3.337	0.6718mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 7:58:54 PM
4	3.457	0.7072mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:00:57 PM
5	3.357	0.6777mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:03:00 PM

Mean Area 3.410
Mean Conc. 0.6935mg/L



Sample

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QC Reports: GN92193
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Sample Name: FA98431-6
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

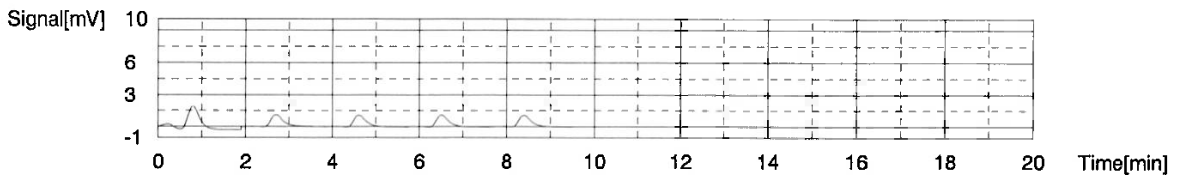
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3173mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.368	0.6810mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:17:36 PM
2	2.237	0.3480mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:19:39 PM
3	2.112	0.3112mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:21:42 PM
4	2.141	0.3197mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:23:45 PM
5	2.041	0.2903mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:25:48 PM

Mean Area 2.133
Mean Conc. 0.3173mg/L



Sample

Sample Name: GP37990-S1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.82mg/L

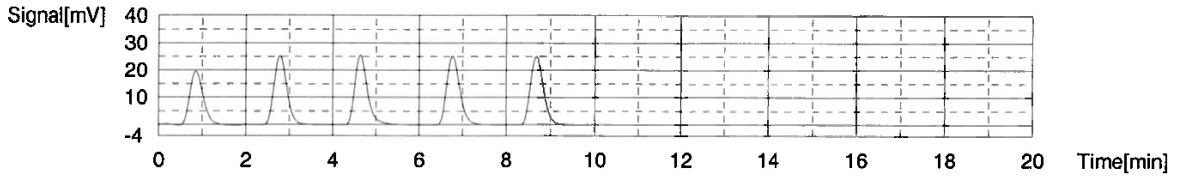
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.27	12.13mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:40:24 PM
2	51.41	14.82mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:42:27 PM
3	51.53	14.86mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:44:43 PM
4	51.64	14.89mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:46:46 PM
5	51.03	14.71mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 8:48:49 PM

Mean Area 51.40
Mean Conc. 14.82mg/L



Sample

Sample Name: GP37990-S2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

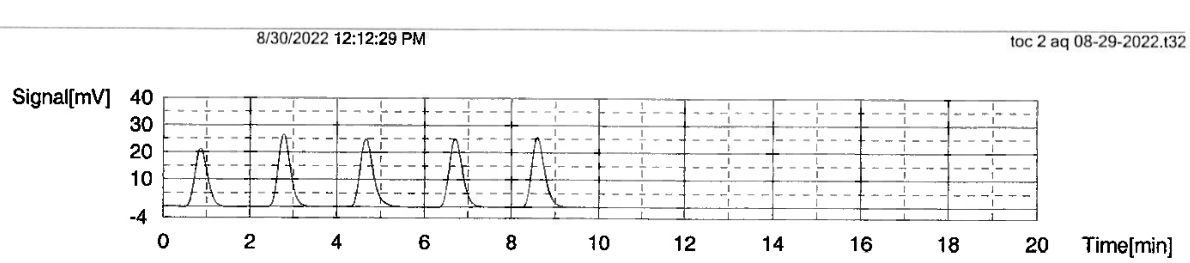
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.29mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	44.05	12.66mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:03:25 PM
2	52.45	15.13mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:05:28 PM
3	53.14	15.33mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:07:39 PM
4	52.94	15.27mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:09:42 PM
5	53.46	15.43mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:11:45 PM

Mean Area 53.00
Mean Conc. 15.29mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

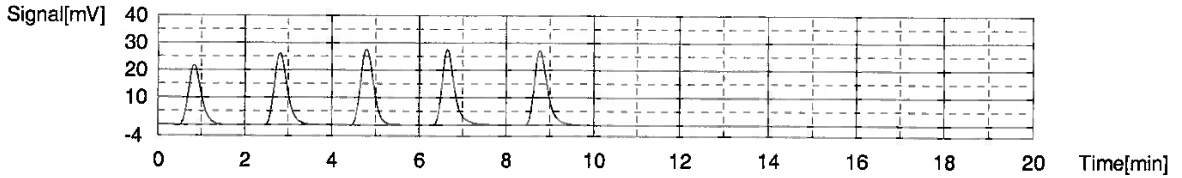
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:16.10mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	46.01	13.23mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:26:25 PM
2	54.69	15.79mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:28:32 PM
3	56.85	16.43mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:30:35 PM
4	55.33	15.98mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:32:49 PM
5	56.11	16.21mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:35:01 PM

Mean Area 55.75
Mean Conc. 16.10mg/L



Sample

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QC Reports: GN92193
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Sample Name: CCB
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

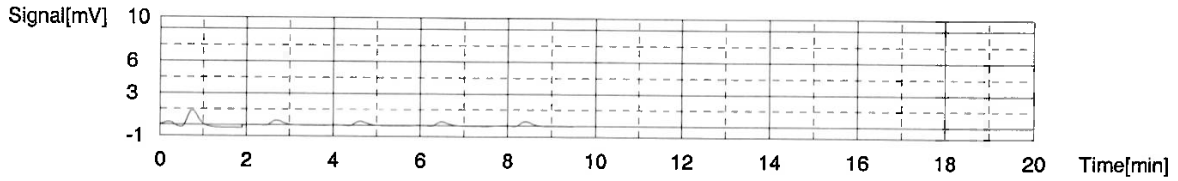
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.08122mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.206	0.3389mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:49:37 PM
2	0.8262	-0.06733mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:51:40 PM
3	0.7472	-0.09059mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:53:43 PM
4	0.7324	-0.09494mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:55:46 PM
5	0.8102	-0.07204mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 9:57:48 PM

Mean Area 0.7790
Mean Conc. -0.08122mg/L



Sample

Sample Name: FA98431-7
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

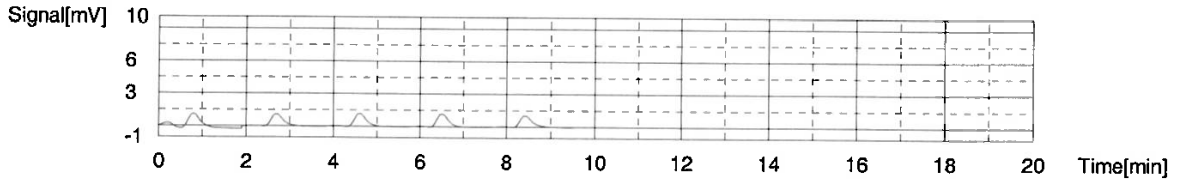
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3202mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.943	0.2615mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:12:25 PM
2	2.126	0.3153mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:14:28 PM
3	2.179	0.3309mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:16:31 PM
4	2.182	0.3318mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:18:34 PM
5	2.083	0.3027mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:20:36 PM

Mean Area 2.143
Mean Conc. 0.3202mg/L



Sample

Sample Name: FA98431-8
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.243mg/L

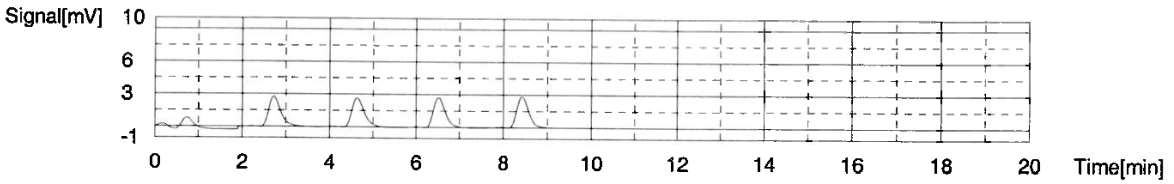
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.763	0.2085mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:35:13 PM
2	5.284	1.245mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:37:16 PM
3	5.252	1.236mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:39:19 PM
4	5.202	1.221mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:41:22 PM
5	5.367	1.269mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:43:25 PM

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Mean Area 5.276
Mean Conc. 1.243mg/L



Sample

Sample Name: FA98431-9
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

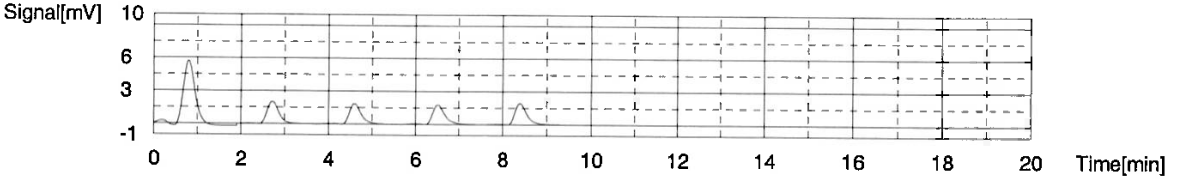
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.7250mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.97	2.919mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 10:58:01 PM
2	3.682	0.7734mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:00:04 PM
3	3.414	0.6945mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:02:07 PM
4	3.423	0.6972mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:04:10 PM
5	3.551	0.7349mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:06:12 PM

Mean Area 3.518
Mean Conc. 0.7250mg/L



Sample

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Sample Name: FA98431-11
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

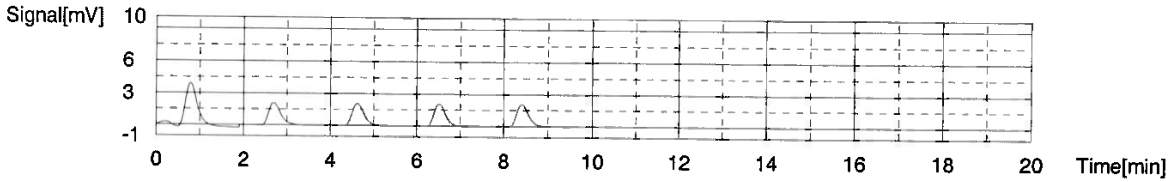
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.8374mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.110	1.783mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:20:49 PM
2	3.968	0.8576mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:22:52 PM
3	3.949	0.8520mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:24:55 PM
4	3.809	0.8108mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:26:58 PM
5	3.871	0.8291mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:29:00 PM

Mean Area 3.899
Mean Conc. 0.8374mg/L



Sample

Sample Name: FA98427-1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.04257mg/L

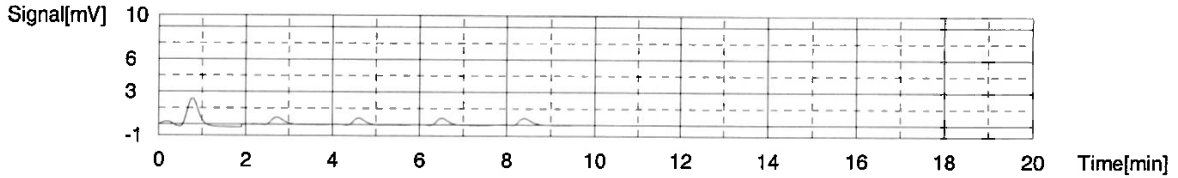
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.543	1.027mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:43:37 PM
2	1.299	0.07186mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:45:40 PM
3	1.127	0.02123mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:47:43 PM
4	1.167	0.03300mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:49:46 PM
5	1.205	0.04419mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/29/2022 11:51:49 PM

Mean Area 1.200
Mean Conc. 0.04257mg/L



Sample

Sample Name: FA98427-2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.04113mg/L

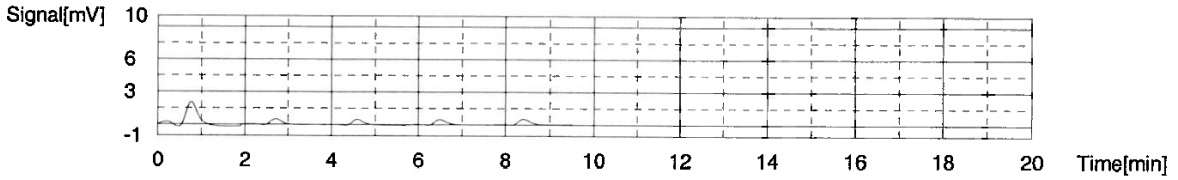
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.492	0.7175mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:06:25 AM
2	0.8825	-0.05075mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:08:28 AM
3	0.9039	-0.04445mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:10:31 AM
4	0.8921	-0.04793mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:12:34 AM
5	0.9823	-0.02137mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:14:36 AM

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Mean Area 0.9152
Mean Conc. -0.04113mg/L



Sample

Sample Name: FA98427-3
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

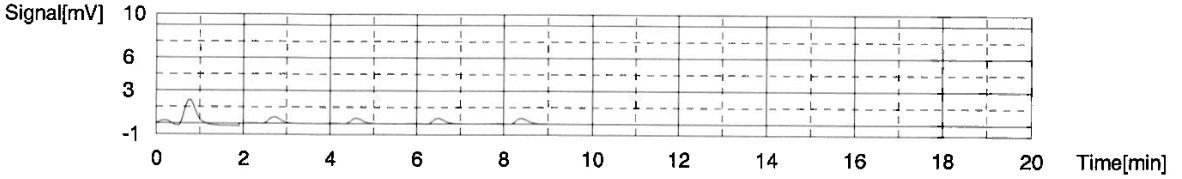
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.02811mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.699	0.7784mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:29:13 AM
2	1.054	-0.00026mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:31:16 AM
3	0.9462	-0.03200mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:33:19 AM
4	0.9054	-0.04401mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:35:22 AM
5	0.9320	-0.03618mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:37:24 AM

Mean Area 0.9594
Mean Conc. -0.02811mg/L



Sample

Sample Name: FA98427-4
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

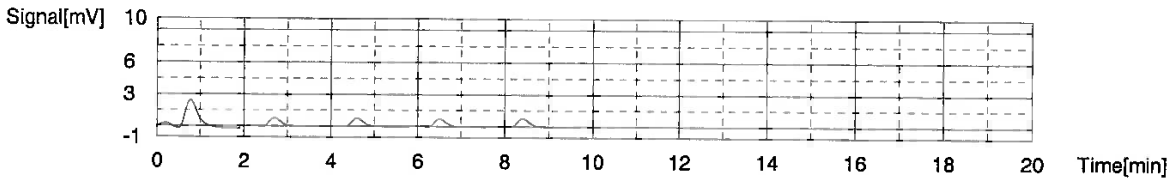
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.09578mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.592	1.041mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:52:01 AM
2	1.423	0.1084mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:54:04 AM
3	1.374	0.09394mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:56:07 AM
4	1.326	0.07981mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 12:58:10 AM
5	1.398	0.1010mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:00:12 AM

Mean Area 1.380
Mean Conc. 0.09578mg/L



Sample

Sample Name: FA98468-1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.527mg/L

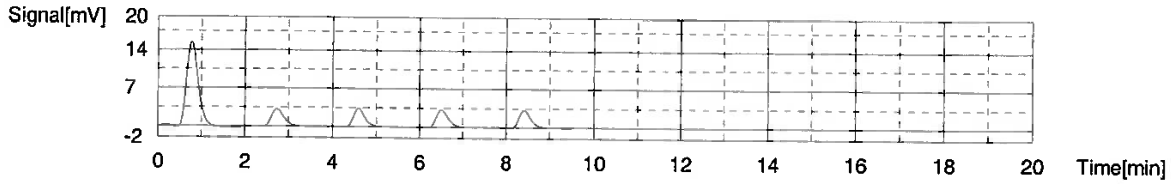
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	28.94	8.209mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:14:49 AM
2	6.369	1.564mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:16:52 AM
3	6.212	1.518mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:18:55 AM
4	6.273	1.536mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:20:58 AM
5	6.118	1.491mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:23:00 AM

Mean Area 6.243
Mean Conc. 1.527mg/L



Sample

Sample Name: FA98468-2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3860mg/L

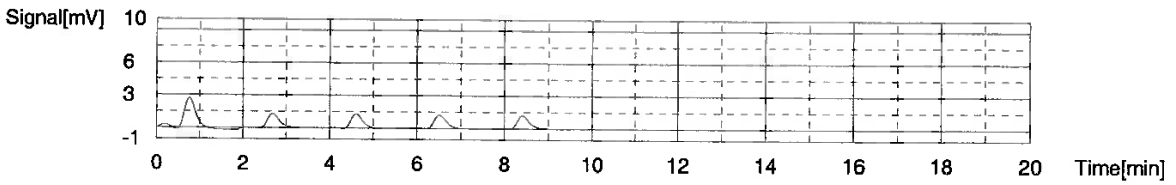
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.762	1.091mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:37:37 AM
2	2.412	0.3995mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:39:40 AM
3	2.391	0.3933mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:41:42 AM
4	2.304	0.3677mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:43:45 AM
5	2.357	0.3833mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 1:45:48 AM

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Mean Area 2.366
Mean Conc. 0.3860mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

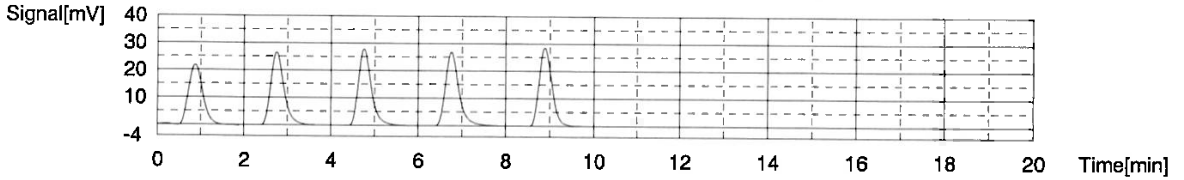
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:16.33mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	49.03	14.12mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:00:25 AM
2	55.89	16.14mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:02:35 AM
3	57.23	16.54mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:04:42 AM
4	56.96	16.46mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:06:59 AM
5	56.07	16.20mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:09:02 AM

Mean Area 56.54
Mean Conc. 16.33mg/L



Sample

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Sample Name: GP37991-MB1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

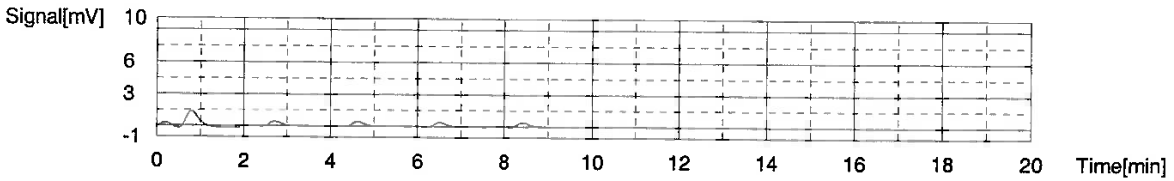
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.07610mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.472	0.4172mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:23:39 AM
2	0.8275	-0.06695mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:25:42 AM
3	0.8135	-0.07107mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:27:45 AM
4	0.7575	-0.08755mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:29:47 AM
5	0.7871	-0.07884mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:31:50 AM

Mean Area 0.7964
Mean Conc. -0.07610mg/L



Sample

Sample Name: GP37991-B1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.11mg/L

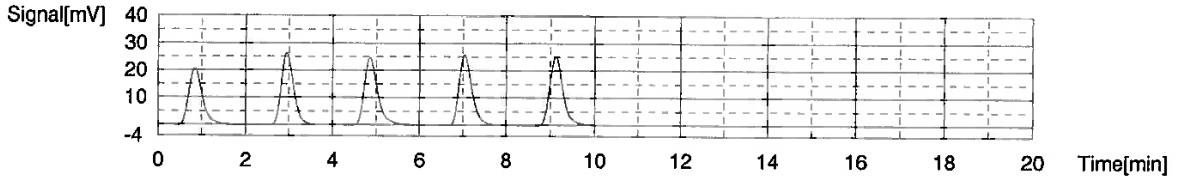
1. Det

Anal.: NPOC

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QC Reports: GN92193
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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	44.28	12.73mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:46:39 AM
2	51.85	14.95mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:48:42 AM
3	52.78	15.23mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:51:02 AM
4	52.60	15.17mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:53:13 AM
5	52.26	15.07mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 2:55:28 AM

Mean Area 52.37
Mean Conc. 15.11mg/L



Sample

Sample Name: FA98468-3
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

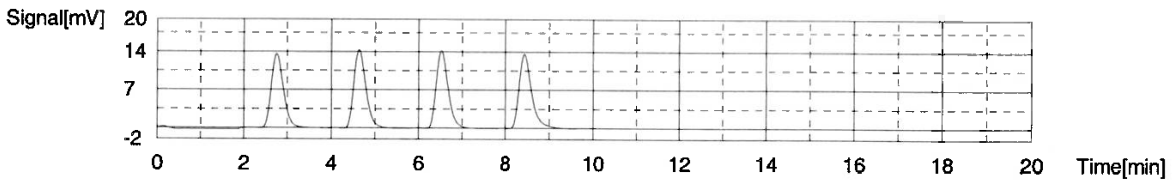
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:7.680mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.3106mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:10:06 AM
2	26.46	7.479mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:12:09 AM
3	27.62	7.821mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:14:11 AM
4	27.10	7.668mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:16:14 AM
5	27.39	7.753mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:18:24 AM

Mean Area 27.14
Mean Conc. 7.680mg/L



Sample

Sample Name: FA98468-7
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

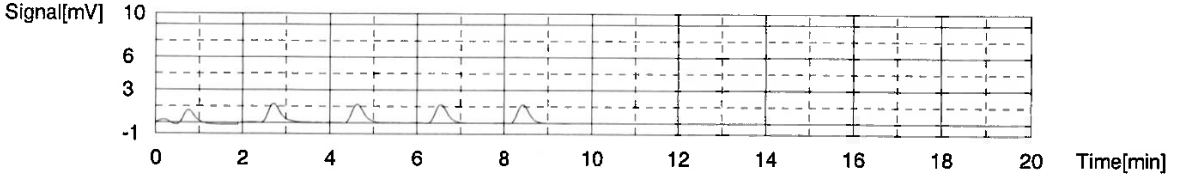
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6367mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.387	0.3922mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:33:02 AM
2	3.266	0.6509mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:35:05 AM
3	3.215	0.6359mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:37:07 AM
4	3.250	0.6462mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:39:10 AM
5	3.139	0.6136mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:41:13 AM

Mean Area 3.218
Mean Conc. 0.6367mg/L



Sample

Sample Name: FA98468-4
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

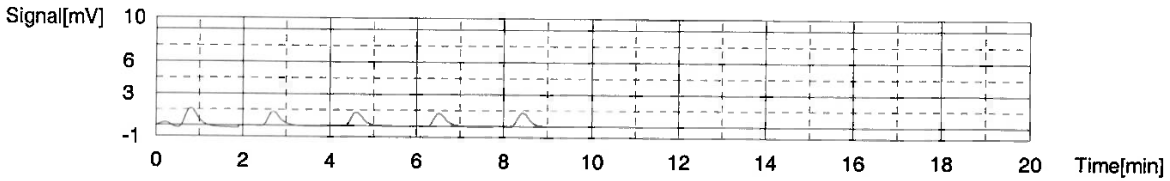
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4278mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.017	0.5776mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:55:51 AM
2	2.571	0.4463mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:57:54 AM
3	2.532	0.4349mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 3:59:57 AM
4	2.459	0.4134mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:02:00 AM
5	2.470	0.4166mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:04:03 AM

Mean Area 2.508
Mean Conc. 0.4278mg/L



Sample

Sample Name: FA98468-5
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.7771mg/L

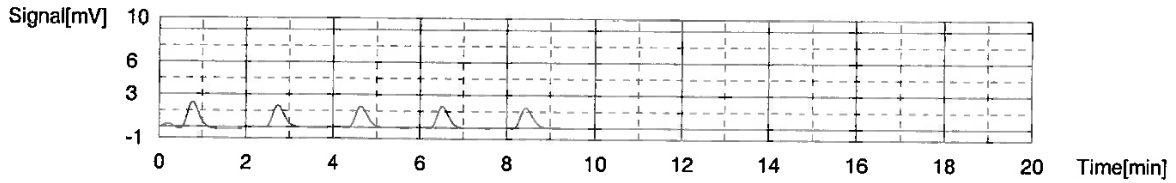
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.087	0.8926mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:18:40 AM
2	3.666	0.7687mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:20:43 AM
3	3.754	0.7946mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:22:46 AM
4	3.658	0.7664mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:24:49 AM
5	3.700	0.7787mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:26:52 AM

Mean Area 3.694
Mean Conc. 0.7771mg/L



Sample

Sample Name: FA98468-6
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.468mg/L

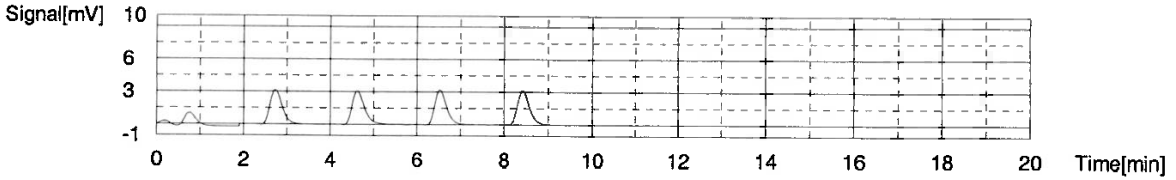
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.131	0.3168mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:41:29 AM
2	6.030	1.465mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:43:32 AM
3	6.055	1.472mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:45:35 AM
4	6.064	1.475mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:47:38 AM
5	6.013	1.460mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 4:49:41 AM

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Mean Area 6.040
Mean Conc. 1.468mg/L



Sample

Sample Name: FA98468-8
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

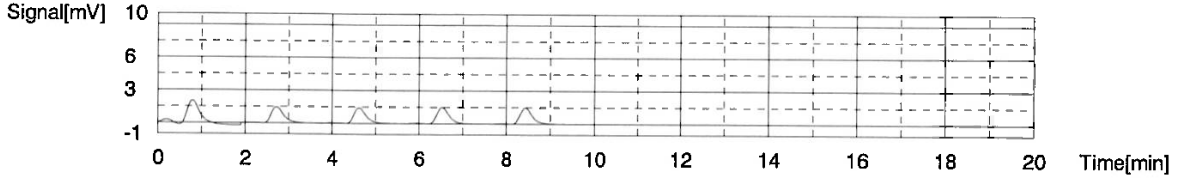
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5120mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.891	0.8349mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:04:18 AM
2	2.796	0.5126mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:06:21 AM
3	2.718	0.4896mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:08:24 AM
4	2.866	0.5332mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:10:27 AM
5	2.796	0.5126mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:12:30 AM

Mean Area 2.794
Mean Conc. 0.5120mg/L



Sample

Sample Name: FA98468-9
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

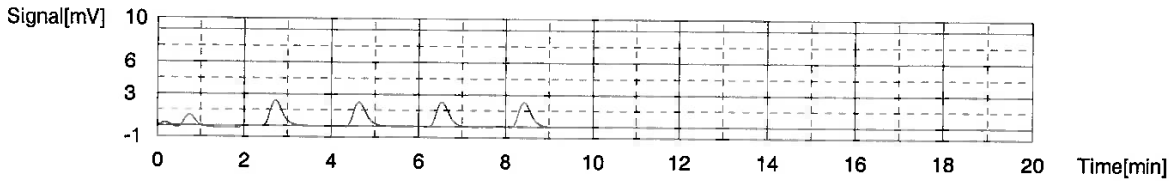
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.069mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.129	0.3162mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:27:07 AM
2	4.775	1.095mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:29:10 AM
3	4.676	1.066mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:31:13 AM
4	4.630	1.053mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:33:16 AM
5	4.667	1.063mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:35:19 AM

Mean Area 4.687
Mean Conc. 1.069mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:16.06mg/L

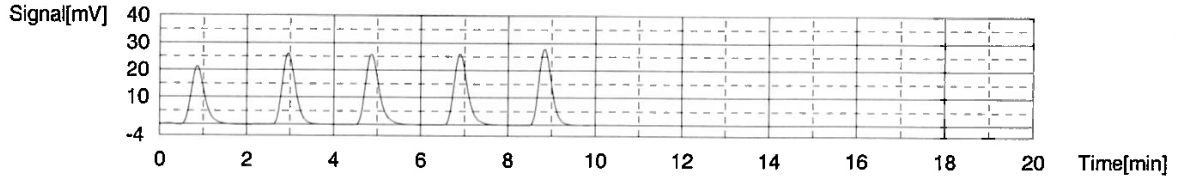
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	46.31	13.32mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:50:08 AM
2	55.05	15.90mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:52:11 AM
3	56.14	16.22mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:54:22 AM
4	55.32	15.98mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:56:28 AM
5	55.92	16.15mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 5:58:31 AM

Mean Area 55.61
Mean Conc. 16.06mg/L



Sample

Sample Name: CCB
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.00331mg/L

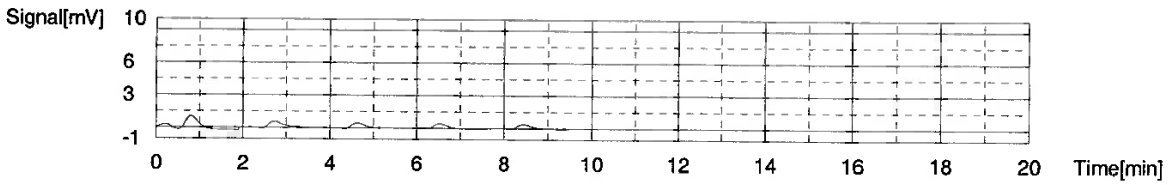
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.935	0.2591mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:13:08 AM
2	1.374	0.09394mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:15:11 AM
3	1.001	-0.01587mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:17:14 AM
4	0.9570	-0.02882mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:19:17 AM
5	0.8426	-0.06250mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:21:20 AM

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Mean Area 1.044
Mean Conc. -0.00331mg/L



Sample

Sample Name: FA98473-11
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

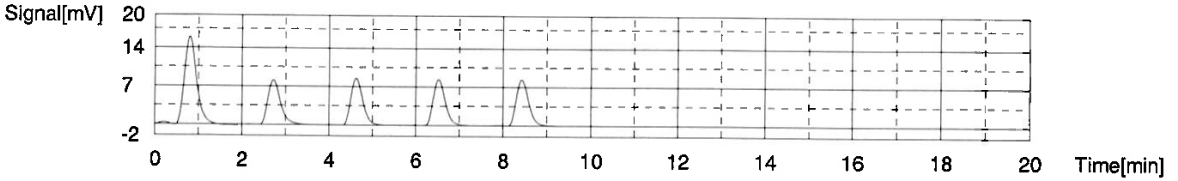
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.419mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	30.68	8.722mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:35:57 AM
2	16.04	4.412mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:38:00 AM
3	16.16	4.447mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:40:03 AM
4	16.05	4.415mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:42:06 AM
5	16.01	4.403mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:44:09 AM

Mean Area 16.07
Mean Conc. 4.419mg/L



Sample

Sample Name: GP37991-S1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

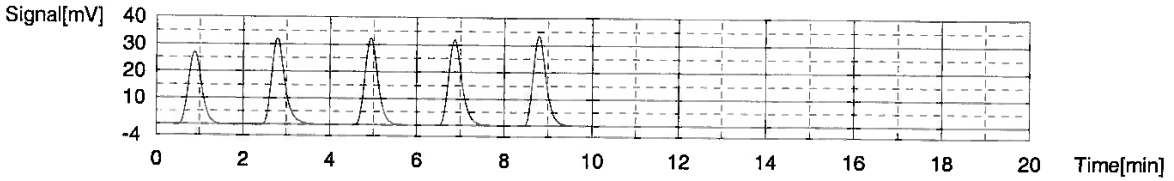
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:19.80mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	57.64	16.66mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 6:58:48 AM
2	68.19	19.76mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:01:05 AM
3	68.18	19.76mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:03:09 AM
4	68.06	19.73mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:05:15 AM
5	68.81	19.95mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:07:36 AM

Mean Area 68.31
Mean Conc. 19.80mg/L



Sample

Sample Name: GP37991-S2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:19.74mg/L

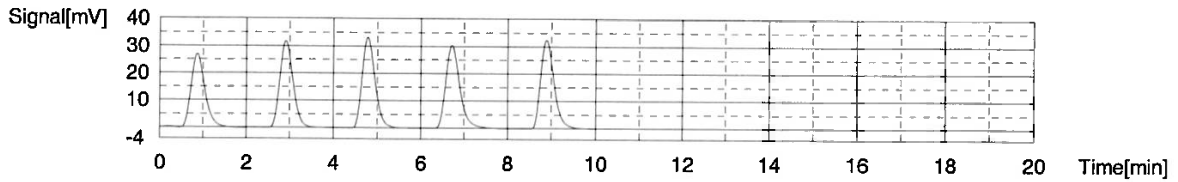
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	59.60	17.24mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:22:21 AM
2	67.28	19.50mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:24:24 AM
3	68.51	19.86mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:26:27 AM
4	69.03	20.01mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:28:49 AM
5	67.64	19.60mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:30:56 AM

Mean Area 68.12
Mean Conc. 19.74mg/L



Sample

Sample Name: FA98473-12
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.469mg/L

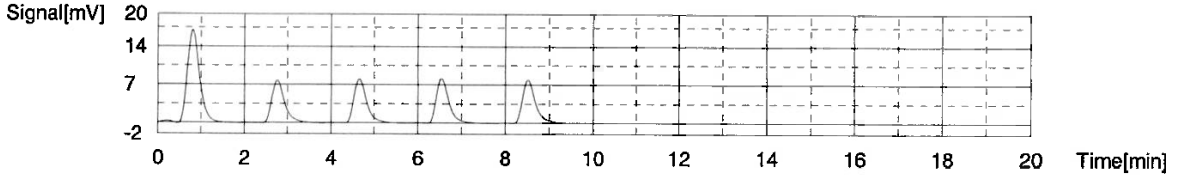
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.43	9.531mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:45:36 AM
2	16.07	4.420mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:47:39 AM
3	16.26	4.476mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:49:42 AM
4	16.16	4.447mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:51:49 AM
5	16.45	4.532mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 7:53:52 AM

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Mean Area 16.23
Mean Conc. 4.469mg/L



Sample

Sample Name: FA98474-2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

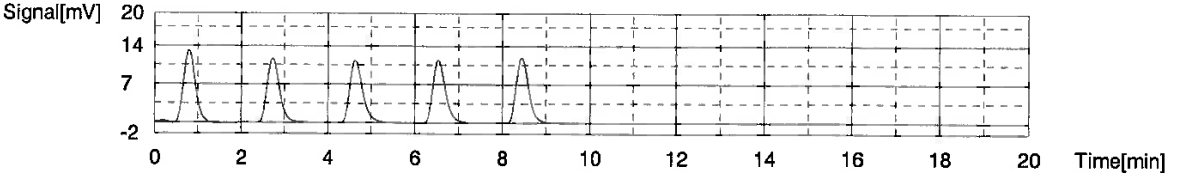
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:6.455mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	25.19	7.105mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:08:30 AM
2	23.00	6.461mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:10:33 AM
3	23.02	6.467mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:12:36 AM
4	22.72	6.378mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:14:39 AM
5	23.19	6.517mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:16:41 AM

Mean Area 22.98
Mean Conc. 6.455mg/L



Sample

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FA98431

Sample Name: GP37991-S3
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

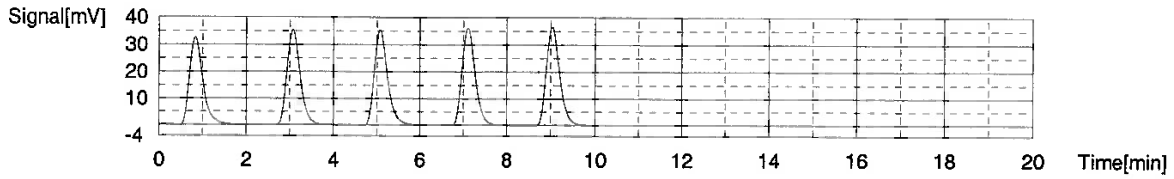
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:22.03mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	69.27	20.08mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:31:36 AM
2	74.38	21.59mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:33:46 AM
3	75.99	22.06mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:35:56 AM
4	76.43	22.19mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:38:01 AM
5	76.77	22.29mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:40:05 AM

Mean Area 75.89
Mean Conc. 22.03mg/L



Sample

Sample Name: GP37991-S4
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:21.68mg/L

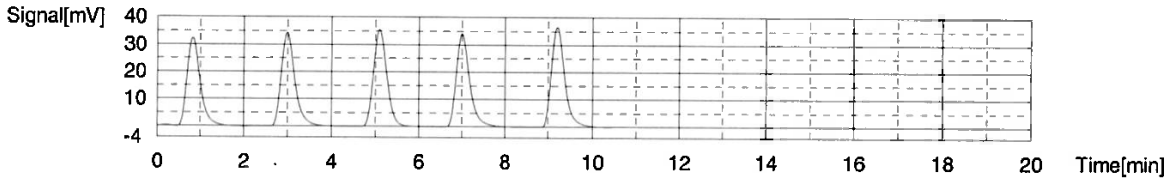
1. Det

Anal.: NPOC

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QC Reports: GN92193
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FA98431

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	68.01	19.71mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:54:57 AM
2	73.68	21.38mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:57:10 AM
3	76.02	22.07mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 8:59:15 AM
4	73.72	21.39mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:01:37 AM
5	75.41	21.89mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:03:50 AM

Mean Area 74.71
Mean Conc. 21.68mg/L



Sample

Sample Name: FA98474-3
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

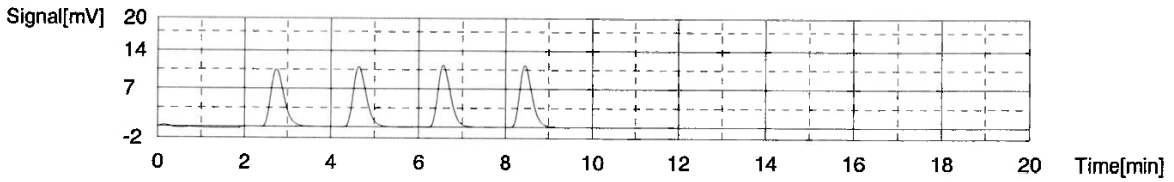
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:6.379mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.2085	-0.2492mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:18:28 AM
2	22.14	6.207mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:20:31 AM
3	22.81	6.405mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:22:34 AM
4	23.03	6.469mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:24:37 AM
5	22.91	6.434mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:26:39 AM

Mean Area 22.72
Mean Conc. 6.379mg/L



Sample

Sample Name: FA98241-1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

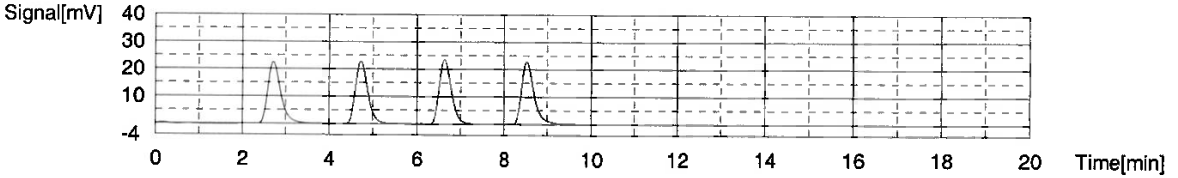
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:13.22mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.2830	-0.2272mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:41:17 AM
2	46.42	13.36mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:43:25 AM
3	44.76	12.87mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:45:28 AM
4	46.01	13.23mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:47:30 AM
5	46.64	13.42mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 9:49:52 AM

Mean Area 45.96
Mean Conc. 13.22mg/L



Sample

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Sample Name: FA98241-2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

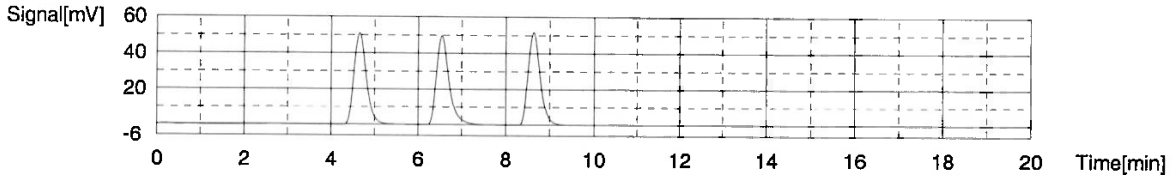
Type	Anal.	Manual Difution	Result
Unknown	NPOC	1.000	NPOC:21.96mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.3766	-0.1997mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:04:30 AM
2	0.2917	-0.2247mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:06:33 AM
3	100.9	29.39mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:08:37 AM
4	101.9	29.69mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:10:50 AM
5	99.41	28.96mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:12:53 AM

Mean Area 75.65
Mean Conc. 21.96mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

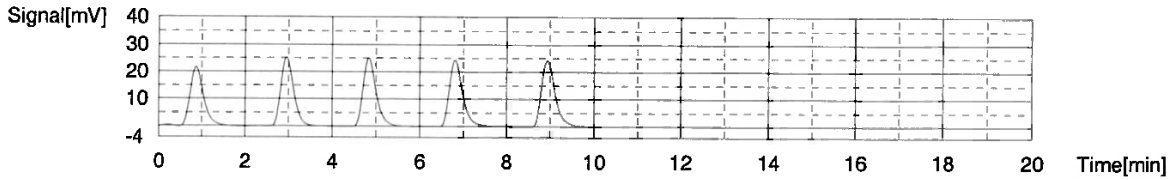
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.95mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	47.15	13.57mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:27:42 AM
2	51.88	14.96mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:29:45 AM
3	52.44	15.13mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:31:52 AM
4	51.35	14.81mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:34:07 AM
5	51.71	14.91mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:36:16 AM

Mean Area 51.85
Mean Conc. 14.95mg/L



Sample

Sample Name: CCB
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.00427mg/L

1. Det

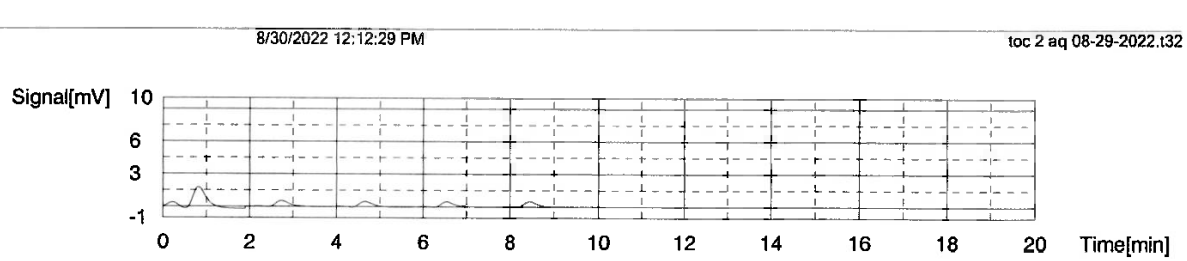
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.672	0.7705mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:50:55 AM
2	1.115	0.01769mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:52:58 AM
3	1.011	-0.01292mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:55:01 AM
4	0.9916	-0.01863mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:57:04 AM
5	1.044	-0.00321mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/30/2022 10:59:07 AM

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8/30/2022 12:12:29 PM toc 2 aq 08-29-2022.t32

Mean Area	1.040
Mean Conc.	-0.00427mg/L



Instr.Information

System	TOC-2
Instrument Options	TOC/ASI/
Catalyst	Regular Sensitivity

Cal. Curve

Sample Name:	NPOC METHOD
Sample ID:	Untitled
Cal. Curve:	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal
Status	Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.166	50uL	1	********	E	7/13/2022 5:59:44 PM
2	0.6985	50uL	1	********		7/13/2022 6:01:47 PM
3	0.6631	50uL	1	********		7/13/2022 6:03:50 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 0.6808

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.606	50uL	1	********	E	7/13/2022 6:16:52 PM
2	4.779	50uL	1	********		7/13/2022 6:18:55 PM
3	4.869	50uL	1	********		7/13/2022 6:20:58 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 4.824

Conc: 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	7.484	50uL	1	********	E	7/13/2022 6:34:00 PM
2	8.271	50uL	1	********		7/13/2022 6:36:03 PM
3	8.316	50uL	1	********		7/13/2022 6:38:06 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 8.294

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	15.19	50uL	1	********	E	7/13/2022 6:51:08 PM
2	17.47	50uL	1	********		7/13/2022 6:53:11 PM
3	17.64	50uL	1	********		7/13/2022 6:55:14 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 17.56

Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	30.73	50uL	1	********	E	7/13/2022 7:08:16 PM
2	35.29	50uL	1	********		7/13/2022 7:10:19 PM
3	35.37	50uL	1	********		7/13/2022 7:12:30 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 35.33

Conc: 20.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	57.65	50uL	1	********	E	7/13/2022 7:25:34 PM
2	68.26	50uL	1	********		7/13/2022 7:27:48 PM
3	68.50	50uL	1	********		7/13/2022 7:29:51 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 68.38

Conc: 30.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	87.35	50uL	1	********	E	7/13/2022 7:42:56 PM
2	103.2	50uL	1	********		7/13/2022 7:44:59 PM
3	103.4	50uL	1	********		7/13/2022 7:47:02 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 103.3

Slope:	3.397
Intercept	1.055
r^2	0.9999
r	0.9999
Zero Shift	No

Area 113.63

Sample

Sample Name:	ICV
Sample ID:	Untitled
Origin:	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal
Status	Completed
Chk. Result	

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.68mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	45.49	13.08mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	7/14/2022 9:46:35 AM
2	51.10	14.73mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	7/14/2022 9:48:43 AM
3	50.74	14.63mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	7/14/2022 9:50:50 AM

Mean Area	50.92
Mean Conc.	14.68mg/L

Signal[mV]

SGS Orlando, FL

WORK GROUP PRODUCT SUMMARY (wk02p)

Aug 30 2022, 12:57 pm

Work Group: GN92193 for Department: 6 General Chemistry

Created: 29-AUG-22 Due: Operator: FRIDAN Desc: b20829wl.txt

Samplenum	PREM	Acctnum	ST	Matx	Deliv	Program	Location	%Sol	TAT	Workdate H	Collected	Due Date	StatDate	Products
FA98427-1		RTILMIL	PA	GW	FULT1	DODQSM53	WI1-38,VR-31,WI3-2, SUB,WI1-17,WI3-43,M-6		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		Previous: FA98427-1FX 01-OD2-2												
FA98427-2		RTILMIL	PA	GW	FULT1	DODQSM53	WI1-38,VR-31,WI3-2, SUB,WI1-17,WI3-43,M-6		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		Previous: FA98427-2FX 01-OD2-3												
FA98427-3		RTILMIL	PA	GW	FULT1	DODQSM53	WI1-38,VR-31,WI3-2, SUB,WI1-17,WI3-43,M-6		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		Previous: FA98427-3FX 90-14												
FA98427-4		RTILMIL	PA	GW	FULT1	DODQSM53	WI1-38,VR-31,WI3-2, SUB,WI1-17,WI3-43,M-6		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		Previous: FA98427-4FX 90-16												
FA98431-1		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		ClientID: B817-MW-002-0822												
FA98431-2		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		ClientID: B817-MW-003-0822												
FA98431-3		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		ClientID: WSA-MW16-0822												
FA98431-4		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		ClientID: WSA-MW18-0822												
FA98431-5		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		ClientID: WSA-MW19-0822												
FA98431-6		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		ClientID: WSA-MW21-0822												
FA98431-7		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC
		ClientID: WSA-MW23-0822												
FA98431-8		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22	25-AUG-22 09-SEP-22			TOC

Requested By: _____ Date/Time: ___/___/___ ___:___ The Following samples have been depleted or broken: _____

Relinquished By (Sample Mgt.): _____ Received By (Lab): _____ Date/Time: ___/___/___ ___:___

Relinquished By (Lab): _____ Received By (Sample Mgt.): _____ Date/Time: ___/___/___ ___:___

SGS Orlando, FL

WORK GROUP PRODUCT SUMMARY (wk02p)

Aug 30 2022, 12:57 pm

Work Group: GN92193 for Department: 6 General Chemistry

Created: 29-AUG-22 Due: Operator: FRIDAN Desc: b20829wl.txt

Samplenum	PREM	Acctnum	ST	Matx	Deliv	Program	Location	%Sol	TAT	Workdate	H	Collected	Due Date	StatDate	Products
		ClientID: WSA-MW9-0822													
FA98431-9		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22		25-AUG-22	09-SEP-22		TOC
		ClientID: WSA-VMW17-0822													
FA98431-11		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22		25-AUG-22	09-SEP-22		TOC
		ClientID: WSA-MW16-0822-A													
FA98468-1		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: LF6MW-12-0822													
FA98468-2		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: LF6MW-39-0822													
FA98468-3		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: LF6SW-1PM-0822													
FA98468-4		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: LF6VMW-13R-0822													
FA98468-5		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: LF6VMW-13RD-0822													
FA98468-6		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: WL-LF6TW-35-0822													
FA98468-7		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: WL-LF6TW-36-0822													
FA98468-8		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: WL-LF6TW-38-0822													
FA98468-9		BHATALB	NY	GW	FULT1	DODQSM53	WI1-38,VR-34,WI1-18		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: WL-LF6VMW-26-0822													
FA98473-11		ECCLWCO	MO	GW	FULT1	DOD-QSM5	WI1-38,VR-35		14	10-SEP-22		25-AUG-22	12-SEP-22		TOC
		ClientID: 17MW125-3Q2022													
FA98473-12		ECCLWCO	MO	GW	FULT1	DOD-QSM5	WI1-38,VR-35		14	10-SEP-22		25-AUG-22	12-SEP-22		TOC
		ClientID: 17MW125-3Q2022-DUP													
FA98474-2		ECCLWCO	MO	GW	FULT1	DOD-QSM5	WI1-38,VR-35		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC

Requested By: _____ Date/Time: ___/___/___ ___:___ The Following samples have been depleted or broken: _____

Relinquished By (Sample Mgt.): _____ Received By (Lab): _____ Date/Time: ___/___/___ ___:___

Relinquished By (Lab): _____ Received By (Sample Mgt.): _____ Date/Time: ___/___/___ ___:___

SGS Orlando, FL

WORK GROUP PRODUCT SUMMARY (wk02p)

Aug 30 2022, 12:57 pm

Work Group: GN92193 for Department: 6 General Chemistry

Created: 29-AUG-22 Due: Operator: FRIDAN Desc: b20829wl.txt

Samplenum	PREM	Acctnum	ST	Matx	Deliv	Program	Location	%Sol	TAT	Workdate	H	Collected	Due Date	StatDate	Products
		ClientID: 18MW140-3Q2022													
FA98474-3		ECCLWCO	MO	GW		FULT1	DOD-QSM5 WI1-38,VR-35		14	10-SEP-22		26-AUG-22	12-SEP-22		TOC
		ClientID: 18MW140-3Q2022-DUP													
GP37990-B1		NONE								30-AUG-22			09-SEP-22		TOC
GP37990-S1		NONE								30-AUG-22			09-SEP-22		TOC
												COMMENTS:	FA98431-6		
GP37990-S2		NONE								30-AUG-22			09-SEP-22		TOC
												COMMENTS:	FA98431-6		
GP37990-MB1		NONE								30-AUG-22			09-SEP-22		TOC
GP37991-B1		NONE								30-AUG-22			09-SEP-22		TOC
GP37991-S1		NONE								30-AUG-22			09-SEP-22		TOC
												COMMENTS:	FA98473-11		
GP37991-S2		NONE								30-AUG-22			09-SEP-22		TOC
												COMMENTS:	FA98473-11		
GP37991-S3		NONE								30-AUG-22			09-SEP-22		TOC
												COMMENTS:	FA98474-2		
GP37991-S4		NONE								30-AUG-22			09-SEP-22		TOC
												COMMENTS:	FA98474-2		
GP37991-MB1		NONE								30-AUG-22			09-SEP-22		TOC

Requested By: _____ Date/Time: ___/___/___ ___:___ The Following samples have been depleted or broken: _____

Relinquished By (Sample Mgt.): _____ Received By (Lab): _____ Date/Time: ___/___/___ ___:___

Relinquished By (Lab): _____ Received By (Sample Mgt.): _____ Date/Time: ___/___/___ ___:___

TOC ANALYSIS LOG, Aqueous

DATE:	08-31-2022
ANALYST:	F. N.
INSTRUMENT:	TOC2
INST. FILE NAME:	220831w1.txt
Filter Lot#:	280635435

METHODS:	SM5310B SW846 9060A
METHOD FILE:	NPOC-MET
CALIB. DATE:	07-13-2022
GN BATCH:	GN92206

pH paper lot#	230320
pipette ID#	TU11245
pipette ID#	PU13805
pipette ID#	—

STANDARDS	
ICAL:	LIST INDIVIDUALLY IN COMMENTS
ICV:	TOC4026
CCV:	TOC4025
QC:	WC1799

Autosampler position	Sample ID	Bottle #	pH, su	Injected Volume, ml	Manual Dilution	Instrument Dilution	GP BATCH	COMMENTS
1	BLANK	—	—	50 ml	1x	1x		
2	CCV	—	1.5					
3	MB1	—	—				37995	
4	B1	—	1.5					
5	FA98431-1F	2	1.5					
6	-2F	2	1.5					SAMPLES RECEIVED
7	-3F	2	1.5					IN PRESERVED (HCL) VIALS
8	-4F	2	1.5					THEY WERE FILTERED
9	-5F	2	1.5					IN LAB PRIOR TO ANALYSIS
10	-7F	2	1.5					
11	CCV	—	1.5					
12	CCB	—	—					
13	FA98431-6F	2	1.5				37995	
14	S1(FA98431-6F)	4	1.0					
15	S2(FA98431-6F)	5	1.0					
16	FA98431-8F	2	1.5					F ⇒ LAB FILTERED.
17	-9F	2	1.5					
18	-11F	2	1.5					
19	CCV	—	1.5					
20	CCB	—	—					
					F.N. 09/01/22			

Notes: (1 of 1) DOD SAMPLES / DOC RUN.

Analyst Signature Frida N.

SGS Accutest - Orlando Organic Carbon Standards Preparation Log

SGS Std. #	Name Description	Parent Std. #	Parent Name	Parent Vendor	Parent Exp. Date	Parent Conc(mg/l)	Weight(g) / Vol.(ml) used	Bal.ID**/ pipette ID	Final Vol.(ml)	Final Conc(mg/l)	pH paper lot#	Prep. Date	Exp. Date	Initials
TOC 4014	MDL-6 1PPM	WC 1908	TOC KHP-1	INORG. VENTUR.	02/15/23	1000	mL 0.04	NU 04977	40	1.0	230 320	07/19/22	07/31/22	F.N.
TOC 4015	MDL-7 1PPM	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
TOC 4016	CCV-STD 15 PPM	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 x3 mL	TU11245	40	15.0	230320	07/22/22	08/22/22	ST
TOC 4017	CCV-STD 15 PPM	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 x2 mL	KU15244	40	15.0	230320	07/25/22	08/25/22	ST
TOC 4018	MDL-1 (L) 1PPM	WC 1908	TOC KHP-1	INORGANIC VENTURES	02/15/23	1000	0.1	NU 04977	100	1.0	230 320	07/19/22	08/19/22	F.N.
TOC 4019	MDL-2 (L) 1PPM	↓	↓	↓	↓	1000	↓	↓	100	↓	↓	↓	↓	↓
TOC 4020	MDL-3 (L) 1PPM	↓	↓	↓	↓	1000	↓	↓	100	↓	↓	↓	↓	↓
TOC 4021	MDL-4 (L) 1PPM	WC 1908	TOC KHP-1	INORG. VENTUR.	02/15/23	1000	0.1	NU 04977	100	1.0	230320	07/26/22	08/26/22	F.N.
TOC 4022	MDL-5 (L) 1PPM	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
TOC 4023	BSP (F)	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 mL	TU11245	40	15.0	230320	08/01/22	08/07/22	ST
TOC 4024	BSP	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	0.60 mL	TU11245	40	15.0	230320	08/03/22	08/10/22	ST
TOC 4025	CCV - STD 15 PPM	WC 1799	TOC KHP-1	INORGANIC VENTURES	01/03/23	1000	mL 3.75	PU 13805	250	15.0	230 320	08/16/22	09/16/22	F.N.
TOC 4026	ICV - STD 15 PPM	WC 1799	↓	↓	↓	↓	mL 3.75	↓	250	15.0	↓	08/16/22	09/16/22	F.N.

:)=TOC3

** Record ANALYTICAL balance sequential number

C:\TOC3201\Data\toc 2 aq 08-31-2022.t32

	Type	Analysis	Sample Name	Origin	Manual Dilutio	Result	Comment	Status	Date / Time	Vial
1	Unknow	NPOC	BLANK	NPOC.me	1.000	NPOC:-0.1848mg/L	SM5310B SW846 9060A	Completed	8/31/2022 12:36:57 P	1
2	Unknow	NPOC	CCV	NPOC.me	1.000	NPOC:15.25mg/L	SM5310B SW846 9060A	Completed	8/31/2022 12:59:58 P	2
3	Unknow	NPOC	GP37995-MB1	NPOC.me	1.000	NPOC:-0.07906mg/L	SM5310B SW846 9060A	Completed	8/31/2022 1:22:46 PM	3
4	Unknow	NPOC	GP37995-B1	NPOC.me	1.000	NPOC:14.04mg/L	SM5310B SW846 9060A	Completed	8/31/2022 1:45:52 PM	4
5	Unknow	NPOC	FA98431-1F	NPOC.me	1.000	NPOC:1.124mg/L	SM5310B SW846 9060A	Completed	8/31/2022 2:08:40 PM	5
6	Unknow	NPOC	FA98431-2F	NPOC.me	1.000	NPOC:0.7888mg/L	SM5310B SW846 9060A	Completed	8/31/2022 2:31:28 PM	6
7	Unknow	NPOC	FA98431-3F	NPOC.me	1.000	NPOC:1.000mg/L	SM5310B SW846 9060A	Completed	8/31/2022 2:54:16 PM	7
8	Unknow	NPOC	FA98431-4F	NPOC.me	1.000	NPOC:0.9615mg/L	SM5310B SW846 9060A	Completed	8/31/2022 3:17:48 PM	8
9	Unknow	NPOC	FA98431-5F	NPOC.me	1.000	NPOC:0.7505mg/L	SM5310B SW846 9060A	Completed	8/31/2022 3:40:36 PM	9
10	Unknow	NPOC	FA98431-7F	NPOC.me	1.000	NPOC:0.5949mg/L	SM5310B SW846 9060A	Completed	8/31/2022 4:03:24 PM	10
11	Unknow	NPOC	CCV	NPOC.me	1.000	NPOC:15.50mg/L	SM5310B SW846 9060A	Completed	8/31/2022 4:26:17 PM	11
12	Unknow	NPOC	CCB	NPOC.me	1.000	NPOC:-0.1345mg/L	SM5310B SW846 9060A	Completed	8/31/2022 4:49:05 PM	12
13	Unknow	NPOC	FA98431-6F	NPOC.me	1.000	NPOC:0.4510mg/L	SM5310B SW846 9060A	Completed	8/31/2022 5:11:58 PM	13
14	Unknow	NPOC	GP37995-S1	NPOC.me	1.000	NPOC:14.19mg/L	SM5310B SW846 9060A	Completed	8/31/2022 5:35:14 PM	14
15	Unknow	NPOC	GP37995-S2	NPOC.me	1.000	NPOC:14.88mg/L	SM5310B SW846 9060A	Completed	8/31/2022 5:58:31 PM	15
16	Unknow	NPOC	FA98431-8F	NPOC.me	1.000	NPOC:1.484mg/L	SM5310B SW846 9060A	Completed	8/31/2022 6:21:19 PM	16
17	Unknow	NPOC	FA98431-9F	NPOC.me	1.000	NPOC:0.8645mg/L	SM5310B SW846 9060A	Completed	8/31/2022 6:44:08 PM	17
18	Unknow	NPOC	FA98431-11F	NPOC.me	1.000	NPOC:1.063mg/L	SM5310B SW846 9060A	Completed	8/31/2022 7:06:55 PM	18
19	Unknow	NPOC	CCV	NPOC.me	1.000	NPOC:15.29mg/L	SM5310B SW846 9060A	Completed	8/31/2022 7:30:02 PM	19
20	Unknow	NPOC	CCB	NPOC.me	1.000	NPOC:-0.1336mg/L	SM5310B SW846 9060A	Completed	8/31/2022 7:52:50 PM	20

Instr.Information

System	TOC-2
Instrument Options	TOC/ASI/
Catalyst	Regular Sensitivity

Sample

Sample Name:	BLANK
Sample ID:	Untitled
Origin:	NPOC.met
Status	Completed
Chk. Result	

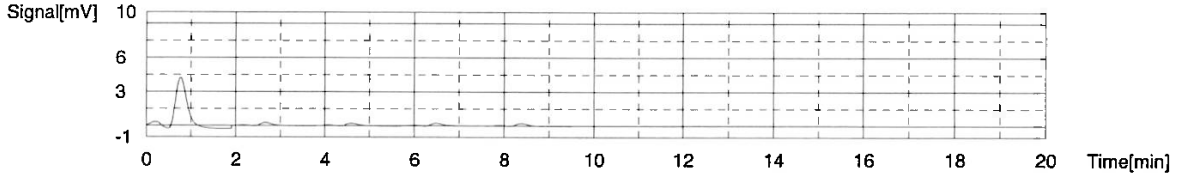
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.1848mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.872	1.713mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 12:28:45 PM
2	0.4750	-0.1707mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 12:30:48 PM
3	0.3941	-0.1945mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 12:32:51 PM
4	0.4247	-0.1855mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 12:34:54 PM
5	0.4152	-0.1883mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 12:36:57 PM

Mean Area	0.4273
Mean Conc.	-0.1848mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

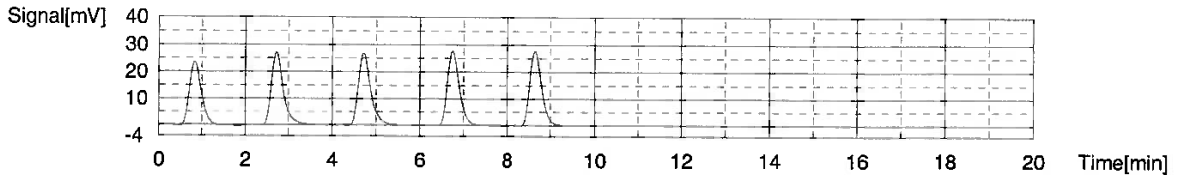
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.25mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	45.43	13.06mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 12:51:33 PM
2	52.63	15.18mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 12:53:42 PM
3	53.22	15.36mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 12:55:52 PM
4	52.89	15.26mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 12:57:55 PM
5	52.69	15.20mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 12:59:58 PM

Mean Area 52.86
Mean Conc. 15.25mg/L



Sample

Sample Name: GP37995-MB1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.07906mg/L

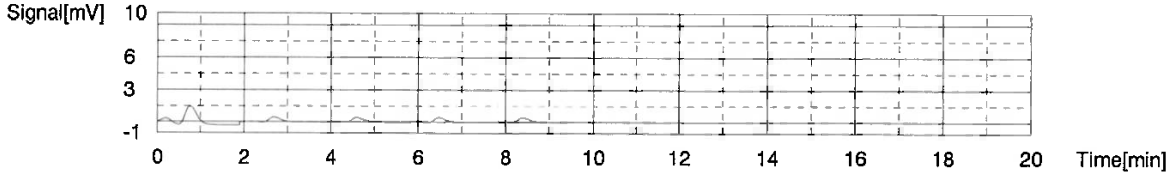
1. Det

Anal.: NPOC

Raw Data GN92206: Dissolved Organic Carbon page 5 of 23
QC Reports:
GN92206
SGS
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FA98431
11.2

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.450	0.4107mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 1:14:34 PM
2	0.8288	-0.06656mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 1:16:37 PM
3	0.7785	-0.08137mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 1:18:40 PM
4	0.7493	-0.08997mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 1:20:43 PM
5	0.7888	-0.07834mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 1:22:46 PM

Mean Area 0.7864
Mean Conc. -0.07906mg/L



Sample

Sample Name: GP37995-B1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.04mg/L

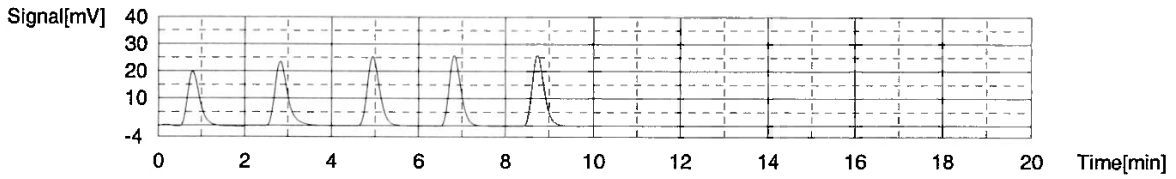
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	38.07	10.90mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 1:37:27 PM
2	47.90	13.79mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 1:39:43 PM
3	49.73	14.33mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 1:41:46 PM
4	48.26	13.90mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 1:43:49 PM
5	49.04	14.13mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 1:45:52 PM

Raw Data GN92206: Dissolved Organic Carbon page 6 of 23
QC Reports:
GN92206
SGS
1076 of 1200
FA98431
11.2

Mean Area 48.73
Mean Conc. 14.04mg/L



Sample

Sample Name: FA98431-1F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

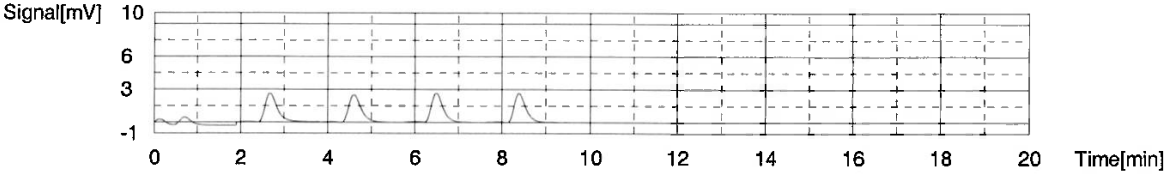
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.124mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.212	0.04625mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 2:00:28 PM
2	4.840	1.114mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 2:02:31 PM
3	4.852	1.118mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 2:04:34 PM
4	5.000	1.161mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 2:06:37 PM
5	4.805	1.104mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 2:08:40 PM

Mean Area 4.874
Mean Conc. 1.124mg/L



Sample

Raw Data GN92206: Dissolved Organic Carbon page 7 of 23
QC Reports:
GN92206
SGS
1077 of 1200
FA98431
11.2

Sample Name: FA98431-2F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

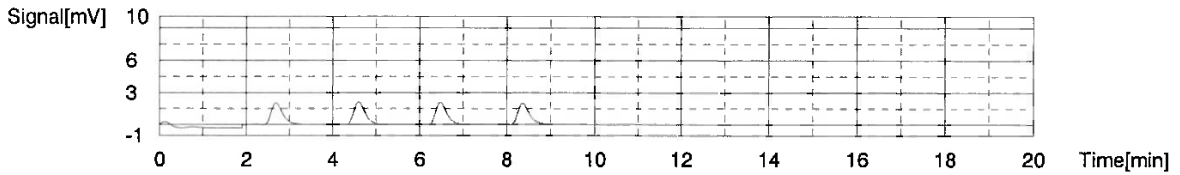
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.7888mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1276	-0.2730mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 2:23:16 PM
2	3.775	0.8008mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 2:25:19 PM
3	3.836	0.8188mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 2:27:22 PM
4	3.668	0.7693mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 2:29:25 PM
5	3.658	0.7664mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 2:31:28 PM

Mean Area 3.734
Mean Conc. 0.7888mg/L



Sample

Sample Name: FA98431-3F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.000mg/L

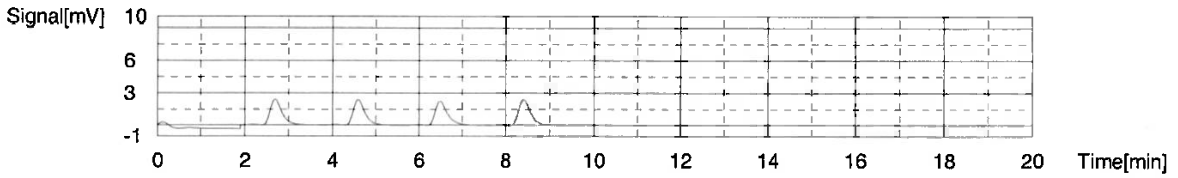
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.08190	-0.2864mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 2:46:04 PM
2	4.527	1.022mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 2:48:07 PM
3	4.399	0.9845mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 2:50:10 PM
4	4.392	0.9824mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 2:52:13 PM
5	4.491	1.012mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 2:54:16 PM

Mean Area 4.452
Mean Conc. 1.000mg/L



Sample

Sample Name: FA98431-4F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

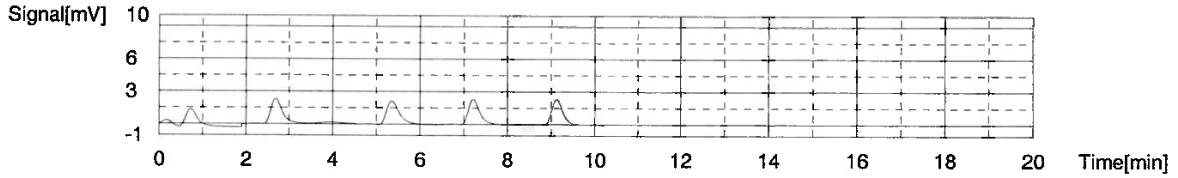
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.9615mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.752	0.4996mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 3:08:52 PM
2	4.743	1.086mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 3:11:40 PM
3	4.362	0.9736mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 3:13:42 PM
4	4.138	0.9077mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 3:15:45 PM
5	4.041	0.8791mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 3:17:48 PM

Mean Area 4.321
Mean Conc. 0.9615mg/L



Sample

Sample Name: FA98431-5F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

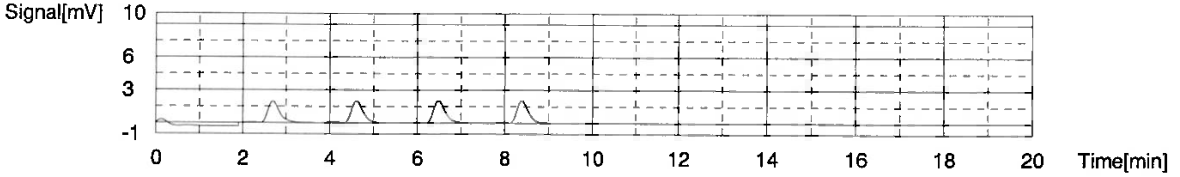
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.7505mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.3106mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 3:32:24 PM
2	3.461	0.7084mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 3:34:27 PM
3	3.645	0.7625mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 3:36:30 PM
4	3.668	0.7693mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 3:38:33 PM
5	3.643	0.7619mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 3:40:36 PM

Mean Area 3.604
Mean Conc. 0.7505mg/L



Sample

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Sample Name: FA98431-7F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

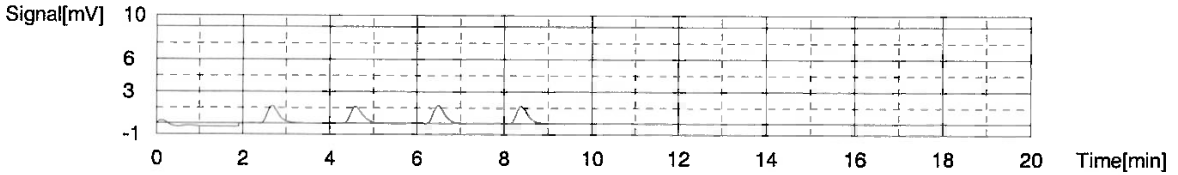
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5949mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1492	-0.2666mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 3:55:13 PM
2	3.027	0.5806mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 3:57:15 PM
3	3.144	0.6150mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 3:59:18 PM
4	3.097	0.6012mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 4:01:21 PM
5	3.034	0.5826mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 4:03:24 PM

Mean Area 3.076
Mean Conc. 0.5949mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.50mg/L

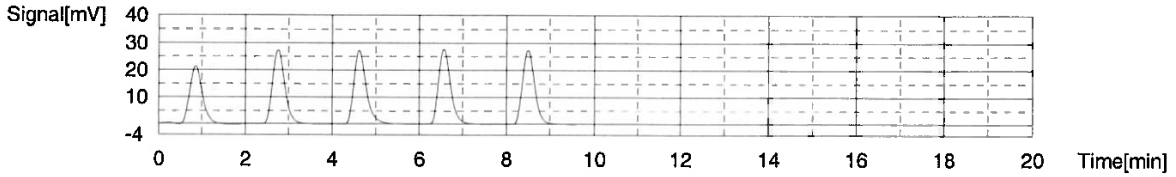
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	43.21	12.41mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 4:18:01 PM
2	53.58	15.46mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 4:20:03 PM
3	53.78	15.52mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 4:22:08 PM
4	53.55	15.45mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 4:24:11 PM
5	53.87	15.55mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 4:26:17 PM

Mean Area 53.70
Mean Conc. 15.50mg/L



Sample

Sample Name: CCB
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

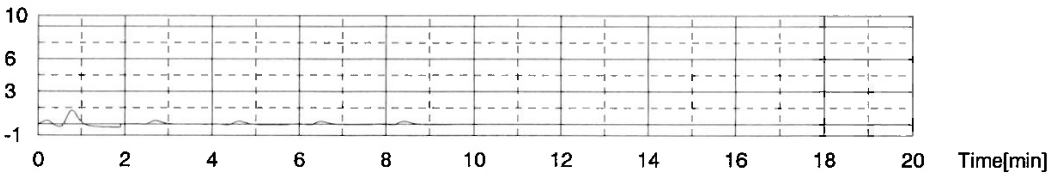
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.1345mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.097	0.3068mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 4:40:54 PM
2	0.6223	-0.1274mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 4:42:56 PM
3	0.6174	-0.1288mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 4:44:59 PM
4	0.5740	-0.1416mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 4:47:02 PM
5	0.5782	-0.1403mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 4:49:05 PM

Mean Area 0.5980
Mean Conc. -0.1345mg/L



Sample

Sample Name: FA98431-6F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

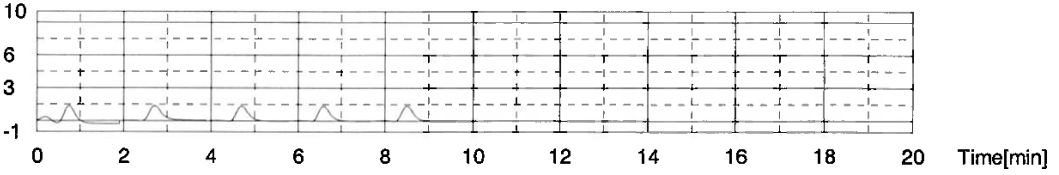
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4510mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.222	0.3436mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 5:03:42 PM
2	2.805	0.5152mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 5:05:50 PM
3	2.538	0.4366mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 5:07:52 PM
4	2.483	0.4204mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 5:09:55 PM
5	2.521	0.4316mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 5:11:58 PM

Mean Area 2.587
Mean Conc. 0.4510mg/L



Sample

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Sample Name: GP37995-S1
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

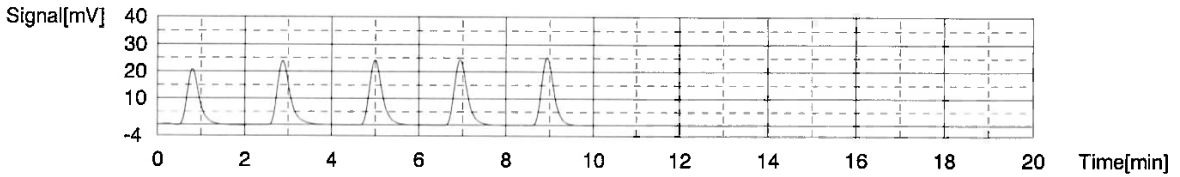
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.19mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	40.32	11.56mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 5:26:42 PM
2	49.05	14.13mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 5:28:58 PM
3	49.61	14.29mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 5:31:04 PM
4	49.02	14.12mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 5:33:12 PM
5	49.29	14.20mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 5:35:14 PM

Mean Area 49.24
Mean Conc. 14.19mg/L



Sample

Sample Name: GP37995-S2
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.88mg/L

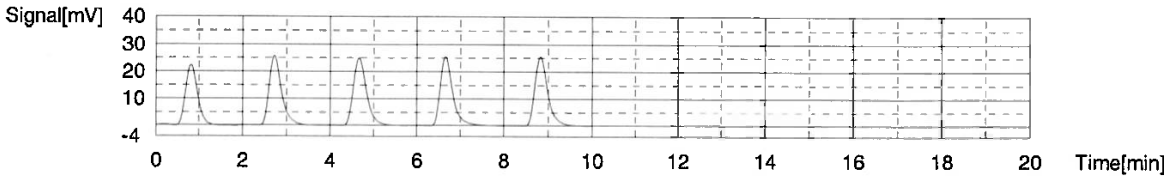
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.93	12.33mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 5:49:51 PM
2	51.05	14.72mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 5:51:54 PM
3	52.67	15.20mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 5:54:06 PM
4	50.71	14.62mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 5:56:22 PM
5	51.90	14.97mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 5:58:31 PM

Mean Area 51.58
Mean Conc. 14.88mg/L



Sample

Sample Name: FA98431-8F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

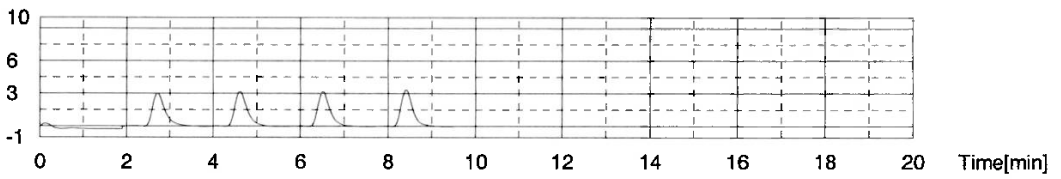
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.484mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.3106mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 6:13:08 PM
2	5.908	1.429mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 6:15:11 PM
3	6.186	1.511mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 6:17:14 PM
4	6.128	1.494mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 6:19:17 PM
5	6.166	1.505mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 6:21:19 PM

Mean Area 6.097
Mean Conc. 1.484mg/L



Sample

Sample Name: FA98431-9F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

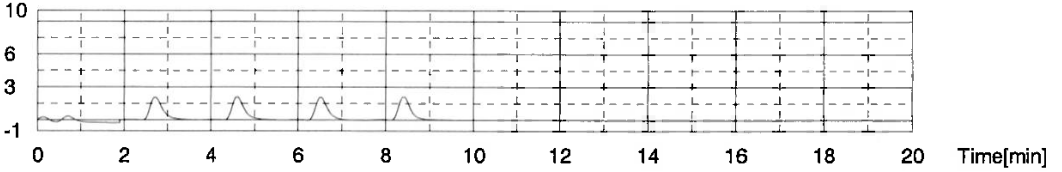
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.8645mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9951	-0.01760mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 6:35:56 PM
2	4.029	0.8756mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 6:37:59 PM
3	4.028	0.8753mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 6:40:02 PM
4	3.974	0.8594mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 6:42:05 PM
5	3.934	0.8476mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 6:44:08 PM

Mean Area 3.991
Mean Conc. 0.8645mg/L



Sample

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Sample Name: FA98431-11F
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

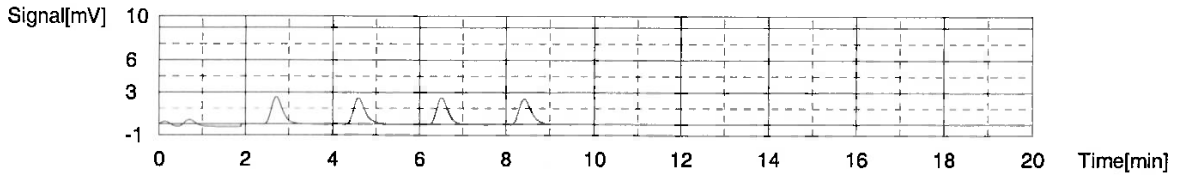
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.063mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.076	0.00621mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 6:58:44 PM
2	4.689	1.070mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 7:00:47 PM
3	4.682	1.068mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 7:02:50 PM
4	4.551	1.029mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 7:04:53 PM
5	4.746	1.087mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 7:06:55 PM

Mean Area 4.667
Mean Conc. 1.063mg/L



Sample

Sample Name: CCV
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.29mg/L

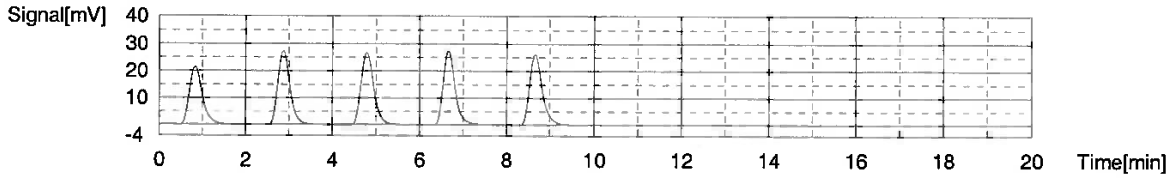
1. Det

Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	45.12	12.97mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 7:21:40 PM
2	52.07	15.02mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 7:23:43 PM
3	53.42	15.42mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 7:25:46 PM
4	52.52	15.15mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 7:27:54 PM
5	54.02	15.59mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 7:30:02 PM

Mean Area 53.01
Mean Conc. 15.29mg/L



Sample

Sample Name: CCB
Sample ID: Untitled
Origin: NPOC.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.1336mg/L

1. Det

Anal.: NPOC

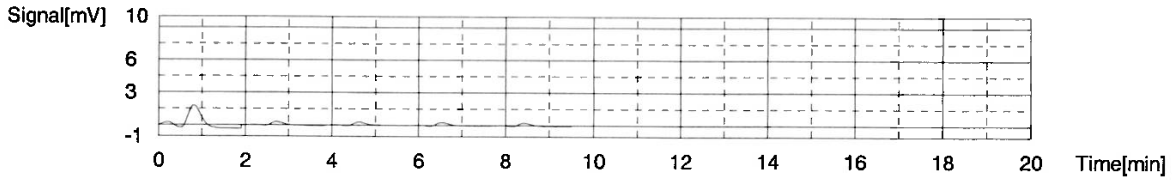
No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.462	0.7086mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 7:44:38 PM
2	0.6054	-0.1323mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 7:46:41 PM
3	0.6199	-0.1281mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 7:48:44 PM
4	0.6226	-0.1273mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 7:50:47 PM
5	0.5568	-0.1466mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal	8/31/2022 7:52:50 PM

Raw Data GN92206: Dissolved Organic Carbon page 18 of 23
QC Reports:
GN92206
SGS
1088 of 1200
FA98431
11.2

9/1/2022 9:39:35 AM

toc 2 aq 08-31-2022.t32

Mean Area	0.6012
Mean Conc.	-0.1336mg/L



16/16

Instr.Information

System	TOC-2
Instrument Options	TOC/ASI/
Catalyst	Regular Sensitivity

Cal. Curve

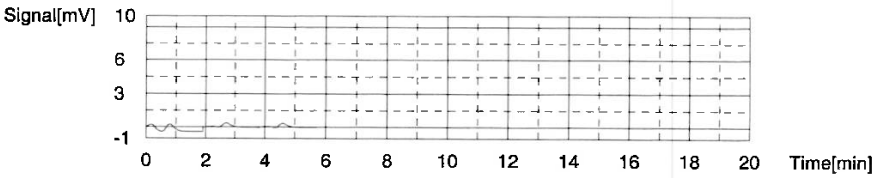
Sample Name:	NPOC METHOD
Sample ID:	Untitled
Cal. Curve:	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal
Status	Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.166	50uL	1	*******	E	7/13/2022 5:59:44 PM
2	0.6985	50uL	1	*******		7/13/2022 6:01:47 PM
3	0.6631	50uL	1	*******		7/13/2022 6:03:50 PM

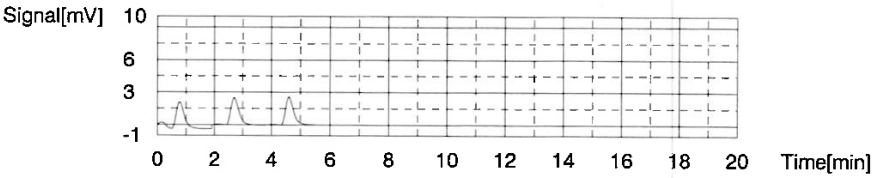
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 0.6808



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.606	50uL	1	*******	E	7/13/2022 6:16:52 PM
2	4.779	50uL	1	*******		7/13/2022 6:18:55 PM
3	4.869	50uL	1	*******		7/13/2022 6:20:58 PM

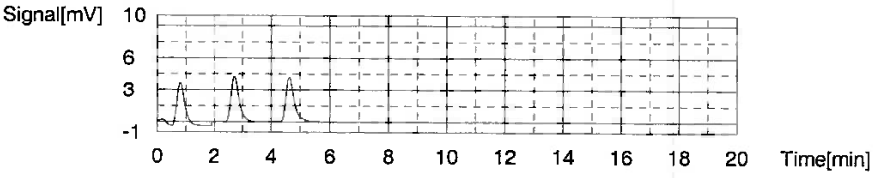
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 4.824



Conc: 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	7.484	50uL	1	*******	E	7/13/2022 6:34:00 PM
2	8.271	50uL	1	*******		7/13/2022 6:36:03 PM
3	8.316	50uL	1	*******		7/13/2022 6:38:06 PM

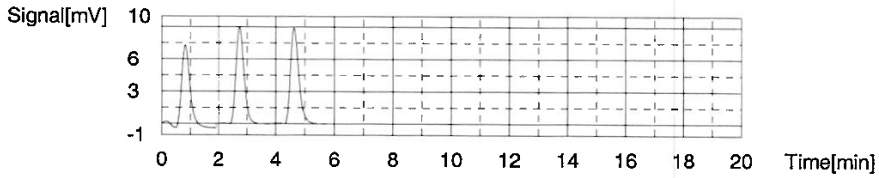
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 8.294



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	15.19	50uL	1	*******	E	7/13/2022 6:51:08 PM
2	17.47	50uL	1	*******		7/13/2022 6:53:11 PM
3	17.64	50uL	1	*******		7/13/2022 6:55:14 PM

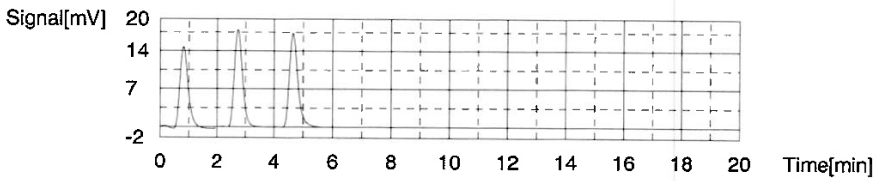
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 17.56



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	30.73	50uL	1	*******	E	7/13/2022 7:08:16 PM
2	35.29	50uL	1	*******		7/13/2022 7:10:19 PM
3	35.37	50uL	1	*******		7/13/2022 7:12:30 PM

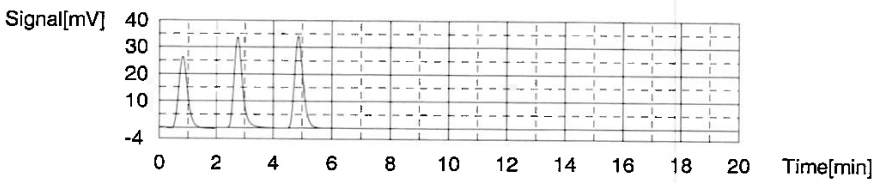
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 35.33



Conc: 20.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	57.65	50uL	1	*******	E	7/13/2022 7:25:34 PM
2	68.26	50uL	1	*******		7/13/2022 7:27:48 PM
3	68.50	50uL	1	*******		7/13/2022 7:29:51 PM

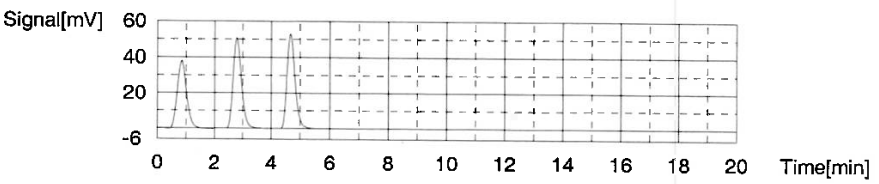
Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 68.38



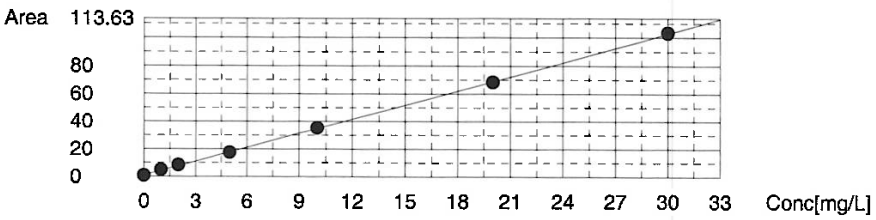
Conc: 30.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	87.35	50uL	1	*******	E	7/13/2022 7:42:56 PM
2	103.2	50uL	1	*******		7/13/2022 7:44:59 PM
3	103.4	50uL	1	*******		7/13/2022 7:47:02 PM

Acid Add. 0.000%
Sp. Time 360.0sec
Mean Area 103.3



Slope:	3.397
Intercept	1.055
r^2	0.9999
r	0.9999
Zero Shift	No



Sample

Sample Name:	ICV
Sample ID:	Untitled
Origin:	toc 2 aq cal-curve 07-13-2022.2022_07_13_17_46_30.cal
Status	Completed
Chk. Result	

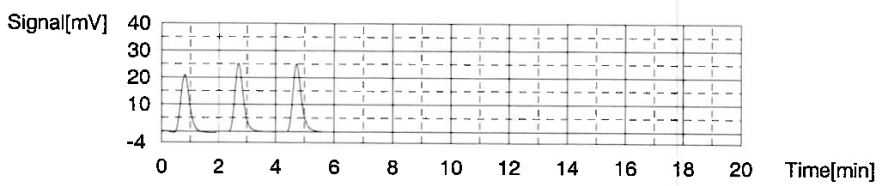
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:14.68mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	45.49	13.08mg/L	50uL	1	E	toc 2 aq cal-curve 07-13-2022.2022_07_13_17	7/14/2022 9:46:35 AM
2	51.10	14.73mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17	7/14/2022 9:48:43 AM
3	50.74	14.63mg/L	50uL	1		toc 2 aq cal-curve 07-13-2022.2022_07_13_17	7/14/2022 9:50:50 AM

Mean Area	50.92
Mean Conc.	14.68mg/L



SGS Orlando, FL

WORK GROUP PRODUCT SUMMARY (wk02p)

Sep 01 2022, 12:38 pm

Work Group: GN92206 for Department: 6 General Chemistry

Created: 31-AUG-22 Due: Operator: FRIDAN Desc: b20831w1.txt

Samplenum	PREM	Acctnum	ST	Matx	Deliv	Program	Location	%Sol	TAT	Workdate	H	Collected	Due Date	StatDate	Products
FA98431-1F		BHATALB	NY	GWF	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22		25-AUG-22	09-SEP-22		DOC
		ClientID: B817-MW-002-0822													
FA98431-2F		BHATALB	NY	GWF	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22		25-AUG-22	09-SEP-22		DOC
		ClientID: B817-MW-003-0822													
FA98431-3F		BHATALB	NY	GWF	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22		25-AUG-22	09-SEP-22		DOC
		ClientID: WSA-MW16-0822													
FA98431-4F		BHATALB	NY	GWF	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22		25-AUG-22	09-SEP-22		DOC
		ClientID: WSA-MW18-0822													
FA98431-5F		BHATALB	NY	GWF	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22		25-AUG-22	09-SEP-22		DOC
		ClientID: WSA-MW19-0822													
FA98431-6F		BHATALB	NY	GWF	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22		25-AUG-22	09-SEP-22		DOC
		ClientID: WSA-MW21-0822													
FA98431-7F		BHATALB	NY	GWF	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22		25-AUG-22	09-SEP-22		DOC
		ClientID: WSA-MW23-0822													
FA98431-8F		BHATALB	NY	GWF	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22		25-AUG-22	09-SEP-22		DOC
		ClientID: WSA-MW9-0822													
FA98431-9F		BHATALB	NY	GWF	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22		25-AUG-22	09-SEP-22		DOC
		ClientID: WSA-VMW17-0822													
FA98431-11F		BHATALB	NY	GWF	FULT1	DODQSM53	WI1-38,VR-32,WI1-17		14	07-SEP-22		25-AUG-22	09-SEP-22		DOC
		ClientID: WSA-MW16-0822-A													
GP37995-B1		NONE								01-SEP-22			09-SEP-22		DOC
GP37995-S1		NONE								01-SEP-22			09-SEP-22		DOC
												COMMENTS:	FA98431-6F		
GP37995-S2		NONE								01-SEP-22			09-SEP-22		DOC
												COMMENTS:	FA98431-6F		
GP37995-MB1		NONE								01-SEP-22			09-SEP-22		DOC

Requested By: _____ Date/Time: ___/___/___ ___:___ The Following samples have been depleted or broken: _____

Relinquished By (Sample Mgt.): _____ Received By (Lab): _____ Date/Time: ___/___/___ ___:___

Relinquished By (Lab): _____ Received By (Sample Mgt.): _____ Date/Time: ___/___/___ ___:___

IC STANDARDS PREP LOG

STANDARD NAME	ANALYTES	STOCK MFG. #	STOCK LOT #	STOCK EXP. DATE	STOCK CONC. (mg/l)	VOLUME ADDED (ml)	TOTAL VOLUME (ml)	STANDARD CONC. (mg/l)	PREP DATE	INITIALS	STD LOT #	EXP. DATE
BI	NO_2/NO_3	LC013973/4	Ref	8-31-22	100	1.25	50	2.5	8-30-22	JR	LC013976	8-31-22
↓	SO_4	GN33802	↓	9-30-22	1000	2.5	↓	50	↓	↓	↓	↓
↓	Cl	↓ 3	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
↓	F	WC1893	Ianchem	12-28-23	↓	0.125	↓	2.5	↓	↓	↓	↓
↓	PO_4	WC1862	Inorganics	10-6-22	↓	↓	↓	↓	↓	↓	↓	↓
↓	Br	GN33804	Ref	9-30-22	↓	0.5	↓	10	↓	↓	↓	↓
Std 10	NO_2/NO_3	LC013971/2	Ref	8-31-22	100	5	↓	10	↓	↓	LC013977	↓
↓	SO_4	WC1955	LGC	5-1-23	1000	↓	↓	100	↓	↓	↓	↓
↓	Cl	53	fisher	5-1-24	↓	↓	↓	↓	↓	↓	↓	↓
↓	F	70	LGC	6-30-23	↓	0.5	↓	10	↓	↓	↓	↓
↓	PO_4	29	Spex	4-30-23	↓	↓	↓	↓	↓	↓	↓	↓
↓	Br	↓ 68	↓	6-30-23	↓	1	↓	20	↓	↓	↓	↓
$1°NO_2$	WC1949	NO_2	Ricca	10-1-22	1000	2.5	25	100	8-31-22	JR	LC013978	9-1-22
$1°NO_3$	1899	NO_3	Absolute	11-3-24	↓	↓	↓	↓	↓	↓	79	↓
$2°NO_2$	1975	NO_2	↓	5-18-24	↓	↓	↓	↓	↓	↓	80	↓
$2°NO_3$	↓ R176	NO_3	↓	5-12-25	↓	↓	↓	↓	↓	↓	81	↓
CW	NO_2/NO_3	LC013978/6	Ref	9-1-22	100	5	200	2.5	↓	↓	LC013982	↓
↓	SO_4	WC1955	LGC	5-1-23	1000	10	↓	50	↓	↓	↓	↓
↓	Cl	53	fisher	5-1-24	↓	↓	↓	↓	↓	↓	↓	↓
↓	F	70	LGC	6-30-23	↓	0.5	↓	2.5	↓	↓	↓	↓
↓	Br	↓ 68	Spex	↓	↓	2	↓	10	↓	↓	↓	↓
BI	NO_2/NO_3	LC013980/1	Ref	9-1-22	100	1.25	50	2.5	↓	↓	LC013983	↓
↓	SO_4	GN33802	↓	9-30-22	1000	2.5	↓	50	↓	↓	↓	↓
↓	Cl	↓ 3	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
↓	F	LC013907	↓	↓	100	1.25	↓	2.5	↓	↓	↓	↓
↓	Br	GN33804	↓	↓	1000	0.5	↓	10	↓	↓	↓	↓
Std 10	NO_2/NO_3	LC013978/9	↓	9-1-22	100	5	↓	10	↓	↓	LC013984	↓
↓	SO_4	WC1955	LGC	5-1-23	1000	↓	↓	100	↓	↓	↓	↓
↓	Cl	53	fisher	5-1-24	↓	↓	↓	↓	↓	↓	↓	↓
↓	F	70	LGC	6-30-23	↓	0.5	↓	10	↓	↓	↓	↓
↓	Br	↓ 68	Spex	↓	↓	1	↓	20	↓	↓	↓	↓

IC Instrument Log

Method: EPA300.0 / SW846 9056A (circle one)

Date:	9/1/22 0931
Analyst:	JR
Instrument:	#4
Inst. File Name:	420220901O1.c\SV

Prep Batchs:	393001/2
Analytical Batch:	9 2228
Calibration Date:	8/31/22
Pump pressure:	10.12 MPa

Vial lot#	~~686525~~ 686254 E234169 9/1/22
Cap lot#	
Syringe lot#	
Filter lot#	

Standards	
ICAL:	
ICV:	
CCV:	1C013982
QC:	↓ 3

*JR 9/1/22

Sample#	Bot#	Matrix	Scon	DF	Filter (y/n)	Ions Needed: F	Cl	NO2	Br	NO3	SO4	Results OK or Dilution Needed: (1) F	Cl	NO2	Br	NO3	SO4	Comments
Rinse																		
* MB1 CLN	-	AQ	-	1	N													(1) OK unless marked
B1 MB1	-		-															
B1	-		-															
FA98516-1	3		(2)															
-1S1																		
-1S2				↓														
-2				10														
-3				1														
-4																		
-5	↓		↓															
FA98363-1	2		-															
LLW	-		-															
CLB	-		-															
FA98464-1	9		473															
-2			594	↓														
↓ -3	↓		968	5														
FA98427-1Fx	23		981 N	1														
-2Fx			230 N															
-3Fx			197															
↓ -4Fx	↓		439	↓														
FA98587-1	10		2.1mS	10														
-1S3																		
↓ -1S4	↓		↓	↓														
LLW	-		-	1														
CLB	-		-	↓														
FA98587-2	9		714	5														
-3	10		617 N	↓														
↓ -5	↓	↓	10mS	100	↓								RR			RR	2R	RR @ 10x dil.

IC Instrument Log

Method: EPA300.0 / SW846 9056A (circle one)

Date:	9/1/22 (1 and 2)
Analyst:	
Instrument:	
Inst. File Name:	

Prep Batchs:	
Analytical Batch:	
Calibration Date:	
Pump pressure:	

Vial lot#	
Cap lot#	
Syringe lot#	
Filter lot#	

Standards	
ICAL:	
ICV:	
CCV:	
QC:	

Sample#	Bot#	Matrix	Scon	DF	Filter (y/n)	Ions Needed F	Cl	NO2	Br	NO3	SO4	Results OK or Dilution Needed F	Cl	NO2	Br	NO3	SO4	Comments
FA98587-7	11	AQ	3mS	25	H		—			—	—							
-8	↓		2.9mS	10			—			—	—							
↓ -9	↓		2.1mS	↓			—			—	—							
MBI	-		-	1			—				—							
BI	-		-	↓			—				—							
FA98314-1	4		8.6mS	100			—											
FA98317-1	1		14mS	↓			—				—							
CW	-		-	1			—				—							
CCB	-		-	↓			—				—							
FA98317-2	1		14mS	100			—				—							
FA98374-1	4		12.8pS	1			—				—							
-1S1			↓	↓			—				—							
-1S2							—				—							
-2			53pS				—				—							
-3			47pS				—				—							
-4			30pS	↓			—				—							
-5			(elute)	5			—				—							
-6			5.9mS	50			—				—		RR					
-7	↓		926pS	10			—				—		RR					
CW	-		-	1			—				—							
CCB	-		-	↓			—				—							
FA98376e-1	1		13mS	100			—				—						RR	RR @ 50x
~~FA98431-2~~ (1)	↓		↓	↓			—				—							(1) FA98376e-2
FA98431-1			373pS	1			—				—							
-2			246pS				—				—							
-3			339pS				—				—							
-4			209pS				—				—							
-5		↓	355pS	↓			—				—							

(2) Dark purple color - RR @ 5x

IC Instrument Log

Method: EPA300.0 / SW846 9056A (circle one)

JE 9/1/22

Date:	JE 9/1/22 (cont.)
Analyst:	
Instrument:	
Inst. File Name:	

Prep Batchs:	
Analytical Batch:	
Calibration Date:	
Pump pressure:	

Vial lot#	
Cap lot#	
Syringe lot#	
Filter lot#	

Standards	
ICAL:	
ICV:	
CCV:	
QC:	

Sample#	Bot#	Matrix	Scon	DF	Filter (y/n)	Ions Needed F	Cl	NO2	Br	NO3	SO4	Results OK or Dilution Needed F	Cl	NO2	Br	NO3	SO4	Comments
FA98431-553	10	AQ	355	1	N		—				—							
↓ -554	↓		↓				—				—							
↓ -559	↓		351				—				—							
CCV	-		-				—				—							
CCB	-		-				—				—							
FA98431-7	9		349				—				—							
↓ -8	10		323				—				—							
CCV	-		-				—				—							
CCB	-	↓	-	↓	↓		—				—							

JE 9/2/22

MagIC Net

2022-09-02 2:34:09

Sample data

Ident	STDK	
Sample type	Standard 10	
Determination start	2022-08-31 12:59:37 UTC-4	
Method	SGS In-Vial Anions191003A	
Operator	JR	

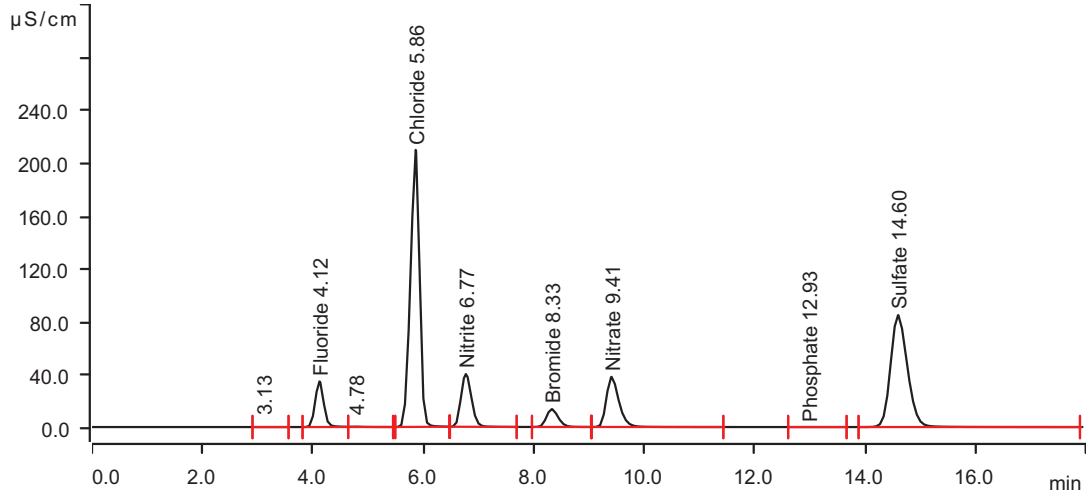
Anions

Data source	Conductivity detector 1 (930 Compact IC Flex 1)	
Channel	Conductivity	
Recording time	18.0	min
Integration	Automatically	
Column type	Metrosep A Supp 5 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	10.12	MPa
Maximum pressure monitored	yes	
Temperature	30.0	°C

MagIC Net

2022-09-02 2:34:09

Anions

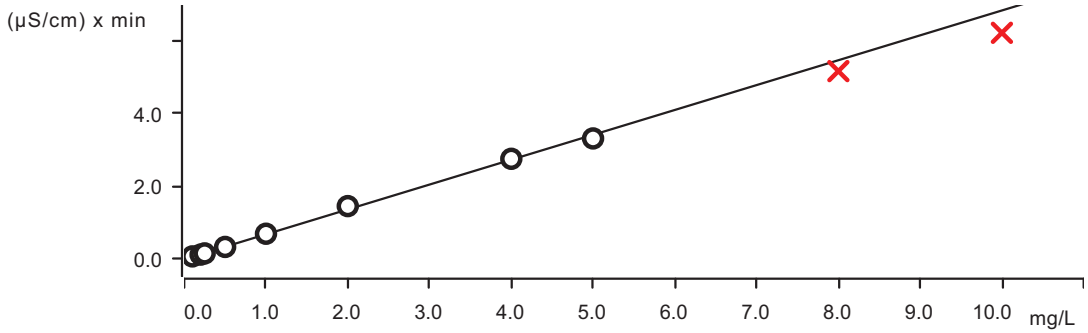


Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration mg/L	Component name
1	3.125	0.0012	0.004	invalid	
2	4.120	6.2326	34.422	9.102	Fluoride
3	4.778	0.0770	0.255	invalid	
4	5.862	40.0203	209.010	99.854	Chloride
5	6.770	8.7458	39.773	9.480	Nitrite
6	8.325	3.3401	13.471	20.316	Bromide
7	9.408	9.9542	37.813	10.054	Nitrate
8	12.928	0.0013	0.003	-5.343	Phosphate
9	14.595	29.8820	84.448	99.325	Sulfate

MagIC Net

2022-09-02 2:34:09

Fluoride (Anions)



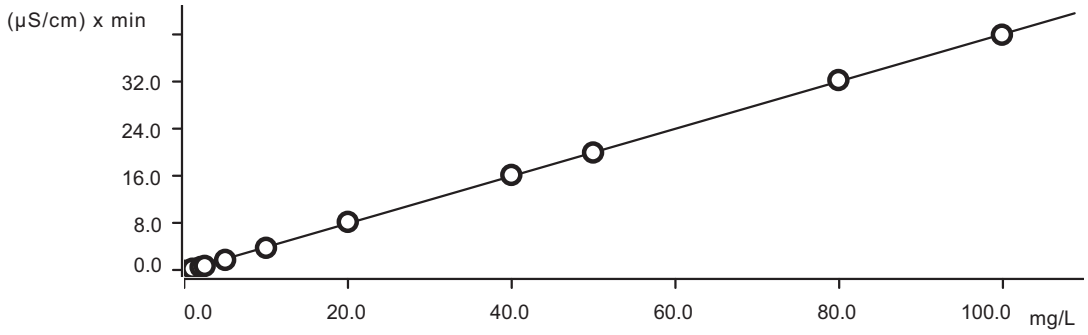
Function: . . . . . *A = - 0.0228114 + 0.0343632× Q*

Relative standard deviation . . . . . *5.203924 %*

Correlation coefficient *0.999149*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-08-31 09:24:19 UTC-4
Standard 1	1	0.100	20.0	1.0	1.0	0.0540	STDB	2022-08-31 09:50:02 UTC-4
Standard 2	1	0.200	20.0	1.0	1.0	0.1031	STDC	2022-08-31 10:11:07 UTC-4
Standard 3	1	0.250	20.0	1.0	1.0	0.1369	STDD	2022-08-31 10:32:12 UTC-4
Standard 4	1	0.500	20.0	1.0	1.0	0.3157	STDE	2022-08-31 10:53:17 UTC-4
Standard 5	1	1.000	20.0	1.0	1.0	0.6804	STDF	2022-08-31 11:14:20 UTC-4
Standard 6	1	2.000	20.0	1.0	1.0	1.4441	STDG	2022-08-31 11:35:24 UTC-4
Standard 7	1	4.000	20.0	1.0	1.0	2.7511	STDH	2022-08-31 11:56:27 UTC-4
Standard 8	1	5.000	20.0	1.0	1.0	3.3141	STDI	2022-08-31 12:17:31 UTC-4
Standard 9	1	8.000	20.0	1.0	1.0	5.1743	STDJ	2022-08-31 12:38:34 UTC-4
Standard 10	1	10.000	20.0	1.0	1.0	6.2326	STDK	2022-08-31 12:59:37 UTC-4

Chloride (Anions)



MagIC Net

2022-09-02 2:34:09

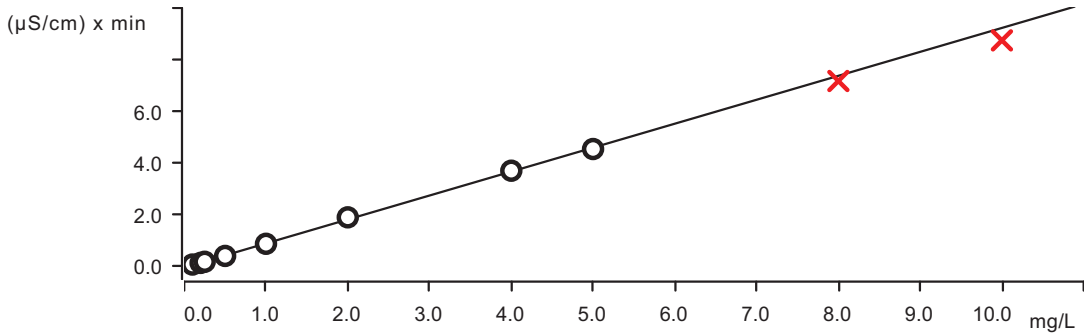
Function: . . . . . *A = 7.90932E-4 + 0.0200390× Q*

Relative standard deviation . . . . . *1.606451 %*

Correlation coefficient *0.999925*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	0.0021	STDA	2022-08-31 09:24:19 UTC-4
Standard 1	1	1.000	20.0	1.0	1.0	0.3555	STDB	2022-08-31 09:50:02 UTC-4
Standard 2	1	2.000	20.0	1.0	1.0	0.6446	STDC	2022-08-31 10:11:07 UTC-4
Standard 3	1	2.500	20.0	1.0	1.0	0.8365	STDD	2022-08-31 10:32:12 UTC-4
Standard 4	1	5.000	20.0	1.0	1.0	1.8535	STDE	2022-08-31 10:53:17 UTC-4
Standard 5	1	10.000	20.0	1.0	1.0	3.9002	STDF	2022-08-31 11:14:20 UTC-4
Standard 6	1	20.000	20.0	1.0	1.0	8.2978	STDG	2022-08-31 11:35:24 UTC-4
Standard 7	1	40.000	20.0	1.0	1.0	16.2573	STDH	2022-08-31 11:56:27 UTC-4
Standard 8	1	50.000	20.0	1.0	1.0	20.0549	STDI	2022-08-31 12:17:31 UTC-4
Standard 9	1	80.000	20.0	1.0	1.0	32.3369	STDJ	2022-08-31 12:38:34 UTC-4
Standard 10	1	100.000	20.0	1.0	1.0	40.0203	STDK	2022-08-31 12:59:37 UTC-4

Nitrite (Anions)



Function: . . . . . *A = - 0.0348278 + 0.0463109× Q*

Relative standard deviation . . . . . *3.049508 %*

Correlation coefficient *0.999717*

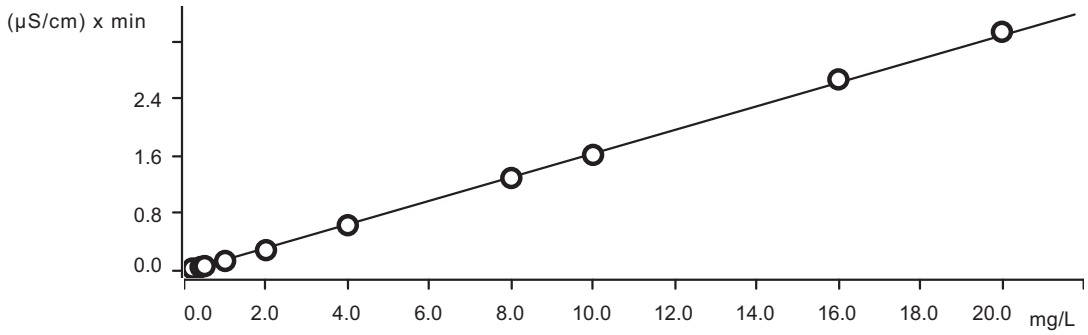
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-08-31 09:24:19 UTC-4
Standard 1	1	0.100	20.0	1.0	1.0	0.0737	STDB	2022-08-31 09:50:02 UTC-4
Standard 2	1	0.200	20.0	1.0	1.0	0.1372	STDC	2022-08-31 10:11:07 UTC-4
Standard 3	1	0.250	20.0	1.0	1.0	0.1805	STDD	2022-08-31 10:32:12 UTC-4
Standard 4	1	0.500	20.0	1.0	1.0	0.4066	STDE	2022-08-31 10:53:17 UTC-4
Standard 5	1	1.000	20.0	1.0	1.0	0.8761	STDF	2022-08-31 11:14:20 UTC-4

MagIC Net

2022-09-02 2:34:09

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 6	1	2.000	20.0	1.0	1.0	1.9002	STDG	2022-08-31 11:35:24 UTC-4
Standard 7	1	4.000	20.0	1.0	1.0	3.7035	STDH	2022-08-31 11:56:27 UTC-4
Standard 8	1	5.000	20.0	1.0	1.0	4.5429	STDI	2022-08-31 12:17:31 UTC-4
Standard 9	1	8.000	20.0	1.0	1.0	7.1743	STDJ	2022-08-31 12:38:34 UTC-4
Standard 10	1	10.000	20.0	1.0	1.0	8.7458	STDK	2022-08-31 12:59:37 UTC-4

Bromide (Anions)



Function: . . . . . *A = - 0.0173015 + 8.26289E-3× Q*

Relative standard deviation . . . . . *2.905485 %*

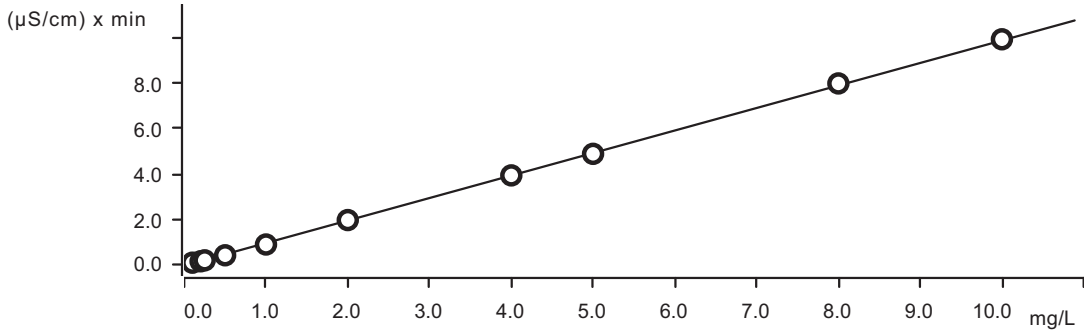
Correlation coefficient *0.999733*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-08-31 09:24:19 UTC-4
Standard 1	1	0.200	20.0	1.0	1.0	0.0257	STDB	2022-08-31 09:50:02 UTC-4
Standard 2	1	0.400	20.0	1.0	1.0	0.0462	STDC	2022-08-31 10:11:07 UTC-4
Standard 3	1	0.500	20.0	1.0	1.0	0.0599	STDD	2022-08-31 10:32:12 UTC-4
Standard 4	1	1.000	20.0	1.0	1.0	0.1314	STDE	2022-08-31 10:53:17 UTC-4
Standard 5	1	2.000	20.0	1.0	1.0	0.2829	STDF	2022-08-31 11:14:20 UTC-4
Standard 6	1	4.000	20.0	1.0	1.0	0.6320	STDG	2022-08-31 11:35:24 UTC-4
Standard 7	1	8.000	20.0	1.0	1.0	1.2930	STDH	2022-08-31 11:56:27 UTC-4
Standard 8	1	10.000	20.0	1.0	1.0	1.6166	STDI	2022-08-31 12:17:31 UTC-4
Standard 9	1	16.000	20.0	1.0	1.0	2.6738	STDJ	2022-08-31 12:38:34 UTC-4
Standard 10	1	20.000	20.0	1.0	1.0	3.3401	STDK	2022-08-31 12:59:37 UTC-4

MagIC Net

2022-09-02 2:34:09

Nitrate (Anions)



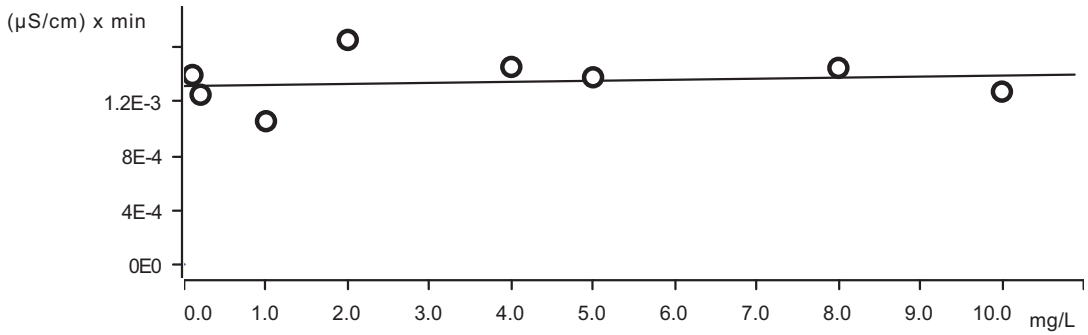
Function: . . . . . *A = - 0.0496791 + 0.0497497× Q*

Relative standard deviation . . . . . *1.660513 %*

Correlation coefficient *0.999911*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-08-31 09:24:19 UTC-4
Standard 1	1	0.100	20.0	1.0	1.0	0.0762	STDB	2022-08-31 09:50:02 UTC-4
Standard 2	1	0.200	20.0	1.0	1.0	0.1380	STDC	2022-08-31 10:11:07 UTC-4
Standard 3	1	0.250	20.0	1.0	1.0	0.1805	STDD	2022-08-31 10:32:12 UTC-4
Standard 4	1	0.500	20.0	1.0	1.0	0.4038	STDE	2022-08-31 10:53:17 UTC-4
Standard 5	1	1.000	20.0	1.0	1.0	0.8803	STDF	2022-08-31 11:14:20 UTC-4
Standard 6	1	2.000	20.0	1.0	1.0	1.9608	STDG	2022-08-31 11:35:24 UTC-4
Standard 7	1	4.000	20.0	1.0	1.0	3.9359	STDH	2022-08-31 11:56:27 UTC-4
Standard 8	1	5.000	20.0	1.0	1.0	4.8894	STDI	2022-08-31 12:17:31 UTC-4
Standard 9	1	8.000	20.0	1.0	1.0	8.0021	STDJ	2022-08-31 12:38:34 UTC-4
Standard 10	1	10.000	20.0	1.0	1.0	9.9542	STDK	2022-08-31 12:59:37 UTC-4

Phosphate (Anions)



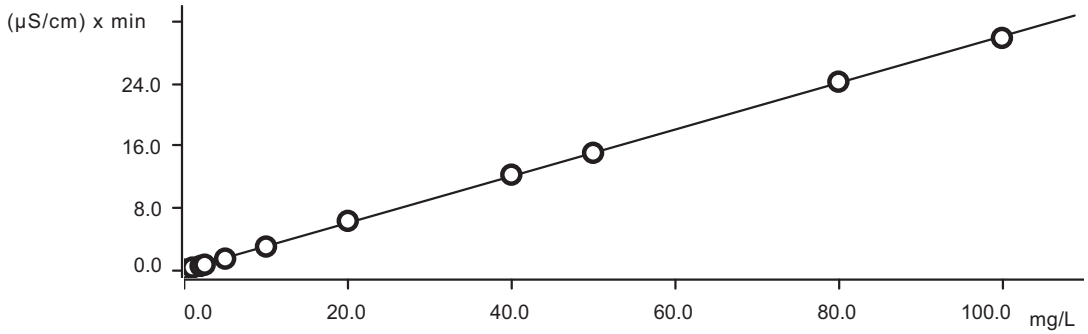
Function: . . . . . *A = 1.31440E-3 + 3.85460E-7× Q*

Relative standard deviation . . . . . *14.013733 %*

Correlation coefficient *0.000000*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-08-31 09:24:19 UTC-4
Standard 1	1	0.100	20.0	1.0	1.0	0.0014	STDB	2022-08-31 09:50:02 UTC-4
Standard 2	1	0.200	20.0	1.0	1.0	0.0013	STDC	2022-08-31 10:11:07 UTC-4
Standard 3	1	0.250	20.0	1.0	1.0	n. d.	STDD	2022-08-31 10:32:12 UTC-4
Standard 4	1	0.500	20.0	1.0	1.0	n. d.	STDE	2022-08-31 10:53:17 UTC-4
Standard 5	1	1.000	20.0	1.0	1.0	0.0011	STDF	2022-08-31 11:14:20 UTC-4
Standard 6	1	2.000	20.0	1.0	1.0	0.0017	STDG	2022-08-31 11:35:24 UTC-4
Standard 7	1	4.000	20.0	1.0	1.0	0.0015	STDH	2022-08-31 11:56:27 UTC-4
Standard 8	1	5.000	20.0	1.0	1.0	0.0014	STDI	2022-08-31 12:17:31 UTC-4
Standard 9	1	8.000	20.0	1.0	1.0	0.0014	STDJ	2022-08-31 12:38:34 UTC-4
Standard 10	1	10.000	20.0	1.0	1.0	0.0013	STDK	2022-08-31 12:59:37 UTC-4

Sulfate (Anions)



Function: . . . . . *A = 1.32878E-3 + 0.0150418× Q*

Relative standard deviation . . . . . *1.868086 %*

Correlation coefficient *0.999898*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	0.0032	STDA	2022-08-31 09:24:19 UTC-4
Standard 1	1	1.000	20.0	1.0	1.0	0.2644	STDB	2022-08-31 09:50:02 UTC-4
Standard 2	1	2.000	20.0	1.0	1.0	0.4852	STDC	2022-08-31 10:11:07 UTC-4
Standard 3	1	2.500	20.0	1.0	1.0	0.6364	STDD	2022-08-31 10:32:12 UTC-4
Standard 4	1	5.000	20.0	1.0	1.0	1.4173	STDE	2022-08-31 10:53:17 UTC-4
Standard 5	1	10.000	20.0	1.0	1.0	2.9771	STDF	2022-08-31 11:14:20 UTC-4

MagIC Net

2022-09-02 2:34:09

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 6	1	20.000	20.0	1.0	1.0	6.2907	STDG	2022-08-31 11:35:24 UTC-4
Standard 7	1	40.000	20.0	1.0	1.0	12.2459	STDH	2022-08-31 11:56:27 UTC-4
Standard 8	1	50.000	20.0	1.0	1.0	15.0658	STDI	2022-08-31 12:17:31 UTC-4
Standard 9	1	80.000	20.0	1.0	1.0	24.2369	STDJ	2022-08-31 12:38:34 UTC-4
Standard 10	1	100.000	20.0	1.0	1.0	29.8820	STDK	2022-08-31 12:59:37 UTC-4

MagIC Net

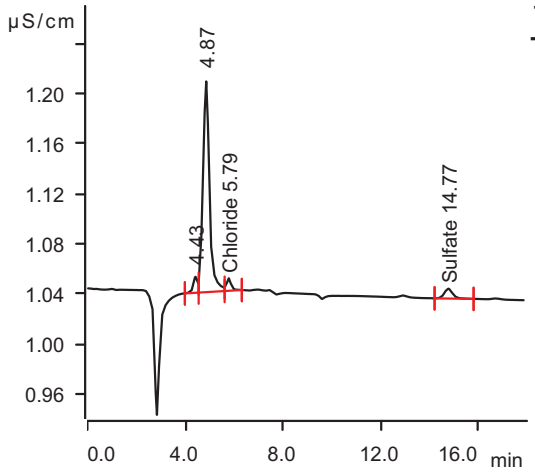
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDA
Sample type . . . . . Standard 100
Determination start 2022-08-31 09:24:19
Dilution factor 1.00

Anions

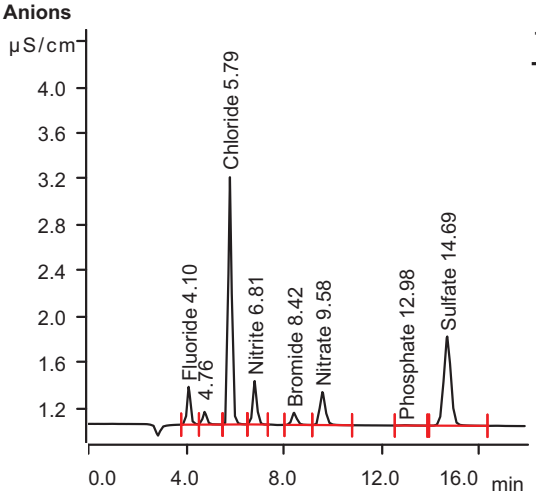


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
5.79	Chloride	0.0021	0.003	0.003
14.77	Sulfate	0.0032	0.006	0.006

Sample data

Ident . . . . . STDB
Sample type . . . . . Standard 1
Determination start 2022-08-31 09:50:02
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0540	0.112	0.112
5.79	Chloride	0.3555	0.885	0.885
6.81	Nitrite	0.0737	0.117	0.117
8.42	Bromide	0.0257	0.260	0.260
9.58	Nitrate	0.0762	0.127	0.127
12.98	Phosphate	0.0014	10.557	10.557
14.69	Sulfate	0.2644	0.874	0.874

MagIC Net

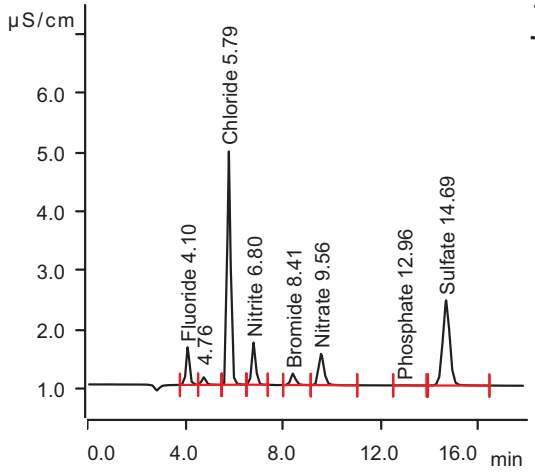
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDC
Sample type . . . . . Standard 2
Determination start 2022-08-31 10:11:07
Dilution factor 1.00

Anions

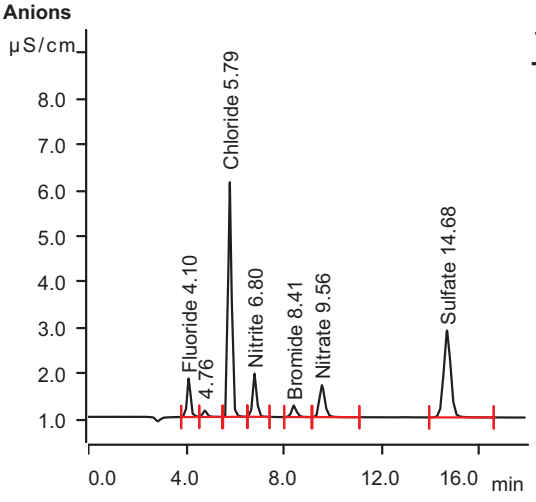


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.1031	0.183	0.183
5.79	Chloride	0.6446	1.606	1.606
6.80	Nitrite	0.1372	0.186	0.186
8.41	Bromide	0.0462	0.384	0.384
9.56	Nitrate	0.1380	0.189	0.189
12.96	Phosphate	0.0013	-8.292	-8.292
14.69	Sulfate	0.4852	1.609	1.609

Sample data

Ident . . . . . STDD
Sample type . . . . . Standard 3
Determination start 2022-08-31 10:32:12
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.1369	0.232	0.232
5.79	Chloride	0.8365	2.085	2.085
6.80	Nitrite	0.1805	0.232	0.232
8.41	Bromide	0.0599	0.467	0.467
9.56	Nitrate	0.1805	0.231	0.231
14.68	Sulfate	0.6364	2.111	2.111

MagIC Net

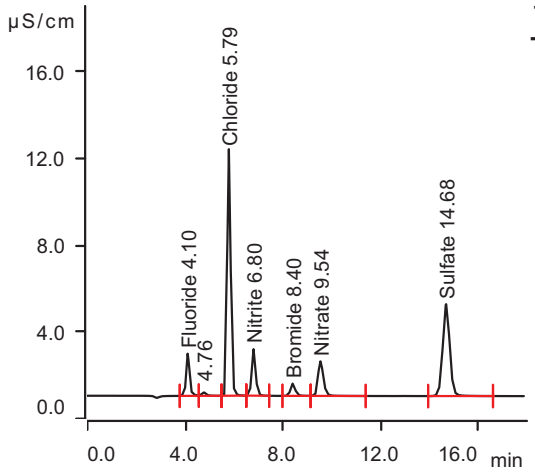
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDE
Sample type . . . . . Standard 4
Determination start 2022-08-31 10:53:17
Dilution factor 1.00

Anions

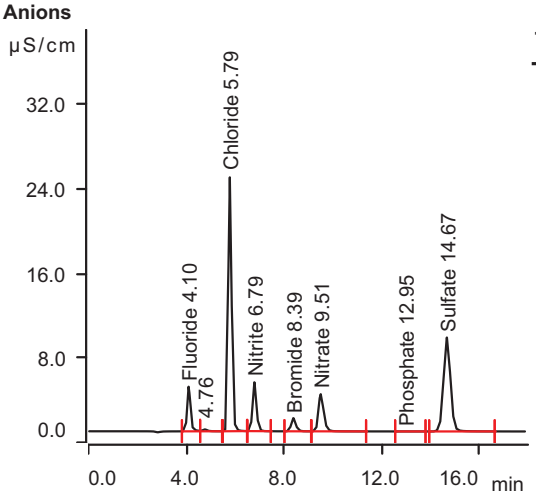


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.3157	0.493	0.493
5.79	Chloride	1.8535	4.623	4.623
6.80	Nitrite	0.4066	0.477	0.477
8.40	Bromide	0.1314	0.900	0.900
9.54	Nitrate	0.4038	0.456	0.456
14.68	Sulfate	1.4173	4.707	4.707

Sample data

Ident . . . . . STDF
Sample type . . . . . Standard 5
Determination start 2022-08-31 11:14:20
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.6804	1.023	1.023
5.79	Chloride	3.9002	9.730	9.730
6.79	Nitrite	0.8761	0.983	0.983
8.39	Bromide	0.2829	1.816	1.816
9.51	Nitrate	0.8803	0.935	0.935
12.95	Phosphate	0.0011	-33.604	-33.604
14.67	Sulfate	2.9771	9.892	9.892

MagIC Net

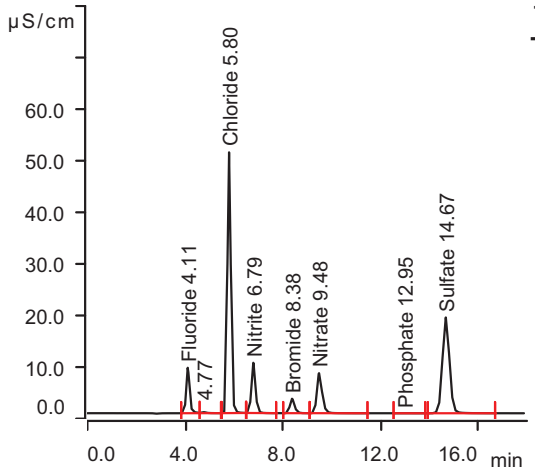
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDG
Sample type . . . . . Standard 6
Determination start 2022-08-31 11:35:24
Dilution factor 1.00

Anions

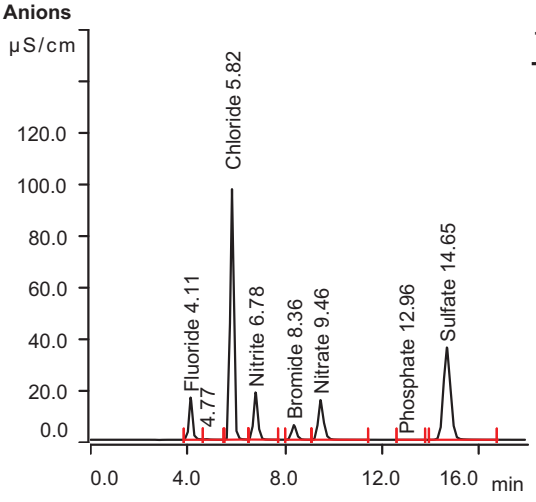


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.4441	2.134	2.134
5.80	Chloride	8.2978	20.702	20.702
6.79	Nitrite	1.9002	2.089	2.089
8.38	Bromide	0.6320	3.929	3.929
9.48	Nitrate	1.9608	2.021	2.021
12.95	Phosphate	0.0017	44.093	44.093
14.67	Sulfate	6.2907	20.906	20.906

Sample data

Ident . . . . . STDH
Sample type . . . . . Standard 7
Determination start 2022-08-31 11:56:27
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	2.7511	4.036	4.036
5.82	Chloride	16.2573	40.562	40.562
6.78	Nitrite	3.7035	4.036	4.036
8.36	Bromide	1.2930	7.929	7.929
9.46	Nitrate	3.9359	4.006	4.006
12.96	Phosphate	0.0015	18.269	18.269
14.65	Sulfate	12.2459	40.702	40.702

MagIC Net

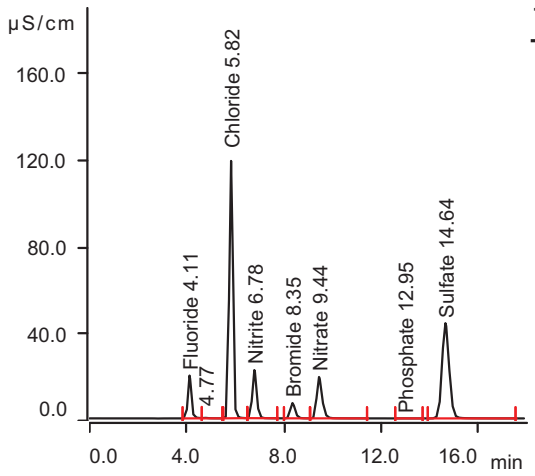
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDI
Sample type . . . . . Standard 8
Determination start 2022-08-31 12:17:31
Dilution factor 1.00

Anions

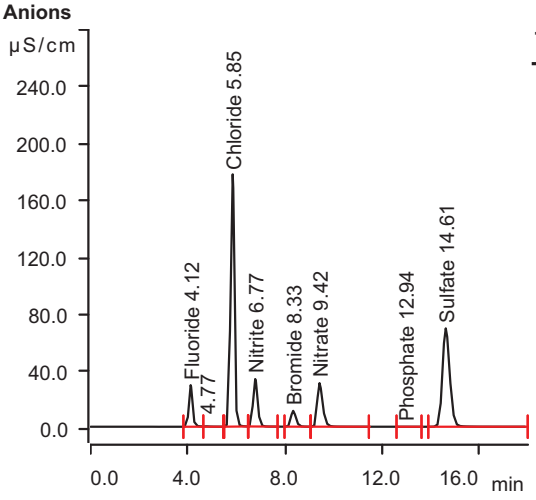


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	3.3141	4.855	4.855
5.82	Chloride	20.0549	50.038	50.038
6.78	Nitrite	4.5429	4.942	4.942
8.35	Bromide	1.6166	9.887	9.887
9.44	Nitrate	4.8894	4.964	4.964
12.95	Phosphate	0.0014	8.366	8.366
14.64	Sulfate	15.0658	50.075	50.075

Sample data

Ident . . . . . STDJ
Sample type . . . . . Standard 9
Determination start 2022-08-31 12:38:34
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	5.1743	7.562	7.562
5.85	Chloride	32.3369	80.683	80.683
6.77	Nitrite	7.1743	7.783	7.783
8.33	Bromide	2.6738	16.284	16.284
9.42	Nitrate	8.0021	8.092	8.092
12.94	Phosphate	0.0014	17.337	17.337
14.61	Sulfate	24.2369	80.561	80.561

MagIC Net

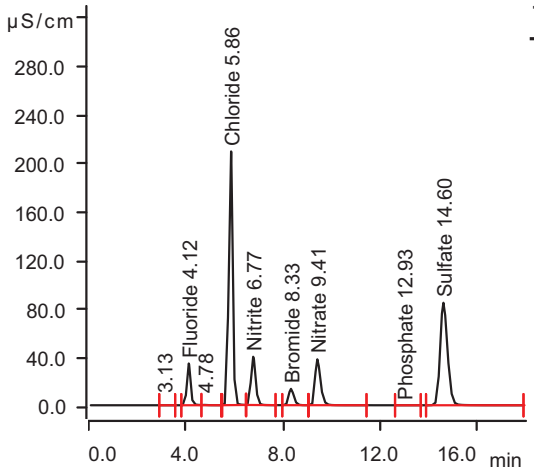
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDK
Sample type . . . . . Standard 10
Determination start 2022-08-31 12:59:37
Dilution factor 1.00

Anions

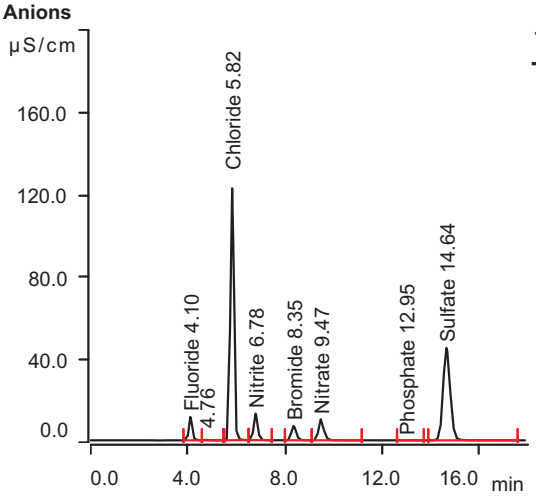


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	6.2326	9.102	9.102
5.86	Chloride	40.0203	99.854	99.854
6.77	Nitrite	8.7458	9.480	9.480
8.33	Bromide	3.3401	20.316	20.316
9.41	Nitrate	9.9542	10.054	10.054
12.93	Phosphate	0.0013	-5.343	-5.343
14.60	Sulfate	29.8820	99.325	99.325

Sample data

Ident ICV
Sample type . . . . . Sample
Determination start 2022-08-31 13:30:03
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	1.8200	2.681	2.681
5.82	Chloride	20.6811	51.600	51.600
6.78	Nitrite	2.4903	2.726	2.726
8.35	Bromide	1.5889	9.720	9.720
9.47	Nitrate	2.5809	2.644	2.644
12.95	Phosphate	0.0012	-15.351	-15.351
14.64	Sulfate	15.3657	51.072	51.072

MagIC Net

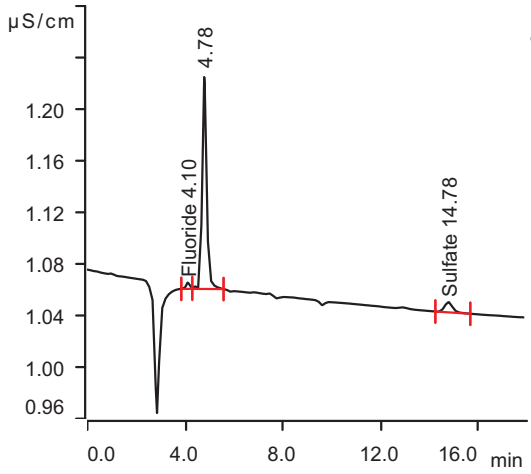
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident . . . . . ICB
Sample type . . . . . Sample
Determination start 2022-08-31 14:02:24
Dilution factor 1.00

Anions

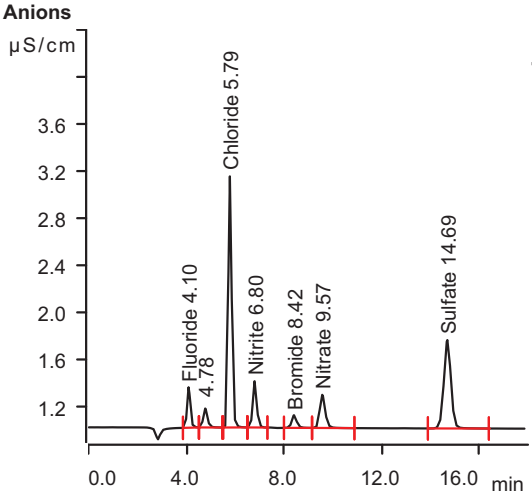


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0009	0.034	0.034
14.78	Sulfate	0.0031	0.006	0.006

Sample data

Ident . . . . . CRI
Sample type . . . . . Sample
Determination start 2022-08-31 14:23:24
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0541	0.112	0.112
5.79	Chloride	0.3471	0.864	0.864
6.80	Nitrite	0.0756	0.119	0.119
8.42	Bromide	0.0259	0.261	0.261
9.57	Nitrate	0.0740	0.124	0.124
14.69	Sulfate	0.2537	0.839	0.839

MagIC Net

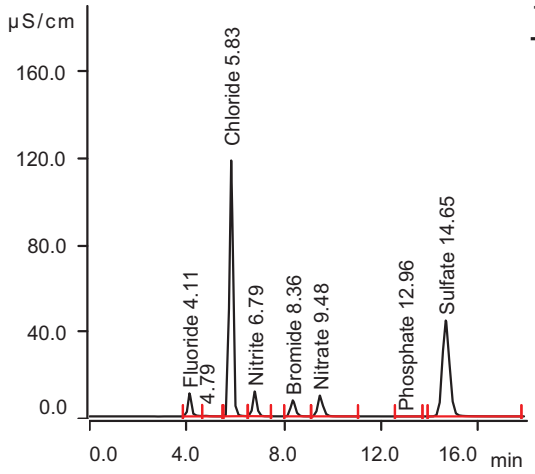
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-08-31 14:44:26
Dilution factor 1.00

Anions

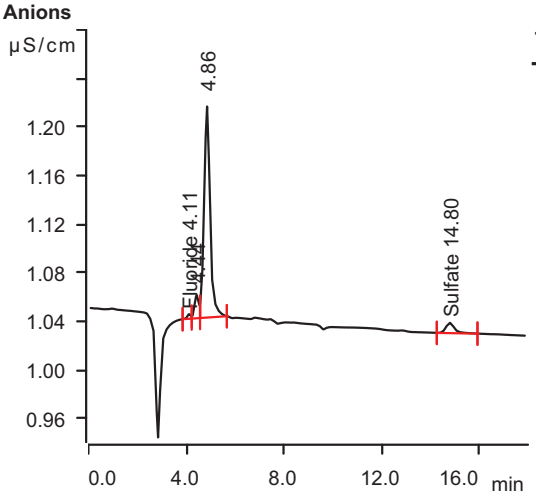


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.8332	2.701	2.701
5.83	Chloride	20.0073	49.919	49.919
6.79	Nitrite	2.2220	2.437	2.437
8.36	Bromide	1.6845	10.298	10.298
9.48	Nitrate	2.4268	2.489	2.489
12.96	Phosphate	0.0011	-24.813	-24.813
14.65	Sulfate	15.3421	50.994	50.994

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-08-31 15:05:38
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0006	0.034	0.034
14.80	Sulfate	0.0036	0.007	0.007

MagIC Net

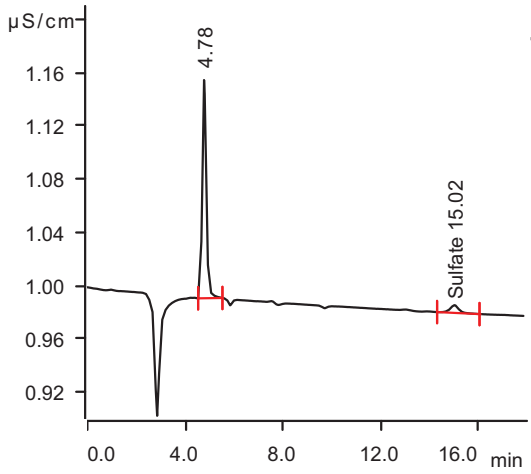
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident . . . . . Rinse
Sample type . . . . . Sample
Determination start 2022-09-01 09:31:17
Dilution factor 1.00

Anions

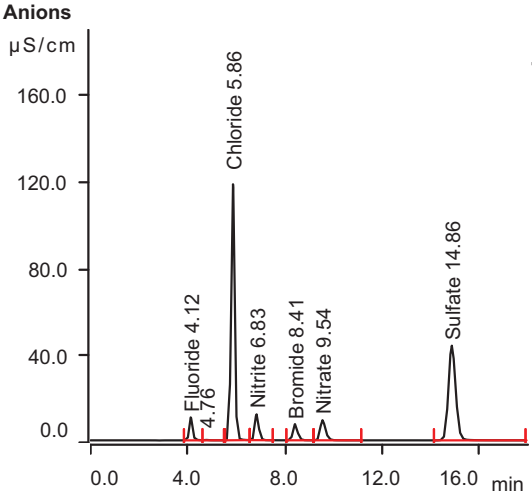


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
15.02	Sulfate	0.0024	0.004	0.004

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-01 10:00:04
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	1.7248	2.543	2.543
5.86	Chloride	20.0935	50.134	50.134
6.83	Nitrite	2.3093	2.531	2.531
8.41	Bromide	1.7048	10.421	10.421
9.54	Nitrate	2.3638	2.426	2.426
14.86	Sulfate	15.2215	50.593	50.593

MagIC Net

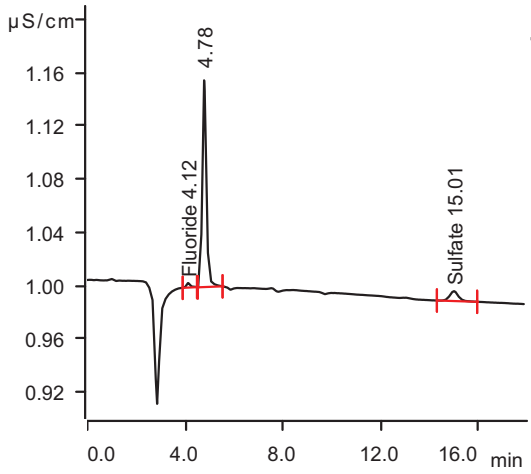
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident MB1
Sample type . . . . . Sample
Determination start 2022-09-01 10:25:49
Dilution factor 1.00

Anions

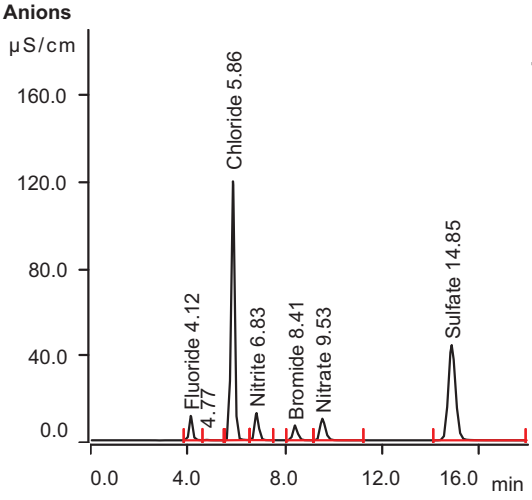


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0006	0.034	0.034
15.01	Sulfate	0.0031	0.006	0.006

Sample data

Ident B1
Sample type . . . . . Sample
Determination start 2022-09-01 10:46:57
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	1.8502	2.725	2.725
5.86	Chloride	20.5070	51.166	51.166
6.83	Nitrite	2.4561	2.689	2.689
8.41	Bromide	1.5678	9.591	9.591
9.53	Nitrate	2.5485	2.611	2.611
14.85	Sulfate	15.3569	51.043	51.043

MagIC Net

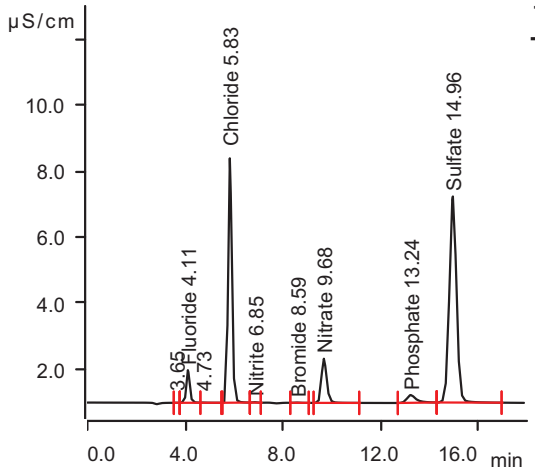
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98566-1
Sample type . . . . . Sample
Determination start 2022-09-01 11:32:53
Dilution factor 1.00

Anions

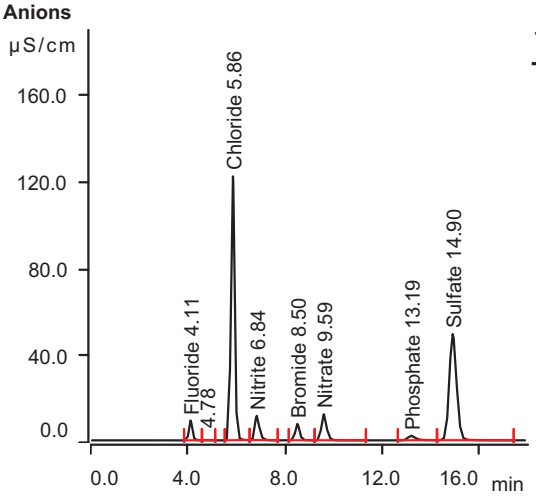


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.1631	0.270	0.270
5.83	Chloride	1.3050	3.254	3.254
6.85	Nitrite	0.0026	0.040	0.040
8.59	Bromide	0.0017	0.115	0.115
9.68	Nitrate	0.3337	0.385	0.385
13.24	Phosphate	0.1050	13451.495	13451.495
14.96	Sulfate	2.1282	7.070	7.070

Sample data

Ident FA98566-1S1
Sample type . . . . . Sample
Determination start 2022-09-01 11:53:58
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.4924	2.205	2.205
5.86	Chloride	21.7320	54.222	54.222
6.84	Nitrite	2.4856	2.721	2.721
8.50	Bromide	1.5962	9.763	9.763
9.59	Nitrate	2.9765	3.041	3.041
13.19	Phosphate	0.7952	102978.372	102978.372
14.90	Sulfate	17.1502	57.004	57.004

MagIC Net

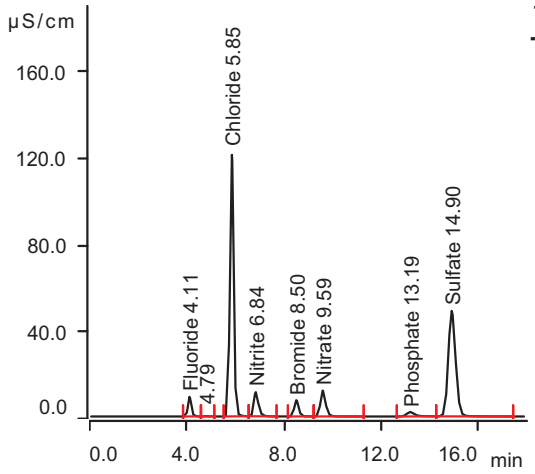
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98566-1S2
Sample type . . . . . Sample
Determination start 2022-09-01 12:15:00
Dilution factor 1.00

Anions

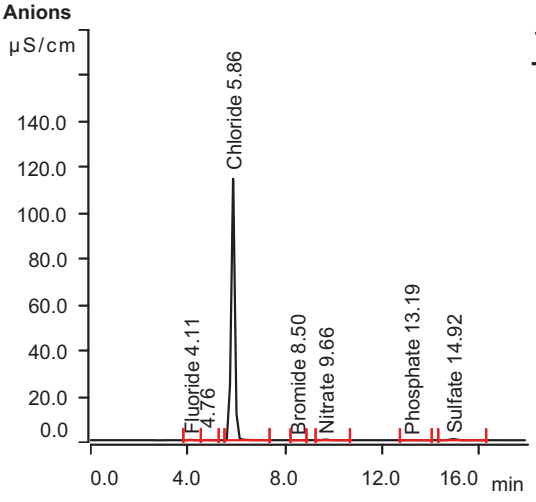


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.4919	2.204	2.204
5.85	Chloride	21.7002	54.143	54.143
6.84	Nitrite	2.4843	2.720	2.720
8.50	Bromide	1.5970	9.768	9.768
9.59	Nitrate	2.9757	3.041	3.041
13.19	Phosphate	0.7981	103355.471	103355.471
14.90	Sulfate	17.1194	56.902	56.902

Sample data

Ident FA98566-2
Sample type . . . . . Sample
Determination start 2022-09-01 12:36:03
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0276	0.073	0.734
5.86	Chloride	19.6041	48.913	489.129
8.50	Bromide	0.0021	0.118	1.176
9.66	Nitrate	0.0721	0.122	1.224
13.19	Phosphate	0.0163	1941.665	19416.653
14.92	Sulfate	0.1750	0.577	5.774

MagIC Net

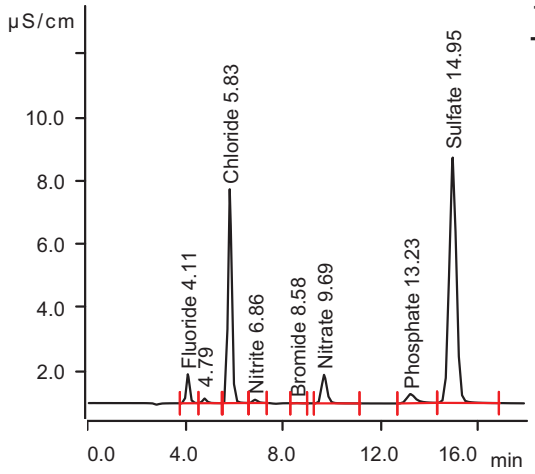
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98566-3
Sample type . . . . . Sample
Determination start 2022-09-01 12:56:49
Dilution factor 1.00

Anions

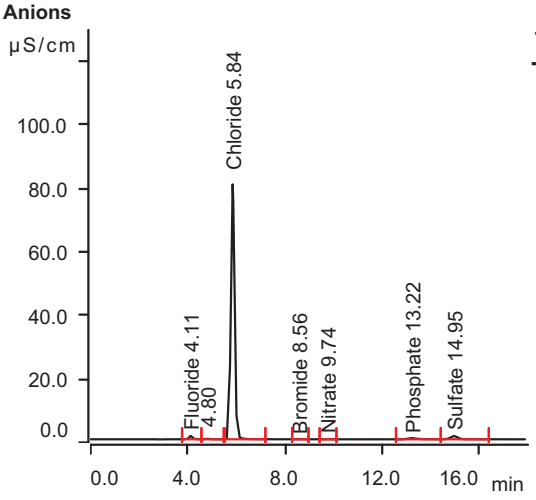


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.1489	0.250	0.250
5.83	Chloride	1.1810	2.945	2.945
6.86	Nitrite	0.0242	0.064	0.064
8.58	Bromide	0.0015	0.114	0.114
9.69	Nitrate	0.2272	0.278	0.278
13.23	Phosphate	0.1293	16604.596	16604.596
14.95	Sulfate	2.6409	8.774	8.774

Sample data

Ident FA98566-4
Sample type . . . . . Sample
Determination start 2022-09-01 13:17:55
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.1756	0.289	0.289
5.84	Chloride	14.0772	35.123	35.123
8.56	Bromide	0.0026	0.120	0.120
9.74	Nitrate	0.0018	0.052	0.052
13.22	Phosphate	0.1784	22973.612	22973.612
14.95	Sulfate	0.3654	1.210	1.210

MagIC Net

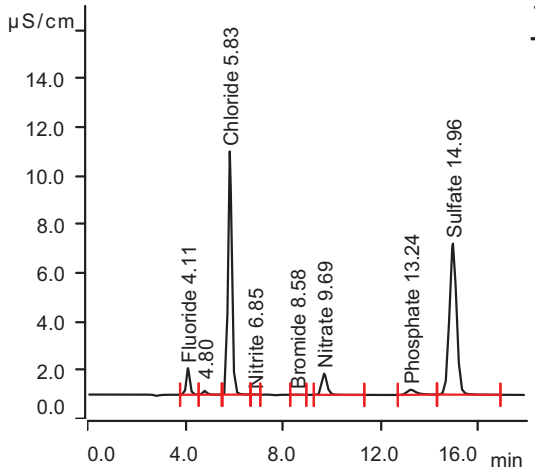
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98566-5
Sample type . . . . . Sample
Determination start 2022-09-01 13:38:59
Dilution factor 1.00

Anions

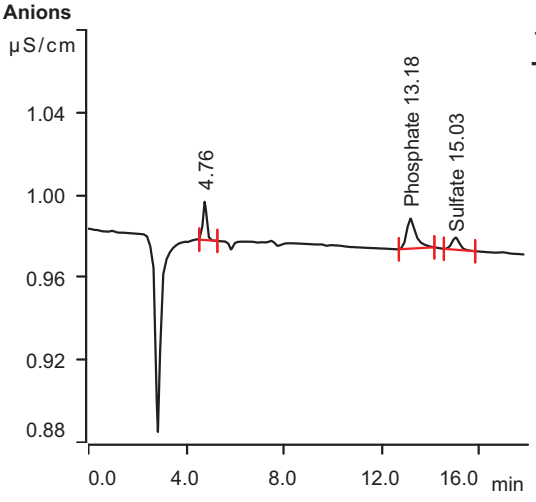


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.1820	0.298	0.298
5.83	Chloride	1.7648	4.401	4.401
6.85	Nitrite	0.0015	0.039	0.039
8.58	Bromide	0.0018	0.116	0.116
9.69	Nitrate	0.2213	0.272	0.272
13.24	Phosphate	0.0956	12225.628	12225.628
14.96	Sulfate	2.1228	7.052	7.052

Sample data

Ident FA98363-1
Sample type . . . . . Sample
Determination start 2022-09-01 14:08:46
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
13.18	Phosphate	0.0065	678.129	678.129
15.03	Sulfate	0.0022	0.003	0.003

MagIC Net

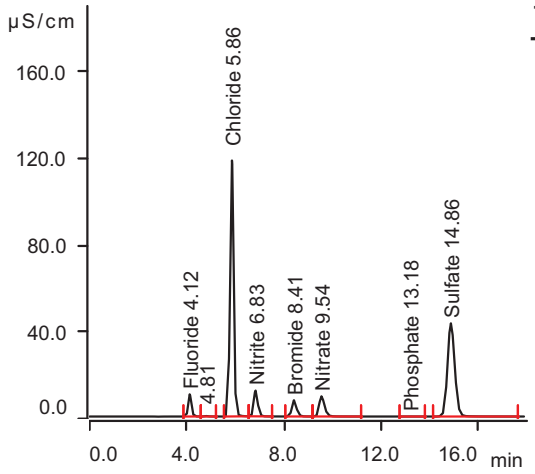
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-01 14:29:48
Dilution factor 1.00

Anions

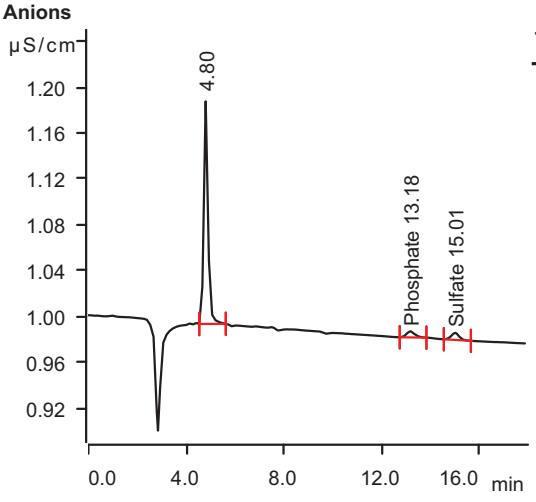


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	1.5982	2.359	2.359
5.86	Chloride	20.1017	50.155	50.155
6.83	Nitrite	2.3116	2.533	2.533
8.41	Bromide	1.7112	10.460	10.460
9.54	Nitrate	2.3729	2.435	2.435
13.18	Phosphate	0.0038	318.280	318.280
14.86	Sulfate	14.9180	49.584	49.584

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-01 14:50:59
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
13.18	Phosphate	0.0021	103.491	103.491
15.01	Sulfate	0.0023	0.003	0.003

MagIC Net

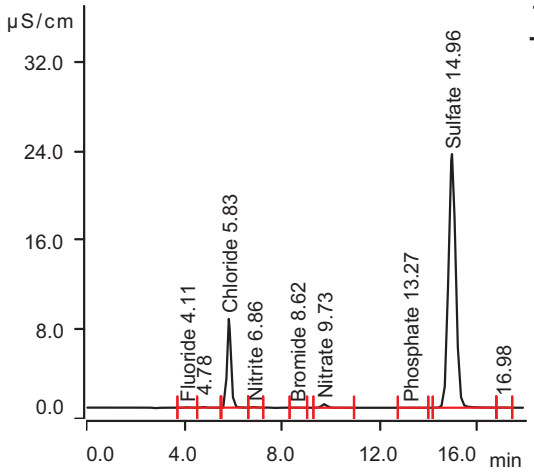
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98464-1
Sample type . . . . . Sample
Determination start 2022-09-01 15:12:02
Dilution factor 1.00

Anions

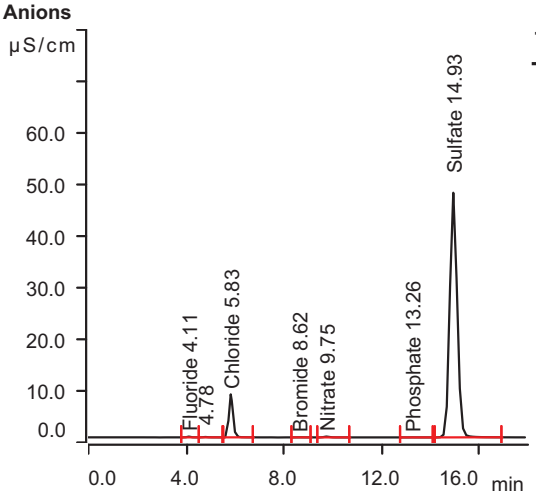


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0072	0.044	0.044
5.83	Chloride	1.4493	3.614	3.614
6.86	Nitrite	0.0112	0.050	0.050
8.62	Bromide	0.0024	0.119	0.119
9.73	Nitrate	0.0835	0.134	0.134
13.27	Phosphate	0.0031	225.615	225.615
14.96	Sulfate	7.8912	26.226	26.226

Sample data

Ident FA98464-2
Sample type . . . . . Sample
Determination start 2022-09-01 15:33:12
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0260	0.071	0.071
5.83	Chloride	1.5789	3.938	3.938
8.62	Bromide	0.0027	0.121	0.121
9.75	Nitrate	0.0422	0.092	0.092
13.26	Phosphate	0.0040	344.889	344.889
14.93	Sulfate	16.7904	55.808	55.808

MagIC Net

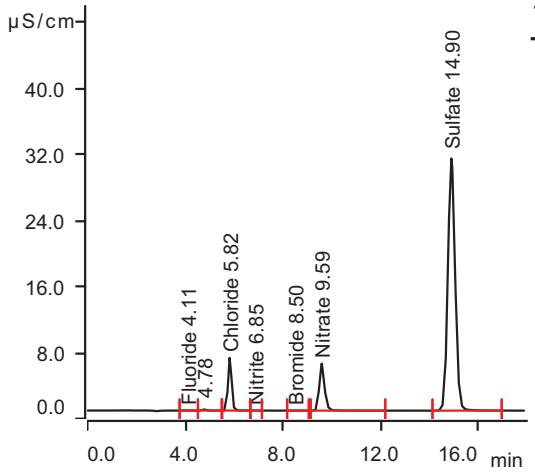
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98464-3
Sample type . . . . . Sample
Determination start 2022-09-01 15:54:14
Dilution factor 5.00

Anions

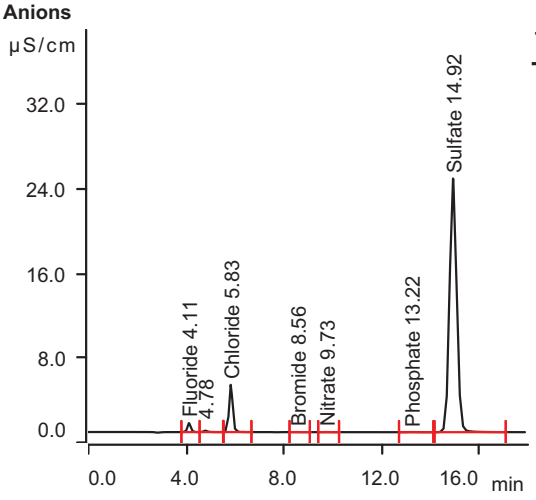


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0050	0.041	0.203
5.82	Chloride	1.0541	2.628	13.141
6.85	Nitrite	0.0013	0.039	0.195
8.50	Bromide	0.0013	0.113	0.563
9.59	Nitrate	1.4324	1.490	7.448
14.90	Sulfate	10.5229	34.975	174.873

Sample data

Ident FA98427-1
Sample type . . . . . Sample
Determination start 2022-09-01 16:15:01
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.1359	0.231	0.231
5.83	Chloride	0.7516	1.873	1.873
8.56	Bromide	0.0013	0.112	0.112
9.73	Nitrate	0.0025	0.052	0.052
13.22	Phosphate	0.0060	604.727	604.727
14.92	Sulfate	8.2106	27.288	27.288

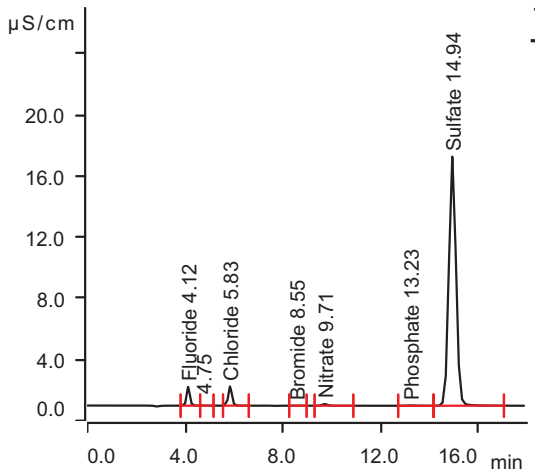
MagIC Net

Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

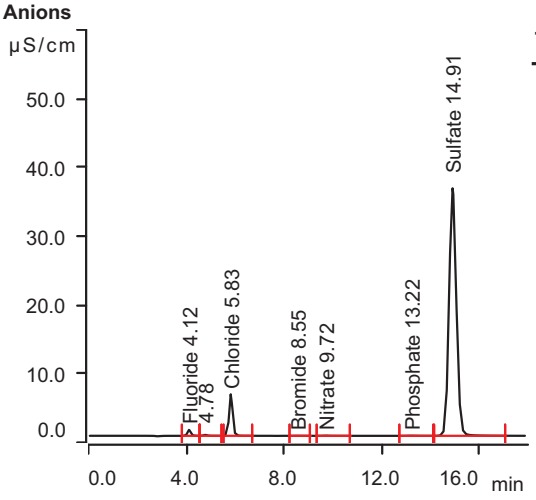
Ident FA98427-2
Sample type . . . . . Sample
Determination start 2022-09-01 16:54:39
Dilution factor 1.00



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.1940	0.315	0.315
5.83	Chloride	0.2158	0.536	0.536
8.55	Bromide	0.0008	0.110	0.110
9.71	Nitrate	0.0289	0.079	0.079
13.23	Phosphate	0.0091	1015.883	1015.883
14.94	Sulfate	5.5596	18.476	18.476

Sample data

Ident FA98427-3
Sample type . . . . . Sample
Determination start 2022-09-01 17:15:43
Dilution factor 1.00



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.1350	0.230	0.230
5.83	Chloride	1.0021	2.498	2.498
8.55	Bromide	0.0016	0.114	0.114
9.72	Nitrate	0.0082	0.058	0.058
13.22	Phosphate	0.0098	1096.043	1096.043
14.91	Sulfate	12.4645	41.429	41.429

MagIC Net

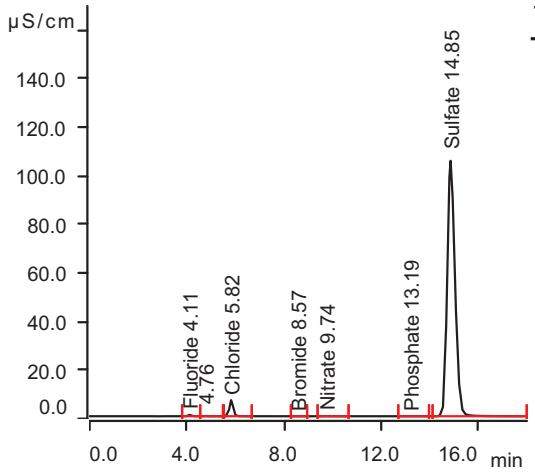
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98427-4
Sample type . . . . . Sample
Determination start 2022-09-01 17:36:45
Dilution factor 1.00

Anions

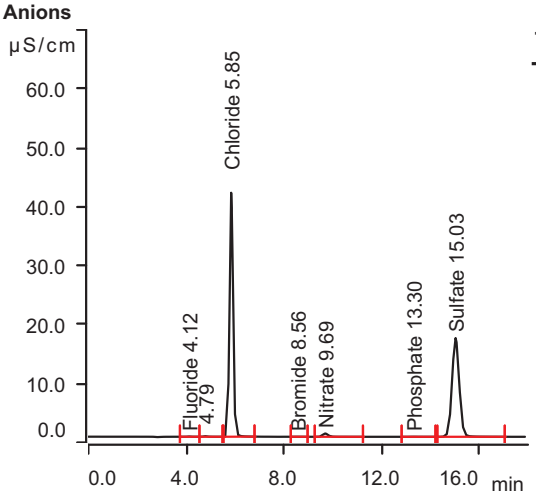


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0895	0.163	0.163
5.82	Chloride	1.1447	2.854	2.854
8.57	Bromide	0.0012	0.112	0.112
9.74	Nitrate	0.0082	0.058	0.058
13.19	Phosphate	0.0042	378.630	378.630
14.85	Sulfate	38.9927	129.610	129.610

Sample data

Ident FA98587-1
Sample type . . . . . Sample
Determination start 2022-09-01 17:57:46
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0083	0.045	0.453
5.85	Chloride	6.9468	17.331	173.313
8.56	Bromide	0.0025	0.120	1.198
9.69	Nitrate	0.1467	0.197	1.973
13.30	Phosphate	0.0051	492.689	4926.885
15.03	Sulfate	5.7746	19.191	191.908

MagIC Net

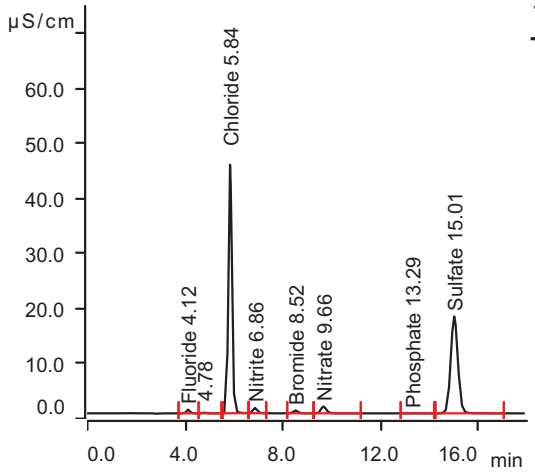
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98587-1S3
Sample type . . . . . Sample
Determination start 2022-09-01 18:18:33
Dilution factor 10.00

Anions

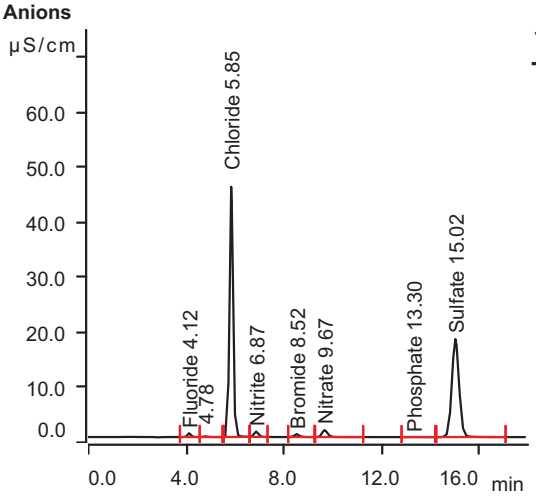


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.1088	0.191	1.915
5.84	Chloride	7.5055	18.725	187.252
6.86	Nitrite	0.1858	0.238	2.382
8.52	Bromide	0.1174	0.815	8.148
9.66	Nitrate	0.3183	0.370	3.698
13.29	Phosphate	0.0046	424.112	4241.121
15.01	Sulfate	6.0587	20.135	201.350

Sample data

Ident FA98587-1S4
Sample type . . . . . Sample
Determination start 2022-09-01 18:39:20
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.1108	0.194	1.944
5.85	Chloride	7.6003	18.962	189.617
6.87	Nitrite	0.1895	0.242	2.422
8.52	Bromide	0.1196	0.828	8.285
9.67	Nitrate	0.3244	0.376	3.760
13.30	Phosphate	0.0045	419.086	4190.864
15.02	Sulfate	6.1392	20.403	204.028

MagIC Net

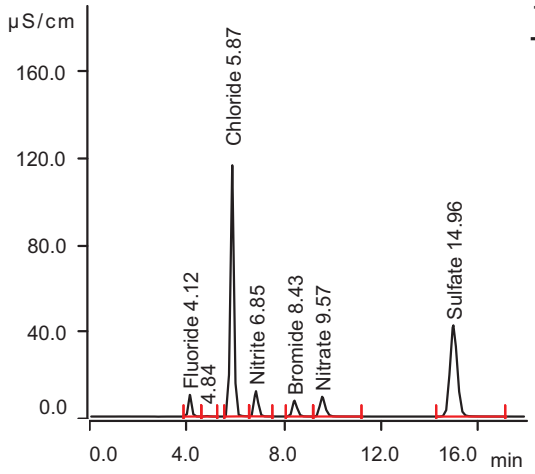
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-01 19:00:08
Dilution factor 1.00

Anions

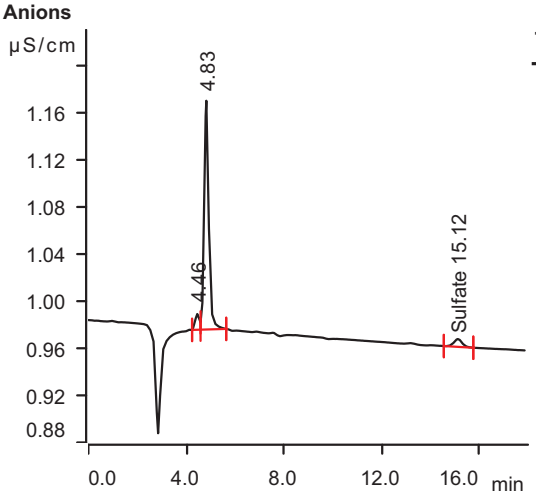


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	1.5748	2.325	2.325
5.87	Chloride	19.8689	49.574	49.574
6.85	Nitrite	2.2736	2.492	2.492
8.43	Bromide	1.6834	10.291	10.291
9.57	Nitrate	2.3371	2.399	2.399
14.96	Sulfate	14.7084	48.887	48.887

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-01 19:21:14
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
15.12	Sulfate	0.0026	0.004	0.004

MagIC Net

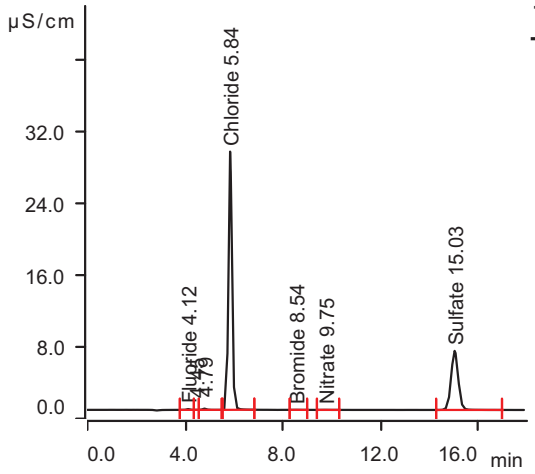
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98587-2
Sample type . . . . . Sample
Determination start 2022-09-01 19:42:15
Dilution factor 5.00

Anions

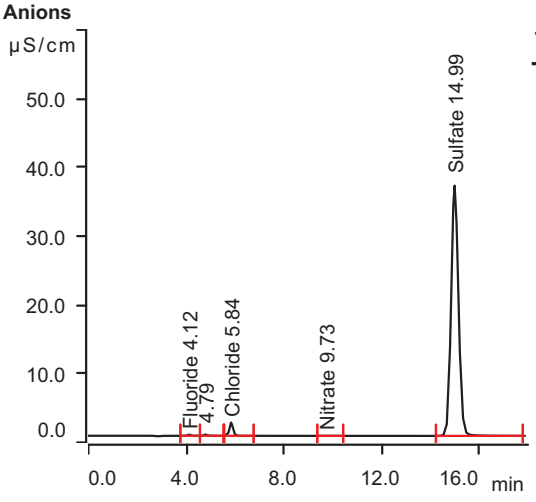


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0147	0.055	0.273
5.84	Chloride	4.7874	11.943	59.716
8.54	Bromide	0.0017	0.115	0.575
9.75	Nitrate	0.0023	0.052	0.261
15.03	Sulfate	2.2372	7.432	37.161

Sample data

Ident FA98587-3
Sample type . . . . . Sample
Determination start 2022-09-01 20:03:01
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0284	0.074	0.372
5.84	Chloride	0.3227	0.803	4.016
9.73	Nitrate	0.0032	0.053	0.266
14.99	Sulfate	12.7023	42.219	211.094

MagIC Net

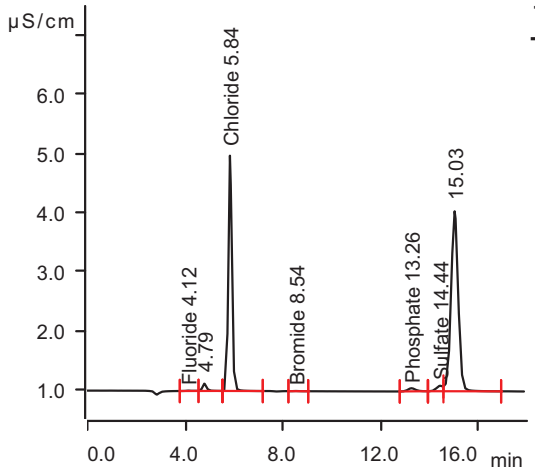
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98587-5
Sample type . . . . . Sample
Determination start 2022-09-01 20:23:47
Dilution factor 100.00

Anions

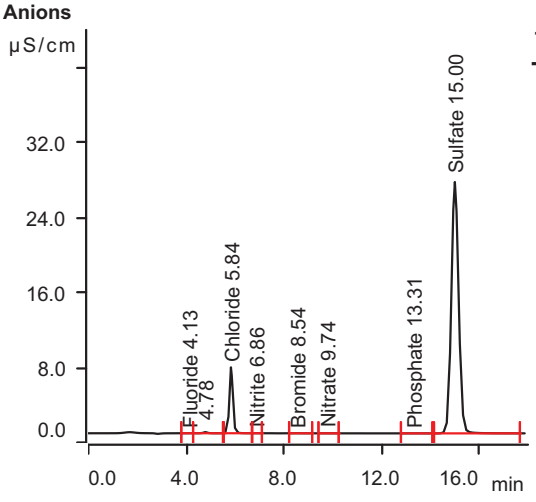


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0022	0.036	3.635
5.84	Chloride	0.6626	1.651	165.134
8.54	Bromide	0.0008	0.110	10.968
13.26	Phosphate	0.0193	2337.854	233785.368
14.44	Sulfate	0.0281	0.089	8.908

Sample data

Ident FA98587-7
Sample type . . . . . Sample
Determination start 2022-09-01 20:44:34
Dilution factor 25.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.0009	0.035	0.864
5.84	Chloride	1.1646	2.904	72.598
6.86	Nitrite	0.0006	0.038	0.957
8.54	Bromide	0.0014	0.113	2.832
9.74	Nitrate	0.0008	0.051	1.268
13.31	Phosphate	0.0015	28.893	722.313
15.00	Sulfate	9.2888	30.872	771.802

MagIC Net

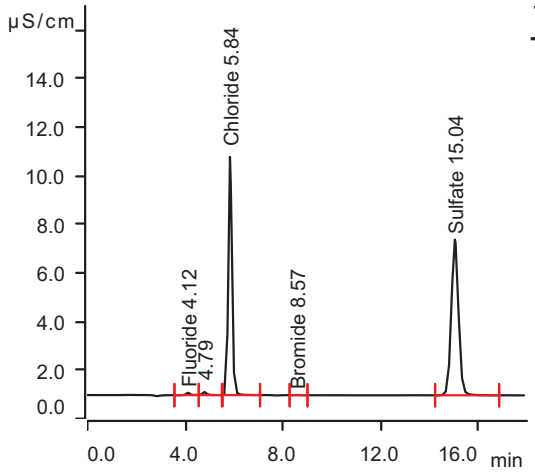
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98587-8
Sample type . . . . . Sample
Determination start 2022-09-01 21:05:21
Dilution factor 10.00

Anions

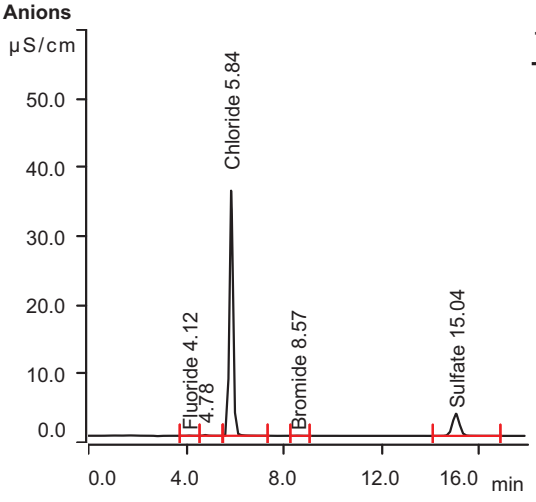


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0201	0.062	0.624
5.84	Chloride	1.6772	4.183	41.829
8.57	Bromide	0.0021	0.118	1.176
15.04	Sulfate	2.1977	7.301	73.010

Sample data

Ident FA98587-9
Sample type . . . . . Sample
Determination start 2022-09-01 21:26:07
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0069	0.043	0.433
5.84	Chloride	6.0379	15.063	150.633
8.57	Bromide	0.0047	0.133	1.329
15.04	Sulfate	1.0910	3.622	36.222

MagIC Net

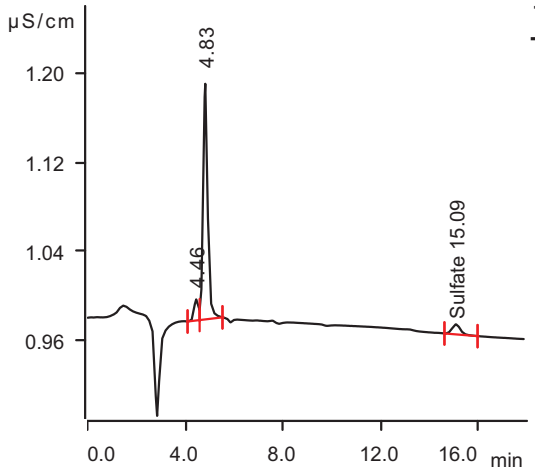
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident MB1
Sample type . . . . . Sample
Determination start 2022-09-01 21:46:52
Dilution factor 1.00

Anions

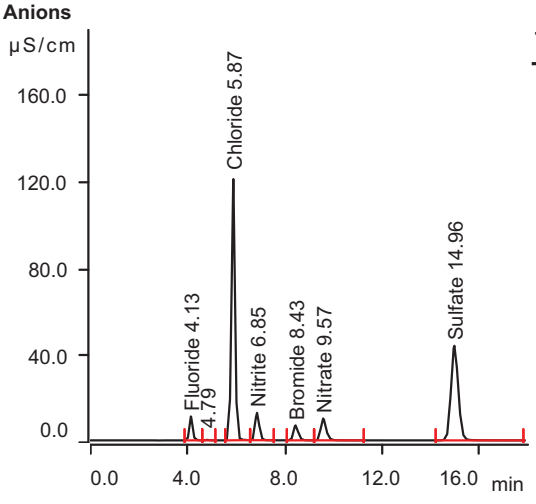


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
15.09	Sulfate	0.0036	0.007	0.007

Sample data

Ident B1
Sample type . . . . . Sample
Determination start 2022-09-01 22:07:55
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	1.7490	2.578	2.578
5.87	Chloride	20.7233	51.705	51.705
6.85	Nitrite	2.4805	2.716	2.716
8.43	Bromide	1.5832	9.685	9.685
9.57	Nitrate	2.5771	2.640	2.640
14.96	Sulfate	15.2627	50.730	50.730

MagIC Net

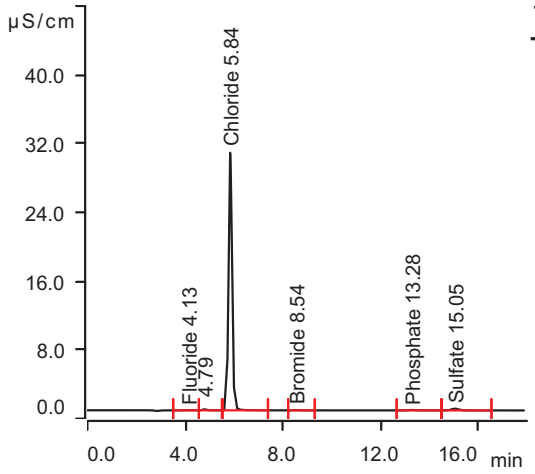
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98314-1
Sample type . . . . . Sample
Determination start 2022-09-01 22:28:57
Dilution factor 100.00

Anions

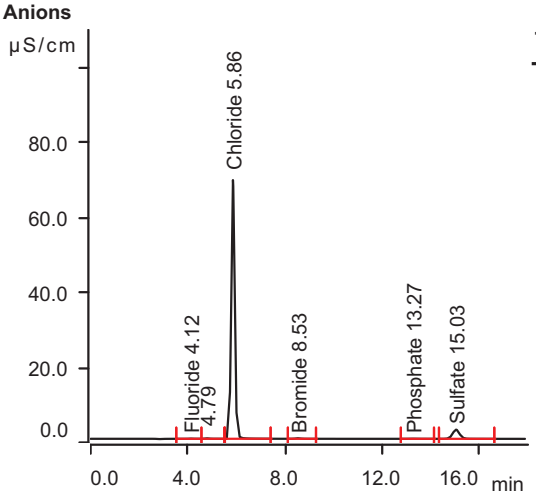


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.0105	0.049	4.852
5.84	Chloride	4.9239	12.284	1228.371
8.54	Bromide	0.0068	0.146	14.590
13.28	Phosphate	0.0185	2234.451	223445.087
15.05	Sulfate	0.0736	0.240	24.037

Sample data

Ident FA98317-1
Sample type . . . . . Sample
Determination start 2022-09-01 22:49:44
Dilution factor 100.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0174	0.059	5.856
5.86	Chloride	11.5093	28.715	2871.530
8.53	Bromide	0.0324	0.301	30.060
13.27	Phosphate	0.0137	1610.742	161074.250
15.03	Sulfate	0.8306	2.757	275.662

MagIC Net

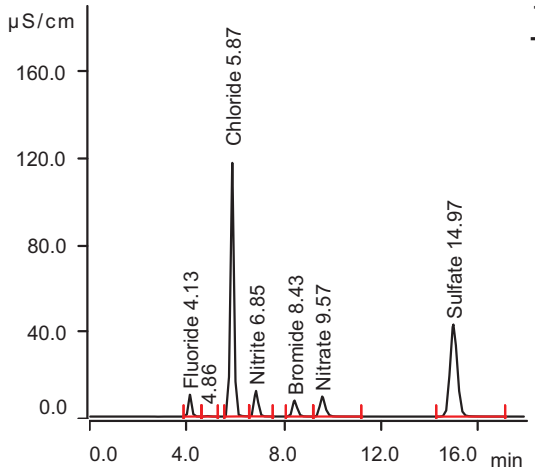
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-01 23:10:30
Dilution factor 1.00

Anions

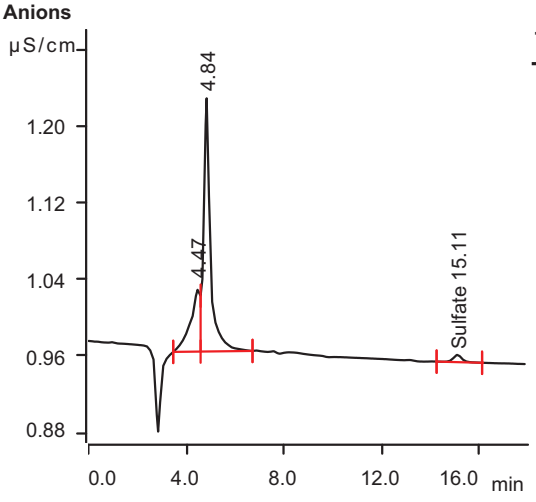


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	1.5866	2.342	2.342
5.87	Chloride	19.9818	49.855	49.855
6.85	Nitrite	2.2884	2.508	2.508
8.43	Bromide	1.6933	10.351	10.351
9.57	Nitrate	2.3513	2.413	2.413
14.97	Sulfate	14.7903	49.160	49.160

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-01 23:31:38
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
15.11	Sulfate	0.0032	0.006	0.006

MagIC Net

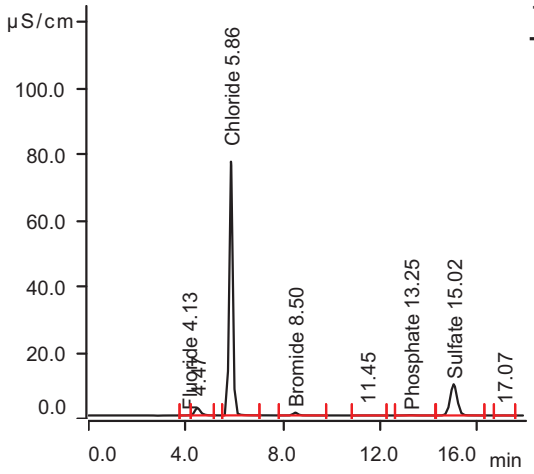
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98317-2
Sample type . . . . . Sample
Determination start 2022-09-01 23:52:40
Dilution factor 100.00

Anions

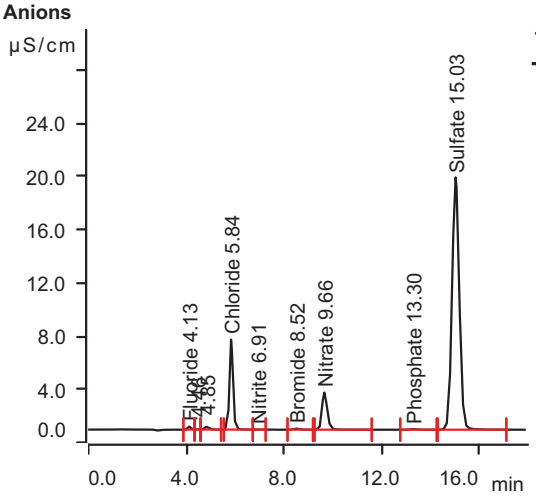


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.0083	0.045	4.529
5.86	Chloride	12.8100	31.961	3196.063
8.50	Bromide	0.1939	1.278	127.824
13.25	Phosphate	0.0338	4216.373	421637.322
15.02	Sulfate	3.1984	10.627	1062.725

Sample data

Ident FA98374-1
Sample type . . . . . Sample
Determination start 2022-09-02 00:13:27
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.0345	0.083	0.083
5.84	Chloride	1.1249	2.805	2.805
6.91	Nitrite	0.0007	0.038	0.038
8.52	Bromide	0.0192	0.221	0.221
9.66	Nitrate	0.6934	0.747	0.747
13.30	Phosphate	0.0159	1889.032	1889.032
15.03	Sulfate	6.5046	21.617	21.617

MagIC Net

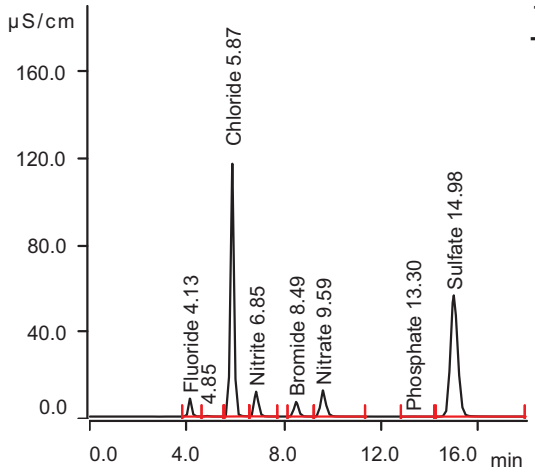
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98374-1S1
Sample type . . . . . Sample
Determination start 2022-09-02 00:34:34
Dilution factor 1.00

Anions

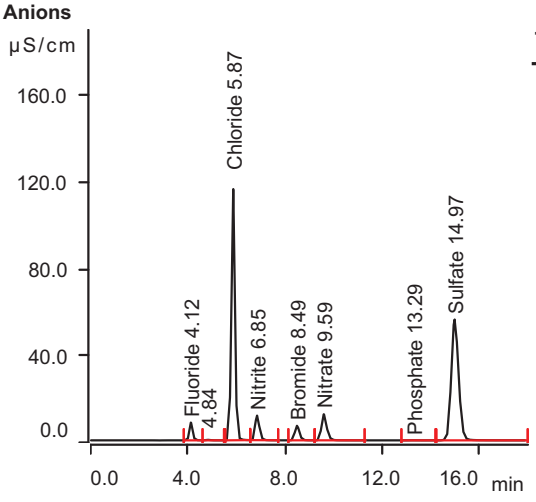


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	1.3220	1.957	1.957
5.87	Chloride	20.0905	50.127	50.127
6.85	Nitrite	2.2871	2.507	2.507
8.49	Bromide	1.4768	9.041	9.041
9.59	Nitrate	3.0311	3.096	3.096
13.30	Phosphate	0.0140	1648.969	1648.969
14.98	Sulfate	19.6721	65.387	65.387

Sample data

Ident FA98374-1S2
Sample type . . . . . Sample
Determination start 2022-09-02 00:55:35
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	1.3074	1.936	1.936
5.87	Chloride	20.0455	50.014	50.014
6.85	Nitrite	2.2832	2.503	2.503
8.49	Bromide	1.4750	9.030	9.030
9.59	Nitrate	3.0284	3.094	3.094
13.29	Phosphate	0.0141	1662.285	1662.285
14.97	Sulfate	19.6293	65.245	65.245

MagIC Net

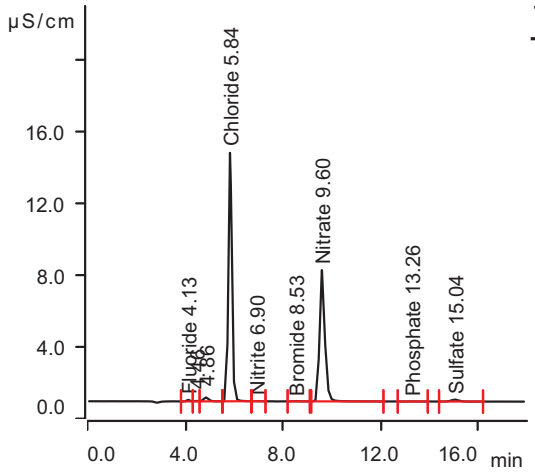
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98374-2
Sample type . . . . . Sample
Determination start 2022-09-02 01:16:38
Dilution factor 1.00

Anions

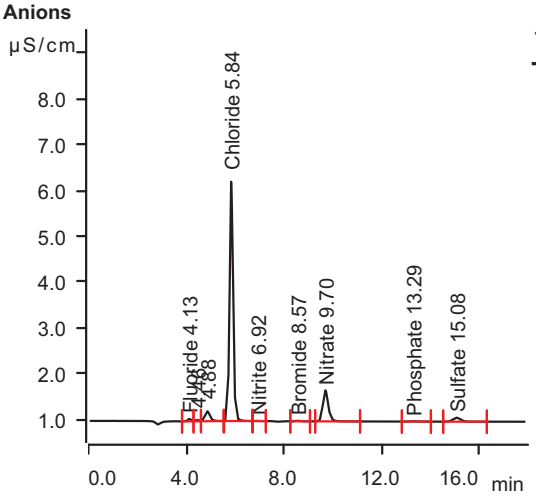


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.0140	0.054	0.054
5.84	Chloride	2.2653	5.650	5.650
6.90	Nitrite	0.0016	0.039	0.039
8.53	Bromide	0.0023	0.119	0.119
9.60	Nitrate	1.8352	1.894	1.894
13.26	Phosphate	0.0014	16.024	16.024
15.04	Sulfate	0.0387	0.124	0.124

Sample data

Ident FA98374-3
Sample type . . . . . Sample
Determination start 2022-09-02 01:37:42
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.0097	0.047	0.047
5.84	Chloride	0.8604	2.145	2.145
6.92	Nitrite	0.0009	0.039	0.039
8.57	Bromide	0.0024	0.119	0.119
9.70	Nitrate	0.1728	0.224	0.224
13.29	Phosphate	0.0025	148.021	148.021
15.08	Sulfate	0.0316	0.101	0.101

MagIC Net

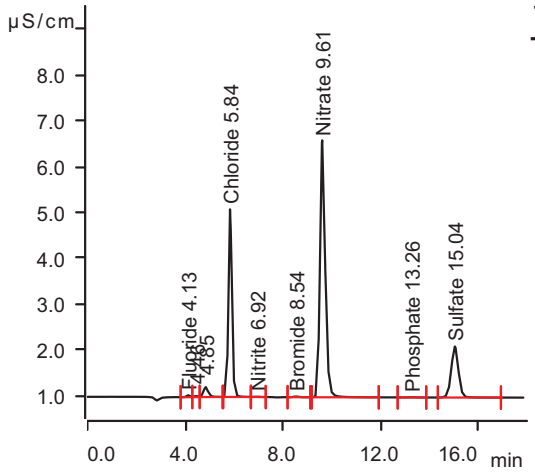
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98374-4
Sample type . . . . . Sample
Determination start 2022-09-02 01:58:44
Dilution factor 1.00

Anions

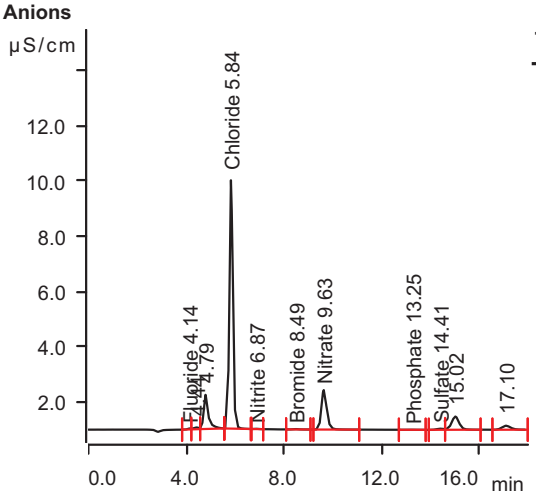


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.0073	0.044	0.044
5.84	Chloride	0.6712	1.673	1.673
6.92	Nitrite	0.0015	0.039	0.039
8.54	Bromide	0.0038	0.128	0.128
9.61	Nitrate	1.3996	1.457	1.457
13.26	Phosphate	0.0012	-12.653	-12.653
15.04	Sulfate	0.3810	1.262	1.262

Sample data

Ident FA98374-5
Sample type . . . . . Sample
Determination start 2022-09-02 02:19:45
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.14	Fluoride	0.0054	0.041	0.205
5.84	Chloride	1.4685	3.662	18.311
6.87	Nitrite	0.0019	0.040	0.198
8.49	Bromide	0.0035	0.126	0.629
9.63	Nitrate	0.3672	0.419	2.095
13.25	Phosphate	0.0013	-7.084	-35.420
14.41	Sulfate	0.0133	0.040	0.199

MagIC Net

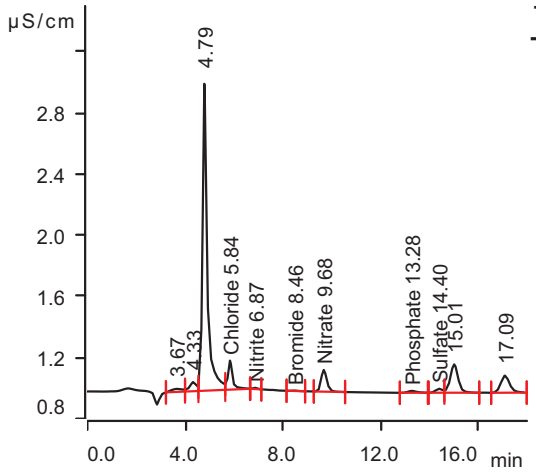
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98374-6
Sample type . . . . . Sample
Determination start 2022-09-02 02:40:34
Dilution factor 50.00

Anions

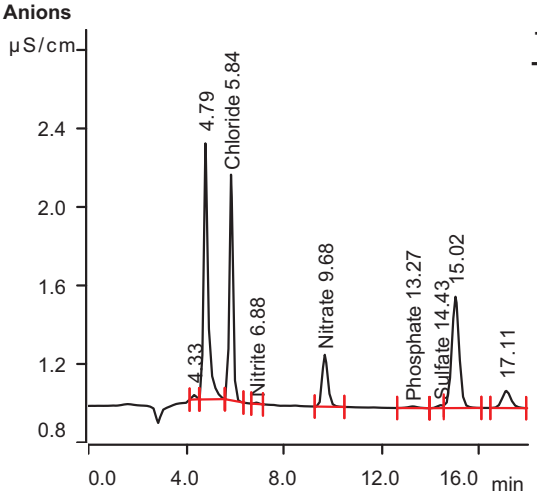


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
5.84	Chloride	0.0427	0.104	5.223
6.87	Nitrite	0.0016	0.039	1.965
8.46	Bromide	0.0007	0.109	5.437
9.68	Nitrate	0.0388	0.089	4.446
13.28	Phosphate	0.0050	472.194	23609.697
14.40	Sulfate	0.0086	0.024	1.211

Sample data

Ident FA98374-7
Sample type . . . . . Sample
Determination start 2022-09-02 03:01:26
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
5.84	Chloride	0.1899	0.472	4.719
6.88	Nitrite	0.0014	0.039	0.391
9.68	Nitrate	0.0707	0.121	1.210
13.27	Phosphate	0.0039	336.352	3363.518
14.43	Sulfate	0.0043	0.010	0.098

MagIC Net

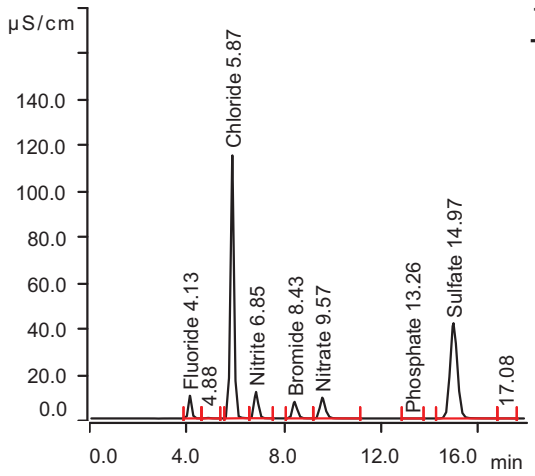
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-02 03:22:14
Dilution factor 1.00

Anions

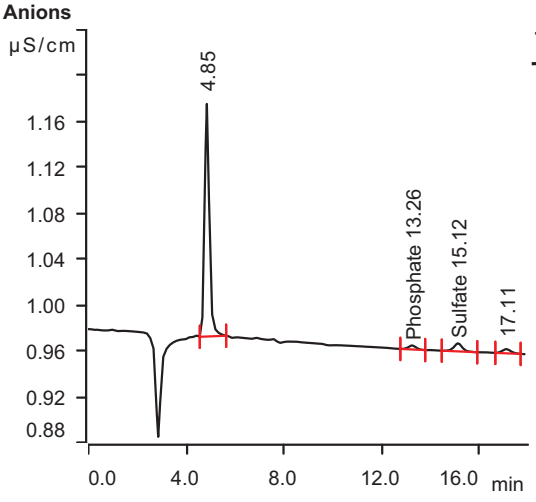


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	1.5639	2.309	2.309
5.87	Chloride	19.6881	49.123	49.123
6.85	Nitrite	2.2495	2.466	2.466
8.43	Bromide	1.6677	10.196	10.196
9.57	Nitrate	2.3226	2.384	2.384
13.26	Phosphate	0.0025	150.017	150.017
14.97	Sulfate	14.5666	48.416	48.416

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-02 03:43:24
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
13.26	Phosphate	0.0013	-7.239	-7.239
15.12	Sulfate	0.0028	0.005	0.005

MagIC Net

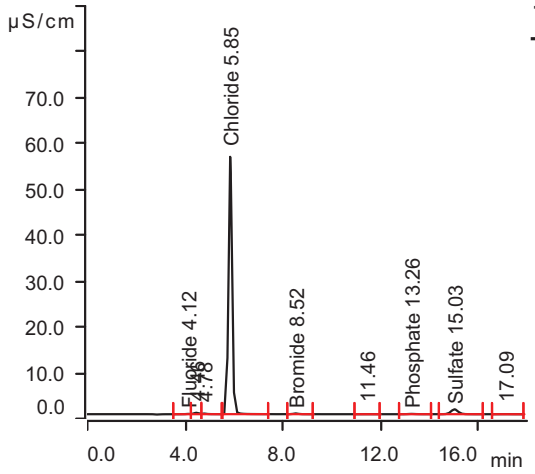
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98376-1
Sample type . . . . . Sample
Determination start 2022-09-02 04:04:26
Dilution factor 100.00

Anions

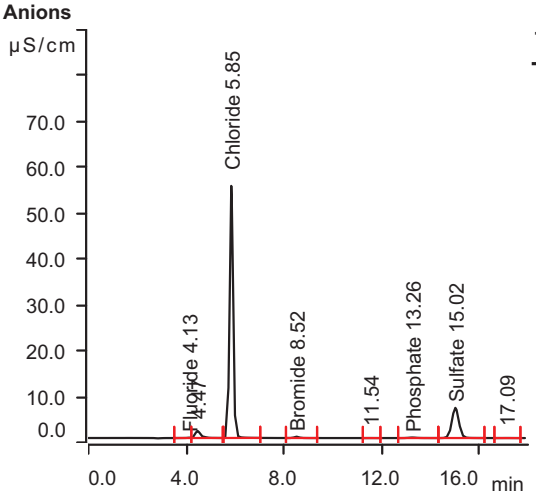


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0148	0.055	5.477
5.85	Chloride	9.3346	23.289	2328.911
8.52	Bromide	0.0384	0.337	33.700
13.26	Phosphate	0.0243	2976.696	297669.571
15.03	Sulfate	0.3701	1.226	122.598

Sample data

Ident FA98376-2
Sample type . . . . . Sample
Determination start 2022-09-02 04:25:14
Dilution factor 100.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.0133	0.053	5.257
5.85	Chloride	9.1043	22.715	2271.457
8.52	Bromide	0.0663	0.506	50.599
13.26	Phosphate	0.0429	5398.137	539813.686
15.02	Sulfate	2.2242	7.389	738.895

MagIC Net

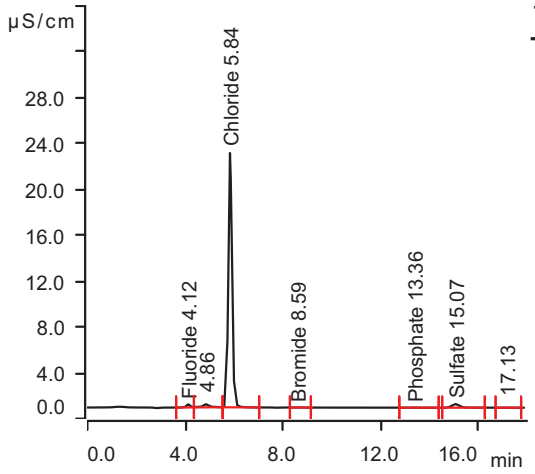
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98431-1
Sample type . . . . . Sample
Determination start 2022-09-02 04:46:01
Dilution factor 1.00

Anions

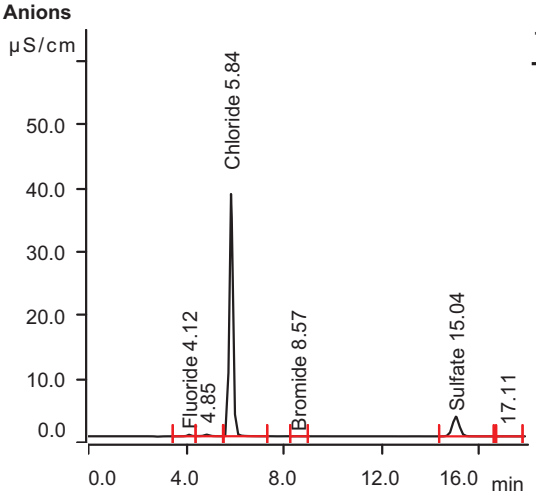


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0502	0.106	0.106
5.84	Chloride	3.8434	9.588	9.588
8.59	Bromide	0.0014	0.113	0.113
13.36	Phosphate	0.0022	117.919	117.919
15.07	Sulfate	0.1148	0.377	0.377

Sample data

Ident FA98431-2
Sample type . . . . . Sample
Determination start 2022-09-02 05:07:09
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0475	0.102	0.102
5.84	Chloride	6.5123	16.247	16.247
8.57	Bromide	0.0015	0.114	0.114
15.04	Sulfate	1.0490	3.483	3.483

MagIC Net

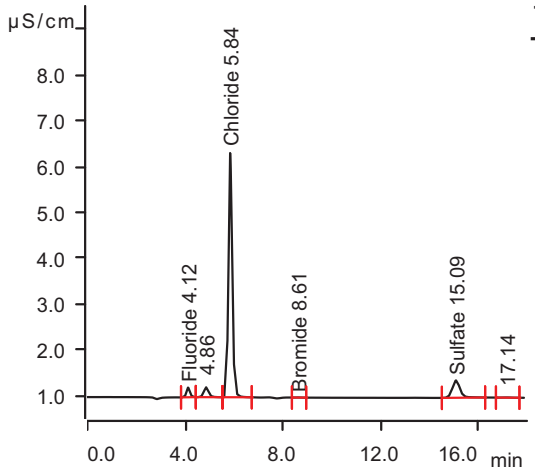
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98431-3
Sample type . . . . . Sample
Determination start 2022-09-02 05:28:09
Dilution factor 1.00

Anions

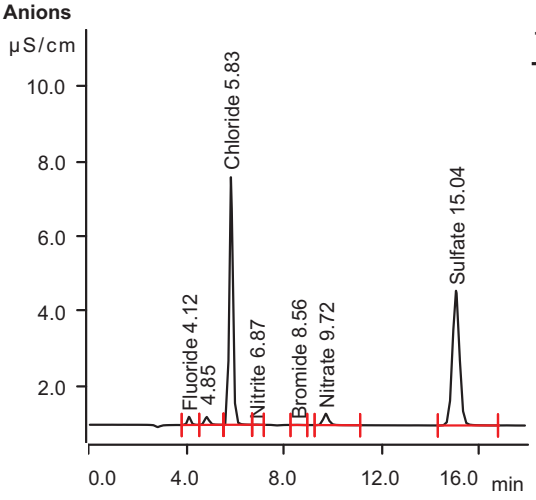


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0353	0.085	0.085
5.84	Chloride	0.9484	2.364	2.364
8.61	Bromide	0.0006	0.108	0.108
15.09	Sulfate	0.1390	0.458	0.458

Sample data

Ident FA98431-4
Sample type . . . . . Sample
Determination start 2022-09-02 05:49:14
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0360	0.086	0.086
5.83	Chloride	1.1081	2.763	2.763
6.87	Nitrite	0.0009	0.039	0.039
8.56	Bromide	0.0007	0.109	0.109
9.72	Nitrate	0.0793	0.130	0.130
15.04	Sulfate	1.2105	4.019	4.019

MagIC Net

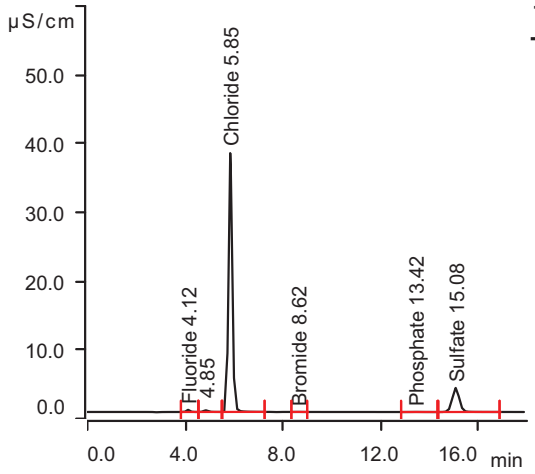
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98431-5
Sample type . . . . . Sample
Determination start 2022-09-02 06:10:18
Dilution factor 1.00

Anions

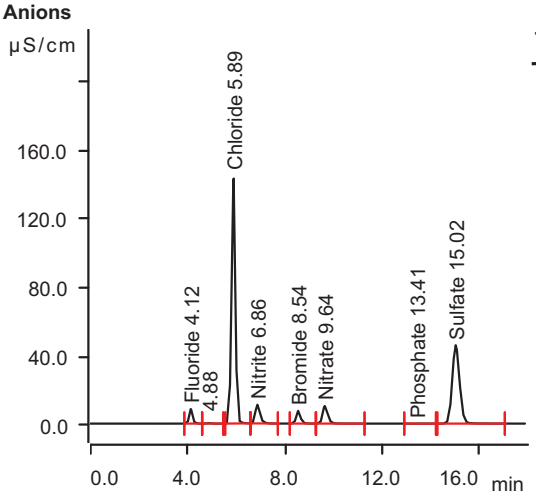


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0516	0.108	0.108
5.85	Chloride	6.6870	16.683	16.683
8.62	Bromide	0.0019	0.116	0.116
13.42	Phosphate	0.0060	608.170	608.170
15.08	Sulfate	1.1965	3.973	3.973

Sample data

Ident FA98431-5S3
Sample type . . . . . Sample
Determination start 2022-09-02 06:31:19
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	1.3890	2.054	2.054
5.89	Chloride	25.9955	64.860	64.860
6.86	Nitrite	2.4195	2.650	2.650
8.54	Bromide	1.5573	9.528	9.528
9.64	Nitrate	2.5162	2.579	2.579
13.41	Phosphate	0.0045	418.798	418.798
15.02	Sulfate	16.0313	53.285	53.285

MagIC Net

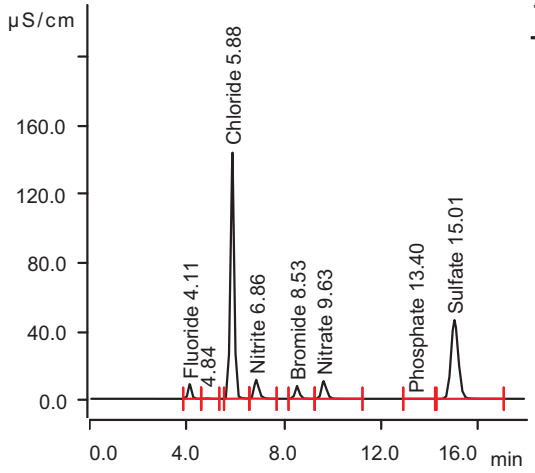
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident FA98431-5S4
Sample type . . . . . Sample
Determination start 2022-09-02 06:52:21
Dilution factor 1.00

Anions

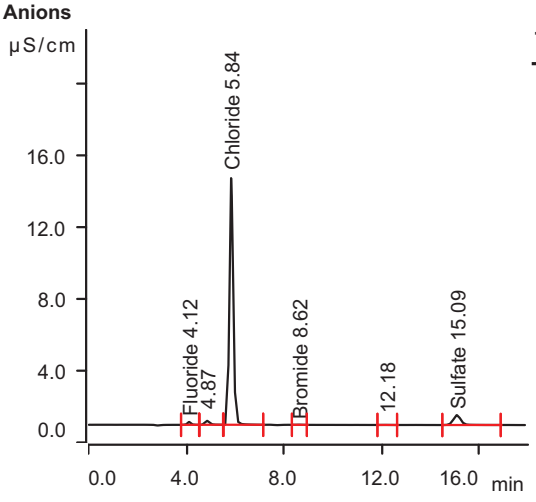


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.3915	2.058	2.058
5.88	Chloride	26.0570	65.014	65.014
6.86	Nitrite	2.4260	2.657	2.657
8.53	Bromide	1.5620	9.556	9.556
9.63	Nitrate	2.5226	2.585	2.585
13.40	Phosphate	0.0053	513.161	513.161
15.01	Sulfate	16.0775	53.438	53.438

Sample data

Ident FA98431-9
Sample type . . . . . Sample
Determination start 2022-09-02 07:13:24
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0275	0.073	0.073
5.84	Chloride	2.4597	6.135	6.135
8.62	Bromide	0.0015	0.114	0.114
15.09	Sulfate	0.1997	0.660	0.660

MagIC Net

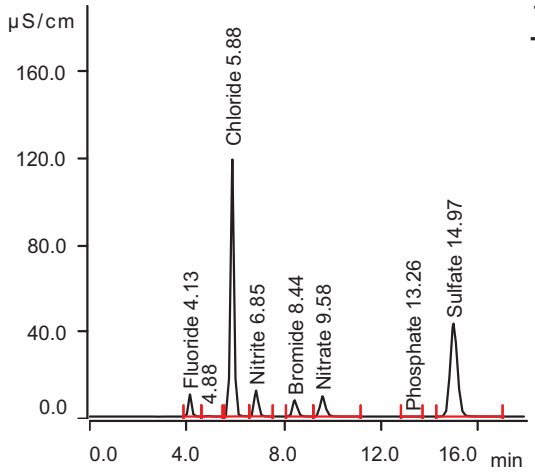
Summary Report

2022-09-02 2:34:25
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-02 07:34:25
Dilution factor 1.00

Anions

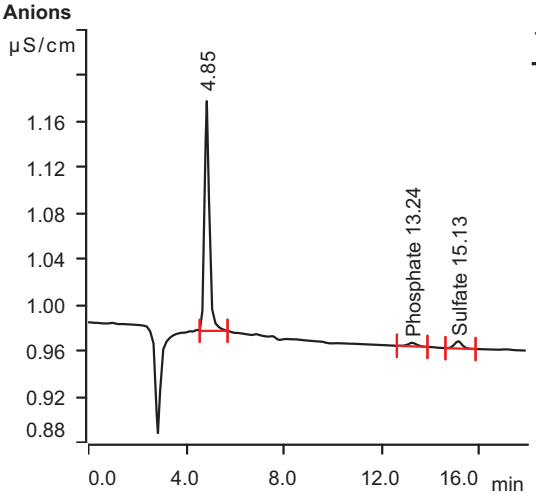


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	1.5981	2.359	2.359
5.88	Chloride	20.2499	50.524	50.524
6.85	Nitrite	2.3209	2.543	2.543
8.44	Bromide	1.7185	10.503	10.503
9.58	Nitrate	2.3846	2.447	2.447
13.26	Phosphate	0.0012	-18.637	-18.637
14.97	Sulfate	14.9767	49.779	49.779

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-02 07:55:33
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
13.24	Phosphate	0.0013	-1.138	-1.138
15.13	Sulfate	0.0024	0.003	0.003

MagIC Net

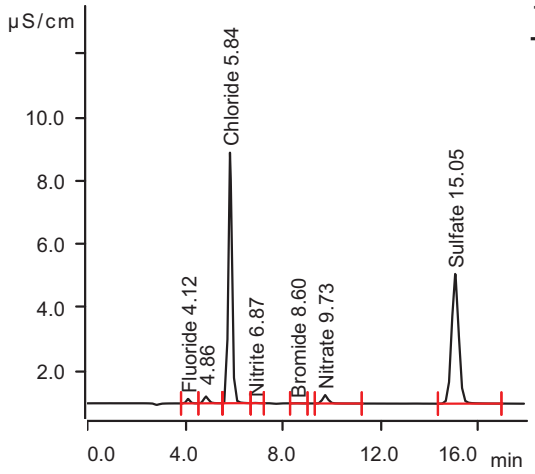
Summary Report

2022-09-02 3:02:50
MagIC Net 3.2 - 123

Sample data

Ident FA98431-7
Sample type . . . . . Sample
Determination start 2022-09-02 08:16:34
Dilution factor 1.00

Anions

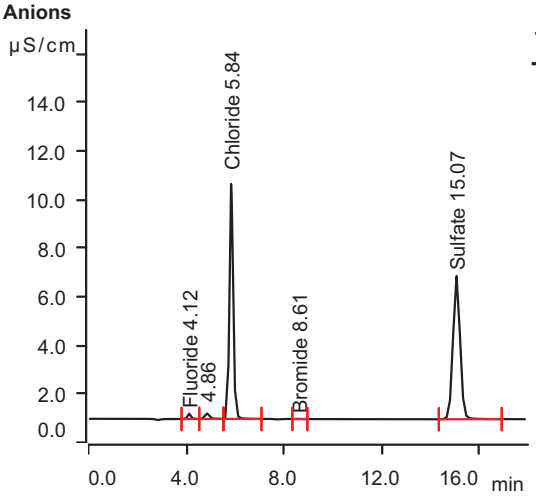


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0243	0.069	0.069
5.84	Chloride	1.3574	3.385	3.385
6.87	Nitrite	0.0016	0.039	0.039
8.60	Bromide	0.0009	0.110	0.110
9.73	Nitrate	0.0696	0.120	0.120
15.05	Sulfate	1.3886	4.611	4.611

Sample data

Ident FA98431-8
Sample type . . . . . Sample
Determination start 2022-09-02 08:37:39
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0369	0.087	0.087
5.84	Chloride	1.6938	4.224	4.224
8.61	Bromide	0.0011	0.112	0.112
15.07	Sulfate	2.0103	6.678	6.678

MagIC Net

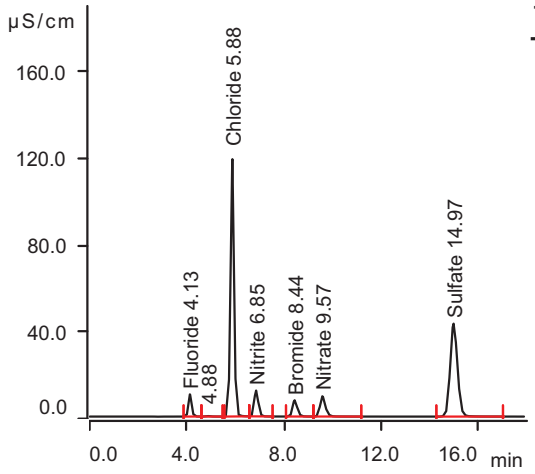
Summary Report

2022-09-02 3:02:50
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-02 08:58:39
Dilution factor 1.00

Anions

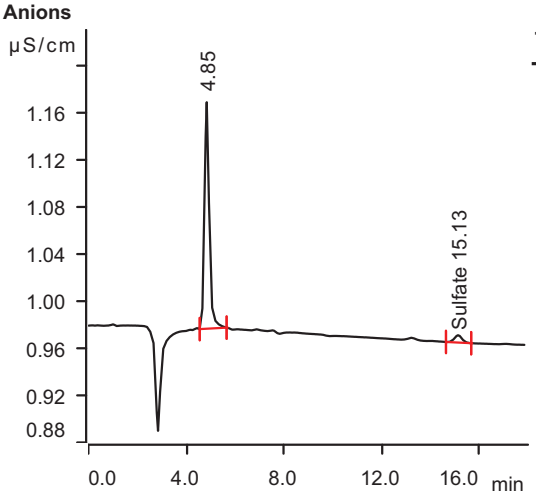


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	1.5950	2.354	2.354
5.88	Chloride	20.1961	50.390	50.390
6.85	Nitrite	2.3152	2.537	2.537
8.44	Bromide	1.7146	10.480	10.480
9.57	Nitrate	2.3790	2.441	2.441
14.97	Sulfate	14.9430	49.667	49.667

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-02 09:19:45
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
15.13	Sulfate	0.0023	0.003	0.003

IC STANDARDS PREP LOG

STANDARD NAME	ANALYTES	STOCK MFG. #	STOCK LOT #	STOCK EXP. DATE	STOCK CONC. (mg/l)	VOLUME ADDED (ml)	TOTAL VOLUME (ml)	STANDARD CONC. (mg/l)	PREP DATE	INITIALS	STD LOT #	EXP. DATE
BI	NO_2/NO_3	IC0139734	Ref	8-31-22	100	1.25	50	2.5	8-31-22	JR	IC0139760	8-31-22
↓	SO_4	GN33802	↓	9-30-22	1000	2.5	↓	50	↓	↓	↓	↓
	Cl	↓ 3		↓	↓	↓		↓				
	F	WC1893	Ianchem	12-28-23		0.125		2.5				
	PO_4	WC1862	Inorganics	10-16-22		↓		↓				
↓	Br	GN33804	Ref	9-30-22	↓	0.5		10			↓	
Std 10	NO_2/NO_3	IC0139771/2	Ref	8-31-22	100	5		10			IC0139777	
↓	SO_4	WC1955	LGC	5-1-23	1000	1		100			↓	
	Cl	53	Fisher	5-1-24	↓	↓		↓				
	F	70	LGC	6-30-23		0.5		10				
	PO_4	29	Spex	4-30-23		↓		↓				
↓	Br	↓ 68	↓	6-30-23	↓	1	↓	20	↓	↓	↓	↓
$1°NO_2$	WC1949	NO_2	Ricca	10-1-22	1000	2.5	25	100	8-31-22	JR	IC0139778	9-1-22
$1°NO_3$	1899	NO_3	Absolute	11-3-24							79	
$2°NO_2$	1975	NO_2		5-18-24							80	
$2°NO_3$	↓ 1976	NO_3	↓	5-12-25	↓	↓	↓	↓			↓ 81	
CLN	NO_2/NO_3	IC0139778/9	Ref	9-1-22	100	5	200	2.5			IC0139782	
↓	SO_4	WC1955	LGC	5-1-23	1000	10		50			↓	
	Cl	53	Fisher	5-1-24	↓	↓		↓				
	F	70	LGC	6-30-23		0.5		2.5				
	Br	↓ 68	Spex	↓	↓	2	↓	10			↓	
BI	NO_2/NO_3	IC0139780/1	Ref	9-1-22	100	1.25	50	0.5			IC0139783	
↓	SO_4	GN33802		9-30-22	1000	25		50			↓	
	Cl	↓ 3			↓	↓		↓				
	F	IC0139907			100	1.25		2.5				
↓	Br	GN33804		↓	1000	0.5		10			↓	
Std 10	NO_2/NO_3	IC0139778/9	↓	9-1-22	100	5		10			IC0139784	
↓	SO_4	WC1955	LGC	5-1-23	1000	1		100			↓	
	Cl	53	Fisher	5-1-24	↓	↓		↓				
	F	70	LGC	6-30-23		0.5		10				
↓	Br	↓ 68	Spex	↓	↓	1	↓	20	↓	↓	↓	↓
$1°NO_2$	NO_2	WC1949	Ricca	10-1-22	1000	2.5	25	100	9-2-22	JR	IC0139785	9-3-22
$1°NO_3$	NO_3	1899	Absolute	11-3-24	↓	↓	↓	↓	↓		↓ 6 7	↓
$2°NO_2$	NO_2	↓ 1975	↓	5-18-24	↓	↓	↓	↓	↓			

IC STANDARDS PREP LOG

JR 9/2/22

STANDARD NAME	ANALYTES	STOCK MFG. #	STOCK LOT #	STOCK EXP. DATE	STOCK CONC. (mg/l)	VOLUME ADDED (ml)	TOTAL VOLUME (ml)	STANDARD CONC. (mg/l)	PREP DATE	INITIALS	STD LOT #	EXP. DATE
2°NO3	HO_3	WC1976	Absolute	5-12-25	1000	2.5	25	100	9-2-22	JR	ICO13988	9-3-22
CW	HO_2 | NO_3	ICO13985/6	Ref	9-3-22	100	5	200	2.5			ICO13989	
↓	SO_4	WC1955	LGC	5-1-23	1000	10		50				
	Cl	53	fisher	5-1-24		↓		↓				
	F	70	LGC	6-30-23		0.5		2.5				
↓	Br	68	Spex	↓	↓	2	↓	10			↓	
B1	NO_2 | NO_3	ICO13987/8	Ref	9-3-22	100	1.25	50	2.5			ICO13990	
	SO_4	GN433802		9-30-22	1000	2.5		50				
	Cl	↓ 3			↓	↓		↓				
	F	ICO13907			100	1.25		2.5				
↓	Br	GN433804	↓	↓	1000	0.5	↓	10	↓	↓	↓	↓

IC Instrument Log

Method: EPA300.0 / SW846 9056A (circle one)

Date:	9/2/22 9:40
Analyst:	DR
Instrument:	#4
Inst. File Name:	420220902O1.CSV

Prep Batchs:	38006e 7
Analytical Batch:	92235
Calibration Date:	8/31/22
Pump pressure:	10.12MPa

Vial lot#	186254-E234669
Cap lot#	
Syringe lot#	
Filter lot#	

Standards	
ICAL:	
ICV:	
CCV:	IC013989
QC:	↓ 90

Sample#	Bot#	Matrix	Scon	DF	Filter (y/n)	Ions Needed F	Cl	NO2	Br	NO3	SO4	Results OK or Dilution Needed (1)F	Cl	NO2	Br	NO3	SO4	Comments
																		(1)Ok unless marked
CCV	-	AQ	-	1	N													
CCB	-		-															
MB	-		-															
B1	-		-									F↓						
FA98609-1	1e		1	644								RR					RR	
-2			10	104														
-251			↓	↓														
-252			↓	↓														
-3			1	520													RR	
-4			10	1810													RR	
-5			↓	2.3m													RR	
-6			1	515													RR	
CCV	-		-	1														
CCB	-		-	↓														
FA98609-7	1e		491	↓								RR					RR	
-7	↓		↓	5								↓						
B1	-		-	1														DMR
FA98609-1	1e		644	10								RR						
-3			520	↓														
-4			1810	25														
-5			2.3m	50														
-6			515	5														
-8			1038	25														
-9	↓		1413	↓								↓						
CCV	-		-	1														
CCB	-		-	↓														
FA98587-5	1D		10m	10														
FA98376e-1	1	↓	13m	50	↓													

IC Instrument Log

Method: EPA300.0 / SW846 9056A (circle one)

Date:	9/2/22 (cont.)
Analyst:	
Instrument:	
Inst. File Name:	

Prep Batchs:	
Analytical Batch:	
Calibration Date:	
Pump pressure:	

Vial lot#	
Cap lot#	
Syringe lot#	
Filter lot#	

Standards	
ICAL:	
ICV:	
CCV:	
QC:	

Sample#	Bot#	Matrix	Scon	DF	Filter (y/n)	Ions Needed F	Cl	NO2	Br	NO3	SO4	Results OK or Dilution Needed F	Cl	NO2	Br	NO3	SO4	Comments
FA98376-183	1	AQ	13mS	50	N													
-184	↓		↓	↓														
FA98374-6	4		5847N	5														Dilution due to dark purple color
-7	↓		9246N	↓														
FA98573-1	2		857N	5														
-2			720N	↓														
-3			510N	1														
-4	↓		1353N	10														
CW	-		-	1														
CW3	-		-	↓														
FA98573-5	2		830N	5														
-6			1301N	10														
-7	↓		954N	5														
MB1	-		-	1														
B1	-		-	↓														
FA98573-8	2		1273N	10														
-851																		
-852			↓	↓														
-9			703N	5														
-10	↓		909N	↓														
CW	-		-	1														
CW3	-		-	↓														
FA98573-11	8		832N	5														
-12			1010N	10														
-13			767N	5														
-14			824N	↓														
-15	↓		1097N	10														
-16	↓	↓	1109N	↓	↓	↓	↓	↓	↓	↓	↓							

IC Instrument Log

Method: EPA300.0 / SW846 9056A (circle one)

Date:	9-2-22 (cont.)
Analyst:	
Instrument:	
Inst. File Name:	

Prep Batchs:	
Analytical Batch:	
Calibration Date:	
Pump pressure:	

Vial lot#	
Cap lot#	
Syringe lot#	
Filter lot#	

Standards	
ICAL:	
ICV:	
CCV:	
QC:	

Sample#	Bot#	Matrix	Scon	DF	Filter (y/n)	Ions Needed						Results OK or Dilution Needed						Comments
						F	Cl	NO2	Br	NO3	SO4	F	Cl	NO2	Br	NO3	SO4	
FA98573-17	2	AQ	168N	5	N		—				—							
↓ -18	↓	↓	726N	↓	↓		—				—							
FA98431-6	28		263N	↓			—				—							
↓ 653	↓		↓				—				—							
CCV	-		-				—				—							
CCB	-		-				—				—							
FA98431-654	28		263N				—				—							
↓ -11	10		363N				—				—							
CCV	-		-				—				—							
CCB	-	↓	-	↓	↓		—				—							

Jr 9/3/22

MagIC Net

2022-09-07 10:10:18

Sample data

Ident	STDK
Sample type	Standard 10
Determination start	2022-08-31 12:59:37 UTC-4
Method	SGS In-Vial Anions191003A
Operator	JR

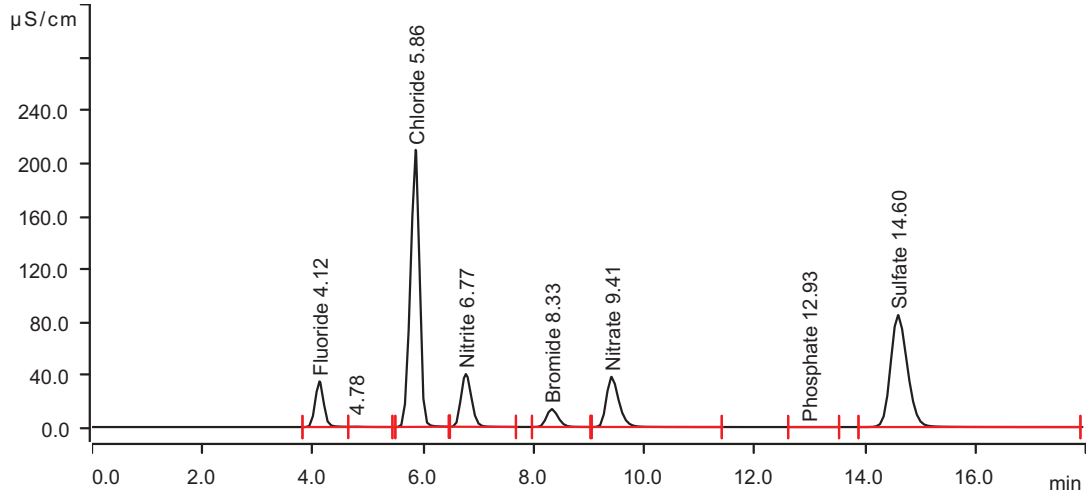
Anions

Data source	Conductivity detector 1 (930 Compact IC Flex 1)	
Channel	Conductivity	
Recording time	18.0	min
Integration	Automatically	
Column type	Metrosep A Supp 5 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	10.12	MPa
Maximum pressure monitored	yes	
Temperature	30.0	°C

MagIC Net

2022-09-07 10:10:18

Anions

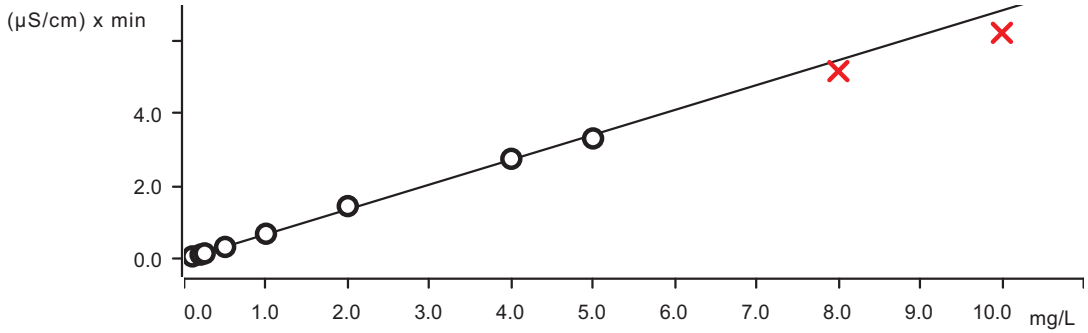


Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration mg/L	Component name
1	4.120	6.2325	34.422	9.102	Fluoride
2	4.778	0.0765	0.255	invalid	
3	5.862	40.0167	209.006	99.845	Chloride
4	6.770	8.7458	39.773	9.480	Nitrite
5	8.325	3.3397	13.470	20.314	Bromide
6	9.408	9.9541	37.813	10.054	Nitrate
7	12.928	0.0013	0.003	-7.409	Phosphate
8	14.595	29.8823	84.448	99.326	Sulfate

MagIC Net

2022-09-07 10:10:18

Fluoride (Anions)



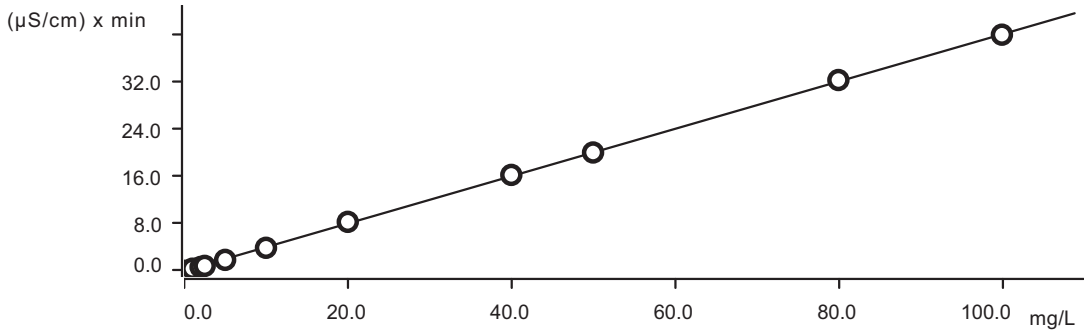
Function: . . . . . *A = - 0.0228114 + 0.0343632× Q*

Relative standard deviation . . . . . *5.203924 %*

Correlation coefficient *0.999149*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-08-31 09:24:19 UTC-4
Standard 1	1	0.100	20.0	1.0	1.0	0.0540	STDB	2022-08-31 09:50:02 UTC-4
Standard 2	1	0.200	20.0	1.0	1.0	0.1031	STDC	2022-08-31 10:11:07 UTC-4
Standard 3	1	0.250	20.0	1.0	1.0	0.1369	STDD	2022-08-31 10:32:12 UTC-4
Standard 4	1	0.500	20.0	1.0	1.0	0.3157	STDE	2022-08-31 10:53:17 UTC-4
Standard 5	1	1.000	20.0	1.0	1.0	0.6804	STDF	2022-08-31 11:14:20 UTC-4
Standard 6	1	2.000	20.0	1.0	1.0	1.4441	STDG	2022-08-31 11:35:24 UTC-4
Standard 7	1	4.000	20.0	1.0	1.0	2.7511	STDH	2022-08-31 11:56:27 UTC-4
Standard 8	1	5.000	20.0	1.0	1.0	3.3141	STDI	2022-08-31 12:17:31 UTC-4
Standard 9	1	8.000	20.0	1.0	1.0	5.1743	STDJ	2022-08-31 12:38:34 UTC-4
Standard 10	1	10.000	20.0	1.0	1.0	6.2326	STDK	2022-08-31 12:59:37 UTC-4

Chloride (Anions)



MagIC Net

2022-09-07 10:10:18

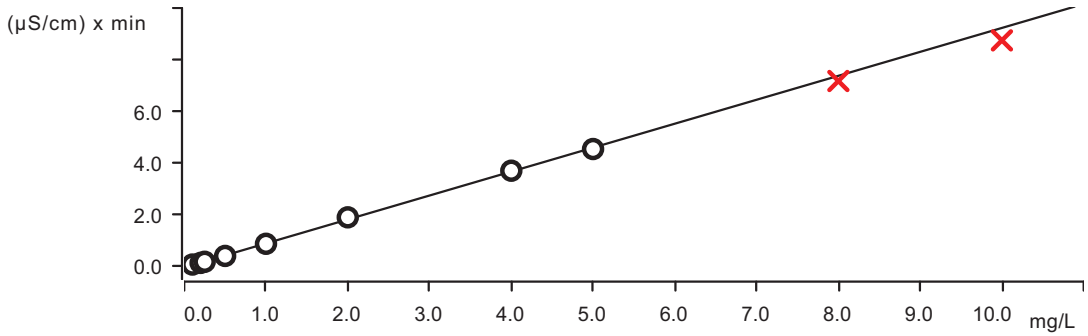
Function: . . . . . *A = 7.90932E-4 + 0.0200390× Q*

Relative standard deviation . . . . . *1.606451 %*

Correlation coefficient *0.999925*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	0.0021	STDA	2022-08-31 09:24:19 UTC-4
Standard 1	1	1.000	20.0	1.0	1.0	0.3555	STDB	2022-08-31 09:50:02 UTC-4
Standard 2	1	2.000	20.0	1.0	1.0	0.6446	STDC	2022-08-31 10:11:07 UTC-4
Standard 3	1	2.500	20.0	1.0	1.0	0.8365	STDD	2022-08-31 10:32:12 UTC-4
Standard 4	1	5.000	20.0	1.0	1.0	1.8535	STDE	2022-08-31 10:53:17 UTC-4
Standard 5	1	10.000	20.0	1.0	1.0	3.9002	STDF	2022-08-31 11:14:20 UTC-4
Standard 6	1	20.000	20.0	1.0	1.0	8.2978	STDG	2022-08-31 11:35:24 UTC-4
Standard 7	1	40.000	20.0	1.0	1.0	16.2573	STDH	2022-08-31 11:56:27 UTC-4
Standard 8	1	50.000	20.0	1.0	1.0	20.0549	STDI	2022-08-31 12:17:31 UTC-4
Standard 9	1	80.000	20.0	1.0	1.0	32.3369	STDJ	2022-08-31 12:38:34 UTC-4
Standard 10	1	100.000	20.0	1.0	1.0	40.0203	STDK	2022-08-31 12:59:37 UTC-4

Nitrite (Anions)



Function: . . . . . *A = - 0.0348278 + 0.0463109× Q*

Relative standard deviation . . . . . *3.049508 %*

Correlation coefficient *0.999717*

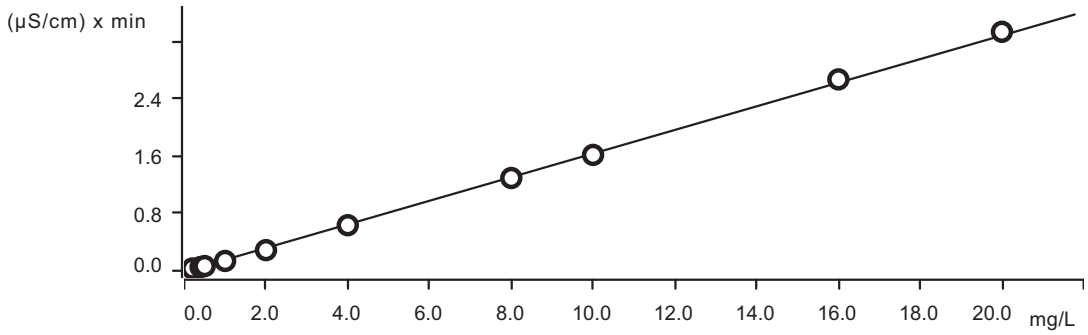
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-08-31 09:24:19 UTC-4
Standard 1	1	0.100	20.0	1.0	1.0	0.0737	STDB	2022-08-31 09:50:02 UTC-4
Standard 2	1	0.200	20.0	1.0	1.0	0.1372	STDC	2022-08-31 10:11:07 UTC-4
Standard 3	1	0.250	20.0	1.0	1.0	0.1805	STDD	2022-08-31 10:32:12 UTC-4
Standard 4	1	0.500	20.0	1.0	1.0	0.4066	STDE	2022-08-31 10:53:17 UTC-4
Standard 5	1	1.000	20.0	1.0	1.0	0.8761	STDF	2022-08-31 11:14:20 UTC-4

MagIC Net

2022-09-07 10:10:18

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 6	1	2.000	20.0	1.0	1.0	1.9002	STDG	2022-08-31 11:35:24 UTC-4
Standard 7	1	4.000	20.0	1.0	1.0	3.7035	STDH	2022-08-31 11:56:27 UTC-4
Standard 8	1	5.000	20.0	1.0	1.0	4.5429	STDI	2022-08-31 12:17:31 UTC-4
Standard 9	1	8.000	20.0	1.0	1.0	7.1743	STDJ	2022-08-31 12:38:34 UTC-4
Standard 10	1	10.000	20.0	1.0	1.0	8.7458	STDK	2022-08-31 12:59:37 UTC-4

Bromide (Anions)



Function: . . . . . *A = - 0.0173015 + 8.26289E-3× Q*

Relative standard deviation . . . . . *2.905485 %*

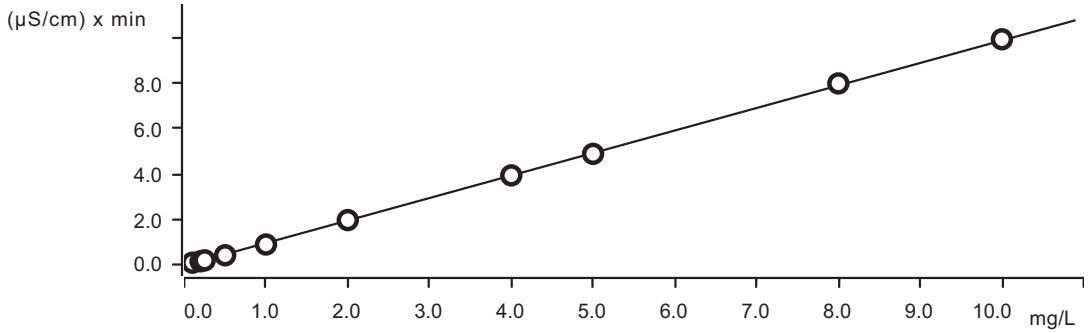
Correlation coefficient *0.999733*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-08-31 09:24:19 UTC-4
Standard 1	1	0.200	20.0	1.0	1.0	0.0257	STDB	2022-08-31 09:50:02 UTC-4
Standard 2	1	0.400	20.0	1.0	1.0	0.0462	STDC	2022-08-31 10:11:07 UTC-4
Standard 3	1	0.500	20.0	1.0	1.0	0.0599	STDD	2022-08-31 10:32:12 UTC-4
Standard 4	1	1.000	20.0	1.0	1.0	0.1314	STDE	2022-08-31 10:53:17 UTC-4
Standard 5	1	2.000	20.0	1.0	1.0	0.2829	STDF	2022-08-31 11:14:20 UTC-4
Standard 6	1	4.000	20.0	1.0	1.0	0.6320	STDG	2022-08-31 11:35:24 UTC-4
Standard 7	1	8.000	20.0	1.0	1.0	1.2930	STDH	2022-08-31 11:56:27 UTC-4
Standard 8	1	10.000	20.0	1.0	1.0	1.6166	STDI	2022-08-31 12:17:31 UTC-4
Standard 9	1	16.000	20.0	1.0	1.0	2.6738	STDJ	2022-08-31 12:38:34 UTC-4
Standard 10	1	20.000	20.0	1.0	1.0	3.3401	STDK	2022-08-31 12:59:37 UTC-4

MagIC Net

2022-09-07 10:10:18

Nitrate (Anions)



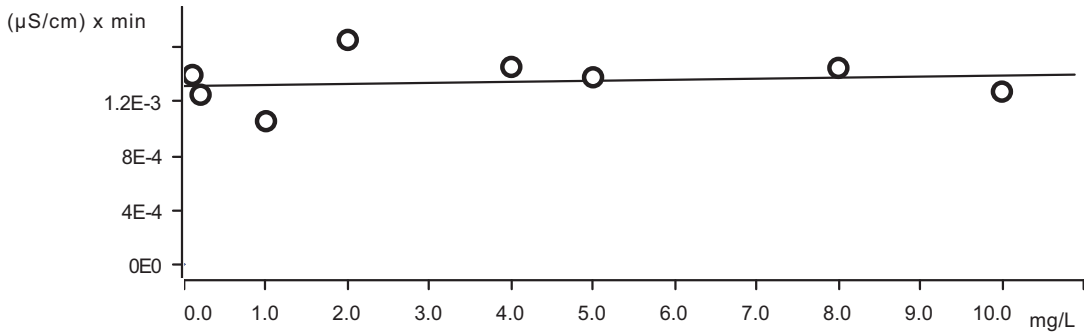
Function: . . . . . *A = - 0.0496791 + 0.0497497× Q*

Relative standard deviation . . . . . *1.660513 %*

Correlation coefficient *0.999911*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-08-31 09:24:19 UTC-4
Standard 1	1	0.100	20.0	1.0	1.0	0.0762	STDB	2022-08-31 09:50:02 UTC-4
Standard 2	1	0.200	20.0	1.0	1.0	0.1380	STDC	2022-08-31 10:11:07 UTC-4
Standard 3	1	0.250	20.0	1.0	1.0	0.1805	STDD	2022-08-31 10:32:12 UTC-4
Standard 4	1	0.500	20.0	1.0	1.0	0.4038	STDE	2022-08-31 10:53:17 UTC-4
Standard 5	1	1.000	20.0	1.0	1.0	0.8803	STDF	2022-08-31 11:14:20 UTC-4
Standard 6	1	2.000	20.0	1.0	1.0	1.9608	STDG	2022-08-31 11:35:24 UTC-4
Standard 7	1	4.000	20.0	1.0	1.0	3.9359	STDH	2022-08-31 11:56:27 UTC-4
Standard 8	1	5.000	20.0	1.0	1.0	4.8894	STDI	2022-08-31 12:17:31 UTC-4
Standard 9	1	8.000	20.0	1.0	1.0	8.0021	STDJ	2022-08-31 12:38:34 UTC-4
Standard 10	1	10.000	20.0	1.0	1.0	9.9542	STDK	2022-08-31 12:59:37 UTC-4

Phosphate (Anions)



MagIC Net

2022-09-07 10:10:18

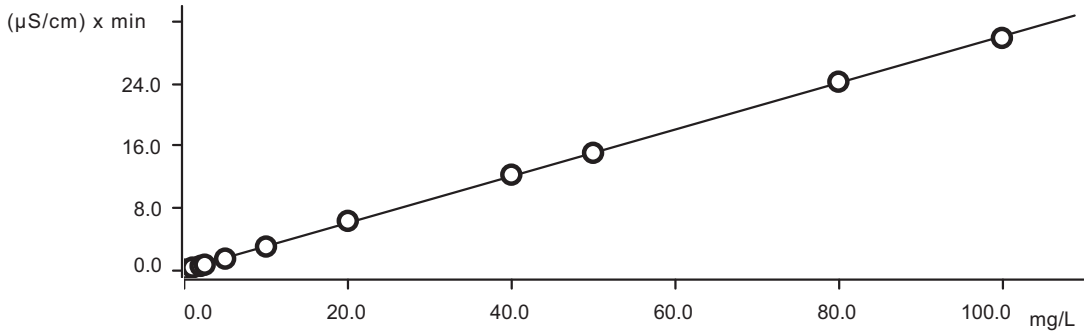
Function: . . . . . *A = 1.31440E-3 + 3.85460E-7× Q*

Relative standard deviation . . . . . *14.013733 %*

Correlation coefficient *0.000000*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	n. d.	STDA	2022-08-31 09:24:19 UTC-4
Standard 1	1	0.100	20.0	1.0	1.0	0.0014	STDB	2022-08-31 09:50:02 UTC-4
Standard 2	1	0.200	20.0	1.0	1.0	0.0013	STDC	2022-08-31 10:11:07 UTC-4
Standard 3	1	0.250	20.0	1.0	1.0	n. d.	STDD	2022-08-31 10:32:12 UTC-4
Standard 4	1	0.500	20.0	1.0	1.0	n. d.	STDE	2022-08-31 10:53:17 UTC-4
Standard 5	1	1.000	20.0	1.0	1.0	0.0011	STDF	2022-08-31 11:14:20 UTC-4
Standard 6	1	2.000	20.0	1.0	1.0	0.0017	STDG	2022-08-31 11:35:24 UTC-4
Standard 7	1	4.000	20.0	1.0	1.0	0.0015	STDH	2022-08-31 11:56:27 UTC-4
Standard 8	1	5.000	20.0	1.0	1.0	0.0014	STDI	2022-08-31 12:17:31 UTC-4
Standard 9	1	8.000	20.0	1.0	1.0	0.0014	STDJ	2022-08-31 12:38:34 UTC-4
Standard 10	1	10.000	20.0	1.0	1.0	0.0013	STDK	2022-08-31 12:59:37 UTC-4

Sulfate (Anions)



Function: . . . . . *A = 1.32878E-3 + 0.0150418× Q*

Relative standard deviation . . . . . *1.868086 %*

Correlation coefficient *0.999898*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 100	1	0.000	20.0	1.0	1.0	0.0032	STDA	2022-08-31 09:24:19 UTC-4
Standard 1	1	1.000	20.0	1.0	1.0	0.2644	STDB	2022-08-31 09:50:02 UTC-4
Standard 2	1	2.000	20.0	1.0	1.0	0.4852	STDC	2022-08-31 10:11:07 UTC-4
Standard 3	1	2.500	20.0	1.0	1.0	0.6364	STDD	2022-08-31 10:32:12 UTC-4
Standard 4	1	5.000	20.0	1.0	1.0	1.4173	STDE	2022-08-31 10:53:17 UTC-4
Standard 5	1	10.000	20.0	1.0	1.0	2.9771	STDF	2022-08-31 11:14:20 UTC-4

MagIC Net

2022-09-07 10:10:18

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date
Standard 6	1	20.000	20.0	1.0	1.0	6.2907	STDG	2022-08-31 11:35:24 UTC-4
Standard 7	1	40.000	20.0	1.0	1.0	12.2459	STDH	2022-08-31 11:56:27 UTC-4
Standard 8	1	50.000	20.0	1.0	1.0	15.0658	STDI	2022-08-31 12:17:31 UTC-4
Standard 9	1	80.000	20.0	1.0	1.0	24.2369	STDJ	2022-08-31 12:38:34 UTC-4
Standard 10	1	100.000	20.0	1.0	1.0	29.8820	STDK	2022-08-31 12:59:37 UTC-4

MagIC Net

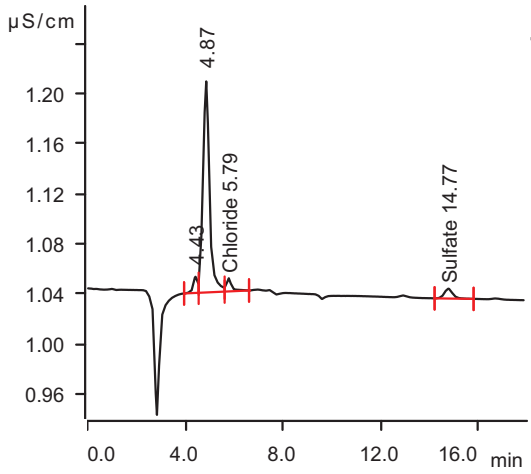
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDA
Sample type . . . . . Standard 100
Determination start 2022-08-31 09:24:19
Dilution factor 1.00

Anions

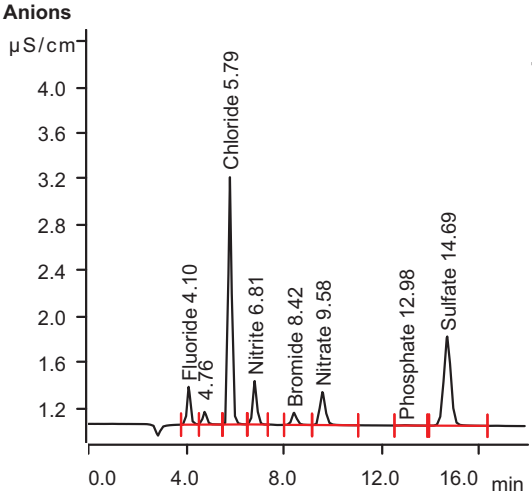


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
5.79	Chloride	0.0026	0.005	0.005
14.77	Sulfate	0.0032	0.006	0.006

Sample data

Ident . . . . . STDB
Sample type . . . . . Standard 1
Determination start 2022-08-31 09:50:02
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0540	0.112	0.112
5.79	Chloride	0.3554	0.885	0.885
6.81	Nitrite	0.0737	0.117	0.117
8.42	Bromide	0.0257	0.260	0.260
9.58	Nitrate	0.0763	0.127	0.127
12.98	Phosphate	0.0014	10.959	10.959
14.69	Sulfate	0.2644	0.874	0.874

MagIC Net

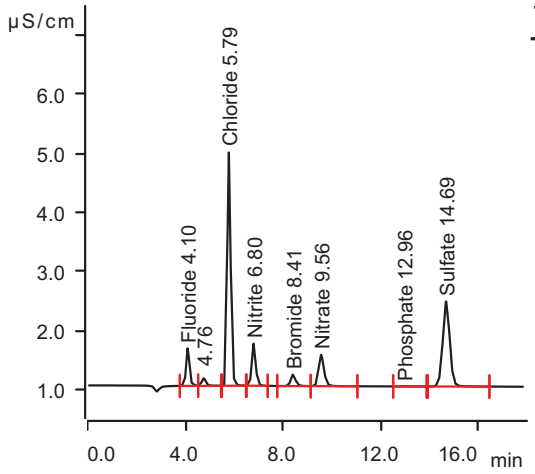
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDC
Sample type . . . . . Standard 2
Determination start 2022-08-31 10:11:07
Dilution factor 1.00

Anions

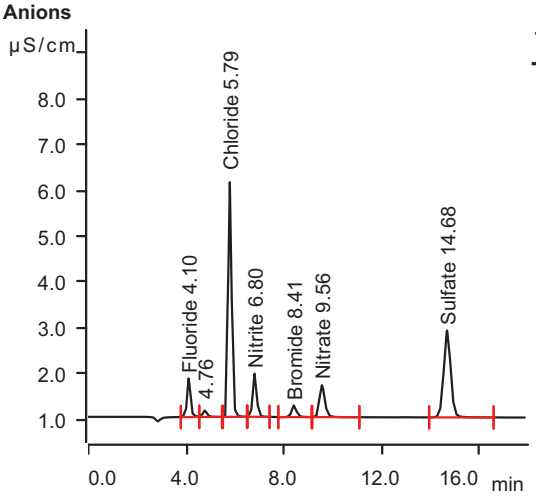


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.1031	0.183	0.183
5.79	Chloride	0.6445	1.606	1.606
6.80	Nitrite	0.1372	0.186	0.186
8.41	Bromide	0.0468	0.388	0.388
9.56	Nitrate	0.1380	0.189	0.189
12.96	Phosphate	0.0012	-8.757	-8.757
14.69	Sulfate	0.4852	1.609	1.609

Sample data

Ident . . . . . STDD
Sample type . . . . . Standard 3
Determination start 2022-08-31 10:32:12
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.1369	0.232	0.232
5.79	Chloride	0.8365	2.085	2.085
6.80	Nitrite	0.1805	0.232	0.232
8.41	Bromide	0.0604	0.470	0.470
9.56	Nitrate	0.1805	0.231	0.231
14.68	Sulfate	0.6363	2.111	2.111

MagIC Net

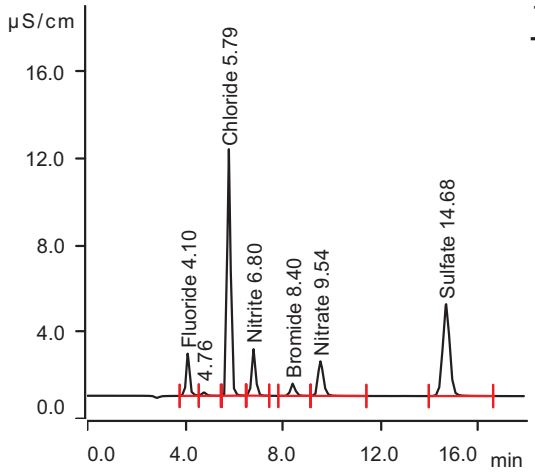
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDE
Sample type . . . . . Standard 4
Determination start 2022-08-31 10:53:17
Dilution factor 1.00

Anions

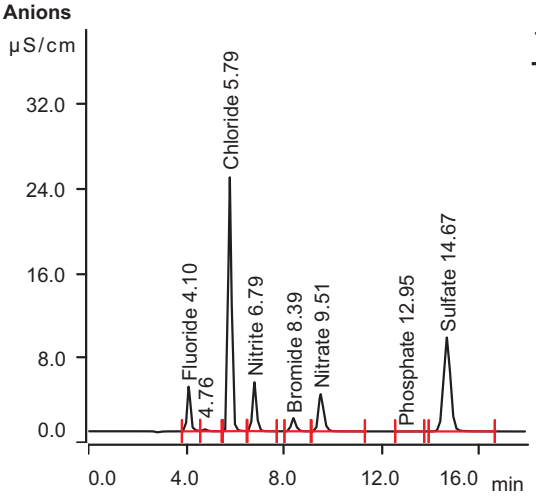


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.3157	0.493	0.493
5.79	Chloride	1.8533	4.622	4.622
6.80	Nitrite	0.4066	0.477	0.477
8.40	Bromide	0.1316	0.901	0.901
9.54	Nitrate	0.4038	0.456	0.456
14.68	Sulfate	1.4172	4.707	4.707

Sample data

Ident . . . . . STDF
Sample type . . . . . Standard 5
Determination start 2022-08-31 11:14:20
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.6804	1.023	1.023
5.79	Chloride	3.8999	9.729	9.729
6.79	Nitrite	0.8783	0.986	0.986
8.39	Bromide	0.2828	1.816	1.816
9.51	Nitrate	0.8803	0.935	0.935
12.95	Phosphate	0.0010	-35.777	-35.777
14.67	Sulfate	2.9771	9.892	9.892

MagIC Net

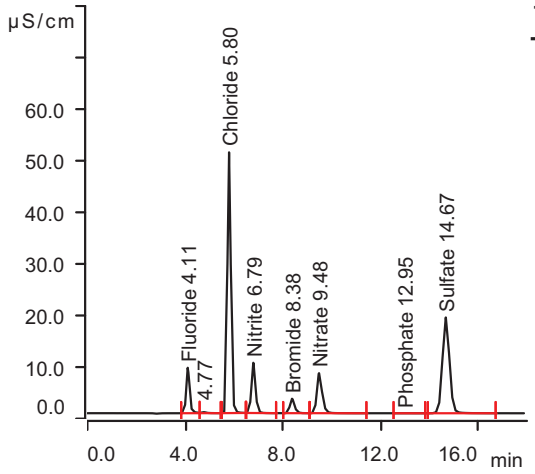
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDG
Sample type . . . . . Standard 6
Determination start 2022-08-31 11:35:24
Dilution factor 1.00

Anions

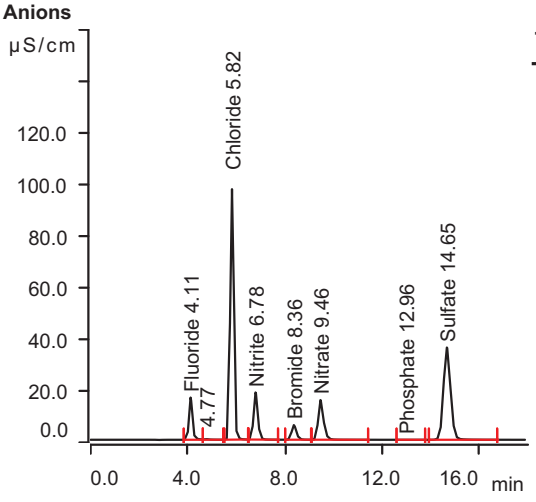


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.4441	2.134	2.134
5.80	Chloride	8.2972	20.701	20.701
6.79	Nitrite	1.9002	2.089	2.089
8.38	Bromide	0.6319	3.929	3.929
9.48	Nitrate	1.9608	2.021	2.021
12.95	Phosphate	0.0016	43.256	43.256
14.67	Sulfate	6.2911	20.908	20.908

Sample data

Ident . . . . . STDH
Sample type . . . . . Standard 7
Determination start 2022-08-31 11:56:27
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	2.7510	4.036	4.036
5.82	Chloride	16.2561	40.559	40.559
6.78	Nitrite	3.7035	4.036	4.036
8.36	Bromide	1.2929	7.928	7.928
9.46	Nitrate	3.9359	4.006	4.006
12.96	Phosphate	0.0015	17.966	17.966
14.65	Sulfate	12.2464	40.703	40.703

MagIC Net

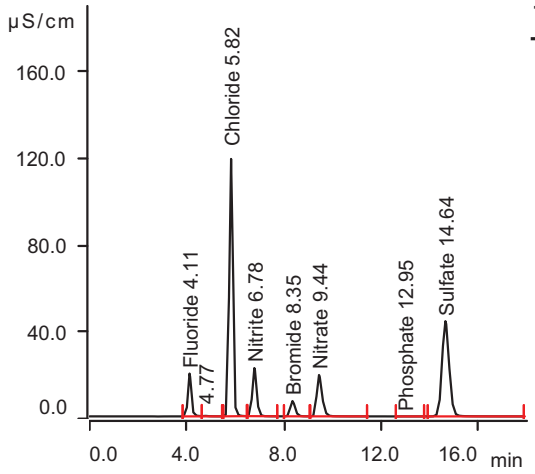
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDI
Sample type . . . . . Standard 8
Determination start 2022-08-31 12:17:31
Dilution factor 1.00

Anions

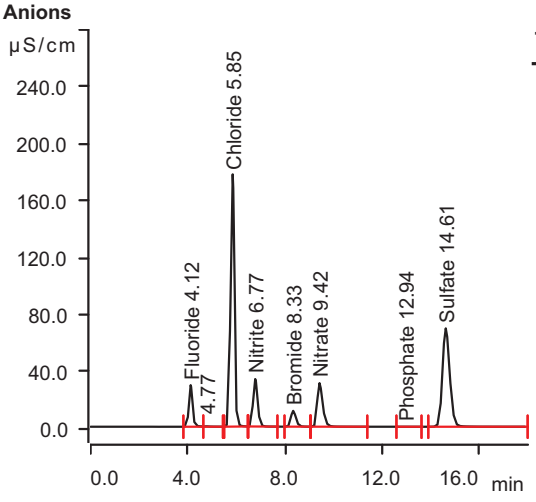


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	3.3140	4.855	4.855
5.82	Chloride	20.0534	50.034	50.034
6.78	Nitrite	4.5429	4.942	4.942
8.35	Bromide	1.6164	9.886	9.886
9.44	Nitrate	4.8894	4.964	4.964
12.95	Phosphate	0.0014	7.128	7.128
14.64	Sulfate	15.0708	50.092	50.092

Sample data

Ident . . . . . STDJ
Sample type . . . . . Standard 9
Determination start 2022-08-31 12:38:34
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	5.1741	7.562	7.562
5.85	Chloride	32.3341	80.676	80.676
6.77	Nitrite	7.1743	7.783	7.783
8.33	Bromide	2.6735	16.282	16.282
9.42	Nitrate	8.0020	8.092	8.092
12.94	Phosphate	0.0014	17.292	17.292
14.61	Sulfate	24.2368	80.560	80.560

MagIC Net

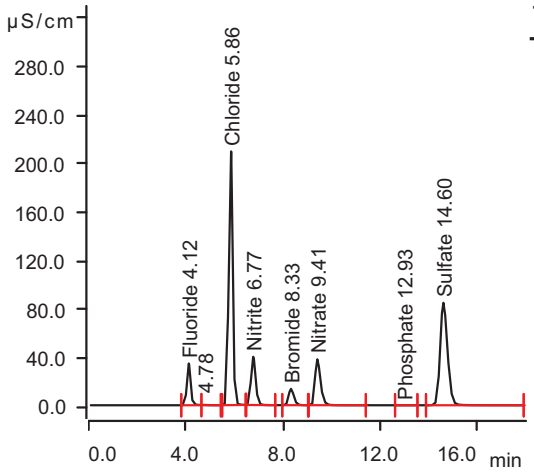
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident . . . . . STDK
Sample type . . . . . Standard 10
Determination start 2022-08-31 12:59:37
Dilution factor 1.00

Anions

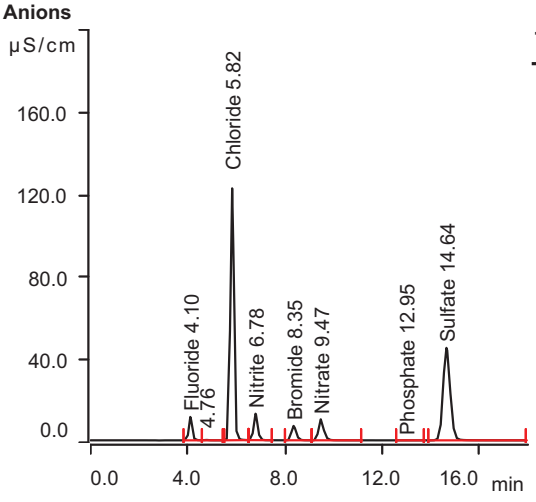


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	6.2325	9.102	9.102
5.86	Chloride	40.0167	99.845	99.845
6.77	Nitrite	8.7458	9.480	9.480
8.33	Bromide	3.3397	20.314	20.314
9.41	Nitrate	9.9541	10.054	10.054
12.93	Phosphate	0.0013	-7.409	-7.409
14.60	Sulfate	29.8823	99.326	99.326

Sample data

Ident ICV
Sample type . . . . . Sample
Determination start 2022-08-31 13:30:03
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	1.8199	2.681	2.681
5.82	Chloride	20.6797	51.597	51.597
6.78	Nitrite	2.4903	2.726	2.726
8.35	Bromide	1.5888	9.719	9.719
9.47	Nitrate	2.5809	2.644	2.644
12.95	Phosphate	0.0012	-12.717	-12.717
14.64	Sulfate	15.3703	51.087	51.087

MagIC Net

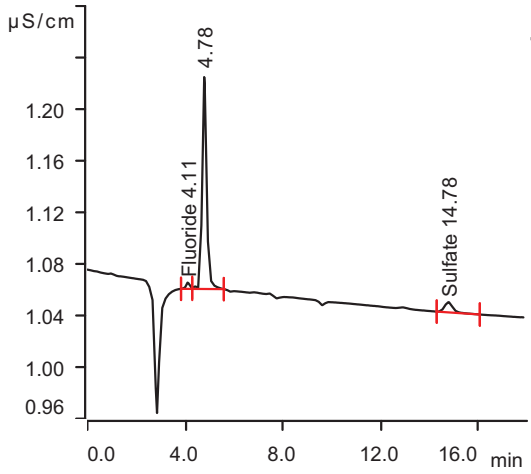
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident . . . . . ICB
Sample type . . . . . Sample
Determination start 2022-08-31 14:02:24
Dilution factor 1.00

Anions

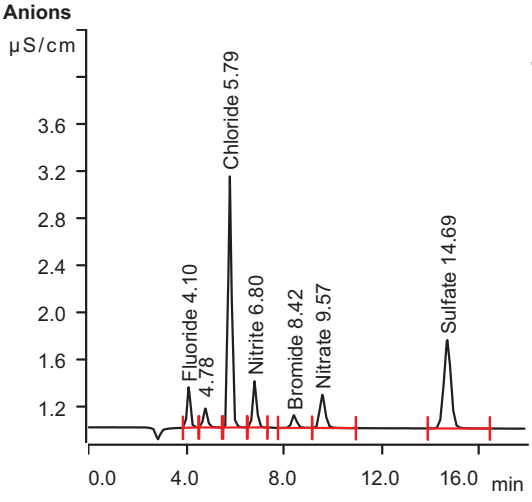


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0009	0.034	0.034
14.78	Sulfate	0.0032	0.006	0.006

Sample data

Ident . . . . . CRI
Sample type . . . . . Sample
Determination start 2022-08-31 14:23:24
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0540	0.112	0.112
5.79	Chloride	0.3470	0.864	0.864
6.80	Nitrite	0.0756	0.119	0.119
8.42	Bromide	0.0266	0.266	0.266
9.57	Nitrate	0.0740	0.124	0.124
14.69	Sulfate	0.2537	0.839	0.839

MagIC Net

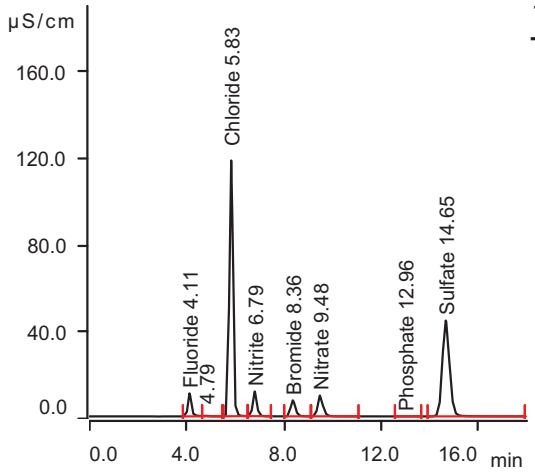
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-08-31 14:44:26
Dilution factor 1.00

Anions

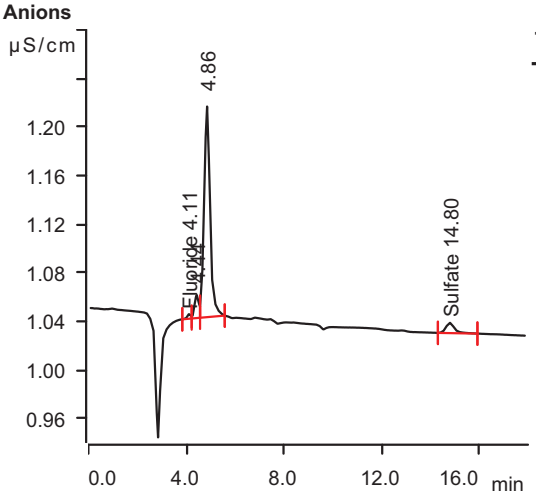


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.8331	2.700	2.700
5.83	Chloride	20.0061	49.916	49.916
6.79	Nitrite	2.2220	2.437	2.437
8.36	Bromide	1.6844	10.297	10.297
9.48	Nitrate	2.4268	2.489	2.489
12.96	Phosphate	0.0011	-25.692	-25.692
14.65	Sulfate	15.3452	51.004	51.004

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-08-31 15:05:38
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0006	0.034	0.034
14.80	Sulfate	0.0035	0.007	0.007

MagIC Net

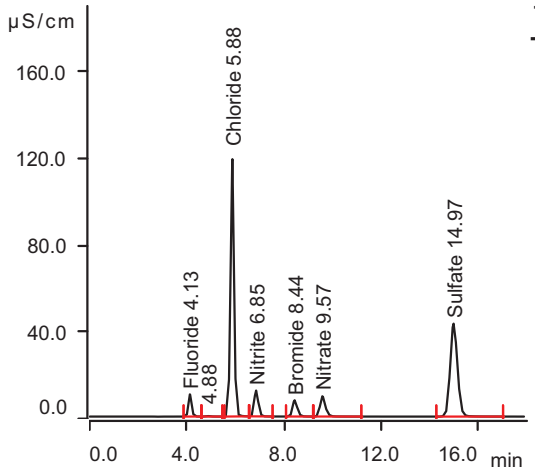
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-02 08:58:39
Dilution factor 1.00

Anions

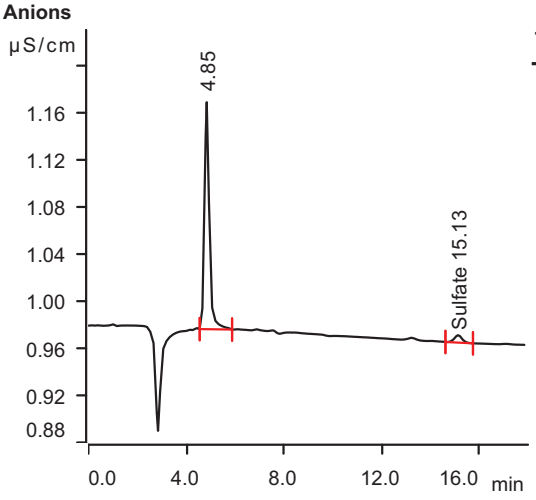


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	1.5950	2.354	2.354
5.88	Chloride	20.1948	50.387	50.387
6.85	Nitrite	2.3152	2.537	2.537
8.44	Bromide	1.7145	10.479	10.479
9.57	Nitrate	2.3790	2.441	2.441
14.97	Sulfate	14.9430	49.667	49.667

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-02 09:19:45
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
15.13	Sulfate	0.0023	0.003	0.003

MagIC Net

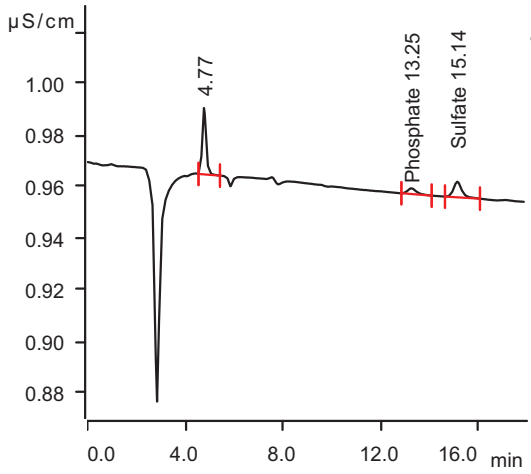
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident MB1
Sample type . . . . . Sample
Determination start 2022-09-02 09:40:47
Dilution factor 1.00

Anions

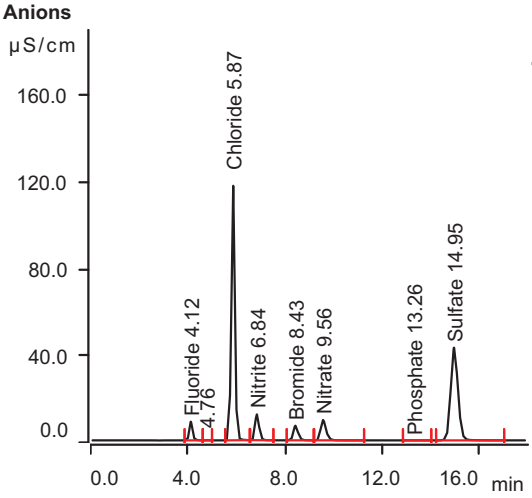


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
13.25	Phosphate	0.0009	-50.441	-50.441
15.14	Sulfate	0.0024	0.003	0.003

Sample data

Ident B1
Sample type . . . . . Sample
Determination start 2022-09-02 10:06:25
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	1.3523	2.001	2.001
5.87	Chloride	19.9857	49.865	49.865
6.84	Nitrite	2.3146	2.537	2.537
8.43	Bromide	1.5448	9.453	9.453
9.56	Nitrate	2.3937	2.456	2.456
13.26	Phosphate	0.0018	60.577	60.577
14.95	Sulfate	14.9097	49.557	49.557

MagIC Net

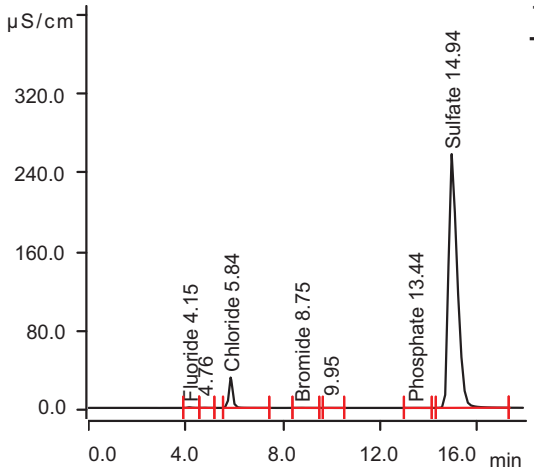
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98609-1
Sample type . . . . . Sample
Determination start 2022-09-02 12:02:53
Dilution factor 1.00

Anions

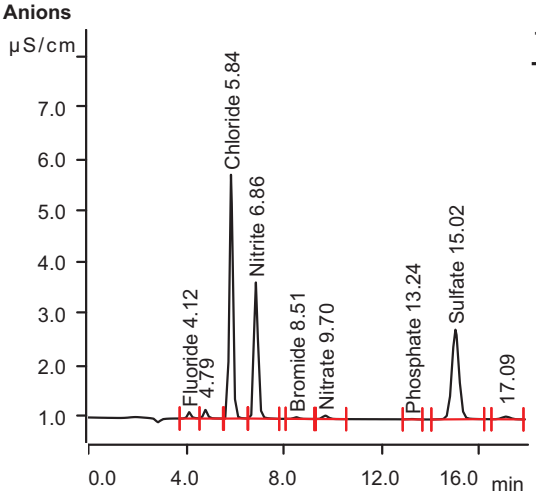


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.15	Fluoride	0.1236	0.213	0.213
5.84	Chloride	5.5078	13.741	13.741
8.75	Bromide	0.0213	0.234	0.234
13.44	Phosphate	0.0080	868.555	868.555
14.94	Sulfate	107.8476	358.488	358.488

Sample data

Ident FA98609-2
Sample type . . . . . Sample
Determination start 2022-09-02 12:23:54
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0227	0.066	0.663
5.84	Chloride	0.7742	1.930	19.297
6.86	Nitrite	0.5076	0.586	5.857
8.51	Bromide	0.0080	0.153	1.532
9.70	Nitrate	0.0183	0.068	0.683
13.24	Phosphate	0.0023	129.399	1293.994
15.02	Sulfate	0.5983	1.984	19.845

MagIC Net

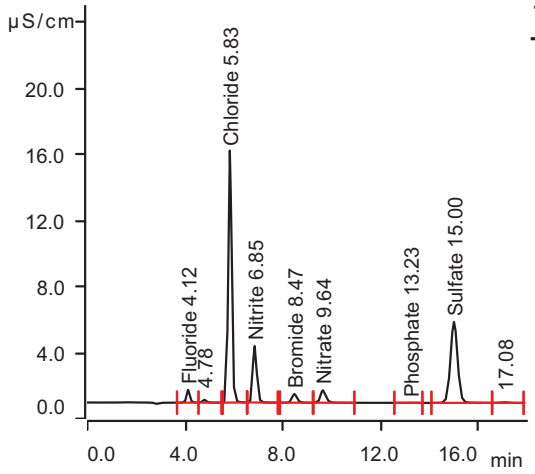
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98609-2S1
Sample type . . . . . Sample
Determination start 2022-09-02 12:44:42
Dilution factor 10.00

Anions

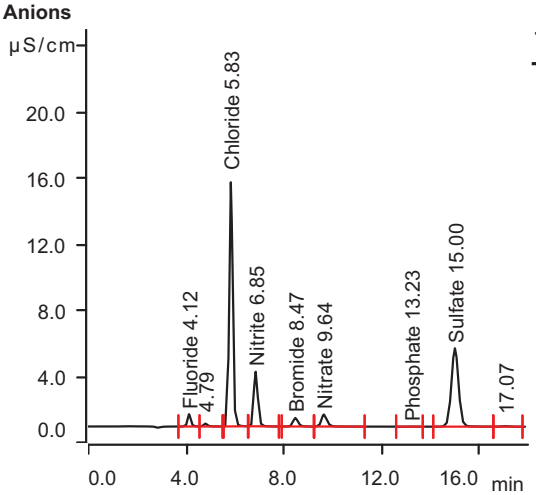


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.1227	0.212	2.117
5.83	Chloride	2.4776	6.180	61.799
6.85	Nitrite	0.6484	0.738	7.377
8.47	Bromide	0.1253	0.863	8.632
9.64	Nitrate	0.1965	0.247	2.475
13.23	Phosphate	0.0027	185.279	1852.791
15.00	Sulfate	1.6704	5.548	55.481

Sample data

Ident FA98609-2S2
Sample type . . . . . Sample
Determination start 2022-09-02 13:05:30
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.1190	0.206	2.063
5.83	Chloride	2.4196	6.035	60.353
6.85	Nitrite	0.6313	0.719	7.192
8.47	Bromide	0.1223	0.845	8.445
9.64	Nitrate	0.1920	0.243	2.429
13.23	Phosphate	0.0021	98.696	986.963
15.00	Sulfate	1.6258	5.400	53.997

MagIC Net

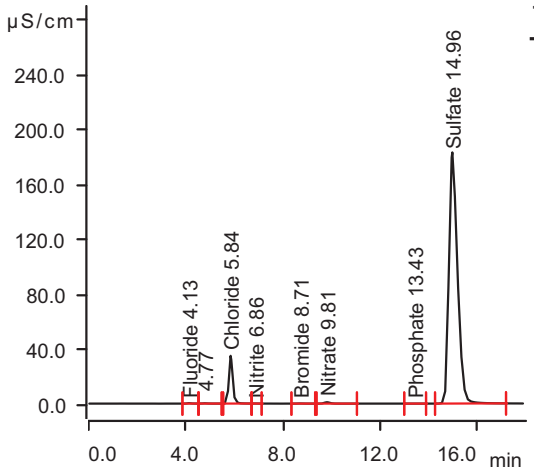
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98609-3
Sample type . . . . . Sample
Determination start 2022-09-02 13:26:18
Dilution factor 1.00

Anions

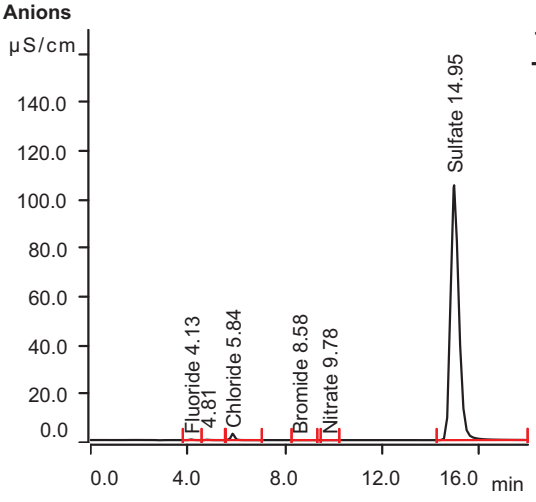


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.0546	0.113	0.113
5.84	Chloride	6.2623	15.623	15.623
6.86	Nitrite	0.0047	0.043	0.043
8.71	Bromide	0.0252	0.257	0.257
9.81	Nitrate	0.2701	0.321	0.321
13.43	Phosphate	0.0024	142.849	142.849
14.96	Sulfate	74.3471	247.130	247.130

Sample data

Ident FA98609-4
Sample type . . . . . Sample
Determination start 2022-09-02 13:47:21
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.0474	0.102	1.021
5.84	Chloride	0.4562	1.136	11.363
8.58	Bromide	0.0022	0.118	1.182
9.78	Nitrate	0.0010	0.051	0.509
14.95	Sulfate	41.9015	139.279	1392.790

MagIC Net

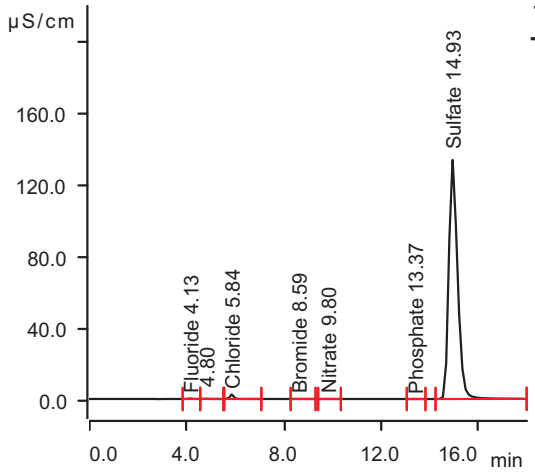
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98609-5
Sample type . . . . . Sample
Determination start 2022-09-02 14:08:09
Dilution factor 10.00

Anions

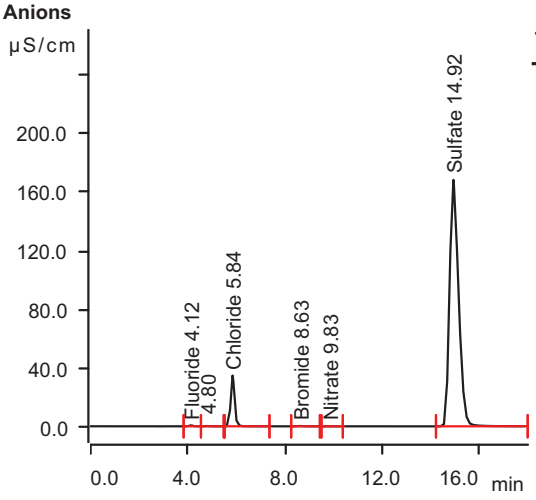


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.0488	0.104	1.042
5.84	Chloride	0.4445	1.107	11.072
8.59	Bromide	0.0037	0.127	1.268
9.80	Nitrate	0.0021	0.052	0.520
13.37	Phosphate	0.0011	-28.897	-288.970
14.93	Sulfate	55.6546	184.995	1849.950

Sample data

Ident FA98609-6
Sample type . . . . . Sample
Determination start 2022-09-02 14:28:58
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.1186	0.206	0.206
5.84	Chloride	6.2977	15.712	15.712
8.63	Bromide	0.0559	0.443	0.443
9.83	Nitrate	0.0030	0.053	0.053
14.92	Sulfate	71.7743	238.578	238.578

MagIC Net

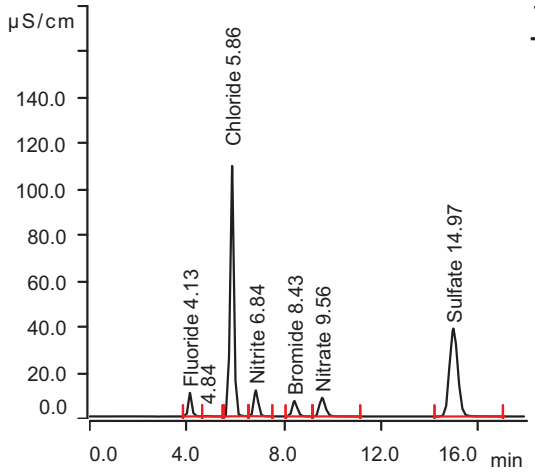
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-02 14:49:59
Dilution factor 1.00

Anions

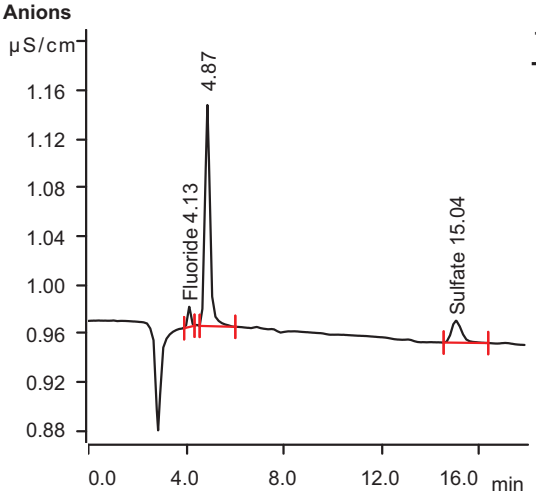


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	1.7559	2.588	2.588
5.86	Chloride	20.0589	50.048	50.048
6.84	Nitrite	2.3938	2.622	2.622
8.43	Bromide	1.6755	10.243	10.243
9.56	Nitrate	2.3328	2.394	2.394
14.97	Sulfate	15.3197	50.919	50.919

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-02 15:11:07
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.0027	0.037	0.037
15.04	Sulfate	0.0089	0.025	0.025

MagIC Net

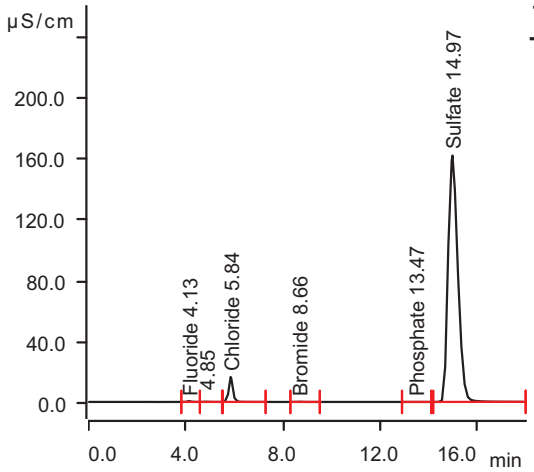
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98609-7
Sample type . . . . . Sample
Determination start 2022-09-02 15:32:08
Dilution factor 1.00

Anions

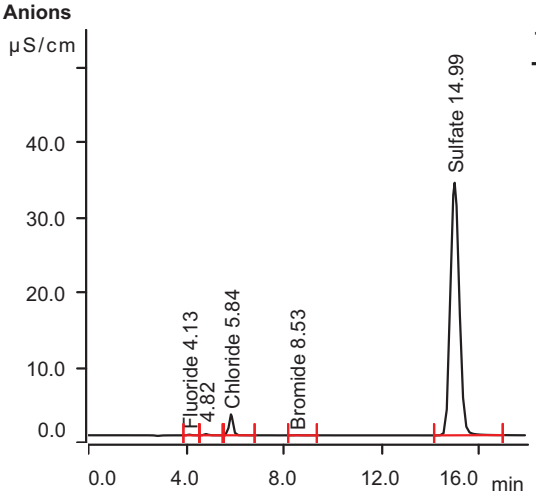


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.1012	0.180	0.180
5.84	Chloride	3.1499	7.858	7.858
8.66	Bromide	0.0346	0.314	0.314
13.47	Phosphate	0.0084	913.807	913.807
14.97	Sulfate	74.6793	248.235	248.235

Sample data

Ident FA98609-7
Sample type . . . . . Sample
Determination start 2022-09-02 15:53:15
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.0167	0.058	0.288
5.84	Chloride	0.5234	1.304	6.520
8.53	Bromide	0.0064	0.144	0.718
14.99	Sulfate	14.3455	47.681	238.405

MagIC Net

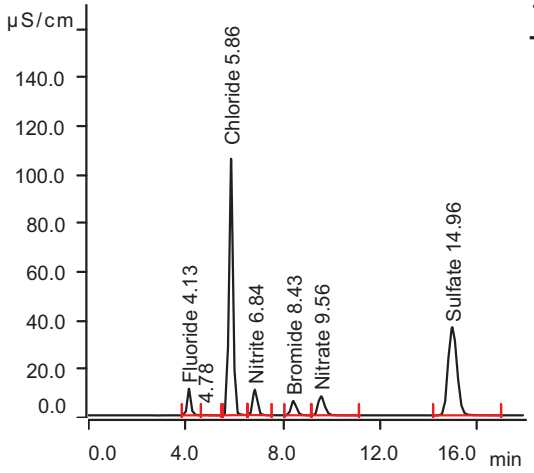
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident B1
Sample type . . . . . Sample
Determination start 2022-09-02 16:20:30
Dilution factor 1.00

Anions

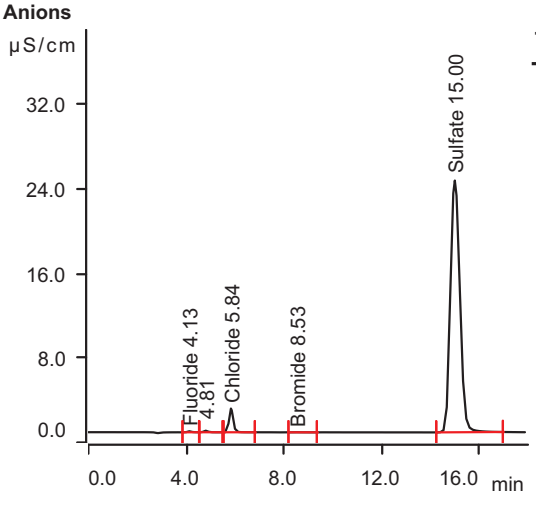


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	1.9364	2.851	2.851
5.86	Chloride	20.4443	51.009	51.009
6.84	Nitrite	2.3686	2.595	2.595
8.43	Bromide	1.5608	9.549	9.549
9.56	Nitrate	2.4445	2.507	2.507
14.96	Sulfate	15.6016	51.856	51.856

Sample data

Ident FA98609-1
Sample type . . . . . Sample
Determination start 2022-09-02 16:41:32
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.0185	0.060	0.601
5.84	Chloride	0.4419	1.101	11.007
8.53	Bromide	0.0022	0.118	1.182
15.00	Sulfate	10.7626	35.771	357.713

MagIC Net

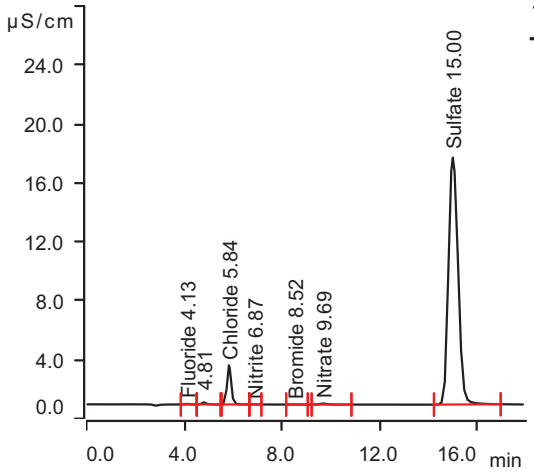
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98609-3
Sample type . . . . . Sample
Determination start 2022-09-02 17:02:18
Dilution factor 10.00

Anions

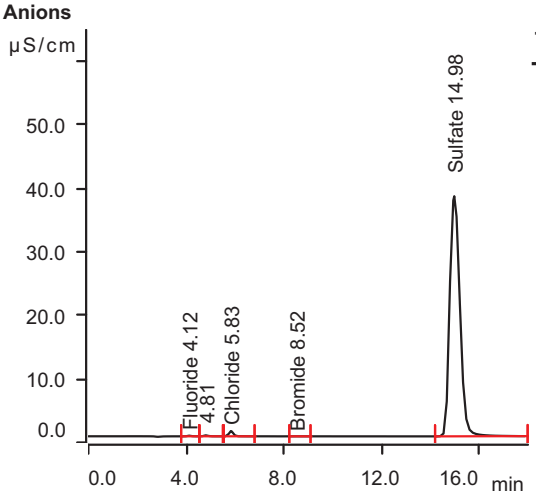


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.0074	0.044	0.440
5.84	Chloride	0.5239	1.305	13.052
6.87	Nitrite	0.0009	0.039	0.386
8.52	Bromide	0.0025	0.120	1.198
9.69	Nitrate	0.0227	0.073	0.728
15.00	Sulfate	7.6213	25.329	253.291

Sample data

Ident FA98609-4
Sample type . . . . . Sample
Determination start 2022-09-02 17:23:03
Dilution factor 25.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.12	Fluoride	0.0191	0.061	1.523
5.83	Chloride	0.1713	0.425	10.636
8.52	Bromide	0.0011	0.111	2.787
14.98	Sulfate	18.3339	60.939	1523.467

MagIC Net

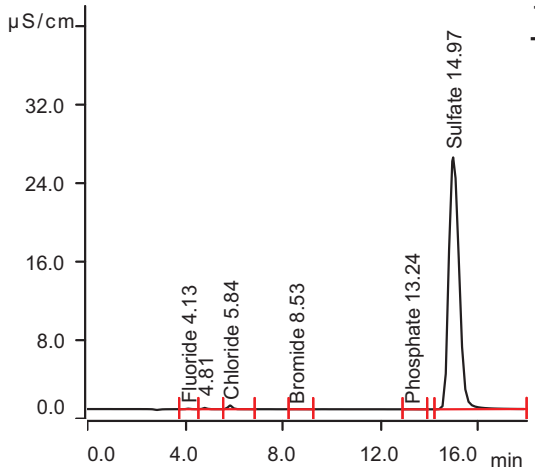
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98609-5
Sample type . . . . . Sample
Determination start 2022-09-02 17:43:49
Dilution factor 50.00

Anions

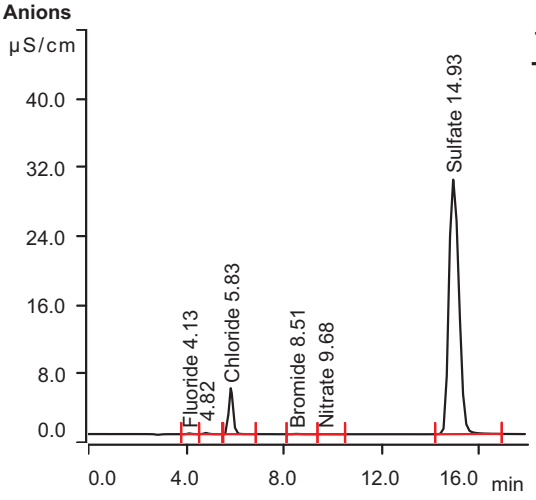


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.0124	0.051	2.559
5.84	Chloride	0.0822	0.203	10.152
8.53	Bromide	0.0009	0.110	5.507
13.24	Phosphate	0.0014	4.775	238.734
14.97	Sulfate	12.6262	41.966	2098.302

Sample data

Ident FA98609-6
Sample type . . . . . Sample
Determination start 2022-09-02 18:04:36
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.13	Fluoride	0.0182	0.060	0.299
5.83	Chloride	1.0816	2.697	13.483
8.51	Bromide	0.0107	0.169	0.846
9.68	Nitrate	0.0021	0.052	0.260
14.93	Sulfate	14.0605	46.734	233.669

MagIC Net

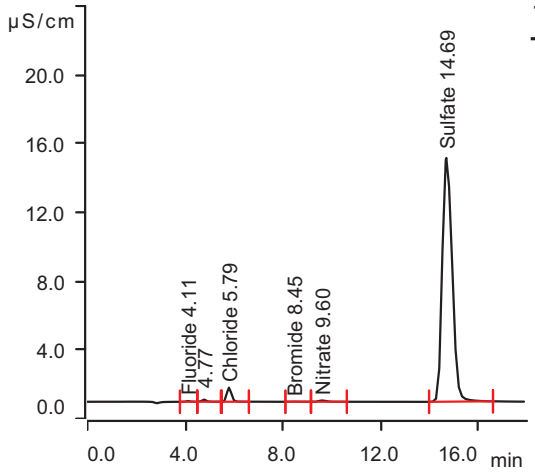
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98609-8
Sample type . . . . . Sample
Determination start 2022-09-02 18:25:23
Dilution factor 25.00

Anions

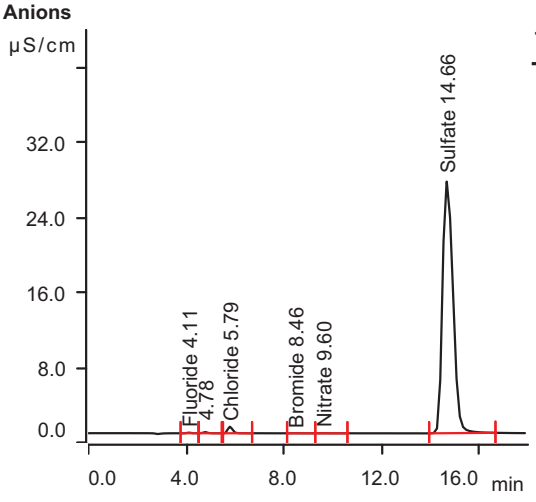


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0083	0.045	1.132
5.79	Chloride	0.1703	0.423	10.575
8.45	Bromide	0.0025	0.120	2.999
9.60	Nitrate	0.0261	0.076	1.903
14.69	Sulfate	6.6693	22.165	554.122

Sample data

Ident FA98609-9
Sample type . . . . . Sample
Determination start 2022-09-02 18:46:09
Dilution factor 25.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	0.0127	0.052	1.292
5.79	Chloride	0.1506	0.374	9.343
8.46	Bromide	0.0024	0.119	2.984
9.60	Nitrate	0.0022	0.052	1.305
14.66	Sulfate	13.3423	44.346	1108.659

MagIC Net

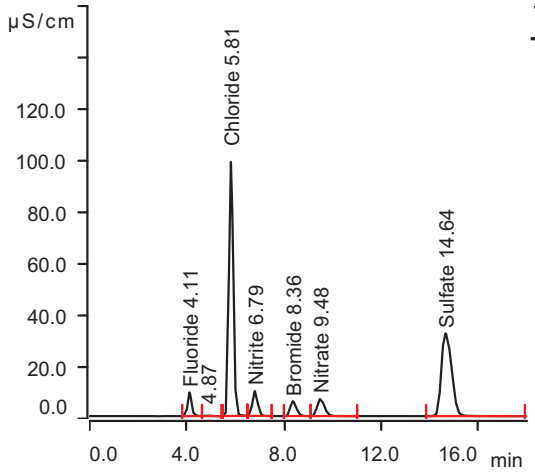
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-02 19:06:55
Dilution factor 1.00

Anions

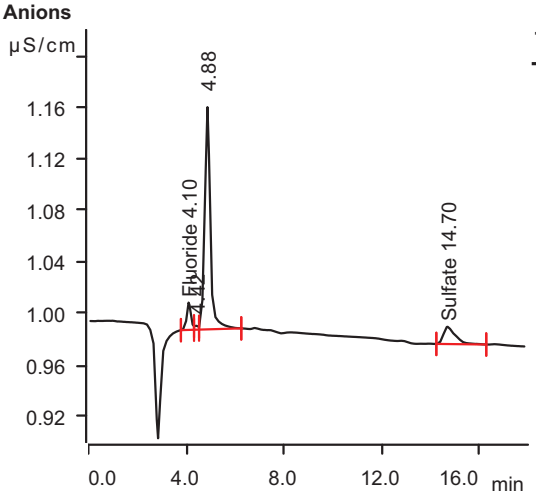


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.11	Fluoride	1.7333	2.555	2.555
5.81	Chloride	20.2050	50.412	50.412
6.79	Nitrite	2.4064	2.636	2.636
8.36	Bromide	1.6724	10.225	10.225
9.48	Nitrate	2.3269	2.388	2.388
14.64	Sulfate	15.6850	52.133	52.133

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-02 19:28:07
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0042	0.039	0.039
14.70	Sulfate	0.0076	0.021	0.021

MagIC Net

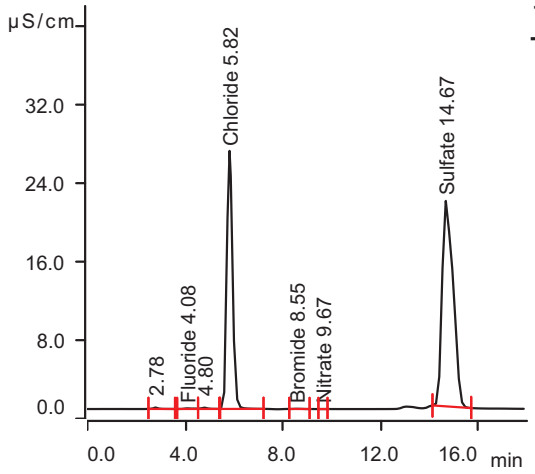
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98587-5
Sample type . . . . . Sample
Determination start 2022-09-02 19:49:09
Dilution factor 10.00

Anions

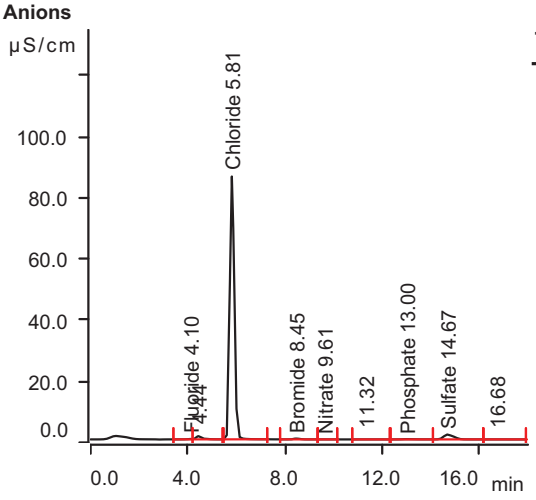


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.08	Fluoride	0.0252	0.070	0.699
5.82	Chloride	7.0590	17.611	176.111
8.55	Bromide	0.0074	0.149	1.492
9.67	Nitrate	0.0003	0.050	0.503
14.67	Sulfate	10.9349	36.344	363.438

Sample data

Ident FA98376-1
Sample type . . . . . Sample
Determination start 2022-09-02 20:09:59
Dilution factor 50.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0254	0.070	3.506
5.81	Chloride	18.2766	45.601	2280.033
8.45	Bromide	0.0831	0.608	30.377
9.61	Nitrate	0.0015	0.051	2.570
13.00	Phosphate	0.0550	6967.066	348353.308
14.67	Sulfate	0.7720	2.562	128.084

MagIC Net

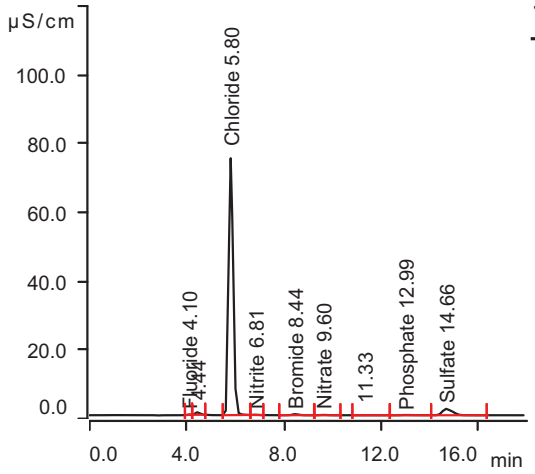
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98376-1S3
Sample type . . . . . Sample
Determination start 2022-09-02 20:30:48
Dilution factor 50.00

Anions

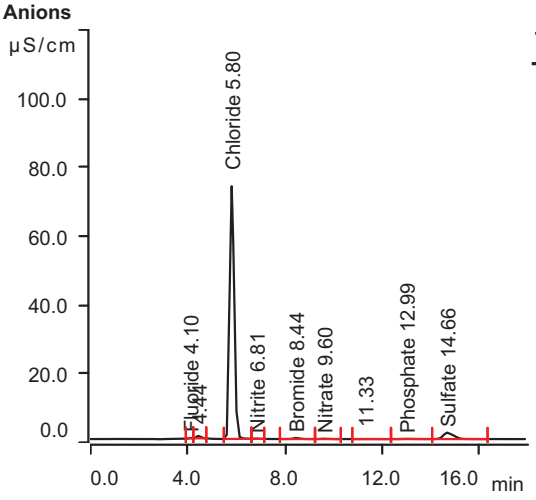


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0189	0.061	3.034
5.80	Chloride	15.7688	39.343	1967.163
6.81	Nitrite	0.0195	0.059	2.930
8.44	Bromide	0.0938	0.672	33.621
9.60	Nitrate	0.0322	0.082	4.114
12.99	Phosphate	0.0425	5337.202	266860.118
14.66	Sulfate	0.8968	2.977	148.827

Sample data

Ident FA98376-1S4
Sample type . . . . . Sample
Determination start 2022-09-02 20:51:38
Dilution factor 50.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0198	0.062	3.099
5.80	Chloride	15.5545	38.809	1940.432
6.81	Nitrite	0.0169	0.056	2.792
8.44	Bromide	0.0919	0.661	33.054
9.60	Nitrate	0.0315	0.082	4.078
12.99	Phosphate	0.0410	5147.548	257377.382
14.66	Sulfate	0.9060	3.007	150.353

MagIC Net

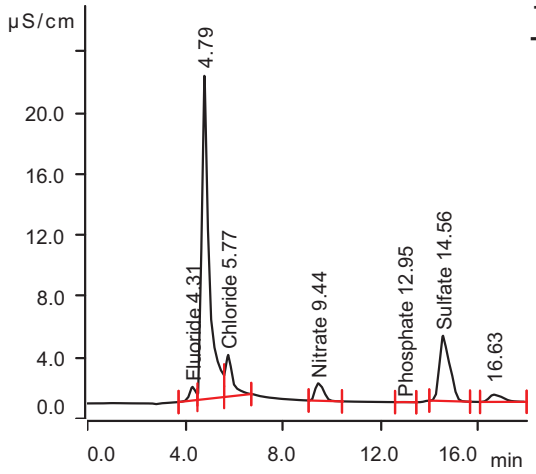
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98374-6
Sample type . . . . . Sample
Determination start 2022-09-02 21:12:28
Dilution factor 5.00

Anions

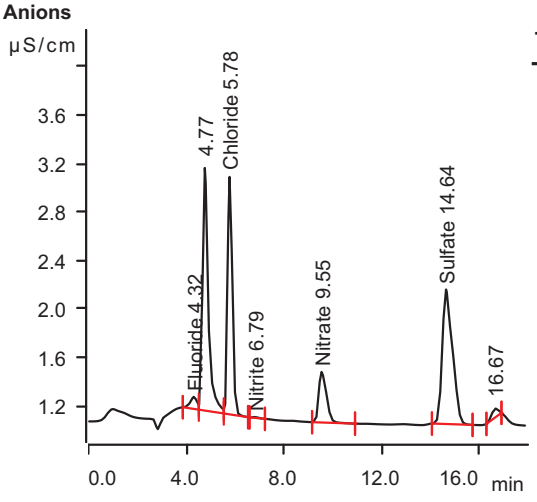


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.31	Fluoride	0.2531	0.401	2.007
5.77	Chloride	0.9393	2.342	11.709
9.44	Nitrate	0.4624	0.515	2.573
12.95	Phosphate	0.0028	194.111	970.557
14.56	Sulfate	2.0678	6.869	34.345

Sample data

Ident FA98374-7
Sample type . . . . . Sample
Determination start 2022-09-02 21:33:18
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.32	Fluoride	0.0313	0.079	0.394
5.78	Chloride	0.4290	1.068	5.342
6.79	Nitrite	0.0019	0.040	0.199
9.55	Nitrate	0.1519	0.203	1.013
14.64	Sulfate	0.5335	1.769	8.845

MagIC Net

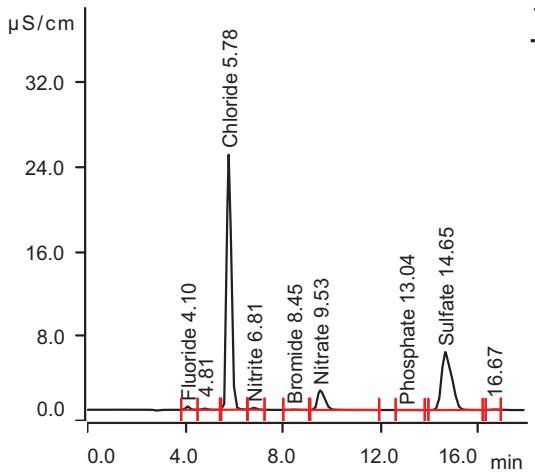
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98573-1
Sample type . . . . . Sample
Determination start 2022-09-02 21:54:07
Dilution factor 5.00

Anions

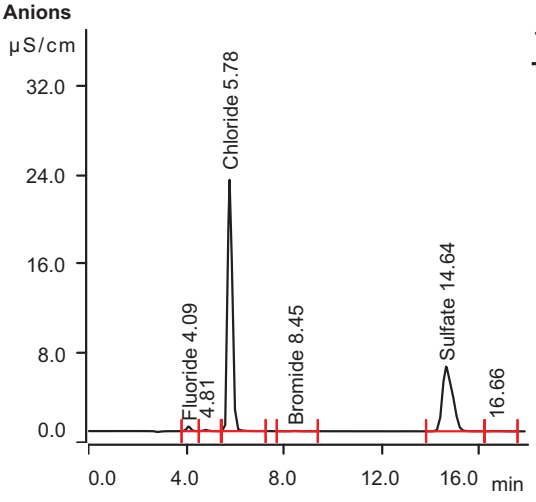


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0618	0.123	0.615
5.78	Chloride	5.1995	12.971	64.857
6.81	Nitrite	0.0438	0.085	0.424
8.45	Bromide	0.0082	0.154	0.772
9.53	Nitrate	0.6567	0.710	3.550
13.04	Phosphate	0.0014	6.886	34.431
14.65	Sulfate	2.6317	8.744	43.718

Sample data

Ident FA98573-2
Sample type . . . . . Sample
Determination start 2022-09-02 22:14:57
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.09	Fluoride	0.0803	0.150	0.750
5.78	Chloride	4.8613	12.128	60.638
8.45	Bromide	0.0096	0.163	0.815
14.64	Sulfate	2.7825	9.245	46.224

MagIC Net

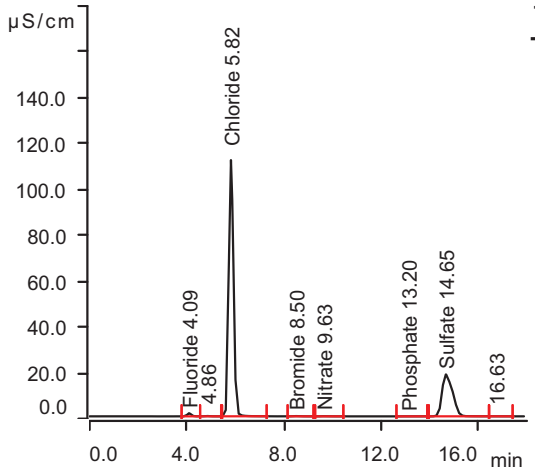
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98573-3
Sample type . . . . . Sample
Determination start 2022-09-02 22:35:48
Dilution factor 1.00

Anions

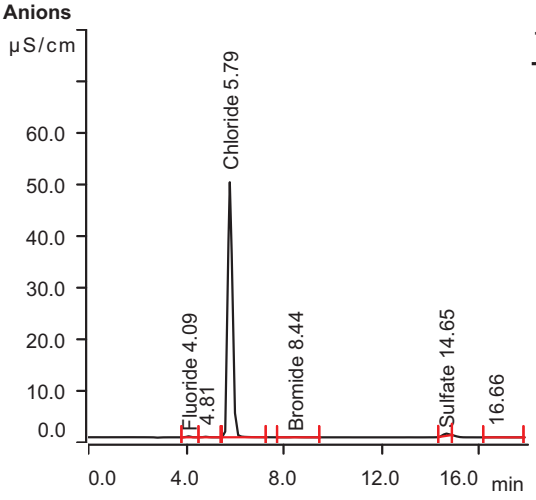


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.09	Fluoride	0.2616	0.414	0.414
5.82	Chloride	24.9748	62.314	62.314
8.50	Bromide	0.0329	0.304	0.304
9.63	Nitrate	0.0209	0.071	0.071
13.20	Phosphate	0.0032	241.568	241.568
14.65	Sulfate	9.1339	30.357	30.357

Sample data

Ident FA98573-4
Sample type . . . . . Sample
Determination start 2022-09-02 22:56:52
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.09	Fluoride	0.0372	0.087	0.873
5.79	Chloride	10.6166	26.488	264.879
8.44	Bromide	0.0135	0.186	1.865
14.65	Sulfate	0.1231	0.405	4.048

MagIC Net

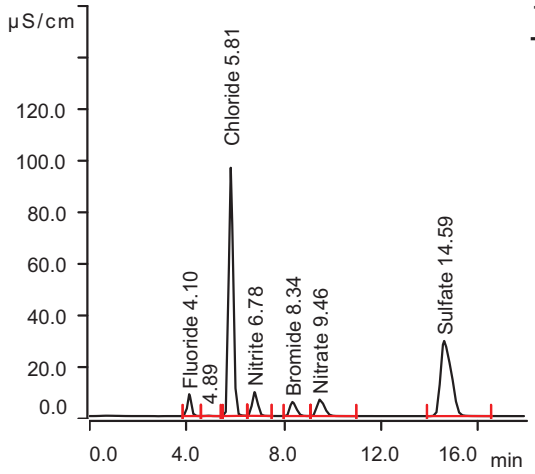
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-02 23:17:41
Dilution factor 1.00

Anions

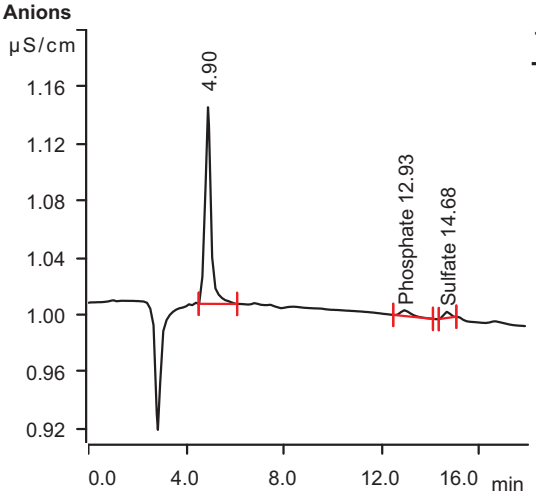


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	1.5458	2.282	2.282
5.81	Chloride	20.0888	50.122	50.122
6.78	Nitrite	2.3871	2.615	2.615
8.34	Bromide	1.6599	10.149	10.149
9.46	Nitrate	2.3147	2.376	2.376
14.59	Sulfate	14.8090	49.222	49.222

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-02 23:38:51
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
12.93	Phosphate	0.0020	88.200	88.200
14.68	Sulfate	0.0013	0.000	0.000

MagIC Net

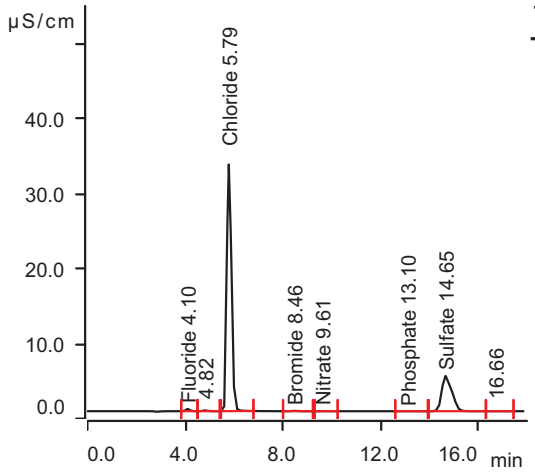
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98573-5
Sample type . . . . . Sample
Determination start 2022-09-02 23:59:54
Dilution factor 5.00

Anions

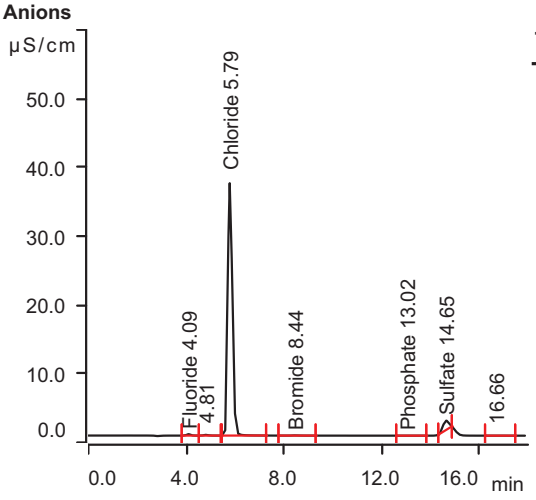


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0554	0.114	0.569
5.79	Chloride	7.0741	17.649	88.244
8.46	Bromide	0.0140	0.189	0.946
9.61	Nitrate	0.0037	0.054	0.268
13.10	Phosphate	0.0048	454.439	2272.196
14.65	Sulfate	2.2376	7.434	37.168

Sample data

Ident FA98573-6
Sample type . . . . . Sample
Determination start 2022-09-03 00:20:45
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.09	Fluoride	0.0400	0.091	0.914
5.79	Chloride	7.8182	19.506	195.056
8.44	Bromide	0.0096	0.163	1.628
13.02	Phosphate	0.0016	35.613	356.129
14.65	Sulfate	0.3818	1.265	12.646

MagIC Net

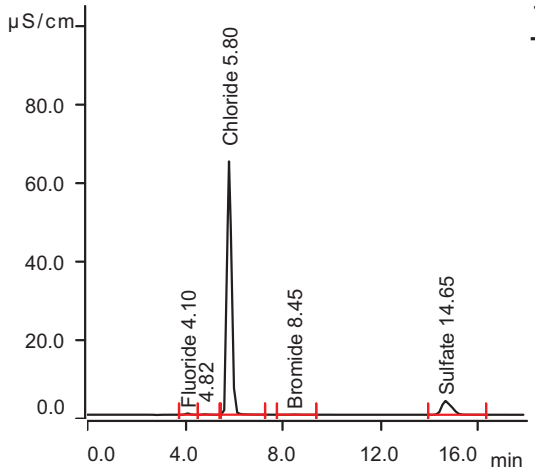
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98573-7
Sample type . . . . . Sample
Determination start 2022-09-03 00:41:33
Dilution factor 5.00

Anions

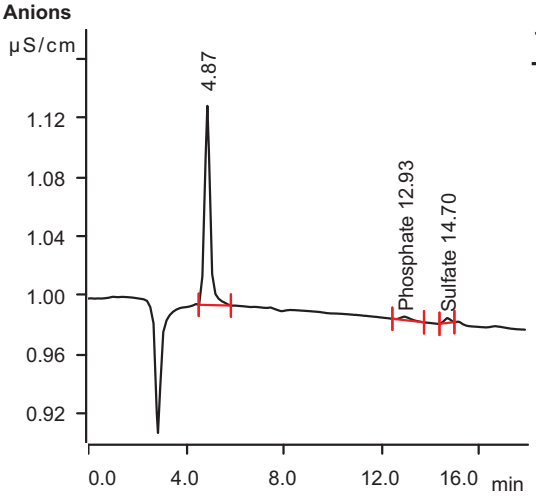


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0630	0.125	0.625
5.80	Chloride	13.7129	34.214	171.068
8.45	Bromide	0.0161	0.202	1.010
14.65	Sulfate	1.6617	5.519	27.596

Sample data

Ident MB1
Sample type . . . . . Sample
Determination start 2022-09-03 01:02:21
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
12.93	Phosphate	0.0011	-26.412	-26.412
14.70	Sulfate	0.0009	-0.001	-0.001

MagIC Net

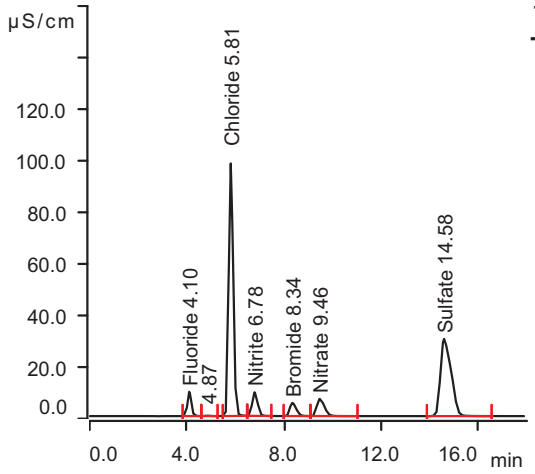
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident B1
Sample type . . . . . Sample
Determination start 2022-09-03 01:23:23
Dilution factor 1.00

Anions

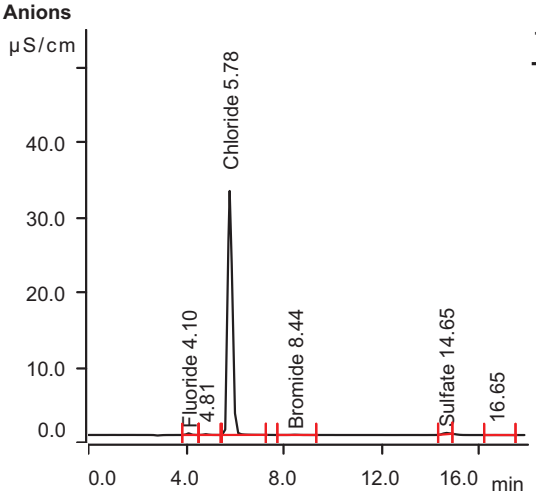


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	1.7244	2.542	2.542
5.81	Chloride	20.4197	50.948	50.948
6.78	Nitrite	2.3617	2.587	2.587
8.34	Bromide	1.5471	9.467	9.467
9.46	Nitrate	2.4249	2.487	2.487
14.58	Sulfate	15.1308	50.291	50.291

Sample data

Ident FA98573-8
Sample type . . . . . Sample
Determination start 2022-09-03 01:44:26
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0407	0.092	0.925
5.78	Chloride	6.9689	17.386	173.863
8.44	Bromide	0.0108	0.170	1.703
14.65	Sulfate	0.0511	0.165	1.653

MagIC Net

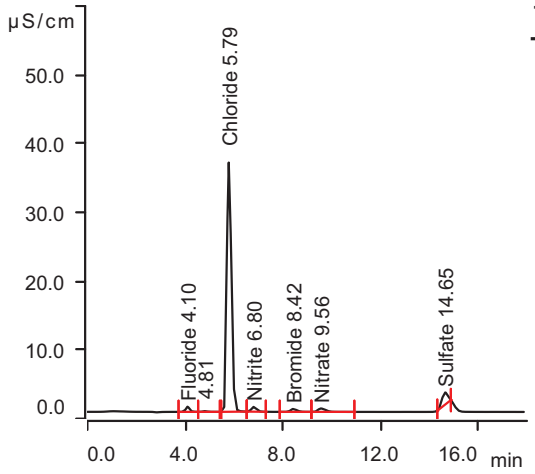
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98573-8S1
Sample type . . . . . Sample
Determination start 2022-09-03 02:05:15
Dilution factor 10.00

Anions

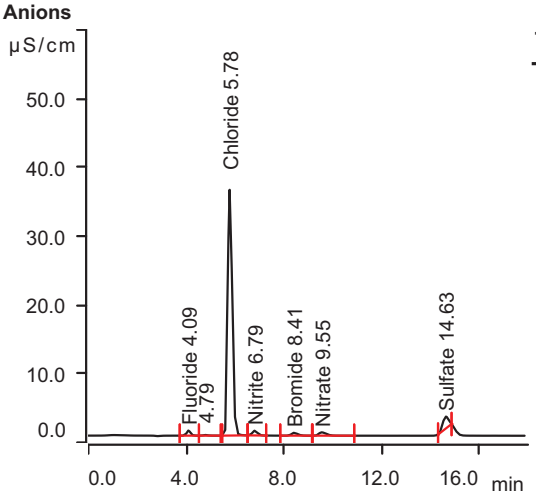


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.1393	0.236	2.358
5.79	Chloride	7.6927	19.192	191.923
6.80	Nitrite	0.1756	0.227	2.272
8.42	Bromide	0.1260	0.867	8.674
9.56	Nitrate	0.1764	0.227	2.272
14.65	Sulfate	0.4978	1.650	16.504

Sample data

Ident FA98573-8S2
Sample type . . . . . Sample
Determination start 2022-09-03 02:26:03
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.09	Fluoride	0.1362	0.231	2.314
5.78	Chloride	7.5146	18.748	187.481
6.79	Nitrite	0.1725	0.224	2.239
8.41	Bromide	0.1232	0.850	8.501
9.55	Nitrate	0.1724	0.223	2.232
14.63	Sulfate	0.4847	1.607	16.069

MagIC Net

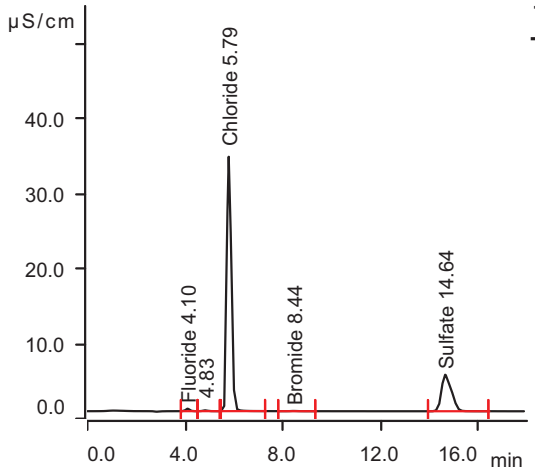
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98573-9
Sample type . . . . . Sample
Determination start 2022-09-03 02:46:52
Dilution factor 5.00

Anions

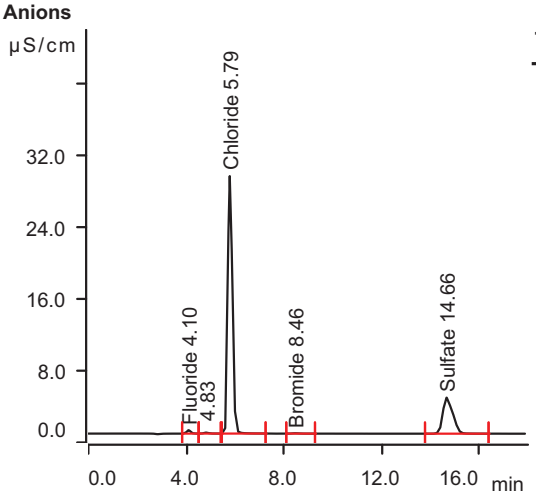


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0620	0.123	0.617
5.79	Chloride	7.1769	17.905	89.527
8.44	Bromide	0.0106	0.169	0.843
14.64	Sulfate	2.2933	7.619	38.094

Sample data

Ident FA98573-10
Sample type . . . . . Sample
Determination start 2022-09-03 03:07:40
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0713	0.137	0.685
5.79	Chloride	6.1372	15.311	76.556
8.46	Bromide	0.0116	0.175	0.873
14.66	Sulfate	1.8891	6.275	31.375

MagIC Net

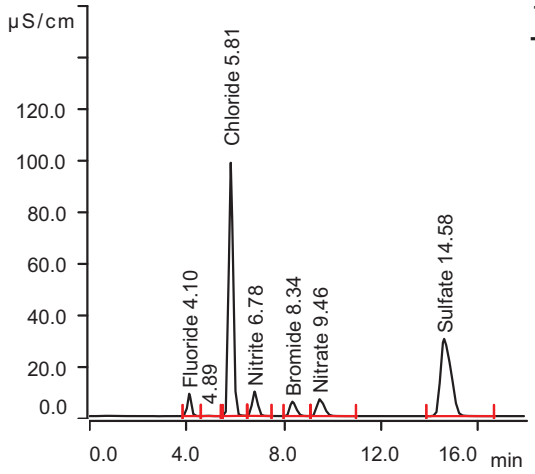
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-03 03:28:32
Dilution factor 1.00

Anions

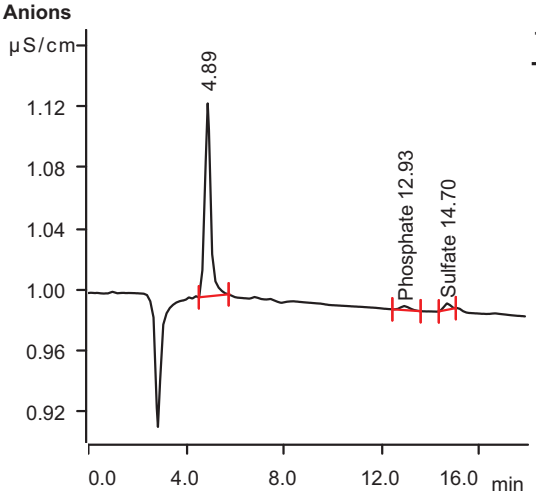


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	1.5571	2.299	2.299
5.81	Chloride	20.2178	50.444	50.444
6.78	Nitrite	2.4022	2.631	2.631
8.34	Bromide	1.6709	10.216	10.216
9.46	Nitrate	2.3296	2.391	2.391
14.58	Sulfate	14.9131	49.568	49.568

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-03 03:49:39
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
12.93	Phosphate	0.0012	-17.426	-17.426
14.70	Sulfate	0.0013	0.000	0.000

MagIC Net

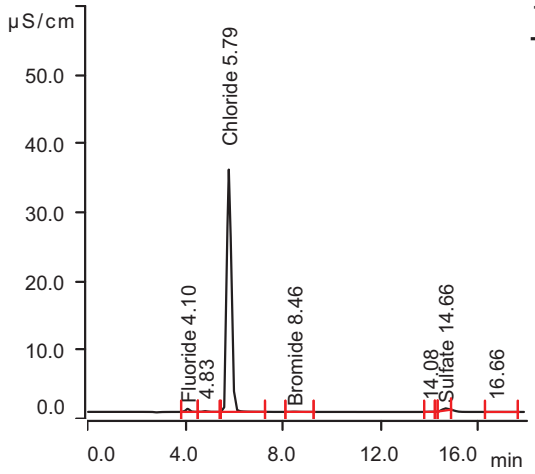
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98573-11
Sample type . . . . . Sample
Determination start 2022-09-03 04:10:43
Dilution factor 5.00

Anions

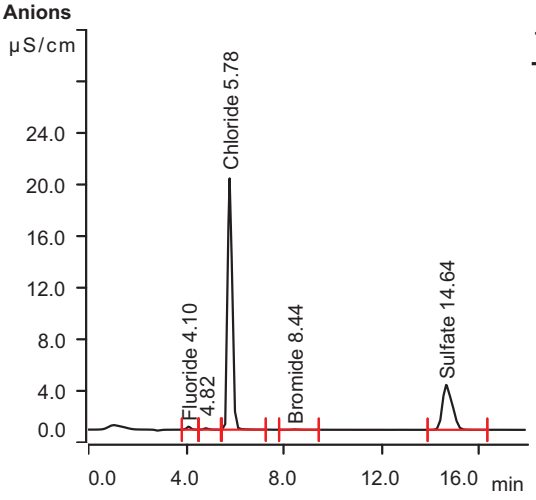


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0837	0.155	0.775
5.79	Chloride	7.4515	18.591	92.953
8.46	Bromide	0.0102	0.167	0.833
14.66	Sulfate	0.0843	0.276	1.379

Sample data

Ident FA98573-12
Sample type . . . . . Sample
Determination start 2022-09-03 04:31:33
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0438	0.097	0.970
5.78	Chloride	4.0943	10.214	102.139
8.44	Bromide	0.0083	0.155	1.550
14.64	Sulfate	1.6151	5.364	53.642

MagIC Net

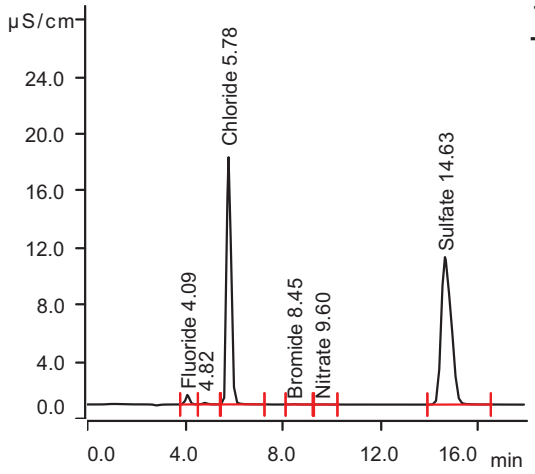
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98573-13
Sample type . . . . . Sample
Determination start 2022-09-03 04:52:20
Dilution factor 5.00

Anions

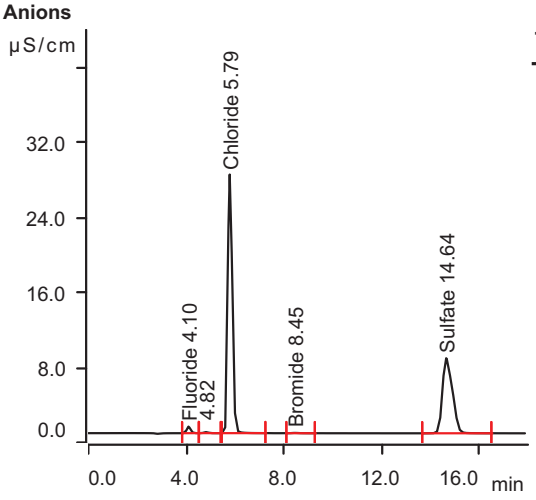


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.09	Fluoride	0.1233	0.213	1.063
5.78	Chloride	3.6826	9.187	45.934
8.45	Bromide	0.0057	0.139	0.695
9.60	Nitrate	0.0023	0.052	0.261
14.63	Sulfate	4.9056	16.302	81.511

Sample data

Ident FA98573-14
Sample type . . . . . Sample
Determination start 2022-09-03 05:13:12
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.1278	0.219	1.096
5.79	Chloride	5.8366	14.561	72.806
8.45	Bromide	0.0094	0.162	0.809
14.64	Sulfate	3.7698	12.527	62.634

MagIC Net

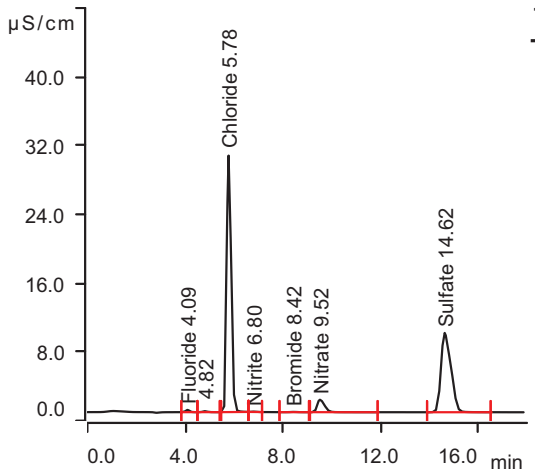
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98573-15
Sample type . . . . . Sample
Determination start 2022-09-03 05:34:00
Dilution factor 10.00

Anions

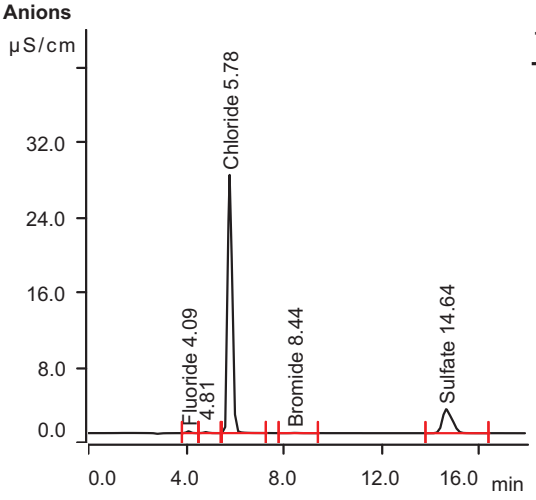


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.09	Fluoride	0.0485	0.104	1.038
5.78	Chloride	6.2161	15.508	155.081
6.80	Nitrite	0.0103	0.049	0.488
8.42	Bromide	0.0093	0.161	1.612
9.52	Nitrate	0.5066	0.559	5.591
14.62	Sulfate	4.3415	14.427	144.271

Sample data

Ident FA98573-16
Sample type . . . . . Sample
Determination start 2022-09-03 05:54:49
Dilution factor 10.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.09	Fluoride	0.0361	0.086	0.857
5.78	Chloride	5.7999	14.469	144.695
8.44	Bromide	0.0089	0.159	1.586
14.64	Sulfate	1.1887	3.947	39.468

MagIC Net

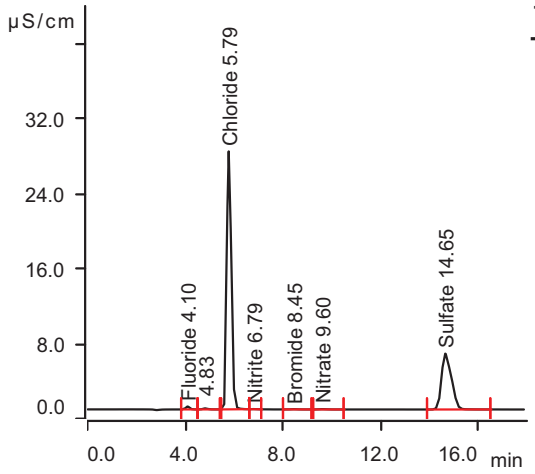
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98573-17
Sample type . . . . . Sample
Determination start 2022-09-03 06:15:37
Dilution factor 5.00

Anions

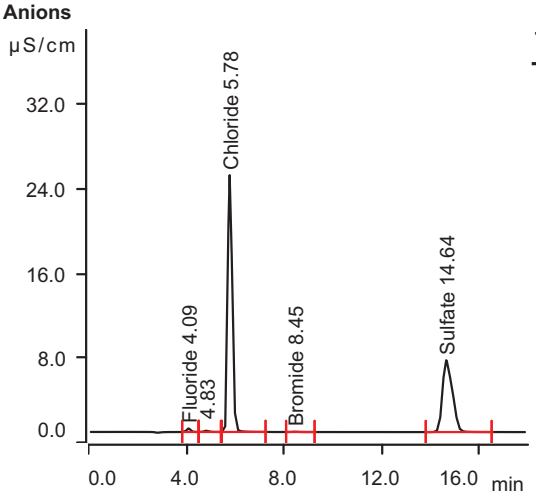


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	0.0584	0.118	0.591
5.79	Chloride	5.7754	14.409	72.043
6.79	Nitrite	0.0041	0.042	0.210
8.45	Bromide	0.0080	0.153	0.766
9.60	Nitrate	0.0121	0.062	0.310
14.65	Sulfate	2.7865	9.258	46.290

Sample data

Ident FA98573-18
Sample type . . . . . Sample
Determination start 2022-09-03 06:36:25
Dilution factor 5.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.09	Fluoride	0.0619	0.123	0.616
5.78	Chloride	5.1090	12.746	63.729
8.45	Bromide	0.0078	0.152	0.760
14.64	Sulfate	3.1780	10.559	52.797

MagIC Net

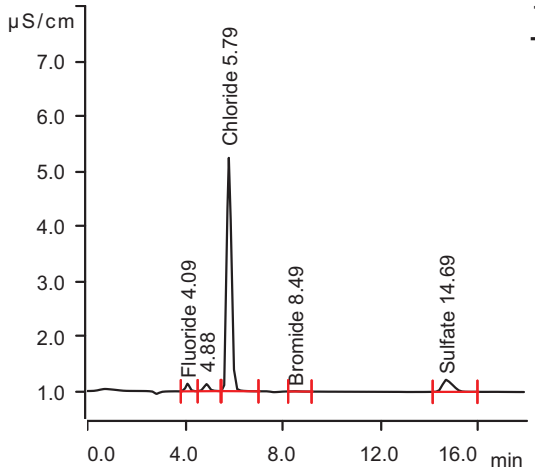
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98431-6
Sample type . . . . . Sample
Determination start 2022-09-03 06:57:15
Dilution factor 1.00

Anions

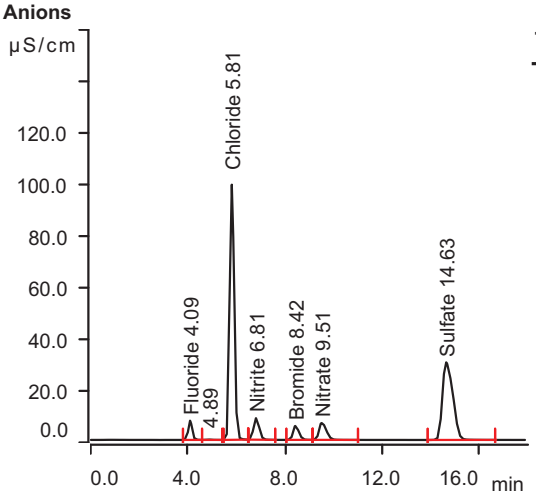


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.09	Fluoride	0.0264	0.072	0.072
5.79	Chloride	0.9178	2.288	2.288
8.49	Bromide	0.0014	0.113	0.113
14.69	Sulfate	0.1074	0.353	0.353

Sample data

Ident FA98431-6S3
Sample type . . . . . Sample
Determination start 2022-09-03 07:18:23
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.09	Fluoride	1.3736	2.032	2.032
5.81	Chloride	21.1364	52.736	52.736
6.81	Nitrite	2.3068	2.528	2.528
8.42	Bromide	1.5432	9.443	9.443
9.51	Nitrate	2.3374	2.399	2.399
14.63	Sulfate	14.9525	49.699	49.699

MagIC Net

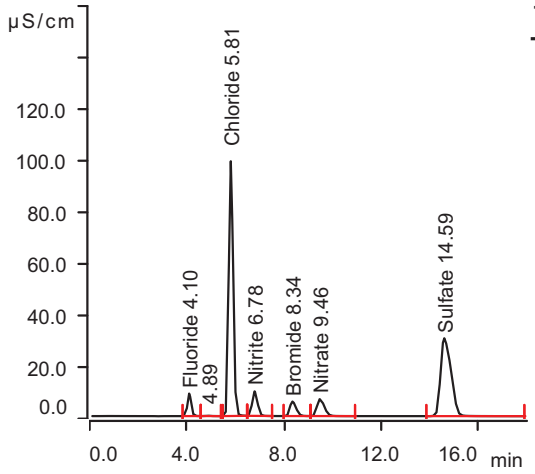
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-03 07:39:28
Dilution factor 1.00

Anions

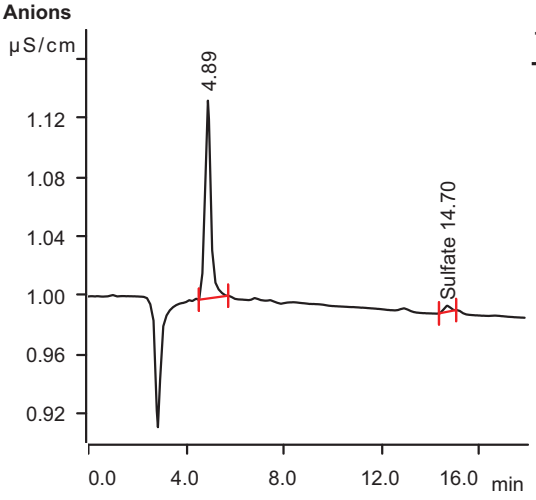


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	1.5608	2.304	2.304
5.81	Chloride	20.2569	50.542	50.542
6.78	Nitrite	2.4065	2.636	2.636
8.34	Bromide	1.6755	10.244	10.244
9.46	Nitrate	2.3355	2.397	2.397
14.59	Sulfate	14.9821	49.797	49.797

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-03 08:00:33
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
14.70	Sulfate	0.0013	0.000	0.000

MagIC Net

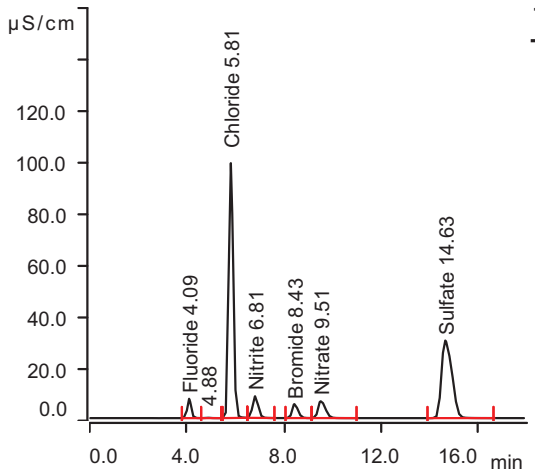
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident FA98431-6S4
Sample type . . . . . Sample
Determination start 2022-09-03 08:21:37
Dilution factor 1.00

Anions

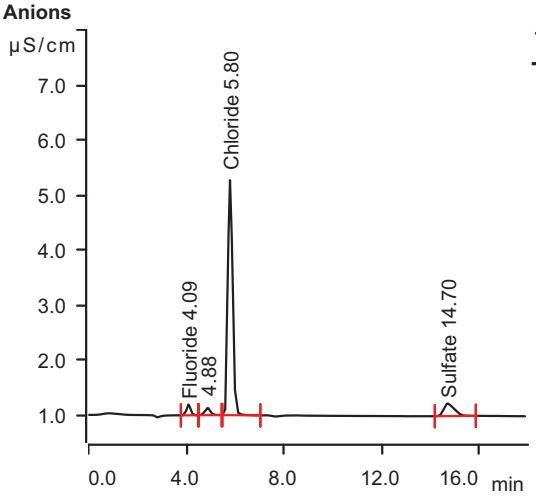


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.09	Fluoride	1.3789	2.040	2.040
5.81	Chloride	21.1088	52.667	52.667
6.81	Nitrite	2.3087	2.530	2.530
8.43	Bromide	1.5414	9.432	9.432
9.51	Nitrate	2.3339	2.396	2.396
14.63	Sulfate	14.9411	49.661	49.661

Sample data

Ident FA98431-11
Sample type . . . . . Sample
Determination start 2022-09-03 08:42:42
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.09	Fluoride	0.0369	0.087	0.087
5.80	Chloride	0.9397	2.343	2.343
14.70	Sulfate	0.1145	0.376	0.376

MagIC Net

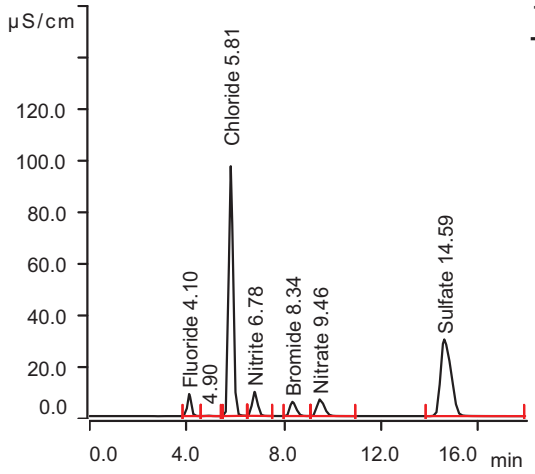
Summary Report

2022-09-07 10:10:25
MagIC Net 3.2 - 123

Sample data

Ident CCV
Sample type . . . . . Sample
Determination start 2022-09-03 09:03:45
Dilution factor 1.00

Anions

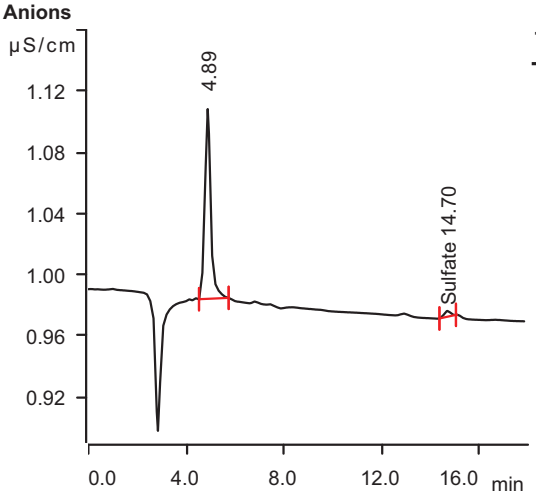


Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
4.10	Fluoride	1.5368	2.269	2.269
5.81	Chloride	19.9428	49.758	49.758
6.78	Nitrite	2.3623	2.588	2.588
8.34	Bromide	1.6488	10.082	10.082
9.46	Nitrate	2.2980	2.359	2.359
14.59	Sulfate	14.7520	49.032	49.032

Sample data

Ident . . . . . CCB
Sample type . . . . . Sample
Determination start 2022-09-03 09:24:51
Dilution factor 1.00

Anions



Retention Time (min)	Component Name	Area uS*min	Conc. on Column (mg/L)	Final Conc. (mg/L)
14.70	Sulfate	0.0011	-0.001	-0.001

APPENDIX D-5 SS062 AOC 9 WSA LANDFILL LABORATORY DATA PACKAGES

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Bhate Environmental

Griffiss AFB; Rome, NY

GRFIS-BECOS

SGS Job Number: FA98456

Sampling Date: 08/23/22



Report to:

Bhate Environmental
1608 13th Ave S Suite 300
Birmingham, AL 35205
dbadio@bhate.com

ATTN: David Badio

Total number of pages in report: **847**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Ariel Hartney 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

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Test results relate only to samples analyzed.

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Section 3: Summary of Hits **5**
Section 4: Sample Results **7**
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4.2: FA98456-2: AOC9-MW15-0822 11
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SGS North America Inc.

Sample Summary

Bhate Environmental

Job No: FA98456

Griffiss AFB; Rome, NY
Project No: GRFIS-BECOS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA98456-1	08/23/22	08:10	BPNB	08/26/22	AQ	Ground Water	AOC9-MW14-0822
FA98456-2	08/23/22	09:55	BPNB	08/26/22	AQ	Ground Water	AOC9-MW15-0822
FA98456-3	08/23/22	09:55	BPNB	08/26/22	AQ	Ground Water	AOC9-MW17-0822
FA98456-3D	08/23/22	09:55	BPNB	08/26/22	AQ	Water Dup/MSD	AOC9-MW17-0822
FA98456-3S	08/23/22	09:55	BPNB	08/26/22	AQ	Water Matrix Spike	AOC9-MW17-0822
FA98456-4	08/23/22	11:40	BPNB	08/26/22	AQ	Ground Water	AOC9-MW18-0822
FA98456-5	08/23/22	08:00	BPNB	08/26/22	AQ	Ground Water	AOC9-MW19-0822
FA98456-6	08/23/22	12:50	BPNB	08/26/22	AQ	Surface Water	AOC9-SW2PM-0822
FA98456-7	08/23/22	13:10	BPNB	08/26/22	AQ	Surface Water	AOC9-SW3PM-0822
FA98456-8	08/23/22	07:30	BPNB	08/26/22	AQ	Trip Blank Water	AOC9-TB01-0822-C
FA98456-9	08/23/22	08:00	BPNB	08/26/22	AQ	Ground Water	AOC9-MW19-0822-A
FA98456-10	08/23/22	11:30	BPNB	08/26/22	AQ	Ground Water	AOC9-MW07-0822

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental **Job No:** FA98456

Site: Griffiss AFB; Rome, NY **Report Date:** 9/14/2022 4:20:40 PM

On 08/26/2022, 9 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 5.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FA98456 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V1P3579

Sample(s) FA98710-12MS, FA98710-12MSD were used as the QC samples indicated.

FA98456-6: Sample re-analyzed beyond hold time.

Matrix: AQ **Batch ID:** VI2680

Sample(s) FA98404-6MS, FA98404-6MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 2,2-Dichloropropane are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2,2-Dichloropropane, Methyl Bromide are outside control limits. Probable cause is due to matrix interference.

FA98456-4: Confirmation run.

Matrix: AQ **Batch ID:** VO2809

Sample(s) FA98394-2MS, FA98394-2MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 1,2-Dichloroethene (total), 2,2-Dichloropropane, Acetone, cis-1,2-Dichloroethylene,

n-Butylbenzene are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2-Dichloroethene (total), Acetone, cis-1,2-Dichloroethylene are outside control limits. Probable cause is due to matrix interference.

Matrix Spike/Matrix Spike Duplicate Recovery(s) for Trichloroethylene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

FA98456-4 for Chloroethane: Associated CCV outside of DOD QSM control limits high, sample is ND.

Matrix: AQ **Batch ID:** VY2669

Sample(s) FA98456-3MS, FA98456-3MSD were used as the QC samples indicated.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA98456-1	**AOC9-MW14-0822**					
Chlorobenzene		24.0	1.0	0.50	ug/l	SW846 8260D
1,2-Dichlorobenzene		1.6	1.0	0.50	ug/l	SW846 8260D
1,4-Dichlorobenzene		2.7	1.0	0.50	ug/l	SW846 8260D
FA98456-2	**AOC9-MW15-0822**					
sec-Butylbenzene		0.41 J	1.0	0.50	ug/l	SW846 8260D
Chlorobenzene		31.5	1.0	0.50	ug/l	SW846 8260D
1,2-Dichlorobenzene		3.4	1.0	0.50	ug/l	SW846 8260D
FA98456-3	**AOC9-MW17-0822**					
Benzene		0.57 J	1.0	0.50	ug/l	SW846 8260D
Chlorobenzene		52.8	1.0	0.50	ug/l	SW846 8260D
1,2-Dichlorobenzene		19.6	1.0	0.50	ug/l	SW846 8260D
cis-1,2-Dichloroethylene		1.3	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		1.3 J	2.0	1.0	ug/l	SW846 8260D
Tetrachloroethylene		0.85 J	1.0	0.50	ug/l	SW846 8260D
Trichloroethylene		10	1.0	0.50	ug/l	SW846 8260D
Vinyl Chloride		0.44 J	1.0	0.50	ug/l	SW846 8260D
FA98456-4	**AOC9-MW18-0822**					
No hits reported in this sample.						
FA98456-5	**AOC9-MW19-0822**					
Chlorobenzene		1030	20	10	ug/l	SW846 8260D
1,4-Dichlorobenzene		16.5 J	20	10	ug/l	SW846 8260D
FA98456-6	**AOC9-SW2PM-0822**					
No hits reported in this sample.						
FA98456-7	**AOC9-SW3PM-0822**					
Chlorobenzene		0.81 J	1.0	0.50	ug/l	SW846 8260D
FA98456-8	**AOC9-TB01-0822-C**					
No hits reported in this sample.						

Summary of Hits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA98456-9	**AOC9-MW19-0822-A**					
Chlorobenzene		1050	20	10	ug/l	SW846 8260D
1,4-Dichlorobenzene		16.1 J	20	10	ug/l	SW846 8260D
FA98456-10	**AOC9-MW07-0822**					
Benzene		0.63 J	1.0	0.50	ug/l	SW846 8260D
Chlorobenzene		31.5	1.0	0.50	ug/l	SW846 8260D
1,2-Dichlorobenzene		10.3	1.0	0.50	ug/l	SW846 8260D
1,3-Dichlorobenzene		0.43 J	1.0	0.50	ug/l	SW846 8260D
1,4-Dichlorobenzene		6.8	1.0	0.50	ug/l	SW846 8260D
cis-1,2-Dichloroethylene		1.2	1.0	0.50	ug/l	SW846 8260D
1,2-Dichloroethene (total)		1.2 J	2.0	1.0	ug/l	SW846 8260D
Trichloroethylene		3.0	1.0	0.50	ug/l	SW846 8260D

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	AOC9-MW14-0822		
Lab Sample ID:	FA98456-1	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y64396.D	1	09/01/22 18:38	JL	n/a	n/a	VY2669
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	24.0	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	1.6	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	2.7	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	AOC9-MW14-0822		
Lab Sample ID:	FA98456-1	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		83-118%

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

Report of Analysis

Client Sample ID:	AOC9-MW14-0822		
Lab Sample ID:	FA98456-1	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	92%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	AOC9-MW15-0822		
Lab Sample ID:	FA98456-2	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y64397.D	1	09/01/22 19:02	JL	n/a	n/a	VY2669
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.41	1.0	0.50	0.24	ug/l	J
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	31.5	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	3.4	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	AOC9-MW15-0822		
Lab Sample ID:	FA98456-2	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		83-118%

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

Report of Analysis

Client Sample ID:	AOC9-MW15-0822		
Lab Sample ID:	FA98456-2	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	92%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	AOC9-MW17-0822		
Lab Sample ID:	FA98456-3	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y64398.D	1	09/01/22 19:27	JL	n/a	n/a	VY2669
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.57	1.0	0.50	0.31	ug/l	J
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	52.8	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	19.6	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.3	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.3	2.0	1.0	0.50	ug/l	J
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AOC9-MW17-0822		
Lab Sample ID:	FA98456-3	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.85	1.0	0.50	0.22	ug/l	J
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	10	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.44	1.0	0.50	0.41	ug/l	J
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		83-118%

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

Report of Analysis

Client Sample ID:	AOC9-MW17-0822		
Lab Sample ID:	FA98456-3	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	94%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	AOC9-MW18-0822		
Lab Sample ID:	FA98456-4	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O70844.D	1	09/02/22 19:51	JL	n/a	n/a	VO2809
Run #2 [a]	I751033.D	10	08/31/22 21:02	KW	n/a	n/a	VI2680

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane [b]	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	AOC9-MW18-0822		
Lab Sample ID:	FA98456-4	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	100%	83-118%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AOC9-MW18-0822		
Lab Sample ID:	FA98456-4	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%	103%	79-125%
2037-26-5	Toluene-D8	98%	100%	85-112%
460-00-4	4-Bromofluorobenzene	100%	101%	83-118%

(a) Confirmation run.
(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	AOC9-MW19-0822		
Lab Sample ID:	FA98456-5	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I751034.D	20	08/31/22 21:25	KW	n/a	n/a	VI2680
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	400 U	500	400	200	ug/l	
71-43-2	Benzene	10 U	20	10	6.2	ug/l	
108-86-1	Bromobenzene	10 U	20	10	7.3	ug/l	
74-97-5	Bromochloromethane	10 U	20	10	9.0	ug/l	
75-27-4	Bromodichloromethane	10 U	20	10	4.8	ug/l	
75-25-2	Bromoform	10 U	20	10	8.1	ug/l	
78-93-3	2-Butanone (MEK)	70 U	100	70	40	ug/l	
104-51-8	n-Butylbenzene	10 U	20	10	4.6	ug/l	
135-98-8	sec-Butylbenzene	10 U	20	10	4.9	ug/l	
98-06-6	tert-Butylbenzene	10 U	20	10	6.3	ug/l	
75-15-0	Carbon Disulfide	20 U	40	20	11	ug/l	
56-23-5	Carbon Tetrachloride	10 U	20	10	7.1	ug/l	
108-90-7	Chlorobenzene	1030	20	10	4.0	ug/l	
75-00-3	Chloroethane	20 U	40	20	13	ug/l	
67-66-3	Chloroform	10 U	20	10	6.0	ug/l	
95-49-8	o-Chlorotoluene	10 U	20	10	4.4	ug/l	
106-43-4	p-Chlorotoluene	10 U	20	10	6.1	ug/l	
124-48-1	Dibromochloromethane	10 U	20	10	5.5	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	40 U	100	40	21	ug/l	
106-93-4	1,2-Dibromoethane	20 U	40	20	5.5	ug/l	
75-71-8	Dichlorodifluoromethane	20 U	40	20	10	ug/l	
95-50-1	1,2-Dichlorobenzene	10 U	20	10	6.5	ug/l	
541-73-1	1,3-Dichlorobenzene	10 U	20	10	4.3	ug/l	
106-46-7	1,4-Dichlorobenzene	16.5	20	10	5.1	ug/l	J
75-34-3	1,1-Dichloroethane	10 U	20	10	6.8	ug/l	
107-06-2	1,2-Dichloroethane	10 U	20	10	6.2	ug/l	
75-35-4	1,1-Dichloroethylene	10 U	20	10	6.4	ug/l	
156-59-2	cis-1,2-Dichloroethylene	10 U	20	10	5.5	ug/l	
156-60-5	trans-1,2-Dichloroethylene	10 U	20	10	4.4	ug/l	
540-59-0	1,2-Dichloroethene (total)	20 U	40	20	9.9	ug/l	
78-87-5	1,2-Dichloropropane	10 U	20	10	8.5	ug/l	
142-28-9	1,3-Dichloropropane	10 U	20	10	6.2	ug/l	

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

Report of Analysis

Client Sample ID:	AOC9-MW19-0822		
Lab Sample ID:	FA98456-5	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	10 U	20	10	4.8	ug/l	
563-58-6	1,1-Dichloropropene	10 U	20	10	6.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	10 U	20	10	5.8	ug/l	
10061-02-6	trans-1,3-Dichloropropene	10 U	20	10	4.3	ug/l	
100-41-4	Ethylbenzene	10 U	20	10	7.1	ug/l	
87-68-3	Hexachlorobutadiene	20 U	40	20	5.9	ug/l	
591-78-6	2-Hexanone	100 U	200	100	40	ug/l	
98-82-8	Isopropylbenzene	10 U	20	10	4.4	ug/l	
99-87-6	p-Isopropyltoluene	10 U	20	10	4.3	ug/l	
74-83-9	Methyl Bromide	80 U	100	80	40	ug/l	
74-87-3	Methyl Chloride	20 U	40	20	10	ug/l	
74-95-3	Methylene Bromide	10 U	40	10	7.4	ug/l	
75-09-2	Methylene Chloride	80 U	100	80	40	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	40 U	100	40	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	10 U	20	10	4.6	ug/l	
91-20-3	Naphthalene	40 U	100	40	20	ug/l	
103-65-1	n-Propylbenzene	10 U	20	10	5.7	ug/l	
100-42-5	Styrene	10 U	20	10	4.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	10 U	20	10	5.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	10 U	20	10	6.0	ug/l	
127-18-4	Tetrachloroethylene	10 U	20	10	4.3	ug/l	
108-88-3	Toluene	10 U	20	10	6.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	20 U	40	20	12	ug/l	
120-82-1	1,2,4-Trichlorobenzene	20 U	40	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	10 U	20	10	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	10 U	20	10	9.3	ug/l	
79-01-6	Trichloroethylene	10 U	20	10	6.9	ug/l	
75-69-4	Trichlorofluoromethane	20 U	40	20	10	ug/l	
96-18-4	1,2,3-Trichloropropane	20 U	40	20	13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	10 U	20	10	6.5	ug/l	
108-67-8	1,3,5-Trimethylbenzene	10 U	20	10	5.5	ug/l	
108-05-4	Vinyl Acetate	100 U	200	100	40	ug/l	
75-01-4	Vinyl Chloride	10 U	20	10	8.2	ug/l	
	m,p-Xylene	20 U	40	20	9.3	ug/l	
95-47-6	o-Xylene	10 U	20	10	5.1	ug/l	
1330-20-7	Xylene (total)	30 U	60	30	14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

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

Report of Analysis

Client Sample ID:	AOC9-MW19-0822		
Lab Sample ID:	FA98456-5	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	AOC9-SW2PM-0822		
Lab Sample ID:	FA98456-6	**Date Sampled:**	08/23/22
Matrix:	AQ - Surface Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I751035.D	1	08/31/22 21:49	KW	n/a	n/a	VI2680
Run #2 [a]	1P92903.D	1	09/13/22 13:12	LR	n/a	n/a	V1P3579

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U [b]	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID: AOC9-SW2PM-0822
Lab Sample ID: FA98456-6
Matrix: AQ - Surface Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/23/22
Date Received: 08/26/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	95%	83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AOC9-SW2PM-0822		
Lab Sample ID:	FA98456-6	**Date Sampled:**	08/23/22
Matrix:	AQ - Surface Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%	99%	79-125%
2037-26-5	Toluene-D8	100%	100%	85-112%
460-00-4	4-Bromofluorobenzene	100%	99%	83-118%

(a) Sample re-analyzed beyond hold time.
(b) Result is from Run# 2

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	AOC9-SW3PM-0822		
Lab Sample ID:	FA98456-7	**Date Sampled:**	08/23/22
Matrix:	AQ - Surface Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I751036.D	1	08/31/22 22:13	KW	n/a	n/a	VI2680
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.81	1.0	0.50	0.20	ug/l	J
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	AOC9-SW3PM-0822		
Lab Sample ID:	FA98456-7	**Date Sampled:**	08/23/22
Matrix:	AQ - Surface Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

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

Report of Analysis

Client Sample ID:	AOC9-SW3PM-0822		
Lab Sample ID:	FA98456-7	**Date Sampled:**	08/23/22
Matrix:	AQ - Surface Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	AOC9-TB01-0822-C		
Lab Sample ID:	FA98456-8	**Date Sampled:**	08/23/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I751037.D	1	08/31/22 22:37	KW	n/a	n/a	VI2680
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	0.31	ug/l	
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	0.50 U	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.50 U	1.0	0.50	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	0.50 U	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0 U	2.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AOC9-TB01-0822-C		
Lab Sample ID:	FA98456-8	**Date Sampled:**	08/23/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%

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

Report of Analysis

Client Sample ID:	AOC9-TB01-0822-C		
Lab Sample ID:	FA98456-8	**Date Sampled:**	08/23/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID: AOC9-MW19-0822-A
Lab Sample ID: FA98456-9
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/23/22
Date Received: 08/26/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I751038.D	20	08/31/22 23:01	KW	n/a	n/a	VI2680
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	400 U	500	400	200	ug/l	
71-43-2	Benzene	10 U	20	10	6.2	ug/l	
108-86-1	Bromobenzene	10 U	20	10	7.3	ug/l	
74-97-5	Bromochloromethane	10 U	20	10	9.0	ug/l	
75-27-4	Bromodichloromethane	10 U	20	10	4.8	ug/l	
75-25-2	Bromoform	10 U	20	10	8.1	ug/l	
78-93-3	2-Butanone (MEK)	70 U	100	70	40	ug/l	
104-51-8	n-Butylbenzene	10 U	20	10	4.6	ug/l	
135-98-8	sec-Butylbenzene	10 U	20	10	4.9	ug/l	
98-06-6	tert-Butylbenzene	10 U	20	10	6.3	ug/l	
75-15-0	Carbon Disulfide	20 U	40	20	11	ug/l	
56-23-5	Carbon Tetrachloride	10 U	20	10	7.1	ug/l	
108-90-7	Chlorobenzene	1050	20	10	4.0	ug/l	
75-00-3	Chloroethane	20 U	40	20	13	ug/l	
67-66-3	Chloroform	10 U	20	10	6.0	ug/l	
95-49-8	o-Chlorotoluene	10 U	20	10	4.4	ug/l	
106-43-4	p-Chlorotoluene	10 U	20	10	6.1	ug/l	
124-48-1	Dibromochloromethane	10 U	20	10	5.5	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	40 U	100	40	21	ug/l	
106-93-4	1,2-Dibromoethane	20 U	40	20	5.5	ug/l	
75-71-8	Dichlorodifluoromethane	20 U	40	20	10	ug/l	
95-50-1	1,2-Dichlorobenzene	10 U	20	10	6.5	ug/l	
541-73-1	1,3-Dichlorobenzene	10 U	20	10	4.3	ug/l	
106-46-7	1,4-Dichlorobenzene	16.1	20	10	5.1	ug/l	J
75-34-3	1,1-Dichloroethane	10 U	20	10	6.8	ug/l	
107-06-2	1,2-Dichloroethane	10 U	20	10	6.2	ug/l	
75-35-4	1,1-Dichloroethylene	10 U	20	10	6.4	ug/l	
156-59-2	cis-1,2-Dichloroethylene	10 U	20	10	5.5	ug/l	
156-60-5	trans-1,2-Dichloroethylene	10 U	20	10	4.4	ug/l	
540-59-0	1,2-Dichloroethene (total)	20 U	40	20	9.9	ug/l	
78-87-5	1,2-Dichloropropane	10 U	20	10	8.5	ug/l	
142-28-9	1,3-Dichloropropane	10 U	20	10	6.2	ug/l	

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

Report of Analysis

Client Sample ID: AOC9-MW19-0822-A
Lab Sample ID: FA98456-9
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Griffiss AFB; Rome, NY

Date Sampled: 08/23/22
Date Received: 08/26/22
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	10 U	20	10	4.8	ug/l	
563-58-6	1,1-Dichloropropene	10 U	20	10	6.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	10 U	20	10	5.8	ug/l	
10061-02-6	trans-1,3-Dichloropropene	10 U	20	10	4.3	ug/l	
100-41-4	Ethylbenzene	10 U	20	10	7.1	ug/l	
87-68-3	Hexachlorobutadiene	20 U	40	20	5.9	ug/l	
591-78-6	2-Hexanone	100 U	200	100	40	ug/l	
98-82-8	Isopropylbenzene	10 U	20	10	4.4	ug/l	
99-87-6	p-Isopropyltoluene	10 U	20	10	4.3	ug/l	
74-83-9	Methyl Bromide	80 U	100	80	40	ug/l	
74-87-3	Methyl Chloride	20 U	40	20	10	ug/l	
74-95-3	Methylene Bromide	10 U	40	10	7.4	ug/l	
75-09-2	Methylene Chloride	80 U	100	80	40	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	40 U	100	40	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	10 U	20	10	4.6	ug/l	
91-20-3	Naphthalene	40 U	100	40	20	ug/l	
103-65-1	n-Propylbenzene	10 U	20	10	5.7	ug/l	
100-42-5	Styrene	10 U	20	10	4.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	10 U	20	10	5.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	10 U	20	10	6.0	ug/l	
127-18-4	Tetrachloroethylene	10 U	20	10	4.3	ug/l	
108-88-3	Toluene	10 U	20	10	6.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	20 U	40	20	12	ug/l	
120-82-1	1,2,4-Trichlorobenzene	20 U	40	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	10 U	20	10	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	10 U	20	10	9.3	ug/l	
79-01-6	Trichloroethylene	10 U	20	10	6.9	ug/l	
75-69-4	Trichlorofluoromethane	20 U	40	20	10	ug/l	
96-18-4	1,2,3-Trichloropropane	20 U	40	20	13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	10 U	20	10	6.5	ug/l	
108-67-8	1,3,5-Trimethylbenzene	10 U	20	10	5.5	ug/l	
108-05-4	Vinyl Acetate	100 U	200	100	40	ug/l	
75-01-4	Vinyl Chloride	10 U	20	10	8.2	ug/l	
	m,p-Xylene	20 U	40	20	9.3	ug/l	
95-47-6	o-Xylene	10 U	20	10	5.1	ug/l	
1330-20-7	Xylene (total)	30 U	60	30	14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AOC9-MW19-0822-A		
Lab Sample ID:	FA98456-9	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	AOC9-MW07-0822		
Lab Sample ID:	FA98456-10	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I751039.D	1	08/31/22 23:24	KW	n/a	n/a	VI2680
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
67-64-1	Acetone	20 U	25	20	10	ug/l	
71-43-2	Benzene	0.63	1.0	0.50	0.31	ug/l	J
108-86-1	Bromobenzene	0.50 U	1.0	0.50	0.37	ug/l	
74-97-5	Bromochloromethane	0.50 U	1.0	0.50	0.45	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	0.24	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	0.41	ug/l	
78-93-3	2-Butanone (MEK)	3.5 U	5.0	3.5	2.0	ug/l	
104-51-8	n-Butylbenzene	0.50 U	1.0	0.50	0.23	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	1.0	0.50	0.24	ug/l	
98-06-6	tert-Butylbenzene	0.50 U	1.0	0.50	0.31	ug/l	
75-15-0	Carbon Disulfide	1.0 U	2.0	1.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	0.50 U	1.0	0.50	0.36	ug/l	
108-90-7	Chlorobenzene	31.5	1.0	0.50	0.20	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	0.67	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	0.30	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	1.0	0.50	0.22	ug/l	
106-43-4	p-Chlorotoluene	0.50 U	1.0	0.50	0.31	ug/l	
124-48-1	Dibromochloromethane	0.50 U	1.0	0.50	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	5.0	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.0 U	2.0	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	10.3	1.0	0.50	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	0.43	1.0	0.50	0.22	ug/l	J
106-46-7	1,4-Dichlorobenzene	6.8	1.0	0.50	0.26	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	0.34	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.2	1.0	0.50	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.2	2.0	1.0	0.50	ug/l	J
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	0.43	ug/l	
142-28-9	1,3-Dichloropropane	0.50 U	1.0	0.50	0.31	ug/l	

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

Report of Analysis

Client Sample ID:	AOC9-MW07-0822		
Lab Sample ID:	FA98456-10	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
594-20-7	2,2-Dichloropropane	0.50 U	1.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	0.50 U	1.0	0.50	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.50 U	1.0	0.50	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.50 U	1.0	0.50	0.21	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	0.36	ug/l	
87-68-3	Hexachlorobutadiene	1.0 U	2.0	1.0	0.30	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.50 U	1.0	0.50	0.22	ug/l	
99-87-6	p-Isopropyltoluene	0.50 U	1.0	0.50	0.21	ug/l	
74-83-9	Methyl Bromide	4.0 U	5.0	4.0	2.0	ug/l	
74-87-3	Methyl Chloride	1.0 U	2.0	1.0	0.50	ug/l	
74-95-3	Methylene Bromide	0.50 U	2.0	0.50	0.37	ug/l	
75-09-2	Methylene Chloride	4.0 U	5.0	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0 U	5.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	0.23	ug/l	
91-20-3	Naphthalene	2.0 U	5.0	2.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.50 U	1.0	0.50	0.29	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.50 U	1.0	0.50	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.50 U	1.0	0.50	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	0.22	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	0.47	ug/l	
79-01-6	Trichloroethylene	3.0	1.0	0.50	0.35	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	2.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	1.0 U	2.0	1.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.50 U	1.0	0.50	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.50 U	1.0	0.50	0.27	ug/l	
108-05-4	Vinyl Acetate	5.0 U	10	5.0	2.0	ug/l	
75-01-4	Vinyl Chloride	0.50 U	1.0	0.50	0.41	ug/l	
	m,p-Xylene	1.0 U	2.0	1.0	0.47	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	0.26	ug/l	
1330-20-7	Xylene (total)	1.5 U	3.0	1.5	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%

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

Report of Analysis

Client Sample ID:	AOC9-MW07-0822		
Lab Sample ID:	FA98456-10	**Date Sampled:**	08/23/22
Matrix:	AQ - Ground Water	**Date Received:**	08/26/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Griffiss AFB; Rome, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

CHAIN-OF-CUSTODY RECORD

Bhate Environmental Associates, Inc.
Frank Gardner
445 Union Boulevard, Suite 129 Lakewood, CO 80228
Please add area code, 720.463.3903, , add e-mail

COC # 10SS062GWQ3 FA98456

Project Name: Griffiss Air Force Base, BECOS	Laboratory: SGS North America, Inc., Orlando, FL	Event: 2022 Griffiss Petro Q3
Project Number: GRFIS-BECOS	POC: Please insert point of contact, insert laboratory phone number, insert email	
WBS Code:	Ship to:	

Comments:
SW8260D (A) = VOCs Water SGS

Equipment: Peripump (GeoPump)
Equipment blank not needed, no reuse of equip. amongst samples.

Code	Matrix
WG	Ground Water
WQ	Water Quality Control Matrix
WS	Surface Water

Code	Container/Preservative
31	3x 40 mL glass volatile vials, HCl to pH < 2; Cool to 0-6 °C; no headspace

Event: 2022 Griffiss Petro Q3

	Sample ID	Matrix	Date	Time	Samp Init.	Analytical Test Method SW8260D (A)	Location ID	Sample Type	Depth (ft bgs) Top	Depth (ft bgs) Bottom	Cooler	Comments
						31						
1	AOC9-MW14-0822	WG	8/23/22	0810	NB	X	AOC9-MW14	N1	14.00	24.00	1	
2	AOC9-MW15-0822	WG	8/23/22	0955	NB	X	AOC9-MW15	N1	9.00	14.00	1	
3	AOC9-MW17-0822	WG	8/23/22	0955	BP	X	AOC9-MW17	N1	9.00	14.00	1	
4	AOC9-MW18-0822	WG	8/23/22	1140	BP	X	AOC9-MW18	N1	10.20	19.00	1	
5	AOC9-MW19-0822	WG	8/23/22	0800	BP	X	AOC9-MW19	N1	0.00	0.00	1	
6	AOC9-SW2PM-0822	WS	8/23/22	1250	BP	X	AOC9-SW2PM	N1	0.00	0.00	1	
7	AOC9-SW3PM-0822	WS	8/23/22	1310	BP	X	AOC9-SW3PM	N1	0.00	0.00	1	
8	AOC9-TB01-0822-C	WQ	8/23/22	0730	BP	X	FIELDQC	TB6	0.00	0.00	1	
BP 9	~~-D~~	WQ				X	FIELDQC	EB6	0.00	0.00	1	BP
9	~~10~~ AOC9-MW19-0822-A	WG	8/23/22	0800	BP	X		FD6	0.00	0.00	1	
5	~~11~~ AOC9-MW17-0822-MS	WG	8/23/22	0955	BP	X		MS6	0.00	0.00	1	
3	~~12~~ AOC9-MW17-0822-SD	WG	8/23/22	0955	BP	X		SD6	0.00	0.00	1	
	Turnaround Time: NA											
10	13 AOC9-MW07-0822	WG	8/23/22	1130	NB	X	AOC9-MW07	N1			1	

Relinquished by: *(Signature)* Nicholas Burack ECC
Date 08/25/22
Time 5:20
Received by: *(Signature)* Fedex
SS062GWQ3

Date
Time
Shipping Date:
Received by Laboratory: *(Signature, Date, Time)* & conditio

INITIAL ASSESSMENT
LABEL VERIFICATI...
5.1 OCT 22

FA98456: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: FA98456 **Client:** BHATE **Project:** GRIFFISS AFB

Date / Time Received: 8/26/2022 9:00:00 AM **Delivery Method:** FX **Airbill #'s:** 570073538323

Therm ID: IR 1; **Therm CF:** 0.6; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (5.0);

Cooler Temps (Corrected) °C: Cooler 1: (5.6);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☑		☐	☐

	W	or	S	N/A
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☑		☐	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: NATHANS Date: 8/26/2022 9:00:00 AM Reviewer: _____ Date: _____

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V1P3579	SW846 8260D						
V1P3579-BS	108-90-7	Chlorobenzene	BSP	REC	98	%	82-118
V1P3579-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	100	%	80-119
V1P3579-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	99	%	81-118
V1P3579-BS	2037-26-5	Toluene-D8	BSP	SURR	98	%	89-112
V1P3579-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	97	%	85-114
FA98710-12MS*	108-90-7	Chlorobenzene	MS	REC	97	%	82-118
FA98710-12MS*	1868-53-7	Dibromofluoromethane	MS	SURR	100	%	80-119
FA98710-12MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	98	%	81-118
FA98710-12MS*	2037-26-5	Toluene-D8	MS	SURR	97	%	89-112
FA98710-12MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	98	%	85-114
FA98710-12MSD*	108-90-7	Chlorobenzene	MSD	REC	98	%	82-118
FA98710-12MSD*	108-90-7	Chlorobenzene	MSD	RPD	1	%	20
FA98710-12MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	98	%	80-119
FA98710-12MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	97	%	81-118
FA98710-12MSD*	2037-26-5	Toluene-D8	MSD	SURR	98	%	89-112
FA98710-12MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	96	%	85-114
V1P3579-MB	1868-53-7	Dibromofluoromethane	MB	SURR	94	%	80-119
V1P3579-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	96	%	81-118
V1P3579-MB	2037-26-5	Toluene-D8	MB	SURR	100	%	89-112
V1P3579-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	100	%	85-114
FA98456-6	1868-53-7	Dibromofluoromethane	SAMP	SURR	95	%	80-119
FA98456-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
FA98456-6	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FA98456-6	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
VI2680	SW846 8260D						
VI2680-BS	67-64-1	Acetone	BSP	REC	99	%	39-160
VI2680-BS	71-43-2	Benzene	BSP	REC	100	%	79-120
VI2680-BS	108-86-1	Bromobenzene	BSP	REC	93	%	80-120
VI2680-BS	74-97-5	Bromochloromethane	BSP	REC	100	%	78-123
VI2680-BS	75-27-4	Bromodichloromethane	BSP	REC	98	%	79-125
VI2680-BS	75-25-2	Bromoform	BSP	REC	101	%	66-130
VI2680-BS	78-93-3	2-Butanone (MEK)	BSP	REC	99	%	56-143
VI2680-BS	104-51-8	n-Butylbenzene	BSP	REC	95	%	75-128
VI2680-BS	135-98-8	sec-Butylbenzene	BSP	REC	105	%	77-126
VI2680-BS	98-06-6	tert-Butylbenzene	BSP	REC	98	%	78-124
VI2680-BS	75-15-0	Carbon Disulfide	BSP	REC	89	%	64-133
VI2680-BS	56-23-5	Carbon Tetrachloride	BSP	REC	102	%	72-136
VI2680-BS	108-90-7	Chlorobenzene	BSP	REC	100	%	82-118
VI2680-BS	75-00-3	Chloroethane	BSP	REC	93	%	60-138
VI2680-BS	67-66-3	Chloroform	BSP	REC	102	%	79-124

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VI2680-BS	95-49-8	o-Chlorotoluene	BSP	REC	100	%	79-122
VI2680-BS	106-43-4	p-Chlorotoluene	BSP	REC	97	%	78-122
VI2680-BS	124-48-1	Dibromochloromethane	BSP	REC	96	%	74-126
VI2680-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	91	%	62-128
VI2680-BS	106-93-4	1,2-Dibromoethane	BSP	REC	98	%	77-121
VI2680-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	101	%	32-152
VI2680-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	97	%	80-119
VI2680-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	100	%	80-119
VI2680-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	96	%	79-118
VI2680-BS	75-34-3	1,1-Dichloroethane	BSP	REC	105	%	77-125
VI2680-BS	107-06-2	1,2-Dichloroethane	BSP	REC	97	%	73-128
VI2680-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	104	%	71-131
VI2680-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	101	%	78-123
VI2680-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	102	%	75-124
VI2680-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	102	%	79-121
VI2680-BS	78-87-5	1,2-Dichloropropane	BSP	REC	94	%	78-122
VI2680-BS	142-28-9	1,3-Dichloropropane	BSP	REC	90	%	80-119
VI2680-BS	594-20-7	2,2-Dichloropropane	BSP	REC	95	%	60-139
VI2680-BS	563-58-6	1,1-Dichloropropene	BSP	REC	101	%	79-125
VI2680-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	97	%	75-124
VI2680-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	109	%	73-127
VI2680-BS	100-41-4	Ethylbenzene	BSP	REC	98	%	79-121
VI2680-BS	87-68-3	Hexachlorobutadiene	BSP	REC	96	%	66-134
VI2680-BS	591-78-6	2-Hexanone	BSP	REC	94	%	57-139
VI2680-BS	98-82-8	Isopropylbenzene	BSP	REC	103	%	72-131
VI2680-BS	99-87-6	p-Isopropyltoluene	BSP	REC	106	%	77-127
VI2680-BS	74-83-9	Methyl Bromide	BSP	REC	98	%	53-141
VI2680-BS	74-87-3	Methyl Chloride	BSP	REC	102	%	50-139
VI2680-BS	74-95-3	Methylene Bromide	BSP	REC	96	%	79-123
VI2680-BS	75-09-2	Methylene Chloride	BSP	REC	82	%	74-124
VI2680-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	101	%	67-130
VI2680-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	114	%	71-124
VI2680-BS	91-20-3	Naphthalene	BSP	REC	98	%	61-128
VI2680-BS	103-65-1	n-Propylbenzene	BSP	REC	100	%	76-126
VI2680-BS	100-42-5	Styrene	BSP	REC	99	%	78-123
VI2680-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	100	%	78-124
VI2680-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	94	%	71-121
VI2680-BS	127-18-4	Tetrachloroethylene	BSP	REC	100	%	74-129
VI2680-BS	108-88-3	Toluene	BSP	REC	98	%	80-121
VI2680-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	95	%	69-129
VI2680-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	96	%	69-130
VI2680-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	102	%	74-131
VI2680-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	98	%	80-119
VI2680-BS	79-01-6	Trichloroethylene	BSP	REC	99	%	79-123
VI2680-BS	75-69-4	Trichlorofluoromethane	BSP	REC	106	%	65-141

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VI2680-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	87	%	73-122
VI2680-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	100	%	76-124
VI2680-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	97	%	75-124
VI2680-BS	108-05-4	Vinyl Acetate	BSP	REC	94	%	54-146
VI2680-BS	75-01-4	Vinyl Chloride	BSP	REC	103	%	58-137
VI2680-BS		m,p-Xylene	BSP	REC	99	%	80-121
VI2680-BS	95-47-6	o-Xylene	BSP	REC	102	%	78-122
VI2680-BS	1330-20-7	Xylene (total)	BSP	REC	100	%	79-121
VI2680-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	99	%	80-119
VI2680-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	99	%	81-118
VI2680-BS	2037-26-5	Toluene-D8	BSP	SURR	101	%	89-112
VI2680-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	98	%	85-114
FA98404-6MS*	67-64-1	Acetone	MS	REC	109	%	39-160
FA98404-6MS*	71-43-2	Benzene	MS	REC	93	%	79-120
FA98404-6MS*	108-86-1	Bromobenzene	MS	REC	83	%	80-120
FA98404-6MS*	74-97-5	Bromochloromethane	MS	REC	98	%	78-123
FA98404-6MS*	75-27-4	Bromodichloromethane	MS	REC	91	%	79-125
FA98404-6MS*	75-25-2	Bromoform	MS	REC	86	%	66-130
FA98404-6MS*	78-93-3	2-Butanone (MEK)	MS	REC	103	%	56-143
FA98404-6MS*	104-51-8	n-Butylbenzene	MS	REC	79	%	75-128
FA98404-6MS*	135-98-8	sec-Butylbenzene	MS	REC	92	%	77-126
FA98404-6MS*	98-06-6	tert-Butylbenzene	MS	REC	87	%	78-124
FA98404-6MS*	75-15-0	Carbon Disulfide	MS	REC	80	%	64-133
FA98404-6MS*	56-23-5	Carbon Tetrachloride	MS	REC	92	%	72-136
FA98404-6MS*	108-90-7	Chlorobenzene	MS	REC	90	%	82-118
FA98404-6MS*	75-00-3	Chloroethane	MS	REC	116	%	60-138
FA98404-6MS*	67-66-3	Chloroform	MS	REC	89	%	79-124
FA98404-6MS*	95-49-8	o-Chlorotoluene	MS	REC	91	%	79-122
FA98404-6MS*	106-43-4	p-Chlorotoluene	MS	REC	88	%	78-122
FA98404-6MS*	124-48-1	Dibromochloromethane	MS	REC	84	%	74-126
FA98404-6MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	86	%	62-128
FA98404-6MS*	106-93-4	1,2-Dibromoethane	MS	REC	91	%	77-121
FA98404-6MS*	75-71-8	Dichlorodifluoromethane	MS	REC	91	%	32-152
FA98404-6MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	88	%	80-119
FA98404-6MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	91	%	80-119
FA98404-6MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	87	%	79-118
FA98404-6MS*	75-34-3	1,1-Dichloroethane	MS	REC	98	%	77-125
FA98404-6MS*	107-06-2	1,2-Dichloroethane	MS	REC	94	%	73-128
FA98404-6MS*	75-35-4	1,1-Dichloroethylene	MS	REC	95	%	71-131
FA98404-6MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	93	%	78-123
FA98404-6MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	92	%	75-124
FA98404-6MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	93	%	79-121
FA98404-6MS*	78-87-5	1,2-Dichloropropane	MS	REC	88	%	78-122
FA98404-6MS*	142-28-9	1,3-Dichloropropane	MS	REC	84	%	80-119
FA98404-6MS*	594-20-7	2,2-Dichloropropane	MS	REC	70	%	60-139

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98404-6MS*	563-58-6	1,1-Dichloropropene	MS	REC	92	%	79-125
FA98404-6MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	80	%	75-124
FA98404-6MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	91	%	73-127
FA98404-6MS*	100-41-4	Ethylbenzene	MS	REC	89	%	79-121
FA98404-6MS*	87-68-3	Hexachlorobutadiene	MS	REC	82	%	66-134
FA98404-6MS*	591-78-6	2-Hexanone	MS	REC	97	%	57-139
FA98404-6MS*	98-82-8	Isopropylbenzene	MS	REC	92	%	72-131
FA98404-6MS*	99-87-6	p-Isopropyltoluene	MS	REC	93	%	77-127
FA98404-6MS*	74-83-9	Methyl Bromide	MS	REC	61	%	53-141
FA98404-6MS*	74-87-3	Methyl Chloride	MS	REC	93	%	50-139
FA98404-6MS*	74-95-3	Methylene Bromide	MS	REC	91	%	79-123
FA98404-6MS*	75-09-2	Methylene Chloride	MS	REC	76	%	74-124
FA98404-6MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	102	%	67-130
FA98404-6MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	106	%	71-124
FA98404-6MS*	91-20-3	Naphthalene	MS	REC	90	%	61-128
FA98404-6MS*	103-65-1	n-Propylbenzene	MS	REC	90	%	76-126
FA98404-6MS*	100-42-5	Styrene	MS	REC	88	%	78-123
FA98404-6MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	88	%	78-124
FA98404-6MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	92	%	71-121
FA98404-6MS*	127-18-4	Tetrachloroethylene	MS	REC	86	%	74-129
FA98404-6MS*	108-88-3	Toluene	MS	REC	91	%	80-121
FA98404-6MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	86	%	69-129
FA98404-6MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	84	%	69-130
FA98404-6MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	92	%	74-131
FA98404-6MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	92	%	80-119
FA98404-6MS*	79-01-6	Trichloroethylene	MS	REC	89	%	79-123
FA98404-6MS*	75-69-4	Trichlorofluoromethane	MS	REC	106	%	65-141
FA98404-6MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	84	%	73-122
FA98404-6MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	93	%	76-124
FA98404-6MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	87	%	75-124
FA98404-6MS*	108-05-4	Vinyl Acetate	MS	REC	80	%	54-146
FA98404-6MS*	75-01-4	Vinyl Chloride	MS	REC	96	%	58-137
FA98404-6MS*		m,p-Xylene	MS	REC	94	%	80-121
FA98404-6MS*	95-47-6	o-Xylene	MS	REC	93	%	78-122
FA98404-6MS*	1330-20-7	Xylene (total)	MS	REC	94	%	79-121
FA98404-6MS*	1868-53-7	Dibromofluoromethane	MS	SURR	101	%	80-119
FA98404-6MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	102	%	81-118
FA98404-6MS*	2037-26-5	Toluene-D8	MS	SURR	99	%	89-112
FA98404-6MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	98	%	85-114
FA98404-6MSD*	67-64-1	Acetone	MSD	REC	107	%	39-160
FA98404-6MSD*	67-64-1	Acetone	MSD	RPD	1	%	20
FA98404-6MSD*	71-43-2	Benzene	MSD	REC	99	%	79-120
FA98404-6MSD*	71-43-2	Benzene	MSD	RPD	6	%	20
FA98404-6MSD*	108-86-1	Bromobenzene	MSD	REC	92	%	80-120
FA98404-6MSD*	108-86-1	Bromobenzene	MSD	RPD	10	%	20

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98404-6MSD*	74-97-5	Bromochloromethane	MSD	REC	103	%	78-123
FA98404-6MSD*	74-97-5	Bromochloromethane	MSD	RPD	5	%	20
FA98404-6MSD*	75-27-4	Bromodichloromethane	MSD	REC	98	%	79-125
FA98404-6MSD*	75-27-4	Bromodichloromethane	MSD	RPD	7	%	20
FA98404-6MSD*	75-25-2	Bromoform	MSD	REC	95	%	66-130
FA98404-6MSD*	75-25-2	Bromoform	MSD	RPD	10	%	20
FA98404-6MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	105	%	56-143
FA98404-6MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	2	%	20
FA98404-6MSD*	104-51-8	n-Butylbenzene	MSD	REC	85	%	75-128
FA98404-6MSD*	104-51-8	n-Butylbenzene	MSD	RPD	7	%	20
FA98404-6MSD*	135-98-8	sec-Butylbenzene	MSD	REC	97	%	77-126
FA98404-6MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	5	%	20
FA98404-6MSD*	98-06-6	tert-Butylbenzene	MSD	REC	93	%	78-124
FA98404-6MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	6	%	20
FA98404-6MSD*	75-15-0	Carbon Disulfide	MSD	REC	88	%	64-133
FA98404-6MSD*	75-15-0	Carbon Disulfide	MSD	RPD	9	%	20
FA98404-6MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	99	%	72-136
FA98404-6MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	7	%	20
FA98404-6MSD*	108-90-7	Chlorobenzene	MSD	REC	98	%	82-118
FA98404-6MSD*	108-90-7	Chlorobenzene	MSD	RPD	9	%	20
FA98404-6MSD*	75-00-3	Chloroethane	MSD	REC	123	%	60-138
FA98404-6MSD*	75-00-3	Chloroethane	MSD	RPD	6	%	20
FA98404-6MSD*	67-66-3	Chloroform	MSD	REC	102	%	79-124
FA98404-6MSD*	67-66-3	Chloroform	MSD	RPD	13	%	20
FA98404-6MSD*	95-49-8	o-Chlorotoluene	MSD	REC	96	%	79-122
FA98404-6MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	6	%	20
FA98404-6MSD*	106-43-4	p-Chlorotoluene	MSD	REC	94	%	78-122
FA98404-6MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	6	%	20
FA98404-6MSD*	124-48-1	Dibromochloromethane	MSD	REC	93	%	74-126
FA98404-6MSD*	124-48-1	Dibromochloromethane	MSD	RPD	9	%	20
FA98404-6MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	94	%	62-128
FA98404-6MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	9	%	20
FA98404-6MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	99	%	77-121
FA98404-6MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	8	%	20
FA98404-6MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	91	%	32-152
FA98404-6MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	0	%	20
FA98404-6MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	96	%	80-119
FA98404-6MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	9	%	20
FA98404-6MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	97	%	80-119
FA98404-6MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	6	%	20
FA98404-6MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	93	%	79-118
FA98404-6MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	7	%	20
FA98404-6MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	106	%	77-125
FA98404-6MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	8	%	20
FA98404-6MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	98	%	73-128

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98404-6MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	5	%	20
FA98404-6MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	102	%	71-131
FA98404-6MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	7	%	20
FA98404-6MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	100	%	78-123
FA98404-6MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	7	%	20
FA98404-6MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	100	%	75-124
FA98404-6MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	7	%	20
FA98404-6MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	100	%	79-121
FA98404-6MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	7	%	20
FA98404-6MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	94	%	78-122
FA98404-6MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	6	%	20
FA98404-6MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	92	%	80-119
FA98404-6MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	9	%	20
FA98404-6MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	73	%	60-139
FA98404-6MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	4	%	20
FA98404-6MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	98	%	79-125
FA98404-6MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	6	%	20
FA98404-6MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	87	%	75-124
FA98404-6MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	8	%	20
FA98404-6MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	100	%	73-127
FA98404-6MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	10	%	20
FA98404-6MSD*	100-41-4	Ethylbenzene	MSD	REC	96	%	79-121
FA98404-6MSD*	100-41-4	Ethylbenzene	MSD	RPD	7	%	20
FA98404-6MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	89	%	66-134
FA98404-6MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	8	%	20
FA98404-6MSD*	591-78-6	2-Hexanone	MSD	REC	98	%	57-139
FA98404-6MSD*	591-78-6	2-Hexanone	MSD	RPD	2	%	20
FA98404-6MSD*	98-82-8	Isopropylbenzene	MSD	REC	97	%	72-131
FA98404-6MSD*	98-82-8	Isopropylbenzene	MSD	RPD	5	%	20
FA98404-6MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	99	%	77-127
FA98404-6MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	6	%	20
FA98404-6MSD*	74-83-9	Methyl Bromide	MSD	REC	56	%	53-141
FA98404-6MSD*	74-83-9	Methyl Bromide	MSD	RPD	8	%	20
FA98404-6MSD*	74-87-3	Methyl Chloride	MSD	REC	99	%	50-139
FA98404-6MSD*	74-87-3	Methyl Chloride	MSD	RPD	6	%	20
FA98404-6MSD*	74-95-3	Methylene Bromide	MSD	REC	94	%	79-123
FA98404-6MSD*	74-95-3	Methylene Bromide	MSD	RPD	3	%	20
FA98404-6MSD*	75-09-2	Methylene Chloride	MSD	REC	83	%	74-124
FA98404-6MSD*	75-09-2	Methylene Chloride	MSD	RPD	9	%	20
FA98404-6MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	104	%	67-130
FA98404-6MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	2	%	20
FA98404-6MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	115	%	71-124
FA98404-6MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	8	%	20
FA98404-6MSD*	91-20-3	Naphthalene	MSD	REC	98	%	61-128
FA98404-6MSD*	91-20-3	Naphthalene	MSD	RPD	9	%	20

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98404-6MSD*	103-65-1	n-Propylbenzene	MSD	REC	96	%	76-126
FA98404-6MSD*	103-65-1	n-Propylbenzene	MSD	RPD	6	%	20
FA98404-6MSD*	100-42-5	Styrene	MSD	REC	97	%	78-123
FA98404-6MSD*	100-42-5	Styrene	MSD	RPD	10	%	20
FA98404-6MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	99	%	78-124
FA98404-6MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	11	%	20
FA98404-6MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	101	%	71-121
FA98404-6MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	10	%	20
FA98404-6MSD*	127-18-4	Tetrachloroethylene	MSD	REC	92	%	74-129
FA98404-6MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	6	%	20
FA98404-6MSD*	108-88-3	Toluene	MSD	REC	97	%	80-121
FA98404-6MSD*	108-88-3	Toluene	MSD	RPD	7	%	20
FA98404-6MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	92	%	69-129
FA98404-6MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	7	%	20
FA98404-6MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	92	%	69-130
FA98404-6MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	10	%	20
FA98404-6MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	100	%	74-131
FA98404-6MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	8	%	20
FA98404-6MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	100	%	80-119
FA98404-6MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	8	%	20
FA98404-6MSD*	79-01-6	Trichloroethylene	MSD	REC	96	%	79-123
FA98404-6MSD*	79-01-6	Trichloroethylene	MSD	RPD	7	%	20
FA98404-6MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	103	%	65-141
FA98404-6MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	2	%	20
FA98404-6MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	90	%	73-122
FA98404-6MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	7	%	20
FA98404-6MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	100	%	76-124
FA98404-6MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	7	%	20
FA98404-6MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	95	%	75-124
FA98404-6MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	9	%	20
FA98404-6MSD*	108-05-4	Vinyl Acetate	MSD	REC	80	%	54-146
FA98404-6MSD*	108-05-4	Vinyl Acetate	MSD	RPD	1	%	20
FA98404-6MSD*	75-01-4	Vinyl Chloride	MSD	REC	100	%	58-137
FA98404-6MSD*	75-01-4	Vinyl Chloride	MSD	RPD	4	%	20
FA98404-6MSD*		m,p-Xylene	MSD	REC	99	%	80-121
FA98404-6MSD*		m,p-Xylene	MSD	RPD	4	%	20
FA98404-6MSD*	95-47-6	o-Xylene	MSD	REC	100	%	78-122
FA98404-6MSD*	95-47-6	o-Xylene	MSD	RPD	6	%	20
FA98404-6MSD*	1330-20-7	Xylene (total)	MSD	REC	99	%	79-121
FA98404-6MSD*	1330-20-7	Xylene (total)	MSD	RPD	5	%	20
FA98404-6MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	101	%	80-119
FA98404-6MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	99	%	81-118
FA98404-6MSD*	2037-26-5	Toluene-D8	MSD	SURR	100	%	89-112
FA98404-6MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	99	%	85-114
VI2680-MB	1868-53-7	Dibromofluoromethane	MB	SURR	99	%	80-119

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VI2680-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	101	%	81-118
VI2680-MB	2037-26-5	Toluene-D8	MB	SURR	99	%	89-112
VI2680-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	99	%	85-114
FA98456-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	100	%	80-119
FA98456-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FA98456-4	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FA98456-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	85-114
FA98456-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
FA98456-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FA98456-5	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98456-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	102	%	85-114
FA98456-6	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
FA98456-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA98456-6	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FA98456-6	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FA98456-7	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
FA98456-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FA98456-7	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA98456-7	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
FA98456-8	1868-53-7	Dibromofluoromethane	SAMP	SURR	100	%	80-119
FA98456-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FA98456-8	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA98456-8	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FA98456-9	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
FA98456-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA98456-9	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA98456-9	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
FA98456-10	1868-53-7	Dibromofluoromethane	SAMP	SURR	99	%	80-119
FA98456-10	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FA98456-10	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA98456-10	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	85-114
VO2809	SW846 8260D						
VO2809-BS	67-64-1	Acetone	BSP	REC	102	%	39-160
VO2809-BS	71-43-2	Benzene	BSP	REC	95	%	79-120
VO2809-BS	108-86-1	Bromobenzene	BSP	REC	84	%	80-120
VO2809-BS	74-97-5	Bromochloromethane	BSP	REC	96	%	78-123
VO2809-BS	75-27-4	Bromodichloromethane	BSP	REC	96	%	79-125
VO2809-BS	75-25-2	Bromoform	BSP	REC	88	%	66-130
VO2809-BS	78-93-3	2-Butanone (MEK)	BSP	REC	95	%	56-143
VO2809-BS	104-51-8	n-Butylbenzene	BSP	REC	88	%	75-128
VO2809-BS	135-98-8	sec-Butylbenzene	BSP	REC	100	%	77-126
VO2809-BS	98-06-6	tert-Butylbenzene	BSP	REC	92	%	78-124
VO2809-BS	75-15-0	Carbon Disulfide	BSP	REC	79	%	64-133

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VO2809-BS	56-23-5	Carbon Tetrachloride	BSP	REC	101	%	72-136
VO2809-BS	108-90-7	Chlorobenzene	BSP	REC	91	%	82-118
VO2809-BS	75-00-3	Chloroethane	BSP	REC	114	%	60-138
VO2809-BS	67-66-3	Chloroform	BSP	REC	94	%	79-124
VO2809-BS	95-49-8	o-Chlorotoluene	BSP	REC	90	%	79-122
VO2809-BS	106-43-4	p-Chlorotoluene	BSP	REC	90	%	78-122
VO2809-BS	124-48-1	Dibromochloromethane	BSP	REC	86	%	74-126
VO2809-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	78	%	62-128
VO2809-BS	106-93-4	1,2-Dibromoethane	BSP	REC	88	%	77-121
VO2809-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	134	%	32-152
VO2809-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	90	%	80-119
VO2809-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	91	%	80-119
VO2809-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	94	%	79-118
VO2809-BS	75-34-3	1,1-Dichloroethane	BSP	REC	101	%	77-125
VO2809-BS	107-06-2	1,2-Dichloroethane	BSP	REC	92	%	73-128
VO2809-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	99	%	71-131
VO2809-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	100	%	78-123
VO2809-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	94	%	75-124
VO2809-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	97	%	79-121
VO2809-BS	78-87-5	1,2-Dichloropropane	BSP	REC	92	%	78-122
VO2809-BS	142-28-9	1,3-Dichloropropane	BSP	REC	82	%	80-119
VO2809-BS	594-20-7	2,2-Dichloropropane	BSP	REC	90	%	60-139
VO2809-BS	563-58-6	1,1-Dichloropropene	BSP	REC	98	%	79-125
VO2809-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	91	%	75-124
VO2809-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	98	%	73-127
VO2809-BS	100-41-4	Ethylbenzene	BSP	REC	92	%	79-121
VO2809-BS	87-68-3	Hexachlorobutadiene	BSP	REC	94	%	66-134
VO2809-BS	591-78-6	2-Hexanone	BSP	REC	91	%	57-139
VO2809-BS	98-82-8	Isopropylbenzene	BSP	REC	96	%	72-131
VO2809-BS	99-87-6	p-Isopropyltoluene	BSP	REC	98	%	77-127
VO2809-BS	74-83-9	Methyl Bromide	BSP	REC	82	%	53-141
VO2809-BS	74-87-3	Methyl Chloride	BSP	REC	116	%	50-139
VO2809-BS	74-95-3	Methylene Bromide	BSP	REC	91	%	79-123
VO2809-BS	75-09-2	Methylene Chloride	BSP	REC	106	%	74-124
VO2809-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	88	%	67-130
VO2809-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	106	%	71-124
VO2809-BS	91-20-3	Naphthalene	BSP	REC	87	%	61-128
VO2809-BS	103-65-1	n-Propylbenzene	BSP	REC	93	%	76-126
VO2809-BS	100-42-5	Styrene	BSP	REC	92	%	78-123
VO2809-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	92	%	78-124
VO2809-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	89	%	71-121
VO2809-BS	127-18-4	Tetrachloroethylene	BSP	REC	97	%	74-129
VO2809-BS	108-88-3	Toluene	BSP	REC	92	%	80-121
VO2809-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	85	%	69-129
VO2809-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	85	%	69-130

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VO2809-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	100	%	74-131
VO2809-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	89	%	80-119
VO2809-BS	79-01-6	Trichloroethylene	BSP	REC	102	%	79-123
VO2809-BS	75-69-4	Trichlorofluoromethane	BSP	REC	111	%	65-141
VO2809-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	82	%	73-122
VO2809-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	93	%	76-124
VO2809-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	90	%	75-124
VO2809-BS	108-05-4	Vinyl Acetate	BSP	REC	100	%	54-146
VO2809-BS	75-01-4	Vinyl Chloride	BSP	REC	117	%	58-137
VO2809-BS		m,p-Xylene	BSP	REC	92	%	80-121
VO2809-BS	95-47-6	o-Xylene	BSP	REC	92	%	78-122
VO2809-BS	1330-20-7	Xylene (total)	BSP	REC	92	%	79-121
VO2809-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	98	%	80-119
VO2809-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	98	%	81-118
VO2809-BS	2037-26-5	Toluene-D8	BSP	SURR	96	%	89-112
VO2809-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	98	%	85-114
FA98394-2MS*	67-64-1	Acetone	MS	REC	154	%	39-160
FA98394-2MS*	71-43-2	Benzene	MS	REC	94	%	79-120
FA98394-2MS*	108-86-1	Bromobenzene	MS	REC	81	%	80-120
FA98394-2MS*	74-97-5	Bromochloromethane	MS	REC	96	%	78-123
FA98394-2MS*	75-27-4	Bromodichloromethane	MS	REC	93	%	79-125
FA98394-2MS*	75-25-2	Bromoform	MS	REC	81	%	66-130
FA98394-2MS*	78-93-3	2-Butanone (MEK)	MS	REC	94	%	56-143
FA98394-2MS*	104-51-8	n-Butylbenzene	MS	REC	78	%	75-128
FA98394-2MS*	135-98-8	sec-Butylbenzene	MS	REC	90	%	77-126
FA98394-2MS*	98-06-6	tert-Butylbenzene	MS	REC	83	%	78-124
FA98394-2MS*	75-15-0	Carbon Disulfide	MS	REC	74	%	64-133
FA98394-2MS*	56-23-5	Carbon Tetrachloride	MS	REC	92	%	72-136
FA98394-2MS*	108-90-7	Chlorobenzene	MS	REC	89	%	82-118
FA98394-2MS*	75-00-3	Chloroethane	MS	REC	110	%	60-138
FA98394-2MS*	67-66-3	Chloroform	MS	REC	94	%	79-124
FA98394-2MS*	95-49-8	o-Chlorotoluene	MS	REC	84	%	79-122
FA98394-2MS*	106-43-4	p-Chlorotoluene	MS	REC	84	%	78-122
FA98394-2MS*	124-48-1	Dibromochloromethane	MS	REC	81	%	74-126
FA98394-2MS*	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	70	%	62-128
FA98394-2MS*	106-93-4	1,2-Dibromoethane	MS	REC	83	%	77-121
FA98394-2MS*	75-71-8	Dichlorodifluoromethane	MS	REC	92	%	32-152
FA98394-2MS*	95-50-1	1,2-Dichlorobenzene	MS	REC	85	%	80-119
FA98394-2MS*	541-73-1	1,3-Dichlorobenzene	MS	REC	86	%	80-119
FA98394-2MS*	106-46-7	1,4-Dichlorobenzene	MS	REC	89	%	79-118
FA98394-2MS*	75-34-3	1,1-Dichloroethane	MS	REC	102	%	77-125
FA98394-2MS*	107-06-2	1,2-Dichloroethane	MS	REC	92	%	73-128
FA98394-2MS*	75-35-4	1,1-Dichloroethylene	MS	REC	94	%	71-131
FA98394-2MS*	156-59-2	cis-1,2-Dichloroethylene	MS	REC	-8	%	78-123
FA98394-2MS*	156-60-5	trans-1,2-Dichloroethylene	MS	REC	92	%	75-124

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98394-2MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	42	%	79-121
FA98394-2MS*	78-87-5	1,2-Dichloropropane	MS	REC	92	%	78-122
FA98394-2MS*	142-28-9	1,3-Dichloropropane	MS	REC	80	%	80-119
FA98394-2MS*	594-20-7	2,2-Dichloropropane	MS	REC	72	%	60-139
FA98394-2MS*	563-58-6	1,1-Dichloropropene	MS	REC	92	%	79-125
FA98394-2MS*	10061-01-5	cis-1,3-Dichloropropene	MS	REC	87	%	75-124
FA98394-2MS*	10061-02-6	trans-1,3-Dichloropropene	MS	REC	87	%	73-127
FA98394-2MS*	100-41-4	Ethylbenzene	MS	REC	86	%	79-121
FA98394-2MS*	87-68-3	Hexachlorobutadiene	MS	REC	88	%	66-134
FA98394-2MS*	591-78-6	2-Hexanone	MS	REC	94	%	57-139
FA98394-2MS*	98-82-8	Isopropylbenzene	MS	REC	88	%	72-131
FA98394-2MS*	99-87-6	p-Isopropyltoluene	MS	REC	89	%	77-127
FA98394-2MS*	74-83-9	Methyl Bromide	MS	REC	63	%	53-141
FA98394-2MS*	74-87-3	Methyl Chloride	MS	REC	100	%	50-139
FA98394-2MS*	74-95-3	Methylene Bromide	MS	REC	90	%	79-123
FA98394-2MS*	75-09-2	Methylene Chloride	MS	REC	93	%	74-124
FA98394-2MS*	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	91	%	67-130
FA98394-2MS*	1634-04-4	Methyl Tert Butyl Ether	MS	REC	102	%	71-124
FA98394-2MS*	91-20-3	Naphthalene	MS	REC	83	%	61-128
FA98394-2MS*	103-65-1	n-Propylbenzene	MS	REC	84	%	76-126
FA98394-2MS*	100-42-5	Styrene	MS	REC	88	%	78-123
FA98394-2MS*	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	89	%	78-124
FA98394-2MS*	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	84	%	71-121
FA98394-2MS*	127-18-4	Tetrachloroethylene	MS	REC	79	%	74-129
FA98394-2MS*	108-88-3	Toluene	MS	REC	87	%	80-121
FA98394-2MS*	87-61-6	1,2,3-Trichlorobenzene	MS	REC	81	%	69-129
FA98394-2MS*	120-82-1	1,2,4-Trichlorobenzene	MS	REC	81	%	69-130
FA98394-2MS*	71-55-6	1,1,1-Trichloroethane	MS	REC	96	%	74-131
FA98394-2MS*	79-00-5	1,1,2-Trichloroethane	MS	REC	90	%	80-119
FA98394-2MS*	79-01-6	Trichloroethylene	MS	REC	-238 [a]	%	79-123
FA98394-2MS*	75-69-4	Trichlorofluoromethane	MS	REC	102	%	65-141
FA98394-2MS*	96-18-4	1,2,3-Trichloropropane	MS	REC	79	%	73-122
FA98394-2MS*	95-63-6	1,2,4-Trimethylbenzene	MS	REC	86	%	76-124
FA98394-2MS*	108-67-8	1,3,5-Trimethylbenzene	MS	REC	83	%	75-124
FA98394-2MS*	108-05-4	Vinyl Acetate	MS	REC	100	%	54-146
FA98394-2MS*	75-01-4	Vinyl Chloride	MS	REC	104	%	58-137
FA98394-2MS*		m,p-Xylene	MS	REC	87	%	80-121
FA98394-2MS*	95-47-6	o-Xylene	MS	REC	86	%	78-122
FA98394-2MS*	1330-20-7	Xylene (total)	MS	REC	87	%	79-121
FA98394-2MS*	1868-53-7	Dibromofluoromethane	MS	SURR	99	%	80-119
FA98394-2MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	97	%	81-118
FA98394-2MS*	2037-26-5	Toluene-D8	MS	SURR	96	%	89-112
FA98394-2MS*	460-00-4	4-Bromofluorobenzene	MS	SURR	97	%	85-114
FA98394-2MSD*	67-64-1	Acetone	MSD	REC	157	%	39-160
FA98394-2MSD*	67-64-1	Acetone	MSD	RPD	2	%	20

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98394-2MSD*	71-43-2	Benzene	MSD	REC	100	%	79-120
FA98394-2MSD*	71-43-2	Benzene	MSD	RPD	6	%	20
FA98394-2MSD*	108-86-1	Bromobenzene	MSD	REC	86	%	80-120
FA98394-2MSD*	108-86-1	Bromobenzene	MSD	RPD	6	%	20
FA98394-2MSD*	74-97-5	Bromochloromethane	MSD	REC	98	%	78-123
FA98394-2MSD*	74-97-5	Bromochloromethane	MSD	RPD	2	%	20
FA98394-2MSD*	75-27-4	Bromodichloromethane	MSD	REC	96	%	79-125
FA98394-2MSD*	75-27-4	Bromodichloromethane	MSD	RPD	3	%	20
FA98394-2MSD*	75-25-2	Bromoform	MSD	REC	84	%	66-130
FA98394-2MSD*	75-25-2	Bromoform	MSD	RPD	4	%	20
FA98394-2MSD*	78-93-3	2-Butanone (MEK)	MSD	REC	95	%	56-143
FA98394-2MSD*	78-93-3	2-Butanone (MEK)	MSD	RPD	2	%	20
FA98394-2MSD*	104-51-8	n-Butylbenzene	MSD	REC	87	%	75-128
FA98394-2MSD*	104-51-8	n-Butylbenzene	MSD	RPD	11	%	20
FA98394-2MSD*	135-98-8	sec-Butylbenzene	MSD	REC	102	%	77-126
FA98394-2MSD*	135-98-8	sec-Butylbenzene	MSD	RPD	13	%	20
FA98394-2MSD*	98-06-6	tert-Butylbenzene	MSD	REC	94	%	78-124
FA98394-2MSD*	98-06-6	tert-Butylbenzene	MSD	RPD	13	%	20
FA98394-2MSD*	75-15-0	Carbon Disulfide	MSD	REC	83	%	64-133
FA98394-2MSD*	75-15-0	Carbon Disulfide	MSD	RPD	11	%	20
FA98394-2MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	104	%	72-136
FA98394-2MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	13	%	20
FA98394-2MSD*	108-90-7	Chlorobenzene	MSD	REC	95	%	82-118
FA98394-2MSD*	108-90-7	Chlorobenzene	MSD	RPD	7	%	20
FA98394-2MSD*	75-00-3	Chloroethane	MSD	REC	114	%	60-138
FA98394-2MSD*	75-00-3	Chloroethane	MSD	RPD	4	%	20
FA98394-2MSD*	67-66-3	Chloroform	MSD	REC	99	%	79-124
FA98394-2MSD*	67-66-3	Chloroform	MSD	RPD	5	%	20
FA98394-2MSD*	95-49-8	o-Chlorotoluene	MSD	REC	92	%	79-122
FA98394-2MSD*	95-49-8	o-Chlorotoluene	MSD	RPD	10	%	20
FA98394-2MSD*	106-43-4	p-Chlorotoluene	MSD	REC	92	%	78-122
FA98394-2MSD*	106-43-4	p-Chlorotoluene	MSD	RPD	10	%	20
FA98394-2MSD*	124-48-1	Dibromochloromethane	MSD	REC	85	%	74-126
FA98394-2MSD*	124-48-1	Dibromochloromethane	MSD	RPD	5	%	20
FA98394-2MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	74	%	62-128
FA98394-2MSD*	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	4	%	20
FA98394-2MSD*	106-93-4	1,2-Dibromoethane	MSD	REC	85	%	77-121
FA98394-2MSD*	106-93-4	1,2-Dibromoethane	MSD	RPD	2	%	20
FA98394-2MSD*	75-71-8	Dichlorodifluoromethane	MSD	REC	103	%	32-152
FA98394-2MSD*	75-71-8	Dichlorodifluoromethane	MSD	RPD	11	%	20
FA98394-2MSD*	95-50-1	1,2-Dichlorobenzene	MSD	REC	91	%	80-119
FA98394-2MSD*	95-50-1	1,2-Dichlorobenzene	MSD	RPD	7	%	20
FA98394-2MSD*	541-73-1	1,3-Dichlorobenzene	MSD	REC	93	%	80-119
FA98394-2MSD*	541-73-1	1,3-Dichlorobenzene	MSD	RPD	8	%	20
FA98394-2MSD*	106-46-7	1,4-Dichlorobenzene	MSD	REC	97	%	79-118

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98394-2MSD*	106-46-7	1,4-Dichlorobenzene	MSD	RPD	9	%	20
FA98394-2MSD*	75-34-3	1,1-Dichloroethane	MSD	REC	106	%	77-125
FA98394-2MSD*	75-34-3	1,1-Dichloroethane	MSD	RPD	4	%	20
FA98394-2MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	95	%	73-128
FA98394-2MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	3	%	20
FA98394-2MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	101	%	71-131
FA98394-2MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	7	%	20
FA98394-2MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	-3	%	78-123
FA98394-2MSD*	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	5	%	20
FA98394-2MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	100	%	75-124
FA98394-2MSD*	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	9	%	20
FA98394-2MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	48	%	79-121
FA98394-2MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	7	%	20
FA98394-2MSD*	78-87-5	1,2-Dichloropropane	MSD	REC	95	%	78-122
FA98394-2MSD*	78-87-5	1,2-Dichloropropane	MSD	RPD	3	%	20
FA98394-2MSD*	142-28-9	1,3-Dichloropropane	MSD	REC	82	%	80-119
FA98394-2MSD*	142-28-9	1,3-Dichloropropane	MSD	RPD	3	%	20
FA98394-2MSD*	594-20-7	2,2-Dichloropropane	MSD	REC	80	%	60-139
FA98394-2MSD*	594-20-7	2,2-Dichloropropane	MSD	RPD	9	%	20
FA98394-2MSD*	563-58-6	1,1-Dichloropropene	MSD	REC	103	%	79-125
FA98394-2MSD*	563-58-6	1,1-Dichloropropene	MSD	RPD	12	%	20
FA98394-2MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	91	%	75-124
FA98394-2MSD*	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	5	%	20
FA98394-2MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	94	%	73-127
FA98394-2MSD*	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	7	%	20
FA98394-2MSD*	100-41-4	Ethylbenzene	MSD	REC	94	%	79-121
FA98394-2MSD*	100-41-4	Ethylbenzene	MSD	RPD	9	%	20
FA98394-2MSD*	87-68-3	Hexachlorobutadiene	MSD	REC	95	%	66-134
FA98394-2MSD*	87-68-3	Hexachlorobutadiene	MSD	RPD	8	%	20
FA98394-2MSD*	591-78-6	2-Hexanone	MSD	REC	96	%	57-139
FA98394-2MSD*	591-78-6	2-Hexanone	MSD	RPD	2	%	20
FA98394-2MSD*	98-82-8	Isopropylbenzene	MSD	REC	100	%	72-131
FA98394-2MSD*	98-82-8	Isopropylbenzene	MSD	RPD	12	%	20
FA98394-2MSD*	99-87-6	p-Isopropyltoluene	MSD	REC	100	%	77-127
FA98394-2MSD*	99-87-6	p-Isopropyltoluene	MSD	RPD	11	%	20
FA98394-2MSD*	74-83-9	Methyl Bromide	MSD	REC	74	%	53-141
FA98394-2MSD*	74-83-9	Methyl Bromide	MSD	RPD	17	%	20
FA98394-2MSD*	74-87-3	Methyl Chloride	MSD	REC	102	%	50-139
FA98394-2MSD*	74-87-3	Methyl Chloride	MSD	RPD	3	%	20
FA98394-2MSD*	74-95-3	Methylene Bromide	MSD	REC	92	%	79-123
FA98394-2MSD*	74-95-3	Methylene Bromide	MSD	RPD	1	%	20
FA98394-2MSD*	75-09-2	Methylene Chloride	MSD	REC	90	%	74-124
FA98394-2MSD*	75-09-2	Methylene Chloride	MSD	RPD	2	%	20
FA98394-2MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	93	%	67-130
FA98394-2MSD*	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	2	%	20

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98394-2MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	106	%	71-124
FA98394-2MSD*	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	4	%	20
FA98394-2MSD*	91-20-3	Naphthalene	MSD	REC	90	%	61-128
FA98394-2MSD*	91-20-3	Naphthalene	MSD	RPD	8	%	20
FA98394-2MSD*	103-65-1	n-Propylbenzene	MSD	REC	95	%	76-126
FA98394-2MSD*	103-65-1	n-Propylbenzene	MSD	RPD	12	%	20
FA98394-2MSD*	100-42-5	Styrene	MSD	REC	96	%	78-123
FA98394-2MSD*	100-42-5	Styrene	MSD	RPD	9	%	20
FA98394-2MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	94	%	78-124
FA98394-2MSD*	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	5	%	20
FA98394-2MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	88	%	71-121
FA98394-2MSD*	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	4	%	20
FA98394-2MSD*	127-18-4	Tetrachloroethylene	MSD	REC	87	%	74-129
FA98394-2MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	8	%	20
FA98394-2MSD*	108-88-3	Toluene	MSD	REC	94	%	80-121
FA98394-2MSD*	108-88-3	Toluene	MSD	RPD	7	%	20
FA98394-2MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	88	%	69-129
FA98394-2MSD*	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	8	%	20
FA98394-2MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	88	%	69-130
FA98394-2MSD*	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	8	%	20
FA98394-2MSD*	71-55-6	1,1,1-Trichloroethane	MSD	REC	107	%	74-131
FA98394-2MSD*	71-55-6	1,1,1-Trichloroethane	MSD	RPD	10	%	20
FA98394-2MSD*	79-00-5	1,1,2-Trichloroethane	MSD	REC	92	%	80-119
FA98394-2MSD*	79-00-5	1,1,2-Trichloroethane	MSD	RPD	3	%	20
FA98394-2MSD*	79-01-6	Trichloroethylene	MSD	REC	-231 [a]	%	79-123
FA98394-2MSD*	79-01-6	Trichloroethylene	MSD	RPD	7	%	20
FA98394-2MSD*	75-69-4	Trichlorofluoromethane	MSD	REC	110	%	65-141
FA98394-2MSD*	75-69-4	Trichlorofluoromethane	MSD	RPD	8	%	20
FA98394-2MSD*	96-18-4	1,2,3-Trichloropropane	MSD	REC	84	%	73-122
FA98394-2MSD*	96-18-4	1,2,3-Trichloropropane	MSD	RPD	6	%	20
FA98394-2MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	96	%	76-124
FA98394-2MSD*	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	11	%	20
FA98394-2MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	93	%	75-124
FA98394-2MSD*	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	11	%	20
FA98394-2MSD*	108-05-4	Vinyl Acetate	MSD	REC	102	%	54-146
FA98394-2MSD*	108-05-4	Vinyl Acetate	MSD	RPD	2	%	20
FA98394-2MSD*	75-01-4	Vinyl Chloride	MSD	REC	108	%	58-137
FA98394-2MSD*	75-01-4	Vinyl Chloride	MSD	RPD	4	%	20
FA98394-2MSD*		m,p-Xylene	MSD	REC	95	%	80-121
FA98394-2MSD*		m,p-Xylene	MSD	RPD	9	%	20
FA98394-2MSD*	95-47-6	o-Xylene	MSD	REC	96	%	78-122
FA98394-2MSD*	95-47-6	o-Xylene	MSD	RPD	11	%	20
FA98394-2MSD*	1330-20-7	Xylene (total)	MSD	REC	95	%	79-121
FA98394-2MSD*	1330-20-7	Xylene (total)	MSD	RPD	10	%	20
FA98394-2MSD*	1868-53-7	Dibromofluoromethane	MSD	SURR	98	%	80-119

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98394-2MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	95	%	81-118
FA98394-2MSD*	2037-26-5	Toluene-D8	MSD	SURR	97	%	89-112
FA98394-2MSD*	460-00-4	4-Bromofluorobenzene	MSD	SURR	96	%	85-114
VO2809-MB	1868-53-7	Dibromofluoromethane	MB	SURR	96	%	80-119
VO2809-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	101	%	81-118
VO2809-MB	2037-26-5	Toluene-D8	MB	SURR	97	%	89-112
VO2809-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	100	%	85-114
FA98456-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	95	%	80-119
FA98456-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	98	%	81-118
FA98456-4	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA98456-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	85-114
VY2669	SW846 8260D						
VY2669-BS	67-64-1	Acetone	BSP	REC	108	%	39-160
VY2669-BS	71-43-2	Benzene	BSP	REC	101	%	79-120
VY2669-BS	108-86-1	Bromobenzene	BSP	REC	84	%	80-120
VY2669-BS	74-97-5	Bromochloromethane	BSP	REC	90	%	78-123
VY2669-BS	75-27-4	Bromodichloromethane	BSP	REC	102	%	79-125
VY2669-BS	75-25-2	Bromoform	BSP	REC	90	%	66-130
VY2669-BS	78-93-3	2-Butanone (MEK)	BSP	REC	103	%	56-143
VY2669-BS	104-51-8	n-Butylbenzene	BSP	REC	89	%	75-128
VY2669-BS	135-98-8	sec-Butylbenzene	BSP	REC	99	%	77-126
VY2669-BS	98-06-6	tert-Butylbenzene	BSP	REC	93	%	78-124
VY2669-BS	75-15-0	Carbon Disulfide	BSP	REC	92	%	64-133
VY2669-BS	56-23-5	Carbon Tetrachloride	BSP	REC	106	%	72-136
VY2669-BS	108-90-7	Chlorobenzene	BSP	REC	92	%	82-118
VY2669-BS	75-00-3	Chloroethane	BSP	REC	111	%	60-138
VY2669-BS	67-66-3	Chloroform	BSP	REC	101	%	79-124
VY2669-BS	95-49-8	o-Chlorotoluene	BSP	REC	89	%	79-122
VY2669-BS	106-43-4	p-Chlorotoluene	BSP	REC	88	%	78-122
VY2669-BS	124-48-1	Dibromochloromethane	BSP	REC	88	%	74-126
VY2669-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	82	%	62-128
VY2669-BS	106-93-4	1,2-Dibromoethane	BSP	REC	90	%	77-121
VY2669-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	103	%	32-152
VY2669-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	88	%	80-119
VY2669-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	90	%	80-119
VY2669-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	87	%	79-118
VY2669-BS	75-34-3	1,1-Dichloroethane	BSP	REC	109	%	77-125
VY2669-BS	107-06-2	1,2-Dichloroethane	BSP	REC	96	%	73-128
VY2669-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	110	%	71-131
VY2669-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	103	%	78-123
VY2669-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	104	%	75-124
VY2669-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	104	%	79-121
VY2669-BS	78-87-5	1,2-Dichloropropane	BSP	REC	94	%	78-122

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VY2669-BS	142-28-9	1,3-Dichloropropane	BSP	REC	86	%	80-119
VY2669-BS	594-20-7	2,2-Dichloropropane	BSP	REC	100	%	60-139
VY2669-BS	563-58-6	1,1-Dichloropropene	BSP	REC	107	%	79-125
VY2669-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	100	%	75-124
VY2669-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	101	%	73-127
VY2669-BS	100-41-4	Ethylbenzene	BSP	REC	94	%	79-121
VY2669-BS	87-68-3	Hexachlorobutadiene	BSP	REC	90	%	66-134
VY2669-BS	591-78-6	2-Hexanone	BSP	REC	109	%	57-139
VY2669-BS	98-82-8	Isopropylbenzene	BSP	REC	98	%	72-131
VY2669-BS	99-87-6	p-Isopropyltoluene	BSP	REC	99	%	77-127
VY2669-BS	74-83-9	Methyl Bromide	BSP	REC	102	%	53-141
VY2669-BS	74-87-3	Methyl Chloride	BSP	REC	107	%	50-139
VY2669-BS	74-95-3	Methylene Bromide	BSP	REC	95	%	79-123
VY2669-BS	75-09-2	Methylene Chloride	BSP	REC	93	%	74-124
VY2669-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	97	%	67-130
VY2669-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	112	%	71-124
VY2669-BS	91-20-3	Naphthalene	BSP	REC	91	%	61-128
VY2669-BS	103-65-1	n-Propylbenzene	BSP	REC	95	%	76-126
VY2669-BS	100-42-5	Styrene	BSP	REC	94	%	78-123
VY2669-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	91	%	78-124
VY2669-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	88	%	71-121
VY2669-BS	127-18-4	Tetrachloroethylene	BSP	REC	97	%	74-129
VY2669-BS	108-88-3	Toluene	BSP	REC	93	%	80-121
VY2669-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	86	%	69-129
VY2669-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	86	%	69-130
VY2669-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	103	%	74-131
VY2669-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	89	%	80-119
VY2669-BS	79-01-6	Trichloroethylene	BSP	REC	106	%	79-123
VY2669-BS	75-69-4	Trichlorofluoromethane	BSP	REC	115	%	65-141
VY2669-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	80	%	73-122
VY2669-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	91	%	76-124
VY2669-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	92	%	75-124
VY2669-BS	108-05-4	Vinyl Acetate	BSP	REC	95	%	54-146
VY2669-BS	75-01-4	Vinyl Chloride	BSP	REC	103	%	58-137
VY2669-BS		m,p-Xylene	BSP	REC	94	%	80-121
VY2669-BS	95-47-6	o-Xylene	BSP	REC	96	%	78-122
VY2669-BS	1330-20-7	Xylene (total)	BSP	REC	95	%	79-121
VY2669-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	103	%	80-119
VY2669-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	99	%	81-118
VY2669-BS	2037-26-5	Toluene-D8	BSP	SURR	97	%	89-112
VY2669-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	98	%	85-114
FA98456-3MS	67-64-1	Acetone	MS	REC	102	%	39-160
FA98456-3MS	71-43-2	Benzene	MS	REC	101	%	79-120
FA98456-3MS	108-86-1	Bromobenzene	MS	REC	81	%	80-120
FA98456-3MS	74-97-5	Bromochloromethane	MS	REC	92	%	78-123

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98456-3MS	75-27-4	Bromodichloromethane	MS	REC	100	%	79-125
FA98456-3MS	75-25-2	Bromoform	MS	REC	77	%	66-130
FA98456-3MS	78-93-3	2-Butanone (MEK)	MS	REC	97	%	56-143
FA98456-3MS	104-51-8	n-Butylbenzene	MS	REC	99	%	75-128
FA98456-3MS	135-98-8	sec-Butylbenzene	MS	REC	110	%	77-126
FA98456-3MS	98-06-6	tert-Butylbenzene	MS	REC	99	%	78-124
FA98456-3MS	75-15-0	Carbon Disulfide	MS	REC	89	%	64-133
FA98456-3MS	56-23-5	Carbon Tetrachloride	MS	REC	99	%	72-136
FA98456-3MS	108-90-7	Chlorobenzene	MS	REC	102	%	82-118
FA98456-3MS	75-00-3	Chloroethane	MS	REC	120	%	60-138
FA98456-3MS	67-66-3	Chloroform	MS	REC	100	%	79-124
FA98456-3MS	95-49-8	o-Chlorotoluene	MS	REC	96	%	79-122
FA98456-3MS	106-43-4	p-Chlorotoluene	MS	REC	96	%	78-122
FA98456-3MS	124-48-1	Dibromochloromethane	MS	REC	81	%	74-126
FA98456-3MS	96-12-8	1,2-Dibromo-3-chloropropane	MS	REC	82	%	62-128
FA98456-3MS	106-93-4	1,2-Dibromoethane	MS	REC	88	%	77-121
FA98456-3MS	75-71-8	Dichlorodifluoromethane	MS	REC	104	%	32-152
FA98456-3MS	95-50-1	1,2-Dichlorobenzene	MS	REC	95	%	80-119
FA98456-3MS	541-73-1	1,3-Dichlorobenzene	MS	REC	90	%	80-119
FA98456-3MS	106-46-7	1,4-Dichlorobenzene	MS	REC	101	%	79-118
FA98456-3MS	75-34-3	1,1-Dichloroethane	MS	REC	110	%	77-125
FA98456-3MS	107-06-2	1,2-Dichloroethane	MS	REC	94	%	73-128
FA98456-3MS	75-35-4	1,1-Dichloroethylene	MS	REC	110	%	71-131
FA98456-3MS	156-59-2	cis-1,2-Dichloroethylene	MS	REC	102	%	78-123
FA98456-3MS	156-60-5	trans-1,2-Dichloroethylene	MS	REC	103	%	75-124
FA98456-3MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	103	%	79-121
FA98456-3MS	78-87-5	1,2-Dichloropropane	MS	REC	97	%	78-122
FA98456-3MS	142-28-9	1,3-Dichloropropane	MS	REC	83	%	80-119
FA98456-3MS	594-20-7	2,2-Dichloropropane	MS	REC	81	%	60-139
FA98456-3MS	563-58-6	1,1-Dichloropropene	MS	REC	107	%	79-125
FA98456-3MS	10061-01-5	cis-1,3-Dichloropropene	MS	REC	91	%	75-124
FA98456-3MS	10061-02-6	trans-1,3-Dichloropropene	MS	REC	92	%	73-127
FA98456-3MS	100-41-4	Ethylbenzene	MS	REC	94	%	79-121
FA98456-3MS	87-68-3	Hexachlorobutadiene	MS	REC	85	%	66-134
FA98456-3MS	591-78-6	2-Hexanone	MS	REC	106	%	57-139
FA98456-3MS	98-82-8	Isopropylbenzene	MS	REC	97	%	72-131
FA98456-3MS	99-87-6	p-Isopropyltoluene	MS	REC	105	%	77-127
FA98456-3MS	74-83-9	Methyl Bromide	MS	REC	112	%	53-141
FA98456-3MS	74-87-3	Methyl Chloride	MS	REC	106	%	50-139
FA98456-3MS	74-95-3	Methylene Bromide	MS	REC	96	%	79-123
FA98456-3MS	75-09-2	Methylene Chloride	MS	REC	90	%	74-124
FA98456-3MS	108-10-1	4-Methyl-2-pentanone (MIBK)	MS	REC	92	%	67-130
FA98456-3MS	1634-04-4	Methyl Tert Butyl Ether	MS	REC	110	%	71-124
FA98456-3MS	91-20-3	Naphthalene	MS	REC	87	%	61-128
FA98456-3MS	103-65-1	n-Propylbenzene	MS	REC	101	%	76-126

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98456-3MS	100-42-5	Styrene	MS	REC	95	%	78-123
FA98456-3MS	630-20-6	1,1,1,2-Tetrachloroethane	MS	REC	87	%	78-124
FA98456-3MS	79-34-5	1,1,2,2-Tetrachloroethane	MS	REC	94	%	71-121
FA98456-3MS	127-18-4	Tetrachloroethylene	MS	REC	84	%	74-129
FA98456-3MS	108-88-3	Toluene	MS	REC	92	%	80-121
FA98456-3MS	87-61-6	1,2,3-Trichlorobenzene	MS	REC	77	%	69-129
FA98456-3MS	120-82-1	1,2,4-Trichlorobenzene	MS	REC	77	%	69-130
FA98456-3MS	71-55-6	1,1,1-Trichloroethane	MS	REC	102	%	74-131
FA98456-3MS	79-00-5	1,1,2-Trichloroethane	MS	REC	91	%	80-119
FA98456-3MS	79-01-6	Trichloroethylene	MS	REC	107	%	79-123
FA98456-3MS	75-69-4	Trichlorofluoromethane	MS	REC	114	%	65-141
FA98456-3MS	96-18-4	1,2,3-Trichloropropane	MS	REC	87	%	73-122
FA98456-3MS	95-63-6	1,2,4-Trimethylbenzene	MS	REC	98	%	76-124
FA98456-3MS	108-67-8	1,3,5-Trimethylbenzene	MS	REC	96	%	75-124
FA98456-3MS	108-05-4	Vinyl Acetate	MS	REC	86	%	54-146
FA98456-3MS	75-01-4	Vinyl Chloride	MS	REC	98	%	58-137
FA98456-3MS		m,p-Xylene	MS	REC	94	%	80-121
FA98456-3MS	95-47-6	o-Xylene	MS	REC	96	%	78-122
FA98456-3MS	1330-20-7	Xylene (total)	MS	REC	95	%	79-121
FA98456-3MS	1868-53-7	Dibromofluoromethane	MS	SURR	102	%	80-119
FA98456-3MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	98	%	81-118
FA98456-3MS	2037-26-5	Toluene-D8	MS	SURR	96	%	89-112
FA98456-3MS	460-00-4	4-Bromofluorobenzene	MS	SURR	94	%	85-114
FA98456-3MSD	67-64-1	Acetone	MSD	REC	105	%	39-160
FA98456-3MSD	67-64-1	Acetone	MSD	RPD	3	%	20
FA98456-3MSD	71-43-2	Benzene	MSD	REC	99	%	79-120
FA98456-3MSD	71-43-2	Benzene	MSD	RPD	2	%	20
FA98456-3MSD	108-86-1	Bromobenzene	MSD	REC	80	%	80-120
FA98456-3MSD	108-86-1	Bromobenzene	MSD	RPD	1	%	20
FA98456-3MSD	74-97-5	Bromochloromethane	MSD	REC	87	%	78-123
FA98456-3MSD	74-97-5	Bromochloromethane	MSD	RPD	5	%	20
FA98456-3MSD	75-27-4	Bromodichloromethane	MSD	REC	101	%	79-125
FA98456-3MSD	75-27-4	Bromodichloromethane	MSD	RPD	0	%	20
FA98456-3MSD	75-25-2	Bromoform	MSD	REC	76	%	66-130
FA98456-3MSD	75-25-2	Bromoform	MSD	RPD	2	%	20
FA98456-3MSD	78-93-3	2-Butanone (MEK)	MSD	REC	102	%	56-143
FA98456-3MSD	78-93-3	2-Butanone (MEK)	MSD	RPD	5	%	20
FA98456-3MSD	104-51-8	n-Butylbenzene	MSD	REC	92	%	75-128
FA98456-3MSD	104-51-8	n-Butylbenzene	MSD	RPD	8	%	20
FA98456-3MSD	135-98-8	sec-Butylbenzene	MSD	REC	103	%	77-126
FA98456-3MSD	135-98-8	sec-Butylbenzene	MSD	RPD	6	%	20
FA98456-3MSD	98-06-6	tert-Butylbenzene	MSD	REC	95	%	78-124
FA98456-3MSD	98-06-6	tert-Butylbenzene	MSD	RPD	4	%	20
FA98456-3MSD	75-15-0	Carbon Disulfide	MSD	REC	88	%	64-133
FA98456-3MSD	75-15-0	Carbon Disulfide	MSD	RPD	1	%	20

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98456-3MSD	56-23-5	Carbon Tetrachloride	MSD	REC	99	%	72-136
FA98456-3MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	0	%	20
FA98456-3MSD	108-90-7	Chlorobenzene	MSD	REC	95	%	82-118
FA98456-3MSD	108-90-7	Chlorobenzene	MSD	RPD	2	%	20
FA98456-3MSD	75-00-3	Chloroethane	MSD	REC	122	%	60-138
FA98456-3MSD	75-00-3	Chloroethane	MSD	RPD	1	%	20
FA98456-3MSD	67-66-3	Chloroform	MSD	REC	97	%	79-124
FA98456-3MSD	67-66-3	Chloroform	MSD	RPD	3	%	20
FA98456-3MSD	95-49-8	o-Chlorotoluene	MSD	REC	92	%	79-122
FA98456-3MSD	95-49-8	o-Chlorotoluene	MSD	RPD	4	%	20
FA98456-3MSD	106-43-4	p-Chlorotoluene	MSD	REC	92	%	78-122
FA98456-3MSD	106-43-4	p-Chlorotoluene	MSD	RPD	4	%	20
FA98456-3MSD	124-48-1	Dibromochloromethane	MSD	REC	81	%	74-126
FA98456-3MSD	124-48-1	Dibromochloromethane	MSD	RPD	0	%	20
FA98456-3MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	REC	82	%	62-128
FA98456-3MSD	96-12-8	1,2-Dibromo-3-chloropropane	MSD	RPD	0	%	20
FA98456-3MSD	106-93-4	1,2-Dibromoethane	MSD	REC	84	%	77-121
FA98456-3MSD	106-93-4	1,2-Dibromoethane	MSD	RPD	4	%	20
FA98456-3MSD	75-71-8	Dichlorodifluoromethane	MSD	REC	102	%	32-152
FA98456-3MSD	75-71-8	Dichlorodifluoromethane	MSD	RPD	2	%	20
FA98456-3MSD	95-50-1	1,2-Dichlorobenzene	MSD	REC	87	%	80-119
FA98456-3MSD	95-50-1	1,2-Dichlorobenzene	MSD	RPD	5	%	20
FA98456-3MSD	541-73-1	1,3-Dichlorobenzene	MSD	REC	85	%	80-119
FA98456-3MSD	541-73-1	1,3-Dichlorobenzene	MSD	RPD	6	%	20
FA98456-3MSD	106-46-7	1,4-Dichlorobenzene	MSD	REC	97	%	79-118
FA98456-3MSD	106-46-7	1,4-Dichlorobenzene	MSD	RPD	4	%	20
FA98456-3MSD	75-34-3	1,1-Dichloroethane	MSD	REC	107	%	77-125
FA98456-3MSD	75-34-3	1,1-Dichloroethane	MSD	RPD	2	%	20
FA98456-3MSD	107-06-2	1,2-Dichloroethane	MSD	REC	95	%	73-128
FA98456-3MSD	107-06-2	1,2-Dichloroethane	MSD	RPD	0	%	20
FA98456-3MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	109	%	71-131
FA98456-3MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	1	%	20
FA98456-3MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	REC	101	%	78-123
FA98456-3MSD	156-59-2	cis-1,2-Dichloroethylene	MSD	RPD	1	%	20
FA98456-3MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	REC	100	%	75-124
FA98456-3MSD	156-60-5	trans-1,2-Dichloroethylene	MSD	RPD	4	%	20
FA98456-3MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	100	%	79-121
FA98456-3MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	2	%	20
FA98456-3MSD	78-87-5	1,2-Dichloropropane	MSD	REC	92	%	78-122
FA98456-3MSD	78-87-5	1,2-Dichloropropane	MSD	RPD	5	%	20
FA98456-3MSD	142-28-9	1,3-Dichloropropane	MSD	REC	80	%	80-119
FA98456-3MSD	142-28-9	1,3-Dichloropropane	MSD	RPD	3	%	20
FA98456-3MSD	594-20-7	2,2-Dichloropropane	MSD	REC	82	%	60-139
FA98456-3MSD	594-20-7	2,2-Dichloropropane	MSD	RPD	1	%	20
FA98456-3MSD	563-58-6	1,1-Dichloropropene	MSD	REC	104	%	79-125

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98456-3MSD	563-58-6	1,1-Dichloropropene	MSD	RPD	3	%	20
FA98456-3MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	REC	90	%	75-124
FA98456-3MSD	10061-01-5	cis-1,3-Dichloropropene	MSD	RPD	2	%	20
FA98456-3MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	REC	88	%	73-127
FA98456-3MSD	10061-02-6	trans-1,3-Dichloropropene	MSD	RPD	4	%	20
FA98456-3MSD	100-41-4	Ethylbenzene	MSD	REC	91	%	79-121
FA98456-3MSD	100-41-4	Ethylbenzene	MSD	RPD	3	%	20
FA98456-3MSD	87-68-3	Hexachlorobutadiene	MSD	REC	84	%	66-134
FA98456-3MSD	87-68-3	Hexachlorobutadiene	MSD	RPD	1	%	20
FA98456-3MSD	591-78-6	2-Hexanone	MSD	REC	108	%	57-139
FA98456-3MSD	591-78-6	2-Hexanone	MSD	RPD	2	%	20
FA98456-3MSD	98-82-8	Isopropylbenzene	MSD	REC	94	%	72-131
FA98456-3MSD	98-82-8	Isopropylbenzene	MSD	RPD	3	%	20
FA98456-3MSD	99-87-6	p-Isopropyltoluene	MSD	REC	99	%	77-127
FA98456-3MSD	99-87-6	p-Isopropyltoluene	MSD	RPD	5	%	20
FA98456-3MSD	74-83-9	Methyl Bromide	MSD	REC	109	%	53-141
FA98456-3MSD	74-83-9	Methyl Bromide	MSD	RPD	3	%	20
FA98456-3MSD	74-87-3	Methyl Chloride	MSD	REC	106	%	50-139
FA98456-3MSD	74-87-3	Methyl Chloride	MSD	RPD	1	%	20
FA98456-3MSD	74-95-3	Methylene Bromide	MSD	REC	92	%	79-123
FA98456-3MSD	74-95-3	Methylene Bromide	MSD	RPD	4	%	20
FA98456-3MSD	75-09-2	Methylene Chloride	MSD	REC	88	%	74-124
FA98456-3MSD	75-09-2	Methylene Chloride	MSD	RPD	2	%	20
FA98456-3MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	REC	92	%	67-130
FA98456-3MSD	108-10-1	4-Methyl-2-pentanone (MIBK)	MSD	RPD	0	%	20
FA98456-3MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	REC	110	%	71-124
FA98456-3MSD	1634-04-4	Methyl Tert Butyl Ether	MSD	RPD	1	%	20
FA98456-3MSD	91-20-3	Naphthalene	MSD	REC	84	%	61-128
FA98456-3MSD	91-20-3	Naphthalene	MSD	RPD	4	%	20
FA98456-3MSD	103-65-1	n-Propylbenzene	MSD	REC	95	%	76-126
FA98456-3MSD	103-65-1	n-Propylbenzene	MSD	RPD	7	%	20
FA98456-3MSD	100-42-5	Styrene	MSD	REC	96	%	78-123
FA98456-3MSD	100-42-5	Styrene	MSD	RPD	2	%	20
FA98456-3MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	REC	86	%	78-124
FA98456-3MSD	630-20-6	1,1,1,2-Tetrachloroethane	MSD	RPD	1	%	20
FA98456-3MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	REC	90	%	71-121
FA98456-3MSD	79-34-5	1,1,2,2-Tetrachloroethane	MSD	RPD	4	%	20
FA98456-3MSD	127-18-4	Tetrachloroethylene	MSD	REC	82	%	74-129
FA98456-3MSD	127-18-4	Tetrachloroethylene	MSD	RPD	2	%	20
FA98456-3MSD	108-88-3	Toluene	MSD	REC	89	%	80-121
FA98456-3MSD	108-88-3	Toluene	MSD	RPD	3	%	20
FA98456-3MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	REC	72	%	69-129
FA98456-3MSD	87-61-6	1,2,3-Trichlorobenzene	MSD	RPD	6	%	20
FA98456-3MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	REC	74	%	69-130
FA98456-3MSD	120-82-1	1,2,4-Trichlorobenzene	MSD	RPD	4	%	20

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA98456-3MSD	71-55-6	1,1,1-Trichloroethane	MSD	REC	103	%	74-131
FA98456-3MSD	71-55-6	1,1,1-Trichloroethane	MSD	RPD	1	%	20
FA98456-3MSD	79-00-5	1,1,2-Trichloroethane	MSD	REC	88	%	80-119
FA98456-3MSD	79-00-5	1,1,2-Trichloroethane	MSD	RPD	3	%	20
FA98456-3MSD	79-01-6	Trichloroethylene	MSD	REC	103	%	79-123
FA98456-3MSD	79-01-6	Trichloroethylene	MSD	RPD	2	%	20
FA98456-3MSD	75-69-4	Trichlorofluoromethane	MSD	REC	111	%	65-141
FA98456-3MSD	75-69-4	Trichlorofluoromethane	MSD	RPD	2	%	20
FA98456-3MSD	96-18-4	1,2,3-Trichloropropane	MSD	REC	84	%	73-122
FA98456-3MSD	96-18-4	1,2,3-Trichloropropane	MSD	RPD	3	%	20
FA98456-3MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	REC	93	%	76-124
FA98456-3MSD	95-63-6	1,2,4-Trimethylbenzene	MSD	RPD	5	%	20
FA98456-3MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	REC	92	%	75-124
FA98456-3MSD	108-67-8	1,3,5-Trimethylbenzene	MSD	RPD	4	%	20
FA98456-3MSD	108-05-4	Vinyl Acetate	MSD	REC	86	%	54-146
FA98456-3MSD	108-05-4	Vinyl Acetate	MSD	RPD	0	%	20
FA98456-3MSD	75-01-4	Vinyl Chloride	MSD	REC	102	%	58-137
FA98456-3MSD	75-01-4	Vinyl Chloride	MSD	RPD	4	%	20
FA98456-3MSD		m,p-Xylene	MSD	REC	91	%	80-121
FA98456-3MSD		m,p-Xylene	MSD	RPD	3	%	20
FA98456-3MSD	95-47-6	o-Xylene	MSD	REC	94	%	78-122
FA98456-3MSD	95-47-6	o-Xylene	MSD	RPD	2	%	20
FA98456-3MSD	1330-20-7	Xylene (total)	MSD	REC	92	%	79-121
FA98456-3MSD	1330-20-7	Xylene (total)	MSD	RPD	3	%	20
FA98456-3MSD	1868-53-7	Dibromofluoromethane	MSD	SURR	99	%	80-119
FA98456-3MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	96	%	81-118
FA98456-3MSD	2037-26-5	Toluene-D8	MSD	SURR	94	%	89-112
FA98456-3MSD	460-00-4	4-Bromofluorobenzene	MSD	SURR	94	%	85-114
VY2669-MB	1868-53-7	Dibromofluoromethane	MB	SURR	95	%	80-119
VY2669-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	101	%	81-118
VY2669-MB	2037-26-5	Toluene-D8	MB	SURR	98	%	89-112
VY2669-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	96	%	85-114
FA98456-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	93	%	80-119
FA98456-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FA98456-1	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FA98456-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	92	%	85-114
FA98456-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	92	%	80-119
FA98456-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA98456-2	2037-26-5	Toluene-D8	SAMP	SURR	101	%	89-112
FA98456-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	92	%	85-114
FA98456-3	1868-53-7	Dibromofluoromethane	SAMP	SURR	94	%	80-119
FA98456-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FA98456-3	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FA98456-3	460-00-4	4-Bromofluorobenzene	SAMP	SURR	94	%	85-114

* Sample used for QC is not from job FA98456

QC Evaluation: DOD QSM5.x Limits

Job Number: FA98456
Account: Bhate Environmental
Project: Griffiss AFB; Rome, NY
Collected: 08/23/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits

(a) Outside control limits due to high level in sample relative to spike amount.

* Sample used for QC is not from job FA98456

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2680-MB	I751020.D	1	08/31/22	KW	n/a	n/a	VI2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-5, FA98456-6, FA98456-7, FA98456-8, FA98456-9, FA98456-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2680-MB	I751020.D	1	08/31/22	KW	n/a	n/a	VI2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-5, FA98456-6, FA98456-7, FA98456-8, FA98456-9, FA98456-10

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2680-MB	I751020.D	1	08/31/22	KW	n/a	n/a	VI2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-5, FA98456-6, FA98456-7, FA98456-8, FA98456-9, FA98456-10

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

Method Blank Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2669-MB	Y64382.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-1, FA98456-2, FA98456-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2669-MB	Y64382.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-1, FA98456-2, FA98456-3

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2669-MB	Y64382.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-1, FA98456-2, FA98456-3

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	96%	83-118%

Method Blank Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2809-MB	O70829.D	1	09/02/22	JL	n/a	n/a	VO2809

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.53	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2809-MB	O70829.D	1	09/02/22	JL	n/a	n/a	VO2809

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-4

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	5.0	2.0	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	2.0	0.47	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

Method Blank Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2809-MB	O70829.D	1	09/02/22	JL	n/a	n/a	VO2809

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

Method Blank Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1P3579-MB	1P92901.D	1	09/13/22	LR	n/a	n/a	V1P3579

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-6

CAS No.	Compound	Result	RL	MDL	Units	Q
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	83-118%
17060-07-0	1,2-Dichloroethane-D4	96%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

Blank Spike Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2680-BS	I751017.D	1	08/31/22	KW	n/a	n/a	VI2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-5, FA98456-6, FA98456-7, FA98456-8, FA98456-9, FA98456-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	124	99	50-147
71-43-2	Benzene	25	25.1	100	81-122
108-86-1	Bromobenzene	25	23.2	93	80-121
74-97-5	Bromochloromethane	25	25.1	100	76-123
75-27-4	Bromodichloromethane	25	24.6	98	79-123
75-25-2	Bromoform	25	25.3	101	66-123
78-93-3	2-Butanone (MEK)	125	124	99	56-143
104-51-8	n-Butylbenzene	25	23.8	95	79-126
135-98-8	sec-Butylbenzene	25	26.3	105	83-133
98-06-6	tert-Butylbenzene	25	24.6	98	80-133
75-15-0	Carbon Disulfide	25	22.2	89	66-148
56-23-5	Carbon Tetrachloride	25	25.6	102	76-136
108-90-7	Chlorobenzene	25	24.9	100	82-124
75-00-3	Chloroethane	25	23.2	93	62-144
67-66-3	Chloroform	25	25.4	102	80-124
95-49-8	o-Chlorotoluene	25	25.1	100	81-127
106-43-4	p-Chlorotoluene	25	24.2	97	83-130
124-48-1	Dibromochloromethane	25	23.9	96	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	22.7	91	64-123
106-93-4	1,2-Dibromoethane	25	24.6	98	75-120
75-71-8	Dichlorodifluoromethane	25	25.2	101	42-167
95-50-1	1,2-Dichlorobenzene	25	24.3	97	82-124
541-73-1	1,3-Dichlorobenzene	25	25.0	100	84-125
106-46-7	1,4-Dichlorobenzene	25	23.9	96	78-120
75-34-3	1,1-Dichloroethane	25	26.3	105	81-122
107-06-2	1,2-Dichloroethane	25	24.2	97	75-125
75-35-4	1,1-Dichloroethylene	25	26.0	104	78-137
156-59-2	cis-1,2-Dichloroethylene	25	25.3	101	78-120
156-60-5	trans-1,2-Dichloroethylene	25	25.6	102	76-127
540-59-0	1,2-Dichloroethene (total)	50	50.8	102	77-122
78-87-5	1,2-Dichloropropane	25	23.5	94	76-124
142-28-9	1,3-Dichloropropane	25	22.5	90	80-118
594-20-7	2,2-Dichloropropane	25	23.7	95	74-139
563-58-6	1,1-Dichloropropene	25	25.2	101	79-131
10061-01-5	cis-1,3-Dichloropropene	25	24.3	97	75-118
10061-02-6	trans-1,3-Dichloropropene	25	27.3	109	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2680-BS	I751017.D	1	08/31/22	KW	n/a	n/a	VI2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-5, FA98456-6, FA98456-7, FA98456-8, FA98456-9, FA98456-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	24.6	98	81-121
87-68-3	Hexachlorobutadiene	25	24.1	96	75-142
591-78-6	2-Hexanone	125	118	94	61-129
98-82-8	Isopropylbenzene	25	25.8	103	83-132
99-87-6	p-Isopropyltoluene	25	26.4	106	79-130
74-83-9	Methyl Bromide	25	24.6	98	59-143
74-87-3	Methyl Chloride	25	25.6	102	50-159
74-95-3	Methylene Bromide	25	23.9	96	78-119
75-09-2	Methylene Chloride	25	20.6	82	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	126	101	66-122
1634-04-4	Methyl Tert Butyl Ether	25	28.4	114	72-117
91-20-3	Naphthalene	25	24.4	98	63-132
103-65-1	n-Propylbenzene	25	25.0	100	82-133
100-42-5	Styrene	25	24.8	99	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	24.9	100	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	23.5	94	72-120
127-18-4	Tetrachloroethylene	25	25.0	100	76-135
108-88-3	Toluene	25	24.6	98	80-120
87-61-6	1,2,3-Trichlorobenzene	25	23.7	95	68-131
120-82-1	1,2,4-Trichlorobenzene	25	24.1	96	73-129
71-55-6	1,1,1-Trichloroethane	25	25.5	102	75-130
79-00-5	1,1,2-Trichloroethane	25	24.6	98	76-119
79-01-6	Trichloroethylene	25	24.8	99	81-126
75-69-4	Trichlorofluoromethane	25	26.6	106	71-156
96-18-4	1,2,3-Trichloropropane	25	21.8	87	77-120
95-63-6	1,2,4-Trimethylbenzene	25	25.0	100	79-120
108-67-8	1,3,5-Trimethylbenzene	25	24.3	97	79-120
108-05-4	Vinyl Acetate	125	117	94	43-154
75-01-4	Vinyl Chloride	25	25.8	103	69-159
	m,p-Xylene	50	49.5	99	79-126
95-47-6	o-Xylene	25	25.4	102	80-127
1330-20-7	Xylene (total)	75	75.0	100	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2680-BS	I751017.D	1	08/31/22	KW	n/a	n/a	VI2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-5, FA98456-6, FA98456-7, FA98456-8, FA98456-9, FA98456-10

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2669-BS	Y64379.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-1, FA98456-2, FA98456-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	135	108	50-147
71-43-2	Benzene	25	25.2	101	81-122
108-86-1	Bromobenzene	25	21.0	84	80-121
74-97-5	Bromochloromethane	25	22.4	90	76-123
75-27-4	Bromodichloromethane	25	25.6	102	79-123
75-25-2	Bromoform	25	22.4	90	66-123
78-93-3	2-Butanone (MEK)	125	129	103	56-143
104-51-8	n-Butylbenzene	25	22.2	89	79-126
135-98-8	sec-Butylbenzene	25	24.8	99	83-133
98-06-6	tert-Butylbenzene	25	23.2	93	80-133
75-15-0	Carbon Disulfide	25	23.1	92	66-148
56-23-5	Carbon Tetrachloride	25	26.5	106	76-136
108-90-7	Chlorobenzene	25	23.0	92	82-124
75-00-3	Chloroethane	25	27.8	111	62-144
67-66-3	Chloroform	25	25.3	101	80-124
95-49-8	o-Chlorotoluene	25	22.2	89	81-127
106-43-4	p-Chlorotoluene	25	22.0	88	83-130
124-48-1	Dibromochloromethane	25	22.0	88	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	20.5	82	64-123
106-93-4	1,2-Dibromoethane	25	22.6	90	75-120
75-71-8	Dichlorodifluoromethane	25	25.8	103	42-167
95-50-1	1,2-Dichlorobenzene	25	22.1	88	82-124
541-73-1	1,3-Dichlorobenzene	25	22.4	90	84-125
106-46-7	1,4-Dichlorobenzene	25	21.7	87	78-120
75-34-3	1,1-Dichloroethane	25	27.2	109	81-122
107-06-2	1,2-Dichloroethane	25	24.0	96	75-125
75-35-4	1,1-Dichloroethylene	25	27.6	110	78-137
156-59-2	cis-1,2-Dichloroethylene	25	25.8	103	78-120
156-60-5	trans-1,2-Dichloroethylene	25	26.0	104	76-127
540-59-0	1,2-Dichloroethene (total)	50	51.9	104	77-122
78-87-5	1,2-Dichloropropane	25	23.4	94	76-124
142-28-9	1,3-Dichloropropane	25	21.5	86	80-118
594-20-7	2,2-Dichloropropane	25	25.0	100	74-139
563-58-6	1,1-Dichloropropene	25	26.8	107	79-131
10061-01-5	cis-1,3-Dichloropropene	25	24.9	100	75-118
10061-02-6	trans-1,3-Dichloropropene	25	25.3	101	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2669-BS	Y64379.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-1, FA98456-2, FA98456-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	23.5	94	81-121
87-68-3	Hexachlorobutadiene	25	22.5	90	75-142
591-78-6	2-Hexanone	125	136	109	61-129
98-82-8	Isopropylbenzene	25	24.4	98	83-132
99-87-6	p-Isopropyltoluene	25	24.7	99	79-130
74-83-9	Methyl Bromide	25	25.5	102	59-143
74-87-3	Methyl Chloride	25	26.8	107	50-159
74-95-3	Methylene Bromide	25	23.7	95	78-119
75-09-2	Methylene Chloride	25	23.2	93	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	121	97	66-122
1634-04-4	Methyl Tert Butyl Ether	25	28.1	112	72-117
91-20-3	Naphthalene	25	22.7	91	63-132
103-65-1	n-Propylbenzene	25	23.8	95	82-133
100-42-5	Styrene	25	23.6	94	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	22.8	91	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	21.9	88	72-120
127-18-4	Tetrachloroethylene	25	24.2	97	76-135
108-88-3	Toluene	25	23.2	93	80-120
87-61-6	1,2,3-Trichlorobenzene	25	21.4	86	68-131
120-82-1	1,2,4-Trichlorobenzene	25	21.4	86	73-129
71-55-6	1,1,1-Trichloroethane	25	25.8	103	75-130
79-00-5	1,1,2-Trichloroethane	25	22.3	89	76-119
79-01-6	Trichloroethylene	25	26.5	106	81-126
75-69-4	Trichlorofluoromethane	25	28.7	115	71-156
96-18-4	1,2,3-Trichloropropane	25	20.1	80	77-120
95-63-6	1,2,4-Trimethylbenzene	25	22.7	91	79-120
108-67-8	1,3,5-Trimethylbenzene	25	23.0	92	79-120
108-05-4	Vinyl Acetate	125	119	95	43-154
75-01-4	Vinyl Chloride	25	25.7	103	69-159
	m,p-Xylene	50	47.1	94	79-126
95-47-6	o-Xylene	25	24.0	96	80-127
1330-20-7	Xylene (total)	75	71.1	95	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2669-BS	Y64379.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-1, FA98456-2, FA98456-3

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2809-BS	O70827.D	1	09/02/22	JL	n/a	n/a	VO2809

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	128	102	50-147
71-43-2	Benzene	25	23.7	95	81-122
108-86-1	Bromobenzene	25	20.9	84	80-121
74-97-5	Bromochloromethane	25	24.0	96	76-123
75-27-4	Bromodichloromethane	25	23.9	96	79-123
75-25-2	Bromoform	25	21.9	88	66-123
78-93-3	2-Butanone (MEK)	125	119	95	56-143
104-51-8	n-Butylbenzene	25	22.0	88	79-126
135-98-8	sec-Butylbenzene	25	25.0	100	83-133
98-06-6	tert-Butylbenzene	25	23.1	92	80-133
75-15-0	Carbon Disulfide	25	19.8	79	66-148
56-23-5	Carbon Tetrachloride	25	25.3	101	76-136
108-90-7	Chlorobenzene	25	22.8	91	82-124
75-00-3	Chloroethane	25	28.4	114	62-144
67-66-3	Chloroform	25	23.6	94	80-124
95-49-8	o-Chlorotoluene	25	22.6	90	81-127
106-43-4	p-Chlorotoluene	25	22.6	90	83-130
124-48-1	Dibromochloromethane	25	21.5	86	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	19.5	78	64-123
106-93-4	1,2-Dibromoethane	25	22.1	88	75-120
75-71-8	Dichlorodifluoromethane	25	33.5	134	42-167
95-50-1	1,2-Dichlorobenzene	25	22.4	90	82-124
541-73-1	1,3-Dichlorobenzene	25	22.7	91	84-125
106-46-7	1,4-Dichlorobenzene	25	23.6	94	78-120
75-34-3	1,1-Dichloroethane	25	25.2	101	81-122
107-06-2	1,2-Dichloroethane	25	22.9	92	75-125
75-35-4	1,1-Dichloroethylene	25	24.8	99	78-137
156-59-2	cis-1,2-Dichloroethylene	25	24.9	100	78-120
156-60-5	trans-1,2-Dichloroethylene	25	23.6	94	76-127
540-59-0	1,2-Dichloroethene (total)	50	48.6	97	77-122
78-87-5	1,2-Dichloropropane	25	23.1	92	76-124
142-28-9	1,3-Dichloropropane	25	20.4	82	80-118
594-20-7	2,2-Dichloropropane	25	22.5	90	74-139
563-58-6	1,1-Dichloropropene	25	24.6	98	79-131
10061-01-5	cis-1,3-Dichloropropene	25	22.8	91	75-118
10061-02-6	trans-1,3-Dichloropropene	25	24.4	98	80-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2809-BS	O70827.D	1	09/02/22	JL	n/a	n/a	VO2809

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	23.1	92	81-121
87-68-3	Hexachlorobutadiene	25	23.5	94	75-142
591-78-6	2-Hexanone	125	114	91	61-129
98-82-8	Isopropylbenzene	25	24.0	96	83-132
99-87-6	p-Isopropyltoluene	25	24.4	98	79-130
74-83-9	Methyl Bromide	25	20.5	82	59-143
74-87-3	Methyl Chloride	25	28.9	116	50-159
74-95-3	Methylene Bromide	25	22.7	91	78-119
75-09-2	Methylene Chloride	25	26.5	106	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	110	88	66-122
1634-04-4	Methyl Tert Butyl Ether	25	26.6	106	72-117
91-20-3	Naphthalene	25	21.8	87	63-132
103-65-1	n-Propylbenzene	25	23.2	93	82-133
100-42-5	Styrene	25	23.0	92	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	22.9	92	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	22.2	89	72-120
127-18-4	Tetrachloroethylene	25	24.3	97	76-135
108-88-3	Toluene	25	22.9	92	80-120
87-61-6	1,2,3-Trichlorobenzene	25	21.3	85	68-131
120-82-1	1,2,4-Trichlorobenzene	25	21.2	85	73-129
71-55-6	1,1,1-Trichloroethane	25	25.0	100	75-130
79-00-5	1,1,2-Trichloroethane	25	22.2	89	76-119
79-01-6	Trichloroethylene	25	25.5	102	81-126
75-69-4	Trichlorofluoromethane	25	27.7	111	71-156
96-18-4	1,2,3-Trichloropropane	25	20.6	82	77-120
95-63-6	1,2,4-Trimethylbenzene	25	23.3	93	79-120
108-67-8	1,3,5-Trimethylbenzene	25	22.6	90	79-120
108-05-4	Vinyl Acetate	125	125	100	43-154
75-01-4	Vinyl Chloride	25	29.2	117	69-159
	m,p-Xylene	50	46.2	92	79-126
95-47-6	o-Xylene	25	23.1	92	80-127
1330-20-7	Xylene (total)	75	69.3	92	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2809-BS	O70827.D	1	09/02/22	JL	n/a	n/a	VO2809

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1P3579-BS	1P92897.D	1	09/13/22	LR	n/a	n/a	V1P3579

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-90-7	Chlorobenzene	25	24.5	98	82-124

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98404-6MS	I751040.D	1	08/31/22	KW	n/a	n/a	VI2680
FA98404-6MSD	I751041.D	1	09/01/22	KW	n/a	n/a	VI2680
FA98404-6	I751022.D	1	08/31/22	KW	n/a	n/a	VI2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-5, FA98456-6, FA98456-7, FA98456-8, FA98456-9, FA98456-10

CAS No.	Compound	FA98404-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	136	109	125	134	107	1	50-147/21
71-43-2	Benzene	1.0 U		25	23.2	93	25	24.7	99	6	81-122/14
108-86-1	Bromobenzene	1.0 U		25	20.7	83	25	22.9	92	10	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	24.5	98	25	25.8	103	5	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	22.8	91	25	24.4	98	7	79-123/19
75-25-2	Bromoform	1.0 U		25	21.6	86	25	23.8	95	10	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	129	103	125	131	105	2	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	19.8	79	25	21.2	85	7	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	23.1	92	25	24.3	97	5	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	21.8	87	25	23.2	93	6	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	20.1	80	25	21.9	88	9	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	23.1	92	25	24.8	99	7	76-136/23
108-90-7	Chlorobenzene	1.0 U		25	22.5	90	25	24.6	98	9	82-124/14
75-00-3	Chloroethane	2.0 U		25	29.0	116	25	30.8	123	6	62-144/20
67-66-3	Chloroform	1.0 U		25	22.3	89	25	25.5	102	13	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	22.7	91	25	24.1	96	6	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	22.0	88	25	23.4	94	6	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	21.1	84	25	23.2	93	9	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	21.4	86	25	23.4	94	9	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	22.8	91	25	24.8	99	8	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	22.7	91	25	22.8	91	0	42-167/19
95-50-1	1,2-Dichlorobenzene	1.0 U		25	22.0	88	25	24.0	96	9	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	22.7	91	25	24.2	97	6	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	21.7	87	25	23.2	93	7	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	24.4	98	25	26.5	106	8	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	23.4	94	25	24.5	98	5	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	23.8	95	25	25.6	102	7	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	23.3	93	25	24.9	100	7	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	23.1	92	25	24.9	100	7	76-127/17
540-59-0	1,2-Dichloroethene (total)	2.0 U		50	46.4	93	50	49.8	100	7	77-122/15
78-87-5	1,2-Dichloropropane	1.0 U		25	22.1	88	25	23.5	94	6	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	21.0	84	25	23.0	92	9	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	17.5	70*	25	18.3	73*	4	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	23.1	92	25	24.5	98	6	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	20.1	80	25	21.8	87	8	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	22.7	91	25	25.0	100	10	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98404-6MS	I751040.D	1	08/31/22	KW	n/a	n/a	VI2680
FA98404-6MSD	I751041.D	1	09/01/22	KW	n/a	n/a	VI2680
FA98404-6	I751022.D	1	08/31/22	KW	n/a	n/a	VI2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-5, FA98456-6, FA98456-7, FA98456-8, FA98456-9, FA98456-10

CAS No.	Compound	FA98404-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	1.0 U		25	22.3	89	25	23.9	96	7	81-121/14
87-68-3	Hexachlorobutadiene	2.0 U		25	20.4	82	25	22.2	89	8	75-142/19
591-78-6	2-Hexanone	10 U		125	121	97	125	123	98	2	61-129/18
98-82-8	Isopropylbenzene	1.1		25	24.0	92	25	25.3	97	5	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	23.3	93	25	24.8	99	6	79-130/16
74-83-9	Methyl Bromide	5.0 U		25	15.3	61	25	14.1	56*	8	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	23.3	93	25	24.7	99	6	50-159/19
74-95-3	Methylene Bromide	2.0 U		25	22.8	91	25	23.5	94	3	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	19.1	76	25	20.8	83	9	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	127	102	125	130	104	2	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	26.6	106	25	28.8	115	8	72-117/14
91-20-3	Naphthalene	1.0	J	25	23.5	90	25	25.6	98	9	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	22.6	90	25	23.9	96	6	82-133/15
100-42-5	Styrene	1.0 U		25	22.0	88	25	24.2	97	10	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	22.1	88	25	24.7	99	11	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	22.9	92	25	25.3	101	10	72-120/14
127-18-4	Tetrachloroethylene	1.0 U		25	21.5	86	25	22.9	92	6	76-135/16
108-88-3	Toluene	1.0 U		25	22.7	91	25	24.3	97	7	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	21.4	86	25	23.0	92	7	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	21.0	84	25	23.1	92	10	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	23.0	92	25	25.0	100	8	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	23.0	92	25	24.9	100	8	76-119/14
79-01-6	Trichloroethylene	1.0 U		25	22.3	89	25	23.9	96	7	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	26.4	106	25	25.8	103	2	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	21.1	84	25	22.6	90	7	77-120/16
95-63-6	1,2,4-Trimethylbenzene	2.2		25	25.4	93	25	27.3	100	7	79-120/18
108-67-8	1,3,5-Trimethylbenzene	0.46	J	25	22.1	87	25	24.1	95	9	79-120/19
108-05-4	Vinyl Acetate	10 U		125	100	80	125	99.5	80	1	43-154/14
75-01-4	Vinyl Chloride	1.0 U		25	23.9	96	25	24.9	100	4	69-159/18
	m,p-Xylene	14.5		50	61.7	94	50	64.2	99	4	79-126/15
95-47-6	o-Xylene	2.9		25	26.1	93	25	27.8	100	6	80-127/14
1330-20-7	Xylene (total)	17.4		75	87.8	94	75	92.0	99	5	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98404-6MS	I751040.D	1	08/31/22	KW	n/a	n/a	VI2680
FA98404-6MSD	I751041.D	1	09/01/22	KW	n/a	n/a	VI2680
FA98404-6	I751022.D	1	08/31/22	KW	n/a	n/a	VI2680

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-5, FA98456-6, FA98456-7, FA98456-8, FA98456-9, FA98456-10

CAS No.	Surrogate Recoveries	MS	MSD	FA98404-6	Limits
1868-53-7	Dibromofluoromethane	101%	101%	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	99%	99%	79-125%
2037-26-5	Toluene-D8	99%	100%	100%	85-112%
460-00-4	4-Bromofluorobenzene	98%	99%	100%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98456-3MS	Y64403.D	1	09/01/22	JL	n/a	n/a	VY2669
FA98456-3MSD	Y64404.D	1	09/01/22	JL	n/a	n/a	VY2669
FA98456-3	Y64398.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-1, FA98456-2, FA98456-3

CAS No.	Compound	FA98456-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	127	102	125	131	105	3	50-147/21
71-43-2	Benzene	0.57	J	25	25.9	101	25	25.4	99	2	81-122/14
108-86-1	Bromobenzene	1.0 U		25	20.2	81	25	19.9	80	1	80-121/14
74-97-5	Bromochloromethane	1.0 U		25	22.9	92	25	21.8	87	5	76-123/14
75-27-4	Bromodichloromethane	1.0 U		25	25.1	100	25	25.2	101	0	79-123/19
75-25-2	Bromoform	1.0 U		25	19.2	77	25	18.9	76	2	66-123/21
78-93-3	2-Butanone (MEK)	5.0 U		125	121	97	125	127	102	5	56-143/18
104-51-8	n-Butylbenzene	1.0 U		25	24.8	99	25	22.9	92	8	79-126/16
135-98-8	sec-Butylbenzene	1.0 U		25	27.4	110	25	25.7	103	6	83-133/16
98-06-6	tert-Butylbenzene	1.0 U		25	24.8	99	25	23.8	95	4	80-133/16
75-15-0	Carbon Disulfide	2.0 U		25	22.3	89	25	22.0	88	1	66-148/23
56-23-5	Carbon Tetrachloride	1.0 U		25	24.7	99	25	24.8	99	0	76-136/23
108-90-7	Chlorobenzene	52.8		25	78.4	102	25	76.5	95	2	82-124/14
75-00-3	Chloroethane	2.0 U		25	30.1	120	25	30.5	122	1	62-144/20
67-66-3	Chloroform	1.0 U		25	24.9	100	25	24.2	97	3	80-124/15
95-49-8	o-Chlorotoluene	1.0 U		25	23.9	96	25	22.9	92	4	81-127/15
106-43-4	p-Chlorotoluene	1.0 U		25	23.9	96	25	22.9	92	4	83-130/15
124-48-1	Dibromochloromethane	1.0 U		25	20.2	81	25	20.2	81	0	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U		25	20.6	82	25	20.6	82	0	64-123/18
106-93-4	1,2-Dibromoethane	2.0 U		25	21.9	88	25	21.1	84	4	75-120/13
75-71-8	Dichlorodifluoromethane	2.0 U		25	25.9	104	25	25.5	102	2	42-167/19
95-50-1	1,2-Dichlorobenzene	19.6		25	43.4	95	25	41.3	87	5	82-124/14
541-73-1	1,3-Dichlorobenzene	1.0 U		25	22.6	90	25	21.3	85	6	84-125/14
106-46-7	1,4-Dichlorobenzene	1.0 U		25	25.3	101	25	24.2	97	4	78-120/15
75-34-3	1,1-Dichloroethane	1.0 U		25	27.4	110	25	26.8	107	2	81-122/15
107-06-2	1,2-Dichloroethane	1.0 U		25	23.6	94	25	23.7	95	0	75-125/14
75-35-4	1,1-Dichloroethylene	1.0 U		25	27.6	110	25	27.2	109	1	78-137/18
156-59-2	cis-1,2-Dichloroethylene	1.3		25	26.9	102	25	26.6	101	1	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	25.8	103	25	24.9	100	4	76-127/17
540-59-0	1,2-Dichloroethene (total)	1.3	J	50	52.8	103	50	51.5	100	2	77-122/15
78-87-5	1,2-Dichloropropane	1.0 U		25	24.2	97	25	23.1	92	5	76-124/14
142-28-9	1,3-Dichloropropane	1.0 U		25	20.7	83	25	20.1	80	3	80-118/13
594-20-7	2,2-Dichloropropane	1.0 U		25	20.2	81	25	20.4	82	1	74-139/17
563-58-6	1,1-Dichloropropene	1.0 U		25	26.8	107	25	26.1	104	3	79-131/16
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	22.8	91	25	22.4	90	2	75-118/23
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	23.0	92	25	22.1	88	4	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98456-3MS	Y64403.D	1	09/01/22	JL	n/a	n/a	VY2669
FA98456-3MSD	Y64404.D	1	09/01/22	JL	n/a	n/a	VY2669
FA98456-3	Y64398.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-1, FA98456-2, FA98456-3

CAS No.	Compound	FA98456-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	1.0 U		25	23.4	94	25	22.7	91	3	81-121/14
87-68-3	Hexachlorobutadiene	2.0 U		25	21.3	85	25	21.0	84	1	75-142/19
591-78-6	2-Hexanone	10 U		125	132	106	125	135	108	2	61-129/18
98-82-8	Isopropylbenzene	1.0 U		25	24.2	97	25	23.5	94	3	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	26.2	105	25	24.8	99	5	79-130/16
74-83-9	Methyl Bromide	5.0 U		25	28.0	112	25	27.2	109	3	59-143/19
74-87-3	Methyl Chloride	2.0 U		25	26.4	106	25	26.6	106	1	50-159/19
74-95-3	Methylene Bromide	2.0 U		25	24.0	96	25	23.1	92	4	78-119/14
75-09-2	Methylene Chloride	5.0 U		25	22.5	90	25	22.1	88	2	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0 U		125	115	92	125	115	92	0	66-122/16
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	27.4	110	25	27.6	110	1	72-117/14
91-20-3	Naphthalene	5.0 U		25	21.7	87	25	20.9	84	4	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	25.3	101	25	23.7	95	7	82-133/15
100-42-5	Styrene	1.0 U		25	23.7	95	25	24.1	96	2	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	21.8	87	25	21.6	86	1	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	23.4	94	25	22.4	90	4	72-120/14
127-18-4	Tetrachloroethylene	0.85	J	25	21.8	84	25	21.3	82	2	76-135/16
108-88-3	Toluene	1.0 U		25	23.0	92	25	22.3	89	3	80-120/14
87-61-6	1,2,3-Trichlorobenzene	2.0 U		25	19.3	77	25	18.1	72	6	68-131/25
120-82-1	1,2,4-Trichlorobenzene	2.0 U		25	19.3	77	25	18.5	74	4	73-129/20
71-55-6	1,1,1-Trichloroethane	1.0 U		25	25.6	102	25	25.8	103	1	75-130/16
79-00-5	1,1,2-Trichloroethane	1.0 U		25	22.7	91	25	22.0	88	3	76-119/14
79-01-6	Trichloroethylene	10		25	36.7	107	25	35.8	103	2	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	28.5	114	25	27.8	111	2	71-156/21
96-18-4	1,2,3-Trichloropropane	2.0 U		25	21.7	87	25	21.1	84	3	77-120/16
95-63-6	1,2,4-Trimethylbenzene	1.0 U		25	24.5	98	25	23.3	93	5	79-120/18
108-67-8	1,3,5-Trimethylbenzene	1.0 U		25	24.1	96	25	23.1	92	4	79-120/19
108-05-4	Vinyl Acetate	10 U		125	107	86	125	107	86	0	43-154/14
75-01-4	Vinyl Chloride	0.44	J	25	25.0	98	25	25.9	102	4	69-159/18
	m,p-Xylene	2.0 U		50	46.9	94	50	45.5	91	3	79-126/15
95-47-6	o-Xylene	1.0 U		25	24.1	96	25	23.6	94	2	80-127/14
1330-20-7	Xylene (total)	3.0 U		75	71.0	95	75	69.1	92	3	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98456-3MS	Y64403.D	1	09/01/22	JL	n/a	n/a	VY2669
FA98456-3MSD	Y64404.D	1	09/01/22	JL	n/a	n/a	VY2669
FA98456-3	Y64398.D	1	09/01/22	JL	n/a	n/a	VY2669

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-1, FA98456-2, FA98456-3

CAS No.	Surrogate Recoveries	MS	MSD	FA98456-3	Limits
1868-53-7	Dibromofluoromethane	102%	99%	94%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	96%	103%	79-125%
2037-26-5	Toluene-D8	96%	94%	100%	85-112%
460-00-4	4-Bromofluorobenzene	94%	94%	94%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98394-2MS	O70848.D	10	09/02/22	JL	n/a	n/a	VO2809
FA98394-2MSD	O70849.D	10	09/02/22	JL	n/a	n/a	VO2809
FA98394-2	O70845.D	10	09/02/22	JL	n/a	n/a	VO2809

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-4

CAS No.	Compound	FA98394-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	250	U	1250	1930	154*	1250	1960	157*	2	50-147/21
71-43-2	Benzene	10	U	250	235	94	250	250	100	6	81-122/14
108-86-1	Bromobenzene	10	U	250	203	81	250	216	86	6	80-121/14
74-97-5	Bromochloromethane	10	U	250	239	96	250	244	98	2	76-123/14
75-27-4	Bromodichloromethane	10	U	250	232	93	250	239	96	3	79-123/19
75-25-2	Bromoform	10	U	250	203	81	250	211	84	4	66-123/21
78-93-3	2-Butanone (MEK)	50	U	1250	1170	94	1250	1190	95	2	56-143/18
104-51-8	n-Butylbenzene	10	U	250	194	78*	250	217	87	11	79-126/16
135-98-8	sec-Butylbenzene	10	U	250	225	90	250	255	102	13	83-133/16
98-06-6	tert-Butylbenzene	10	U	250	207	83	250	236	94	13	80-133/16
75-15-0	Carbon Disulfide	20	U	250	185	74	250	207	83	11	66-148/23
56-23-5	Carbon Tetrachloride	10	U	250	230	92	250	261	104	13	76-136/23
108-90-7	Chlorobenzene	10	U	250	222	89	250	237	95	7	82-124/14
75-00-3	Chloroethane	20	U	250	276	110	250	286	114	4	62-144/20
67-66-3	Chloroform	10	U	250	236	94	250	248	99	5	80-124/15
95-49-8	o-Chlorotoluene	10	U	250	209	84	250	230	92	10	81-127/15
106-43-4	p-Chlorotoluene	10	U	250	209	84	250	230	92	10	83-130/15
124-48-1	Dibromochloromethane	10	U	250	202	81	250	212	85	5	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	50	U	250	176	70	250	184	74	4	64-123/18
106-93-4	1,2-Dibromoethane	20	U	250	207	83	250	212	85	2	75-120/13
75-71-8	Dichlorodifluoromethane	20	U	250	231	92	250	258	103	11	42-167/19
95-50-1	1,2-Dichlorobenzene	10	U	250	213	85	250	228	91	7	82-124/14
541-73-1	1,3-Dichlorobenzene	10	U	250	215	86	250	233	93	8	84-125/14
106-46-7	1,4-Dichlorobenzene	10	U	250	222	89	250	242	97	9	78-120/15
75-34-3	1,1-Dichloroethane	10	U	250	255	102	250	266	106	4	81-122/15
107-06-2	1,2-Dichloroethane	10	U	250	230	92	250	237	95	3	75-125/14
75-35-4	1,1-Dichloroethylene	10	U	250	236	94	250	253	101	7	78-137/18
156-59-2	cis-1,2-Dichloroethylene	269		250	249	-8*	250	261	-3*	5	78-120/15
156-60-5	trans-1,2-Dichloroethylene	10	U	250	230	92	250	251	100	9	76-127/17
540-59-0	1,2-Dichloroethene (total)	269		500	478	42*	500	511	48*	7	77-122/15
78-87-5	1,2-Dichloropropane	10	U	250	231	92	250	237	95	3	76-124/14
142-28-9	1,3-Dichloropropane	10	U	250	200	80	250	206	82	3	80-118/13
594-20-7	2,2-Dichloropropane	10	U	250	181	72*	250	199	80	9	74-139/17
563-58-6	1,1-Dichloropropene	10	U	250	229	92	250	257	103	12	79-131/16
10061-01-5	cis-1,3-Dichloropropene	10	U	250	217	87	250	227	91	5	75-118/23
10061-02-6	trans-1,3-Dichloropropene	10	U	250	218	87	250	234	94	7	80-120/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98394-2MS	O70848.D	10	09/02/22	JL	n/a	n/a	VO2809
FA98394-2MSD	O70849.D	10	09/02/22	JL	n/a	n/a	VO2809
FA98394-2	O70845.D	10	09/02/22	JL	n/a	n/a	VO2809

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-4

CAS No.	Compound	FA98394-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	10 U		250	216	86	250	236	94	9	81-121/14
87-68-3	Hexachlorobutadiene	20 U		250	219	88	250	238	95	8	75-142/19
591-78-6	2-Hexanone	100 U		1250	1180	94	1250	1200	96	2	61-129/18
98-82-8	Isopropylbenzene	10 U		250	220	88	250	249	100	12	83-132/15
99-87-6	p-Isopropyltoluene	10 U		250	222	89	250	249	100	11	79-130/16
74-83-9	Methyl Bromide	50 U		250	157	63	250	186	74	17	59-143/19
74-87-3	Methyl Chloride	20 U		250	249	100	250	256	102	3	50-159/19
74-95-3	Methylene Bromide	20 U		250	226	90	250	229	92	1	78-119/14
75-09-2	Methylene Chloride	38.6	J	250	270	93	250	264	90	2	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	50 U		1250	1140	91	1250	1160	93	2	66-122/16
1634-04-4	Methyl Tert Butyl Ether	10 U		250	255	102	250	266	106	4	72-117/14
91-20-3	Naphthalene	50 U		250	208	83	250	225	90	8	63-132/25
103-65-1	n-Propylbenzene	10 U		250	211	84	250	238	95	12	82-133/15
100-42-5	Styrene	10 U		250	220	88	250	241	96	9	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	10 U		250	222	89	250	234	94	5	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	10 U		250	211	84	250	220	88	4	72-120/14
127-18-4	Tetrachloroethylene	36.7		250	233	79	250	253	87	8	76-135/16
108-88-3	Toluene	10 U		250	218	87	250	234	94	7	80-120/14
87-61-6	1,2,3-Trichlorobenzene	20 U		250	203	81	250	220	88	8	68-131/25
120-82-1	1,2,4-Trichlorobenzene	20 U		250	203	81	250	221	88	8	73-129/20
71-55-6	1,1,1-Trichloroethane	10 U		250	241	96	250	267	107	10	75-130/16
79-00-5	1,1,2-Trichloroethane	10 U		250	224	90	250	230	92	3	76-119/14
79-01-6	Trichloroethylene	848		250	252	-238* [a]	250	270	-231* [a]	7	81-126/15
75-69-4	Trichlorofluoromethane	20 U		250	255	102	250	276	110	8	71-156/21
96-18-4	1,2,3-Trichloropropane	20 U		250	197	79	250	210	84	6	77-120/16
95-63-6	1,2,4-Trimethylbenzene	10 U		250	215	86	250	239	96	11	79-120/18
108-67-8	1,3,5-Trimethylbenzene	10 U		250	207	83	250	232	93	11	79-120/19
108-05-4	Vinyl Acetate	100 U		1250	1250	100	1250	1270	102	2	43-154/14
75-01-4	Vinyl Chloride	10 U		250	259	104	250	269	108	4	69-159/18
	m,p-Xylene	20 U		500	434	87	500	475	95	9	79-126/15
95-47-6	o-Xylene	10 U		250	215	86	250	239	96	11	80-127/14
1330-20-7	Xylene (total)	30 U		750	649	87	750	714	95	10	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98394-2MS	O70848.D	10	09/02/22	JL	n/a	n/a	VO2809
FA98394-2MSD	O70849.D	10	09/02/22	JL	n/a	n/a	VO2809
FA98394-2	O70845.D	10	09/02/22	JL	n/a	n/a	VO2809

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-4

CAS No.	Surrogate Recoveries	MS	MSD	FA98394-2	Limits
1868-53-7	Dibromofluoromethane	99%	98%	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	95%	100%	79-125%
2037-26-5	Toluene-D8	96%	97%	98%	85-112%
460-00-4	4-Bromofluorobenzene	97%	96%	99%	83-118%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA98710-12MS	1P92935.D	10	09/13/22	LR	n/a	n/a	V1P3579
FA98710-12MSD	1P92937.D	10	09/13/22	LR	n/a	n/a	V1P3579
FA98710-12	1P92915.D	10	09/13/22	LR	n/a	n/a	V1P3579

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA98456-6

CAS No.	Compound	FA98710-12 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-90-7	Chlorobenzene	< 10		250	243	97	250	246	98	1	82-124/14

CAS No.	Surrogate Recoveries	MS	MSD	FA98710-12	Limits
1868-53-7	Dibromofluoromethane	100%	98%	92%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	97%	97%	79-125%
2037-26-5	Toluene-D8	97%	98%	99%	85-112%
460-00-4	4-Bromofluorobenzene	98%	96%	98%	83-118%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3565-BFB
Lab File ID: 1P92262.D
Instrument ID: GCMS1P
Injection Date: 08/24/22
Injection Time: 09:33

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	70069	19.0		Pass
75	30.0 - 60.0% of mass 95	187413	50.8		Pass
95	Base peak, 100% relative abundance	369130	100.0		Pass
96	5.0 - 9.0% of mass 95	25837	7.00		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 100.0% of mass 95	260714	70.6		Pass
175	5.0 - 9.0% of mass 174	19810	5.37	(7.60) [a]	Pass
176	95.0 - 101.0% of mass 174	247765	67.1	(95.0) [a]	Pass
177	5.0 - 9.0% of mass 176	16293	4.41	(6.58) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1P3565-IC3565	1P92262.D	08/24/22	09:34	00:01	Initial cal 1
V1P3565-IC3565	1P92264.D	08/24/22	10:06	00:33	Initial cal 2
V1P3565-IC3565	1P92266.D	08/24/22	10:38	01:05	Initial cal 3
V1P3565-IC3565	1P92268.D	08/24/22	11:10	01:37	Initial cal 4
V1P3565-ICC3565	1P92270.D	08/24/22	11:42	02:09	Initial cal 5
V1P3565-IC3565	1P92272.D	08/24/22	12:15	02:42	Initial cal 6
V1P3565-IC3565	1P92274.D	08/24/22	12:47	03:14	Initial cal 7
V1P3565-CC3565	1P92278A.D	08/24/22	13:52	04:19	Continuing cal 5
V1P3565-ICV3565	1P92278.D	08/24/22	13:52	04:19	Initial cal verification 5
V1P3565-BS	1P92280A.D	08/24/22	14:24	04:51	Blank Spike
V1P3565-ICV3565	1P92280.D	08/24/22	14:24	04:51	Initial cal verification 4
V1P3565-MB	1P92284.D	08/24/22	15:28	05:55	Method Blank
ZZZZZZ	1P92286.D	08/24/22	16:00	06:27	(unrelated sample)
ZZZZZZ	1P92288.D	08/24/22	16:32	06:59	(unrelated sample)
ZZZZZZ	1P92290.D	08/24/22	17:05	07:32	(unrelated sample)
ZZZZZZ	1P92292.D	08/24/22	17:37	08:04	(unrelated sample)
ZZZZZZ	1P92294.D	08/24/22	18:08	08:35	(unrelated sample)
ZZZZZZ	1P92296.D	08/24/22	18:40	09:07	(unrelated sample)
ZZZZZZ	1P92298.D	08/24/22	19:12	09:39	(unrelated sample)
ZZZZZZ	1P92300.D	08/24/22	19:44	10:11	(unrelated sample)
ZZZZZZ	1P92302.D	08/24/22	20:15	10:42	(unrelated sample)
FA98225-15	1P92304.D	08/24/22	20:47	11:14	(used for QC only; not part of job FA98456)
FA98225-15MS	1P92306.D	08/24/22	21:19	11:46	Matrix Spike
FA98225-15MSD	1P92308.D	08/24/22	21:51	12:18	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample:	V1P3565-BFB	**Injection Date:**	08/24/22
Lab File ID:	1P92262.D	**Injection Time:**	09:33
Instrument ID:	GCMS1P		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1P3565-ECC3565	1P92310.D	08/24/22	22:22	12:49	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3579-BFB
Lab File ID: 1P92895.D
Instrument ID: GCMS1P
Injection Date: 09/13/22
Injection Time: 11:04

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	62429	16.7		Pass
75	30.0 - 60.0% of mass 95	175837	47.2		Pass
95	Base peak, 100% relative abundance	372843	100.0		Pass
96	5.0 - 9.0% of mass 95	24443	6.56		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 100.0% of mass 95	273579	73.4		Pass
175	5.0 - 9.0% of mass 174	21461	5.76	(7.84) [a]	Pass
176	95.0 - 101.0% of mass 174	271787	72.9	(99.3) [a]	Pass
177	5.0 - 9.0% of mass 176	18180	4.88	(6.69) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1P3579-CC3565	1P92895.D	09/13/22	11:04	00:00	Continuing cal 5
V1P3579-BS	1P92897.D	09/13/22	11:36	00:32	Blank Spike
V1P3579-MB	1P92901.D	09/13/22	12:40	01:36	Method Blank
FA98456-6	1P92903.D	09/13/22	13:12	02:08	AOC9-SW2PM-0822
ZZZZZZ	1P92909.D	09/13/22	14:49	03:45	(unrelated sample)
ZZZZZZ	1P92911.D	09/13/22	15:21	04:17	(unrelated sample)
ZZZZZZ	1P92913.D	09/13/22	15:54	04:50	(unrelated sample)
FA98710-12	1P92915.D	09/13/22	16:26	05:22	(used for QC only; not part of job FA98456)
ZZZZZZ	1P92917.D	09/13/22	16:59	05:55	(unrelated sample)
ZZZZZZ	1P92919.D	09/13/22	17:32	06:28	(unrelated sample)
ZZZZZZ	1P92927.D	09/13/22	19:42	08:38	(unrelated sample)
ZZZZZZ	1P92929.D	09/13/22	20:15	09:11	(unrelated sample)
FA98710-12MS	1P92935.D	09/13/22	21:52	10:48	Matrix Spike
FA98710-12MSD	1P92937.D	09/13/22	22:24	11:20	Matrix Spike Duplicate
V1P3579-ECC3565	1P92939.D	09/13/22	22:57	11:53	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2679-BFB
Lab File ID: I750990.D
Instrument ID: GCMSI
Injection Date: 08/30/22
Injection Time: 11:20

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	36749	23.5		Pass
75	30.0 - 60.0% of mass 95	80635	51.5		Pass
95	Base peak, 100% relative abundance	156499	100.0		Pass
96	5.0 - 9.0% of mass 95	10301	6.58		Pass
173	Less than 2.0% of mass 174	1192	0.76	(0.86) [a]	Pass
174	50.0 - 100.0% of mass 95	138824	88.7		Pass
175	5.0 - 9.0% of mass 174	10292	6.58	(7.41) [a]	Pass
176	95.0 - 101.0% of mass 174	132088	84.4	(95.1) [a]	Pass
177	5.0 - 9.0% of mass 176	8489	5.42	(6.43) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI2679-IC2679	I750991.D	08/30/22	11:44	00:24	Initial cal 2
VI2679-IC2679	I750992.D	08/30/22	12:08	00:48	Initial cal 3
VI2679-IC2679	I750993.D	08/30/22	12:32	01:12	Initial cal 4
VI2679-ICC2679	I750994.D	08/30/22	12:56	01:36	Initial cal 5
VI2679-IC2679	I750995.D	08/30/22	13:20	02:00	Initial cal 6
VI2679-IC2679	I750996.D	08/30/22	13:44	02:24	Initial cal 7
VI2679-CC2679	I750998A.D	08/30/22	14:33	03:13	Continuing cal 5
VI2679-ICV2679	I750998.D	08/30/22	14:33	03:13	Initial cal verification 5
VI2679-BS	I750999A.D	08/30/22	14:56	03:36	Blank Spike
VI2679-ICV2679	I750999.D	08/30/22	14:56	03:36	Initial cal verification 4
VI2679-MB	I751001.D	08/30/22	16:19	04:59	Method Blank
ZZZZZZ	I751002.D	08/30/22	16:42	05:22	(unrelated sample)
ZZZZZZ	I751003.D	08/30/22	17:06	05:46	(unrelated sample)
ZZZZZZ	I751004.D	08/30/22	17:30	06:10	(unrelated sample)
ZZZZZZ	I751005.D	08/30/22	17:54	06:34	(unrelated sample)
ZZZZZZ	I751006.D	08/30/22	18:18	06:58	(unrelated sample)
FA98391-7	I751007.D	08/30/22	18:42	07:22	(used for QC only; not part of job FA98456)
ZZZZZZ	I751008.D	08/30/22	19:06	07:46	(unrelated sample)
ZZZZZZ	I751009.D	08/30/22	19:30	08:10	(unrelated sample)
ZZZZZZ	I751010.D	08/30/22	19:54	08:34	(unrelated sample)
ZZZZZZ	I751011.D	08/30/22	20:17	08:57	(unrelated sample)
FA98391-7MS	I751012.D	08/30/22	20:41	09:21	Matrix Spike
FA98391-7MSD	I751013.D	08/30/22	21:05	09:45	Matrix Spike Duplicate
VI2679-ECC2679	I751014.D	08/30/22	21:29	10:09	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2680-BFB
Lab File ID: I751015.D
Instrument ID: GCMSI
Injection Date: 08/31/22
Injection Time: 13:16

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	40061	24.8		Pass
75	30.0 - 60.0% of mass 95	84760	52.4		Pass
95	Base peak, 100% relative abundance	161837	100.0		Pass
96	5.0 - 9.0% of mass 95	11287	6.97		Pass
173	Less than 2.0% of mass 174	1344	0.83	(1.01) [a]	Pass
174	50.0 - 100.0% of mass 95	133173	82.3		Pass
175	5.0 - 9.0% of mass 174	10050	6.21	(7.55) [a]	Pass
176	95.0 - 101.0% of mass 174	130400	80.6	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	8536	5.27	(6.55) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI2680-CC2679	I751016.D	08/31/22	13:40	00:24	Continuing cal 5
VI2680-BS	I751017.D	08/31/22	14:04	00:48	Blank Spike
VI2680-MB	I751020.D	08/31/22	15:15	01:59	Method Blank
ZZZZZZ	I751021.D	08/31/22	16:13	02:57	(unrelated sample)
FA98404-6	I751022.D	08/31/22	16:37	03:21	(used for QC only; not part of job FA98456)
ZZZZZZ	I751025.D	08/31/22	17:50	04:34	(unrelated sample)
ZZZZZZ	I750927.D	08/31/22	18:38	05:22	(unrelated sample)
ZZZZZZ	I751029.D	08/31/22	19:26	06:10	(unrelated sample)
ZZZZZZ	I751030.D	08/31/22	19:50	06:34	(unrelated sample)
ZZZZZZ	I751031.D	08/31/22	20:14	06:58	(unrelated sample)
ZZZZZZ	I751032.D	08/31/22	20:38	07:22	(unrelated sample)
FA98456-4	I751033.D	08/31/22	21:02	07:46	AOC9-MW18-0822
FA98456-5	I751034.D	08/31/22	21:25	08:09	AOC9-MW19-0822
FA98456-6	I751035.D	08/31/22	21:49	08:33	AOC9-SW2PM-0822
FA98456-7	I751036.D	08/31/22	22:13	08:57	AOC9-SW3PM-0822
FA98456-8	I751037.D	08/31/22	22:37	09:21	AOC9-TB01-0822-C
FA98456-9	I751038.D	08/31/22	23:01	09:45	AOC9-MW19-0822-A
FA98456-10	I751039.D	08/31/22	23:24	10:08	AOC9-MW07-0822
FA98404-6MS	I751040.D	08/31/22	23:48	10:32	Matrix Spike
FA98404-6MSD	I751041.D	09/01/22	00:12	10:56	Matrix Spike Duplicate
VI2680-ECC2679	I751042.D	09/01/22	00:36	11:20	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-BFB
Lab File ID: O70541.D
Instrument ID: GCMSO
Injection Date: 08/23/22
Injection Time: 11:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	69296	19.8		Pass
75	30.0 - 60.0% of mass 95	173760	49.6		Pass
95	Base peak, 100% relative abundance	350208	100.0		Pass
96	5.0 - 9.0% of mass 95	23064	6.59		Pass
173	Less than 2.0% of mass 174	1598	0.46	(0.50) [a]	Pass
174	50.0 - 100.0% of mass 95	321301	91.7		Pass
175	5.0 - 9.0% of mass 174	22811	6.51	(7.10) [a]	Pass
176	95.0 - 101.0% of mass 174	310997	88.8	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	20228	5.78	(6.50) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2796-IC2796	O70542.D	08/23/22	12:41	01:35	Initial cal 1
VO2796-IC2796	O70543.D	08/23/22	13:05	01:59	Initial cal 2
VO2796-IC2796	O70544.D	08/23/22	13:30	02:24	Initial cal 3
VO2796-IC2796	O70545.D	08/23/22	13:55	02:49	Initial cal 4
VO2796-ICC2796	O70546.D	08/23/22	15:09	04:03	Initial cal 5
VO2796-IC2796	O70547.D	08/23/22	15:34	04:28	Initial cal 6
VO2796-IC2796	O70548.D	08/23/22	15:59	04:53	Initial cal 7
VO2796-ICV2796	O70550.D	08/23/22	16:49	05:43	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2809-BFB
Lab File ID: O70826.D
Instrument ID: GCMSO
Injection Date: 09/02/22
Injection Time: 12:21

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	69416	20.3		Pass
75	30.0 - 60.0% of mass 95	171605	50.2		Pass
95	Base peak, 100% relative abundance	342144	100.0		Pass
96	5.0 - 9.0% of mass 95	23869	6.98		Pass
173	Less than 2.0% of mass 174	1997	0.58	(0.63) [a]	Pass
174	50.0 - 100.0% of mass 95	316352	92.5		Pass
175	5.0 - 9.0% of mass 174	22315	6.52	(7.05) [a]	Pass
176	95.0 - 101.0% of mass 174	305259	89.2	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	19675	5.75	(6.45) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2809-CC2796	O70826.D	09/02/22	12:22	00:01	Continuing cal 5
VO2810-BS	O70827.D	09/02/22	12:47	00:26	Blank Spike
VO2809-BS	O70827.D	09/02/22	12:47	00:26	Blank Spike
VO2810-MB	O70829.D	09/02/22	13:37	01:16	Method Blank
VO2809-MB	O70829.D	09/02/22	13:37	01:16	Method Blank
ZZZZZZ	O70830.D	09/02/22	14:02	01:41	(unrelated sample)
ZZZZZZ	O70831.D	09/02/22	14:27	02:06	(unrelated sample)
ZZZZZZ	O70832.D	09/02/22	14:52	02:31	(unrelated sample)
ZZZZZZ	O70833.D	09/02/22	15:17	02:56	(unrelated sample)
ZZZZZZ	O70834.D	09/02/22	15:42	03:21	(unrelated sample)
ZZZZZZ	O70835.D	09/02/22	16:07	03:46	(unrelated sample)
ZZZZZZ	O70836.D	09/02/22	16:32	04:11	(unrelated sample)
ZZZZZZ	O70837.D	09/02/22	16:56	04:35	(unrelated sample)
ZZZZZZ	O70838.D	09/02/22	17:21	05:00	(unrelated sample)
ZZZZZZ	O70839.D	09/02/22	17:46	05:25	(unrelated sample)
ZZZZZZ	O70840.D	09/02/22	18:11	05:50	(unrelated sample)
ZZZZZZ	O70841.D	09/02/22	18:36	06:15	(unrelated sample)
ZZZZZZ	O70842.D	09/02/22	19:01	06:40	(unrelated sample)
FA98611-1	O70843.D	09/02/22	19:26	07:05	(used for QC only; not part of job FA98456)
FA98456-4	O70844.D	09/02/22	19:51	07:30	AOC9-MW18-0822
FA98394-2	O70845.D	09/02/22	20:16	07:55	(used for QC only; not part of job FA98456)
ZZZZZZ	O70846.D	09/02/22	20:40	08:19	(unrelated sample)
ZZZZZZ	O70847.D	09/02/22	21:05	08:44	(unrelated sample)
FA98394-2MS	O70848.D	09/02/22	21:30	09:09	Matrix Spike

Instrument Performance Check (BFB)

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample:	VO2809-BFB	**Injection Date:**	09/02/22
Lab File ID:	O70826.D	**Injection Time:**	12:21
Instrument ID:	GCMSO		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
FA98394-2MSD	O70849.D	09/02/22	21:55	09:34	Matrix Spike Duplicate
FA98611-1MS	O70850.D	09/02/22	22:19	09:58	Matrix Spike
FA98611-1MSD	O70851.D	09/02/22	22:44	10:23	Matrix Spike Duplicate
VO2809-ECC2796	O70852.D	09/02/22	23:09	10:48	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-BFB
Lab File ID: Y64310.D
Instrument ID: GCMSY
Injection Date: 08/29/22
Injection Time: 12:11

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	32288	18.6		Pass
75	30.0 - 60.0% of mass 95	83378	48.0		Pass
95	Base peak, 100% relative abundance	173525	100.0		Pass
96	5.0 - 9.0% of mass 95	11168	6.44		Pass
173	Less than 2.0% of mass 174	482	0.28	(0.36) [a]	Pass
174	50.0 - 100.0% of mass 95	133221	76.8		Pass
175	5.0 - 9.0% of mass 174	9708	5.59	(7.29) [a]	Pass
176	95.0 - 101.0% of mass 174	130461	75.2	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	7943	4.58	(6.09) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY2666-IC2666	Y64311.D	08/29/22	13:05	00:54	Initial cal 1
VY2666-IC2666	Y64312.D	08/29/22	13:29	01:18	Initial cal 2
VY2666-IC2666	Y64313.D	08/29/22	13:54	01:43	Initial cal 3
VY2666-IC2666	Y64314.D	08/29/22	14:19	02:08	Initial cal 4
VY2666-ICC2666	Y64315.D	08/29/22	14:44	02:33	Initial cal 5
VY2666-IC2666	Y64316.D	08/29/22	15:09	02:58	Initial cal 6
VY2666-IC2666	Y64317.D	08/29/22	15:33	03:22	Initial cal 7

Instrument Performance Check (BFB)

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2667-BFB
Lab File ID: Y64321.D
Instrument ID: GCMSY
Injection Date: 08/30/22
Injection Time: 10:47

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	25536	18.4		Pass
75	30.0 - 60.0% of mass 95	67536	48.6		Pass
95	Base peak, 100% relative abundance	138954	100.0		Pass
96	5.0 - 9.0% of mass 95	9434	6.79		Pass
173	Less than 2.0% of mass 174	622	0.45	(0.58) [a]	Pass
174	50.0 - 100.0% of mass 95	106418	76.6		Pass
175	5.0 - 9.0% of mass 174	7583	5.46	(7.13) [a]	Pass
176	95.0 - 101.0% of mass 174	101480	73.0	(95.4) [a]	Pass
177	5.0 - 9.0% of mass 176	6567	4.73	(6.47) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY2667-CC2666	Y64322.D	08/30/22	11:12	00:25	Continuing cal 5
VY2666-ICV2666	Y64323.D	08/30/22	11:36	00:49	Initial cal verification 5
VY2667-BS	Y64324A.D	08/30/22	12:01	01:14	Blank Spike
VY2666-ICV2666	Y64324.D	08/30/22	12:01	01:14	Initial cal verification 4
VY2667-MB	Y64327.D	08/30/22	13:15	02:28	Method Blank
ZZZZZZ	Y64328.D	08/30/22	13:39	02:52	(unrelated sample)
ZZZZZZ	Y64329.D	08/30/22	14:04	03:17	(unrelated sample)
ZZZZZZ	Y64330.D	08/30/22	14:29	03:42	(unrelated sample)
ZZZZZZ	Y64331.D	08/30/22	14:54	04:07	(unrelated sample)
ZZZZZZ	Y64332.D	08/30/22	15:21	04:34	(unrelated sample)
ZZZZZZ	Y64333.D	08/30/22	15:46	04:59	(unrelated sample)
ZZZZZZ	Y64334.D	08/30/22	16:11	05:24	(unrelated sample)
ZZZZZZ	Y64335.D	08/30/22	16:36	05:49	(unrelated sample)
ZZZZZZ	Y64336.D	08/30/22	17:02	06:15	(unrelated sample)
ZZZZZZ	Y64337.D	08/30/22	17:28	06:41	(unrelated sample)
ZZZZZZ	Y64338.D	08/30/22	17:53	07:06	(unrelated sample)
ZZZZZZ	Y64339.D	08/30/22	18:19	07:32	(unrelated sample)
ZZZZZZ	Y64340.D	08/30/22	18:44	07:57	(unrelated sample)
ZZZZZZ	Y64341.D	08/30/22	19:09	08:22	(unrelated sample)
ZZZZZZ	Y64342.D	08/30/22	19:34	08:47	(unrelated sample)
FA98360-2	Y64344.D	08/30/22	20:24	09:37	(used for QC only; not part of job FA98456)
FA98360-2MS	Y64345.D	08/30/22	20:49	10:02	Matrix Spike
FA98360-2MSD	Y64346.D	08/30/22	21:14	10:27	Matrix Spike Duplicate
VY2667-ECC2666	Y64347.D	08/30/22	21:39	10:52	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2669-BFB
Lab File ID: Y64378.D
Instrument ID: GCMSY
Injection Date: 09/01/22
Injection Time: 11:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	41117	18.7		Pass
75	30.0 - 60.0% of mass 95	104888	47.8		Pass
95	Base peak, 100% relative abundance	219520	100.0		Pass
96	5.0 - 9.0% of mass 95	14524	6.62		Pass
173	Less than 2.0% of mass 174	1081	0.49	(0.63) [a]	Pass
174	50.0 - 100.0% of mass 95	172138	78.4		Pass
175	5.0 - 9.0% of mass 174	12220	5.57	(7.10) [a]	Pass
176	95.0 - 101.0% of mass 174	166464	75.8	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	11242	5.12	(6.75) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY2669-CC2666	Y64378.D	09/01/22	11:07	00:01	Continuing cal 5
VY2669-BS	Y64379.D	09/01/22	11:32	00:26	Blank Spike
VY2669-MB	Y64382.D	09/01/22	12:46	01:40	Method Blank
ZZZZZZ	Y64383.D	09/01/22	13:11	02:05	(unrelated sample)
ZZZZZZ	Y64384.D	09/01/22	13:37	02:31	(unrelated sample)
ZZZZZZ	Y64385.D	09/01/22	14:02	02:56	(unrelated sample)
ZZZZZZ	Y64386.D	09/01/22	14:27	03:21	(unrelated sample)
ZZZZZZ	Y64387.D	09/01/22	14:52	03:46	(unrelated sample)
ZZZZZZ	Y64388.D	09/01/22	15:17	04:11	(unrelated sample)
ZZZZZZ	Y64389.D	09/01/22	15:43	04:37	(unrelated sample)
ZZZZZZ	Y64390.D	09/01/22	16:08	05:02	(unrelated sample)
ZZZZZZ	Y64391.D	09/01/22	16:33	05:27	(unrelated sample)
FA98455-4	Y64392.D	09/01/22	16:58	05:52	(used for QC only; not part of job FA98456)
ZZZZZZ	Y64393.D	09/01/22	17:23	06:17	(unrelated sample)
ZZZZZZ	Y64394.D	09/01/22	17:48	06:42	(unrelated sample)
ZZZZZZ	Y64395.D	09/01/22	18:13	07:07	(unrelated sample)
FA98456-1	Y64396.D	09/01/22	18:38	07:32	AOC9-MW14-0822
FA98456-2	Y64397.D	09/01/22	19:02	07:56	AOC9-MW15-0822
FA98456-3	Y64398.D	09/01/22	19:27	08:21	AOC9-MW17-0822
ZZZZZZ	Y64399.D	09/01/22	19:51	08:45	(unrelated sample)
ZZZZZZ	Y64400.D	09/01/22	20:16	09:10	(unrelated sample)
FA98455-4MS	Y64401.D	09/01/22	20:40	09:34	Matrix Spike
FA98455-4MSD	Y64402.D	09/01/22	21:05	09:59	Matrix Spike Duplicate
FA98456-3MS	Y64403.D	09/01/22	21:29	10:23	Matrix Spike

Instrument Performance Check (BFB)

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample:	VY2669-BFB	**Injection Date:**	09/01/22
Lab File ID:	Y64378.D	**Injection Time:**	11:06
Instrument ID:	GCMSY		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
FA98456-3MSD	Y64404.D	09/01/22	21:53	10:47	Matrix Spike Duplicate
VY2669-ECC2666	Y64405.D	09/01/22	22:18	11:12	Ending cal 5

Internal Standard Area Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	V1P3579-CC3565	**Injection Date:**	09/13/22
Lab File ID:	1P92895.D	**Injection Time:**	11:04
Instrument ID:	GCMS1P	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	1544001	3.72	1049603	5.65	459514	7.33
Check Std [b]	1462688	3.72	1028002	5.64	462546	7.33
Upper Limit [c]	2925376	3.89	2056004	5.81	925092	7.50
Lower Limit [d]	731344	3.55	514001	5.47	231273	7.16

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V1P3579-BS	1526383	3.72	1058260	5.64	479668	7.33
V1P3579-MB	1409024	3.72	956254	5.64	418679	7.33
FA98456-6 [e]	1384522	3.72	947791	5.64	417626	7.33
ZZZZZZ	1331753	3.72	908644	5.64	394660	7.33
ZZZZZZ	1386097	3.72	935076	5.64	407029	7.33
ZZZZZZ	1337277	3.72	907831	5.64	405483	7.33
FA98710-12	1359706	3.72	919827	5.64	406847	7.33
ZZZZZZ	1339362	3.72	909153	5.64	414974	7.33
ZZZZZZ	1359614	3.72	935182	5.64	427284	7.33
ZZZZZZ	1406531	3.72	945201	5.64	437729	7.34
ZZZZZZ	1449566	3.72	983528	5.64	435400	7.33
FA98710-12MS	1459240	3.72	1028531	5.65	465145	7.33
FA98710-12MSD	1497027	3.72	1048478	5.64	467940	7.33
V1P3579-ECC3565	1523086	3.72	1076620	5.64	489487	7.33

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: V1P3565-ICC3565 1P92270.D 08/24/22 11:42
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) Sample re-analyzed beyond hold time.

Internal Standard Area Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	VI2680-CC2679	**Injection Date:**	08/31/22
Lab File ID:	I751016.D	**Injection Time:**	13:40
Instrument ID:	GCMSI	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	899146	8.34	651396	11.51	337524	13.88
Check Std [b]	896033	8.34	655405	11.51	340895	13.88
Upper Limit [c]	1792066	8.51	1310810	11.68	681790	14.05
Lower Limit [d]	448017	8.17	327703	11.34	170448	13.71

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VI2680-BS	905519	8.34	654706	11.51	334604	13.88
VI2680-MB	869518	8.34	641952	11.52	314522	13.88
ZZZZZZ	820946	8.34	597621	11.51	284602	13.88
FA98404-6	847916	8.34	620499	11.51	303451	13.88
ZZZZZZ	828953	8.34	613314	11.51	292782	13.88
ZZZZZZ	826356	8.34	611137	11.52	298406	13.88
ZZZZZZ	800549	8.34	595829	11.52	288555	13.88
ZZZZZZ	786176	8.34	578820	11.51	276085	13.88
ZZZZZZ	801852	8.34	594452	11.52	284947	13.88
ZZZZZZ	806858	8.34	588007	11.51	282559	13.88
FA98456-4 [e]	808698	8.34	597037	11.51	290289	13.88
FA98456-5	815888	8.34	608524	11.51	284028	13.88
FA98456-6	806093	8.34	588116	11.52	283297	13.88
FA98456-7	796065	8.34	588393	11.52	285322	13.88
FA98456-8	800547	8.34	593612	11.52	286779	13.88
FA98456-9	798942	8.34	597243	11.51	285185	13.88
FA98456-10	806272	8.34	600543	11.51	289159	13.88
FA98404-6MS	836210	8.34	610488	11.51	312148	13.88
FA98404-6MSD	862898	8.34	625250	11.51	316273	13.88
VI2680-ECC2679	888098	8.34	640897	11.51	328849	13.88

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: VI2679-ICC2679 I750994.D 08/30/22 12:56
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) Confirmation run.

Internal Standard Area Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	VO2809-CC2796	**Injection Date:**	09/02/22
Lab File ID:	O70826.D	**Injection Time:**	12:22
Instrument ID:	GCMSO	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	1693712	8.84	1341945	11.99	687478	14.35
Check Std [b]	1506735	8.84	1281032	11.99	678437	14.35
Upper Limit [c]	3013470	9.01	2562064	12.16	1356874	14.52
Lower Limit [d]	753368	8.67	640516	11.82	339219	14.18

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VO2810-BS	1480345	8.84	1223052	11.99	643207	14.35
VO2809-BS	1480345	8.84	1223052	11.99	643207	14.35
VO2810-MB	1436445	8.84	1173842	11.99	596616	14.35
FA98611-1	1257715	8.84	1022930	11.99	526297	14.35
VO2809-ECC27961	1471019	8.84	1240766	11.99	653354	14.35

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: VO2796-ICC2796 O70546.D 08/23/22 15:09
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	VY2669-CC2666	**Injection Date:**	09/01/22
Lab File ID:	Y64378.D	**Injection Time:**	11:07
Instrument ID:	GCMSY	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	767973	9.50	617075	12.15	336296	13.77
Check Std [b]	714010	9.50	628205	12.15	338699	13.77
Upper Limit [c]	1428020	9.67	1256410	12.32	677398	13.94
Lower Limit [d]	357005	9.33	314103	11.98	169350	13.60

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VY2669-BS	727144	9.50	629425	12.15	338850	13.77
VY2669-MB	646981	9.50	553096	12.15	273700	13.77
ZZZZZZ	629552	9.50	543680	12.15	261082	13.77
ZZZZZZ	627185	9.50	534463	12.15	254522	13.77
ZZZZZZ	612196	9.50	521124	12.15	251861	13.77
ZZZZZZ	598301	9.50	505799	12.15	242622	13.77
ZZZZZZ	575418	9.50	493333	12.15	235765	13.77
ZZZZZZ	584930	9.50	515270	12.15	251162	13.77
ZZZZZZ	588895	9.50	523381	12.15	255326	13.77
ZZZZZZ	600002	9.50	508096	12.15	242121	13.77
ZZZZZZ	590579	9.50	493306	12.15	237588	13.77
FA98455-4	565993	9.50	482850	12.15	224717	13.77
ZZZZZZ	551645	9.50	468515	12.15	218543	13.77
ZZZZZZ	544703	9.50	466071	12.15	213835	13.77
ZZZZZZ	555181	9.50	462124	12.15	218856	13.77
FA98456-1	558970	9.50	465463	12.15	219814	13.77
FA98456-2	541372	9.50	452691	12.15	215230	13.77
FA98456-3	550512	9.50	470131	12.15	213322	13.77
ZZZZZZ	540210	9.50	445626	12.15	207289	13.77
ZZZZZZ	534482	9.50	449068	12.15	209138	13.77
FA98455-4MS	601576	9.50	526156	12.15	265462	13.77
FA98455-4MSD	612634	9.50	541657	12.15	271309	13.77
FA98456-3MS	639326	9.50	559975	12.15	283134	13.77
FA98456-3MSD	654965	9.50	582298	12.15	300304	13.77
VY2669-ECC2666	674131	9.50	592913	12.15	321706	13.77

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: VY2666-ICC2666 Y64315.D 08/29/22 14:44
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.

Internal Standard Area Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Check Std:	VY2669-CC2666	**Injection Date:**	09/01/22
Lab File ID:	Y64378.D	**Injection Time:**	11:07
Instrument ID:	GCMSY	**Method:**	SW846 8260D

Lab	IS 1		IS 2		IS 3	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
FA98456-1	Y64396.D	93	103	100	92
FA98456-2	Y64397.D	92	102	101	92
FA98456-3	Y64398.D	94	103	100	94
FA98456-4	O70844.D	95	98	98	100
FA98456-4	I751033.D	100	103	100	101
FA98456-5	I751034.D	99	101	98	102
FA98456-6	1P92903.D	95	99	100	99
FA98456-6	I751035.D	99	100	100	100
FA98456-7	I751036.D	99	101	99	99
FA98456-8	I751037.D	100	101	99	100
FA98456-9	I751038.D	99	102	99	100
FA98456-10	I751039.D	99	101	99	99
FA98394-2MS	O70848.D	99	97	96	97
FA98394-2MSD	O70849.D	98	95	97	96
FA98404-6MS	I751040.D	101	102	99	98
FA98404-6MSD	I751041.D	101	99	100	99
FA98456-3MS	Y64403.D	102	98	96	94
FA98456-3MSD	Y64404.D	99	96	94	94
FA98710-12MS	1P92935.D	100	98	97	98
FA98710-12MSD	1P92937.D	98	97	98	96
V1P3579-BS	1P92897.D	100	99	98	97
V1P3579-MB	1P92901.D	94	96	100	100
VI2680-BS	I751017.D	99	99	101	98
VI2680-MB	I751020.D	99	101	99	99
VO2809-BS	O70827.D	98	98	96	98
VO2809-MB	O70829.D	96	101	97	100
VY2669-BS	Y64379.D	103	99	97	98
VY2669-MB	Y64382.D	95	101	98	96

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Initial Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3565-ICC3565
Lab FileID: 1P92270.D

Response Factor Report MSVOA13

Method : C:\msdchem\1\MET...V1P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

Calibration Files
1 =1P92262.D 2 =1P92264.D 3 =1P92266.D 4 =1P92268.D
5 =1P92270.D 6 =1P92272.D 7 =1P92274.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	----------ISTD----------								
2) Dichlorodifluorom	0.121	0.114	0.132	0.113	0.131	0.115	0.111	0.119	7.34
---- Linear regr., Force(0,0) ---- Coefficient = 0.9950									
Response Ratio = 0.00000 + 0.11402 *A									
3)P Chloromethane	0.144	0.126	0.161	0.142	0.142	0.126	0.128	0.138	9.23
4) 1,3-butadiene	0.134	0.142	0.138	0.148	0.158	0.146	0.135	0.143	5.90
5)C Vinyl Chloride	0.171	0.172	0.202	0.182	0.189	0.162	0.159	0.177	8.71
6) Bromomethane	0.121	0.091	0.107	0.095	0.089	0.075	0.070	0.093	19.13
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9980									
Response Ratio = 0.00000 + 0.10230 *A + -0.01692 *A^2									
7) Chloroethane	0.091	0.081	0.080	0.060	0.053	0.047	0.043	0.065	29.24
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9925									
Response Ratio = 0.00000 + 0.06888 *A + -0.01390 *A^2									
8) Trichlorofluorome	0.189	0.216	0.248	0.213	0.215	0.144	0.076	0.186	31.24
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9946									
Response Ratio = 0.00000 + 0.27277 *A + -0.09598 *A^2									
9) Ethyl Ether	0.168	0.164	0.209	0.195	0.199	0.187	0.178	0.186	8.95
10) Ethanol	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.004	10.73
11) 1,2-Dichlorotrifl	0.159	0.162	0.180	0.175	0.185	0.170	0.175	0.172	5.55
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9991									
Response Ratio = 0.00000 + 0.17799 *A + -0.00231 *A^2									
12)C 1,1-Dichloroethen	0.202	0.227	0.257	0.258	0.270	0.245	0.256	0.245	9.56
13) Freon 113	0.125	0.138	0.152	0.153	0.170	0.160	0.169	0.152	10.67
14) Carbon Disulfide	0.331	0.314	0.385	0.419	0.443	0.420	0.451	0.395	13.68
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9983									
Response Ratio = 0.00000 + 0.39417 *A + 0.02756 *A^2									
15) Iodomethane	0.080	0.053	0.070	0.080	0.090	0.087	0.089	0.078	16.48
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9966									
Response Ratio = 0.00000 + 0.07738 *A + 0.00633 *A^2									
16) Acrolein	0.055	0.056	0.068	0.062	0.062	0.060	0.061	0.061	6.91
17) Allyl chloride	0.139	0.157	0.173	0.190	0.204	0.184	0.180	0.175	12.31
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9980									
Response Ratio = 0.00000 + 0.19177 *A + -0.00490 *A^2									
18) Methylene Chlorid	0.716	0.305	0.283	0.233	0.224	0.203	0.195	0.308	59.72
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9954									
Response Ratio = 0.00000 + 0.26960 *A + -0.04074 *A^2									
19) Acetone	0.162	0.105	0.122	0.113	0.110	0.101	0.099	0.116	18.86

Initial Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: V1P3565-ICC3565
Lab FileID: 1P92270.D

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            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9989
              Response Ratio = 0.00000 + 0.11780 *A + -0.00203 *A^2

20)  Methyl acetate    0.222 0.216 0.276 0.255 0.249 0.228 0.236 0.240   8.75
21)  trans-1,2-Dichlor 0.212 0.227 0.275 0.271 0.274 0.252 0.262 0.253   9.74
22)  Hexane            0.112 0.118 0.125 0.126 0.144 0.139 0.149 0.130  10.41
23)  Methyl Tert Butyl 0.479 0.511 0.645 0.608 0.610 0.578 0.595 0.575  10.26
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9989
              Response Ratio = 0.00000 + 0.60178 *A + -0.00564 *A^2

24)  Tert Butyl Alcoho 0.057 0.055 0.072 0.068 0.066 0.060 0.060 0.063  10.15
25)  Acetonitrile      0.035 0.034 0.037 0.035 0.033             0.035   3.67
26)  Di-isopropyl ethe 0.446 0.474 0.591 0.561 0.565 0.519 0.540 0.528   9.86
27)  Chloroprene       0.807 0.639 0.778 0.721 0.732 0.684 0.674 0.719   8.23
28)P 1,1-Dichloroethan 0.279 0.297 0.358 0.350 0.353 0.324 0.335 0.328   9.16
29)  Acrylonitrile     0.130 0.101 0.121 0.113 0.113 0.106 0.105 0.113   8.93
30)  ETBE              0.490 0.536 0.709 0.665 0.673 0.631 0.651 0.622  12.75
31)  Vinyl acetate     0.417 0.359 0.455 0.436 0.455 0.432 0.431 0.426   7.67
32)  cis-1,2-Dichloroe 0.176 0.185 0.221 0.207 0.206 0.186 0.197 0.197   7.85
33)  2,2-Dichloropropa 0.186 0.202 0.254 0.270 0.282 0.266 0.288 0.250  15.96
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
              Response Ratio = 0.00000 + 0.25274 *A + 0.01670 *A^2

34)  Bromochloromethan 0.073 0.084 0.103 0.093 0.090 0.080 0.079 0.086  11.57
35)  Cyclohexane       0.245 0.268 0.295 0.301 0.336 0.318 0.339 0.300  11.52
36)C Chloroform        0.275 0.297 0.367 0.351 0.357 0.329 0.341 0.331  10.17
37)  Ethyl acetate     0.342 0.277 0.344 0.323 0.327 0.308 0.302 0.318   7.53
38)  Tetrahydrofuran   0.139 0.116 0.140 0.128 0.121 0.115 0.115 0.125   8.83
39)S Dibromofluorometh 0.206 0.209 0.213 0.214 0.215 0.217 0.218 0.213   2.05
40)  Carbon Tetrachlor 0.144 0.167 0.209 0.210 0.222 0.219 0.231 0.200  16.01
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9992
              Response Ratio = 0.00000 + 0.20086 *A + 0.01503 *A^2

41)  1,1,1-Trichloroet 0.226 0.244 0.296 0.295 0.311 0.286 0.301 0.280  11.39
42)  2-Butanone        0.309 0.190 0.214 0.193 0.190 0.174 0.171 0.206  23.25
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
              Response Ratio = 0.00000 + 0.20478 *A + -0.00368 *A^2

43)  1,1-Dichloroprope 0.213 0.227 0.263 0.260 0.266 0.246 0.258 0.248   8.12
44)  tert-Butyl format 0.103 0.104 0.139 0.142 0.153 0.158 0.168 0.138  18.54
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9991
              Response Ratio = 0.00000 + 0.13287 *A + 0.00359 *A^2

45)  Propionitrile     0.056 0.057 0.062 0.062 0.062 0.055 0.054 0.058   6.04
46)  Methacrylonitrile 0.149 0.155 0.176 0.181 0.186 0.166 0.156 0.167   8.55
47)  Benzene           0.707 0.717 0.847 0.817 0.830 0.773 0.811 0.786   7.05
48)  TAME              0.453 0.494 0.630 0.604 0.610 0.578 0.594 0.566  11.74
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9989
              Response Ratio = 0.00000 + 0.59506 *A + -0.00218 *A^2

49)S 1,2-Dichloroethan 0.293 0.294 0.301 0.299 0.303 0.299 0.299 0.298   1.20
50)  Isobutyl alcohol  0.025 0.027 0.033 0.033 0.034 0.030 0.029 0.030  11.23
51)  1,2-Dichloroethan 0.268 0.253 0.320 0.292 0.295 0.275 0.279 0.283   7.56
52)  Tert Amyl Alcohol 0.042 0.044 0.058 0.056 0.056 0.051 0.052 0.051  12.40
53)  Trichloroethene   0.170 0.180 0.210 0.207 0.209 0.193 0.201 0.196   7.99
54)  Methylcyclohexane 0.225 0.247 0.273 0.266 0.308 0.295 0.316 0.276  12.00
55)  Dibromomethane    0.094 0.094 0.124 0.116 0.117 0.110 0.114 0.110  10.62
56)C 1,2-Dichloropropa 0.168 0.169 0.214 0.205 0.203 0.187 0.195 0.191   9.31
57)  Bromodichlorometh 0.153 0.155 0.210 0.219 0.227 0.219 0.230 0.202  16.60
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9985
```

Initial Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: V1P3565-ICC3565
Lab FileID: 1P92270.D

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              Response Ratio = 0.00000 + 0.20677 *A + 0.01162 *A^2

58)  Methyl methacryla 0.166 0.175 0.208 0.227 0.234 0.218 0.218 0.207  12.70
59)  1,4-Dioxane       0.005 0.005 0.006 0.005 0.005 0.005 0.005 0.005  10.66
60)  2-Chloroethyl vin 0.130 0.142 0.176 0.167 0.170 0.165 0.168 0.160  10.53
61)  cis-1,3-Dichlorop 0.181 0.192 0.271 0.282 0.292 0.278 0.291 0.255  18.62
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
              Response Ratio = 0.00000 + 0.26665 *A + 0.01221 *A^2


62) I   Chlorobenzene-d5      ----------------ISTD--------------------
63)S Toluene-d8        1.416 1.411 1.411 1.391 1.411 1.395 1.396 1.404   0.71
64)C Toluene           1.168 1.126 1.350 1.293 1.298 1.196 1.238 1.238   6.46
65)  2-Nitropropane    0.055 0.052 0.085 0.100 0.112 0.112 0.118 0.091  30.33
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9966
              Response Ratio = 0.00000 + 0.09030 *A + 0.00300 *A^2

66)  4-Methyl-2-pentan 0.526 0.425 0.514 0.476 0.482 0.445 0.437 0.472   8.17
67)  trans-1,3-Dichlor 0.233 0.263 0.367 0.376 0.387 0.372 0.389 0.341  18.98
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9985
              Response Ratio = 0.00000 + 0.37871 *A

68)  Tetrachloroethene 0.233 0.247 0.282 0.276 0.278 0.257 0.269 0.263   6.95
69)  Ethyl methacrylat 0.293 0.359 0.429 0.467 0.492 0.452 0.447 0.420  16.55
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9982
              Response Ratio = 0.00000 + 0.46174 *A + -0.00534 *A^2

70)  1,1,2-Trichloroet 0.177 0.188 0.240 0.220 0.221 0.205 0.209 0.209  10.20
71)  Dibromochlorometh 0.122 0.157 0.221 0.229 0.242 0.235 0.247 0.208  23.19
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
              Response Ratio = 0.00000 + 0.21573 *A + 0.01588 *A^2

72)  1,3-Dichloropropa 0.436 0.425 0.520 0.492 0.488 0.452 0.462 0.468   7.21
73)  1,2-Dibromoethane 0.209 0.225 0.289 0.273 0.276 0.255 0.262 0.256  11.32
74)  3,3-dimethyl-1-bu 0.061 0.074 0.099 0.095 0.097 0.093 0.090 0.087  16.28
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
              Response Ratio = 0.00000 + 0.09602 *A + -0.00006 *A^2

75)  2-hexanone        0.523 0.454 0.571 0.522 0.523 0.475 0.443 0.502   9.05
76)  1-Chlorohexane    0.412 0.369 0.401 0.389 0.431 0.381 0.420 0.400   5.53
77)C Ethylbenzene      1.245 1.226 1.459 1.391 1.372 1.292 1.329 1.331   6.26
78)P Chlorobenzene     0.688 0.659 0.816 0.760 0.757 0.699 0.727 0.729   7.24
79)  1,1,1,2-Tetrachlo 0.160 0.182 0.245 0.240 0.246 0.236 0.245 0.222  16.05
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
              Response Ratio = 0.00000 + 0.23243 *A + 0.00594 *A^2

80)  m,p-Xylene        0.936 0.948 1.140 1.101 1.112 1.032 1.070 1.048   7.68
81)  o-Xylene          0.913 0.921 1.156 1.080 1.092 1.017 1.052 1.033   8.69
82)  Styrene           0.585 0.663 0.849 0.852 0.856 0.797 0.828 0.776  13.89
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9986
              Response Ratio = 0.00000 + 0.82430 *A + -0.00116 *A^2

83)P Bromoform         0.061 0.074 0.106 0.114 0.126 0.130 0.140 0.107  27.47
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9986
              Response Ratio = 0.00000 + 0.10385 *A + 0.01849 *A^2

84)  Isopropylbenzene  1.000 1.056 1.277 1.246 1.262 1.177 1.221 1.177   9.18

85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
86)S 4-Bromofluorobenz 0.815 0.799 0.814 0.781 0.788 0.792 0.786 0.797   1.69
```

Initial Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3565-ICC3565
Lab FileID: 1P92270.D

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 87)  cis-1,4-Dichloro- 0.184 0.248 0.282 0.313 0.330 0.315 0.322 0.285  18.50
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
               Response Ratio = 0.00000 + 0.30076 *A + 0.01176 *A^2

 88)  n-Propylbenzene   2.875 2.865 3.484 3.365 3.406 3.200 3.307 3.215   7.82
 89)  Bromobenzene      0.625 0.603 0.741 0.692 0.671 0.617 0.645 0.656   7.41
 90)P 1,1,2,2-Tetrachlo 0.717 0.773 0.972 0.929 0.912 0.844 0.853 0.857  10.44
 91)  1,3,5-Trimethylbe 1.843 1.972 2.456 2.356 2.382 2.201 2.315 2.218  10.30
 92)  2-Chlorotoluene   1.698 1.698 2.139 2.054 2.037 1.868 1.946 1.920   9.06
 93)  trans-1,4-Dichlor 0.264 0.284 0.388 0.375 0.390 0.368 0.379 0.350  15.12
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9985
               Response Ratio = 0.00000 + 0.36908 *A + 0.00452 *A^2

 94)  1,2,3-Trichloropr 0.288 0.291 0.366 0.340 0.332 0.303 0.312 0.319   8.95
 95)  Cyclohexanone     0.060 0.053 0.066 0.063 0.064 0.057 0.057 0.060   7.48
 96)  4-Chlorotoluene   1.742 1.853 2.243 2.123 2.108 1.952 2.025 2.007   8.55
 97)  tert-Butylbenzene 1.057 1.088 1.322 1.285 1.330 1.231 1.283 1.228   9.07
 98)  a-Methyl styrene                                                0.000  -1.00
 99)  1,2,4-Trimethylbe 1.770 1.869 2.388 2.301 2.306 2.136 2.233 2.143  11.01
100)  Pentachloroethane 0.159 0.206 0.254 0.302 0.319 0.299 0.307 0.264  22.98
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9974
               Response Ratio = 0.00000 + 0.28313 *A + 0.01330 *A^2

101)  sec-Butylbenzene  1.845 2.105 2.577 2.499 2.570 2.392 2.538 2.361  11.89
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
               Response Ratio = 0.00000 + 2.44437 *A + 0.03224 *A^2

102)  4-Isopropyltoluen 1.559 1.784 2.274 2.224 2.278 2.118 2.231 2.067  13.67
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9985
               Response Ratio = 0.00000 + 2.16596 *A + 0.02210 *A^2

103)  1,3-Dichlorobenze 1.056 1.025 1.281 1.219 1.206 1.108 1.145 1.149   8.06
104)  1,2,3-Trimethylbe 1.852 1.903 2.375 2.257 2.266 2.129 2.199 2.140   9.10
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9989
               Response Ratio = 0.00000 + 2.23338 *A + -0.02750 *A^2

105)  1,4-Dichlorobenze 1.097 1.088 1.351 1.257 1.246 1.135 1.179 1.193   8.05
106)  n-Butylbenzene    0.806 0.870 1.090 1.087 1.111 1.037 1.102 1.015  12.27
107)  Benzyl Chloride   0.119 0.120 0.208 0.261 0.294 0.309 0.337 0.236  37.75
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9967
               Response Ratio = 0.00000 + 0.22083 *A + 0.06087 *A^2

108)  1,2-Dichlorobenze 0.981 0.983 1.194 1.135 1.121 1.039 1.082 1.077   7.44
109)  1,2-Dibromo-3-Chl 0.130 0.128 0.179 0.200 0.209 0.209 0.225 0.183  21.50
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
               Response Ratio = 0.00000 + 0.18011 *A + 0.02266 *A^2

110)  Hexachlorobutadie 0.184 0.192 0.227 0.223 0.226 0.214 0.229 0.214   8.55
111)  1,2,4-Trichlorobe 0.506 0.510 0.658 0.624 0.637 0.612 0.636 0.598  10.49
112)  Naphthalene       1.588 1.794 2.529 2.531 2.577 2.477 2.636 2.305  18.49
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
               Response Ratio = 0.00000 + 2.38247 *A + 0.11941 *A^2

113)  1,2,3-Trichlorobe 0.480 0.463 0.610 0.601 0.607 0.578 0.603 0.563  11.30
 ----------------------------------------------------------------------------
 (#) = Out of Range

          V1P_2022-08-24.M        Wed Aug 24 15:02:19 2022
```

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3565-ICV3565
Lab FileID: 1P92278.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-08-24\1P92278.D Vial: 10
Acq On : 24 Aug 2022 1:52 pm Operator: courtnef
Sample : ICV3565-5 Inst : MSVOA13
Misc : MS52202,V1P3565,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\MET...V1P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:46:33 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	103	0.00	3.72
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	32.401	19.0	73	0.01	1.13
		AvgRF	CCRF	%Dev			
3 P	Chloromethane	0.138	0.131	5.1	94	0.00	1.24
4	1,3-butadiene	0.143	0.142	0.7	93	0.00	1.31
5 C	Vinyl Chloride	0.177	0.158	10.7	86	0.00	1.30
		Amount	Calc.	%Drift			
6	Bromomethane	40.000	35.227	11.9	92	0.00	1.50
7	Chloroethane	40.000	33.590	16.0	98	0.00	1.57
8	Trichlorofluoromethane		----------NA----------				
		AvgRF	CCRF	%Dev			
9	Ethyl Ether	0.186	0.192	-3.2	99	0.00	1.87
10	Ethanol	0.004	0.004	0.0	93	0.01	1.97
		Amount	Calc.	%Drift			
11	1,2-Dichlorotrifluoroetha	40.000	47.386	-18.5	116	0.00	1.97
		AvgRF	CCRF	%Dev			
12 C	1,1-Dichloroethene	0.245	0.286	-16.7	109	0.00	1.97
13	Freon 113	0.152	0.161	-5.9	98	0.00	2.00
		Amount	Calc.	%Drift			
14	Carbon Disulfide	40.000	36.195	9.5	87	0.00	1.99
15	Iodomethane	40.000	34.949	12.6	82	0.00	2.05
		AvgRF	CCRF	%Dev			
16	Acrolein	0.061	0.064	-4.9	106	0.00	2.15
		Amount	Calc.	%Drift			
17	Allyl chloride		----------NA----------				
18	Methylene Chloride	40.000	37.944	5.1	104	0.00	2.30
19	Acetone	200.000	216.013	-8.0	110	0.00	2.32
		AvgRF	CCRF	%Dev			
20	Methyl acetate	0.240	0.274	-14.2	113	0.00	2.40
21	trans-1,2-Dichloroethene	0.253	0.284	-12.3	107	0.00	2.40
22	Hexane	0.130	0.154	-18.5	111	0.00	2.46

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3565-ICV3565
Lab FileID: 1P92278.D

			Amount	Calc.	%Drift			
23		Methyl Tert Butyl Ether		NA				
			AvgRF	CCRF	%Dev			
24		Tert Butyl Alcohol	0.063	0.065	-3.2	101	0.00	2.52
25		Acetonitrile	0.035	0.029	17.1	89	0.00	2.55
26		Di-isopropyl ether	0.528	0.621	-17.6	113	0.00	2.69
27		Chloroprene	0.719	0.982	-36.6#	138	0.00	2.72
28	P	1,1-Dichloroethane	0.328	0.389	-18.6	113	0.00	2.72
29		Acrylonitrile	0.113	0.126	-11.5	115	0.00	2.72
30		ETBE	0.622	0.672	-8.0	103	0.00	2.88
31		Vinyl acetate	0.426	0.467	-9.6	106	0.00	2.86
32		cis-1,2-Dichloroethene	0.197	0.219	-11.2	110	0.00	3.02
			Amount	Calc.	%Drift			
33		2,2-Dichloropropane	40.000	42.122	-5.3	103	0.00	3.09
			AvgRF	CCRF	%Dev			
34		Bromochloromethane	0.086	0.089	-3.5	102	0.00	3.13
35		Cyclohexane	0.300	0.324	-8.0	99	0.00	3.16
36	C	Chloroform	0.331	0.379	-14.5	109	0.00	3.16
37		Ethyl acetate	0.318	0.336	-5.7	106	0.00	3.23
38		Tetrahydrofuran	0.125	0.131	-4.8	111	0.00	3.26
39	S	Dibromofluoromethane	0.213	0.218	-2.3	105	0.00	3.26
			Amount	Calc.	%Drift			
40		Carbon Tetrachloride	40.000	42.982	-7.5	107	0.00	3.27
			AvgRF	CCRF	%Dev			
41		1,1,1-Trichloroethane	0.280	0.326	-16.4	108	0.00	3.29
			Amount	Calc.	%Drift			
42		2-Butanone	200.000	221.112	-10.6	113	0.00	3.32
			AvgRF	CCRF	%Dev			
43		1,1-Dichloropropene	0.248	0.274	-10.5	106	0.00	3.36
			Amount	Calc.	%Drift			
44		tert-Butyl formate	200.000	184.276	7.9	90	0.00	3.41
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.058	0.059	-1.7	99	0.00	3.46
46		Methacrylonitrile	0.167	0.182	-9.0	101	0.00	3.48
47		Benzene	0.786	0.868	-10.4	108	0.00	3.49
			Amount	Calc.	%Drift			
48		TAME		NA				
			AvgRF	CCRF	%Dev			
49	S	1,2-Dichloroethane-d4	0.298	0.309	-3.7	105	0.00	3.55
50		Isobutyl alcohol	0.030	0.036	-20.0	111	0.00	3.59
51		1,2-Dichloroethane	0.283	0.316	-11.7	111	0.00	3.59
52		Tert Amyl Alcohol	0.051	0.054	-5.9	100	0.00	3.65
53		Trichloroethene	0.196	0.219	-11.7	108	0.00	3.82
54		Methylcyclohexane	0.276	0.304	-10.1	102	0.00	3.84
55		Dibromomethane	0.110	0.123	-11.8	108	0.00	4.05
56	C	1,2-Dichloropropane	0.191	0.207	-8.4	105	0.00	4.11
			Amount	Calc.	%Drift			

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3565-ICV3565
Lab FileID: 1P92278.D

57		Bromodichloromethane	40.000	46.026	-15.1	114	0.00	4.15
			AvgRF	CCRF	%Dev			
58		Methyl methacrylate	0.207	0.235	-13.5	103	0.00	4.24
59		1,4-Dioxane	0.005	0.006	-20.0	111	0.00	4.26
60		2-Chloroethyl vinyl ether	0.160	0.178	-11.2	108	0.00	4.48
			Amount	Calc.	%Drift			
61		cis-1,3-Dichloropropene	40.000	45.026	-12.6	110	0.00	4.52
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00	5.64
63	S	Toluene-d8	1.404	1.425	-1.5	102	0.00	4.65
64	C	Toluene	1.238	1.393	-12.5	109	0.00	4.68
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	234.243	-17.1	111	0.00	4.78
			AvgRF	CCRF	%Dev			
66		4-Methyl-2-pentanone	0.472	0.513	-8.7	108	0.00	4.89
			Amount	Calc.	%Drift			
67		trans-1,3-Dichloropropene	40.000	47.739	-19.3	118	0.00	4.92
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.263	0.296	-12.5	108	0.00	4.94
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	42.902	-7.3	101	0.00	5.03
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.209	0.243	-16.3	111	0.00	5.02
			Amount	Calc.	%Drift			
71		Dibromochloromethane	40.000	44.410	-11.0	107	0.00	5.14
			AvgRF	CCRF	%Dev			
72		1,3-Dichloropropane	0.468	0.501	-7.1	104	0.00	5.20
73		1,2-Dibromoethane	0.256	0.301	-17.6	110	0.00	5.30
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	2125.948	-6.3	104	0.00	5.42
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.502	0.546	-8.8	106	0.00	5.43
76		1-Chlorohexane	0.400	0.416	-4.0	98	0.00	5.65
77	C	Ethylbenzene	1.331	1.516	-13.9	112	0.00	5.68
78	P	Chlorobenzene	0.729	0.827	-13.4	111	0.00	5.65
			Amount	Calc.	%Drift			
79		1,1,1,2-Tetrachloroethane	40.000	45.507	-13.8	111	0.00	5.70
			AvgRF	CCRF	%Dev			
80		m,p-Xylene	1.048	1.191	-13.6	108	0.00	5.78
81		o-Xylene	1.033	1.206	-16.7	112	0.00	6.08
			Amount	Calc.	%Drift			
82		Styrene	40.000	45.419	-13.5	111	0.00	6.11
83	P	Bromoform	40.000	47.485	-18.7	116	0.00	6.12

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3565-ICV3565
Lab FileID: 1P92278.D

			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.177	1.371	-16.5	110	0.00	6.31
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	7.33
86	S	4-Bromofluorobenzene	0.797	0.803	-0.8	102	0.00	6.49
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	41.813	-4.5	99	0.00	6.53
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	3.215	3.732	-16.1	110	0.00	6.61
89		Bromobenzene	0.656	0.705	-7.5	106	0.00	6.57
90	P	1,1,2,2-Tetrachloroethane	0.857	0.989	-15.4	109	0.00	6.63
91		1,3,5-Trimethylbenzene	2.218	2.537	-14.4	107	0.00	6.76
92		2-Chlorotoluene	1.920	2.190	-14.1	108	0.00	6.71
			Amount	Calc.	%Drift			
93		trans-1,4-Dichloro-2-Bute	40.000	39.358	1.6	94	0.00	6.76
			AvgRF	CCRF	%Dev			
94		1,2,3-Trichloropropane	0.319	0.349	-9.4	106	0.00	6.72
95		Cyclohexanone	0.060	0.067	-11.7	106	0.00	6.74
96		4-Chlorotoluene	2.007	2.307	-14.9	110	0.00	6.83
97		tert-Butylbenzene	1.228	1.422	-15.8	108	0.00	7.00
98		a-Methyl styrene		----------NA----------				
99		1,2,4-Trimethylbenzene	2.143	2.526	-17.9	110	0.00	7.05
			Amount	Calc.	%Drift			
100		Pentachloroethane	40.000	45.095	-12.7	105	0.00	7.00
101		sec-Butylbenzene	40.000	46.755	-16.9	113	0.00	7.13
102		4-Isopropyltoluene	40.000	46.793	-17.0	113	0.00	7.25
			AvgRF	CCRF	%Dev			
103		1,3-Dichlorobenzene	1.149	1.328	-15.6	111	0.00	7.28
			Amount	Calc.	%Drift			
104		1,2,3-Trimethylbenzene	40.000	46.880	-17.2	115	0.00	7.37
			AvgRF	CCRF	%Dev			
105		1,4-Dichlorobenzene	1.193	1.330	-11.5	107	0.00	7.35
106		n-Butylbenzene	1.015	1.135	-11.8	103	0.00	7.56
			Amount	Calc.	%Drift			
107		Benzyl Chloride	40.000	35.191	12.0	79	0.00	7.52
			AvgRF	CCRF	%Dev			
108		1,2-Dichlorobenzene	1.077	1.225	-13.7	110	0.00	7.65
			Amount	Calc.	%Drift			
109		1,2-Dibromo-3-Chloropropa	40.000	44.516	-11.3	107	0.00	8.20
			AvgRF	CCRF	%Dev			
110		Hexachlorobutadiene	0.214	0.233	-8.9	103	0.00	8.69
111		1,2,4-Trichlorobenzene	0.598	0.701	-17.2	111	0.00	8.68
			Amount	Calc.	%Drift			
112		Naphthalene	40.000	46.987	-17.5	114	0.00	8.88
			AvgRF	CCRF	%Dev			

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3565-ICV3565
Lab FileID: 1P92278.D

113	1,2,3-Trichlorobenzene	0.563	0.659	-17.1	109	0.00	9.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

1P92270.D V1P_2022-08-24.M Wed Aug 24 14:51:24 2022

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3565-ICV3565
Lab FileID: 1P92280.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-08-24\1P92280.D Vial: 11
Acq On : 24 Aug 2022 2:24 pm Operator: courtnef
Sample : ICV3565-4 Inst : MSVOA13
Misc : MS52202,V1P3565,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\MET...V1P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:46:33 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	104	0.00	3.72
	---------- Amount	Calc.	%Drift	----------			
2	Dichlorodifluoromethane		NA				
	---------- AvgRF	CCRF	%Dev	----------			
3 P	Chloromethane		NA				
4	1,3-butadiene		NA				
5 C	Vinyl Chloride		NA				
	---------- Amount	Calc.	%Drift	----------			
6	Bromomethane		NA				
7	Chloroethane		NA				
8	Trichlorofluoromethane	25.000	25.776	-3.1	112	0.00	1.67
	---------- AvgRF	CCRF	%Dev	----------			
9	Ethyl Ether		NA				
10	Ethanol		NA				
	---------- Amount	Calc.	%Drift	----------			
11	1,2-Dichlorotrifluoroetha		NA				
	---------- AvgRF	CCRF	%Dev	----------			
12 C	1,1-Dichloroethene		NA				
13	Freon 113		NA				
	---------- Amount	Calc.	%Drift	----------			
14	Carbon Disulfide		NA				
15	Iodomethane		NA				
	---------- AvgRF	CCRF	%Dev	----------			
16	Acrolein		NA				
	---------- Amount	Calc.	%Drift	----------			
17	Allyl chloride	25.000	29.011	-16.0	119	0.00	2.24
18	Methylene Chloride		NA				
19	Acetone		NA				
	---------- AvgRF	CCRF	%Dev	----------			
20	Methyl acetate		NA				
21	trans-1,2-Dichloroethene		NA				
22	Hexane		NA				

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3565-ICV3565
Lab FileID: 1P92280.D

			Amount	Calc.	%Drift			
23		Methyl Tert Butyl Ether	25.000	28.009	-12.0	114	0.00	2.47

			AvgRF	CCRF	%Dev
24		Tert Butyl Alcohol		----------NA----------	
25		Acetonitrile		----------NA----------	
26		Di-isopropyl ether		----------NA----------	
27		Chloroprene		----------NA----------	
28	P	1,1-Dichloroethane		----------NA----------	
29		Acrylonitrile		----------NA----------	
30		ETBE		----------NA----------	
31		Vinyl acetate		----------NA----------	
32		cis-1,2-Dichloroethene		----------NA----------	

			Amount	Calc.	%Drift
33		2,2-Dichloropropane		----------NA----------	

			AvgRF	CCRF	%Dev
34		Bromochloromethane		----------NA----------	
35		Cyclohexane		----------NA----------	
36	C	Chloroform		----------NA----------	
37		Ethyl acetate		----------NA----------	
38		Tetrahydrofuran		----------NA----------	
39	S	Dibromofluoromethane	0.213	0.217	-1.9

			Amount	Calc.	%Drift
40		Carbon Tetrachloride		----------NA----------	

			AvgRF	CCRF	%Dev
41		1,1,1-Trichloroethane		----------NA----------	

			Amount	Calc.	%Drift
42		2-Butanone		----------NA----------	

			AvgRF	CCRF	%Dev
43		1,1-Dichloropropene		----------NA----------	

			Amount	Calc.	%Drift
44		tert-Butyl formate		----------NA----------	

			AvgRF	CCRF	%Dev
45		Propionitrile		----------NA----------	
46		Methacrylonitrile		----------NA----------	
47		Benzene		----------NA----------	

			Amount	Calc.	%Drift			
48		TAME	25.000	31.829	-27.3#	130	0.00	3.57

			AvgRF	CCRF	%Dev			
49	S	1,2-Dichloroethane-d4	0.298	0.304	-2.0	105	0.00	3.55
50		Isobutyl alcohol		----------NA----------				
51		1,2-Dichloroethane		----------NA----------				
52		Tert Amyl Alcohol		----------NA----------				
53		Trichloroethene		----------NA----------				
54		Methylcyclohexane		----------NA----------				
55		Dibromomethane		----------NA----------				
56	C	1,2-Dichloropropane		----------NA----------				

			Amount	Calc.	%Drift

57		Bromodichloromethane			NA			
			AvgRF	CCRF	%Dev			
58		Methyl methacrylate			NA			
59		1,4-Dioxane			NA			
60		2-Chloroethyl vinyl ether			NA			
			Amount	Calc.	%Drift			
61		cis-1,3-Dichloropropene			NA			
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	5.64
63	S	Toluene-d8	1.404	1.397	0.5	104	0.00	4.65
64	C	Toluene			NA			
			Amount	Calc.	%Drift			
65		2-Nitropropane			NA			
			AvgRF	CCRF	%Dev			
66		4-Methyl-2-pentanone			NA			
			Amount	Calc.	%Drift			
67		trans-1,3-Dichloropropene			NA			
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene			NA			
			Amount	Calc.	%Drift			
69		Ethyl methacrylate			NA			
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane			NA			
			Amount	Calc.	%Drift			
71		Dibromochloromethane			NA			
			AvgRF	CCRF	%Dev			
72		1,3-Dichloropropane			NA			
73		1,2-Dibromoethane			NA			
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol			NA			
			AvgRF	CCRF	%Dev			
75		2-hexanone			NA			
76		1-Chlorohexane			NA			
77	C	Ethylbenzene			NA			
78	P	Chlorobenzene			NA			
			Amount	Calc.	%Drift			
79		1,1,1,2-Tetrachloroethane			NA			
			AvgRF	CCRF	%Dev			
80		m,p-Xylene			NA			
81		o-Xylene			NA			
			Amount	Calc.	%Drift			
82		Styrene			NA			
83	P	Bromoform			NA			

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3565-ICV3565
Lab FileID: 1P92280.D

			AvgRF	CCRF	%Dev			
84		Isopropylbenzene		----------NA----------				
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	7.33
86	S	4-Bromofluorobenzene	0.797	0.789	1.0	106	0.00	6.50

			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene		----------NA----------				

			AvgRF	CCRF	%Dev			
88		n-Propylbenzene		----------NA----------				
89		Bromobenzene		----------NA----------				
90	P	1,1,2,2-Tetrachloroethane		----------NA----------				
91		1,3,5-Trimethylbenzene		----------NA----------				
92		2-Chlorotoluene		----------NA----------				

			Amount	Calc.	%Drift			
93		trans-1,4-Dichloro-2-Bute		----------NA----------				

			AvgRF	CCRF	%Dev			
94		1,2,3-Trichloropropane		----------NA----------				
95		Cyclohexanone		----------NA----------				
96		4-Chlorotoluene		----------NA----------				
97		tert-Butylbenzene		----------NA----------				
98		a-Methyl styrene	0.000	0.000	0.0	0#	0.00	7.14
99		1,2,4-Trimethylbenzene		----------NA----------				

			Amount	Calc.	%Drift			
100		Pentachloroethane		----------NA----------				
101		sec-Butylbenzene		----------NA----------				
102		4-Isopropyltoluene		----------NA----------				

			AvgRF	CCRF	%Dev			
103		1,3-Dichlorobenzene		----------NA----------				

			Amount	Calc.	%Drift			
104		1,2,3-Trimethylbenzene		----------NA----------				

			AvgRF	CCRF	%Dev			
105		1,4-Dichlorobenzene		----------NA----------				
106		n-Butylbenzene		----------NA----------				

			Amount	Calc.	%Drift			
107		Benzyl Chloride		----------NA----------				

			AvgRF	CCRF	%Dev			
108		1,2-Dichlorobenzene		----------NA----------				

			Amount	Calc.	%Drift			
109		1,2-Dibromo-3-Chloropropa		----------NA----------				

			AvgRF	CCRF	%Dev			
110		Hexachlorobutadiene		----------NA----------				
111		1,2,4-Trichlorobenzene		----------NA----------				

			Amount	Calc.	%Drift			
112		Naphthalene		----------NA----------				

			AvgRF	CCRF	%Dev			

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3565-ICV3565
Lab FileID: 1P92280.D

```
113     1,2,3-Trichlorobenzene              ----------NA----------
 ------------------------------------------------------------------------------
 ------------------------------------------------------------------------------

    (#) = Out of Range                SPCC's out = 4  CCC's out = 6
     1P92268.D  V1P_2022-08-24.M        Wed Aug 24 15:01:51 2022
```

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3579-CC3565
Lab FileID: 1P92895.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\jo...022\v1p3579\1P92895.D Vial: 2
Acq On : 13 Sep 2022 11:04 am Operator: lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\met...V1P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:46:33 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	95	0.00	3.72
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane	40.000	46.520	-16.3	96	0.00	1.12
			AvgRF	CCRF	%Dev			
3	P	Chloromethane	0.138	0.130	5.8	87	0.00	1.25
4		1,3-butadiene	0.143	0.136	4.9	82	0.00	1.31
5	C	Vinyl Chloride	0.177	0.174	1.7	87	0.00	1.30
			Amount	Calc.	%Drift			
6		Bromomethane	40.000	15.036	62.4#	39	0.00	1.50
7		Chloroethane	40.000	34.836	12.9	93	0.00	1.58
8		Trichlorofluoromethane	40.000	41.208	-3.0	88	0.00	1.67
			AvgRF	CCRF	%Dev			
9		Ethyl Ether	0.186	0.201	-8.1	96	0.00	1.87
10		Ethanol	0.004	0.004	0.0	79	0.00	1.95
			Amount	Calc.	%Drift			
11		1,2-Dichlorotrifluoroetha	40.000	46.578	-16.4	105	0.00	1.97
			AvgRF	CCRF	%Dev			
12	C	1,1-Dichloroethene	0.245	0.246	-0.4	86	0.00	1.97
13		Freon 113	0.152	0.177	-16.4	98	0.00	2.01
			Amount	Calc.	%Drift			
14		Carbon Disulfide	40.000	35.233	11.9	78	0.00	1.99
15		Iodomethane	40.000	25.023	37.4#	53	0.00	2.05
			AvgRF	CCRF	%Dev			
16		Acrolein	0.061	0.059	3.3	90	0.00	2.15
			Amount	Calc.	%Drift			
17		Allyl chloride	40.000	33.746	15.6	74	0.00	2.24
18		Methylene Chloride	40.000	33.851	15.4	87	0.00	2.30
19		Acetone	200.000	174.093	13.0	83	0.00	2.31
			AvgRF	CCRF	%Dev			
20		Methyl acetate	0.240	0.231	3.7	88	0.00	2.39
21		trans-1,2-Dichloroethene	0.253	0.245	3.2	85	0.00	2.40
22		Hexane	0.130	0.148	-13.8	98	0.00	2.47

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3579-CC3565
Lab FileID: 1P92895.D

			Amount	Calc.	%Drift			
23		Methyl Tert Butyl Ether	40.000	40.209	-0.5	93	0.00	2.47
			AvgRF	CCRF	%Dev			
24		Tert Butyl Alcohol	0.063	0.060	4.8	86	0.00	2.50
25		Acetonitrile	0.035	0.027	22.9#	77	0.00	2.55
26		Di-isopropyl ether	0.528	0.546	-3.4	92	0.00	2.68
27		Chloroprene	0.719	0.652	9.3	84	0.00	2.73
28	P	1,1-Dichloroethane	0.328	0.321	2.1	86	0.00	2.73
29		Acrylonitrile	0.113	0.102	9.7	85	0.00	2.73
30		ETBE	0.622	0.632	-1.6	89	0.00	2.88
31		Vinyl acetate	0.426	0.411	3.5	85	0.00	2.86
32		cis-1,2-Dichloroethene	0.197	0.190	3.6	88	0.00	3.02
			Amount	Calc.	%Drift			
33		2,2-Dichloropropane	40.000	37.395	6.5	83	0.00	3.08
			AvgRF	CCRF	%Dev			
34		Bromochloromethane	0.086	0.083	3.5	88	0.00	3.12
35		Cyclohexane	0.300	0.315	-5.0	89	0.00	3.16
36	C	Chloroform	0.331	0.327	1.2	87	0.00	3.17
37		Ethyl acetate	0.318	0.298	6.3	86	0.00	3.22
38		Tetrahydrofuran	0.125	0.118	5.6	92	0.00	3.25
39	S	Dibromofluoromethane	0.213	0.213	0.0	94	0.00	3.27
			Amount	Calc.	%Drift			
40		Carbon Tetrachloride	40.000	38.084	4.8	86	0.00	3.27
			AvgRF	CCRF	%Dev			
41		1,1,1-Trichloroethane	0.280	0.278	0.7	85	0.00	3.29
			Amount	Calc.	%Drift			
42		2-Butanone	200.000	176.633	11.7	84	0.00	3.31
			AvgRF	CCRF	%Dev			
43		1,1-Dichloropropene	0.248	0.243	2.0	87	0.00	3.36
			Amount	Calc.	%Drift			
44		tert-Butyl formate	200.000	188.062	6.0	85	0.00	3.41
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.058	0.053	8.6	81	0.00	3.46
46		Methacrylonitrile	0.167	0.155	7.2	79	0.00	3.48
47		Benzene	0.786	0.772	1.8	88	0.00	3.50
			Amount	Calc.	%Drift			
48		TAME	40.000	38.376	4.1	88	0.00	3.57
			AvgRF	CCRF	%Dev			
49	S	1,2-Dichloroethane-d4	0.298	0.298	0.0	93	0.00	3.55
50		Isobutyl alcohol	0.030	0.029	3.3	83	0.00	3.58
51		1,2-Dichloroethane	0.283	0.272	3.9	87	0.00	3.59
52		Tert Amyl Alcohol	0.051	0.052	-2.0	88	0.00	3.65
53		Trichloroethene	0.196	0.190	3.1	86	0.00	3.82
54		Methylcyclohexane	0.276	0.304	-10.1	94	0.00	3.85
55		Dibromomethane	0.110	0.113	-2.7	91	0.00	4.05
56	C	1,2-Dichloropropane	0.191	0.193	-1.0	90	0.00	4.11
			Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3579-CC3565
Lab FileID: 1P92895.D

57		Bromodichloromethane	40.000	38.626	3.4	87	0.00	4.14
			AvgRF	CCRF	%Dev			
58		Methyl methacrylate	0.207	0.199	3.9	81	0.00	4.23
59		1,4-Dioxane	0.005	0.004	20.0	80	0.00	4.26
60		2-Chloroethyl vinyl ether	0.160	0.157	1.9	87	0.00	4.48
			Amount	Calc.	%Drift			
61		cis-1,3-Dichloropropene	40.000	38.108	4.7	85	0.00	4.52
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00	5.64
63	S	Toluene-d8	1.404	1.370	2.4	95	0.00	4.65
64	C	Toluene	1.238	1.163	6.1	88	0.00	4.68
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	181.899	9.1	81	0.00	4.78
			AvgRF	CCRF	%Dev			
66		4-Methyl-2-pentanone	0.472	0.433	8.3	88	0.00	4.89
			Amount	Calc.	%Drift			
67		trans-1,3-Dichloropropene	40.000	37.016	7.5	89	0.00	4.92
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.263	0.262	0.4	92	0.00	4.94
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	35.472	11.3	81	0.00	5.03
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.209	0.205	1.9	91	0.00	5.02
			Amount	Calc.	%Drift			
71		Dibromochloromethane	40.000	39.655	0.9	91	0.00	5.14
			AvgRF	CCRF	%Dev			
72		1,3-Dichloropropane	0.468	0.447	4.5	90	0.00	5.19
73		1,2-Dibromoethane	0.256	0.256	0.0	91	0.00	5.29
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	1850.801	7.5	88	0.00	5.42
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.502	0.464	7.6	87	0.00	5.43
76		1-Chlorohexane	0.400	0.372	7.0	85	0.00	5.65
77	C	Ethylbenzene	1.331	1.257	5.6	90	0.00	5.69
78	P	Chlorobenzene	0.729	0.702	3.7	91	0.00	5.65
			Amount	Calc.	%Drift			
79		1,1,1,2-Tetrachloroethane	40.000	38.708	3.2	91	0.00	5.70
			AvgRF	CCRF	%Dev			
80		m,p-Xylene	1.048	0.990	5.5	87	0.00	5.78
81		o-Xylene	1.033	1.004	2.8	90	0.00	6.08
			Amount	Calc.	%Drift			
82		Styrene	40.000	37.916	5.2	89	0.00	6.11
83	P	Bromoform	40.000	39.747	0.6	92	0.00	6.12

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3579-CC3565
Lab FileID: 1P92895.D

			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.177	1.152	2.1	89	0.00	6.31
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	7.33
86	S	4-Bromofluorobenzene	0.797	0.772	3.1	99	0.00	6.50

			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	29.943	25.1#	70	0.00	6.53

			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	3.215	2.993	6.9	88	0.00	6.61
89		Bromobenzene	0.656	0.617	5.9	93	0.00	6.57
90	P	1,1,2,2-Tetrachloroethane	0.857	0.836	2.5	92	0.00	6.63
91		1,3,5-Trimethylbenzene	2.218	2.084	6.0	88	0.00	6.76
92		2-Chlorotoluene	1.920	1.776	7.5	88	0.00	6.72

			Amount	Calc.	%Drift			
93		trans-1,4-Dichloro-2-Bute	40.000	31.047	22.4#	74	0.00	6.76

			AvgRF	CCRF	%Dev			
94		1,2,3-Trichloropropane	0.319	0.306	4.1	93	0.00	6.73
95		Cyclohexanone	0.060	0.056	6.7	88	0.00	6.74
96		4-Chlorotoluene	2.007	1.844	8.1	88	0.00	6.84
97		tert-Butylbenzene	1.228	1.140	7.2	86	0.00	6.99
98		a-Methyl styrene	0.000	0.000	0.0	0#	0.00	7.13
99		1,2,4-Trimethylbenzene	2.143	2.045	4.6	89	0.00	7.04

			Amount	Calc.	%Drift			
100		Pentachloroethane	40.000	35.297	11.8	81	0.00	7.00
101		sec-Butylbenzene	40.000	37.292	6.8	90	0.00	7.13
102		4-Isopropyltoluene	40.000	37.620	6.0	91	0.00	7.24

			AvgRF	CCRF	%Dev			
103		1,3-Dichlorobenzene	1.149	1.093	4.9	91	0.00	7.27

			Amount	Calc.	%Drift			
104		1,2,3-Trimethylbenzene	40.000	18.070	54.8#	45	0.00	7.37

			AvgRF	CCRF	%Dev			
105		1,4-Dichlorobenzene	1.193	1.134	4.9	92	0.00	7.34
106		n-Butylbenzene	1.015	0.970	4.4	88	0.00	7.56

			Amount	Calc.	%Drift			
107		Benzyl Chloride	40.000	35.808	10.5	81	0.00	7.52

			AvgRF	CCRF	%Dev			
108		1,2-Dichlorobenzene	1.077	1.036	3.8	93	0.00	7.65

			Amount	Calc.	%Drift			
109		1,2-Dibromo-3-Chloropropa	40.000	36.843	7.9	87	0.00	8.21

			AvgRF	CCRF	%Dev			
110		Hexachlorobutadiene	0.214	0.205	4.2	91	0.00	8.69
111		1,2,4-Trichlorobenzene	0.598	0.585	2.2	93	0.00	8.68

			Amount	Calc.	%Drift			
112		Naphthalene	40.000	38.020	4.9	92	0.00	8.89

			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3579-CC3565
Lab FileID: 1P92895.D

113	1,2,3-Trichlorobenzene	0.563	0.570	-1.2	95	0.00	9.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1P92270.D V1P_2022-08-24.M Wed Sep 14 06:12:47 2022

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3579-ECC3565
Lab FileID: 1P92939.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\jo...022\v1p3579\1P92939.D Vial: 24
Acq On : 13 Sep 2022 10:57 pm Operator: lindsayr
Sample : ECC3565-5 Inst : MSVOA13
Misc : MS52376,V1P3579,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\met...V1P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 14:46:33 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	99	0.00	3.72
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane	40.000	49.177	-22.9	106	0.01	1.13
			AvgRF	CCRF	%Dev			
3	P	Chloromethane	0.138	0.140	-1.4	97	0.00	1.25
4		1,3-butadiene	0.143	0.134	6.3	84	0.00	1.31
5	C	Vinyl Chloride	0.177	0.183	-3.4	96	0.00	1.29
			Amount	Calc.	%Drift			
6		Bromomethane	40.000	10.067	74.8#	28	0.00	1.50
7		Chloroethane	40.000	37.335	6.7	102	0.00	1.57
8		Trichlorofluoromethane	40.000	37.146	7.1	86	0.00	1.67
			AvgRF	CCRF	%Dev			
9		Ethyl Ether	0.186	0.202	-8.6	100	0.00	1.87
10		Ethanol	0.004	0.004	0.0	86	0.00	1.95
			Amount	Calc.	%Drift			
11		1,2-Dichlorotrifluoroetha	40.000	46.940	-17.3	110	0.00	1.97
			AvgRF	CCRF	%Dev			
12	C	1,1-Dichloroethene	0.245	0.251	-2.4	92	0.00	1.97
13		Freon 113	0.152	0.164	-7.9	95	0.00	2.01
			Amount	Calc.	%Drift			
14		Carbon Disulfide	40.000	38.004	5.0	88	0.00	1.99
15		Iodomethane	40.000	13.623	65.9#	30	0.00	2.05
			AvgRF	CCRF	%Dev			
16		Acrolein	0.061	0.053	13.1	85	0.00	2.15
			Amount	Calc.	%Drift			
17		Allyl chloride	40.000	33.338	16.7	76	0.00	2.24
18		Methylene Chloride	40.000	37.424	6.4	99	0.00	2.29
19		Acetone	200.000	172.865	13.6	86	0.00	2.31
			AvgRF	CCRF	%Dev			
20		Methyl acetate	0.240	0.238	0.8	94	0.00	2.39
21		trans-1,2-Dichloroethene	0.253	0.254	-0.4	92	0.00	2.39
22		Hexane	0.130	0.135	-3.8	93	0.00	2.46

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: V1P3579-ECC3565
Lab FileID: 1P92939.D

			Amount	Calc.	%Drift			
23		Methyl Tert Butyl Ether	40.000	41.983	-5.0	101	0.00	2.47
			AvgRF	CCRF	%Dev			
24		Tert Butyl Alcohol	0.063	0.066	-4.8	99	0.00	2.50
25		Acetonitrile	0.035	0.027	22.9	80	0.00	2.55
26		Di-isopropyl ether	0.528	0.571	-8.1	100	0.00	2.68
27		Chloroprene	0.719	0.644	10.4	87	0.00	2.72
28	P	1,1-Dichloroethane	0.328	0.331	-0.9	93	0.00	2.73
29		Acrylonitrile	0.113	0.101	10.6	88	0.00	2.72
30		ETBE	0.622	0.661	-6.3	97	0.00	2.88
31		Vinyl acetate	0.426	0.395	7.3	86	0.00	2.86
32		cis-1,2-Dichloroethene	0.197	0.198	-0.5	95	0.00	3.02
			Amount	Calc.	%Drift			
33		2,2-Dichloropropane	40.000	33.702	15.7	78	0.00	3.08
			AvgRF	CCRF	%Dev			
34		Bromochloromethane	0.086	0.087	-1.2	95	0.00	3.12
35		Cyclohexane	0.300	0.316	-5.3	93	0.00	3.16
36	C	Chloroform	0.331	0.338	-2.1	94	0.00	3.17
37		Ethyl acetate	0.318	0.295	7.2	89	0.00	3.22
38		Tetrahydrofuran	0.125	0.118	5.6	96	0.00	3.26
39	S	Dibromofluoromethane	0.213	0.213	0.0	98	0.00	3.26
			Amount	Calc.	%Drift			
40		Carbon Tetrachloride	40.000	39.768	0.6	94	0.00	3.27
			AvgRF	CCRF	%Dev			
41		1,1,1-Trichloroethane	0.280	0.289	-3.2	92	0.00	3.29
			Amount	Calc.	%Drift			
42		2-Butanone	200.000	178.593	10.7	89	0.00	3.31
			AvgRF	CCRF	%Dev			
43		1,1-Dichloropropene	0.248	0.251	-1.2	93	0.00	3.36
			Amount	Calc.	%Drift			
44		tert-Butyl formate	200.000	194.393	2.8	92	0.00	3.41
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.058	0.053	8.6	84	0.00	3.46
46		Methacrylonitrile	0.167	0.153	8.4	81	0.00	3.48
47		Benzene	0.786	0.792	-0.8	94	0.00	3.49
			Amount	Calc.	%Drift			
48		TAME	40.000	40.211	-0.5	96	0.00	3.56
			AvgRF	CCRF	%Dev			
49	S	1,2-Dichloroethane-d4	0.298	0.295	1.0	96	0.00	3.55
50		Isobutyl alcohol	0.030	0.030	0.0	89	0.00	3.58
51		1,2-Dichloroethane	0.283	0.272	3.9	91	0.00	3.59
52		Tert Amyl Alcohol	0.051	0.056	-9.8	99	0.00	3.65
53		Trichloroethene	0.196	0.197	-0.5	93	0.00	3.83
54		Methylcyclohexane	0.276	0.289	-4.7	93	0.00	3.84
55		Dibromomethane	0.110	0.114	-3.6	96	0.00	4.05
56	C	1,2-Dichloropropane	0.191	0.196	-2.6	95	0.00	4.11
			Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3579-ECC3565
Lab FileID: 1P92939.D

57		Bromodichloromethane	40.000	38.903	2.7	91	0.00	4.14
			AvgRF	CCRF	%Dev			
58		Methyl methacrylate	0.207	0.200	3.4	84	0.00	4.23
59		1,4-Dioxane	0.005	0.005	0.0	87	0.00	4.26
60		2-Chloroethyl vinyl ether	0.160	0.157	1.9	91	0.00	4.48
			Amount	Calc.	%Drift			
61		cis-1,3-Dichloropropene	40.000	39.374	1.6	92	0.00	4.52
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	5.64
63	S	Toluene-d8	1.404	1.368	2.6	99	0.00	4.65
64	C	Toluene	1.238	1.212	2.1	96	0.00	4.68
			Amount	Calc.	%Drift			
65		2-Nitropropane	200.000	167.904	16.0	77	0.00	4.78
			AvgRF	CCRF	%Dev			
66		4-Methyl-2-pentanone	0.472	0.429	9.1	91	0.00	4.89
			Amount	Calc.	%Drift			
67		trans-1,3-Dichloropropene	40.000	36.817	8.0	92	0.00	4.92
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.263	0.293	-11.4	108	0.00	4.94
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	35.949	10.1	86	0.00	5.03
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.209	0.209	0.0	97	0.00	5.02
			Amount	Calc.	%Drift			
71		Dibromochloromethane	40.000	39.740	0.6	96	0.00	5.14
			AvgRF	CCRF	%Dev			
72		1,3-Dichloropropane	0.468	0.466	0.4	98	0.00	5.19
73		1,2-Dibromoethane	0.256	0.259	-1.2	96	0.00	5.29
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	1908.489	4.6	95	0.00	5.42
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.502	0.465	7.4	91	0.00	5.43
76		1-Chlorohexane	0.400	0.375	6.3	89	0.00	5.65
77	C	Ethylbenzene	1.331	1.302	2.2	97	0.00	5.68
78	P	Chlorobenzene	0.729	0.716	1.8	97	0.00	5.65
			Amount	Calc.	%Drift			
79		1,1,1,2-Tetrachloroethane	40.000	38.866	2.8	96	0.00	5.70
			AvgRF	CCRF	%Dev			
80		m,p-Xylene	1.048	1.023	2.4	94	0.00	5.79
81		o-Xylene	1.033	1.011	2.1	95	0.00	6.08
			Amount	Calc.	%Drift			
82		Styrene	40.000	39.323	1.7	97	0.00	6.11
83	P	Bromoform	40.000	39.595	1.0	96	0.00	6.12

Continuing Calibration Summary

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			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.177	1.198	-1.8	97	0.00	6.31
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00	7.33
86	S	4-Bromofluorobenzene	0.797	0.777	2.5	105	0.00	6.50
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	26.603	33.5	66	0.00	6.53
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	3.215	3.057	4.9	96	0.00	6.61
89		Bromobenzene	0.656	0.630	4.0	100	0.00	6.57
90	P	1,1,2,2-Tetrachloroethane	0.857	0.841	1.9	98	0.00	6.63
91		1,3,5-Trimethylbenzene	2.218	2.135	3.7	95	0.00	6.76
92		2-Chlorotoluene	1.920	1.818	5.3	95	0.00	6.72
			Amount	Calc.	%Drift			
93		trans-1,4-Dichloro-2-Bute	40.000	28.643	28.4	73	0.00	6.76
			AvgRF	CCRF	%Dev			
94		1,2,3-Trichloropropane	0.319	0.304	4.7	97	0.00	6.73
95		Cyclohexanone	0.060	0.058	3.3	98	0.00	6.74
96		4-Chlorotoluene	2.007	1.905	5.1	96	0.00	6.84
97		tert-Butylbenzene	1.228	1.167	5.0	93	0.00	6.99
98		a-Methyl styrene	0.000	0.000	0.0	0#	0.00	7.13
99		1,2,4-Trimethylbenzene	2.143	2.080	2.9	96	0.00	7.05
			Amount	Calc.	%Drift			
100		Pentachloroethane	40.000	29.658	25.9	72	0.00	7.00
101		sec-Butylbenzene	40.000	37.857	5.4	97	0.00	7.13
102		4-Isopropyltoluene	40.000	38.049	4.9	97	0.00	7.24
			AvgRF	CCRF	%Dev			
103		1,3-Dichlorobenzene	1.149	1.109	3.5	98	0.00	7.28
			Amount	Calc.	%Drift			
104		1,2,3-Trimethylbenzene	40.000	18.552	53.6#	48	0.00	7.37
			AvgRF	CCRF	%Dev			
105		1,4-Dichlorobenzene	1.193	1.139	4.5	97	0.00	7.34
106		n-Butylbenzene	1.015	0.986	2.9	95	0.00	7.56
			Amount	Calc.	%Drift			
107		Benzyl Chloride	40.000	27.830	30.4	64	0.00	7.52
			AvgRF	CCRF	%Dev			
108		1,2-Dichlorobenzene	1.077	1.052	2.3	100	0.00	7.65
			Amount	Calc.	%Drift			
109		1,2-Dibromo-3-Chloropropa	40.000	37.108	7.2	93	0.00	8.21
			AvgRF	CCRF	%Dev			
110		Hexachlorobutadiene	0.214	0.206	3.7	97	0.00	8.69
111		1,2,4-Trichlorobenzene	0.598	0.596	0.3	100	0.00	8.68
			Amount	Calc.	%Drift			
112		Naphthalene	40.000	38.820	2.9	99	0.00	8.89
			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: V1P3579-ECC3565
Lab FileID: 1P92939.D

113	1,2,3-Trichlorobenzene	0.563	0.562	0.2	99	0.00	9.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1P92270.D V1P_2022-08-24.M Wed Sep 14 06:13:16 2022

Initial Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2679-ICC2679
Lab FileID: I750994.D

Response Factor Report MSVOA16

Method : C:\msdchem\1\met...22-08-30APP9-I.m (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Calibration Files
1 =I750990.D 2 =I750991.D 3 =I750992.D 4 =I750993.D
5 =I750994.D 6 =I750995.D 7 =I750996.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	----------ISTD----------								
2) Dichlorodifluorom	0.230	0.249	0.213	0.221	0.223	0.224	0.206	0.224	6.10
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989									
Response Ratio = 0.00000 + 0.23229 *A + -0.01130 *A^2									
3)P Chloromethane	0.313	0.303	0.273	0.293	0.290	0.293	0.281	0.292	4.56
4)C Vinyl Chloride	0.260	0.286	0.248	0.267	0.268	0.270	0.250	0.264	4.89
5) 1,3-Butadiene	0.256	0.241	0.200	0.184	0.189	0.181	0.168	0.203	16.24
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987									
Response Ratio = 0.00000 + 0.20600 *A + -0.01910 *A^2									
6) Bromomethane	0.242	0.161	0.143	0.136	0.138	0.133	0.128	0.155	25.82
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993									
Response Ratio = 0.00000 + 0.14736 *A + -0.01005 *A^2									
7) Chloroethane	0.163	0.176	0.125	0.131	0.123	0.118	0.106	0.135	18.82
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9972									
Response Ratio = 0.00000 + 0.14111 *A + -0.01753 *A^2									
8) Trichlorofluorome	0.350	0.350	0.308	0.329	0.323	0.265	0.236	0.309	13.98
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9984									
Response Ratio = 0.00000 + 0.35498 *A + -0.05974 *A^2									
9) Ethyl Ether	0.240	0.158	0.186	0.182	0.184	0.180	0.179	0.187	13.43
10) 1,2-Dichlorotrifl	0.270	0.192	0.213	0.214	0.218	0.216	0.204	0.218	11.33
11)C 1,1-Dichloroethen	0.376	0.278	0.303	0.307	0.315	0.314	0.296	0.313	9.80
12) Ethanol	0.009	0.011	0.010	0.011	0.011	0.011	0.010	0.010	7.30
13) Freon 113	0.204	0.149	0.176	0.171	0.176	0.180	0.166	0.174	9.42
14) Carbon Disulfide	0.702	0.464	0.523	0.527	0.539	0.540	0.513	0.544	13.63
15) Iodomethane	0.295	0.190	0.197	0.223	0.235	0.228	0.211	0.226	15.35
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9968									
Response Ratio = 0.00000 + 0.22908 *A + -0.00663 *A^2									
16) Acrolein	0.049	0.077	0.084	0.074	0.082	0.083	0.083	0.076	16.37
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9988									
Response Ratio = 0.00000 + 0.07757 *A + 0.00061 *A^2									
17) Allyl chloride	0.306	0.325	0.269	0.252	0.265	0.260	0.246	0.275	10.72
18) Methylene Chlorid	1.260	0.430	0.386	0.332	0.309	0.304	0.294	0.474	73.95
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9915									
Response Ratio = 0.00000 + 0.37675 *A + -0.04618 *A^2									
19) Acetone	0.146	0.140	0.165	0.161	0.168	0.170	0.162	0.159	7.26
20) Methyl acetate	0.304	0.243	0.300	0.316	0.324	0.328	0.326	0.306	9.75
21) trans-1,2-Dichlor	0.326	0.238	0.280	0.292	0.298	0.299	0.287	0.288	9.24
22) Hexane	0.167	0.138	0.135	0.132	0.130	0.136	0.118	0.137	10.87

Initial Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
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Sample: VI2679-ICC2679
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23)	Methyl Tert Butyl	0.578	0.446	0.531	0.530	0.533	0.538	0.535	0.527	7.48
24)	Tert butyl alcoho	0.101	0.082	0.111	0.111	0.113	0.113	0.109	0.106	10.69
25)	Acetonitrile	0.064	0.071	0.063	0.062	0.067	0.066	0.064	0.065	4.77
26)	Di-isopropyl ethe	0.692	0.550	0.645	0.664	0.679	0.678	0.671	0.654	7.37
27)	Chloroprene		0.063	0.055	0.056	0.061	0.060	0.057	0.059	5.21
28)P	1,1-Dichloroethan	0.408	0.312	0.356	0.362	0.370	0.370	0.353	0.362	7.91
29)	Acrylonitrile	0.151	0.131	0.145	0.166	0.168	0.168	0.170	0.157	9.62
30)	ETBE	0.732	0.549	0.649	0.674	0.683	0.675	0.664	0.661	8.40
31)	Vinyl acetate	0.348	0.359	0.420	0.490	0.500	0.503	0.504	0.446	15.70

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9985
Response Ratio = 0.00000 + 0.45889 *A + 0.00523 *A^2

32)	cis-1,2-Dichloroe	0.208	0.156	0.187	0.191	0.196	0.194	0.184	0.188	8.59
33)	2,2-Dichloropropa	0.367	0.246	0.288	0.289	0.306	0.305	0.284	0.298	12.23
34)	Bromochloromethan	0.072	0.071	0.086	0.088	0.090	0.088	0.088	0.083	9.91
35)	Cyclohexane	0.362	0.280	0.339	0.342	0.357	0.361	0.336	0.340	8.38
36)C	Chloroform	0.363	0.290	0.360	0.340	0.364	0.342	0.343	0.343	7.47
37)	Ethyl acetate	0.443	0.360	0.405	0.437	0.434	0.427	0.430	0.420	6.87
38)	Tetrahydrofuran	0.243	0.168	0.187	0.186	0.190	0.183	0.180	0.191	12.57
39)S	Dibromofluorometh	0.275	0.274	0.273	0.277	0.280	0.279	0.277	0.276	0.89
40)	Carbon Tetrachlor	0.299	0.225	0.260	0.259	0.271	0.268	0.253	0.262	8.50
41)	1,1,1-Trichloroet	0.350	0.262	0.299	0.306	0.309	0.309	0.290	0.304	8.67
42)	2-Butanone	0.186	0.192	0.252	0.260	0.274	0.278	0.268	0.244	15.89

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9983
Response Ratio = 0.00000 + 0.25642 *A + 0.00178 *A^2

43)	1,1-Dichloroprope	0.271	0.215	0.249	0.265	0.267	0.267	0.254	0.255	7.67
44)	tert-Butyl Format	0.131	0.192	0.215	0.193	0.218	0.222	0.225	0.199	16.47

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990
Response Ratio = 0.00000 + 0.19928 *A + 0.00274 *A^2

45)	Propionitrile	0.065	0.085	0.079	0.078	0.086	0.085	0.084	0.080	8.94
46)	Methacrylonitrile	0.229	0.274	0.225	0.220	0.235	0.233	0.226	0.235	7.76
47)	Benzene	0.830	0.619	0.718	0.741	0.750	0.738	0.698	0.728	8.70
48)	TAME	0.600	0.447	0.532	0.540	0.550	0.537	0.536	0.535	8.43
49)S	1,2-Dichloroethan	0.317	0.312	0.321	0.318	0.313	0.307	0.305	0.313	1.93
50)	Isobutyl alcohol	0.017	0.023	0.023	0.024	0.027	0.027	0.026	0.024	14.38
51)	1,2-Dichloroethan	0.312	0.246	0.282	0.286	0.286	0.279	0.274	0.281	6.94
52)	Tert Amyl Alcohol	0.096	0.071	0.093	0.096	0.100	0.098	0.097	0.093	10.66
53)	Trichloroethene	0.218	0.175	0.200	0.199	0.202	0.204	0.193	0.199	6.61
54)	Methylcyclohexane	0.280	0.211	0.265	0.266	0.274	0.278	0.255	0.261	9.10
55)	Dibromomethane	0.133	0.101	0.124	0.123	0.129	0.126	0.126	0.123	8.33
56)C	1,2-Dichloropropa	0.226	0.174	0.208	0.211	0.217	0.211	0.209	0.208	7.86
57)	Bromodichlorometh	0.270	0.214	0.247	0.255	0.256	0.254	0.250	0.250	6.87
58)	Methyl methacryla		0.275	0.232	0.238	0.267	0.273	0.276	0.260	7.63
59)	1,4-Dioxane		0.004	0.006	0.007	0.007	0.007	0.007	0.007	22.87

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9965
Response Ratio = 0.00000 + 0.00667 *A + 0.00002 *A^2

60)	2-Chloroethyl vin	0.087	0.157	0.180	0.158	0.175	0.176	0.174	0.158	20.64

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989
Response Ratio = 0.00000 + 0.16548 *A + 0.00105 *A^2

61)	cis-1,3-Dichlorop	0.284	0.238	0.283	0.292	0.303	0.303	0.299	0.286	7.98
62) I	Chlorobenzene-d5	----------ISTD----------								
63)S	Toluene-d8	1.342	1.321	1.379	1.369	1.383	1.382	1.367	1.363	1.71
64)C	Toluene	1.193	0.882	1.077	1.055	1.087	1.082	1.035	1.059	8.75
65)	2-Nitropropane	0.152	0.112	0.146	0.153	0.162	0.164	0.162	0.150	12.11
66)	4-Methyl-2-pentan	0.456	0.485	0.613	0.606	0.628	0.630	0.596	0.573	12.52

Initial Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VI2679-ICC2679
Lab FileID: I750994.D

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 67)  trans-1,3-Dichlor 0.293 0.256 0.345 0.336 0.354 0.362 0.354 0.329  11.98
 68)  Tetrachloroethene 0.325 0.257 0.308 0.304 0.309 0.303 0.287 0.299   7.20
 69)  Ethyl methacrylat 0.266 0.402 0.354 0.356 0.396 0.403 0.394 0.367  13.42
 70)  1,1,2-Trichloroet 0.211 0.166 0.211 0.213 0.217 0.212 0.206 0.205   8.51
 71)  Dibromochlorometh 0.274 0.210 0.272 0.273 0.286 0.284 0.285 0.269  10.01
 72)  1,3-Dichloropropa 0.442 0.330 0.405 0.420 0.425 0.429 0.420 0.410   9.06
 73)  1,2-Dibromoethane 0.240 0.208 0.266 0.264 0.275 0.278 0.273 0.258   9.81
 74)  3,3-dimethyl-1-bu 0.062 0.099 0.131 0.122 0.137 0.140 0.135 0.118  24.09
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9978
               Response Ratio = 0.00000 + 0.12566 *A + 0.00013 *A^2

 75)  2-hexanone        0.274 0.393 0.524 0.516 0.540 0.538 0.478 0.466  21.20
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9972
               Response Ratio = 0.00000 + 0.53429 *A + -0.00388 *A^2

 76)  1-Chlorohexane    0.352 0.267 0.326 0.340 0.355 0.355 0.335 0.333   9.32
 77)C Ethylbenzene      1.443 0.978 1.199 1.188 1.217 1.197 1.137 1.194  11.47
 78)P Chlorobenzene     0.780 0.557 0.685 0.682 0.683 0.680 0.650 0.674   9.76
 79)  1,1,1,2-Tetrachlo 0.274 0.211 0.253 0.254 0.259 0.259 0.253 0.252   7.79
 80)  m,p-Xylene        0.980 0.708 0.891 0.919 0.941 0.928 0.885 0.893   9.83
 81)  o-Xylene          0.960 0.708 0.869 0.912 0.934 0.929 0.897 0.887   9.47
 82)  Styrene           0.617 0.506 0.627 0.657 0.697 0.702 0.681 0.641  10.60
 83)P Bromoform         0.177 0.148 0.197 0.205 0.215 0.218 0.218 0.197  13.32
 84)  Isopropylbenzene  1.176 0.860 1.076 1.115 1.160 1.150 1.094 1.090   9.87

 85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
 86)S 4-Bromofluorobenz 0.849 0.836 0.820 0.822 0.827 0.837 0.825 0.831   1.22
 87)  cis-1,4-Dichloro- 0.272 0.395 0.323 0.305 0.346 0.355 0.341 0.334  11.63
 88)  n-Propylbenzene   2.801 2.243 2.587 2.653 2.667 2.687 2.535 2.596   6.81
 89)  Bromobenzene      0.660 0.474 0.569 0.578 0.577 0.575 0.550 0.569   9.56
 90)P 1,1,2,2-Tetrachlo 0.939 0.745 0.853 0.853 0.849 0.848 0.816 0.843   6.79
 91)  1,3,5-Trimethylbe 1.943 1.532 1.778 1.842 1.875 1.898 1.793 1.809   7.45
 92)  2-Chlorotoluene   1.886 1.542 1.724 1.718 1.722 1.747 1.657 1.714   6.01
 93)  trans-1,4-Dichlor 0.297 0.278 0.322 0.327 0.333 0.343 0.340 0.320   7.49
 94)  1,2,3-Trichloropr 0.323 0.233 0.269 0.268 0.269 0.271 0.262 0.271   9.77
 95)  Cyclohexanone     0.070 0.065 0.091 0.096 0.093 0.092 0.091 0.085  14.85
 96)  4-Chlorotoluene   1.748 1.355 1.523 1.577 1.573 1.582 1.506 1.552   7.54
 97)  tert-Butylbenzene 1.182 0.905 1.008 1.038 1.037 1.051 0.988 1.030   8.08
 98)  1,2,4-Trimethylbe 1.843 1.424 1.732 1.802 1.820 1.833 1.742 1.742   8.43
 99)  Pentachloroethane 0.329 0.396 0.312 0.301 0.347 0.347 0.331 0.338   9.15
100)  sec-Butylbenzene  2.421 1.821 2.115 2.167 2.202 2.177 2.068 2.139   8.38
101)  4-Isopropyltoluen 1.868 1.458 1.735 1.829 1.882 1.885 1.783 1.777   8.50
102)  1,3-Dichlorobenze 1.063 0.827 0.955 0.984 1.013 1.015 0.974 0.976   7.62
103)  1,2,3-Trimethylbe 2.111 1.518 1.792 1.821 1.829 1.833 1.760 1.809   9.57
104)  1,4-Dichlorobenze 1.314 0.900 1.073 1.046 1.059 1.048 1.006 1.064  11.71
105)  n-Butylbenzene    1.038 0.824 0.978 1.035 1.078 1.084 1.037 1.011   8.85
106)  Benzyl Chloride   0.206 0.204 0.253 0.269 0.311 0.324 0.318 0.269  18.96
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9925
               Response Ratio = 0.00000 + 0.22656 *A + 0.05941 *A^2

107)  1,2-Dichlorobenze 1.094 0.826 0.960 0.971 0.988 0.983 0.944 0.966   8.18
108)  1,2-Dibromo-3-Chl 0.264 0.215 0.241 0.253 0.258 0.267 0.266 0.252   7.44
109)  Hexachlorobutadie 0.351 0.242 0.286 0.298 0.302 0.304 0.284 0.295  10.97
110)  1,2,4-Trichlorobe 0.667 0.533 0.598 0.648 0.664 0.674 0.659 0.635   8.13
111)  Naphthalene       2.289 1.705 2.009 2.159 2.248 2.307 2.266 2.140  10.17
112)  1,2,3-Trichlorobe 0.717 0.532 0.620 0.642 0.645 0.665 0.644 0.638   8.72
 ----------------------------------------------------------------------------
 (#) = Out of Range

          2022-08-30APP9-I.m        Tue Aug 30 17:15:30 2022
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Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2679-ICV2679
Lab FileID: I750998.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2022-08-30\I750998.D Vial: 10
Acq On : 30 Aug 2022 2:33 pm Operator: adelardl
Sample : ICV2679-5 Inst : MSVOA16
Misc : MS52156,VI2679,,,,, Multiplr: 1.00
MS Integration Params: tiny.p

Method : C:\msdchem\1\met...22-08-30APP9-I.m (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 14:28:13 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	123	0.00	8.34
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane			NA			
			AvgRF	CCRF	%Dev			
3	P	Chloromethane	0.292	0.270	7.5	114	0.00	2.71
4	C	Vinyl Chloride	0.264	0.242	8.3	111	0.00	2.86
			Amount	Calc.	%Drift			
5		1,3-Butadiene	40.000	40.676	-1.7	125	-0.01	2.89
6		Bromomethane	40.000	38.119	4.7	118	0.00	3.39
7		Chloroethane	40.000	46.423	-16.1	144	0.02	3.60
8		Trichlorofluoromethane	40.000	35.718	10.7	106	0.02	3.82
			AvgRF	CCRF	%Dev			
9		Ethyl Ether	0.187	0.184	1.6	122	-0.02	4.29
10		1,2-Dichlorotrifluoroetha	0.218	0.240	-10.1	135	0.00	4.55
11	C	1,1-Dichloroethene	0.313	0.331	-5.8	129	0.00	4.55
12		Ethanol			NA			
13		Freon 113	0.174	0.166	4.6	116	0.00	4.61
14		Carbon Disulfide	0.544	0.479	11.9	109	0.00	4.59
			Amount	Calc.	%Drift			
15		Iodomethane			NA			
16		Acrolein	200.000	167.051	16.5	99	0.00	5.02
			AvgRF	CCRF	%Dev			
17		Allyl chloride	0.275	0.300	-9.1	139	0.00	5.20
			Amount	Calc.	%Drift			
18		Methylene Chloride	40.000	35.020	12.4	120	0.00	5.33
			AvgRF	CCRF	%Dev			
19		Acetone	0.159	0.138	13.2	101	0.02	5.42
20		Methyl acetate	0.306	0.293	4.2	111	0.00	5.56
21		trans-1,2-Dichloroethene	0.288	0.292	-1.4	120	0.00	5.55
22		Hexane	0.137	0.129	5.8	122	0.00	5.65
23		Methyl Tert Butyl Ether	0.527	0.624	-18.4	143	0.00	5.70
24		Tert butyl alcohol			NA			
25		Acetonitrile			NA			
26		Di-isopropyl ether	0.654	0.690	-5.5	125	0.00	6.15

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2679-ICV2679
Lab FileID: I750998.D

27		Chloroprene	0.059	0.318	-439.0#	644#	0.00		6.27
28	P	1,1-Dichloroethane	0.362	0.382	-5.5	126	0.00		6.29
29		Acrylonitrile	0.157	0.153	2.5	112	0.01		6.35
30		ETBE	0.661	0.631	4.5	113	0.00		6.59
			Amount	Calc.	%Drift				
31		Vinyl acetate	200.000	204.766	-2.4	120	0.00		6.58
			AvgRF	CCRF	%Dev				
32		cis-1,2-Dichloroethene	0.188	0.193	-2.7	121	0.00		6.95
33		2,2-Dichloropropane	0.298	0.285	4.4	114	0.00		7.06
34		Bromochloromethane	0.083	0.088	-6.0	120	0.00		7.18
35		Cyclohexane	0.340	0.334	1.8	115	0.00		7.20
36	C	Chloroform	0.343	0.332	3.2	112	0.00		7.25
37		Ethyl acetate	0.420	0.415	1.2	117	0.00		7.37
38		Tetrahydrofuran	0.191	0.175	8.4	113	0.00		7.45
39	S	Dibromofluoromethane	0.276	0.278	-0.7	122	0.00		7.45
40		Carbon Tetrachloride	0.262	0.258	1.5	117	0.00		7.43
41		1,1,1-Trichloroethane	0.304	0.299	1.6	118	0.00		7.49
			Amount	Calc.	%Drift				
42		2-Butanone	200.000	191.258	4.4	113	0.01		7.59
			AvgRF	CCRF	%Dev				
43		1,1-Dichloropropene	0.255	0.254	0.4	117	0.00		7.63
			Amount	Calc.	%Drift				
44		tert-Butyl Formate	200.000	178.050	11.0	105	0.00		7.73
			AvgRF	CCRF	%Dev				
45		Propionitrile	0.080	0.071	11.3	102	0.01		7.90
46		Methacrylonitrile	0.235	0.219	6.8	114	0.00		7.92
47		Benzene	0.728	0.722	0.8	118	0.00		7.90
48		TAME	0.535	0.731	-36.6#	163	0.00		8.01
49	S	1,2-Dichloroethane-d4	0.313	0.303	3.2	118	0.00		8.04
50		Isobutyl alcohol	0.024	0.026	-8.3	116	0.02		8.12
51		1,2-Dichloroethane	0.281	0.277	1.4	119	0.00		8.11
52		Tert Amyl Alcohol	0.093	0.081	12.9	100	0.02		8.22
53		Trichloroethene	0.199	0.194	2.5	118	0.00		8.53
54		Methylcyclohexane	0.261	0.254	2.7	113	0.00		8.54
55		Dibromomethane	0.123	0.120	2.4	114	0.00		8.97
56	C	1,2-Dichloropropane	0.208	0.198	4.8	112	0.00		9.06
57		Bromodichloromethane	0.250	0.253	-1.2	121	0.00		9.12
58		Methyl methacrylate	0.260	0.259	0.4	119	0.00		9.24
			Amount	Calc.	%Drift				
59		1,4-Dioxane	800.000	673.037	15.9	97	0.05		9.38
60		2-Chloroethyl vinyl ether	200.000	206.499	-3.2	123	0.00		9.66
			AvgRF	CCRF	%Dev				
61		cis-1,3-Dichloropropene	0.286	0.295	-3.1	119	0.00		9.76
62	I	Chlorobenzene-d5	1.000	1.000	0.0	123	0.00		11.51
63	S	Toluene-d8	1.363	1.373	-0.7	122	0.00		9.95
64	C	Toluene	1.059	1.043	1.5	118	0.00		10.01
65		2-Nitropropane	0.150	0.148	1.3	112	0.00		10.21
66		4-Methyl-2-pentanone	0.573	0.588	-2.6	115	0.00		10.34
67		trans-1,3-Dichloropropene	0.329	0.373	-13.4	129	0.00		10.40
68		Tetrachloroethene	0.299	0.298	0.3	118	0.00		10.41
69		Ethyl methacrylate	0.367	0.365	0.5	113	0.00		10.52

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2679-ICV2679
Lab FileID: I750998.D

70		1,1,2-Trichloroethane	0.205	0.211	-2.9	119	0.00	10.57
71		Dibromochloromethane	0.269	0.269	0.0	115	0.00	10.76
72		1,3-Dichloropropane	0.410	0.384	6.3	111	0.00	10.85
73		1,2-Dibromoethane	0.258	0.264	-2.3	118	0.00	11.02
		----------	Amount	Calc.	%Drift	----------		
74		3,3-dimethyl-1-butanol	2000.000	1887.489	5.6	110	0.00	11.13
75		2-hexanone	200.000	200.627	-0.3	118	0.00	11.17
		----------	AvgRF	CCRF	%Dev	----------		
76		1-Chlorohexane	0.333	0.336	-0.9	116	0.00	11.48
77	C	Ethylbenzene	1.194	1.163	2.6	117	0.00	11.54
78	P	Chlorobenzene	0.674	0.666	1.2	120	0.00	11.53
79		1,1,1,2-Tetrachloroethane	0.252	0.256	-1.6	122	0.00	11.58
80		m,p-Xylene	0.893	0.896	-0.3	117	0.00	11.68
81		o-Xylene	0.887	0.921	-3.8	121	0.00	12.12
82		Styrene	0.641	0.671	-4.7	118	0.00	12.16
83	P	Bromoform	0.197	0.207	-5.1	118	0.00	12.22
84		Isopropylbenzene	1.090	1.126	-3.3	119	0.00	12.42
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	0.00	13.88
86	S	4-Bromofluorobenzene	0.831	0.827	0.5	122	0.00	12.73
87		cis-1,4-Dichloro-2-butene	0.334	0.303	9.3	107	0.00	12.77
88		n-Propylbenzene	2.596	2.616	-0.8	119	0.00	12.84
89		Bromobenzene	0.569	0.535	6.0	113	0.00	12.85
90	P	1,1,2,2-Tetrachloroethane	0.843	0.817	3.1	117	0.00	12.90
91		1,3,5-Trimethylbenzene	1.809	1.772	2.0	115	0.00	13.02
92		2-Chlorotoluene	1.714	1.677	2.2	118	0.00	13.02
93		trans-1,4-Dichloro-2-Bute	0.320	0.275	14.1	100	0.00	13.08
94		1,2,3-Trichloropropane	0.271	0.247	8.9	112	0.00	13.05
95		Cyclohexanone	0.085	0.079	7.1	104	0.01	13.13
96		4-Chlorotoluene	1.552	1.533	1.2	118	0.00	13.19
97		tert-Butylbenzene	1.030	1.014	1.6	119	0.00	13.36
98		1,2,4-Trimethylbenzene	1.742	1.777	-2.0	119	0.00	13.43
99		Pentachloroethane	0.338	0.320	5.3	112	0.00	13.41
100		sec-Butylbenzene	2.139	2.187	-2.2	121	0.00	13.55
101		4-Isopropyltoluene	1.777	1.845	-3.8	119	0.00	13.68
102		1,3-Dichlorobenzene	0.976	0.998	-2.3	120	0.00	13.81
103		1,2,3-Trimethylbenzene	1.809	1.831	-1.2	122	0.00	13.90
104		1,4-Dichlorobenzene	1.064	1.005	5.5	115	0.00	13.90
105		n-Butylbenzene	1.011	0.963	4.7	109	0.00	14.12
		----------	Amount	Calc.	%Drift	----------		
106		Benzyl Chloride	40.000	32.087	19.8	83	0.00	14.13
		----------	AvgRF	CCRF	%Dev	----------		
107		1,2-Dichlorobenzene	0.966	0.948	1.9	117	0.00	14.33
108		1,2-Dibromo-3-Chloropropa	0.252	0.227	9.9	107	0.00	15.09
109		Hexachlorobutadiene	0.295	0.261	11.5	105	0.00	15.65
110		1,2,4-Trichlorobenzene	0.635	0.595	6.3	109	0.00	15.69
111		Naphthalene	2.140	2.002	6.4	108	0.00	15.97
112		1,2,3-Trichlorobenzene	0.638	0.572	10.3	108	0.00	16.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I750994.D 2022-08-30APP9-I.m Tue Aug 30 17:15:04 2022

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2679-ICV2679
Lab FileID: I750999.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2022-08-30\I750999.D Vial: 11
Acq On : 30 Aug 2022 2:56 pm Operator: adelardl
Sample : ICV2679-4 Inst : MSVOA16
Misc : MS52156,VI2679,,,,, Multiplr: 1.00
MS Integration Params: tiny.p

Method : C:\msdchem\1\met...22-08-30APP9-I.m (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 14:28:13 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	116	0.00	8.34
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane	25.000	24.347	2.6	116	0.00	2.39
			AvgRF	CCRF	%Dev			
3	P	Chloromethane			NA			
4	C	Vinyl Chloride			NA			
			Amount	Calc.	%Drift			
5		1,3-Butadiene			NA			
6		Bromomethane			NA			
7		Chloroethane			NA			
8		Trichlorofluoromethane			NA			
			AvgRF	CCRF	%Dev			
9		Ethyl Ether			NA			
10		1,2-Dichlorotrifluoroetha			NA			
11	C	1,1-Dichloroethene			NA			
12		Ethanol	0.010	0.009	10.0	99	0.00	4.56
13		Freon 113			NA			
14		Carbon Disulfide			NA			
			Amount	Calc.	%Drift			
15		Iodomethane	25.000	20.049	19.8	94	0.00	4.75
16		Acrolein			NA			
			AvgRF	CCRF	%Dev			
17		Allyl chloride			NA			
			Amount	Calc.	%Drift			
18		Methylene Chloride			NA			
			AvgRF	CCRF	%Dev			
19		Acetone			NA			
20		Methyl acetate			NA			
21		trans-1,2-Dichloroethene			NA			
22		Hexane			NA			
23		Methyl Tert Butyl Ether			NA			
24		Tert butyl alcohol	0.106	0.100	5.7	105	-0.01	5.81
25		Acetonitrile	0.065	0.058	10.8	107	0.00	5.96
26		Di-isopropyl ether			NA			

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2679-ICV2679
Lab FileID: I750999.D

27		Chloroprene			NA				
28	P	1,1-Dichloroethane			NA				
29		Acrylonitrile			NA				
30		ETBE			NA				
			Amount	Calc.	%Drift				
31		Vinyl acetate			NA				
			AvgRF	CCRF	%Dev				
32		cis-1,2-Dichloroethene			NA				
33		2,2-Dichloropropane			NA				
34		Bromochloromethane			NA				
35		Cyclohexane			NA				
36	C	Chloroform			NA				
37		Ethyl acetate			NA				
38		Tetrahydrofuran			NA				
39	S	Dibromofluoromethane			NA				
40		Carbon Tetrachloride			NA				
41		1,1,1-Trichloroethane			NA				
			Amount	Calc.	%Drift				
42		2-Butanone			NA				
			AvgRF	CCRF	%Dev				
43		1,1-Dichloropropene			NA				
			Amount	Calc.	%Drift				
44		tert-Butyl Formate			NA				
			AvgRF	CCRF	%Dev				
45		Propionitrile			NA				
46		Methacrylonitrile			NA				
47		Benzene			NA				
48		TAME			NA				
49	S	1,2-Dichloroethane-d4	0.313	0.318	-1.6	116	0.00	8.04	
50		Isobutyl alcohol			NA				
51		1,2-Dichloroethane			NA				
52		Tert Amyl Alcohol			NA				
53		Trichloroethene			NA				
54		Methylcyclohexane			NA				
55		Dibromomethane			NA				
56	C	1,2-Dichloropropane			NA				
57		Bromodichloromethane			NA				
58		Methyl methacrylate			NA				
			Amount	Calc.	%Drift				
59		1,4-Dioxane			NA				
60		2-Chloroethyl vinyl ether			NA				
			AvgRF	CCRF	%Dev				
61		cis-1,3-Dichloropropene			NA				
62	I	Chlorobenzene-d5	1.000	1.000	0.0	115	0.00	11.51	
63	S	Toluene-d8	1.363	1.377	-1.0	115	0.00	9.95	
64	C	Toluene			NA				
65		2-Nitropropane			NA				
66		4-Methyl-2-pentanone			NA				
67		trans-1,3-Dichloropropene			NA				
68		Tetrachloroethene			NA				
69		Ethyl methacrylate			NA				

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VI2679-ICV2679
Lab FileID: I750999.D

70		1,1,2-Trichloroethane		----------NA----------					
71		Dibromochloromethane		----------NA----------					
72		1,3-Dichloropropane		----------NA----------					
73		1,2-Dibromoethane		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			
74		3,3-dimethyl-1-butanol		----------NA----------					
75		2-hexanone		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
76		1-Chlorohexane		----------NA----------					
77	C	Ethylbenzene		----------NA----------					
78	P	Chlorobenzene		----------NA----------					
79		1,1,1,2-Tetrachloroethane		----------NA----------					
80		m,p-Xylene		----------NA----------					
81		o-Xylene		----------NA----------					
82		Styrene		----------NA----------					
83	P	Bromoform		----------NA----------					
84		Isopropylbenzene		----------NA----------					
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00	13.88	
86	S	4-Bromofluorobenzene	0.831	0.839	-1.0	114	0.00	12.73	
87		cis-1,4-Dichloro-2-butene		----------NA----------					
88		n-Propylbenzene		----------NA----------					
89		Bromobenzene		----------NA----------					
90	P	1,1,2,2-Tetrachloroethane		----------NA----------					
91		1,3,5-Trimethylbenzene		----------NA----------					
92		2-Chlorotoluene		----------NA----------					
93		trans-1,4-Dichloro-2-Bute		----------NA----------					
94		1,2,3-Trichloropropane		----------NA----------					
95		Cyclohexanone		----------NA----------					
96		4-Chlorotoluene		----------NA----------					
97		tert-Butylbenzene		----------NA----------					
98		1,2,4-Trimethylbenzene		----------NA----------					
99		Pentachloroethane		----------NA----------					
100		sec-Butylbenzene		----------NA----------					
101		4-Isopropyltoluene		----------NA----------					
102		1,3-Dichlorobenzene		----------NA----------					
103		1,2,3-Trimethylbenzene		----------NA----------					
104		1,4-Dichlorobenzene		----------NA----------					
105		n-Butylbenzene		----------NA----------					
		----------	Amount	Calc.	%Drift	----------			
106		Benzyl Chloride		----------NA----------					
		----------	AvgRF	CCRF	%Dev	----------			
107		1,2-Dichlorobenzene		----------NA----------					
108		1,2-Dibromo-3-Chloropropa		----------NA----------					
109		Hexachlorobutadiene		----------NA----------					
110		1,2,4-Trichlorobenzene		----------NA----------					
111		Naphthalene		----------NA----------					
112		1,2,3-Trichlorobenzene		----------NA----------					

(#) = Out of Range SPCC's out = 5 CCC's out = 6
I750993.D 2022-08-30APP9-I.m Tue Aug 30 17:15:40 2022

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2680-CC2679
Lab FileID: I751016.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2022-08-31\I751016.D Vial: 2
Acq On : 31 Aug 2022 1:40 pm Operator: KarenW
Sample : CC2679-5 Inst : MSVOA16
Misc : MS52297,VI2680,,,,, Multiplr: 1.00
MS Integration Params: tiny.p

Method : C:\msdchem\1\met...22-08-30APP9-I.m (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 14:28:13 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00	8.34
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane	40.000	42.574	-6.4	106	0.00	2.39
			AvgRF	CCRF	%Dev			
3	P	Chloromethane	0.292	0.276	5.5	95	0.00	2.71
4	C	Vinyl Chloride	0.264	0.260	1.5	97	0.00	2.85
			Amount	Calc.	%Drift			
5		1,3-Butadiene	40.000	36.719	8.2	93	0.00	2.90
6		Bromomethane	40.000	40.447	-1.1	102	0.00	3.39
7		Chloroethane	40.000	37.397	6.5	97	0.00	3.58
8		Trichlorofluoromethane	40.000	43.786	-9.5	102	0.00	3.79
			AvgRF	CCRF	%Dev			
9		Ethyl Ether	0.187	0.177	5.3	96	0.00	4.31
10		1,2-Dichlorotrifluoroetha	0.218	0.199	8.7	91	0.00	4.56
11	C	1,1-Dichloroethene	0.313	0.294	6.1	93	0.00	4.56
12		Ethanol	0.010	0.011	-10.0	97	0.00	4.55
13		Freon 113	0.174	0.184	-5.7	104	0.00	4.62
14		Carbon Disulfide	0.544	0.507	6.8	94	0.00	4.60
			Amount	Calc.	%Drift			
15		Iodomethane	40.000	37.898	5.3	90	0.00	4.75
16		Acrolein	200.000	199.989	0.0	97	0.00	5.01
			AvgRF	CCRF	%Dev			
17		Allyl chloride	0.275	0.246	10.5	93	0.00	5.20
			Amount	Calc.	%Drift			
18		Methylene Chloride	40.000	33.961	15.1	95	0.00	5.34
			AvgRF	CCRF	%Dev			
19		Acetone	0.159	0.159	0.0	94	0.00	5.40
20		Methyl acetate	0.306	0.322	-5.2	99	0.00	5.56
21		trans-1,2-Dichloroethene	0.288	0.273	5.2	91	0.00	5.56
22		Hexane	0.137	0.162	-18.2	124	0.00	5.65
23		Methyl Tert Butyl Ether	0.527	0.515	2.3	96	0.00	5.69
24		Tert butyl alcohol	0.106	0.112	-5.7	98	0.00	5.82
25		Acetonitrile	0.065	0.065	0.0	96	0.00	5.96
26		Di-isopropyl ether	0.654	0.642	1.8	94	0.00	6.15

Continuing Calibration Summary

Job Number: FA98456 **Sample:** VI2680-CC2679
Account: BHATALB Bhate Environmental **Lab FileID:** I751016.D
Project: Griffiss AFB; Rome, NY

27		Chloroprene		0.059	0.051	13.6	84	0.00	6.28
28	P	1,1-Dichloroethane		0.362	0.341	5.8	92	0.00	6.30
29		Acrylonitrile		0.157	0.164	-4.5	97	0.00	6.34
30		ETBE		0.661	0.644	2.6	94	0.00	6.59
			Amount	Calc.		%Drift			
31		Vinyl acetate		200.000	195.222	2.4	93	0.00	6.58
			AvgRF	CCRF		%Dev			
32		cis-1,2-Dichloroethene		0.188	0.178	5.3	91	0.00	6.95
33		2,2-Dichloropropane		0.298	0.283	5.0	92	0.00	7.06
34		Bromochloromethane		0.083	0.086	-3.6	95	0.00	7.18
35		Cyclohexane		0.340	0.356	-4.7	99	0.00	7.20
36	C	Chloroform		0.343	0.336	2.0	92	0.00	7.25
37		Ethyl acetate		0.420	0.419	0.2	96	0.00	7.36
38		Tetrahydrofuran		0.191	0.191	0.0	100	0.00	7.45
39	S	Dibromofluoromethane		0.276	0.278	-0.7	99	0.00	7.45
40		Carbon Tetrachloride		0.262	0.247	5.7	91	0.00	7.43
41		1,1,1-Trichloroethane		0.304	0.285	6.3	92	0.00	7.49
			Amount	Calc.		%Drift			
42		2-Butanone		200.000	198.093	1.0	95	0.00	7.57
			AvgRF	CCRF		%Dev			
43		1,1-Dichloropropene		0.255	0.246	3.5	92	0.00	7.63
			Amount	Calc.		%Drift			
44		tert-Butyl Formate		200.000	199.339	0.3	96	0.00	7.73
			AvgRF	CCRF		%Dev			
45		Propionitrile		0.080	0.083	-3.8	97	0.00	7.89
46		Methacrylonitrile		0.235	0.223	5.1	95	0.00	7.91
47		Benzene		0.728	0.686	5.8	91	0.00	7.90
48		TAME		0.535	0.514	3.9	93	0.00	8.01
49	S	1,2-Dichloroethane-d4		0.313	0.309	1.3	98	0.00	8.04
50		Isobutyl alcohol		0.024	0.026	-8.3	98	0.00	8.09
51		1,2-Dichloroethane		0.281	0.271	3.6	94	0.00	8.11
52		Tert Amyl Alcohol		0.093	0.099	-6.5	99	0.00	8.20
53		Trichloroethene		0.199	0.187	6.0	92	0.00	8.53
54		Methylcyclohexane		0.261	0.276	-5.7	100	0.00	8.54
55		Dibromomethane		0.123	0.117	4.9	90	0.00	8.97
56	C	1,2-Dichloropropane		0.208	0.199	4.3	91	0.00	9.06
57		Bromodichloromethane		0.250	0.237	5.2	92	0.00	9.12
58		Methyl methacrylate		0.260	0.249	4.2	93	0.00	9.24
			Amount	Calc.		%Drift			
59		1,4-Dioxane		800.000	818.736	-2.3	97	0.00	9.32
60		2-Chloroethyl vinyl ether		200.000	195.798	2.1	95	0.00	9.66
			AvgRF	CCRF		%Dev			
61		cis-1,3-Dichloropropene		0.286	0.281	1.7	93	0.00	9.76
62	I	Chlorobenzene-d5		1.000	1.000	0.0	101	0.00	11.51
63	S	Toluene-d8		1.363	1.369	-0.4	100	0.00	9.95
64	C	Toluene		1.059	0.976	7.8	90	0.00	10.00
65		2-Nitropropane		0.150	0.159	-6.0	99	0.00	10.20
66		4-Methyl-2-pentanone		0.573	0.580	-1.2	93	0.00	10.33
67		trans-1,3-Dichloropropene		0.329	0.324	1.5	92	0.00	10.40
68		Tetrachloroethene		0.299	0.274	8.4	89	0.00	10.41
69		Ethyl methacrylate		0.367	0.361	1.6	92	0.00	10.52

Continuing Calibration Summary

Job Number: FA98456 **Sample:** VI2680-CC2679
Account: BHATALB Bhate Environmental **Lab FileID:** I751016.D
Project: Griffiss AFB; Rome, NY

70		1,1,2-Trichloroethane	0.205	0.196	4.4	91	0.00	10.57
71		Dibromochloromethane	0.269	0.265	1.5	93	0.00	10.76
72		1,3-Dichloropropane	0.410	0.392	4.4	93	0.00	10.85
73		1,2-Dibromoethane	0.258	0.254	1.6	93	0.00	11.02
		----------	Amount	Calc.	%Drift	----------		
74		3,3-dimethyl-1-butanol	2000.000	2266.895	-13.3	109	0.00	11.13
75		2-hexanone	200.000	192.038	4.0	93	0.00	11.16
		----------	AvgRF	CCRF	%Dev	----------		
76		1-Chlorohexane	0.333	0.317	4.8	90	0.00	11.47
77	C	Ethylbenzene	1.194	1.096	8.2	91	0.00	11.54
78	P	Chlorobenzene	0.674	0.620	8.0	91	0.00	11.53
79		1,1,1,2-Tetrachloroethane	0.252	0.234	7.1	91	0.00	11.58
80		m,p-Xylene	0.893	0.844	5.5	90	0.00	11.68
81		o-Xylene	0.887	0.839	5.4	90	0.00	12.12
82		Styrene	0.641	0.629	1.9	91	0.00	12.16
83	P	Bromoform	0.197	0.197	0.0	92	0.00	12.22
84		Isopropylbenzene	1.090	1.035	5.0	90	0.00	12.42
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	13.88
86	S	4-Bromofluorobenzene	0.831	0.823	1.0	101	0.00	12.73
87		cis-1,4-Dichloro-2-butene	0.334	0.296	11.4	87	0.00	12.77
88		n-Propylbenzene	2.596	2.379	8.4	90	0.00	12.84
89		Bromobenzene	0.569	0.521	8.4	91	0.00	12.85
90	P	1,1,2,2-Tetrachloroethane	0.843	0.778	7.7	93	0.00	12.90
91		1,3,5-Trimethylbenzene	1.809	1.680	7.1	91	0.00	13.02
92		2-Chlorotoluene	1.714	1.567	8.6	92	0.00	13.02
93		trans-1,4-Dichloro-2-Bute	0.320	0.301	5.9	91	0.00	13.08
94		1,2,3-Trichloropropane	0.271	0.254	6.3	95	0.00	13.05
95		Cyclohexanone	0.085	0.096	-12.9	105	0.00	13.11
96		4-Chlorotoluene	1.552	1.410	9.1	91	0.00	13.19
97		tert-Butylbenzene	1.030	0.933	9.4	91	0.00	13.36
98		1,2,4-Trimethylbenzene	1.742	1.620	7.0	90	0.00	13.43
99		Pentachloroethane	0.338	0.305	9.8	89	0.00	13.41
100		sec-Butylbenzene	2.139	1.948	8.9	89	0.00	13.55
101		4-Isopropyltoluene	1.777	1.675	5.7	90	0.00	13.68
102		1,3-Dichlorobenzene	0.976	0.917	6.0	92	0.00	13.81
103		1,2,3-Trimethylbenzene	1.809	1.648	8.9	91	0.00	13.89
104		1,4-Dichlorobenzene	1.064	0.948	10.9	90	0.00	13.90
105		n-Butylbenzene	1.011	0.968	4.3	91	0.00	14.12
		----------	Amount	Calc.	%Drift	----------		
106		Benzyl Chloride	40.000	41.442	-3.6	93	0.00	14.13
		----------	AvgRF	CCRF	%Dev	----------		
107		1,2-Dichlorobenzene	0.966	0.894	7.5	91	0.00	14.33
108		1,2-Dibromo-3-Chloropropa	0.252	0.246	2.4	96	0.00	15.09
109		Hexachlorobutadiene	0.295	0.272	7.8	91	0.00	15.65
110		1,2,4-Trichlorobenzene	0.635	0.602	5.2	92	0.00	15.69
111		Naphthalene	2.140	2.078	2.9	93	0.00	15.97
112		1,2,3-Trichlorobenzene	0.638	0.602	5.6	94	0.00	16.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I750994.D 2022-08-30APP9-I.m Thu Sep 01 08:39:17 2022

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2680-ECC2679
Lab FileID: I751042.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2022-08-31\I751042.D Vial: 28
Acq On : 1 Sep 2022 12:36 am Operator: KarenW
Sample : ECC2679-5 Inst : MSVOA16
Misc : MS52303,VI2680,,,,, Multiplr: 1.00
MS Integration Params: tiny.p

Method : C:\msdchem\1\met...22-08-30APP9-I.m (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 14:28:13 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	99	0.00	8.34
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane	40.000	42.172	-5.4	104	0.00	2.39
			AvgRF	CCRF	%Dev			
3	P	Chloromethane	0.292	0.268	8.2	91	0.00	2.71
4	C	Vinyl Chloride	0.264	0.252	4.5	93	0.00	2.86
			Amount	Calc.	%Drift			
5		1,3-Butadiene	40.000	48.350	-20.9	118	0.00	2.90
6		Bromomethane	40.000	22.332	44.2	57	0.00	3.39
7		Chloroethane	40.000	36.865	7.8	95	0.00	3.59
8		Trichlorofluoromethane	40.000	42.284	-5.7	98	0.00	3.80
			AvgRF	CCRF	%Dev			
9		Ethyl Ether	0.187	0.183	2.1	98	0.00	4.31
10		1,2-Dichlorotrifluoroetha	0.218	0.207	5.0	94	0.00	4.56
11	C	1,1-Dichloroethene	0.313	0.305	2.6	96	0.00	4.56
12		Ethanol	0.010	0.011	-10.0	94	0.00	4.56
13		Freon 113	0.174	0.185	-6.3	104	0.00	4.62
14		Carbon Disulfide	0.544	0.516	5.1	95	0.00	4.60
			Amount	Calc.	%Drift			
15		Iodomethane	40.000	34.514	13.7	81	0.00	4.75
16		Acrolein	200.000	181.386	9.3	87	0.00	5.02
			AvgRF	CCRF	%Dev			
17		Allyl chloride	0.275	0.232	15.6	87	0.00	5.20
			Amount	Calc.	%Drift			
18		Methylene Chloride	40.000	34.859	12.9	96	0.00	5.34
			AvgRF	CCRF	%Dev			
19		Acetone	0.159	0.166	-4.4	98	0.00	5.40
20		Methyl acetate	0.306	0.335	-9.5	102	0.00	5.56
21		trans-1,2-Dichloroethene	0.288	0.283	1.7	94	0.00	5.56
22		Hexane	0.137	0.148	-8.0	112	0.00	5.66
23		Methyl Tert Butyl Ether	0.527	0.536	-1.7	99	0.00	5.70
24		Tert butyl alcohol	0.106	0.114	-7.5	100	0.00	5.82
25		Acetonitrile	0.065	0.066	-1.5	97	0.00	5.96
26		Di-isopropyl ether	0.654	0.666	-1.8	97	0.00	6.15

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VI2680-ECC2679
Lab FileID: I751042.D

27		Chloroprene	0.059	0.053	10.2	86	0.00	6.29
28	P	1,1-Dichloroethane	0.362	0.359	0.8	96	0.00	6.30
29		Acrylonitrile	0.157	0.166	-5.7	97	0.00	6.34
30		ETBE	0.661	0.666	-0.8	96	0.00	6.59
			Amount	Calc.	%Drift			
31		Vinyl acetate	200.000	199.467	0.3	94	0.00	6.58
			AvgRF	CCRF	%Dev			
32		cis-1,2-Dichloroethene	0.188	0.186	1.1	94	0.00	6.95
33		2,2-Dichloropropane	0.298	0.219	26.5	71	0.00	7.07
34		Bromochloromethane	0.083	0.088	-6.0	97	0.00	7.18
35		Cyclohexane	0.340	0.372	-9.4	103	0.00	7.20
36	C	Chloroform	0.343	0.347	-1.2	94	0.00	7.25
37		Ethyl acetate	0.420	0.427	-1.7	97	0.00	7.36
38		Tetrahydrofuran	0.191	0.195	-2.1	102	0.00	7.45
39	S	Dibromofluoromethane	0.276	0.276	0.0	97	0.00	7.46
40		Carbon Tetrachloride	0.262	0.256	2.3	93	0.00	7.43
41		1,1,1-Trichloroethane	0.304	0.298	2.0	95	0.00	7.50
			Amount	Calc.	%Drift			
42		2-Butanone	200.000	203.723	-1.9	97	0.00	7.57
			AvgRF	CCRF	%Dev			
43		1,1-Dichloropropene	0.255	0.250	2.0	93	0.00	7.63
			Amount	Calc.	%Drift			
44		tert-Butyl Formate	200.000	194.137	2.9	92	0.00	7.73
			AvgRF	CCRF	%Dev			
45		Propionitrile	0.080	0.083	-3.8	96	0.00	7.89
46		Methacrylonitrile	0.235	0.227	3.4	95	0.00	7.91
47		Benzene	0.728	0.718	1.4	95	0.00	7.90
48		TAME	0.535	0.537	-0.4	97	0.00	8.01
49	S	1,2-Dichloroethane-d4	0.313	0.303	3.2	95	0.00	8.04
50		Isobutyl alcohol	0.024	0.025	-4.2	93	0.00	8.09
51		1,2-Dichloroethane	0.281	0.285	-1.4	98	0.00	8.12
52		Tert Amyl Alcohol	0.093	0.098	-5.4	98	0.00	8.20
53		Trichloroethene	0.199	0.194	2.5	95	0.00	8.53
54		Methylcyclohexane	0.261	0.279	-6.9	101	0.00	8.54
55		Dibromomethane	0.123	0.125	-1.6	96	0.00	8.98
56	C	1,2-Dichloropropane	0.208	0.206	1.0	94	0.00	9.06
57		Bromodichloromethane	0.250	0.244	2.4	94	0.00	9.12
58		Methyl methacrylate	0.260	0.257	1.2	95	0.00	9.24
			Amount	Calc.	%Drift			
59		1,4-Dioxane	800.000	836.980	-4.6	98	0.00	9.32
60		2-Chloroethyl vinyl ether	200.000	194.219	2.9	93	0.00	9.66
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.286	0.275	3.8	90	0.00	9.76
62	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00	11.51
63	S	Toluene-d8	1.363	1.385	-1.6	99	0.00	9.95
64	C	Toluene	1.059	1.035	2.3	94	0.00	10.01
65		2-Nitropropane	0.150	0.155	-3.3	94	0.00	10.21
66		4-Methyl-2-pentanone	0.573	0.617	-7.7	97	0.00	10.34
67		trans-1,3-Dichloropropene	0.329	0.328	0.3	91	0.00	10.40
68		Tetrachloroethene	0.299	0.310	-3.7	99	0.00	10.41
69		Ethyl methacrylate	0.367	0.376	-2.5	93	0.00	10.52

Continuing Calibration Summary

Job Number: FA98456 **Sample:** VI2680-ECC2679
Account: BHATALB Bhate Environmental **Lab FileID:** I751042.D
Project: Griffiss AFB; Rome, NY

70		1,1,2-Trichloroethane	0.205	0.214	-4.4	97	0.00	10.57
71		Dibromochloromethane	0.269	0.271	-0.7	93	0.00	10.76
72		1,3-Dichloropropane	0.410	0.417	-1.7	97	0.00	10.85
73		1,2-Dibromoethane	0.258	0.271	-5.0	97	0.00	11.02
		----------	Amount	Calc.	%Drift	----------		
74		3,3-dimethyl-1-butanol	2000.000	2222.270	-11.1	104	0.00	11.13
75		2-hexanone	200.000	203.343	-1.7	96	0.00	11.16
		----------	AvgRF	CCRF	%Dev	----------		
76		1-Chlorohexane	0.333	0.322	3.3	89	0.00	11.48
77	C	Ethylbenzene	1.194	1.145	4.1	93	0.00	11.54
78	P	Chlorobenzene	0.674	0.657	2.5	95	0.00	11.53
79		1,1,1,2-Tetrachloroethane	0.252	0.250	0.8	95	0.00	11.58
80		m,p-Xylene	0.893	0.881	1.3	92	0.00	11.68
81		o-Xylene	0.887	0.881	0.7	93	0.00	12.12
82		Styrene	0.641	0.664	-3.6	94	0.00	12.16
83	P	Bromoform	0.197	0.201	-2.0	92	0.00	12.22
84		Isopropylbenzene	1.090	1.077	1.2	91	0.00	12.42
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00	13.88
86	S	4-Bromofluorobenzene	0.831	0.815	1.9	96	0.00	12.73
87		cis-1,4-Dichloro-2-butene	0.334	0.207	38.0	58	0.00	12.77
88		n-Propylbenzene	2.596	2.506	3.5	92	0.00	12.84
89		Bromobenzene	0.569	0.551	3.2	93	0.00	12.85
90	P	1,1,2,2-Tetrachloroethane	0.843	0.852	-1.1	98	0.00	12.90
91		1,3,5-Trimethylbenzene	1.809	1.756	2.9	91	0.00	13.02
92		2-Chlorotoluene	1.714	1.700	0.8	96	0.00	13.02
93		trans-1,4-Dichloro-2-Bute	0.320	0.222	30.6	65	0.00	13.08
94		1,2,3-Trichloropropane	0.271	0.272	-0.4	99	0.00	13.05
95		Cyclohexanone	0.085	0.096	-12.9	101	0.00	13.12
96		4-Chlorotoluene	1.552	1.476	4.9	91	0.00	13.19
97		tert-Butylbenzene	1.030	0.987	4.2	93	0.00	13.36
98		1,2,4-Trimethylbenzene	1.742	1.720	1.3	92	0.00	13.43
99		Pentachloroethane	0.338	0.282	16.6	79	0.00	13.41
100		sec-Butylbenzene	2.139	2.038	4.7	90	0.00	13.55
101		4-Isopropyltoluene	1.777	1.739	2.1	90	0.00	13.68
102		1,3-Dichlorobenzene	0.976	0.959	1.7	92	0.00	13.81
103		1,2,3-Trimethylbenzene	1.809	1.742	3.7	93	0.00	13.89
104		1,4-Dichlorobenzene	1.064	1.007	5.4	93	0.00	13.90
105		n-Butylbenzene	1.011	0.953	5.7	86	0.00	14.12
		----------	Amount	Calc.	%Drift	----------		
106		Benzyl Chloride	40.000	29.326	26.7	60	0.00	14.13
		----------	AvgRF	CCRF	%Dev	----------		
107		1,2-Dichlorobenzene	0.966	0.937	3.0	92	0.00	14.33
108		1,2-Dibromo-3-Chloropropa	0.252	0.252	0.0	95	0.00	15.08
109		Hexachlorobutadiene	0.295	0.279	5.4	90	0.00	15.65
110		1,2,4-Trichlorobenzene	0.635	0.622	2.0	91	0.00	15.69
111		Naphthalene	2.140	2.233	-4.3	97	0.00	15.97
112		1,2,3-Trichlorobenzene	0.638	0.628	1.6	95	0.00	16.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I750994.D 2022-08-30APP9-I.m Thu Sep 01 08:39:51 2022

Initial Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICC2796
Lab FileID: O70546.D

Response Factor Report MSVOA12

Method : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Calibration Files
1 =O70542.D 2 =O70543.D 3 =O70544.D 4 =O70545.D
5 =O70546.D 6 =O70547.D 7 =O70548.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	----------ISTD----------								
2) Dichlorodifluorom	0.309	0.241	0.184	0.169	0.174	0.169	0.183	0.204	25.83
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9967									
Response Ratio = 0.00000 + 0.17887 *A + -0.00067 *A^2									
3)P Chloromethane	0.273	0.243	0.207	0.198	0.193	0.187	0.199	0.214	14.80
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9983									
Response Ratio = 0.00000 + 0.20098 *A + -0.00341 *A^2									
4) 1,3-butadiene	0.246	0.279	0.153	0.176	0.194	0.175	0.184	0.201	22.25
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9918									
Response Ratio = 0.00000 + 0.18897 *A + -0.00409 *A^2									
5)C Vinyl Chloride	0.292	0.272	0.236	0.219	0.219	0.211	0.225	0.239	12.93
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9982									
Response Ratio = 0.00000 + 0.22495 *A + -0.00276 *A^2									
6) Bromomethane	0.155	0.123	0.122	0.109	0.109	0.105	0.111	0.119	14.62
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987									
Response Ratio = 0.00000 + 0.11198 *A + -0.00169 *A^2									
7) Chloroethane	0.156	0.171	0.151	0.141	0.144	0.131	0.102	0.142	15.42
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9972									
Response Ratio = 0.00000 + 0.16539 *A + -0.03016 *A^2									
8) Trichlorofluorome	0.435	0.403	0.343	0.313	0.324	0.318	0.346	0.355	13.09
9) Ethyl Ether	0.193	0.141	0.162	0.148	0.148	0.157	0.156	0.158	10.70
10) Ethanol		0.002	0.001	0.002	0.002	0.002	0.002	0.002	14.86
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9955									
Response Ratio = 0.00000 + 0.00171 *A + 0.00000 *A^2									
11) 1,2-Dichlorotrifl	0.262	0.184	0.190	0.189	0.194	0.203	0.204	0.204	13.16
12)C 1,1-Dichloroethen	0.355	0.250	0.270	0.265	0.278	0.291	0.293	0.286	11.87
13) Freon 113	0.290	0.179	0.176	0.169	0.188	0.190	0.194	0.198	21.10
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989									
Response Ratio = 0.00000 + 0.17593 *A + 0.00933 *A^2									
14) Carbon Disulfide	0.750	0.460	0.488	0.493	0.530	0.559	0.565	0.549	17.59
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990									
Response Ratio = 0.00000 + 0.49286 *A + 0.03867 *A^2									
15) Iodomethane	0.055	0.056	0.066	0.103	0.134	0.171	0.174	0.108	48.16
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9922									
Response Ratio = 0.00000 + 0.08560 *A + 0.04880 *A^2									
16) Acrolein	0.034	0.044	0.041	0.036	0.035	0.039	0.041	0.039	9.66

Initial Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VO2796-ICC2796
Lab FileID: O70546.D

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17)  Allyl chloride    0.225 0.303 0.179 0.229 0.249 0.241 0.251 0.240  15.44
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
              Response Ratio = 0.00000 + 0.22918 *A + 0.01090 *A^2

18)  Methylene Chlorid 1.207 0.389 0.299 0.266 0.256 0.262 0.257 0.419  83.60
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9974
              Response Ratio = 0.00000 + 0.26700 *A

19)  Acetone           0.078 0.071 0.070 0.052 0.054 0.058 0.061 0.063  15.29
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9953
              Response Ratio = 0.00000 + 0.05642 *A + 0.00032 *A^2

20)  Methyl acetate    0.161 0.134 0.152 0.145 0.140 0.151 0.157 0.149   6.27
21)  trans-1,2-Dichlor 0.353 0.253 0.271 0.271 0.275 0.287 0.287 0.285  11.30
22)  Hexane            0.173 0.098 0.110 0.104 0.117 0.122 0.121 0.121  20.54
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9980
              Response Ratio = 0.00000 + 0.10883 *A + 0.00687 *A^2

23)  Methyl Tert Butyl 0.572 0.453 0.506 0.473 0.469 0.498 0.507 0.497   7.83
24)  Tert Butyl Alcoho 0.022 0.017 0.018 0.017 0.016 0.018 0.019 0.018  11.38
25)  Acetonitrile      0.028 0.036 0.020 0.024 0.026 0.024 0.025 0.026  18.28
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9938
              Response Ratio = 0.00000 + 0.02483 *A + 0.00001 *A^2

26)  Di-isopropyl ethe 0.673 0.532 0.575 0.563 0.555 0.592 0.596 0.584   7.74
27)  Chloroprene       0.039 0.067 0.039 0.049 0.055 0.053 0.057 0.052  19.56
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9947
              Response Ratio = 0.00000 + 0.04894 *A + 0.00394 *A^2

28)P 1,1-Dichloroethan 0.425 0.322 0.340 0.337 0.337 0.352 0.352 0.352   9.58
29)  Acrylonitrile     0.071 0.057 0.054 0.061 0.067 0.065 0.067 0.063   9.72
30)  ETBE              0.630 0.503 0.557 0.546 0.543 0.589 0.594 0.566   7.31
31)  Vinyl acetate     0.401 0.320 0.323 0.380 0.436 0.425 0.434 0.388  12.78
32)  cis-1,2-Dichloroe 0.296 0.195 0.203 0.198 0.199 0.208 0.207 0.215  16.70
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
              Response Ratio = 0.00000 + 0.19915 *A + 0.00432 *A^2

33)  2,2-Dichloropropa 0.338 0.236 0.254 0.254 0.274 0.287 0.290 0.276  12.07
34)  Bromochloromethan 0.159 0.110 0.118 0.109 0.110 0.116 0.114 0.119  14.90
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9994
              Response Ratio = 0.00000 + 0.11150 *A + 0.00148 *A^2

35)  Cyclohexane       0.387 0.273 0.281 0.279 0.298 0.315 0.325 0.308  12.88
36)C Chloroform        0.471 0.344 0.365 0.354 0.349 0.364 0.365 0.373  11.78
37)  Ethyl acetate     0.211 0.176 0.160 0.182 0.201 0.195 0.204 0.190   9.55
38)  Tetrahydrofuran   0.099 0.067 0.064 0.059 0.056 0.059 0.062 0.067  21.94
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
              Response Ratio = 0.00000 + 0.05924 *A + 0.00068 *A^2

39)S Dibromofluorometh 0.272 0.278 0.282 0.286 0.285 0.286 0.286 0.282   1.90
40)  Carbon Tetrachlor 0.350 0.242 0.263 0.266 0.286 0.298 0.302 0.287  12.25
41)  1,1,1-Trichloroet 0.401 0.295 0.311 0.310 0.324 0.334 0.336 0.330  10.45
42)  2-Butanone        0.093 0.105 0.109 0.082 0.085 0.092 0.098 0.095  10.39
43)  1,1-Dichloroprope 0.348 0.240 0.256 0.253 0.265 0.272 0.273 0.272  12.94
44)  tert-Butyl format 0.115 0.139 0.136 0.122 0.122 0.140 0.145 0.131   8.67
45)  Propionitrile     0.029 0.043 0.025 0.031 0.032 0.031 0.033 0.032  17.49
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9947
              Response Ratio = 0.00000 + 0.03019 *A + 0.00014 *A^2

46)  Methacrylonitrile 0.149 0.194 0.116 0.144 0.148 0.143 0.148 0.149  15.45
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Initial Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICC2796
Lab FileID: O70546.D

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            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9955
              Response Ratio = 0.00000 + 0.14342 *A + 0.00017 *A^2

47)  Benzene           1.013 0.706 0.758 0.741 0.739 0.777 0.780 0.788  13.00
48)  TAME              0.556 0.442 0.484 0.472 0.466 0.499 0.504 0.489   7.46
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 0.46057 *A + 0.02266 *A^2

49)  Isobutyl alcohol  0.006 0.008 0.005 0.006 0.006 0.006 0.007 0.007  15.39
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9955
              Response Ratio = 0.00000 + 0.00613 *A + 0.00002 *A^2

50)S 1,2-Dichloroethan 0.291 0.297 0.305 0.290 0.286 0.287 0.277 0.290   3.11
51)  1,2-Dichloroethan 0.395 0.291 0.307 0.285 0.280 0.292 0.287 0.305  13.25
52)  Tert Amyl Alcohol 0.013 0.011 0.012 0.012 0.011 0.013 0.014 0.012   9.01
53)  Trichloroethene   0.302 0.192 0.210 0.206 0.211 0.219 0.220 0.223  16.22
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9994
              Response Ratio = 0.00000 + 0.20624 *A + 0.00707 *A^2

54)  Methylcyclohexane 0.346 0.226 0.232 0.232 0.255 0.266 0.278 0.262  16.02
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9993
              Response Ratio = 0.00000 + 0.23077 *A + 0.02402 *A^2

55)  Dibromomethane    0.170 0.120 0.131 0.128 0.124 0.132 0.131 0.134  12.45
56)C 1,2-Dichloropropa 0.227 0.174 0.195 0.187 0.189 0.199 0.199 0.196   8.33
57)  Bromodichlorometh 0.289 0.212 0.237 0.238 0.241 0.259 0.266 0.249   9.89
58)  Methyl methacryla 0.139 0.186 0.115 0.160 0.172 0.173 0.181 0.161  15.74
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9965
              Response Ratio = 0.00000 + 0.15138 *A + 0.01543 *A^2

59)  1,4-Dioxane       0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002  14.68
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9992
              Response Ratio = 0.00000 + 0.00174 *A + -0.00000 *A^2

60)  2-Chloroethyl vin 0.096 0.145 0.140 0.128 0.126 0.142 0.148 0.132  13.62
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
              Response Ratio = 0.00000 + 0.12469 *A + 0.00227 *A^2

61)  cis-1,3-Dichlorop 0.303 0.235 0.264 0.272 0.277 0.299 0.303 0.279   8.99

62) I   Chlorobenzene-d5      ----------------ISTD--------------------
63)S Toluene-d8        1.267 1.270 1.264 1.258 1.250 1.239 1.226 1.254   1.28
64)C Toluene           1.395 0.994 1.031 1.014 1.011 1.054 1.048 1.078  13.11
65)  2-Nitropropane    0.065 0.053 0.060 0.064 0.064 0.071 0.072 0.064  10.32
66)  4-Methyl-2-pentan 0.255 0.281 0.286 0.221 0.230 0.250 0.261 0.255   9.52
67)  trans-1,3-Dichlor 0.319 0.267 0.306 0.301 0.311 0.334 0.335 0.310   7.45
68)  Tetrachloroethene 0.416 0.299 0.298 0.303 0.303 0.315 0.316 0.321  13.18
69)  Ethyl methacrylat 0.224 0.356 0.211 0.292 0.311 0.308 0.320 0.289  18.18
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9957
              Response Ratio = 0.00000 + 0.27957 *A + 0.02105 *A^2

70)  1,1,2-Trichloroet 0.240 0.182 0.199 0.187 0.182 0.188 0.184 0.195  10.79
71)  Dibromochlorometh 0.294 0.233 0.256 0.260 0.265 0.285 0.287 0.269   7.94
72)  1,3-Dichloropropa 0.528 0.376 0.403 0.382 0.372 0.384 0.380 0.403  13.84
73)  1,2-Dibromoethane 0.308 0.220 0.252 0.240 0.236 0.247 0.245 0.250  11.06
74)  3,3-dimethyl-1-bu 0.014 0.018 0.019 0.017 0.016 0.020 0.022 0.018  13.43
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9975
              Response Ratio = 0.00000 + 0.01547 *A + 0.00006 *A^2

75)  2-hexanone        0.154 0.188 0.196 0.151 0.158 0.173 0.182 0.172  10.33
```

Initial Calibration Summary

Job Number: FA98456 **Sample:** VO2796-ICC2796
Account: BHATALB Bhate Environmental **Lab FileID:** O70546.D
Project: Griffiss AFB; Rome, NY

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 76)  1-Chlorohexane    0.328 0.265 0.279 0.279 0.291 0.311 0.313 0.295   7.75
 77)C Ethylbenzene      1.606 1.127 1.163 1.150 1.167 1.224 1.219 1.237  13.49
 78)P Chlorobenzene     0.959 0.677 0.707 0.693 0.682 0.716 0.718 0.736  13.51
 79)  1,1,1,2-Tetrachlo 0.283 0.225 0.250 0.249 0.248 0.265 0.265 0.255   7.12
 80)  m,p-Xylene        1.121 0.840 0.882 0.890 0.901 0.949 0.950 0.933   9.78
 81)  o-Xylene          1.094 0.805 0.856 0.865 0.869 0.913 0.910 0.902  10.21
 82)  Styrene           0.645 0.498 0.588 0.630 0.649 0.703 0.712 0.632  11.50
 83)P Bromoform         0.155 0.128 0.154 0.159 0.163 0.182 0.188 0.161  12.25
 84)  Isopropylbenzene  1.266 0.967 1.051 1.059 1.079 1.127 1.132 1.097   8.43

 85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
 86)S 4-Bromofluorobenz 0.808 0.806 0.810 0.794 0.800 0.795 0.791 0.801   0.94
 87)  cis-1,4-Dichloro- 0.141 0.198 0.123 0.168 0.185 0.187 0.200 0.172  17.22
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9966
               Response Ratio = 0.00000 + 0.15822 *A + 0.02111 *A^2

 88)  n-Propylbenzene   3.044 2.207 2.331 2.331 2.397 2.497 2.560 2.481  11.04
 89)  Bromobenzene      0.823 0.579 0.611 0.588 0.588 0.612 0.618 0.631  13.57
 90)P 1,1,2,2-Tetrachlo 0.734 0.588 0.628 0.597 0.581 0.605 0.616 0.621   8.42
 91)  1,3,5-Trimethylbe 1.975 1.563 1.665 1.697 1.751 1.844 1.899 1.771   8.10
 92)  2-Chlorotoluene   1.858 1.384 1.442 1.447 1.484 1.552 1.576 1.535  10.24
 93)  trans-1,4-Dichlor 0.128 0.138 0.163 0.162 0.163 0.174 0.182 0.159  12.10
 94)  1,2,3-Trichloropr 0.222 0.193 0.198 0.193 0.189 0.196 0.198 0.198   5.48
 95)  Cyclohexanone     0.021 0.013 0.015 0.015 0.015 0.014 0.015 0.015  15.74
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9991
               Response Ratio = 0.00000 + 0.01475 *A + -0.00001 *A^2

 96)  4-Chlorotoluene   1.858 1.384 1.442 1.447 1.484 1.552 1.576 1.535  10.24
 97)  tert-Butylbenzene 1.184 0.829 0.892 0.901 0.919 0.956 0.973 0.951  11.88
 98)  a-Methyl styrene                                             0.000  -1.00
 99)  1,2,4-Trimethylbe 1.944 1.508 1.642 1.643 1.682 1.780 1.811 1.716   8.25
100)  Pentachloroethane 0.271 0.401 0.230 0.319 0.357 0.343 0.361 0.326  17.90
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9947
               Response Ratio = 0.00000 + 0.31195 *A + 0.02508 *A^2

101)  sec-Butylbenzene  2.206 1.704 1.793 1.809 1.869 1.924 1.969 1.896   8.55
102)  4-Isopropyltoluen 1.838 1.419 1.581 1.603 1.676 1.744 1.773 1.662   8.48
103)  1,3-Dichlorobenze 1.423 1.011 1.048 1.026 1.021 1.070 1.089 1.098  13.30
104)  1,2,3-Trimethylbe 2.256 1.634 1.740 1.713 1.715 1.819 1.854 1.819  11.32
105)  1,4-Dichlorobenze 1.734 1.079 1.138 1.109 1.115 1.149 1.172 1.214  19.06
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
               Response Ratio = 0.00000 + 1.10794 *A + 0.02994 *A^2

106)  n-Butylbenzene    0.918 0.693 0.771 0.791 0.835 0.870 0.894 0.825   9.53
107)  Benzyl Chloride   0.147 0.136 0.159 0.182 0.197 0.235 0.249 0.186  23.27
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9990
               Response Ratio = 0.00000 + 0.15817 *A + 0.04777 *A^2

108)  1,2-Dichlorobenze 1.291 0.983 1.019 0.987 0.983 1.018 1.035 1.045  10.56
109)  1,2-Dibromo-3-Chl 0.108 0.081 0.093 0.093 0.095 0.105 0.112 0.098  11.12
110)  Hexachlorobutadie 0.345 0.231 0.231 0.228 0.244 0.237 0.231 0.250  16.96
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9990
               Response Ratio = 0.00000 + 0.24072 *A + -0.00437 *A^2

111)  1,2,4-Trichlorobe 0.788 0.562 0.603 0.594 0.606 0.630 0.627 0.630  11.63
112)  Naphthalene       2.277 1.592 1.658 1.592 1.609 1.701 1.762 1.741  14.03
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
               Response Ratio = 0.00000 + 1.57234 *A + 0.09143 *A^2

113)  1,2,3-Trichlorobe 0.791 0.575 0.599 0.582 0.587 0.609 0.601 0.621  12.28
```

Initial Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICC2796
Lab FileID: O70546.D

(#) = Out of Range

VO_08-23-2022.M Wed Aug 24 09:44:11 2022

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICV2796
Lab FileID: O70550.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2022-08-23\O70550.D Vial: 10
Acq On : 23 Aug 2022 4:49 pm Operator: joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 09:37:25 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	107	0.00	8.84
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane	40.000	34.187	14.5	93	0.00	2.85
3	P	Chloromethane	40.000	37.719	5.7	104	0.00	3.20
4		1,3-butadiene	40.000	34.467	13.8	88	0.00	3.38
5	C	Vinyl Chloride	40.000	36.237	9.4	98	0.00	3.35
6		Bromomethane	40.000	36.692	8.3	100	0.00	3.90
7		Chloroethane	40.000	36.450	8.9	97	0.00	4.10
			AvgRF	CCRF	%Dev			
8		Trichlorofluoromethane	0.355	0.314	11.5	103	0.00	4.33
9		Ethyl Ether	0.158	0.148	6.3	107	0.00	4.80
			Amount	Calc.	%Drift			
10		Ethanol	800.000	682.908	14.6	88	0.00	5.02
			AvgRF	CCRF	%Dev			
11		1,2-Dichlorotrifluoroetha	0.204	0.218	-6.9	120	0.00	5.07
12	C	1,1-Dichloroethene	0.286	0.287	-0.3	110	0.00	5.08
			Amount	Calc.	%Drift			
13		Freon 113	40.000	39.808	0.5	104	0.00	5.14
14		Carbon Disulfide	40.000	34.532	13.7	90	0.00	5.12
15		Iodomethane	40.000	28.566	28.6#	64	0.00	5.29
			AvgRF	CCRF	%Dev			
16		Acrolein	0.039	0.035	10.3	106	0.00	5.54
			Amount	Calc.	%Drift			
17		Allyl chloride	40.000	40.475	-1.2	103	0.00	5.73
18		Methylene Chloride	40.000	38.156	4.6	106	0.00	5.87
19		Acetone	200.000	215.257	-7.6	123	0.00	5.93
			AvgRF	CCRF	%Dev			
20		Methyl acetate	0.149	0.153	-2.7	116	0.00	6.08
21		trans-1,2-Dichloroethene	0.285	0.272	4.6	105	0.00	6.07
			Amount	Calc.	%Drift			
22		Hexane	40.000	42.792	-7.0	112	0.00	6.17
			AvgRF	CCRF	%Dev			

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICV2796
Lab FileID: O70550.D

23		Methyl Tert Butyl Ether	0.497	0.574	-15.5	131	0.00	6.20
24		Tert Butyl Alcohol	0.018	0.016	11.1	108	0.00	6.30
			Amount	Calc.	%Drift			
25		Acetonitrile	400.000	355.690	11.1	93	0.00	6.51
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.584	0.583	0.2	112	0.00	6.65
			Amount	Calc.	%Drift			
27		Chloroprene	40.000	166.310	-315.8#	497	0.00	6.81
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane	0.352	0.356	-1.1	113	0.00	6.84
29		Acrylonitrile	0.063	0.066	-4.8	105	0.00	6.89
30		ETBE	0.566	0.530	6.4	104	0.00	7.09
31		Vinyl acetate	0.388	0.426	-9.8	104	0.00	7.11
			Amount	Calc.	%Drift			
32		cis-1,2-Dichloroethene	40.000	39.775	0.6	108	0.00	7.47
			AvgRF	CCRF	%Dev			
33		2,2-Dichloropropane	0.276	0.254	8.0	99	0.00	7.59
			Amount	Calc.	%Drift			
34		Bromochloromethane	40.000	38.502	3.7	105	0.00	7.70
			AvgRF	CCRF	%Dev			
35		Cyclohexane	0.308	0.301	2.3	108	0.00	7.71
36	C	Chloroform	0.373	0.348	6.7	106	0.00	7.76
37		Ethyl acetate	0.190	0.204	-7.4	108	0.00	7.87
			Amount	Calc.	%Drift			
38		Tetrahydrofuran	40.000	39.674	0.8	113	0.00	7.96
			AvgRF	CCRF	%Dev			
39	S	Dibromofluoromethane	0.282	0.289	-2.5	108	0.00	7.96
40		Carbon Tetrachloride	0.287	0.280	2.4	104	0.00	7.93
41		1,1,1-Trichloroethane	0.330	0.323	2.1	106	0.00	8.01
42		2-Butanone	0.095	0.098	-3.2	123	0.00	8.09
43		1,1-Dichloropropene	0.272	0.256	5.9	103	0.00	8.14
44		tert-Butyl formate	0.131	0.112	14.5	98	0.00	8.24
			Amount	Calc.	%Drift			
45		Propionitrile	400.000	336.098	16.0	88	0.00	8.42
46		Methacrylonitrile	400.000	365.183	8.7	95	0.00	8.45
			AvgRF	CCRF	%Dev			
47		Benzene	0.788	0.739	6.2	107	0.00	8.41
			Amount	Calc.	%Drift			
48		TAME	40.000	53.577	-33.9#	149	0.00	8.49
49		Isobutyl alcohol	800.000	714.657	10.7	93	0.00	8.57
			AvgRF	CCRF	%Dev			
50	S	1,2-Dichloroethane-d4	0.290	0.291	-0.3	109	0.00	8.55
51		1,2-Dichloroethane	0.305	0.286	6.2	109	0.00	8.62
52		Tert Amyl Alcohol	0.012	0.012	0.0	114	0.00	8.68
			Amount	Calc.	%Drift			

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICV2796
Lab FileID: O70550.D

53		Trichloroethene	40.000	39.307	1.7	105	0.00	9.02
54		Methylcyclohexane	40.000	41.682	-4.2	109	0.00	9.01
			AvgRF	CCRF	%Dev			
55		Dibromomethane	0.134	0.124	7.5	106	0.00	9.46
56	C	1,2-Dichloropropane	0.196	0.181	7.7	102	0.00	9.55
57		Bromodichloromethane	0.249	0.244	2.0	108	0.00	9.60
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	37.531	6.2	95	0.00	9.73
59		1,4-Dioxane	800.000	788.699	1.4	109	0.00	9.81
60		2-Chloroethyl vinyl ether	200.000	205.147	-2.6	116	0.00	10.15
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.279	0.276	1.1	107	0.00	10.24
62	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00	11.99
63	S	Toluene-d8	1.254	1.245	0.7	107	0.00	10.43
64	C	Toluene	1.078	1.020	5.4	108	0.00	10.48
65		2-Nitropropane	0.064	0.064	0.0	108	0.00	10.71
66		4-Methyl-2-pentanone	0.255	0.252	1.2	118	0.00	10.83
67		trans-1,3-Dichloropropene	0.310	0.341	-10.0	118	0.00	10.88
68		Tetrachloroethene	0.321	0.304	5.3	107	0.00	10.88
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	35.953	10.1	91	0.00	10.99
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.195	0.188	3.6	111	0.00	11.05
71		Dibromochloromethane	0.269	0.260	3.3	105	0.00	11.24
72		1,3-Dichloropropane	0.403	0.353	12.4	102	0.00	11.33
73		1,2-Dibromoethane	0.250	0.240	4.0	109	0.00	11.51
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	2031.161	-1.6	120	0.00	11.60
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.172	0.176	-2.3	119	0.00	11.65
76		1-Chlorohexane	0.295	0.304	-3.1	112	0.00	11.94
77	C	Ethylbenzene	1.237	1.152	6.9	106	0.00	12.01
78	P	Chlorobenzene	0.736	0.682	7.3	107	0.00	12.01
79		1,1,1,2-Tetrachloroethane	0.255	0.251	1.6	109	0.00	12.06
80		m,p-Xylene	0.933	0.889	4.7	106	0.00	12.15
81		o-Xylene	0.902	0.885	1.9	109	0.00	12.59
82		Styrene	0.632	0.653	-3.3	108	0.00	12.64
83	P	Bromoform	0.161	0.171	-6.2	113	0.00	12.70
84		Isopropylbenzene	1.097	1.084	1.2	108	0.00	12.89
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	14.35
86	S	4-Bromofluorobenzene	0.801	0.804	-0.4	109	0.00	13.21
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	36.126	9.7	92	0.00	13.25
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	2.481	2.378	4.2	107	0.00	13.31
89		Bromobenzene	0.631	0.566	10.3	104	0.00	13.33
90	P	1,1,2,2-Tetrachloroethane	0.621	0.594	4.3	110	0.00	13.38
91		1,3,5-Trimethylbenzene	1.771	1.708	3.6	105	0.00	13.49
92		2-Chlorotoluene	1.535	1.492	2.8	109	0.00	13.67

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2796-ICV2796
Lab FileID: O70550.D

93	trans-1,4-Dichloro-2-Bute	0.159	0.134	15.7	88	0.00	13.57
94	1,2,3-Trichloropropane	0.198	0.183	7.6	104	0.00	13.54
		Amount	Calc.	%Drift			
95	Cyclohexanone	200.000	206.745	-3.4	111	0.00	13.62
		AvgRF	CCRF	%Dev			
96	4-Chlorotoluene	1.535	1.492	2.8	109	0.00	13.67
97	tert-Butylbenzene	0.951	0.919	3.4	108	0.00	13.83
98	a-Methyl styrene		----------NA----------				
99	1,2,4-Trimethylbenzene	1.716	1.696	1.2	109	0.00	13.90
		Amount	Calc.	%Drift			
100	Pentachloroethane	40.000	37.805	5.5	95	0.00	13.89
		AvgRF	CCRF	%Dev			
101	sec-Butylbenzene	1.896	1.923	-1.4	111	0.00	14.02
102	4-Isopropyltoluene	1.662	1.690	-1.7	109	0.00	14.15
103	1,3-Dichlorobenzene	1.098	1.049	4.5	111	0.00	14.29
104	1,2,3-Trimethylbenzene	1.819	1.803	0.9	114	0.00	14.36
		Amount	Calc.	%Drift			
105	1,4-Dichlorobenzene	40.000	38.651	3.4	106	0.00	14.37
		AvgRF	CCRF	%Dev			
106	n-Butylbenzene	0.825	0.766	7.2	99	0.00	14.58
		Amount	Calc.	%Drift			
107	Benzyl Chloride	40.000	30.589	23.5#	78	0.00	14.60
		AvgRF	CCRF	%Dev			
108	1,2-Dichlorobenzene	1.045	0.989	5.4	109	0.00	14.79
109	1,2-Dibromo-3-Chloropropa	0.098	0.094	4.1	107	0.00	15.53
		Amount	Calc.	%Drift			
110	Hexachlorobutadiene	40.000	36.498	8.8	96	0.00	16.07
		AvgRF	CCRF	%Dev			
111	1,2,4-Trichlorobenzene	0.630	0.593	5.9	106	0.00	16.12
		Amount	Calc.	%Drift			
112	Naphthalene	40.000	39.492	1.3	109	0.00	16.41
		AvgRF	CCRF	%Dev			
113	1,2,3-Trichlorobenzene	0.621	0.570	8.2	105	0.00	16.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O70546.D VO_08-23-2022.M Wed Aug 24 09:43:59 2022

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2809-CC2796
Lab FileID: O70826.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2022-09-02\O70826.D Vial: 3
Acq On : 2 Sep 2022 12:22 pm Operator: joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 09:37:25 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF / Amount	CCRF / Calc.	%Dev / %Drift	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	89	0.00	8.84
2		Dichlorodifluoromethane	40.000	54.455	-36.1#	124	0.00	2.85
3	P	Chloromethane	40.000	45.170	-12.9	103	0.00	3.20
4		1,3-butadiene	40.000	34.817	13.0	74	0.00	3.38
5	C	Vinyl Chloride	40.000	45.991	-15.0	104	0.00	3.35
6		Bromomethane	40.000	35.475	11.3	80	0.00	3.90
7		Chloroethane	40.000	50.165	-25.4#	105	0.00	4.10
8		Trichlorofluoromethane	0.355	0.382	-7.6	105	0.00	4.33
9		Ethyl Ether	0.158	0.156	1.3	94	0.00	4.80
10		Ethanol	800.000	840.197	-5.0	91	0.00	5.01
11		1,2-Dichlorotrifluoroetha	0.204	0.220	-7.8	101	0.00	5.07
12	C	1,1-Dichloroethene	0.286	0.302	-5.6	97	0.00	5.09
13		Freon 113	40.000	47.421	-18.6	104	0.00	5.14
14		Carbon Disulfide	40.000	42.248	-5.6	93	0.00	5.13
15		Iodomethane	40.000	28.853	27.9#	54	0.00	5.29
16		Acrolein	0.039	0.038	2.6	96	0.00	5.54
17		Allyl chloride	40.000	36.392	9.0	77	0.00	5.73
18		Methylene Chloride	40.000	45.560	-13.9	106	0.00	5.87
19		Acetone	200.000	196.241	1.9	94	0.00	5.93
20		Methyl acetate	0.149	0.156	-4.7	99	0.00	6.08
21		trans-1,2-Dichloroethene	0.285	0.291	-2.1	94	0.00	6.07
22		Hexane	40.000	46.444	-16.1	102	0.00	6.17

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2809-CC2796
Lab FileID: O70826.D

23		Methyl Tert Butyl Ether	0.497	0.485	2.4	92	0.00	6.20
24		Tert Butyl Alcohol	0.018	0.017	5.6	93	0.00	6.31
			Amount	Calc.	%Drift			
25		Acetonitrile	400.000	393.161	1.7	85	0.00	6.51
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.584	0.589	-0.9	94	0.00	6.65
			Amount	Calc.	%Drift			
27		Chloroprene	40.000	37.265	6.8	78	0.00	6.81
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane	0.352	0.359	-2.0	95	0.00	6.84
29		Acrylonitrile	0.063	0.064	-1.6	85	0.00	6.89
30		ETBE	0.566	0.565	0.2	92	0.00	7.09
31		Vinyl acetate	0.388	0.404	-4.1	82	0.00	7.11
			Amount	Calc.	%Drift			
32		cis-1,2-Dichloroethene	40.000	41.771	-4.4	95	0.00	7.47
			AvgRF	CCRF	%Dev			
33		2,2-Dichloropropane	0.276	0.282	-2.2	92	0.00	7.59
			Amount	Calc.	%Drift			
34		Bromochloromethane	40.000	41.983	-5.0	96	0.00	7.70
			AvgRF	CCRF	%Dev			
35		Cyclohexane	0.308	0.342	-11.0	102	0.00	7.71
36	C	Chloroform	0.373	0.375	-0.5	95	0.00	7.76
37		Ethyl acetate	0.190	0.193	-1.6	85	0.00	7.87
			Amount	Calc.	%Drift			
38		Tetrahydrofuran	40.000	40.335	-0.8	96	0.00	7.96
			AvgRF	CCRF	%Dev			
39	S	Dibromofluoromethane	0.282	0.284	-0.7	89	0.00	7.96
40		Carbon Tetrachloride	0.287	0.304	-5.9	95	0.00	7.93
41		1,1,1-Trichloroethane	0.330	0.346	-4.8	95	0.00	8.01
42		2-Butanone	0.095	0.090	5.3	95	0.00	8.09
43		1,1-Dichloropropene	0.272	0.283	-4.0	95	0.00	8.14
44		tert-Butyl formate	0.131	0.128	2.3	94	0.00	8.24
			Amount	Calc.	%Drift			
45		Propionitrile	400.000	379.113	5.2	83	0.00	8.42
46		Methacrylonitrile	400.000	393.651	1.6	86	0.00	8.45
			AvgRF	CCRF	%Dev			
47		Benzene	0.788	0.792	-0.5	95	0.00	8.41
			Amount	Calc.	%Drift			
48		TAME	40.000	40.273	-0.7	92	0.00	8.49
49		Isobutyl alcohol	800.000	823.882	-3.0	90	0.00	8.57
			AvgRF	CCRF	%Dev			
50	S	1,2-Dichloroethane-d4	0.290	0.290	0.0	90	0.00	8.55
51		1,2-Dichloroethane	0.305	0.302	1.0	96	0.00	8.62
52		Tert Amyl Alcohol	0.012	0.012	0.0	98	0.00	8.68
			Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2809-CC2796
Lab FileID: O70826.D

53		Trichloroethene	40.000	42.676	-6.7	96	0.00	9.01
54		Methylcyclohexane	40.000	46.099	-15.2	102	0.00	9.01
			AvgRF	CCRF	%Dev			
55		Dibromomethane	0.134	0.132	1.5	94	0.00	9.46
56	C	1,2-Dichloropropane	0.196	0.198	-1.0	93	0.00	9.55
57		Bromodichloromethane	0.249	0.253	-1.6	93	0.00	9.60
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	37.791	5.5	80	0.00	9.73
59		1,4-Dioxane	800.000	916.174	-14.5	105	0.00	9.81
60		2-Chloroethyl vinyl ether	200.000	200.723	-0.4	95	0.00	10.15
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.279	0.287	-2.9	92	0.00	10.24
62	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00	11.99
63	S	Toluene-d8	1.254	1.188	5.3	91	0.00	10.43
64	C	Toluene	1.078	1.009	6.4	95	0.00	10.48
65		2-Nitropropane	0.064	0.062	3.1	92	0.00	10.71
66		4-Methyl-2-pentanone	0.255	0.232	9.0	96	0.00	10.83
67		trans-1,3-Dichloropropene	0.310	0.309	0.3	95	0.00	10.88
68		Tetrachloroethene	0.321	0.311	3.1	98	0.00	10.88
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	36.230	9.4	82	0.00	10.99
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.195	0.182	6.7	96	0.00	11.05
71		Dibromochloromethane	0.269	0.258	4.1	93	0.00	11.24
72		1,3-Dichloropropane	0.403	0.366	9.2	94	0.00	11.33
73		1,2-Dibromoethane	0.250	0.232	7.2	94	0.00	11.51
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	1931.220	3.4	101	0.00	11.60
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.172	0.162	5.8	97	0.00	11.65
76		1-Chlorohexane	0.295	0.304	-3.1	100	0.00	11.94
77	C	Ethylbenzene	1.237	1.173	5.2	96	0.00	12.01
78	P	Chlorobenzene	0.736	0.694	5.7	97	0.00	12.01
79		1,1,1,2-Tetrachloroethane	0.255	0.249	2.4	96	0.00	12.06
80		m,p-Xylene	0.933	0.904	3.1	96	0.00	12.15
81		o-Xylene	0.902	0.852	5.5	94	0.00	12.59
82		Styrene	0.632	0.643	-1.7	95	0.00	12.64
83	P	Bromoform	0.161	0.158	1.9	93	0.00	12.70
84		Isopropylbenzene	1.097	1.071	2.4	95	0.00	12.89
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	14.35
86	S	4-Bromofluorobenzene	0.801	0.774	3.4	95	0.00	13.21
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	35.792	10.5	83	0.00	13.25
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	2.481	2.328	6.2	96	0.00	13.31
89		Bromobenzene	0.631	0.574	9.0	96	0.00	13.33
90	P	1,1,2,2-Tetrachloroethane	0.621	0.564	9.2	96	0.00	13.38
91		1,3,5-Trimethylbenzene	1.771	1.674	5.5	94	0.00	13.49
92		2-Chlorotoluene	1.535	1.416	7.8	94	0.00	13.67

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2809-CC2796
Lab FileID: O70826.D

93	trans-1,4-Dichloro-2-Bute	0.159	0.146	8.2	88	0.00	13.57
94	1,2,3-Trichloropropane	0.198	0.182	8.1	95	0.00	13.54
		Amount	Calc.	%Drift			
95	Cyclohexanone	200.000	191.868	4.1	94	0.00	13.62
		AvgRF	CCRF	%Dev			
96	4-Chlorotoluene	1.535	1.416	7.8	94	0.00	13.67
97	tert-Butylbenzene	0.951	0.888	6.6	95	0.00	13.83
98	a-Methyl styrene		----------NA----------				
99	1,2,4-Trimethylbenzene	1.716	1.640	4.4	96	0.00	13.90
		Amount	Calc.	%Drift			
100	Pentachloroethane	40.000	36.355	9.1	83	0.00	13.89
		AvgRF	CCRF	%Dev			
101	sec-Butylbenzene	1.896	1.814	4.3	96	0.00	14.02
102	4-Isopropyltoluene	1.662	1.628	2.0	96	0.00	14.15
103	1,3-Dichlorobenzene	1.098	1.000	8.9	97	0.00	14.29
104	1,2,3-Trimethylbenzene	1.819	1.670	8.2	96	0.00	14.36
		Amount	Calc.	%Drift			
105	1,4-Dichlorobenzene	40.000	38.393	4.0	96	0.00	14.36
		AvgRF	CCRF	%Dev			
106	n-Butylbenzene	0.825	0.800	3.0	95	0.00	14.58
		Amount	Calc.	%Drift			
107	Benzyl Chloride	40.000	36.677	8.3	89	0.00	14.60
		AvgRF	CCRF	%Dev			
108	1,2-Dichlorobenzene	1.045	0.956	8.5	96	0.00	14.79
109	1,2-Dibromo-3-Chloropropa	0.098	0.085	13.3	89	0.00	15.53
		Amount	Calc.	%Drift			
110	Hexachlorobutadiene	40.000	38.737	3.2	93	0.00	16.07
		AvgRF	CCRF	%Dev			
111	1,2,4-Trichlorobenzene	0.630	0.566	10.2	92	0.00	16.12
		Amount	Calc.	%Drift			
112	Naphthalene	40.000	36.093	9.8	91	0.00	16.41
		AvgRF	CCRF	%Dev			
113	1,2,3-Trichlorobenzene	0.621	0.558	10.1	94	0.00	16.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O70546.D VO_08-23-2022.M Fri Sep 02 12:42:30 2022

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2809-ECC2796
Lab FileID: O70852.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2022-09-02\O70852.D Vial: 28
Acq On : 2 Sep 2022 11:09 pm Operator: joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Wed Aug 24 09:37:25 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	87	0.00	8.84
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane	40.000	55.880	-39.7	124	0.00	2.85
3	P	Chloromethane	40.000	46.974	-17.4	105	0.00	3.20
4		1,3-butadiene	40.000	36.776	8.1	77	0.00	3.38
5	C	Vinyl Chloride	40.000	47.207	-18.0	104	0.00	3.35
6		Bromomethane	40.000	38.941	2.6	86	0.00	3.90
7		Chloroethane	40.000	50.695	-26.7	103	0.00	4.10
			AvgRF	CCRF	%Dev			
8		Trichlorofluoromethane	0.355	0.386	-8.7	103	0.00	4.33
9		Ethyl Ether	0.158	0.159	-0.6	94	0.00	4.80
			Amount	Calc.	%Drift			
10		Ethanol	800.000	733.775	8.3	77	0.00	5.01
			AvgRF	CCRF	%Dev			
11		1,2-Dichlorotrifluoroetha	0.204	0.220	-7.8	99	0.00	5.07
12	C	1,1-Dichloroethene	0.286	0.311	-8.7	97	0.00	5.09
			Amount	Calc.	%Drift			
13		Freon 113	40.000	46.889	-17.2	100	0.00	5.14
14		Carbon Disulfide	40.000	42.772	-6.9	92	0.00	5.13
15		Iodomethane	40.000	36.093	9.8	71	0.00	5.29
			AvgRF	CCRF	%Dev			
16		Acrolein	0.039	0.033	15.4	81	0.00	5.54
			Amount	Calc.	%Drift			
17		Allyl chloride	40.000	36.445	8.9	76	0.00	5.73
18		Methylene Chloride	40.000	46.667	-16.7	106	0.00	5.87
19		Acetone	200.000	184.766	7.6	86	0.00	5.93
			AvgRF	CCRF	%Dev			
20		Methyl acetate	0.149	0.155	-4.0	96	0.00	6.08
21		trans-1,2-Dichloroethene	0.285	0.299	-4.9	94	0.00	6.07
			Amount	Calc.	%Drift			
22		Hexane	40.000	45.631	-14.1	98	0.00	6.17
			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2809-ECC2796
Lab FileID: O70852.D

23		Methyl Tert Butyl Ether	0.497	0.500	-0.6	92	0.00	6.20
24		Tert Butyl Alcohol	0.018	0.016	11.1	86	0.00	6.30
			Amount	Calc.	%Drift			
25		Acetonitrile	400.000	366.455	8.4	78	0.00	6.51
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.584	0.604	-3.4	95	0.00	6.65
			Amount	Calc.	%Drift			
27		Chloroprene	40.000	37.487	6.3	76	0.00	6.81
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane	0.352	0.370	-5.1	95	0.00	6.84
29		Acrylonitrile	0.063	0.062	1.6	80	0.00	6.89
30		ETBE	0.566	0.589	-4.1	94	0.00	7.09
31		Vinyl acetate	0.388	0.376	3.1	75	0.00	7.11
			Amount	Calc.	%Drift			
32		cis-1,2-Dichloroethene	40.000	42.780	-7.0	95	0.00	7.47
			AvgRF	CCRF	%Dev			
33		2,2-Dichloropropane	0.276	0.240	13.0	76	0.00	7.59
			Amount	Calc.	%Drift			
34		Bromochloromethane	40.000	42.569	-6.4	95	0.00	7.70
			AvgRF	CCRF	%Dev			
35		Cyclohexane	0.308	0.351	-14.0	102	0.00	7.71
36	C	Chloroform	0.373	0.383	-2.7	95	0.00	7.76
37		Ethyl acetate	0.190	0.183	3.7	79	0.00	7.87
			Amount	Calc.	%Drift			
38		Tetrahydrofuran	40.000	38.205	4.5	89	0.00	7.96
			AvgRF	CCRF	%Dev			
39	S	Dibromofluoromethane	0.282	0.278	1.4	85	0.00	7.96
40		Carbon Tetrachloride	0.287	0.308	-7.3	94	0.00	7.93
41		1,1,1-Trichloroethane	0.330	0.355	-7.6	95	0.00	8.01
42		2-Butanone	0.095	0.084	11.6	86	0.00	8.09
43		1,1-Dichloropropene	0.272	0.289	-6.2	95	0.00	8.14
44		tert-Butyl formate	0.131	0.127	3.1	91	0.00	8.24
			Amount	Calc.	%Drift			
45		Propionitrile	400.000	354.040	11.5	75	0.00	8.42
46		Methacrylonitrile	400.000	380.243	4.9	81	0.00	8.45
			AvgRF	CCRF	%Dev			
47		Benzene	0.788	0.816	-3.6	96	0.00	8.41
			Amount	Calc.	%Drift			
48		TAME	40.000	41.796	-4.5	93	0.00	8.49
49		Isobutyl alcohol	800.000	721.052	9.9	77	0.00	8.57
			AvgRF	CCRF	%Dev			
50	S	1,2-Dichloroethane-d4	0.290	0.283	2.4	86	0.00	8.55
51		1,2-Dichloroethane	0.305	0.308	-1.0	95	0.00	8.62
52		Tert Amyl Alcohol	0.012	0.011	8.3	85	0.00	8.68
			Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VO2809-ECC2796
Lab FileID: O70852.D

53		Trichloroethene	40.000	43.042	-7.6	94	0.00	9.01
54		Methylcyclohexane	40.000	46.530	-16.3	100	0.00	9.01
			AvgRF	CCRF	%Dev			
55		Dibromomethane	0.134	0.134	0.0	94	0.00	9.46
56	C	1,2-Dichloropropane	0.196	0.208	-6.1	96	0.00	9.55
57		Bromodichloromethane	0.249	0.257	-3.2	92	0.00	9.60
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	37.188	7.0	77	0.00	9.73
59		1,4-Dioxane	800.000	812.591	-1.6	92	0.00	9.80
60		2-Chloroethyl vinyl ether	200.000	199.455	0.3	92	0.00	10.15
			AvgRF	CCRF	%Dev			
61		cis-1,3-Dichloropropene	0.279	0.284	-1.8	89	0.00	10.24
62	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00	11.99
63	S	Toluene-d8	1.254	1.197	4.5	89	0.00	10.43
64	C	Toluene	1.078	1.044	3.2	95	0.00	10.48
65		2-Nitropropane	0.064	0.056	12.5	81	0.00	10.71
66		4-Methyl-2-pentanone	0.255	0.226	11.4	91	0.00	10.83
67		trans-1,3-Dichloropropene	0.310	0.305	1.6	91	0.00	10.88
68		Tetrachloroethene	0.321	0.347	-8.1	106	0.00	10.88
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	36.496	8.8	80	0.00	10.99
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.195	0.187	4.1	95	0.00	11.05
71		Dibromochloromethane	0.269	0.259	3.7	91	0.00	11.24
72		1,3-Dichloropropane	0.403	0.372	7.7	93	0.00	11.33
73		1,2-Dibromoethane	0.250	0.236	5.6	92	0.00	11.51
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	1801.104	9.9	91	0.00	11.60
			AvgRF	CCRF	%Dev			
75		2-hexanone	0.172	0.153	11.0	89	0.00	11.65
76		1-Chlorohexane	0.295	0.300	-1.7	95	0.00	11.94
77	C	Ethylbenzene	1.237	1.203	2.7	95	0.00	12.01
78	P	Chlorobenzene	0.736	0.710	3.5	96	0.00	12.01
79		1,1,1,2-Tetrachloroethane	0.255	0.256	-0.4	96	0.00	12.06
80		m,p-Xylene	0.933	0.926	0.8	95	0.00	12.15
81		o-Xylene	0.902	0.882	2.2	94	0.00	12.58
82		Styrene	0.632	0.659	-4.3	94	0.00	12.64
83	P	Bromoform	0.161	0.151	6.2	86	0.00	12.70
84		Isopropylbenzene	1.097	1.106	-0.8	95	0.00	12.89
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00	14.35
86	S	4-Bromofluorobenzene	0.801	0.778	2.9	92	0.00	13.21
			Amount	Calc.	%Drift			
87		cis-1,4-Dichloro-2-butene	40.000	31.639	20.9	70	0.00	13.25
			AvgRF	CCRF	%Dev			
88		n-Propylbenzene	2.481	2.391	3.6	95	0.00	13.31
89		Bromobenzene	0.631	0.595	5.7	96	0.00	13.33
90	P	1,1,2,2-Tetrachloroethane	0.621	0.555	10.6	91	0.00	13.38
91		1,3,5-Trimethylbenzene	1.771	1.733	2.1	94	0.00	13.49
92		2-Chlorotoluene	1.535	1.458	5.0	93	0.00	13.67

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VO2809-ECC2796
Lab FileID: O70852.D

93	trans-1,4-Dichloro-2-Bute	0.159	0.126	20.8	74	0.00	13.57
94	1,2,3-Trichloropropane	0.198	0.181	8.6	91	0.00	13.54
		Amount	Calc.	%Drift			
95	Cyclohexanone	200.000	175.067	12.5	83	0.00	13.62
		AvgRF	CCRF	%Dev			
96	4-Chlorotoluene	1.535	1.458	5.0	93	0.00	13.67
97	tert-Butylbenzene	0.951	0.915	3.8	95	0.00	13.83
98	a-Methyl styrene		----------NA----------				
99	1,2,4-Trimethylbenzene	1.716	1.672	2.6	95	0.00	13.90
		Amount	Calc.	%Drift			
100	Pentachloroethane	40.000	31.800	20.5	69	0.00	13.89
		AvgRF	CCRF	%Dev			
101	sec-Butylbenzene	1.896	1.868	1.5	95	0.00	14.02
102	4-Isopropyltoluene	1.662	1.666	-0.2	94	0.00	14.15
103	1,3-Dichlorobenzene	1.098	1.037	5.6	97	0.00	14.29
104	1,2,3-Trimethylbenzene	1.819	1.732	4.8	96	0.00	14.36
		Amount	Calc.	%Drift			
105	1,4-Dichlorobenzene	40.000	39.385	1.5	95	0.00	14.36
		AvgRF	CCRF	%Dev			
106	n-Butylbenzene	0.825	0.781	5.3	89	0.00	14.58
		Amount	Calc.	%Drift			
107	Benzyl Chloride	40.000	26.879	32.8	60	0.00	14.60
		AvgRF	CCRF	%Dev			
108	1,2-Dichlorobenzene	1.045	0.979	6.3	95	0.00	14.79
109	1,2-Dibromo-3-Chloropropa	0.098	0.080	18.4	80	0.00	15.53
		Amount	Calc.	%Drift			
110	Hexachlorobutadiene	40.000	38.298	4.3	88	0.00	16.07
		AvgRF	CCRF	%Dev			
111	1,2,4-Trichlorobenzene	0.630	0.577	8.4	90	0.00	16.12
		Amount	Calc.	%Drift			
112	Naphthalene	40.000	36.330	9.2	88	0.00	16.41
		AvgRF	CCRF	%Dev			
113	1,2,3-Trichlorobenzene	0.621	0.569	8.4	92	0.00	16.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O70546.D VO_08-23-2022.M Wed Sep 07 14:52:54 2022

6.7.14

6

Initial Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICC2666
Lab FileID: Y64315.D

Response Factor Report MSVOA14-Y

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

Calibration Files
1 =Y64311.D 2 =Y64312.D 3 =Y64313.D 4 =Y64314.D
5 =Y64315.D 6 =Y64316.D 7 =Y64317.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I	Fluorobenzene	----------ISTD----------								
2)	Dichlorodifluorom	0.282	0.298	0.296	0.281	0.279	0.294	0.302	0.290	3.25
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9997									
	Response Ratio = 0.00000 + 0.27760 *A + 0.01180 *A^2									
3)	Acrolein	0.038	0.062	0.058	0.066	0.077	0.079	0.082	0.066	22.90
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9985									
	Response Ratio = 0.00000 + 0.06418 *A + 0.00187 *A^2									
4)P	Chloromethane	0.333	0.328	0.334	0.298	0.284	0.303	0.300	0.311	6.45
5)	1,3-butadiene	0.242	0.284	0.278	0.300	0.307	0.288	0.289	0.284	7.30
6)C	Vinyl Chloride	0.390	0.341	0.364	0.323	0.314	0.351	0.354	0.348	7.33
7)	Bromomethane		0.050	0.059	0.061	0.077	0.080	0.092	0.070	22.27
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9982									
	Response Ratio = 0.00000 + 0.05652 *A + 0.01764 *A^2									
8)	Chloroethane	0.224	0.221	0.232	0.154	0.119	0.122	0.114	0.169	32.06
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9900									
	Response Ratio = 0.00000 + 0.11905 *A									
9)	Trichlorofluorome	0.353	0.376	0.379	0.357	0.363	0.448	0.294	0.367	12.38
10)	Ethyl Ether	0.215	0.260	0.225	0.213	0.220	0.228	0.233	0.228	6.95
11)	Ethanol		0.003	0.004	0.006	0.007	0.008	0.009	0.006	37.19
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9958									
	Response Ratio = 0.00000 + 0.00487 *A + 0.00011 *A^2									
12)	1,2-Dichlorotrifl	0.247	0.280	0.244	0.240	0.243	0.251	0.257	0.252	5.48
13)C	1,1-Dichloroethen	0.330	0.351	0.329	0.330	0.332	0.353	0.360	0.341	3.97
14)	Freon 113	0.225	0.257	0.225	0.227	0.233	0.250	0.242	0.237	5.43
15)	Carbon Disulfide	0.627	0.642	0.611	0.616	0.651	0.687	0.703	0.648	5.41
16)	Iodomethane		0.024	0.033	0.042	0.061	0.073	0.071	0.050	40.63
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9909									
	Response Ratio = 0.00000 + 0.05187 *A + 0.01029 *A^2									
17)	Allyl chloride	0.209	0.285	0.286	0.318	0.349	0.330	0.343	0.303	15.97
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987									
	Response Ratio = 0.00000 + 0.31033 *A + 0.01699 *A^2									
18)	Methylene Chlorid	2.254	0.748	0.488	0.432	0.400	0.384	0.373	0.725	94.60
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9988									
	Response Ratio = 0.00000 + 0.40584 *A									
19)	Acetone		0.210	0.135	0.149	0.143	0.135	0.158	0.157	0.155	16.64
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9982									
	Response Ratio = 0.00000 + 0.13772 *A + 0.00208 *A^2									

Initial Calibration Summary

Job Number: FA98456 **Sample:** VY2666-ICC2666
Account: BHATALB Bhate Environmental **Lab FileID:** Y64315.D
Project: Griffiss AFB; Rome, NY

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20)  Methyl acetate    0.257 0.334 0.320 0.317 0.328 0.359 0.362 0.325  10.71
21)  trans-1,2-Dichlor 0.311 0.354 0.357 0.328 0.334 0.349 0.346 0.340   4.84
22)  Hexane            0.129 0.189 0.176 0.190 0.200 0.199 0.200 0.183  13.82
23)  Methyl Tert Butyl 0.868 0.809 0.754 0.730 0.758 0.782 0.779 0.783   5.75
24)  Tert Butyl Alcoho 0.065 0.077 0.075 0.079 0.083 0.098 0.101 0.083  15.43
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9992
              Response Ratio = 0.00000 + 0.07343 *A + 0.00147 *A^2

25)  Acetonitrile      0.037 0.058 0.058 0.062 0.068 0.072 0.073 0.061  20.37
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9993
              Response Ratio = 0.00000 + 0.06006 *A + 0.00070 *A^2

26)  Di-isopropyl ethe 0.817 0.872 0.809 0.796 0.817 0.854 0.856 0.832   3.44
27)  Chloroprene             0.058 0.051 0.063 0.068 0.066 0.071 0.063  11.38
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9980
              Response Ratio = 0.00000 + 0.05941 *A + 0.00558 *A^2

28)P 1,1-Dichloroethan 0.419 0.481 0.432 0.438 0.426 0.451 0.450 0.442   4.63
29)  Acrylonitrile     0.046 0.180 0.160 0.190 0.164 0.190 0.190 0.160  32.30
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9970
              Response Ratio = 0.00000 + 0.16656 *A + 0.00251 *A^2

30)  ETBE              0.824 0.896 0.799 0.788 0.786 0.849 0.860 0.829   4.98
31)  Vinyl acetate     0.284 0.670 0.611 0.700 0.653 0.740 0.759 0.631  25.52
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
              Response Ratio = 0.00000 + 0.62521 *A + 0.01400 *A^2

32)  cis-1,2-Dichloroe 0.289 0.303 0.276 0.268 0.272 0.283 0.281 0.282   4.24
33)  2,2-Dichloropropa 0.323 0.395 0.359 0.359 0.370 0.382 0.379 0.367   6.37
34)  Bromochloromethan 0.147 0.143 0.128 0.127 0.125 0.126 0.125 0.132   7.08
35)  Cyclohexane       0.429 0.523 0.458 0.485 0.500 0.503 0.514 0.487   6.81
36)C Chloroform        0.427 0.459 0.451 0.436 0.433 0.452 0.430 0.441   2.85
37)  Ethyl acetate     0.355 0.567 0.466 0.530 0.466 0.535 0.511 0.490  14.32
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9970
              Response Ratio = 0.00000 + 0.49606 *A + 0.00222 *A^2

38)  Tetrahydrofuran   0.257 0.220 0.178 0.189 0.183 0.195 0.195 0.202  13.67
39)S Dibromofluorometh 0.214 0.222 0.224 0.226 0.227 0.230 0.226 0.224   2.24
40)  Carbon Tetrachlor 0.239 0.329 0.285 0.296 0.301 0.311 0.312 0.296   9.65
41)  1,1,1-Trichloroet 0.358 0.429 0.386 0.371 0.375 0.393 0.389 0.386   5.86
42)  2-Butanone        0.314 0.240 0.260 0.253 0.239 0.281 0.284 0.267  10.16
43)  1,1-Dichloroprope 0.300 0.395 0.340 0.351 0.349 0.367 0.360 0.352   8.15
44)  tert-Butyl format 0.210 0.215 0.182 0.217 0.249 0.246 0.263 0.226  12.37
45)  Propionitrile     0.056 0.075 0.078 0.081 0.086 0.091 0.097 0.080  16.55
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.07593 *A + 0.00105 *A^2

46)  Methacrylonitrile 0.196 0.258 0.250 0.262 0.283 0.303 0.334 0.269  16.14
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.24180 *A + 0.00457 *A^2

47)  Benzene           1.097 1.239 1.160 1.115 1.098 1.154 1.144 1.144   4.29
48)  TAME              0.858 0.878 0.790 0.765 0.766 0.805 0.807 0.810   5.35
49)S 1,2-Dichloroethan 0.269 0.280 0.284 0.270 0.269 0.270 0.273 0.274   2.18
50)  Isobutyl Alcohol  0.010 0.017 0.018 0.021 0.025 0.028 0.030 0.021  32.08
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9991
              Response Ratio = 0.00000 + 0.01881 *A + 0.00030 *A^2

51)  1,2-Dichloroethan 0.350 0.401 0.362 0.344 0.340 0.361 0.368 0.361   5.65
52)  Tert Amyl Alcohol 0.049 0.069 0.064 0.067 0.071 0.086 0.091 0.071  19.61
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Initial Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICC2666
Lab FileID: Y64315.D

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            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
              Response Ratio = 0.00000 + 0.06088 *A + 0.00155 *A^2

53)  Trichloroethene   0.250 0.299 0.286 0.273 0.272 0.281 0.279 0.277   5.48
54)  Methylcyclohexane 0.381 0.525 0.469 0.482 0.500 0.510 0.521 0.484  10.31
55)  Dibromomethane    0.144 0.170 0.163 0.151 0.153 0.156 0.157 0.156   5.40
56)C 1,2-Dichloropropa 0.258 0.307 0.272 0.267 0.267 0.275 0.274 0.274   5.64
57)  Bromodichlorometh 0.237 0.318 0.283 0.284 0.298 0.312 0.316 0.293   9.72
58)  Methyl methacryla 0.095 0.237 0.267 0.304 0.344 0.351 0.363 0.280  33.55
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9985
              Response Ratio = 0.00000 + 0.28606 *A + 0.04165 *A^2

59)  1,4-Dioxane             0.005 0.005 0.006 0.006 0.007 0.007 0.006  15.87
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
              Response Ratio = 0.00000 + 0.00541 *A + 0.00005 *A^2

60)  2-Chloroethyl vin 0.053 0.072 0.063 0.076 0.085 0.083 0.084 0.074  16.12
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9982
              Response Ratio = 0.00000 + 0.07427 *A + 0.00109 *A^2

61)  cis-1,3-Dichlorop 0.252 0.395 0.367 0.386 0.394 0.422 0.423 0.377  15.55
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 0.37437 *A + 0.02660 *A^2


62) I   Chlorobenzene-d5      ----------------ISTD--------------------
63)S Toluene-d8        1.231 1.255 1.240 1.234 1.249 1.238 1.210 1.237   1.16
64)C Toluene           1.567 1.696 1.492 1.471 1.474 1.511 1.489 1.529   5.28
65)  2-Nitropropane    0.126 0.153 0.135 0.146 0.155 0.171 0.176 0.152  11.84
66)  4-Methyl-2-pentan 0.859 0.593 0.630 0.612 0.584 0.693 0.727 0.671  14.60
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
              Response Ratio = 0.00000 + 0.56816 *A + 0.01585 *A^2

67)  trans-1,3-Dichlor 0.247 0.435 0.409 0.403 0.428 0.440 0.444 0.401  17.40
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
              Response Ratio = 0.00000 + 0.40538 *A + 0.02070 *A^2

68)  Tetrachloroethene 0.335 0.410 0.368 0.365 0.371 0.369 0.370 0.369   5.90
69)  Ethyl methacrylat 0.198 0.429 0.426 0.497 0.559 0.547 0.567 0.460  28.13
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
              Response Ratio = 0.00000 + 0.47533 *A + 0.04941 *A^2

70)  1,1,2-Trichloroet 0.279 0.295 0.263 0.255 0.260 0.256 0.252 0.266   5.92
71)  Dibromochlorometh 0.247 0.295 0.268 0.283 0.293 0.307 0.304 0.285   7.58
72)  1,3-Dichloropropa 0.618 0.654 0.567 0.550 0.558 0.561 0.553 0.580   6.87
73)  1,2-Dibromoethane 0.329 0.369 0.320 0.309 0.325 0.326 0.320 0.328   5.83
74)  3,3-dimethyl-1-bu 0.078 0.107 0.095 0.116 0.147 0.167 0.163 0.125  27.59
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9944
              Response Ratio = 0.00000 + 0.11410 *A + 0.00056 *A^2

75)  2-hexanone        0.590 0.466 0.501 0.479 0.473 0.844       0.559  26.27
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9928
              Response Ratio = 0.00000 + 0.17588 *A + 0.09390 *A^2

76)  1-Chlorohexane    0.343 0.482 0.444 0.461 0.491 0.503 0.496 0.460  12.03
77)C Ethylbenzene      1.547 1.804 1.652 1.632 1.651 1.738 1.766 1.684   5.29
78)P Chlorobenzene     0.943 1.017 0.924 0.895 0.921 0.934 0.937 0.939   4.01
79)  1,1,1,2-Tetrachlo 0.271 0.306 0.292 0.297 0.299 0.310 0.311 0.298   4.63
80)  m,p-Xylene        1.152 1.335 1.258 1.263 1.292 1.378 1.432 1.301   7.00
81)  o-Xylene          1.085 1.308 1.239 1.228 1.254 1.317 1.310 1.249   6.47
```

Initial Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICC2666
Lab FileID: Y64315.D

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 82)  Styrene           0.666 0.898 0.863 0.922 0.965 1.014 1.045 0.911  13.77
 83)P Bromoform         0.143 0.175 0.173 0.178 0.202 0.227 0.233 0.190  16.90
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9990
               Response Ratio = 0.00000 + 0.17243 *A + 0.03237 *A^2

 84)  Isopropylbenzene  1.370 1.685 1.554 1.564 1.606 1.672 1.669 1.589   6.94

 85) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
 86)S 4-Bromofluorobenz 0.767 0.746 0.759 0.759 0.759 0.773 0.751 0.759   1.20
 87)  cis-1,4-Dichloro- 0.224 0.269 0.263 0.286 0.324 0.337 0.327 0.290  14.29
 88)  n-Propylbenzene   3.461 3.842 3.618 3.698 3.570 3.787 3.712 3.670   3.56
 89)  Bromobenzene      0.809 0.783 0.722 0.701 0.711 0.709 0.688 0.732   6.22
 90)P 1,1,2,2-Tetrachlo 1.109 1.116 1.024 0.972 0.939 0.998 0.987 1.021   6.64
 91)  1,3,5-Trimethylbe 2.249 2.572 2.555 2.551 2.435 2.615 2.574 2.507   5.05
 92)  2-Chlorotoluene   2.463 2.526 2.376 2.339 2.284 2.394 2.299 2.383   3.68
 93)  trans-1,4-Dichlor 0.224 0.273 0.251 0.266 0.273 0.296 0.302 0.269   9.83
 94)  1,2,3-Trichloropr 0.477 0.417 0.355 0.330 0.322 0.337 0.328 0.367  16.00
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9987
               Response Ratio = 0.00000 + 0.34734 *A + -0.01040 *A^2

 95)  Cyclohexanone     0.055 0.066 0.058 0.069 0.068 0.076 0.071 0.066  11.35
 96)  4-Chlorotoluene   2.136 2.250 2.145 2.065 2.001 2.144 2.108 2.121   3.64
 97)  tert-Butylbenzene 1.347 1.453 1.379 1.336 1.347 1.414 1.394 1.381   3.07
 98)  1,2,4-Trimethylbe 2.356 2.547 2.390 2.457 2.382 2.527 2.568 2.461   3.55
 99)  Pentachloroethane 0.250 0.341 0.353 0.369 0.409 0.396 0.399 0.360  15.16
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9990
               Response Ratio = 0.00000 + 0.37115 *A + 0.01601 *A^2

100)  sec-Butylbenzene  2.478 3.179 3.009 3.006 2.989 3.160 3.157 2.997   8.12
101)  4-Isopropyltoluen 2.140 2.541 2.522 2.523 2.480 2.720 2.698 2.518   7.57
102)  1,3-Dichlorobenze 1.414 1.386 1.304 1.281 1.241 1.308 1.286 1.317   4.65
103)  1,2,3-Trimethylbe 2.397 2.715 2.453 2.412 2.376 2.531 2.535 2.488   4.74
104)  1,4-Dichlorobenze 1.631 1.471 1.363 1.327 1.302 1.355 1.326 1.396   8.37
105)  n-Butylbenzene    1.214 1.160 1.150 1.257 1.228 1.359 1.375 1.249   7.12
106)  Benzyl Chloride   0.218 0.344 0.350 0.416 0.430 0.471 0.470 0.386  23.29
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
               Response Ratio = 0.00000 + 0.38344 *A + 0.04868 *A^2

107)  1,2-Dichlorobenze 1.294 1.416 1.268 1.256 1.219 1.286 1.277 1.288   4.78
108)  1,2-Dibromo-3-Chl 0.244 0.218 0.217 0.220 0.238 0.260 0.266 0.238   8.45
109)  Hexachlorobutadie 0.176 0.235 0.222 0.235 0.247 0.285 0.292 0.242  16.19
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9992
               Response Ratio = 0.00000 + 0.22118 *A + 0.03758 *A^2

110)  1,2,4-Trichlorobe 0.878 0.881 0.768 0.800 0.808 0.873 0.885 0.842   5.74
111)  Naphthalene       3.714 3.816 3.534 3.488 3.488 3.709 3.638 3.627   3.51
112)  1,2,3-Trichlorobe 0.942 0.853 0.798 0.802 0.793 0.864 0.856 0.844   6.23
 ----------------------------------------------------------------------------
 (#) = Out of Range

          APPIX_08-29-2022_Y.M        Tue Aug 30 15:21:44 2022
```

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64323.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-08-30\Y64323.D Vial: 3
Acq On : 30 Aug 2022 11:36 am Operator: joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 10:25:42 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF / Amount	CCRF / Calc.	%Dev / %Drift	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	109	0.00	9.50
		Amount / Calc. / %Drift						
2		Dichlorodifluoromethane	40.000	33.932	15.2	95	0.00	2.85
3		Acrolein	200.000	195.125	2.4	99	0.00	5.59
		AvgRF / CCRF / %Dev						
4	P	Chloromethane	0.311	0.300	3.5	115	0.00	3.18
5		1,3-butadiene	0.284	0.244	14.1	87	0.00	3.34
6	C	Vinyl Chloride	0.348	0.325	6.6	113	0.00	3.31
		Amount / Calc. / %Drift						
7		Bromomethane	40.000	46.771	-16.9	121	0.00	3.83
8		Chloroethane	40.000	37.444	6.4	102	0.00	4.03
		AvgRF / CCRF / %Dev						
9		Trichlorofluoromethane	0.367	0.427	-16.3	128	0.00	4.23
10		Ethyl Ether	0.228	0.225	1.3	111	0.01	4.76
		Amount / Calc. / %Drift						
11		Ethanol	800.000	893.734	-11.7	115	0.04	5.04
		AvgRF / CCRF / %Dev						
12		1,2-Dichlorotrifluoroetha	0.252	0.266	-5.6	119	0.00	5.04
13	C	1,1-Dichloroethene	0.341	0.348	-2.1	114	0.00	5.04
14		Freon 113	0.237	0.213	10.1	100	0.00	5.10
15		Carbon Disulfide	0.648	0.558	13.9	93	0.00	5.09
		Amount / Calc. / %Drift						
16		Iodomethane	40.000	36.264	9.3	96	0.00	5.28
17		Allyl chloride	40.000	42.324	-5.8	107	0.00	5.79
18		Methylene Chloride	40.000	34.174	14.6	94	0.00	5.96
19		Acetone	200.000	224.350	-12.2	133	0.00	6.05
		AvgRF / CCRF / %Dev						
20		Methyl acetate	0.325	0.373	-14.8	124	0.00	6.23
21		trans-1,2-Dichloroethene	0.340	0.336	1.2	110	0.00	6.22
22		Hexane	0.183	0.189	-3.3	103	0.00	6.33
23		Methyl Tert Butyl Ether	0.783	0.933	-19.2	134	0.00	6.38
		Amount / Calc. / %Drift						
24		Tert Butyl Alcohol	400.000	447.491	-11.9	126	0.01	6.55

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64323.D

25		Acetonitrile	400.000	386.608	3.3	101	0.00	6.79
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.832	0.826	0.7	110	0.00	6.98
			Amount	Calc.	%Drift			
27		Chloroprene	40.000	159.040	-297.6#	492	0.00	7.17
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane	0.442	0.451	-2.0	115	0.00	7.22
			Amount	Calc.	%Drift			
29		Acrylonitrile	200.000	196.102	1.9	115	0.00	7.30
			AvgRF	CCRF	%Dev			
30		ETBE	0.829	0.798	3.7	111	0.00	7.58
			Amount	Calc.	%Drift			
31		Vinyl acetate	200.000	198.533	0.7	113	0.00	7.60
			AvgRF	CCRF	%Dev			
32		cis-1,2-Dichloroethene	0.282	0.280	0.7	112	0.00	8.02
33		2,2-Dichloropropane	0.367	0.352	4.1	103	0.00	8.16
34		Bromochloromethane	0.132	0.123	6.8	107	0.00	8.29
35		Cyclohexane	0.487	0.445	8.6	97	0.00	8.29
36	C	Chloroform	0.441	0.409	7.3	103	0.00	8.38
			Amount	Calc.	%Drift			
37		Ethyl acetate	200.000	195.442	2.3	115	0.00	8.52
			AvgRF	CCRF	%Dev			
38		Tetrahydrofuran	0.202	0.212	-5.0	127	0.00	8.58
39	S	Dibromofluoromethane	0.224	0.231	-3.1	111	0.00	8.60
40		Carbon Tetrachloride	0.296	0.290	2.0	105	0.00	8.55
41		1,1,1-Trichloroethane	0.386	0.377	2.3	110	0.00	8.63
42		2-Butanone	0.267	0.286	-7.1	130	0.00	8.75
43		1,1-Dichloropropene	0.352	0.332	5.7	103	0.00	8.78
44		tert-Butyl formate	0.226	0.219	3.1	96	0.00	8.89
			Amount	Calc.	%Drift			
45		Propionitrile	400.000	383.159	4.2	102	0.00	9.08
46		Methacrylonitrile	400.000	361.623	9.6	96	0.00	9.11
			AvgRF	CCRF	%Dev			
47		Benzene	1.144	1.096	4.2	109	0.00	9.06
48		TAME		----------NA----------				
49	S	1,2-Dichloroethane-d4	0.274	0.270	1.5	109	0.00	9.21
			Amount	Calc.	%Drift			
50		Isobutyl Alcohol	800.000	805.553	-0.7	105	0.00	9.28
			AvgRF	CCRF	%Dev			
51		1,2-Dichloroethane	0.361	0.355	1.7	114	0.00	9.28
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	446.683	-11.7	129	0.00	9.38
			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.277	0.272	1.8	109	0.00	9.67
54		Methylcyclohexane	0.484	0.454	6.2	99	0.00	9.66

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64323.D

55		Dibromomethane	0.156	0.153	1.9	109	0.00	10.09
56	C	1,2-Dichloropropane	0.274	0.254	7.3	104	0.00	10.17
57		Bromodichloromethane	0.293	0.299	-2.0	109	0.00	10.23
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	37.445	6.4	94	0.00	10.34
59		1,4-Dioxane	800.000	1101.924	-37.7#	155	0.00	10.41
60		2-Chloroethyl vinyl ether	200.000	203.984	-2.0	103	0.00	10.71
61		cis-1,3-Dichloropropene	40.000	40.104	-0.3	110	0.00	10.78
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00	12.15
63	S	Toluene-d8	1.237	1.237	0.0	110	0.00	10.93
64	C	Toluene	1.529	1.420	7.1	107	0.00	10.98
65		2-Nitropropane	0.152	0.173	-13.8	124	0.00	11.17
			Amount	Calc.	%Drift			
66		4-Methyl-2-pentanone	200.000	205.228	-2.6	124	0.00	11.27
67		trans-1,3-Dichloropropene	40.000	44.871	-12.2	124	0.00	11.31
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.369	0.353	4.3	106	0.00	11.30
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	35.072	12.3	89	0.00	11.40
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.266	0.260	2.3	111	0.00	11.44
71		Dibromochloromethane	0.285	0.289	-1.4	110	0.00	11.59
72		1,3-Dichloropropane	0.580	0.522	10.0	104	0.00	11.66
73		1,2-Dibromoethane	0.328	0.320	2.4	110	0.00	11.79
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol		----------NA----------				
75		2-hexanone	200.000	199.080	0.5	129	0.00	11.90
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.460	0.450	2.2	102	0.00	12.11
77	C	Ethylbenzene	1.684	1.587	5.8	107	0.00	12.16
78	P	Chlorobenzene	0.939	0.877	6.6	106	0.00	12.17
79		1,1,1,2-Tetrachloroethane	0.298	0.294	1.3	110	0.00	12.20
80		m,p-Xylene	1.301	1.241	4.6	107	0.00	12.26
81		o-Xylene	1.249	1.217	2.6	108	0.00	12.57
82		Styrene	0.911	0.952	-4.5	110	0.00	12.61
			Amount	Calc.	%Drift			
83	P	Bromoform	40.000	44.550	-11.4	123	0.00	12.67
			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.589	1.515	4.7	105	0.00	12.78
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00	13.77
86	S	4-Bromofluorobenzene	0.759	0.777	-2.4	112	0.00	13.01
87		cis-1,4-Dichloro-2-butene	0.290	0.282	2.8	95	0.00	13.03
88		n-Propylbenzene	3.670	3.397	7.4	104	0.00	13.07
89		Bromobenzene	0.732	0.678	7.4	105	0.00	13.10
90	P	1,1,2,2-Tetrachloroethane	1.021	1.015	0.6	119	0.00	13.12
91		1,3,5-Trimethylbenzene	2.507	2.253	10.1	102	0.00	13.18
92		2-Chlorotoluene	2.383	2.155	9.6	104	0.00	13.20

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64323.D

93	trans-1,4-Dichloro-2-Bute	0.269	0.244	9.3	98	0.00	13.24
	----------	Amount	Calc.	%Drift	----------		
94	1,2,3-Trichloropropane	40.000	37.503	6.2	109	0.00	13.23
	----------	AvgRF	CCRF	%Dev	----------		
95	Cyclohexanone		----------NA----------				
96	4-Chlorotoluene	2.121	1.961	7.5	108	0.00	13.31
97	tert-Butylbenzene	1.381	1.226	11.2	100	0.00	13.41
98	1,2,4-Trimethylbenzene	2.461	2.276	7.5	105	0.00	13.46
	----------	Amount	Calc.	%Drift	----------		
99	Pentachloroethane	40.000	36.563	8.6	94	0.00	13.46
	----------	AvgRF	CCRF	%Dev	----------		
100	sec-Butylbenzene	2.997	2.731	8.9	100	0.00	13.53
101	4-Isopropyltoluene	2.518	2.371	5.8	105	0.00	13.61
102	1,3-Dichlorobenzene	1.317	1.243	5.6	110	0.00	13.72
103	1,2,3-Trimethylbenzene	2.488	2.425	2.5	112	0.00	13.76
104	1,4-Dichlorobenzene	1.396	1.292	7.4	109	0.00	13.78
105	n-Butylbenzene	1.249	1.030	17.5	92	0.00	13.90
	----------	Amount	Calc.	%Drift	----------		
106	Benzyl Chloride	40.000	32.168	19.6	85	0.00	13.93
	----------	AvgRF	CCRF	%Dev	----------		
107	1,2-Dichlorobenzene	1.288	1.237	4.0	111	0.00	14.07
108	1,2-Dibromo-3-Chloropropa	0.238	0.251	-5.5	116	0.00	14.60
	----------	Amount	Calc.	%Drift	----------		
109	Hexachlorobutadiene	40.000	36.572	8.6	101	0.00	15.00
	----------	AvgRF	CCRF	%Dev	----------		
110	1,2,4-Trichlorobenzene	0.842	0.839	0.4	114	0.00	15.06
111	Naphthalene	3.627	3.776	-4.1	119	0.00	15.31
112	1,2,3-Trichlorobenzene	0.844	0.826	2.1	114	0.00	15.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y64315.D APPIX_08-29-2022_Y.M Tue Aug 30 15:21:24 2022

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64324.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-08-30\Y64324.D Vial: 4
Acq On : 30 Aug 2022 12:01 pm Operator: joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 10:25:42 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	116	0.00	9.50
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane		NA				
3		Acrolein		NA				
			AvgRF	CCRF	%Dev			
4	P	Chloromethane		NA				
5		1,3-butadiene		NA				
6	C	Vinyl Chloride		NA				
			Amount	Calc.	%Drift			
7		Bromomethane		NA				
8		Chloroethane		NA				
			AvgRF	CCRF	%Dev			
9		Trichlorofluoromethane		NA				
10		Ethyl Ether		NA				
			Amount	Calc.	%Drift			
11		Ethanol		NA				
			AvgRF	CCRF	%Dev			
12		1,2-Dichlorotrifluoroetha		NA				
13	C	1,1-Dichloroethene		NA				
14		Freon 113		NA				
15		Carbon Disulfide		NA				
			Amount	Calc.	%Drift			
16		Iodomethane		NA				
17		Allyl chloride		NA				
18		Methylene Chloride		NA				
19		Acetone		NA				
			AvgRF	CCRF	%Dev			
20		Methyl acetate		NA				
21		trans-1,2-Dichloroethene		NA				
22		Hexane		NA				
23		Methyl Tert Butyl Ether		NA				
			Amount	Calc.	%Drift			
24		Tert Butyl Alcohol		NA				

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64324.D

25		Acetonitrile		NA				
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether		NA				
			Amount	Calc.	%Drift			
27		Chloroprene		NA				
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane		NA				
			Amount	Calc.	%Drift			
29		Acrylonitrile		NA				
			AvgRF	CCRF	%Dev			
30		ETBE		NA				
			Amount	Calc.	%Drift			
31		Vinyl acetate		NA				
			AvgRF	CCRF	%Dev			
32		cis-1,2-Dichloroethene		NA				
33		2,2-Dichloropropane		NA				
34		Bromochloromethane		NA				
35		Cyclohexane		NA				
36	C	Chloroform		NA				
			Amount	Calc.	%Drift			
37		Ethyl acetate		NA				
			AvgRF	CCRF	%Dev			
38		Tetrahydrofuran		NA				
39	S	Dibromofluoromethane	0.224	0.227	-1.3	116	0.00	8.60
40		Carbon Tetrachloride		NA				
41		1,1,1-Trichloroethane		NA				
42		2-Butanone		NA				
43		1,1-Dichloropropene		NA				
44		tert-Butyl formate		NA				
			Amount	Calc.	%Drift			
45		Propionitrile		NA				
46		Methacrylonitrile		NA				
			AvgRF	CCRF	%Dev			
47		Benzene		NA				
48		TAME	0.810	0.955	-17.9	145	0.00	9.17
49	S	1,2-Dichloroethane-d4	0.274	0.274	0.0	118	0.00	9.21
			Amount	Calc.	%Drift			
50		Isobutyl Alcohol		NA				
			AvgRF	CCRF	%Dev			
51		1,2-Dichloroethane		NA				
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol		NA				
			AvgRF	CCRF	%Dev			
53		Trichloroethene		NA				
54		Methylcyclohexane		NA				

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64324.D

55		Dibromomethane			----------NA----------				
56	C	1,2-Dichloropropane			----------NA----------				
57		Bromodichloromethane			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
58		Methyl methacrylate			----------NA----------				
59		1,4-Dioxane			----------NA----------				
60		2-Chloroethyl vinyl ether			----------NA----------				
61		cis-1,3-Dichloropropene			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	116	0.00	12.15	
63	S	Toluene-d8	1.237	1.248	-0.9	118	0.00	10.93	
64	C	Toluene			----------NA----------				
65		2-Nitropropane			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
66		4-Methyl-2-pentanone			----------NA----------				
67		trans-1,3-Dichloropropene			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
68		Tetrachloroethene			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
69		Ethyl methacrylate			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
70		1,1,2-Trichloroethane			----------NA----------				
71		Dibromochloromethane			----------NA----------				
72		1,3-Dichloropropane			----------NA----------				
73		1,2-Dibromoethane			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
74		3,3-dimethyl-1-butanol	1250.000	1114.884	10.8	113	0.00	11.87	
75		2-hexanone			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
76		1-Chlorohexane			----------NA----------				
77	C	Ethylbenzene			----------NA----------				
78	P	Chlorobenzene			----------NA----------				
79		1,1,1,2-Tetrachloroethane			----------NA----------				
80		m,p-Xylene			----------NA----------				
81		o-Xylene			----------NA----------				
82		Styrene			----------NA----------				
		----------	Amount	Calc.	%Drift	----------			
83	P	Bromoform			----------NA----------				
		----------	AvgRF	CCRF	%Dev	----------			
84		Isopropylbenzene			----------NA----------				
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	0.00	13.77	
86	S	4-Bromofluorobenzene	0.759	0.784	-3.3	122	0.00	13.01	
87		cis-1,4-Dichloro-2-butene			----------NA----------				
88		n-Propylbenzene			----------NA----------				
89		Bromobenzene			----------NA----------				
90	P	1,1,2,2-Tetrachloroethane			----------NA----------				
91		1,3,5-Trimethylbenzene			----------NA----------				
92		2-Chlorotoluene			----------NA----------				

Initial Calibration Verification

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2666-ICV2666
Lab FileID: Y64324.D

93	trans-1,4-Dichloro-2-Bute		NA				
	----------	Amount	Calc.	%Drift	----------		
94	1,2,3-Trichloropropane		NA				
	----------	AvgRF	CCRF	%Dev	----------		
95	Cyclohexanone	0.066	0.070	-6.1	121	0.00	13.29
96	4-Chlorotoluene		NA				
97	tert-Butylbenzene		NA				
98	1,2,4-Trimethylbenzene		NA				
	----------	Amount	Calc.	%Drift	----------		
99	Pentachloroethane		NA				
	----------	AvgRF	CCRF	%Dev	----------		
100	sec-Butylbenzene		NA				
101	4-Isopropyltoluene		NA				
102	1,3-Dichlorobenzene		NA				
103	1,2,3-Trimethylbenzene		NA				
104	1,4-Dichlorobenzene		NA				
105	n-Butylbenzene		NA				
	----------	Amount	Calc.	%Drift	----------		
106	Benzyl Chloride		NA				
	----------	AvgRF	CCRF	%Dev	----------		
107	1,2-Dichlorobenzene		NA				
108	1,2-Dibromo-3-Chloropropa		NA				
	----------	Amount	Calc.	%Drift	----------		
109	Hexachlorobutadiene		NA				
	----------	AvgRF	CCRF	%Dev	----------		
110	1,2,4-Trichlorobenzene		NA				
111	Naphthalene		NA				
112	1,2,3-Trichlorobenzene		NA				

(#) = Out of Range SPCC's out = 4 CCC's out = 6
Y64314.D APPIX_08-29-2022_Y.M Tue Aug 30 15:19:26 2022

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2669-CC2666
Lab FileID: Y64378.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2022-09-01\Y64378.D Vial: 2
Acq On : 1 Sep 2022 11:07 am Operator: joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Tue Aug 30 10:25:42 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	93	0.00	9.50
			Amount	Calc.	%Drift			
2		Dichlorodifluoromethane	40.000	42.259	-5.6	101	0.00	2.85
3		Acrolein	200.000	215.871	-7.9	94	0.00	5.58
			AvgRF	CCRF	%Dev			
4	P	Chloromethane	0.311	0.331	-6.4	108	0.00	3.17
5		1,3-butadiene	0.284	0.327	-15.1	99	0.00	3.34
6	C	Vinyl Chloride	0.348	0.363	-4.3	107	0.00	3.31
			Amount	Calc.	%Drift			
7		Bromomethane	40.000	34.528	13.7	72	0.00	3.83
8		Chloroethane	40.000	47.011	-17.5	110	0.00	4.03
			AvgRF	CCRF	%Dev			
9		Trichlorofluoromethane	0.367	0.411	-12.0	105	0.00	4.25
10		Ethyl Ether	0.228	0.242	-6.1	102	0.00	4.74
			Amount	Calc.	%Drift			
11		Ethanol	800.000	836.449	-4.6	90	0.00	5.00
			AvgRF	CCRF	%Dev			
12		1,2-Dichlorotrifluoroetha	0.252	0.278	-10.3	106	0.00	5.04
13	C	1,1-Dichloroethene	0.341	0.379	-11.1	106	0.00	5.05
14		Freon 113	0.237	0.269	-13.5	107	0.00	5.11
15		Carbon Disulfide	0.648	0.723	-11.6	103	0.00	5.10
			Amount	Calc.	%Drift			
16		Iodomethane	40.000	46.530	-16.3	109	0.00	5.27
17		Allyl chloride	40.000	41.167	-2.9	89	0.00	5.78
18		Methylene Chloride	40.000	37.692	5.8	89	0.00	5.96
19		Acetone	200.000	209.005	-4.5	105	0.00	6.03
			AvgRF	CCRF	%Dev			
20		Methyl acetate	0.325	0.367	-12.9	104	0.00	6.22
21		trans-1,2-Dichloroethene	0.340	0.370	-8.8	103	0.00	6.22
22		Hexane	0.183	0.214	-16.9	100	0.00	6.33
23		Methyl Tert Butyl Ether	0.783	0.802	-2.4	98	0.00	6.37
			Amount	Calc.	%Drift			
24		Tert Butyl Alcohol	400.000	414.475	-3.6	99	0.00	6.53

Continuing Calibration Summary

Job Number: FA98456 **Sample:** VY2669-CC2666
Account: BHATALB Bhate Environmental **Lab FileID:** Y64378.D
Project: Griffiss AFB; Rome, NY

25		Acetonitrile	400.000	400.655	-0.2	90	0.00	6.78
			AvgRF	CCRF	%Dev			
26		Di-isopropyl ether	0.832	0.877	-5.4	100	0.00	6.98
			Amount	Calc.	%Drift			
27		Chloroprene	40.000	42.794	-7.0	94	0.00	7.17
			AvgRF	CCRF	%Dev			
28	P	1,1-Dichloroethane	0.442	0.470	-6.3	103	0.00	7.21
			Amount	Calc.	%Drift			
29		Acrylonitrile	200.000	202.483	-1.2	101	0.00	7.30
			AvgRF	CCRF	%Dev			
30		ETBE	0.829	0.875	-5.5	104	0.00	7.57
			Amount	Calc.	%Drift			
31		Vinyl acetate	200.000	205.438	-2.7	100	0.00	7.60
			AvgRF	CCRF	%Dev			
32		cis-1,2-Dichloroethene	0.282	0.300	-6.4	103	0.00	8.03
33		2,2-Dichloropropane	0.367	0.401	-9.3	101	0.00	8.16
34		Bromochloromethane	0.132	0.133	-0.8	99	0.00	8.29
35		Cyclohexane	0.487	0.560	-15.0	104	0.00	8.29
36	C	Chloroform	0.441	0.455	-3.2	98	0.00	8.38
			Amount	Calc.	%Drift			
37		Ethyl acetate	200.000	201.599	-0.8	101	0.00	8.51
			AvgRF	CCRF	%Dev			
38		Tetrahydrofuran	0.202	0.206	-2.0	105	0.00	8.58
39	S	Dibromofluoromethane	0.224	0.227	-1.3	93	0.00	8.60
40		Carbon Tetrachloride	0.296	0.325	-9.8	100	0.00	8.55
41		1,1,1-Trichloroethane	0.386	0.419	-8.5	104	0.00	8.63
42		2-Butanone	0.267	0.272	-1.9	106	0.00	8.74
43		1,1-Dichloropropene	0.352	0.381	-8.2	101	0.00	8.78
44		tert-Butyl formate	0.226	0.255	-12.8	95	0.00	8.89
			Amount	Calc.	%Drift			
45		Propionitrile	400.000	410.902	-2.7	94	0.00	9.08
46		Methacrylonitrile	400.000	408.014	-2.0	94	0.00	9.10
			AvgRF	CCRF	%Dev			
47		Benzene	1.144	1.212	-5.9	103	0.00	9.06
48		TAME	0.810	0.828	-2.2	100	0.00	9.17
49	S	1,2-Dichloroethane-d4	0.274	0.269	1.8	93	0.00	9.21
			Amount	Calc.	%Drift			
50		Isobutyl Alcohol	800.000	844.643	-5.6	94	0.00	9.27
			AvgRF	CCRF	%Dev			
51		1,2-Dichloroethane	0.361	0.367	-1.7	100	0.00	9.28
			Amount	Calc.	%Drift			
52		Tert Amyl Alcohol	400.000	430.154	-7.5	105	0.00	9.37
			AvgRF	CCRF	%Dev			
53		Trichloroethene	0.277	0.301	-8.7	103	0.00	9.67
54		Methylcyclohexane	0.484	0.552	-14.0	103	0.00	9.66

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2669-CC2666
Lab FileID: Y64378.D

55		Dibromomethane	0.156	0.165	-5.8	101	0.00	10.09
56	C	1,2-Dichloropropane	0.274	0.282	-2.9	98	0.00	10.17
57		Bromodichloromethane	0.293	0.311	-6.1	97	0.00	10.23
			Amount	Calc.	%Drift			
58		Methyl methacrylate	40.000	42.070	-5.2	91	0.00	10.34
59		1,4-Dioxane	800.000	814.451	-1.8	94	0.00	10.41
60		2-Chloroethyl vinyl ether	200.000	239.434	-19.7	105	0.00	10.71
61		cis-1,3-Dichloropropene	40.000	42.888	-7.2	100	0.00	10.78
			AvgRF	CCRF	%Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00	12.15
63	S	Toluene-d8	1.237	1.175	5.0	96	0.00	10.93
64	C	Toluene	1.529	1.486	2.8	103	0.00	10.97
65		2-Nitropropane	0.152	0.155	-2.0	102	0.00	11.17
			Amount	Calc.	%Drift			
66		4-Methyl-2-pentanone	200.000	196.603	1.7	108	0.00	11.27
67		trans-1,3-Dichloropropene	40.000	39.693	0.8	99	0.00	11.31
			AvgRF	CCRF	%Dev			
68		Tetrachloroethene	0.369	0.359	2.7	98	0.00	11.30
			Amount	Calc.	%Drift			
69		Ethyl methacrylate	40.000	39.027	2.4	91	0.00	11.40
			AvgRF	CCRF	%Dev			
70		1,1,2-Trichloroethane	0.266	0.255	4.1	100	0.00	11.44
71		Dibromochloromethane	0.285	0.281	1.4	97	0.00	11.59
72		1,3-Dichloropropane	0.580	0.559	3.6	102	0.00	11.66
73		1,2-Dibromoethane	0.328	0.321	2.1	100	0.00	11.79
			Amount	Calc.	%Drift			
74		3,3-dimethyl-1-butanol	2000.000	1875.089	6.2	88	0.00	11.87
75		2-hexanone	200.000	192.181	3.9	111	0.00	11.90
			AvgRF	CCRF	%Dev			
76		1-Chlorohexane	0.460	0.486	-5.7	101	0.00	12.11
77	C	Ethylbenzene	1.684	1.659	1.5	102	0.00	12.15
78	P	Chlorobenzene	0.939	0.905	3.6	100	0.00	12.17
79		1,1,1,2-Tetrachloroethane	0.298	0.296	0.7	101	0.00	12.20
80		m,p-Xylene	1.301	1.292	0.7	102	0.00	12.26
81		o-Xylene	1.249	1.233	1.3	100	0.00	12.57
82		Styrene	0.911	0.942	-3.4	99	0.00	12.61
			Amount	Calc.	%Drift			
83	P	Bromoform	40.000	38.786	3.0	96	0.00	12.67
			AvgRF	CCRF	%Dev			
84		Isopropylbenzene	1.589	1.582	0.4	100	0.00	12.78
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	13.77
86	S	4-Bromofluorobenzene	0.759	0.728	4.1	97	0.00	13.01
87		cis-1,4-Dichloro-2-butene	0.290	0.208	28.3#	65	0.00	13.03
88		n-Propylbenzene	3.670	3.514	4.3	99	0.00	13.07
89		Bromobenzene	0.732	0.678	7.4	96	0.00	13.10
90	P	1,1,2,2-Tetrachloroethane	1.021	0.973	4.7	104	0.00	13.12
91		1,3,5-Trimethylbenzene	2.507	2.389	4.7	99	0.00	13.18
92		2-Chlorotoluene	2.383	2.204	7.5	97	0.00	13.20

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2669-CC2666
Lab FileID: Y64378.D

93	trans-1,4-Dichloro-2-Bute	0.269	0.212	21.2#	78	0.00	13.24
		Amount	Calc.	%Drift			
94	1,2,3-Trichloropropane	40.000	38.426	3.9	102	0.00	13.23
		AvgRF	CCRF	%Dev			
95	Cyclohexanone	0.066	0.066	0.0	98	0.00	13.29
96	4-Chlorotoluene	2.121	1.970	7.1	99	0.00	13.31
97	tert-Butylbenzene	1.381	1.292	6.4	97	0.00	13.41
98	1,2,4-Trimethylbenzene	2.461	2.354	4.3	100	0.00	13.46
		Amount	Calc.	%Drift			
99	Pentachloroethane	40.000	37.257	6.9	88	0.00	13.46
		AvgRF	CCRF	%Dev			
100	sec-Butylbenzene	2.997	2.882	3.8	97	0.00	13.53
101	4-Isopropyltoluene	2.518	2.435	3.3	99	0.00	13.61
102	1,3-Dichlorobenzene	1.317	1.216	7.7	99	0.00	13.72
103	1,2,3-Trimethylbenzene	2.488	2.353	5.4	100	0.00	13.76
104	1,4-Dichlorobenzene	1.396	1.262	9.6	98	0.00	13.78
105	n-Butylbenzene	1.249	1.176	5.8	96	0.00	13.90
		Amount	Calc.	%Drift			
106	Benzyl Chloride	40.000	40.156	-0.4	99	0.00	13.93
		AvgRF	CCRF	%Dev			
107	1,2-Dichlorobenzene	1.288	1.222	5.1	101	0.00	14.07
108	1,2-Dibromo-3-Chloropropa	0.238	0.248	-4.2	105	0.00	14.60
		Amount	Calc.	%Drift			
109	Hexachlorobutadiene	40.000	36.230	9.4	92	0.00	15.01
		AvgRF	CCRF	%Dev			
110	1,2,4-Trichlorobenzene	0.842	0.779	7.5	97	0.00	15.06
111	Naphthalene	3.627	3.554	2.0	103	0.00	15.31
112	1,2,3-Trichlorobenzene	0.844	0.782	7.3	99	0.00	15.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y64315.D APPIX_08-29-2022_Y.M Thu Sep 01 11:26:08 2022

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2669-ECC2666
Lab FileID: Y64405.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\jo...-2022\vy2669\Y64405.D Vial: 29
Acq On : 1 Sep 2022 10:18 pm Operator: joannel
Sample : ECC2666-5 Inst : MSVOA14-Y
Misc : MS52308,VY2669,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\met...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Fri Sep 14 08:38:11 2018
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	88	0.00	9.50
			True	Calc.	% Drift			
2		Dichlorodifluoromethane	40.000	39.317	1.7	89	0.00	2.85
3		Acrolein	200.000	208.328	-4.2	85	0.00	5.58
			AvgRF	CCRF	% Dev			
4	P	Chloromethane	0.311	0.312	-0.3	97	0.00	3.18
5		1,3-butadiene	0.284	0.312	-9.9	89	0.00	3.34
6	C	Vinyl Chloride	0.348	0.341	2.0	95	0.00	3.31
			True	Calc.	% Drift			
7		Bromomethane	40.000	54.593	-36.5	118	0.00	3.83
8		Chloroethane	40.000	46.368	-15.9	102	0.00	4.03
			AvgRF	CCRF	% Dev			
9		Trichlorofluoromethane	0.367	0.394	-7.4	95	0.00	4.24
10		Ethyl Ether	0.228	0.243	-6.6	97	0.00	4.75
			True	Calc.	% Drift			
11		Ethanol	800.000	939.853	-17.5	99	0.00	5.00
			AvgRF	CCRF	% Dev			
12		1,2-Dichlorotrifluoroetha	0.252	0.260	-3.2	94	0.00	5.04
13	C	1,1-Dichloroethene	0.341	0.373	-9.4	98	0.00	5.04
14		Freon 113	0.237	0.250	-5.5	94	0.00	5.10
15		Carbon Disulfide	0.648	0.696	-7.4	94	0.00	5.10
			True	Calc.	% Drift			
16		Iodomethane	40.000	45.821	-14.6	101	0.00	5.27
17		Allyl chloride	40.000	39.450	1.4	80	0.00	5.79
18		Methylene Chloride	40.000	40.387	-1.0	90	0.00	5.96
19		Acetone	200.000	218.548	-9.3	104	0.00	6.04
			AvgRF	CCRF	% Dev			
20		Methyl acetate	0.325	0.388	-19.4	104	0.00	6.22
21		trans-1,2-Dichloroethene	0.340	0.360	-5.9	95	0.00	6.22
22		Hexane	0.183	0.196	-7.1	86	0.00	6.33
23		Methyl Tert Butyl Ether	0.783	0.817	-4.3	95	0.00	6.38
			True	Calc.	% Drift			
24		Tert Butyl Alcohol	400.000	441.475	-10.4	100	0.00	6.53

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY
Sample: VY2669-ECC2666
Lab FileID: Y64405.D

25		Acetonitrile	400.000	437.450	-9.4	93	0.00	6.78
			AvgRF	CCRF	% Dev			
26		Di-isopropyl ether	0.832	0.890	-7.0	96	0.00	6.98
			True	Calc.	% Drift			
27		Chloroprene	40.000	40.084	-0.2	83	0.00	7.17
			AvgRF	CCRF	% Dev			
28	P	1,1-Dichloroethane	0.442	0.472	-6.8	97	0.00	7.22
			True	Calc.	% Drift			
29		Acrylonitrile	200.000	211.948	-6.0	101	0.00	7.30
			AvgRF	CCRF	% Dev			
30		ETBE	0.829	0.898	-8.3	100	0.00	7.57
			True	Calc.	% Drift			
31		Vinyl acetate	200.000	205.770	-2.9	94	0.00	7.60
			AvgRF	CCRF	% Dev			
32		cis-1,2-Dichloroethene	0.282	0.299	-6.0	96	0.00	8.03
33		2,2-Dichloropropane	0.367	0.318	13.4	75	0.00	8.17
34		Bromochloromethane	0.132	0.132	0.0	93	0.00	8.29
35		Cyclohexane	0.487	0.540	-10.9	95	0.00	8.29
36	C	Chloroform	0.441	0.472	-7.0	96	0.00	8.38
			True	Calc.	% Drift			
37		Ethyl acetate	200.000	207.175	-3.6	99	0.00	8.51
			AvgRF	CCRF	% Dev			
38		Tetrahydrofuran	0.202	0.209	-3.5	100	0.00	8.58
39	S	Dibromofluoromethane	0.224	0.228	-1.8	88	0.00	8.60
40		Carbon Tetrachloride	0.296	0.308	-4.1	90	0.00	8.55
41		1,1,1-Trichloroethane	0.386	0.407	-5.4	95	0.00	8.63
42		2-Butanone	0.267	0.283	-6.0	104	0.00	8.74
43		1,1-Dichloropropene	0.352	0.379	-7.7	95	0.00	8.78
44		tert-Butyl formate	0.226	0.252	-11.5	89	0.00	8.89
			True	Calc.	% Drift			
45		Propionitrile	400.000	417.394	-4.3	90	0.00	9.08
46		Methacrylonitrile	400.000	416.400	-4.1	90	0.00	9.10
			AvgRF	CCRF	% Dev			
47		Benzene	1.144	1.220	-6.6	97	0.00	9.06
48		TAME	0.810	0.852	-5.2	98	0.00	9.17
49	S	1,2-Dichloroethane-d4	0.274	0.269	1.8	88	0.00	9.21
			True	Calc.	% Drift			
50		Isobutyl Alcohol	800.000	901.840	-12.7	97	0.00	9.28
			AvgRF	CCRF	% Dev			
51		1,2-Dichloroethane	0.361	0.378	-4.7	98	0.00	9.28
			True	Calc.	% Drift			
52		Tert Amyl Alcohol	400.000	446.850	-11.7	104	0.00	9.37
			AvgRF	CCRF	% Dev			
53		Trichloroethene	0.277	0.295	-6.5	95	0.00	9.67
54		Methylcyclohexane	0.484	0.537	-11.0	94	0.00	9.66

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2669-ECC2666
Lab FileID: Y64405.D

55		Dibromomethane	0.156	0.167	-7.1	96	0.00	10.09
56	C	1,2-Dichloropropane	0.274	0.298	-8.8	98	0.00	10.17
57		Bromodichloromethane	0.293	0.320	-9.2	94	0.00	10.23
			True	Calc.	% Drift			
58		Methyl methacrylate	40.000	43.258	-8.1	89	0.00	10.34
59		1,4-Dioxane	800.000	990.074	-23.8	110	0.00	10.41
60		2-Chloroethyl vinyl ether	200.000	246.094	-23.0	102	0.00	10.71
61		cis-1,3-Dichloropropene	40.000	42.053	-5.1	93	0.00	10.78
			AvgRF	CCRF	% Dev			
62	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00	12.15
63	S	Toluene-d8	1.237	1.189	3.9	91	0.00	10.93
64	C	Toluene	1.529	1.491	2.5	97	0.00	10.97
65		2-Nitropropane	0.152	0.155	-2.0	96	0.00	11.17
			True	Calc.	% Drift			
66		4-Methyl-2-pentanone	200.000	205.267	-2.6	107	0.00	11.27
67		trans-1,3-Dichloropropene	40.000	39.239	1.9	93	0.00	11.31
			AvgRF	CCRF	% Dev			
68		Tetrachloroethene	0.369	0.358	3.0	93	0.00	11.30
			True	Calc.	% Drift			
69		Ethyl methacrylate	40.000	39.434	1.4	87	0.00	11.40
			AvgRF	CCRF	% Dev			
70		1,1,2-Trichloroethane	0.266	0.258	3.0	95	0.00	11.44
71		Dibromochloromethane	0.285	0.281	1.4	92	0.00	11.59
72		1,3-Dichloropropane	0.580	0.564	2.8	97	0.00	11.66
73		1,2-Dibromoethane	0.328	0.324	1.2	96	0.00	11.79
			True	Calc.	% Drift			
74		3,3-dimethyl-1-butanol	2000.000	1979.903	1.0	89	0.00	11.87
75		2-hexanone	200.000	194.914	2.5	107	0.00	11.90
			AvgRF	CCRF	% Dev			
76		1-Chlorohexane	0.460	0.472	-2.6	92	0.00	12.11
77	C	Ethylbenzene	1.684	1.683	0.1	98	0.00	12.15
78	P	Chlorobenzene	0.939	0.928	1.2	97	0.00	12.17
79		1,1,1,2-Tetrachloroethane	0.298	0.298	0.0	96	0.00	12.20
80		m,p-Xylene	1.301	1.305	-0.3	97	0.00	12.26
81		o-Xylene	1.249	1.285	-2.9	98	0.00	12.57
82		Styrene	0.911	1.007	-10.5	100	0.00	12.61
			True	Calc.	% Drift			
83	P	Bromoform	40.000	34.978	12.6	81	0.00	12.67
			AvgRF	CCRF	% Dev			
84		Isopropylbenzene	1.589	1.620	-2.0	97	0.00	12.78
85	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00	13.77
86	S	4-Bromofluorobenzene	0.759	0.707	6.9	89	0.00	13.01
87		cis-1,4-Dichloro-2-butene	0.290	0.181	37.6	53	0.00	13.03
88		n-Propylbenzene	3.670	3.653	0.5	98	0.00	13.07
89		Bromobenzene	0.732	0.662	9.6	89	0.00	13.10
90	P	1,1,2,2-Tetrachloroethane	1.021	0.986	3.4	100	0.00	13.12
91		1,3,5-Trimethylbenzene	2.507	2.492	0.6	98	0.00	13.18
92		2-Chlorotoluene	2.383	2.288	4.0	96	0.00	13.20

Continuing Calibration Summary

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Sample: VY2669-ECC2666
Lab FileID: Y64405.D

93	trans-1,4-Dichloro-2-Bute	0.269	0.179	33.5	62	0.00	13.24
	----------	True	Calc.	% Drift	----------		
94	1,2,3-Trichloropropane	40.000	38.796	3.0	98	0.00	13.23
	----------	AvgRF	CCRF	% Dev	----------		
95	Cyclohexanone	0.066	0.068	-3.0	96	0.00	13.29
96	4-Chlorotoluene	2.121	2.072	2.3	99	0.00	13.31
97	tert-Butylbenzene	1.381	1.363	1.3	97	0.00	13.41
98	1,2,4-Trimethylbenzene	2.461	2.470	-0.4	99	0.00	13.46
	----------	True	Calc.	% Drift	----------		
99	Pentachloroethane	40.000	31.932	20.2	71	0.00	13.46
	----------	AvgRF	CCRF	% Dev	----------		
100	sec-Butylbenzene	2.997	3.058	-2.0	98	0.00	13.53
101	4-Isopropyltoluene	2.518	2.557	-1.5	99	0.00	13.61
102	1,3-Dichlorobenzene	1.317	1.223	7.1	94	0.00	13.72
103	1,2,3-Trimethylbenzene	2.488	2.414	3.0	97	0.00	13.76
104	1,4-Dichlorobenzene	1.396	1.270	9.0	93	0.00	13.78
105	n-Butylbenzene	1.249	1.268	-1.5	99	0.00	13.89
	----------	True	Calc.	% Drift	----------		
106	Benzyl Chloride	40.000	28.311	29.2	65	0.00	13.93
	----------	AvgRF	CCRF	% Dev	----------		
107	1,2-Dichlorobenzene	1.288	1.207	6.3	95	0.00	14.07
108	1,2-Dibromo-3-Chloropropa	0.238	0.231	2.9	93	0.00	14.60
	----------	True	Calc.	% Drift	----------		
109	Hexachlorobutadiene	40.000	37.289	6.8	90	0.00	15.00
	----------	AvgRF	CCRF	% Dev	----------		
110	1,2,4-Trichlorobenzene	0.842	0.742	11.9	88	0.00	15.06
111	Naphthalene	3.627	3.513	3.1	96	0.00	15.31
112	1,2,3-Trichlorobenzene	0.844	0.740	12.3	89	0.00	15.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y64315.D APPIX_08-29-2022_Y.M Fri Sep 02 02:33:53 2022

Run Sequence Report

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V1P3565 **Method:** SW846 8260D **Instrument ID:** GCMS1P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1P3565-BFB	1P92262.D	08/24/22 09:33	n/a	BFB Tune
V1P3565-IC3565	1P92262.D	08/24/22 09:34	n/a	Initial cal 1
V1P3565-IC3565	1P92264.D	08/24/22 10:06	n/a	Initial cal 2
V1P3565-IC3565	1P92266.D	08/24/22 10:38	n/a	Initial cal 3
V1P3565-IC3565	1P92268.D	08/24/22 11:10	n/a	Initial cal 4
V1P3565-ICC3565	1P92270.D	08/24/22 11:42	n/a	Initial cal 5
V1P3565-IC3565	1P92272.D	08/24/22 12:15	n/a	Initial cal 6
V1P3565-IC3565	1P92274.D	08/24/22 12:47	n/a	Initial cal 7
V1P3565-ICV3565	1P92278.D	08/24/22 13:52	n/a	Initial cal verification 5
V1P3565-CC3565	1P92278A.D	08/24/22 13:52	n/a	Continuing cal 5
V1P3565-ICV3565	1P92280.D	08/24/22 14:24	n/a	Initial cal verification 4
V1P3565-BS	1P92280A.D	08/24/22 14:24	n/a	Blank Spike
V1P3565-MB	1P92284.D	08/24/22 15:28	n/a	Method Blank
ZZZZZZ	1P92286.D	08/24/22 16:00	n/a	(unrelated sample)
ZZZZZZ	1P92288.D	08/24/22 16:32	n/a	(unrelated sample)
ZZZZZZ	1P92290.D	08/24/22 17:05	n/a	(unrelated sample)
ZZZZZZ	1P92292.D	08/24/22 17:37	n/a	(unrelated sample)
ZZZZZZ	1P92294.D	08/24/22 18:08	n/a	(unrelated sample)
ZZZZZZ	1P92296.D	08/24/22 18:40	n/a	(unrelated sample)
ZZZZZZ	1P92298.D	08/24/22 19:12	n/a	(unrelated sample)
ZZZZZZ	1P92300.D	08/24/22 19:44	n/a	(unrelated sample)
ZZZZZZ	1P92302.D	08/24/22 20:15	n/a	(unrelated sample)
FA98225-15	1P92304.D	08/24/22 20:47	n/a	(used for QC only; not part of job FA98456)
FA98225-15MS	1P92306.D	08/24/22 21:19	n/a	Matrix Spike
FA98225-15MSD	1P92308.D	08/24/22 21:51	n/a	Matrix Spike Duplicate
V1P3565-ECC3565	1P92310.D	08/24/22 22:22	n/a	Ending cal 5

Run Sequence Report

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: V1P3579	**Method:** SW846 8260D	**Instrument ID:** GCMS1P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1P3579-BFB	1P92895.D	09/13/22 11:04	n/a	BFB Tune
V1P3579-CC3565	1P92895.D	09/13/22 11:04	n/a	Continuing cal 5
V1P3579-BS	1P92897.D	09/13/22 11:36	n/a	Blank Spike
V1P3579-MB	1P92901.D	09/13/22 12:40	n/a	Method Blank
FA98456-6	1P92903.D	09/13/22 13:12	n/a	AOC9-SW2PM-0822
ZZZZZZ	1P92909.D	09/13/22 14:49	n/a	(unrelated sample)
ZZZZZZ	1P92911.D	09/13/22 15:21	n/a	(unrelated sample)
ZZZZZZ	1P92913.D	09/13/22 15:54	n/a	(unrelated sample)
FA98710-12	1P92915.D	09/13/22 16:26	n/a	(used for QC only; not part of job FA98456)
ZZZZZZ	1P92917.D	09/13/22 16:59	n/a	(unrelated sample)
ZZZZZZ	1P92919.D	09/13/22 17:32	n/a	(unrelated sample)
ZZZZZZ	1P92927.D	09/13/22 19:42	n/a	(unrelated sample)
ZZZZZZ	1P92929.D	09/13/22 20:15	n/a	(unrelated sample)
FA98710-12MS	1P92935.D	09/13/22 21:52	n/a	Matrix Spike
FA98710-12MSD	1P92937.D	09/13/22 22:24	n/a	Matrix Spike Duplicate
V1P3579-ECC3565	1P92939.D	09/13/22 22:57	n/a	Ending cal 5

Run Sequence Report

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VI2679 **Method:** SW846 8260D **Instrument ID:** GCMSI

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VI2679-IC2679	I750990.D	08/30/22 11:20	n/a	Initial cal 1
VI2679-BFB	I750990.D	08/30/22 11:20	n/a	BFB Tune
VI2679-IC2679	I750991.D	08/30/22 11:44	n/a	Initial cal 2
VI2679-IC2679	I750992.D	08/30/22 12:08	n/a	Initial cal 3
VI2679-IC2679	I750993.D	08/30/22 12:32	n/a	Initial cal 4
VI2679-ICC2679	I750994.D	08/30/22 12:56	n/a	Initial cal 5
VI2679-IC2679	I750995.D	08/30/22 13:20	n/a	Initial cal 6
VI2679-IC2679	I750996.D	08/30/22 13:44	n/a	Initial cal 7
VI2679-ICV2679	I750998.D	08/30/22 14:33	n/a	Initial cal verification 5
VI2679-CC2679	I750998A.D	08/30/22 14:33	n/a	Continuing cal 5
VI2679-ICV2679	I750999.D	08/30/22 14:56	n/a	Initial cal verification 4
VI2679-BS	I750999A.D	08/30/22 14:56	n/a	Blank Spike
VI2679-MB	I751001.D	08/30/22 16:19	n/a	Method Blank
ZZZZZZ	I751002.D	08/30/22 16:42	n/a	(unrelated sample)
ZZZZZZ	I751003.D	08/30/22 17:06	n/a	(unrelated sample)
ZZZZZZ	I751004.D	08/30/22 17:30	n/a	(unrelated sample)
ZZZZZZ	I751005.D	08/30/22 17:54	n/a	(unrelated sample)
ZZZZZZ	I751006.D	08/30/22 18:18	n/a	(unrelated sample)
FA98391-7	I751007.D	08/30/22 18:42	n/a	(used for QC only; not part of job FA98456)
ZZZZZZ	I751008.D	08/30/22 19:06	n/a	(unrelated sample)
ZZZZZZ	I751009.D	08/30/22 19:30	n/a	(unrelated sample)
ZZZZZZ	I751010.D	08/30/22 19:54	n/a	(unrelated sample)
ZZZZZZ	I751011.D	08/30/22 20:17	n/a	(unrelated sample)
FA98391-7MS	I751012.D	08/30/22 20:41	n/a	Matrix Spike
FA98391-7MSD	I751013.D	08/30/22 21:05	n/a	Matrix Spike Duplicate
VI2679-ECC2679	I751014.D	08/30/22 21:29	n/a	Ending cal 5

Run Sequence Report

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VI2680 **Method:** SW846 8260D **Instrument ID:** GCMSI

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VI2680-BFB	I751015.D	08/31/22 13:16	n/a	BFB Tune
VI2680-CC2679	I751016.D	08/31/22 13:40	n/a	Continuing cal 5
VI2680-BS	I751017.D	08/31/22 14:04	n/a	Blank Spike
VI2680-MB	I751020.D	08/31/22 15:15	n/a	Method Blank
ZZZZZZ	I751021.D	08/31/22 16:13	n/a	(unrelated sample)
FA98404-6	I751022.D	08/31/22 16:37	n/a	(used for QC only; not part of job FA98456)
ZZZZZZ	I751025.D	08/31/22 17:50	n/a	(unrelated sample)
ZZZZZZ	I750927.D	08/31/22 18:38	n/a	(unrelated sample)
ZZZZZZ	I751029.D	08/31/22 19:26	n/a	(unrelated sample)
ZZZZZZ	I751030.D	08/31/22 19:50	n/a	(unrelated sample)
ZZZZZZ	I751031.D	08/31/22 20:14	n/a	(unrelated sample)
ZZZZZZ	I751032.D	08/31/22 20:38	n/a	(unrelated sample)
FA98456-4	I751033.D	08/31/22 21:02	n/a	AOC9-MW18-0822
FA98456-5	I751034.D	08/31/22 21:25	n/a	AOC9-MW19-0822
FA98456-6	I751035.D	08/31/22 21:49	n/a	AOC9-SW2PM-0822
FA98456-7	I751036.D	08/31/22 22:13	n/a	AOC9-SW3PM-0822
FA98456-8	I751037.D	08/31/22 22:37	n/a	AOC9-TB01-0822-C
FA98456-9	I751038.D	08/31/22 23:01	n/a	AOC9-MW19-0822-A
FA98456-10	I751039.D	08/31/22 23:24	n/a	AOC9-MW07-0822
FA98404-6MS	I751040.D	08/31/22 23:48	n/a	Matrix Spike
FA98404-6MSD	I751041.D	09/01/22 00:12	n/a	Matrix Spike Duplicate
VI2680-ECC2679	I751042.D	09/01/22 00:36	n/a	Ending cal 5

Run Sequence Report

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VO2796 **Method:** SW846 8260D **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2796-BFB	O70541.D	08/23/22 11:06	n/a	BFB Tune
VO2796-IC2796	O70542.D	08/23/22 12:41	n/a	Initial cal 1
VO2796-IC2796	O70543.D	08/23/22 13:05	n/a	Initial cal 2
VO2796-IC2796	O70544.D	08/23/22 13:30	n/a	Initial cal 3
VO2796-IC2796	O70545.D	08/23/22 13:55	n/a	Initial cal 4
VO2796-ICC2796	O70546.D	08/23/22 15:09	n/a	Initial cal 5
VO2796-IC2796	O70547.D	08/23/22 15:34	n/a	Initial cal 6
VO2796-IC2796	O70548.D	08/23/22 15:59	n/a	Initial cal 7
VO2796-ICV2796	O70550.D	08/23/22 16:49	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VO2809 **Method:** SW846 8260D **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2809-BFB	O70826.D	09/02/22 12:21	n/a	BFB Tune
VO2809-CC2796	O70826.D	09/02/22 12:22	n/a	Continuing cal 5
VO2809-BS	O70827.D	09/02/22 12:47	n/a	Blank Spike
VO2809-MB	O70829.D	09/02/22 13:37	n/a	Method Blank
ZZZZZZ	O70830.D	09/02/22 14:02	n/a	(unrelated sample)
ZZZZZZ	O70831.D	09/02/22 14:27	n/a	(unrelated sample)
ZZZZZZ	O70832.D	09/02/22 14:52	n/a	(unrelated sample)
ZZZZZZ	O70833.D	09/02/22 15:17	n/a	(unrelated sample)
ZZZZZZ	O70834.D	09/02/22 15:42	n/a	(unrelated sample)
ZZZZZZ	O70835.D	09/02/22 16:07	n/a	(unrelated sample)
ZZZZZZ	O70836.D	09/02/22 16:32	n/a	(unrelated sample)
ZZZZZZ	O70837.D	09/02/22 16:56	n/a	(unrelated sample)
ZZZZZZ	O70838.D	09/02/22 17:21	n/a	(unrelated sample)
ZZZZZZ	O70839.D	09/02/22 17:46	n/a	(unrelated sample)
ZZZZZZ	O70840.D	09/02/22 18:11	n/a	(unrelated sample)
ZZZZZZ	O70841.D	09/02/22 18:36	n/a	(unrelated sample)
ZZZZZZ	O70842.D	09/02/22 19:01	n/a	(unrelated sample)
FA98456-4	O70844.D	09/02/22 19:51	n/a	AOC9-MW18-0822
FA98394-2	O70845.D	09/02/22 20:16	n/a	(used for QC only; not part of job FA98456)
ZZZZZZ	O70846.D	09/02/22 20:40	n/a	(unrelated sample)
ZZZZZZ	O70847.D	09/02/22 21:05	n/a	(unrelated sample)
FA98394-2MS	O70848.D	09/02/22 21:30	n/a	Matrix Spike
FA98394-2MSD	O70849.D	09/02/22 21:55	n/a	Matrix Spike Duplicate
VO2809-ECC2796	O70852.D	09/02/22 23:09	n/a	Ending cal 5

Run Sequence Report

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VY2666 **Method:** SW846 8260D **Instrument ID:** GCMSY

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VY2666-BFB	Y64310.D	08/29/22 12:11	n/a	BFB Tune
VY2666-IC2666	Y64311.D	08/29/22 13:05	n/a	Initial cal 1
VY2666-IC2666	Y64312.D	08/29/22 13:29	n/a	Initial cal 2
VY2666-IC2666	Y64313.D	08/29/22 13:54	n/a	Initial cal 3
VY2666-IC2666	Y64314.D	08/29/22 14:19	n/a	Initial cal 4
VY2666-ICC2666	Y64315.D	08/29/22 14:44	n/a	Initial cal 5
VY2666-IC2666	Y64316.D	08/29/22 15:09	n/a	Initial cal 6
VY2666-IC2666	Y64317.D	08/29/22 15:33	n/a	Initial cal 7
VY2666-ICV2666	Y64323.D	08/30/22 11:36	n/a	Initial cal verification 5
VY2666-ICV2666	Y64324.D	08/30/22 12:01	n/a	Initial cal verification 4

Run Sequence Report

Job Number: FA98456
Account: BHATALB Bhate Environmental
Project: Griffiss AFB; Rome, NY

Run ID: VY2669 **Method:** SW846 8260D **Instrument ID:** GCMSY

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VY2669-BFB	Y64378.D	09/01/22 11:06	n/a	BFB Tune
VY2669-CC2666	Y64378.D	09/01/22 11:07	n/a	Continuing cal 5
VY2669-BS	Y64379.D	09/01/22 11:32	n/a	Blank Spike
VY2669-MB	Y64382.D	09/01/22 12:46	n/a	Method Blank
ZZZZZZ	Y64383.D	09/01/22 13:11	n/a	(unrelated sample)
ZZZZZZ	Y64384.D	09/01/22 13:37	n/a	(unrelated sample)
ZZZZZZ	Y64385.D	09/01/22 14:02	n/a	(unrelated sample)
ZZZZZZ	Y64386.D	09/01/22 14:27	n/a	(unrelated sample)
ZZZZZZ	Y64387.D	09/01/22 14:52	n/a	(unrelated sample)
ZZZZZZ	Y64388.D	09/01/22 15:17	n/a	(unrelated sample)
ZZZZZZ	Y64389.D	09/01/22 15:43	n/a	(unrelated sample)
ZZZZZZ	Y64390.D	09/01/22 16:08	n/a	(unrelated sample)
ZZZZZZ	Y64391.D	09/01/22 16:33	n/a	(unrelated sample)
FA98455-4	Y64392.D	09/01/22 16:58	n/a	(used for QC only; not part of job FA98456)
ZZZZZZ	Y64393.D	09/01/22 17:23	n/a	(unrelated sample)
ZZZZZZ	Y64394.D	09/01/22 17:48	n/a	(unrelated sample)
ZZZZZZ	Y64395.D	09/01/22 18:13	n/a	(unrelated sample)
FA98456-1	Y64396.D	09/01/22 18:38	n/a	AOC9-MW14-0822
FA98456-2	Y64397.D	09/01/22 19:02	n/a	AOC9-MW15-0822
FA98456-3	Y64398.D	09/01/22 19:27	n/a	AOC9-MW17-0822
ZZZZZZ	Y64399.D	09/01/22 19:51	n/a	(unrelated sample)
ZZZZZZ	Y64400.D	09/01/22 20:16	n/a	(unrelated sample)
FA98455-4MS	Y64401.D	09/01/22 20:40	n/a	Matrix Spike
FA98455-4MSD	Y64402.D	09/01/22 21:05	n/a	Matrix Spike Duplicate
FA98456-3MS	Y64403.D	09/01/22 21:29	n/a	Matrix Spike
FA98456-3MSD	Y64404.D	09/01/22 21:53	n/a	Matrix Spike Duplicate
VY2669-ECC2666	Y64405.D	09/01/22 22:18	n/a	Ending cal 5

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64396.D
Acq On : 1 Sep 2022 6:38 pm
Operator : joannel
Sample : FA98456-1
Misc : MS52308,VY2669,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 02 02:21:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

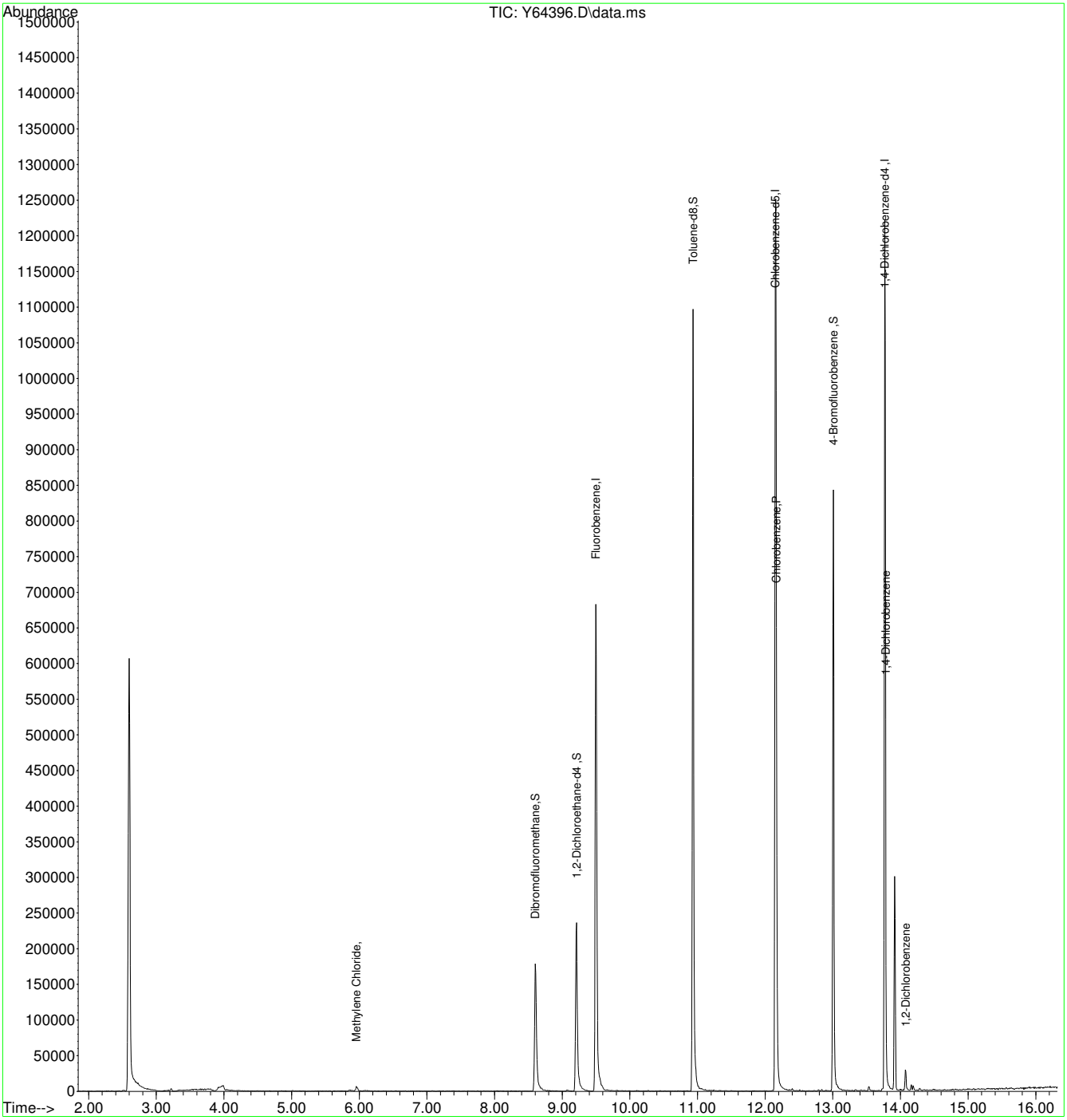
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	558970	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	465463	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	219814	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	116409	46.48	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.96%			
49) 1,2-Dichloroethane-d4	9.211	65	156965	51.31	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.62%			
63) Toluene-d8	10.933	98	573466	49.81	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.62%			
86) 4-Bromofluorobenzene	13.007	174	154277	46.23	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.46%			
Target Compounds						Qvalue
18) Methylene Chloride	5.956	49	5048	1.11	ug/L	81
78) Chlorobenzene	12.167	112	209354	23.95	ug/L	82
104) 1,4-Dichlorobenzene	13.780	146	16822	2.74	ug/L #	68
107) 1,2-Dichlorobenzene	14.078	146	9154	1.62	ug/L	90

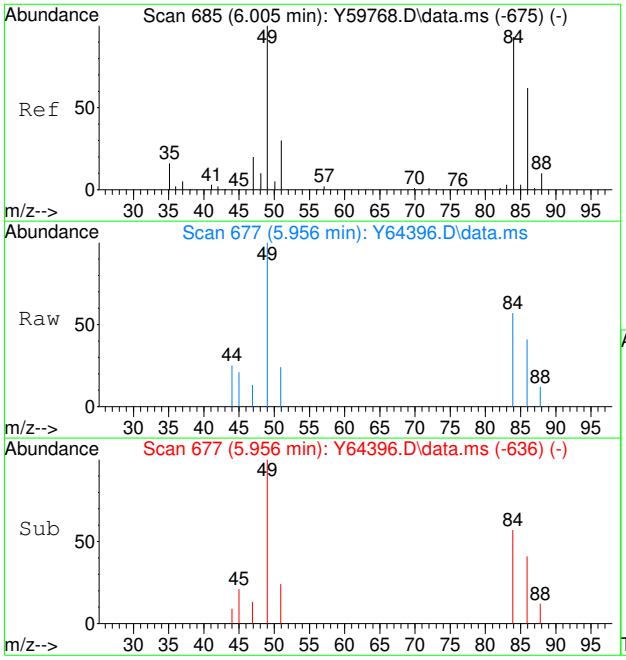
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64396.D
Acq On : 1 Sep 2022 6:38 pm
Operator : joannel
Sample : FA98456-1
Misc : MS52308,VY2669,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 02 02:21:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

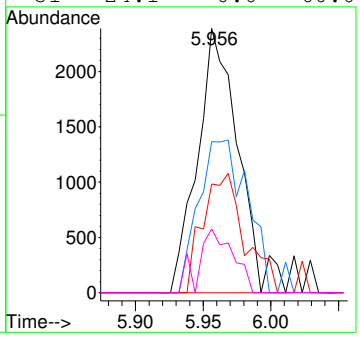


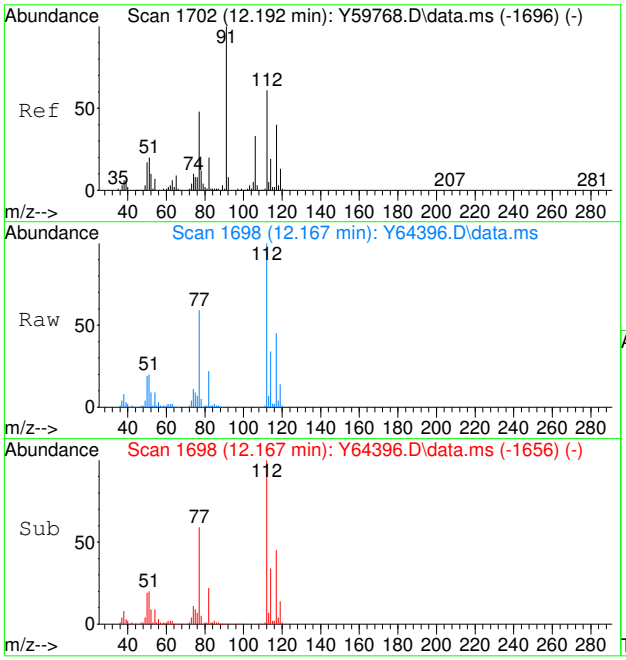


#18
Methylene Chloride
Concen: 1.11 ug/L
RT: 5.956 min Scan# 677
Delta R.T. 0.000 min
Lab File: Y64396.D
Acq: 1 Sep 2022 6:38 pm

Tgt Ion: 49 Resp: 5048

Ion	Ratio	Lower	Upper
49	100		
84	57.1	48.1	108.1
86	41.2	21.4	81.4
51	24.1	0.0	60.0

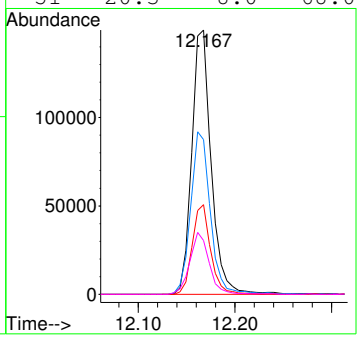


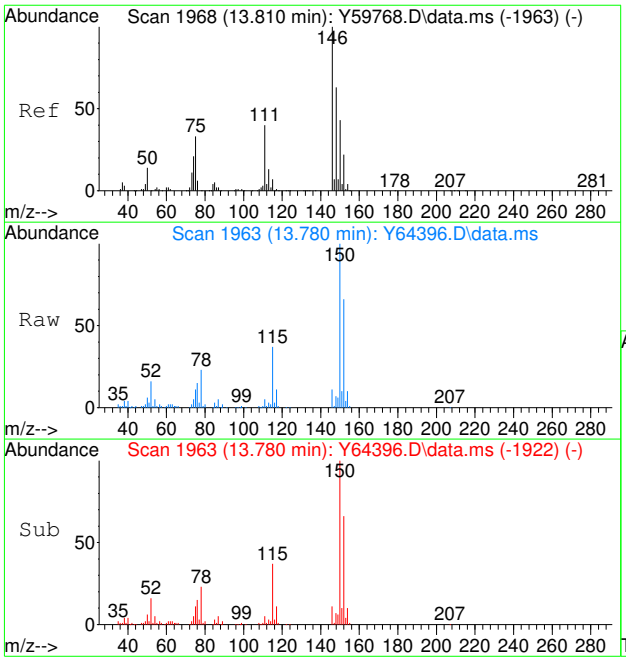


#78
Chlorobenzene
Concen: 23.95 ug/L
RT: 12.167 min Scan# 1698
Delta R.T. 0.006 min
Lab File: Y64396.D
Acq: 1 Sep 2022 6:38 pm

Tgt Ion:112 Resp: 209354

Ion	Ratio	Lower	Upper
112	100		
77	58.5	43.8	103.8
114	33.9	2.2	62.2
51	20.3	8.0	68.0

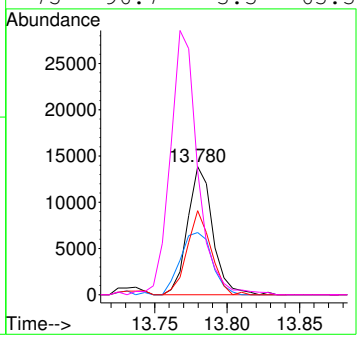


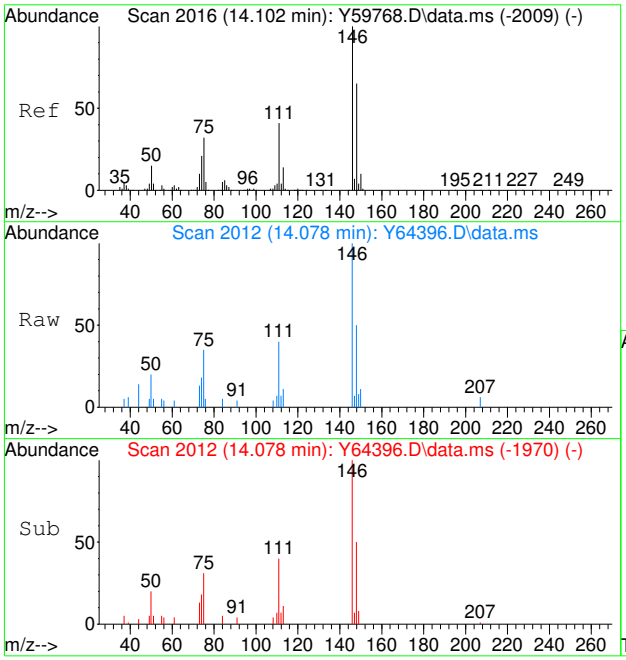


#104
1,4-Dichlorobenzene
Concen: 2.74 ug/L
RT: 13.780 min Scan# 1963
Delta R.T. 0.000 min
Lab File: Y64396.D
Acq: 1 Sep 2022 6:38 pm

Tgt Ion:146 Resp: 16822

Ion	Ratio	Lower	Upper
146	100		
111	48.5	8.9	68.9
148	65.7	35.1	95.1
75	96.7	3.3	63.3#

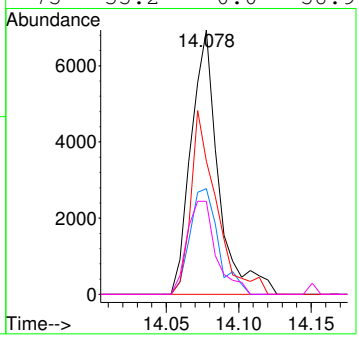




#107
1,2-Dichlorobenzene
Concen: 1.62 ug/L
RT: 14.078 min Scan# 2012
Delta R.T. 0.006 min
Lab File: Y64396.D
Acq: 1 Sep 2022 6:38 pm

Tgt Ion:146 Resp: 9154

Ion	Ratio	Lower	Upper
146	100		
111	40.0	10.2	70.2
148	50.4	32.9	92.9
75	35.2	0.0	58.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64397.D
Acq On : 1 Sep 2022 7:02 pm
Operator : joannel
Sample : FA98456-2
Misc : MS52308,VY2669,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 02 02:21:46 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

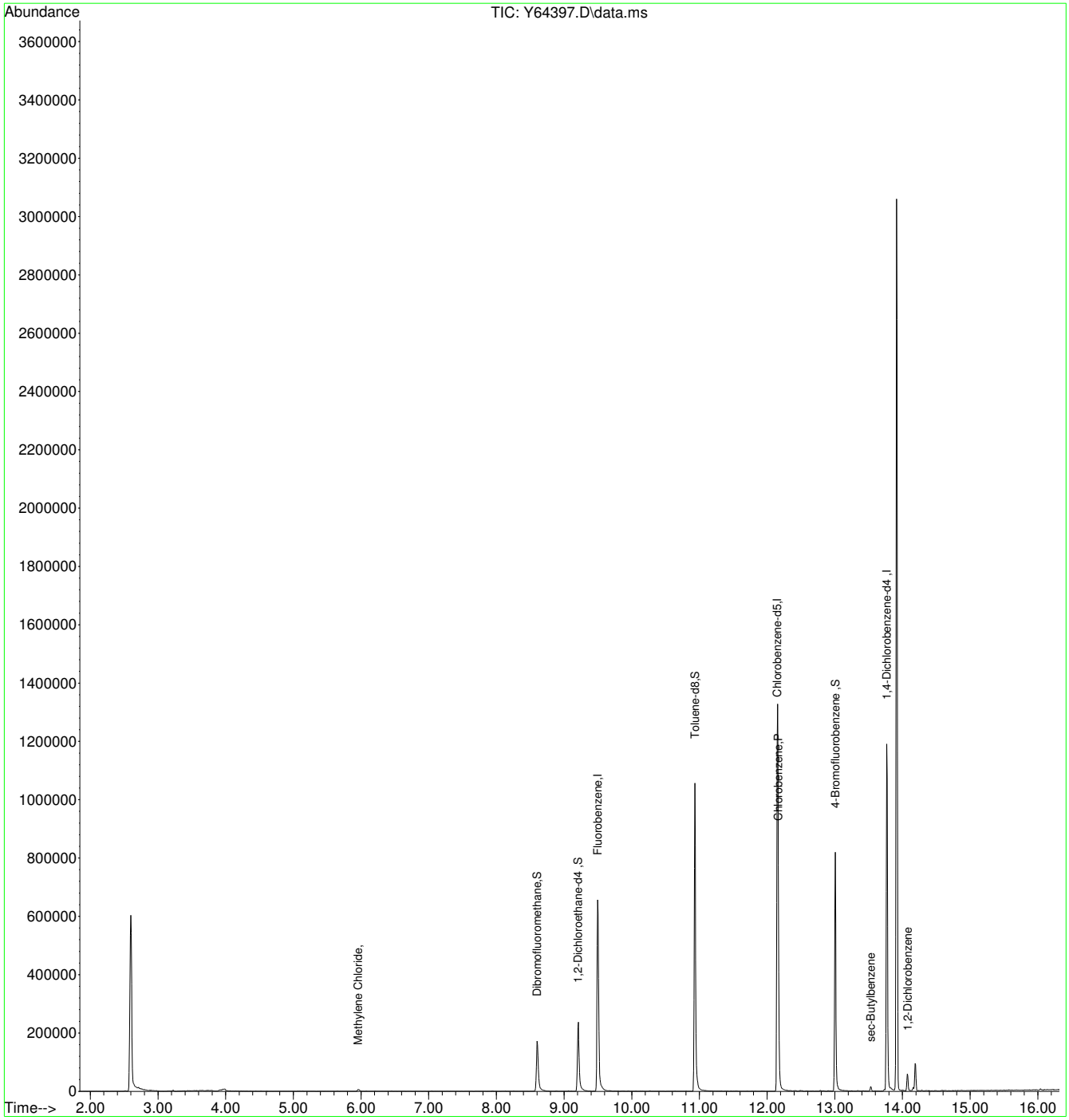
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.496	96	541372	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	452691	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	215230	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	111817	46.10	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.20%			
49) 1,2-Dichloroethane-d4	9.204	65	151503	51.14	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.28%			
63) Toluene-d8	10.932	98	563889	50.36	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.72%			
86) 4-Bromofluorobenzene	13.007	174	150344	46.01	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.02%			
Target Compounds						Qvalue
18) Methylene Chloride	5.956	49	4246	0.97	ug/L	89
78) Chlorobenzene	12.167	112	267880	31.51	ug/L	81
100) sec-Butylbenzene	13.530	105	5305	0.41	ug/L #	45
107) 1,2-Dichlorobenzene	14.077	146	19015	3.43	ug/L	98

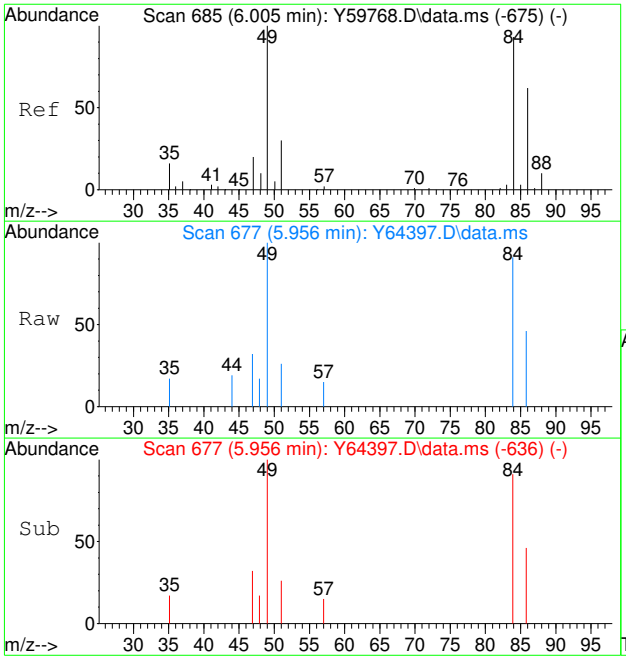
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64397.D
Acq On : 1 Sep 2022 7:02 pm
Operator : joannel
Sample : FA98456-2
Misc : MS52308,VY2669,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 02 02:21:46 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

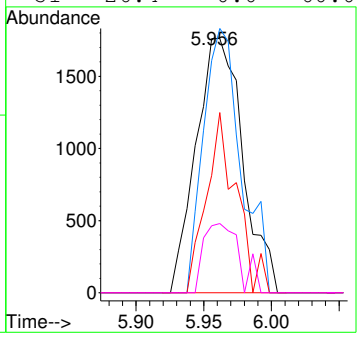


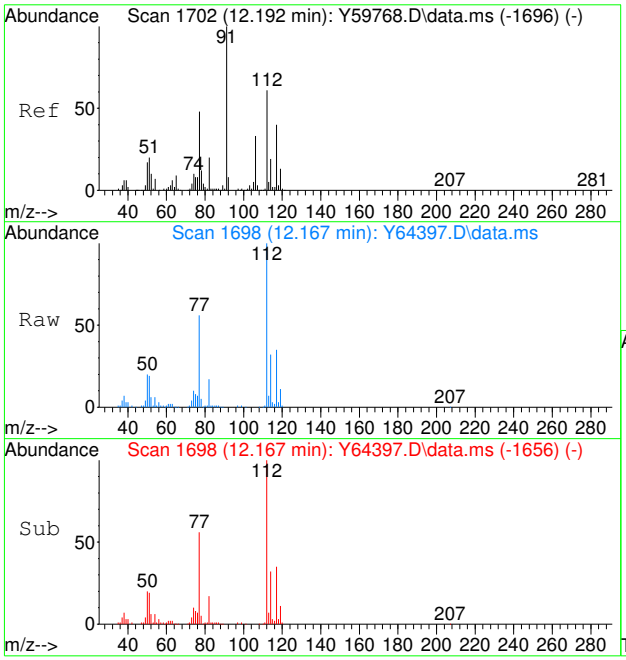


#18
Methylene Chloride
Concen: 0.97 ug/L
RT: 5.956 min Scan# 677
Delta R.T. -0.000 min
Lab File: Y64397.D
Acq: 1 Sep 2022 7:02 pm

Tgt Ion: 49 Resp: 4246

Ion	Ratio	Lower	Upper
49	100		
84	91.4	48.1	108.1
86	46.2	21.4	81.4
51	26.4	0.0	60.0

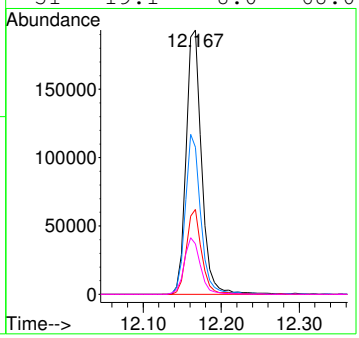


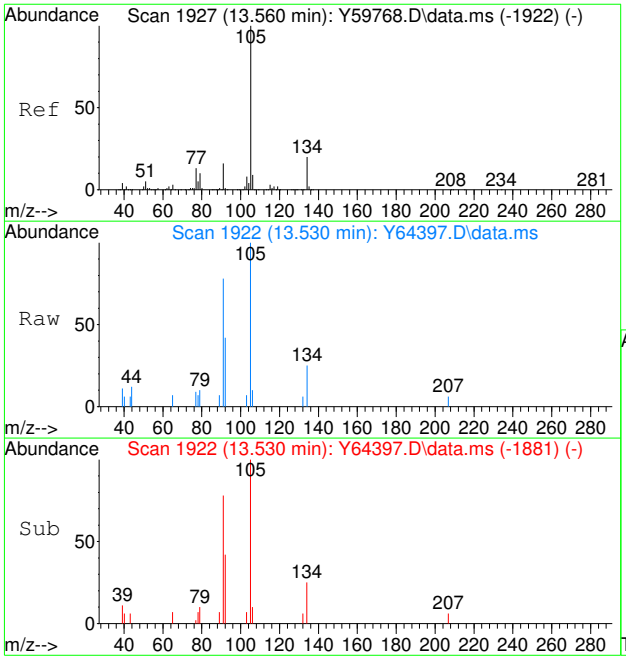


#78
Chlorobenzene
Concen: 31.51 ug/L
RT: 12.167 min Scan# 1698
Delta R.T. 0.006 min
Lab File: Y64397.D
Acq: 1 Sep 2022 7:02 pm

Tgt Ion:112 Resp: 267880

Ion	Ratio	Lower	Upper
112	100		
77	55.6	43.8	103.8
114	32.1	2.2	62.2
51	19.1	8.0	68.0

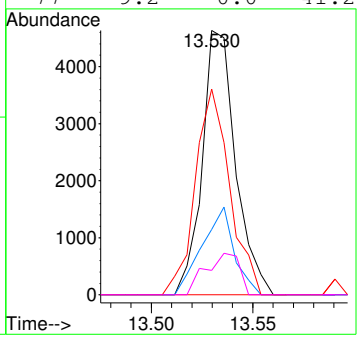


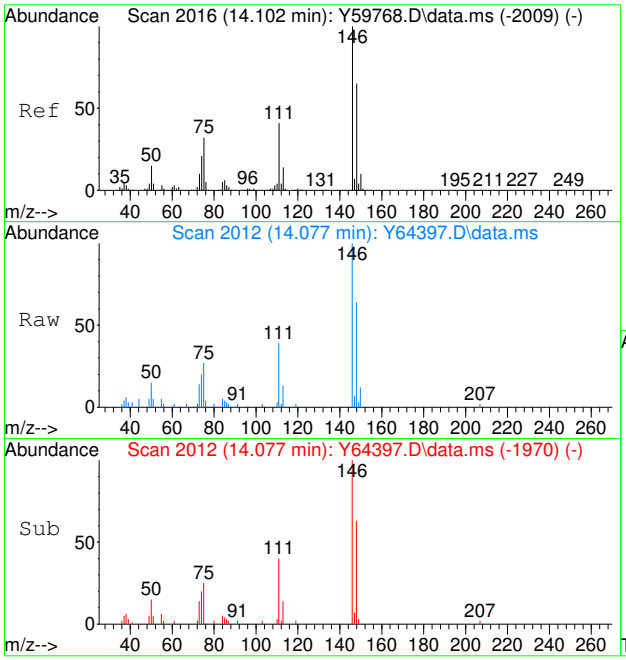


#100
sec-Butylbenzene
Concen: 0.41 ug/L
RT: 13.530 min Scan# 1922
Delta R.T. -0.000 min
Lab File: Y64397.D
Acq: 1 Sep 2022 7:02 pm

Tgt Ion:105 Resp: 5305

Ion	Ratio	Lower	Upper
105	100		
134	24.7	0.0	50.1
91	77.9	0.0	45.1#
77	9.2	0.0	41.2

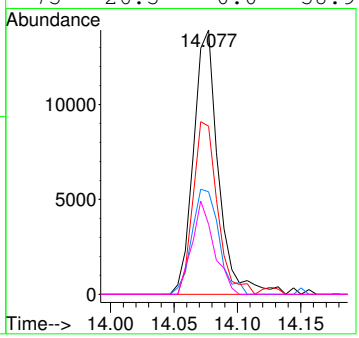




#107
1,2-Dichlorobenzene
Concen: 3.43 ug/L
RT: 14.077 min Scan# 2012
Delta R.T. 0.006 min
Lab File: Y64397.D
Acq: 1 Sep 2022 7:02 pm

Tgt Ion:146 Resp: 19015

Ion	Ratio	Lower	Upper
146	100		
111	38.8	10.2	70.2
148	63.6	32.9	92.9
75	26.5	0.0	58.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64398.D
Acq On : 1 Sep 2022 7:27 pm
Operator : joannel
Sample : FA98456-3
Misc : MS52308,VY2669,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 02 02:22:12 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

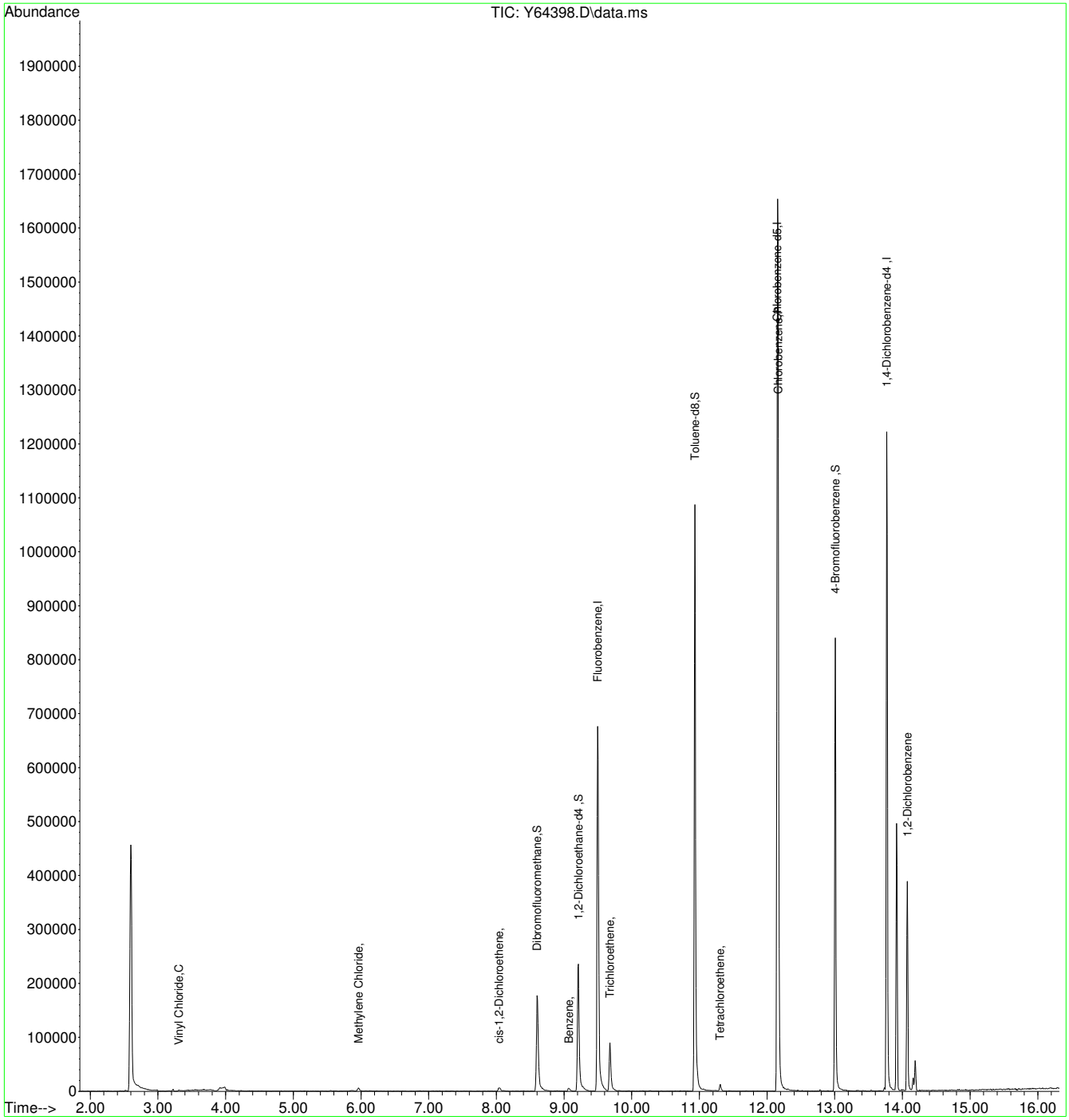
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	550512	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	470131	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	213322	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	115818	46.96	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.92%			
49) 1,2-Dichloroethane-d4	9.211	65	155226	51.52	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.04%			
63) Toluene-d8	10.932	98	578829	49.78	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.56%			
86) 4-Bromofluorobenzene	13.007	174	152001	46.94	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.88%			
Target Compounds						Qvalue
6) Vinyl Chloride	3.310	62	1679	0.44	ug/L	95
18) Methylene Chloride	5.962	49	3889	0.87	ug/L	93
32) cis-1,2-Dichloroethene	8.037	96	4128	1.33	ug/L #	74
47) Benzene	9.071	78	7127	0.57	ug/L	90
53) Trichloroethene	9.679	95	30352	9.95	ug/L	90
68) Tetrachloroethene	11.304	166	2938	0.85	ug/L	85
78) Chlorobenzene	12.167	112	466143	52.81	ug/L	82
107) 1,2-Dichlorobenzene	14.072	146	107753	19.61	ug/L	92

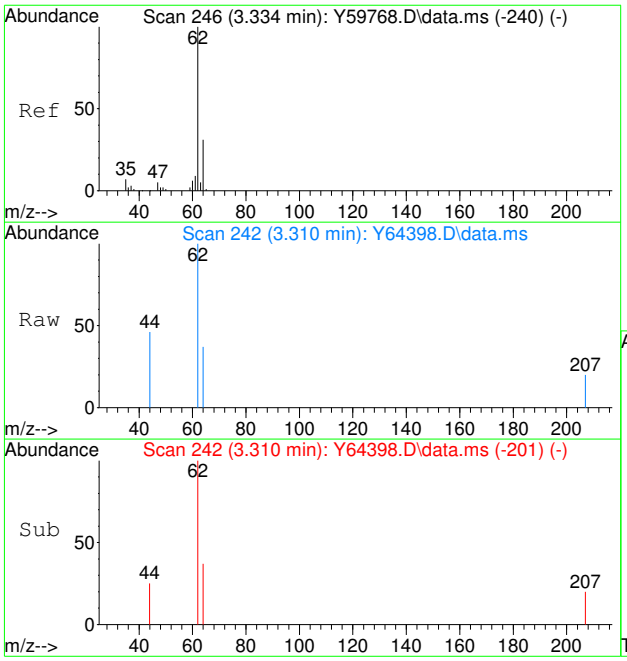
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64398.D
Acq On : 1 Sep 2022 7:27 pm
Operator : joannel
Sample : FA98456-3
Misc : MS52308,VY2669,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 02 02:22:12 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

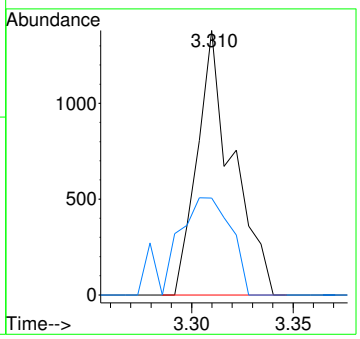


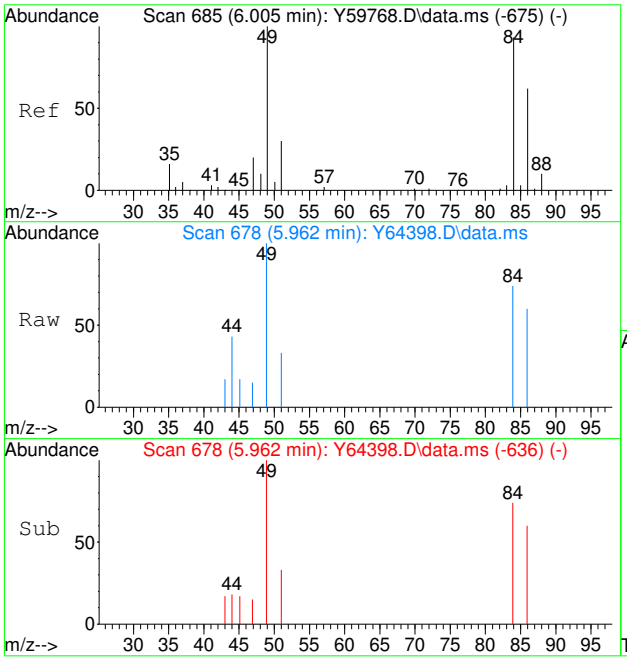


#6
Vinyl Chloride
Concen: 0.44 ug/L
RT: 3.310 min Scan# 242
Delta R.T. 0.000 min
Lab File: Y64398.D
Acq: 1 Sep 2022 7:27 pm

Tgt Ion: 62 Resp: 1679

Ion	Ratio	Lower	Upper
62	100		
64	36.6	3.7	63.7

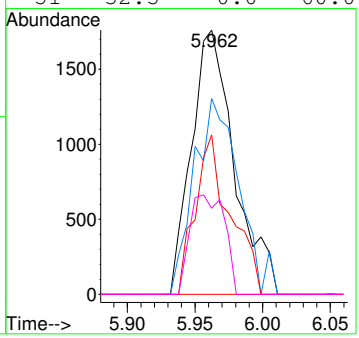


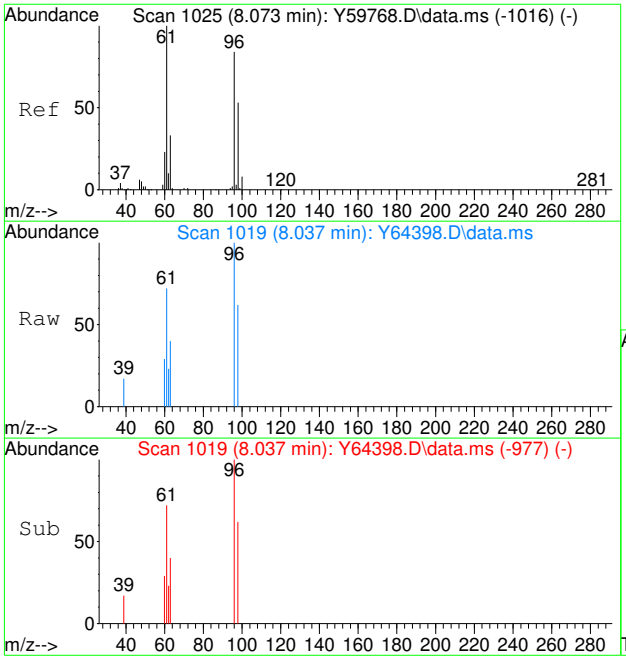


#18
Methylene Chloride
Concen: 0.87 ug/L
RT: 5.962 min Scan# 678
Delta R.T. 0.006 min
Lab File: Y64398.D
Acq: 1 Sep 2022 7:27 pm

Tgt Ion: 49 Resp: 3889

Ion	Ratio	Lower	Upper
49	100		
84	74.1	48.1	108.1
86	60.3	21.4	81.4
51	32.5	0.0	60.0

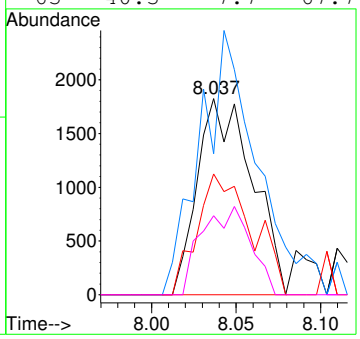


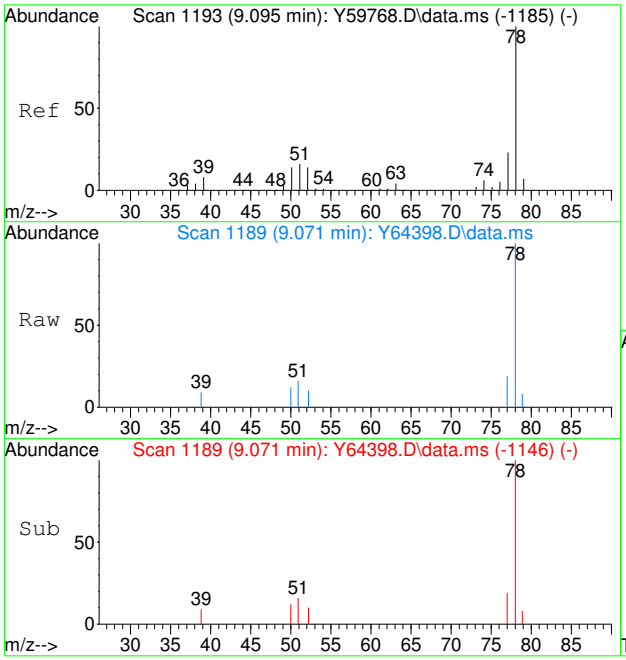


#32
cis-1,2-Dichloroethene
Concen: 1.33 ug/L
RT: 8.037 min Scan# 1019
Delta R.T. 0.006 min
Lab File: Y64398.D
Acq: 1 Sep 2022 7:27 pm

Tgt Ion: 96 Resp: 4128

Ion	Ratio	Lower	Upper
96	100		
61	71.9	91.8	151.8#
98	61.6	34.7	94.7
63	40.3	7.7	67.7

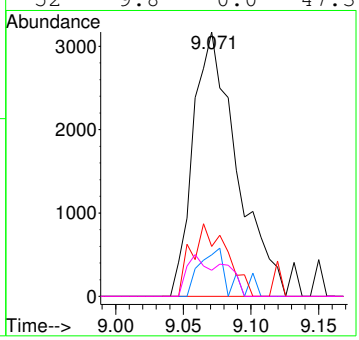


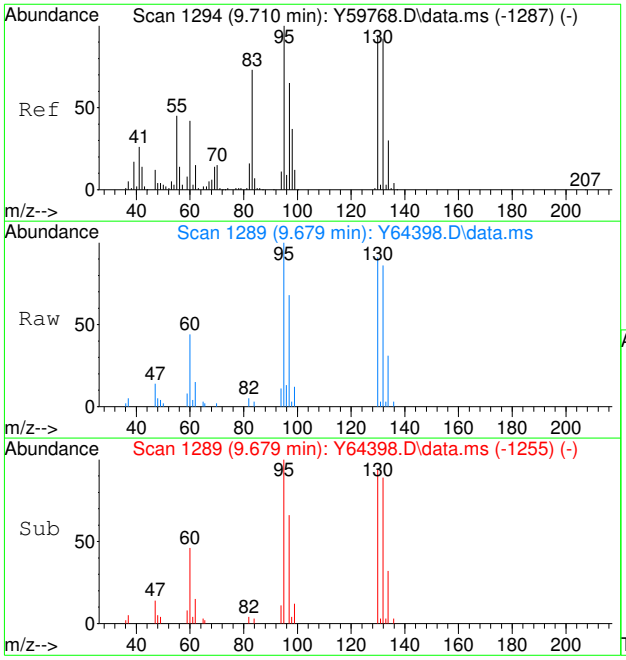


#47
Benzene
Concen: 0.57 ug/L
RT: 9.071 min Scan# 1189
Delta R.T. 0.012 min
Lab File: Y64398.D
Acq: 1 Sep 2022 7:27 pm

Tgt Ion: 78 Resp: 7127

Ion	Ratio	Lower	Upper
78	100		
51	15.7	0.0	46.9
77	18.9	0.0	54.4
52	9.8	0.0	47.3

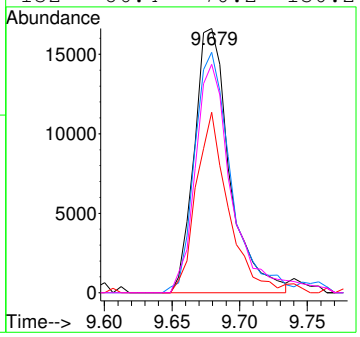


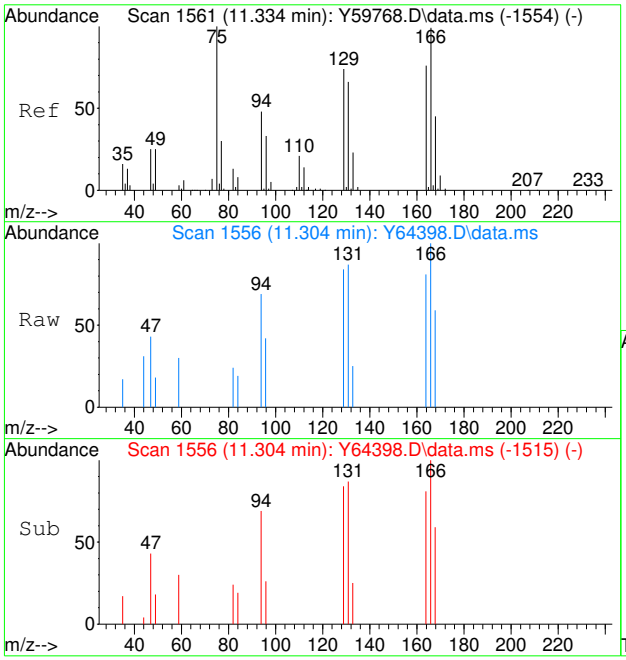


#53
Trichloroethene
Concen: 9.95 ug/L
RT: 9.679 min Scan# 1289
Delta R.T. 0.006 min
Lab File: Y64398.D
Acq: 1 Sep 2022 7:27 pm

Tgt Ion: 95 Resp: 30352

Ion	Ratio	Lower	Upper
95	100		
130	90.9	72.8	132.8
97	68.2	38.2	98.2
132	86.4	70.2	130.2

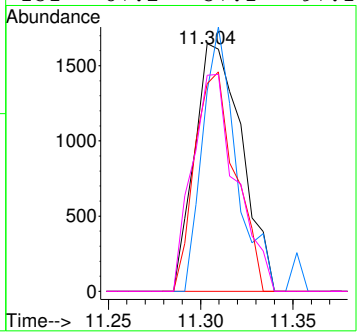


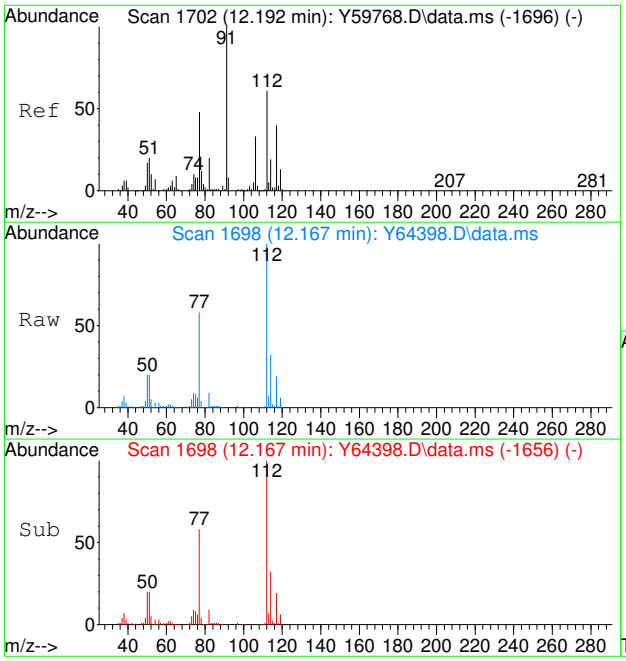


#68
Tetrachloroethene
Concen: 0.85 ug/L
RT: 11.304 min Scan# 1556
Delta R.T. 0.000 min
Lab File: Y64398.D
Acq: 1 Sep 2022 7:27 pm

Tgt Ion:166 Resp: 2938

Ion	Ratio	Lower	Upper
166	100		
164	80.9	46.4	106.4
129	83.8	40.6	100.6
131	87.2	37.1	97.1

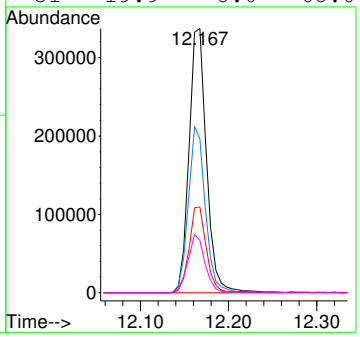


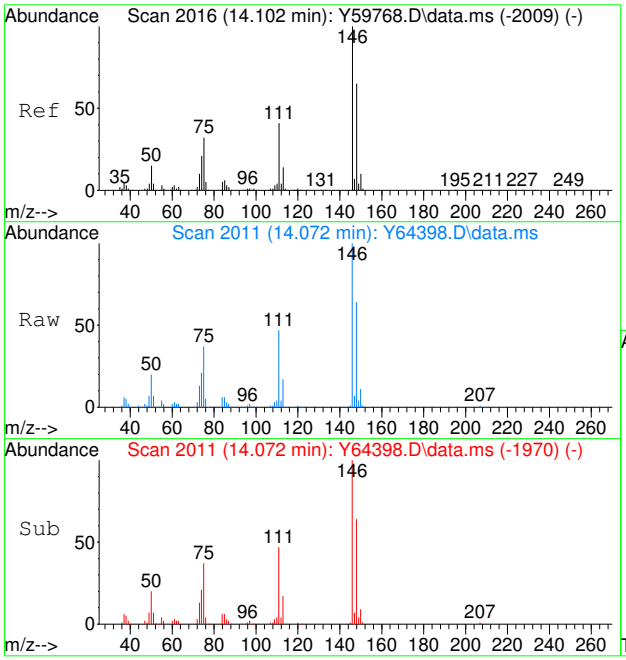


#78
Chlorobenzene
Concen: 52.81 ug/L
RT: 12.167 min Scan# 1698
Delta R.T. 0.006 min
Lab File: Y64398.D
Acq: 1 Sep 2022 7:27 pm

Tgt Ion:112 Resp: 466143

Ion	Ratio	Lower	Upper
112	100		
77	58.1	43.8	103.8
114	32.4	2.2	62.2
51	19.9	8.0	68.0

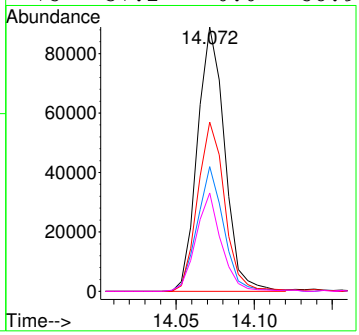




#107
1,2-Dichlorobenzene
Concen: 19.61 ug/L
RT: 14.072 min Scan# 2011
Delta R.T. 0.000 min
Lab File: Y64398.D
Acq: 1 Sep 2022 7:27 pm

Tgt Ion:146 Resp: 107753

Ion	Ratio	Lower	Upper
146	100		
111	47.2	10.2	70.2
148	64.0	32.9	92.9
75	37.2	0.0	58.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70844.d
Acq On : 2 Sep 2022 7:51 pm
Operator : joannel
Sample : FA98456-4
Misc : MS52303,VO2809,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 04 22:01:44 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

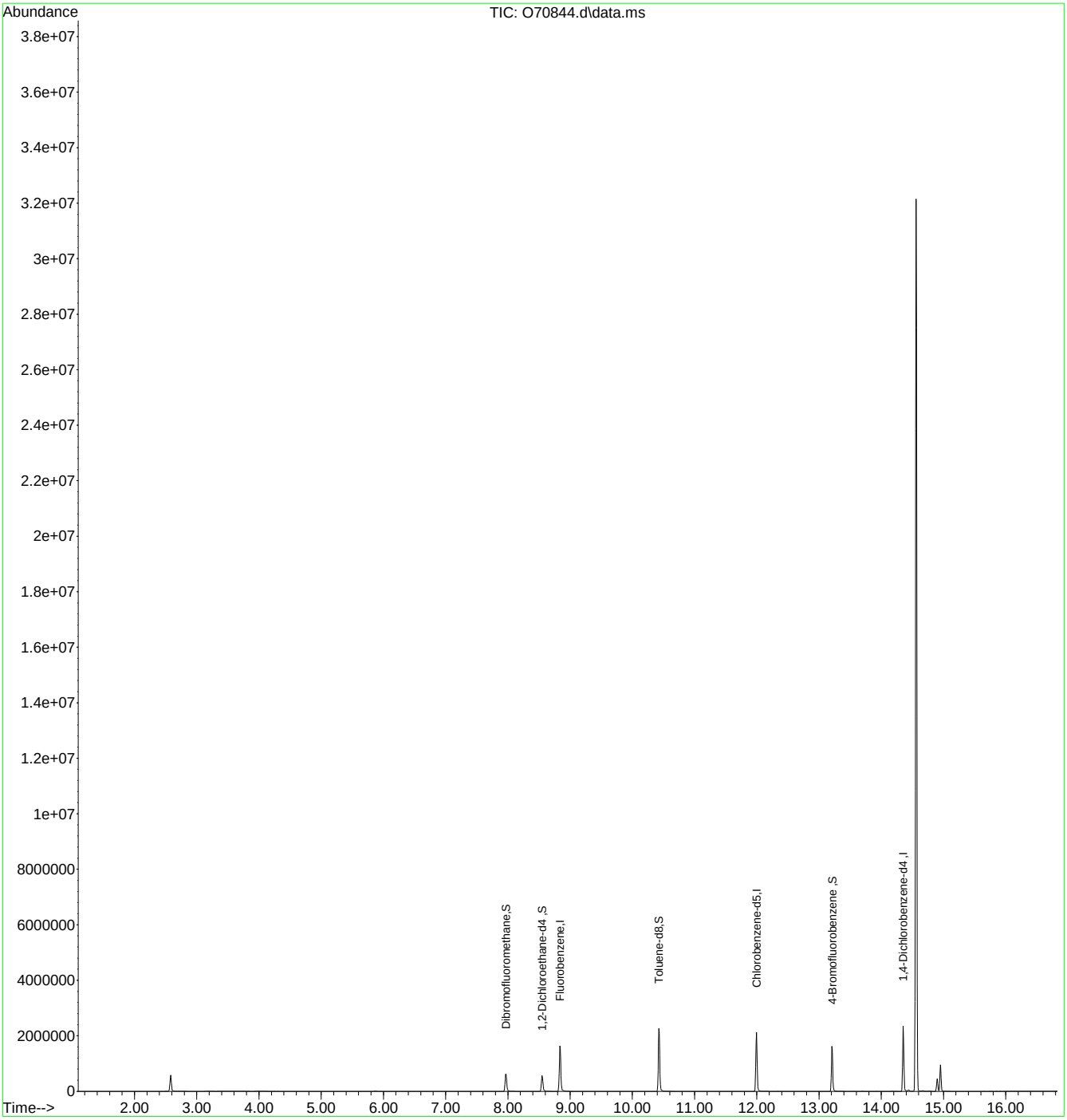
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1315854	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1072488	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	550390	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.970	113	353438	47.58	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.16%			
50) 1,2-Dichloroethane-d4	8.549	65	375197	49.10	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.20%			
63) Toluene-d8	10.426	98	1314910	48.90	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.80%			
86) 4-Bromofluorobenzene	13.213	174	438567	49.76	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.52%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70844.d
Acq On : 2 Sep 2022 7:51 pm
Operator : joannel
Sample : FA98456-4
Misc : MS52303,VO2809,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 04 22:01:44 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751033.D
Acq On : 31 Aug 2022 9:02 pm
Operator : KarenW
Sample : FA98456-4 10X
Misc : MS52303,VI2680,,,,,10
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 01 08:34:10 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

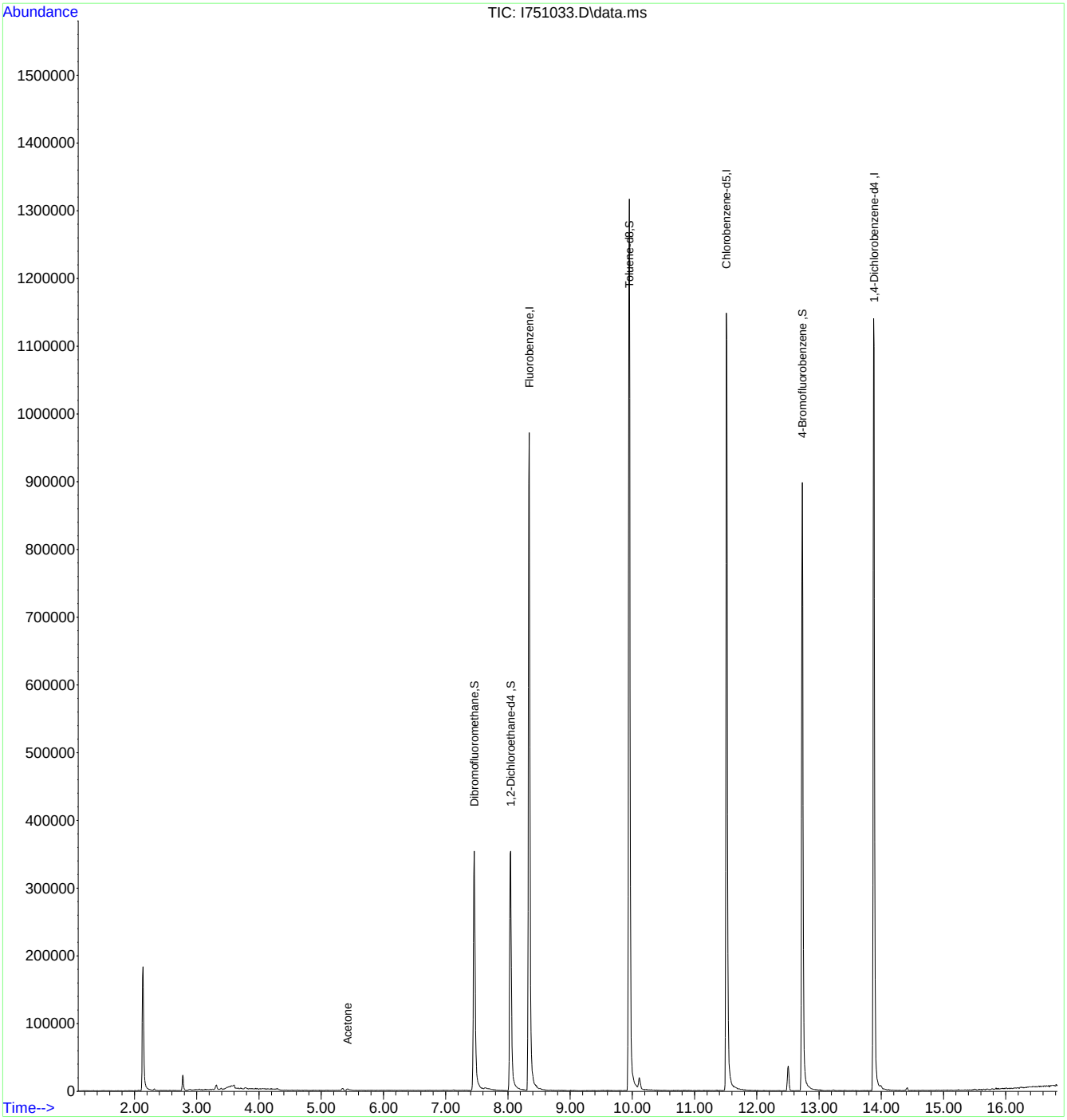
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.341	96	808698	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	597037	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.883	152	290289	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.457	113	223755	50.07	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.14%			
49) 1,2-Dichloroethane-d4	8.043	65	259722	51.25	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.50%			
63) Toluene-d8	9.951	98	810360	49.78	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.56%			
86) 4-Bromofluorobenzene	12.731	174	243940	50.58	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.16%			
Target Compounds						Qvalue
19) Acetone	5.421	43	5462	2.13	ug/L	45

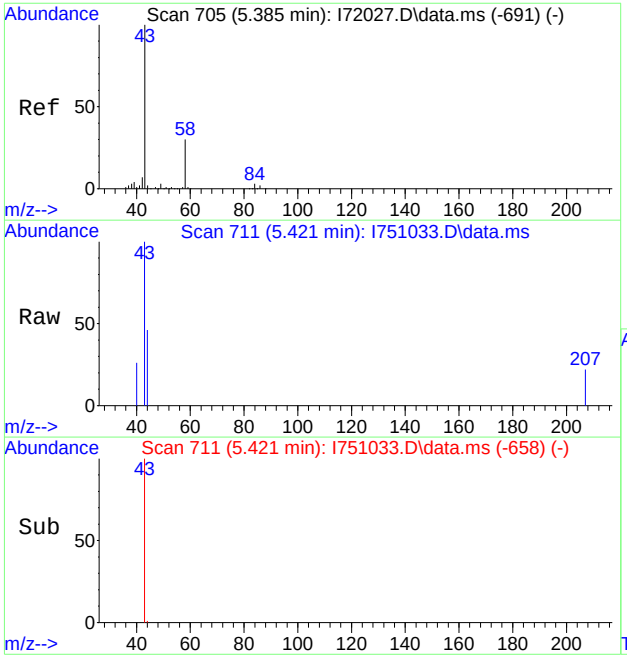
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751033.D
Acq On : 31 Aug 2022 9:02 pm
Operator : KarenW
Sample : FA98456-4 10X
Misc : MS52303,VI2680,,,,,10
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 01 08:34:10 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

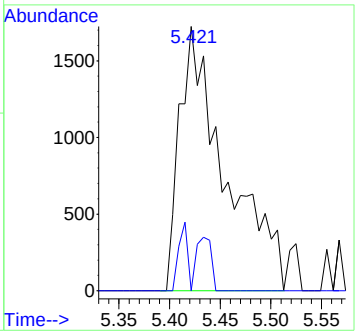




#19
Acetone
Concen: 2.13 ug/L
RT: 5.421 min Scan# 711
Delta R.T. 0.024 min
Lab File: I751033.D
Acq: 31 Aug 2022 9:02 pm

Tgt Ion: 43 Resp: 5462

Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	59.4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751034.D
Acq On : 31 Aug 2022 9:25 pm
Operator : KarenW
Sample : FA98456-5 20X
Misc : MS52303,VI2680,,,,,20
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 01 08:28:13 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

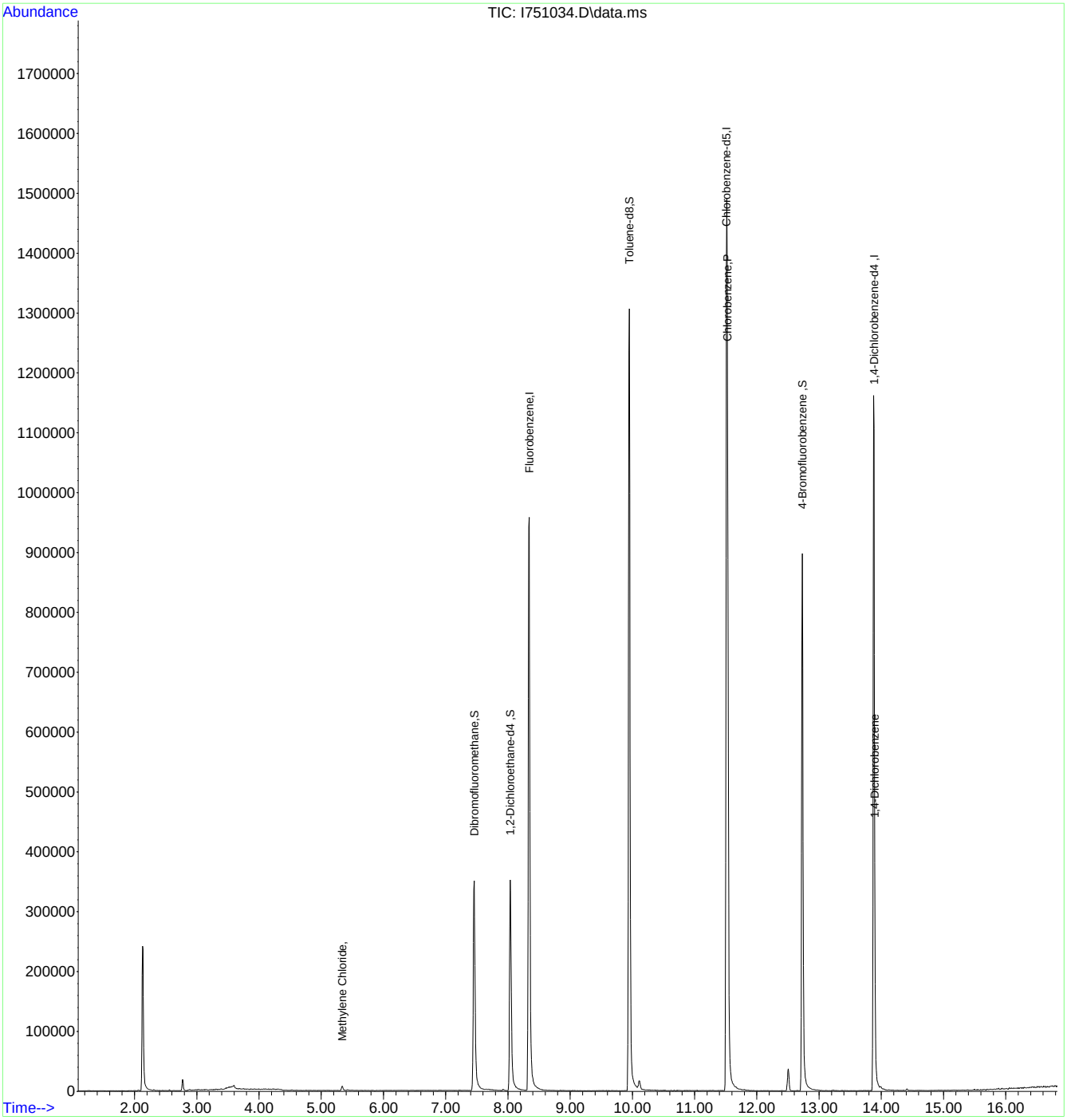
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.341	96	815888	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	608524	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.883	152	284028	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.457	113	223493	49.57	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.14%			
49) 1,2-Dichloroethane-d4	8.037	65	257551	50.38	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.76%			
63) Toluene-d8	9.951	98	812100	48.94	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.88%			
86) 4-Bromofluorobenzene	12.731	174	241413	51.16	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.32%			
Target Compounds						Qvalue
18) Methylene Chloride	5.336	49	4715	0.77	ug/L	94
78) Chlorobenzene	11.530	112	421714	51.41	ug/L	82
104) 1,4-Dichlorobenzene	13.895	146	4986	0.83	ug/L	83

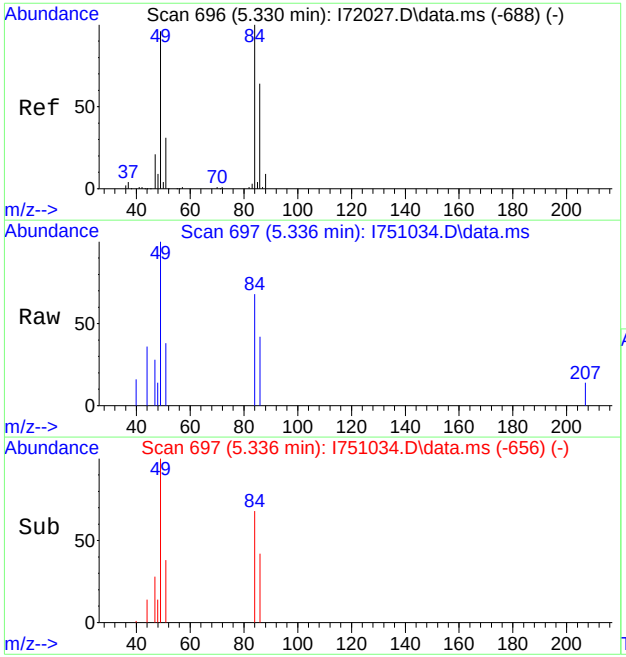
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751034.D
Acq On : 31 Aug 2022 9:25 pm
Operator : KarenW
Sample : FA98456-5 20X
Misc : MS52303,VI2680,,,,,20
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 01 08:28:13 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

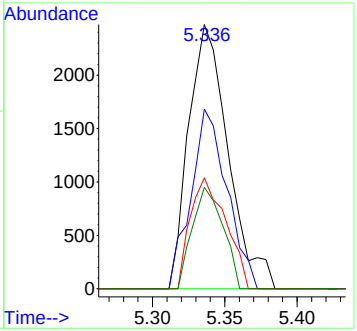


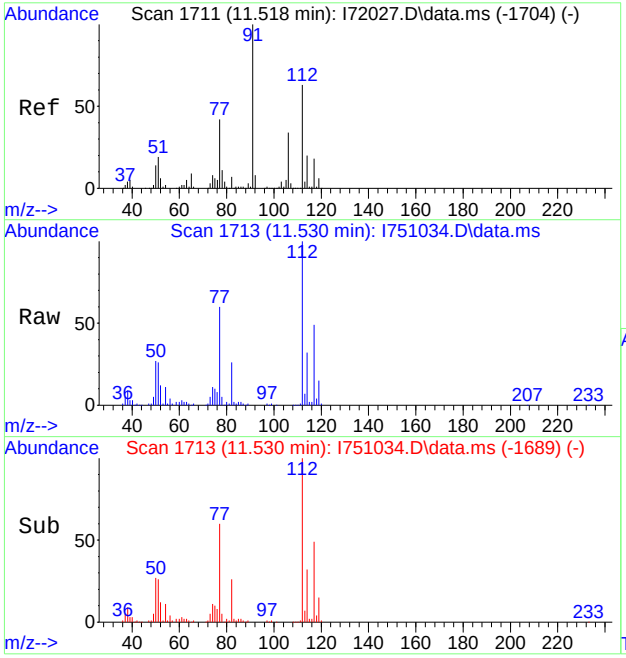


#18
Methylene Chloride
Concen: 0.77 ug/L
RT: 5.336 min Scan# 697
Delta R.T. -0.000 min
Lab File: I751034.D
Acq: 31 Aug 2022 9:25 pm

Tgt Ion: 49 Resp: 4715

Ion	Ratio	Lower	Upper
49	100		
84	68.0	34.1	94.1
86	42.0	10.8	70.8
51	38.4	0.9	60.9

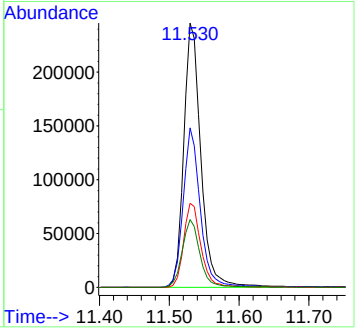


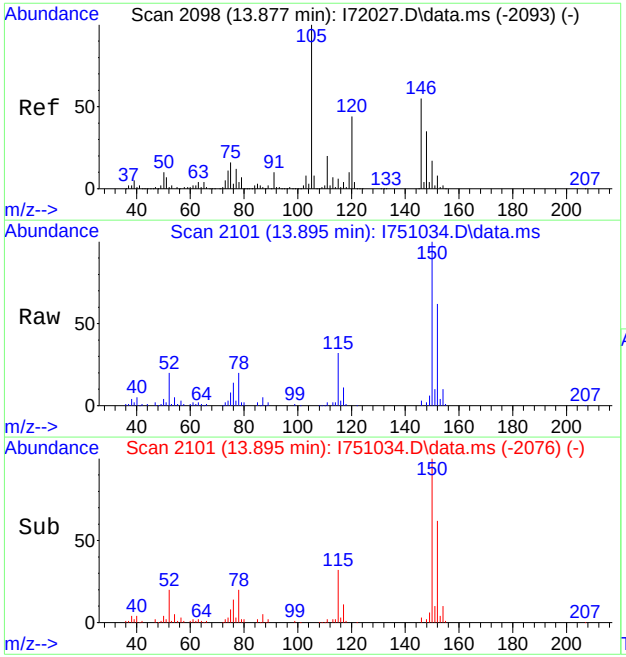


#78
Chlorobenzene
Concen: 51.41 ug/L
RT: 11.530 min Scan# 1713
Delta R.T. -0.006 min
Lab File: I751034.D
Acq: 31 Aug 2022 9:25 pm

Tgt Ion:112 Resp: 421714

Ion	Ratio	Lower	Upper
112	100		
77	60.3	44.8	104.8
114	31.8	1.5	61.5
51	25.7	17.1	77.1

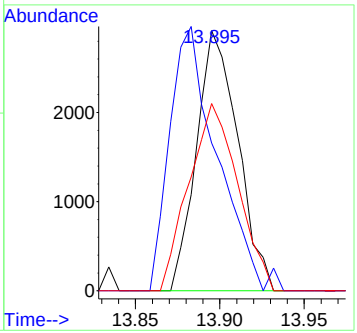




#104
1,4-Dichlorobenzene
Concen: 0.83 ug/L
RT: 13.895 min Scan# 2101
Delta R.T. 0.000 min
Lab File: I751034.D
Acq: 31 Aug 2022 9:25 pm

Tgt Ion:146 Resp: 4986

Ion	Ratio	Lower	Upper
146	100		
111	56.8	8.5	68.5
148	72.0	34.8	94.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92903.D
Acq On : 13 Sep 2022 1:12 pm
Operator : lindsayr
Sample : FA98456-6 Inst : MSVOA13
Misc : MS52303,V1P3579,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 14 05:49:25 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

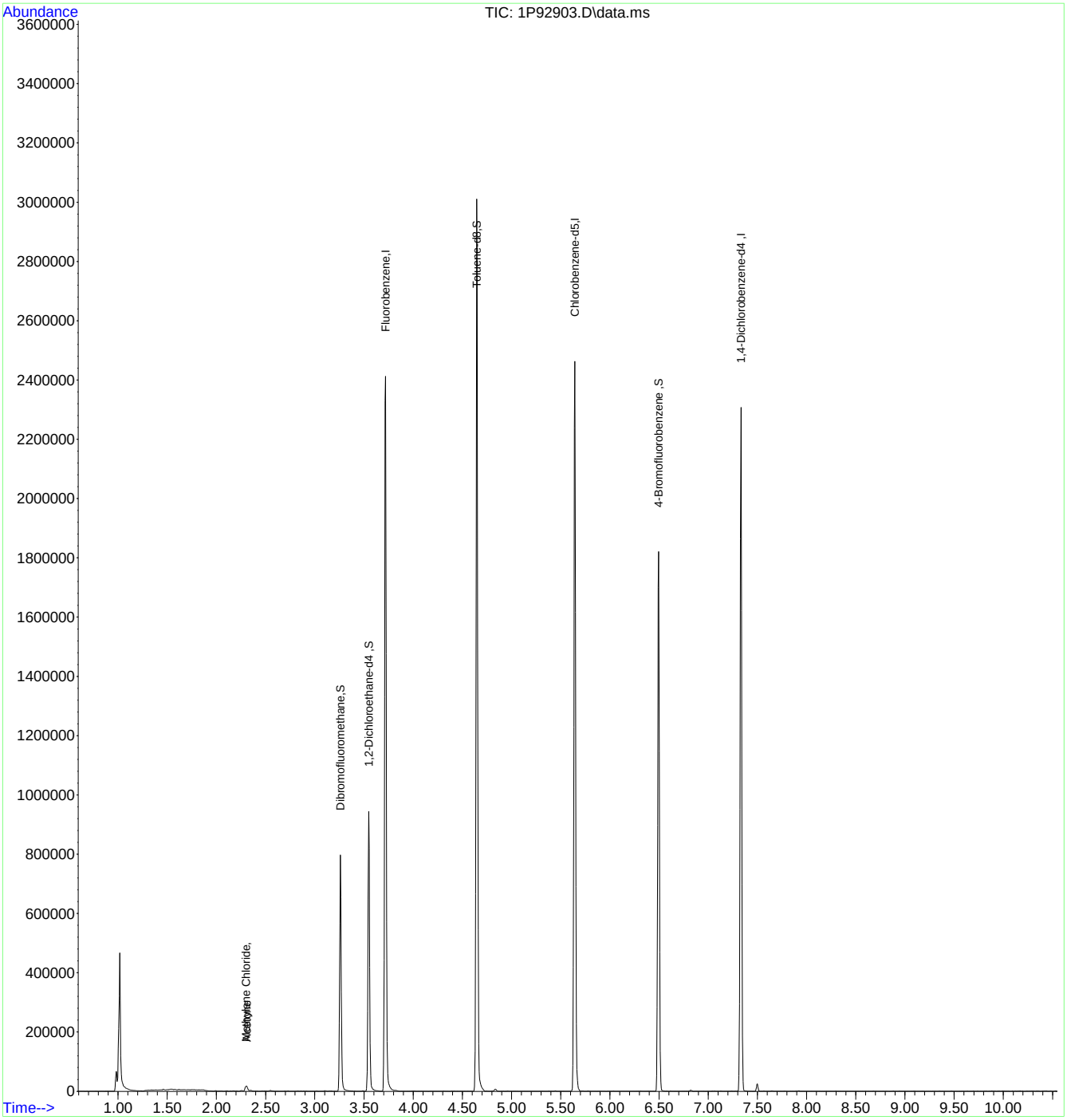
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1384522	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	947791	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	417626	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.260	113	281231	47.63	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.26%			
49) 1,2-Dichloroethane-d4	3.548	65	409334	49.58	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.16%			
63) Toluene-d8	4.646	98	1327647	49.87	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.74%			
86) 4-Bromofluorobenzene	6.496	174	330144	49.61	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.22%			
Target Compounds						Qvalue
18) Methylene Chloride	2.298	49	4890	0.6563	ug/L	96
19) Acetone	2.309	43	11134	3.4174	ug/L	90

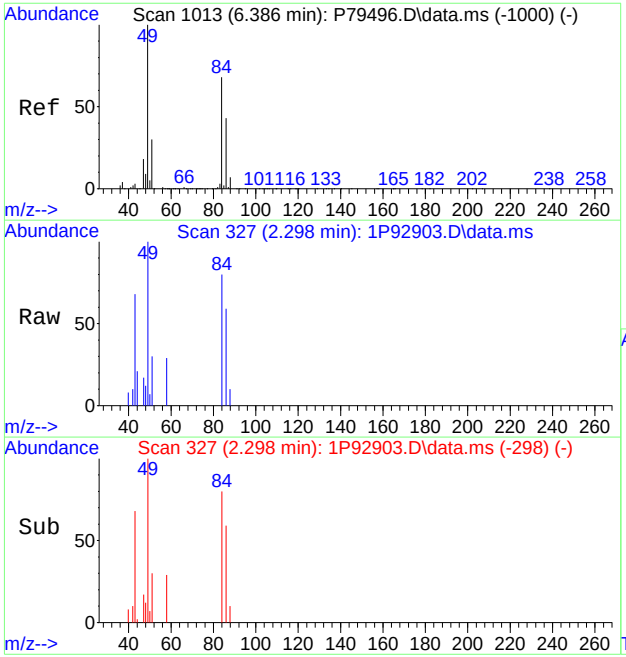
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92903.D
Acq On : 13 Sep 2022 1:12 pm
Operator : lindsayr
Sample : FA98456-6 Inst : MSVOA13
Misc : MS52303,V1P3579,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 14 05:49:25 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

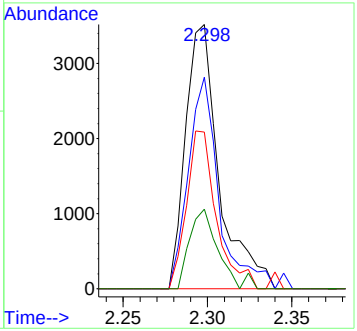


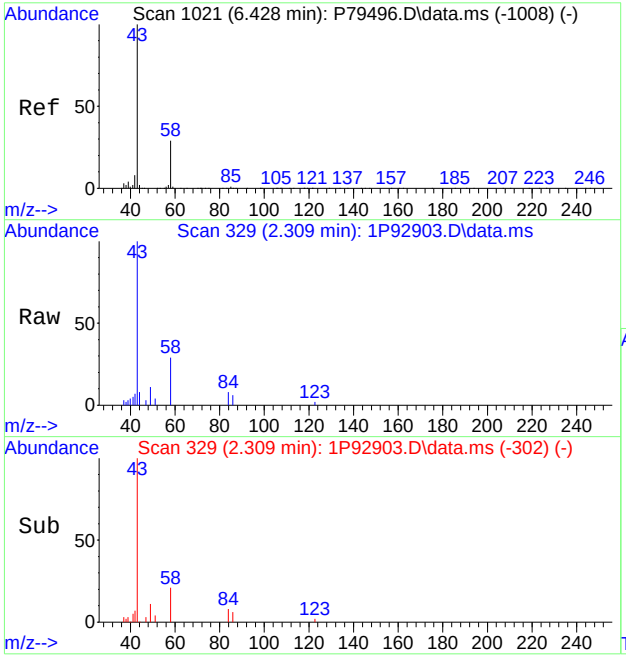


#18
Methylene Chloride
Concen: 0.6563 ug/L
RT: 2.298 min Scan# 327
Delta R.T. 0.004 min
Lab File: 1P92903.D
Acq: 13 Sep 2022 1:12 pm

Tgt Ion: 49 Resp: 4890

Ion	Ratio	Lower	Upper
49	100		
84	80.0	49.7	109.7
86	59.2	20.9	80.9
51	30.1	0.4	60.4

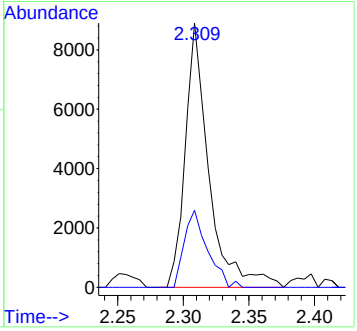




#19
Acetone
Concen: 3.4174 ug/L
RT: 2.309 min Scan# 329
Delta R.T. -0.006 min
Lab File: 1P92903.D
Acq: 13 Sep 2022 1:12 pm

Tgt Ion: 43 Resp: 11134

Ion	Ratio	Lower	Upper
43	100		
58	29.1	4.8	64.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751035.D
Acq On : 31 Aug 2022 9:49 pm
Operator : KarenW
Sample : FA98456-6
Misc : MS52303,VI2680,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 01 08:29:14 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

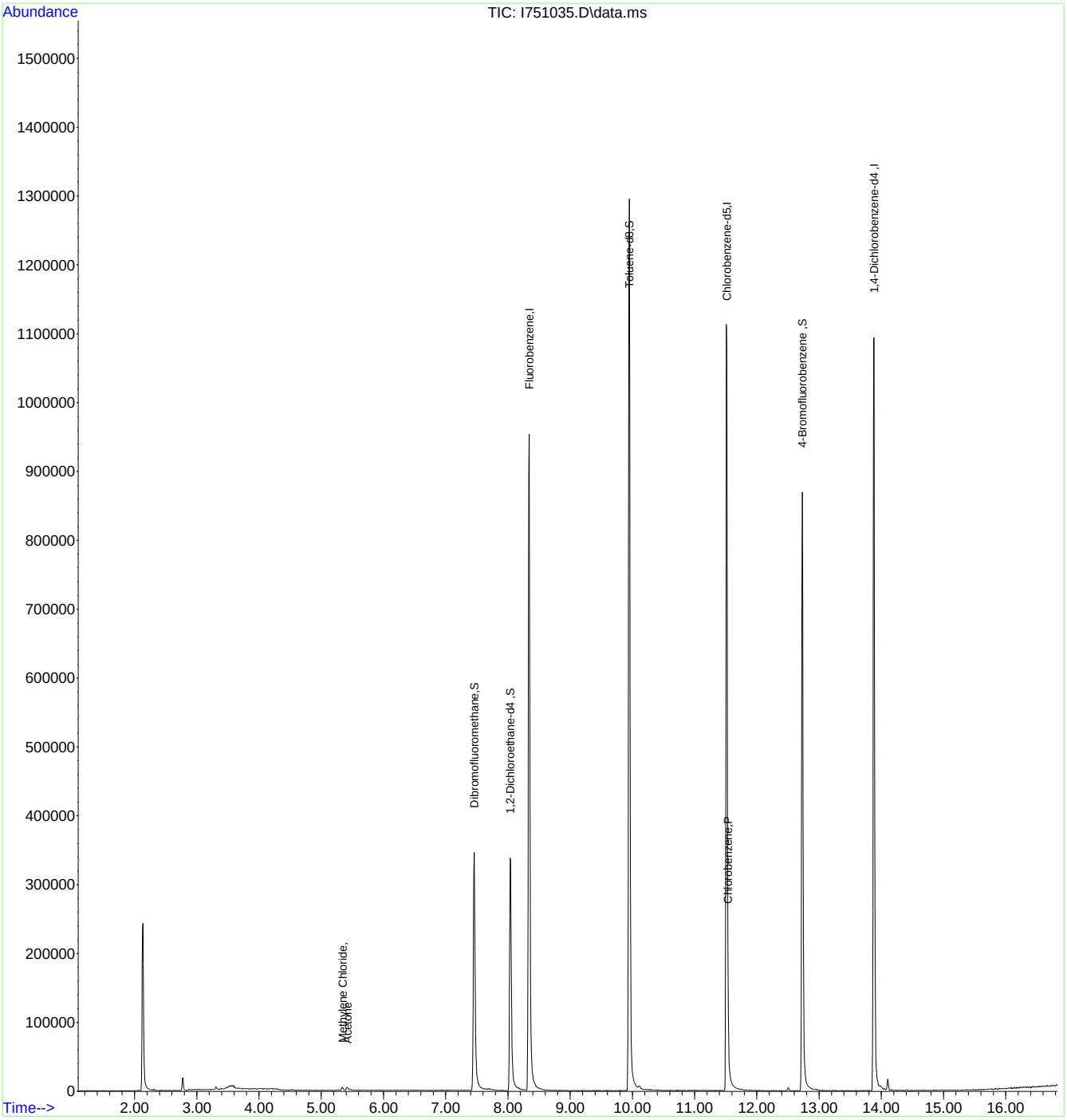
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.341	96	806093	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.518	117	588116	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.883	152	283297	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.457	113	219984	49.39	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.78%			
49) 1,2-Dichloroethane-d4	8.037	65	251404	49.77	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.54%			
63) Toluene-d8	9.951	98	801395	49.97	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.94%			
86) 4-Bromofluorobenzene	12.731	174	236393	50.22	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.44%			
Target Compounds						Qvalue
18) Methylene Chloride	5.342	49	3189	0.53	ug/L	95
19) Acetone	5.421	43	10071	3.93	ug/L	87
78) Chlorobenzene	11.536	112	2866	0.36	ug/L #	59

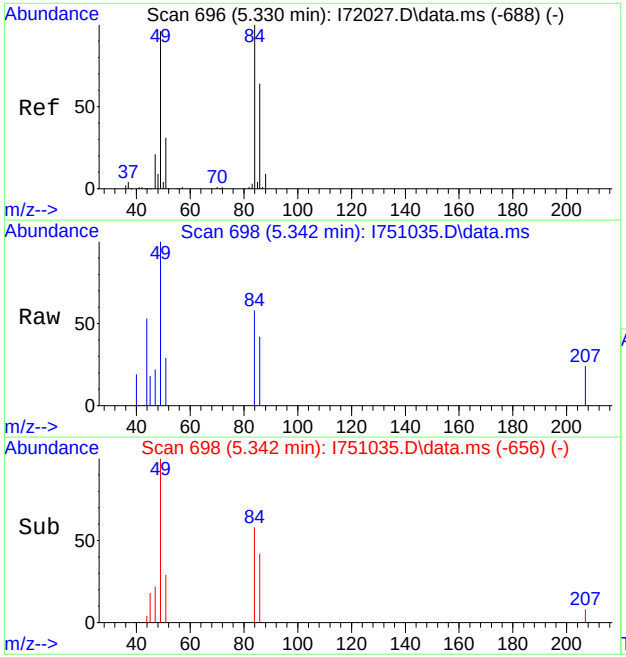
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751035.D
Acq On : 31 Aug 2022 9:49 pm
Operator : KarenW
Sample : FA98456-6
Misc : MS52303,VI2680,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 01 08:29:14 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

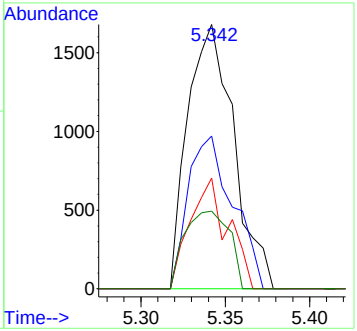


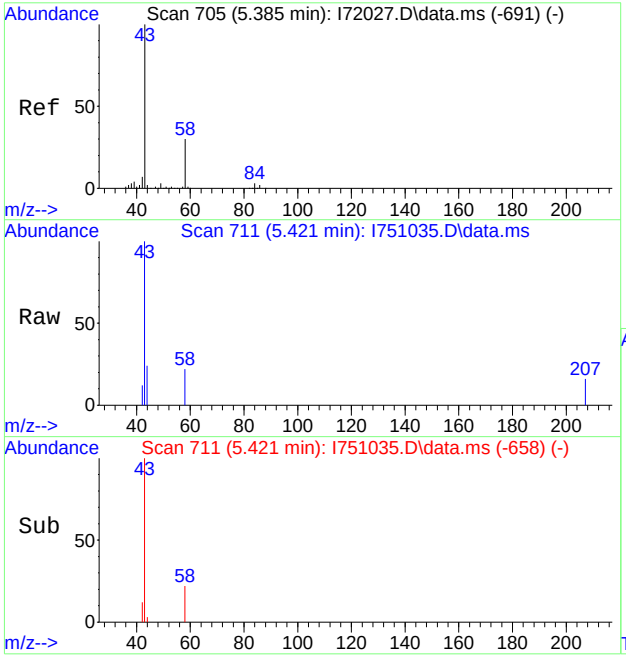


#18
Methylene Chloride
Concen: 0.53 ug/L
RT: 5.342 min Scan# 698
Delta R.T. 0.006 min
Lab File: I751035.D
Acq: 31 Aug 2022 9:49 pm

Tgt Ion: 49 Resp: 3189

Ion	Ratio	Lower	Upper
49	100		
84	57.8	34.1	94.1
86	41.9	10.8	70.8
51	29.4	0.9	60.9

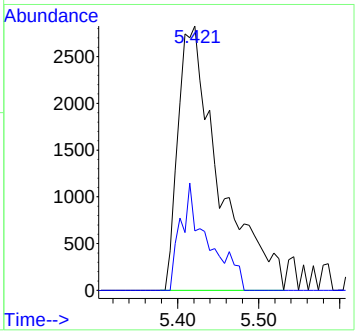


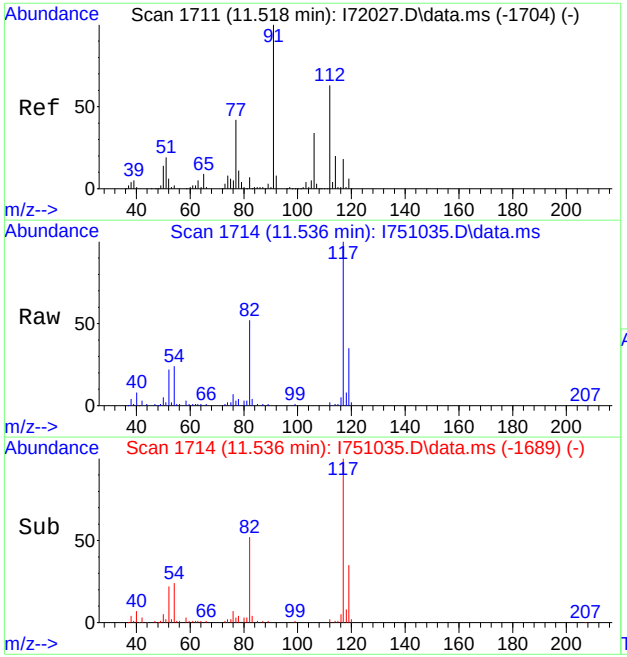


#19
Acetone
Concen: 3.93 ug/L
RT: 5.421 min Scan# 711
Delta R.T. 0.024 min
Lab File: I751035.D
Acq: 31 Aug 2022 9:49 pm

Tgt Ion: 43 Resp: 10071

Ion	Ratio	Lower	Upper
43	100		
58	22.5	0.0	59.4

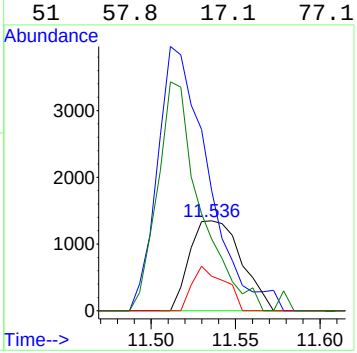




#78
Chlorobenzene
Concen: 0.36 ug/L
RT: 11.536 min Scan# 1714
Delta R.T. -0.000 min
Lab File: I751035.D
Acq: 31 Aug 2022 9:49 pm

Tgt Ion:112 Resp: 2866

Ion	Ratio	Lower	Upper
112	100		
77	133.8	44.8	104.8#
114	38.4	1.5	61.5
51	57.8	17.1	77.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751036.D
Acq On : 31 Aug 2022 10:13 pm
Operator : KarenW
Sample : FA98456-7
Misc : MS52303,VI2680,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 01 08:29:48 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

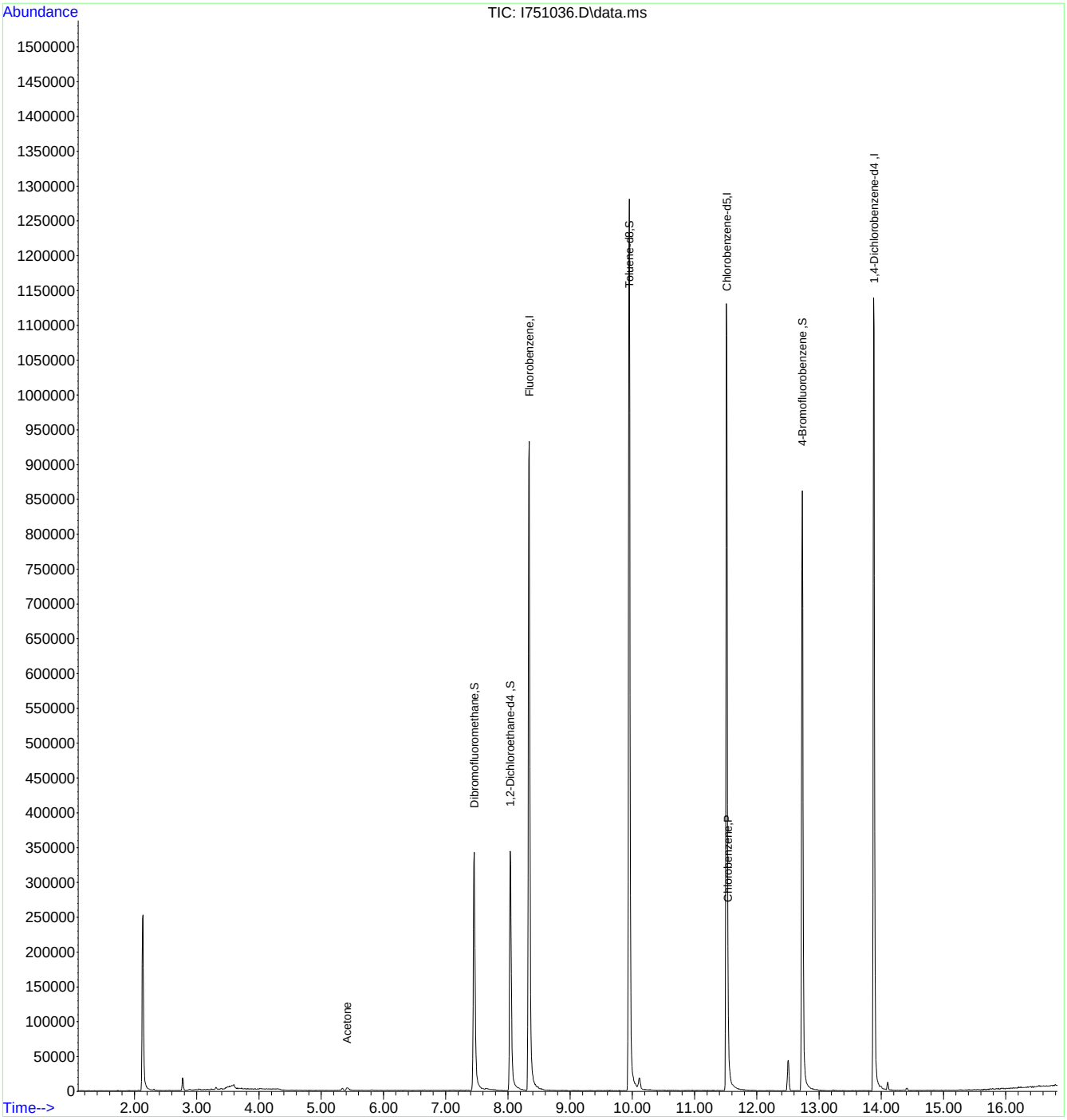
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.341	96	796065	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.518	117	588393	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.883	152	285322	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.457	113	218636	49.70	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.40%		
49) 1,2-Dichloroethane-d4	8.037	65	252014	50.52	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	101.04%		
63) Toluene-d8	9.951	98	791818	49.35	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	98.70%		
86) 4-Bromofluorobenzene	12.731	174	235659	49.71	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.42%		
Target Compounds						Qvalue
19) Acetone	5.415	43	9220	3.64	ug/L	92
78) Chlorobenzene	11.536	112	6447	0.81	ug/L	93

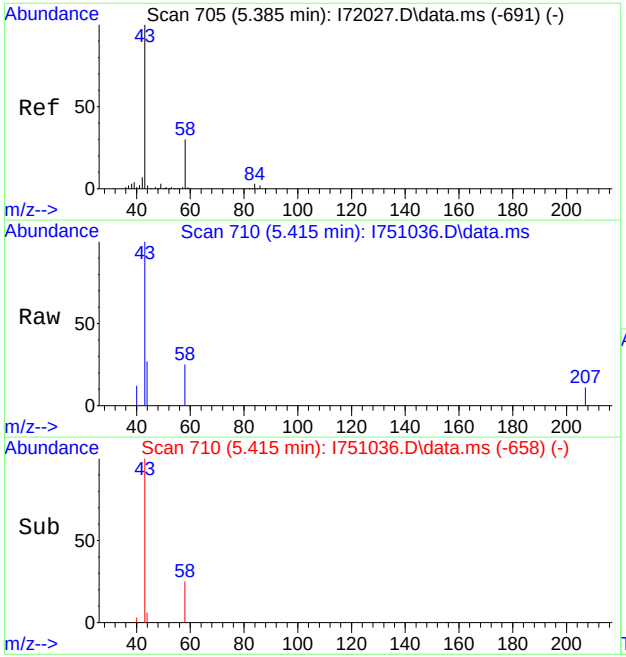
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751036.D
Acq On : 31 Aug 2022 10:13 pm
Operator : KarenW
Sample : FA98456-7
Misc : MS52303,VI2680,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 01 08:29:48 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

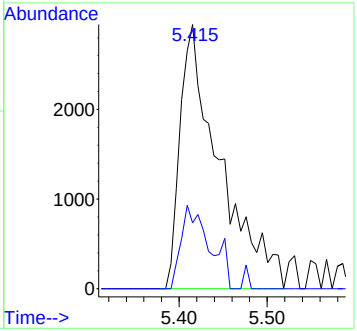


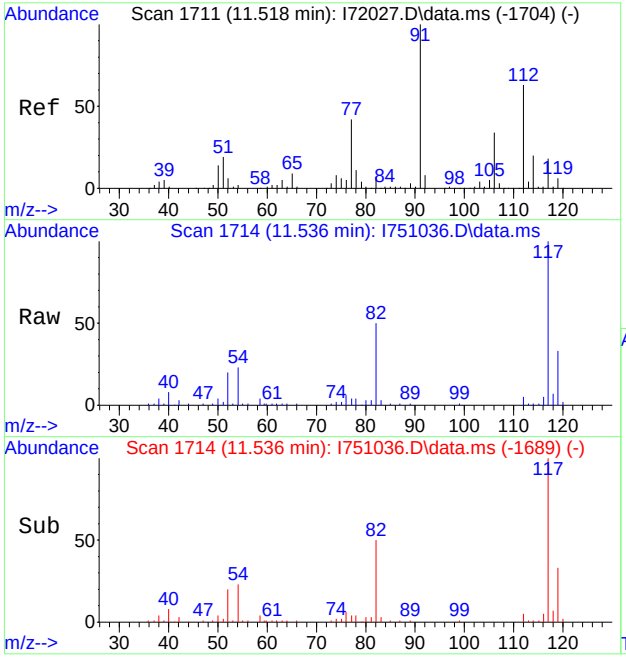


#19
Acetone
Concen: 3.64 ug/L
RT: 5.415 min Scan# 710
Delta R.T. 0.018 min
Lab File: I751036.D
Acq: 31 Aug 2022 10:13 pm

Tgt Ion: 43 Resp: 9220

Ion	Ratio	Lower	Upper
43	100		
58	24.9	0.0	59.4

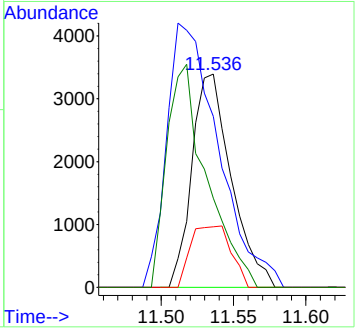




#78
Chlorobenzene
Concen: 0.81 ug/L
RT: 11.536 min Scan# 1714
Delta R.T. -0.000 min
Lab File: I751036.D
Acq: 31 Aug 2022 10:13 pm

Tgt Ion:112 Resp: 6447

Ion	Ratio	Lower	Upper
112	100		
77	80.1	44.8	104.8
114	28.5	1.5	61.5
51	41.8	17.1	77.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751037.D
Acq On : 31 Aug 2022 10:37 pm
Operator : KarenW
Sample : FA98456-8
Misc : MS52303,VI2680,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 01 08:30:28 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

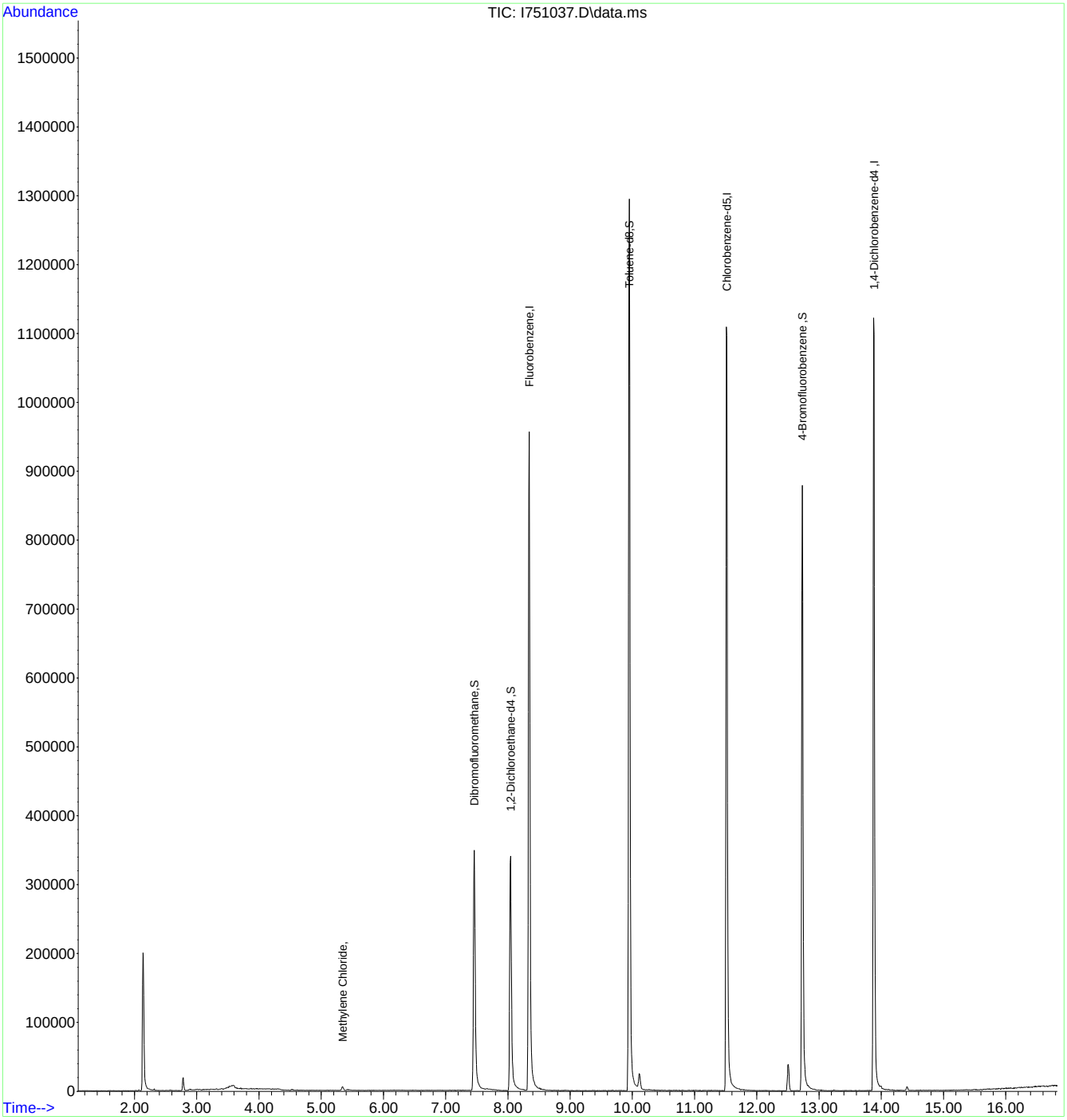
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		8.341	96	800547	50.00	ug/L	0.00
62) Chlorobenzene-d5		11.518	117	593612	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		13.883	152	286779	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		7.457	113	220152	49.77	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	99.54%		
49) 1,2-Dichloroethane-d4		8.043	65	252249	50.28	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	100.56%		
63) Toluene-d8		9.951	98	804146	49.68	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	99.36%		
86) 4-Bromofluorobenzene		12.731	174	238632	50.08	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	100.16%		
Target Compounds							Qvalue
18) Methylene Chloride		5.342	49	4074	0.68	ug/L	93

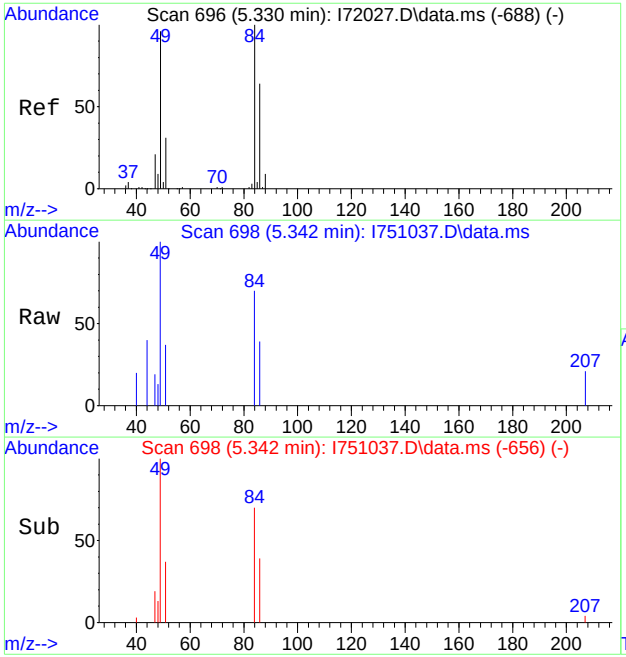
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751037.D
Acq On : 31 Aug 2022 10:37 pm
Operator : KarenW
Sample : FA98456-8
Misc : MS52303,VI2680,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 01 08:30:28 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

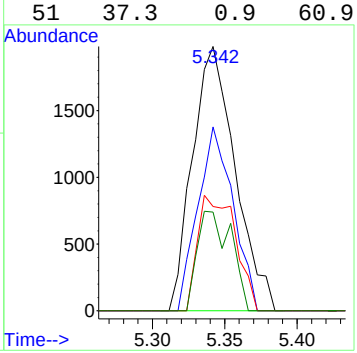




#18
Methylene Chloride
Concen: 0.68 ug/L
RT: 5.342 min Scan# 698
Delta R.T. 0.006 min
Lab File: I751037.D
Acq: 31 Aug 2022 10:37 pm

Tgt Ion: 49 Resp: 4074

Ion	Ratio	Lower	Upper
49	100		
84	69.5	34.1	94.1
86	39.4	10.8	70.8
51	37.3	0.9	60.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751038.D
Acq On : 31 Aug 2022 11:01 pm
Operator : KarenW
Sample : FA98456-9 20X
Misc : MS52303,VI2680,,,,,20
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 01 08:31:04 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

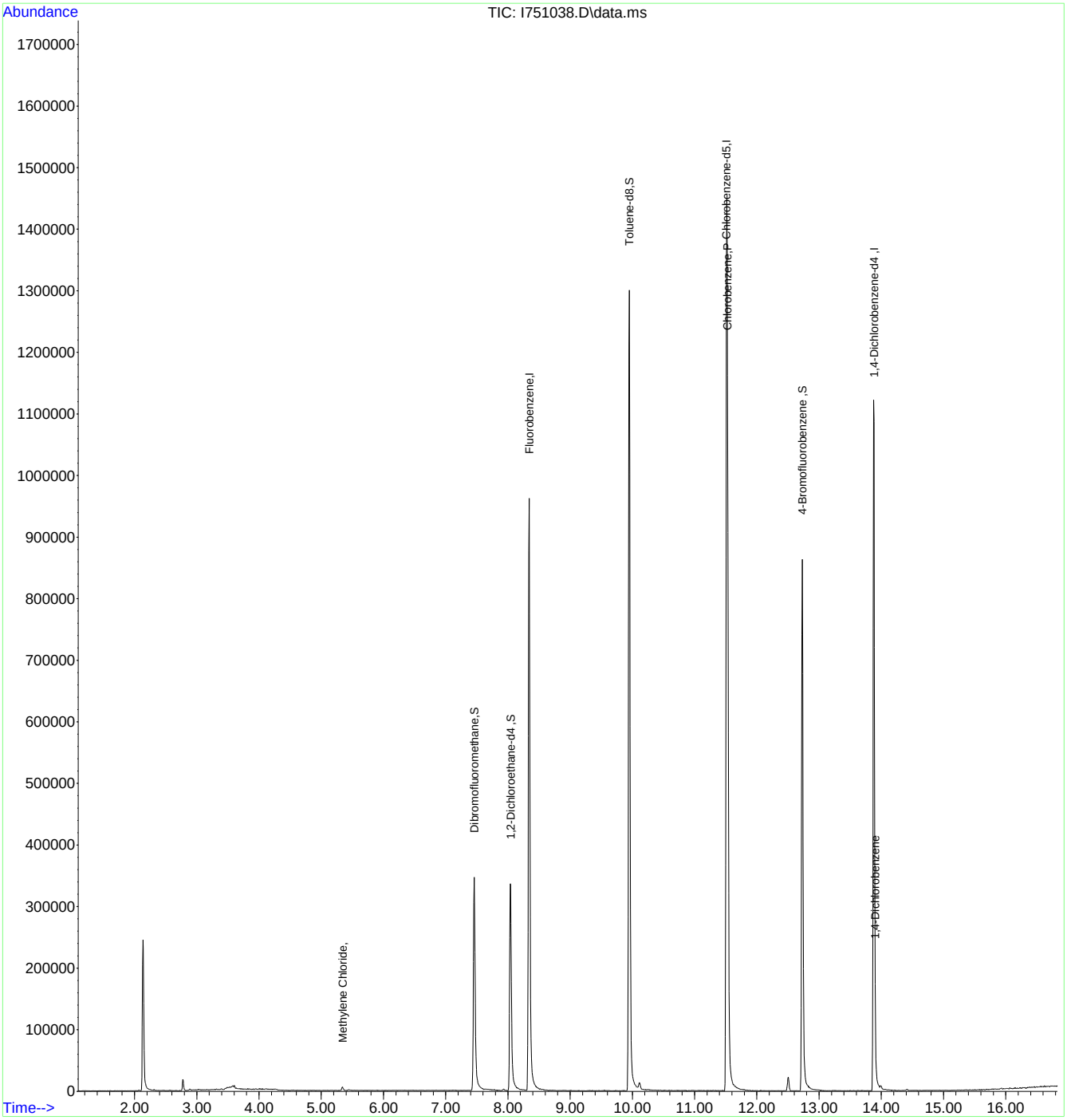
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		8.341	96	798942	50.00	ug/L	0.00
62) Chlorobenzene-d5		11.511	117	597243	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		13.883	152	285185	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		7.457	113	217968	49.37	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	98.74%		
49) 1,2-Dichloroethane-d4		8.043	65	254979	50.93	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	101.86%		
63) Toluene-d8		9.951	98	803772	49.36	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	98.72%		
86) 4-Bromofluorobenzene		12.731	174	236131	49.84	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	99.68%		
Target Compounds							Qvalue
18) Methylene Chloride		5.342	49	3880	0.65	ug/L	90
78) Chlorobenzene		11.530	112	420662	52.25	ug/L	82
104) 1,4-Dichlorobenzene		13.901	146	4898	0.81	ug/L	92

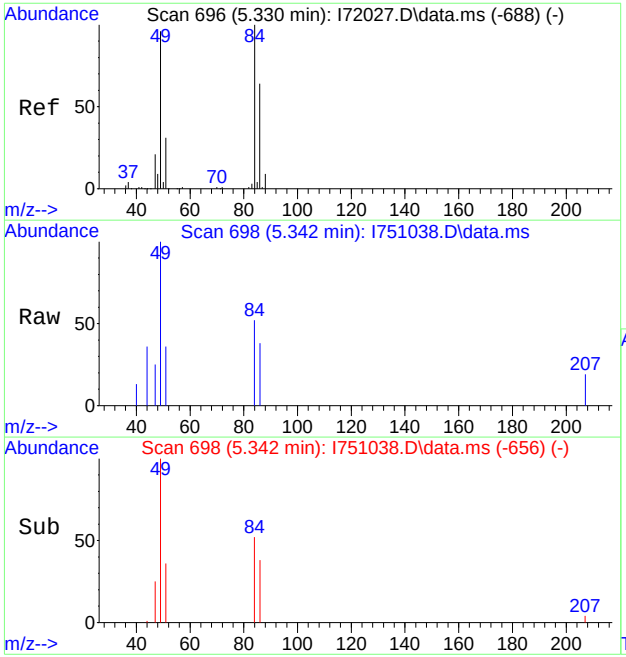
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751038.D
Acq On : 31 Aug 2022 11:01 pm
Operator : KarenW
Sample : FA98456-9 20X
Misc : MS52303,VI2680,,,,,20
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 01 08:31:04 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

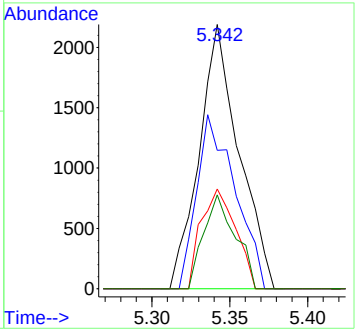


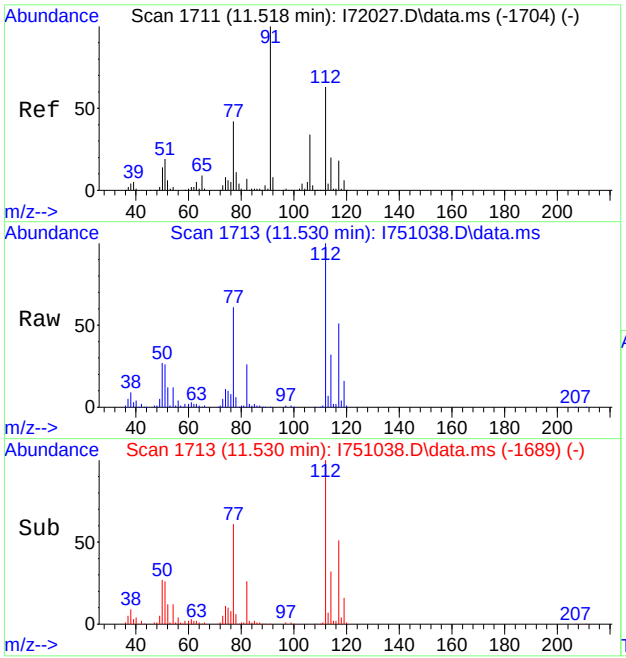


#18
Methylene Chloride
Concen: 0.65 ug/L
RT: 5.342 min Scan# 698
Delta R.T. 0.006 min
Lab File: I751038.D
Acq: 31 Aug 2022 11:01 pm

Tgt Ion: 49 Resp: 3880

Ion	Ratio	Lower	Upper
49	100		
84	52.4	34.1	94.1
86	37.7	10.8	70.8
51	35.6	0.9	60.9

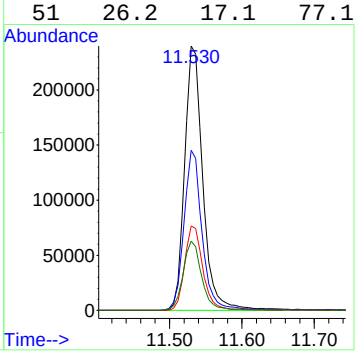


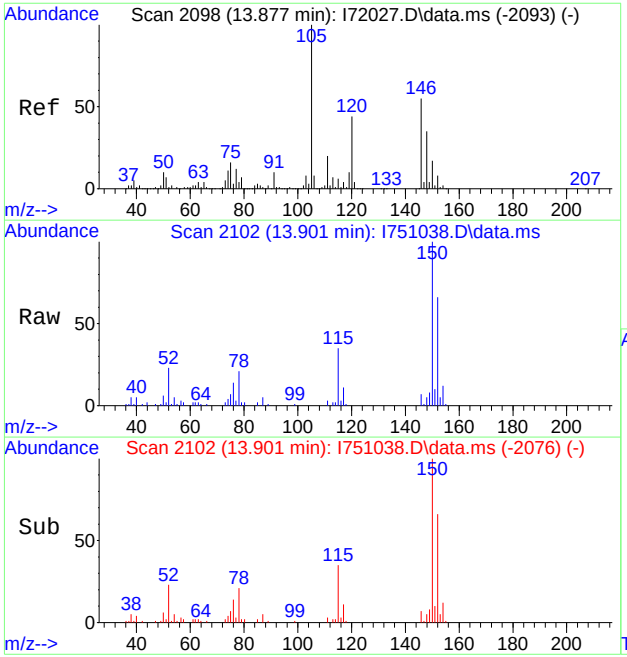


#78
Chlorobenzene
Concen: 52.25 ug/L
RT: 11.530 min Scan# 1713
Delta R.T. -0.006 min
Lab File: I751038.D
Acq: 31 Aug 2022 11:01 pm

Tgt Ion:112 Resp: 420662

Ion	Ratio	Lower	Upper
112	100		
77	60.5	44.8	104.8
114	31.9	1.5	61.5
51	26.2	17.1	77.1

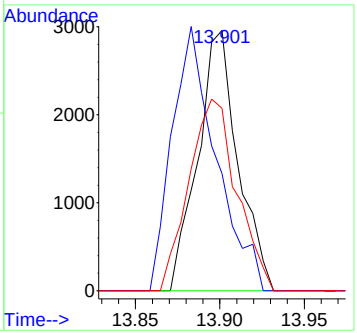




#104
1,4-Dichlorobenzene
Concen: 0.81 ug/L
RT: 13.901 min Scan# 2102
Delta R.T. 0.006 min
Lab File: I751038.D
Acq: 31 Aug 2022 11:01 pm

Tgt Ion:146 Resp: 4898

Ion	Ratio	Lower	Upper
146	100		
111	45.0	8.5	68.5
148	70.2	34.8	94.8



7.1.11

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751039.D
Acq On : 31 Aug 2022 11:24 pm
Operator : KarenW
Sample : FA98456-10
Misc : MS52303,VI2680,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 01 08:32:05 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

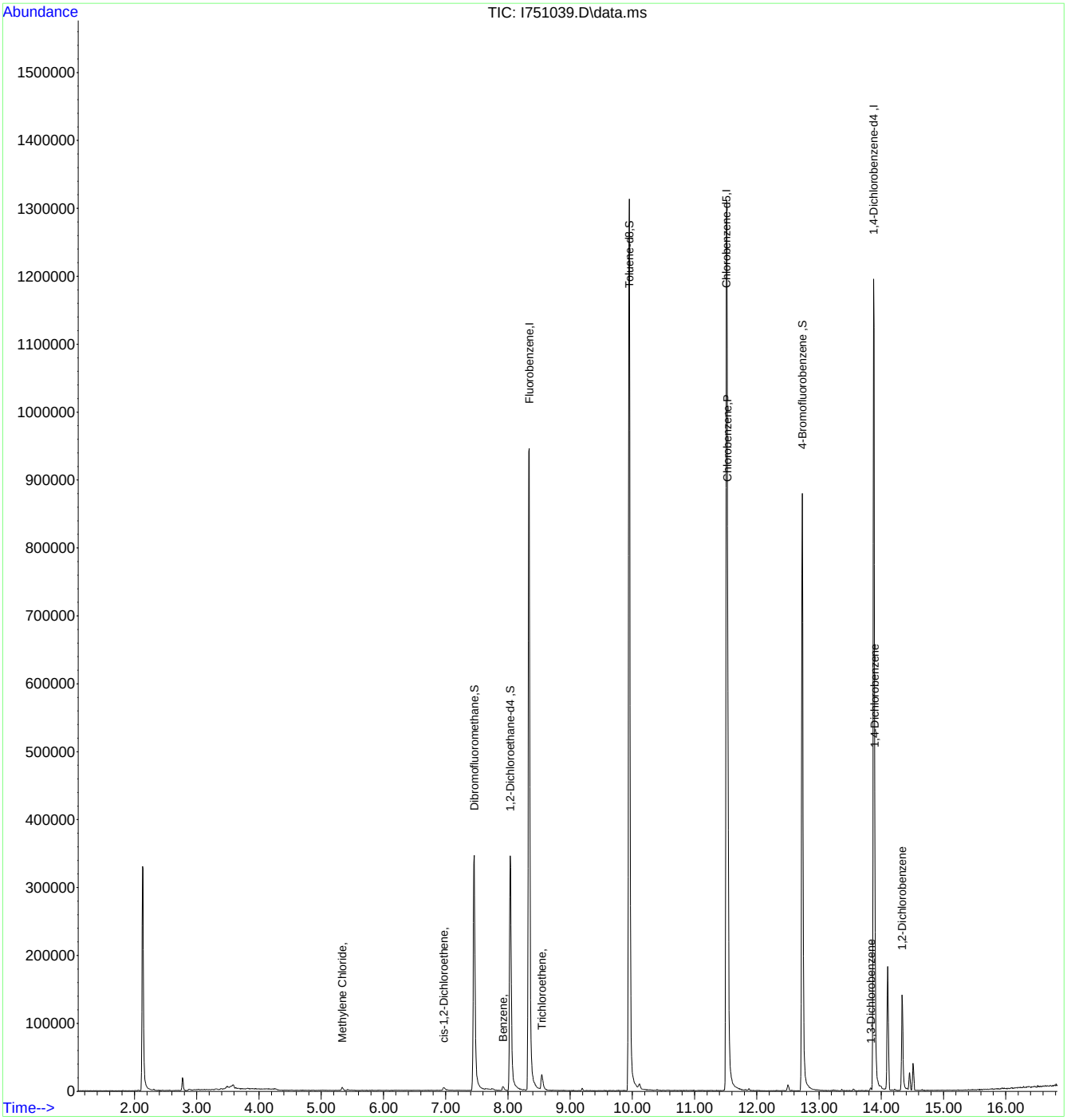
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.342	96	806272	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	600543	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	289159	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.458	113	220740	49.54	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.08%		
49) 1,2-Dichloroethane-d4	8.037	65	254619	50.40	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	100.80%		
63) Toluene-d8	9.951	98	807875	49.33	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	98.66%		
86) 4-Bromofluorobenzene	12.731	174	238270	49.60	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.20%		
Target Compounds						Qvalue
18) Methylene Chloride	5.336	49	3145	0.52	ug/L	97
32) cis-1,2-Dichloroethene	6.970	96	3552	1.17	ug/L	91
47) Benzene	7.921	78	7344	0.63	ug/L #	56
53) Trichloroethene	8.543	95	9688	3.02	ug/L	85
78) Chlorobenzene	11.530	112	255367	31.55	ug/L	81
102) 1,3-Dichlorobenzene	13.834	146	2401	0.43	ug/L	88
104) 1,4-Dichlorobenzene	13.895	146	41783	6.79	ug/L	97
107) 1,2-Dichlorobenzene	14.334	146	57429	10.28	ug/L	97

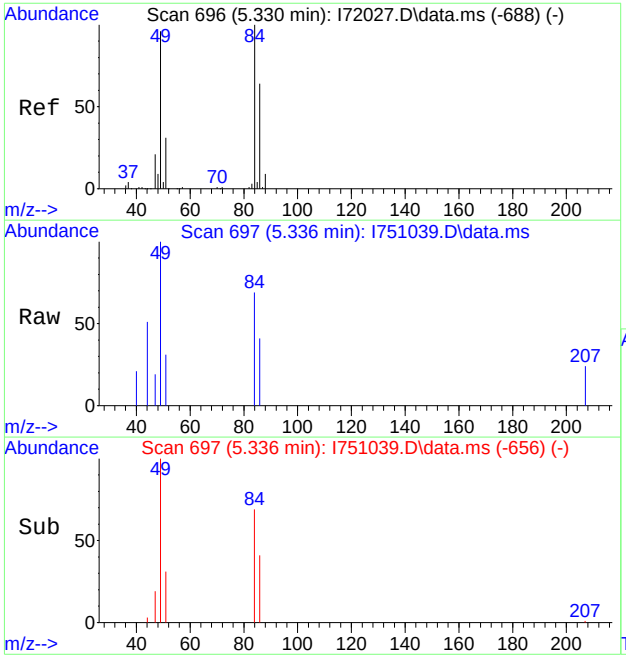
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751039.D
Acq On : 31 Aug 2022 11:24 pm
Operator : KarenW
Sample : FA98456-10
Misc : MS52303,VI2680,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 01 08:32:05 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

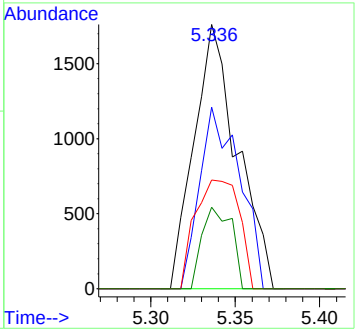


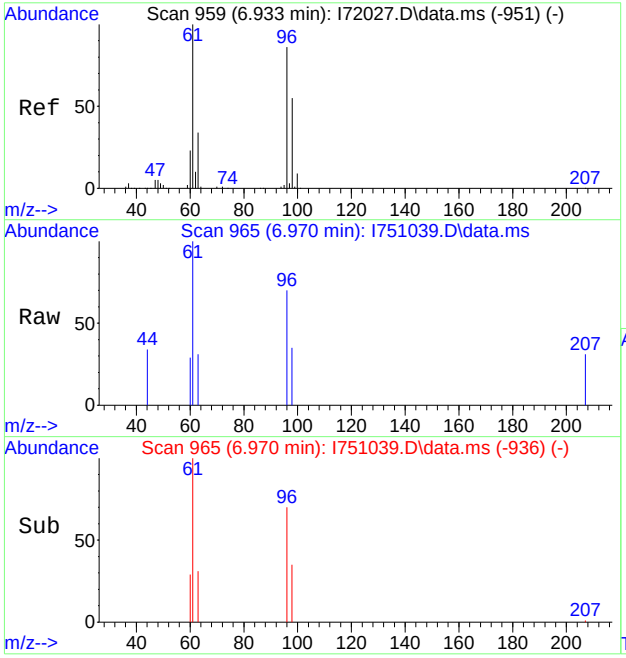


#18
Methylene Chloride
Concen: 0.52 ug/L
RT: 5.336 min Scan# 697
Delta R.T. 0.000 min
Lab File: I751039.D
Acq: 31 Aug 2022 11:24 pm

Tgt Ion: 49 Resp: 3145

Ion	Ratio	Lower	Upper
49	100		
84	68.7	34.1	94.1
86	41.1	10.8	70.8
51	30.8	0.9	60.9

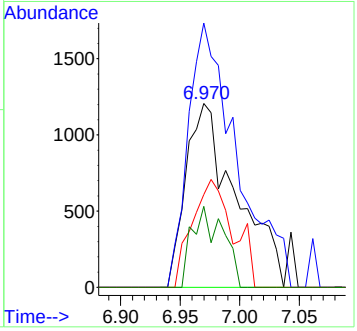


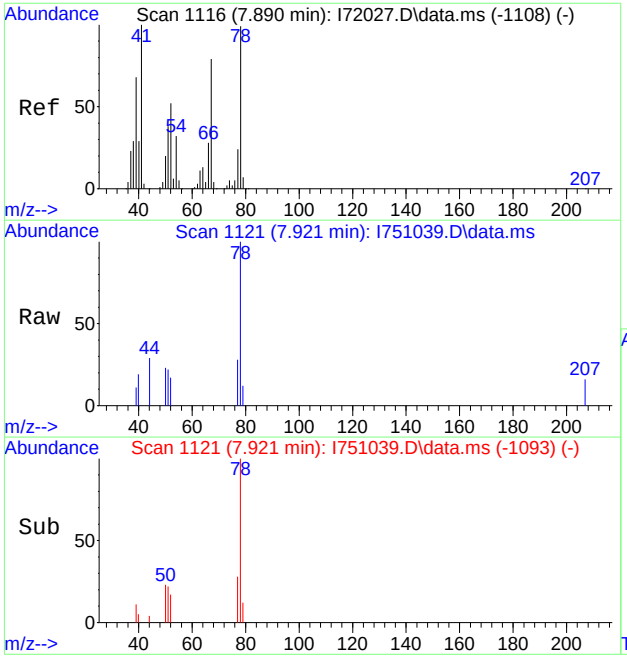


#32
cis-1,2-Dichloroethene
Concen: 1.17 ug/L
RT: 6.970 min Scan# 965
Delta R.T. 0.025 min
Lab File: I751039.D
Acq: 31 Aug 2022 11:24 pm

Tgt Ion: 96 Resp: 3552

Ion	Ratio	Lower	Upper
96	100		
61	143.7	121.8	181.8
98	50.5	33.6	93.6
63	44.0	17.2	77.2

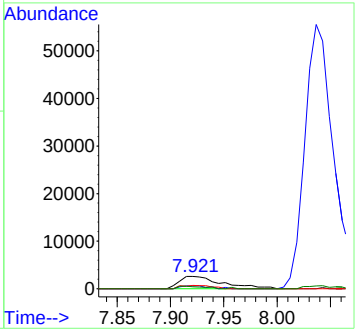


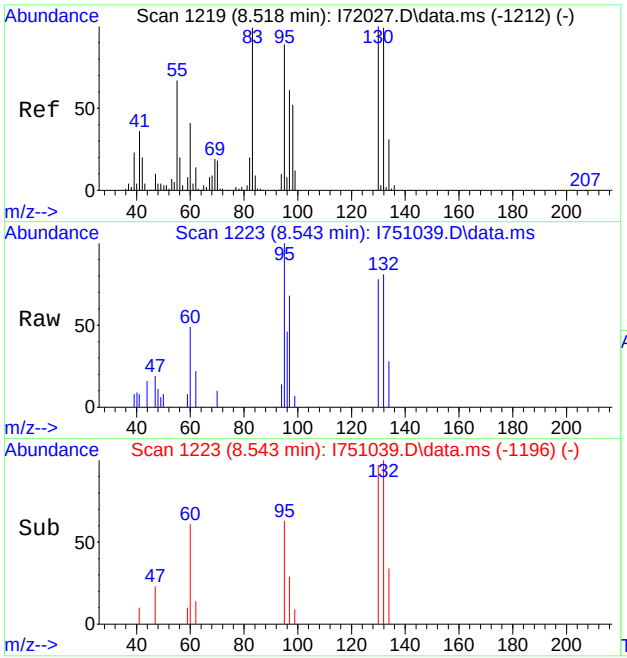


#47
Benzene
Concen: 0.63 ug/L
RT: 7.921 min Scan# 1121
Delta R.T. 0.019 min
Lab File: I751039.D
Acq: 31 Aug 2022 11:24 pm

Tgt Ion: 78 Resp: 7344

Ion	Ratio	Lower	Upper
78	100		
51	22.5	18.8	78.8
77	27.9	0.0	53.7
52	17.0	35.2	95.2#

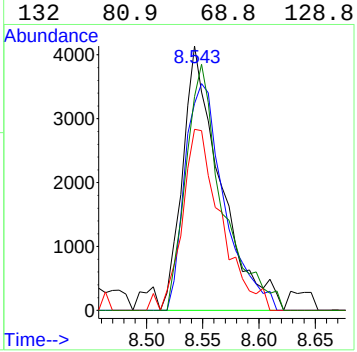


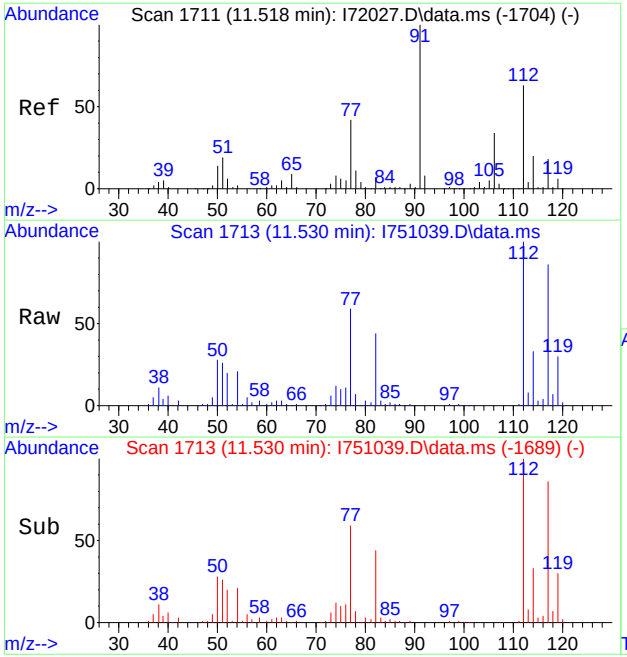


#53
Trichloroethene
Concen: 3.02 ug/L
RT: 8.543 min Scan# 1223
Delta R.T. 0.013 min
Lab File: I751039.D
Acq: 31 Aug 2022 11:24 pm

Tgt Ion: 95 Resp: 9688

Ion	Ratio	Lower	Upper
95	100		
130	78.2	67.4	127.4
97	68.5	35.8	95.8
132	80.9	68.8	128.8

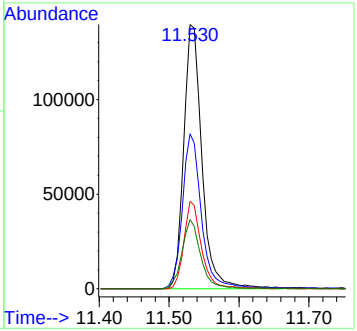


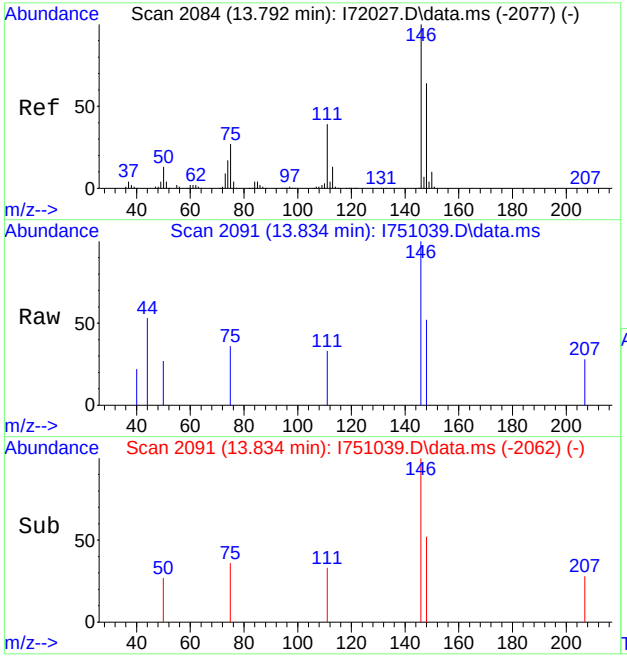


#78
Chlorobenzene
Concen: 31.55 ug/L
RT: 11.530 min Scan# 1713
Delta R.T. -0.006 min
Lab File: I751039.D
Acq: 31 Aug 2022 11:24 pm

Tgt Ion:112 Resp: 255367

Ion	Ratio	Lower	Upper
112	100		
77	58.6	44.8	104.8
114	33.1	1.5	61.5
51	26.2	17.1	77.1

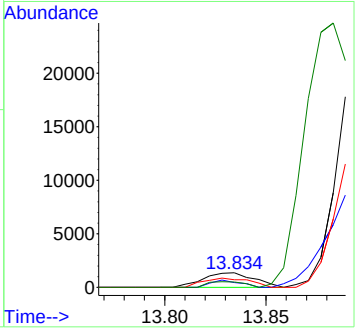


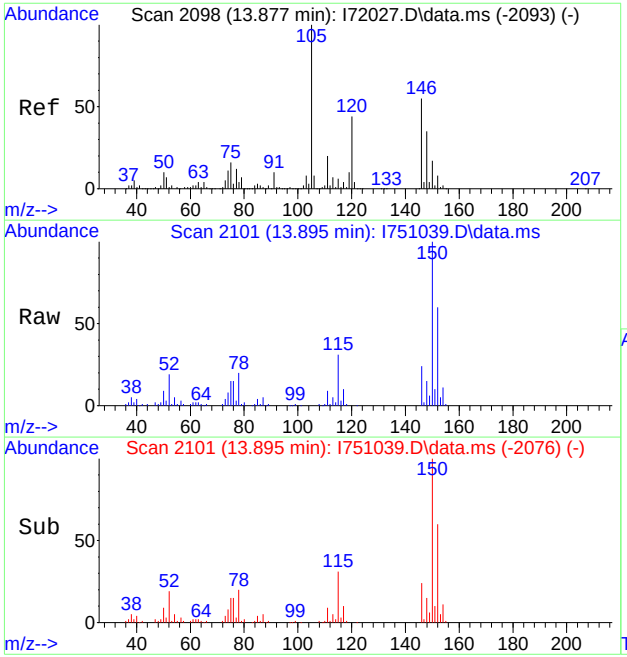


#102
1,3-Dichlorobenzene
Concen: 0.43 ug/L
RT: 13.834 min Scan# 2091
Delta R.T. 0.024 min
Lab File: I751039.D
Acq: 31 Aug 2022 11:24 pm

Tgt Ion:146 Resp: 2401

Ion	Ratio	Lower	Upper
146	100		
111	33.1	9.2	69.2
148	52.3	32.3	92.3
75	35.9	0.0	58.5

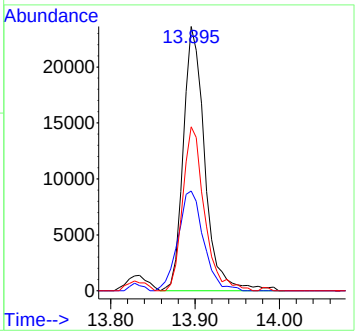


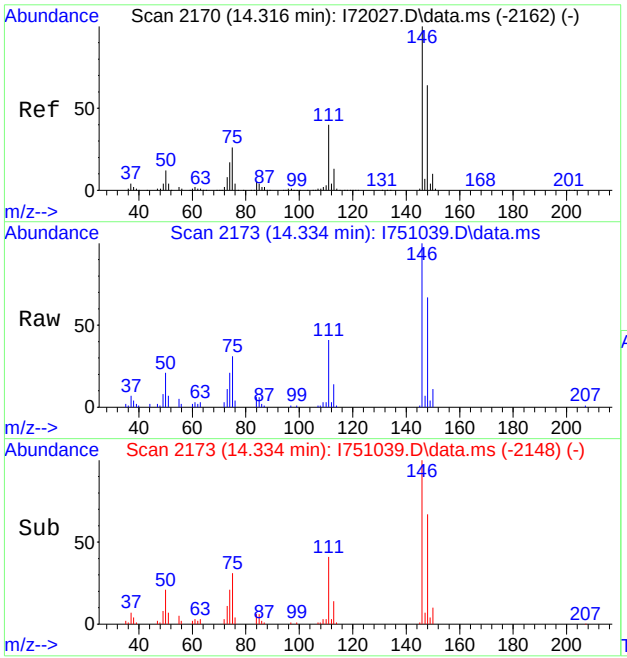


#104
1,4-Dichlorobenzene
Concen: 6.79 ug/L
RT: 13.895 min Scan# 2101
Delta R.T. 0.000 min
Lab File: I751039.D
Acq: 31 Aug 2022 11:24 pm

Tgt Ion:146 Resp: 41783

Ion	Ratio	Lower	Upper
146	100		
111	37.8	8.5	68.5
148	62.0	34.8	94.8

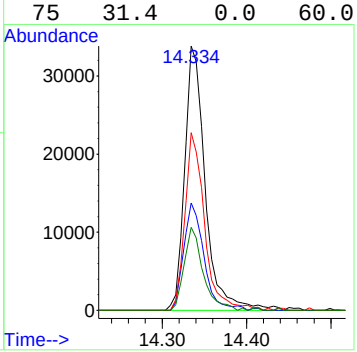




#107
1,2-Dichlorobenzene
Concen: 10.28 ug/L
RT: 14.334 min Scan# 2173
Delta R.T. 0.000 min
Lab File: I751039.D
Acq: 31 Aug 2022 11:24 pm

Tgt Ion:146 Resp: 57429

Ion	Ratio	Lower	Upper
146	100		
111	40.7	12.3	72.3
148	67.2	34.6	94.6
75	31.4	0.0	60.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751020.D
Acq On : 31 Aug 2022 3:15 pm
Operator : KarenW
Sample : MB
Misc : MS52303,VI2680,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 01 08:17:46 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

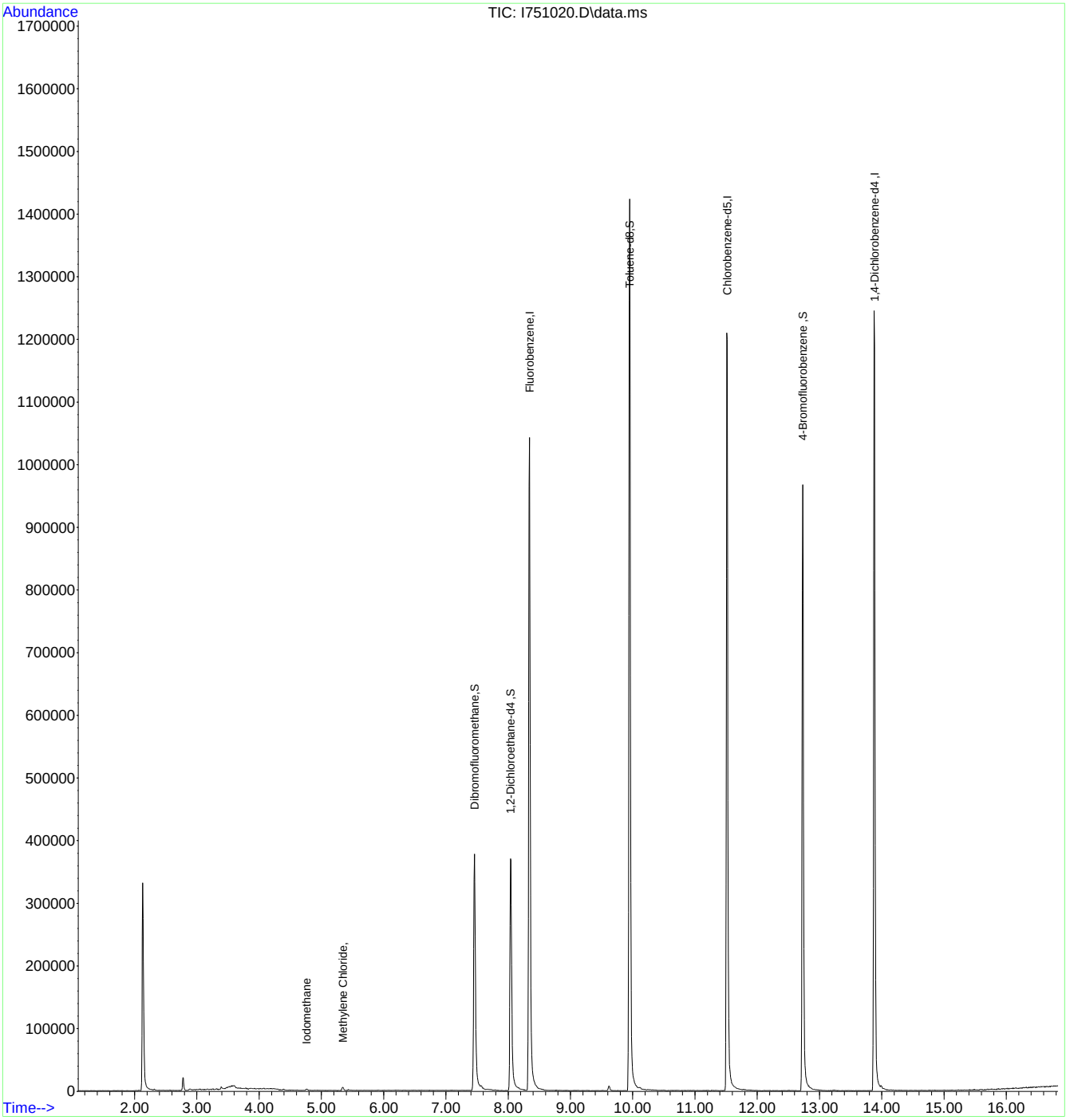
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Fluorobenzene		8.341	96	869518	50.00	ug/L	0.00
62) Chlorobenzene-d5		11.518	117	641952	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4		13.883	152	314522	50.00	ug/L	0.00
System Monitoring Compounds							
39) Dibromofluoromethane		7.458	113	238095	49.55	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	99.10%		
49) 1,2-Dichloroethane-d4		8.037	65	275896	50.64	ug/L	0.00
Spiked Amount	50.000	Range 79 - 125		Recovery =	101.28%		
63) Toluene-d8		9.951	98	865198	49.43	ug/L	0.00
Spiked Amount	50.000	Range 85 - 112		Recovery =	98.86%		
86) 4-Bromofluorobenzene		12.731	174	258895	49.54	ug/L	0.00
Spiked Amount	50.000	Range 83 - 118		Recovery =	99.08%		
Target Compounds							Qvalue
15) Iodomethane		4.757	142	2312	0.58	ug/L	73
18) Methylene Chloride		5.342	49	3822	0.58	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751020.D
Acq On : 31 Aug 2022 3:15 pm
Operator : KarenW
Sample : MB
Misc : MS52303,VI2680,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 01 08:17:46 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64382.D
Acq On : 1 Sep 2022 12:46 pm
Operator : joannel
Sample : MB
Misc : MS52308,VY2669,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 02 02:13:58 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

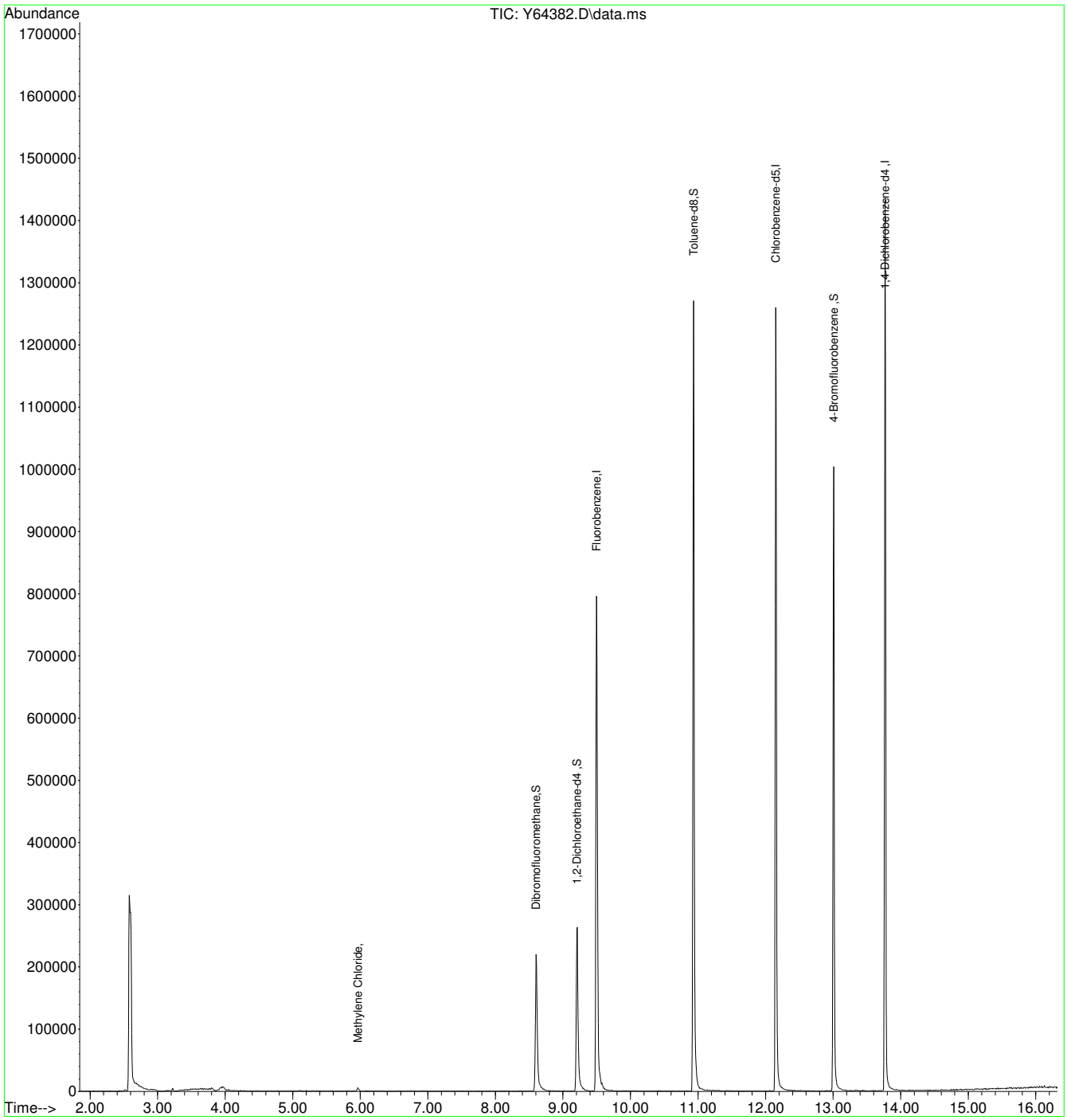
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	646981	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	553096	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	273700	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	137577	47.46	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.92%			
49) 1,2-Dichloroethane-d4	9.205	65	178447	50.40	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.80%			
63) Toluene-d8	10.933	98	668973	48.90	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.80%			
86) 4-Bromofluorobenzene	13.008	174	199533	48.02	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.04%			
Target Compounds						Qvalue
18) Methylene Chloride	5.963	49	3476	0.66	ug/L	82

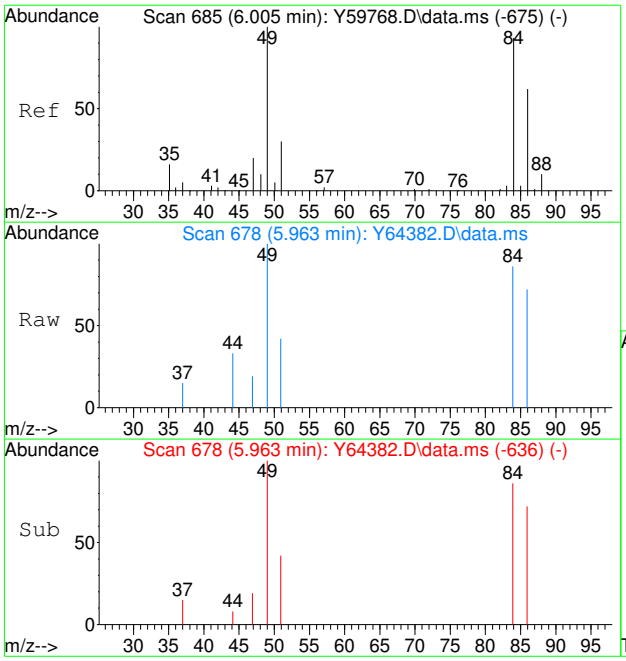
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64382.D
Acq On : 1 Sep 2022 12:46 pm
Operator : joannel
Sample : MB
Misc : MS52308,VY2669,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 02 02:13:58 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

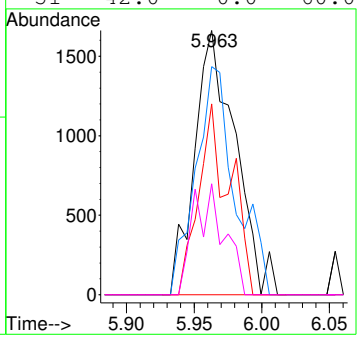




#18
Methylene Chloride
Concen: 0.66 ug/L
RT: 5.963 min Scan# 678
Delta R.T. 0.007 min
Lab File: Y64382.D
Acq: 1 Sep 2022 12:46 pm

Tgt Ion: 49 Resp: 3476

Ion	Ratio	Lower	Upper
49	100		
84	86.2	48.1	108.1
86	72.2	21.4	81.4
51	42.0	0.0	60.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70829.d
Acq On : 2 Sep 2022 1:37 pm
Operator : joannel
Sample : MB
Misc : MS52195,VO2809,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 20:58:05 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

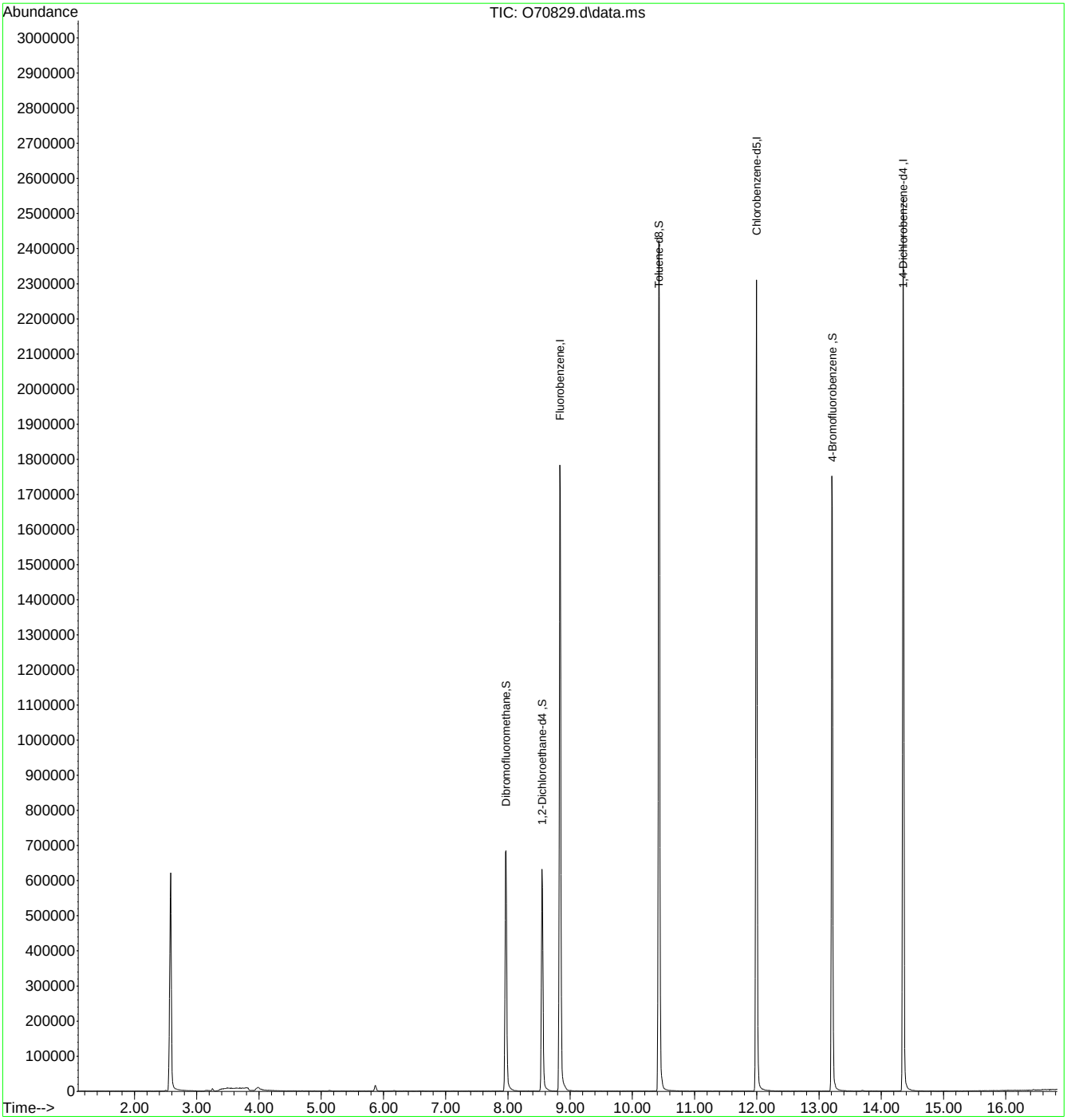
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1436445	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1173842	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	596616	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.970	113	387587	47.80	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.60%			
50) 1,2-Dichloroethane-d4	8.549	65	423073	50.72	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.44%			
63) Toluene-d8	10.427	98	1426368	48.47	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.94%			
86) 4-Bromofluorobenzene	13.213	174	479479	50.19	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.38%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70829.d
Acq On : 2 Sep 2022 1:37 pm
Operator : joannel
Sample : MB
Misc : MS52195,VO2809,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 20:58:05 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92901.D
Acq On : 13 Sep 2022 12:40 pm
Operator : lindsayr
Sample : MB Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 14 05:49:02 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

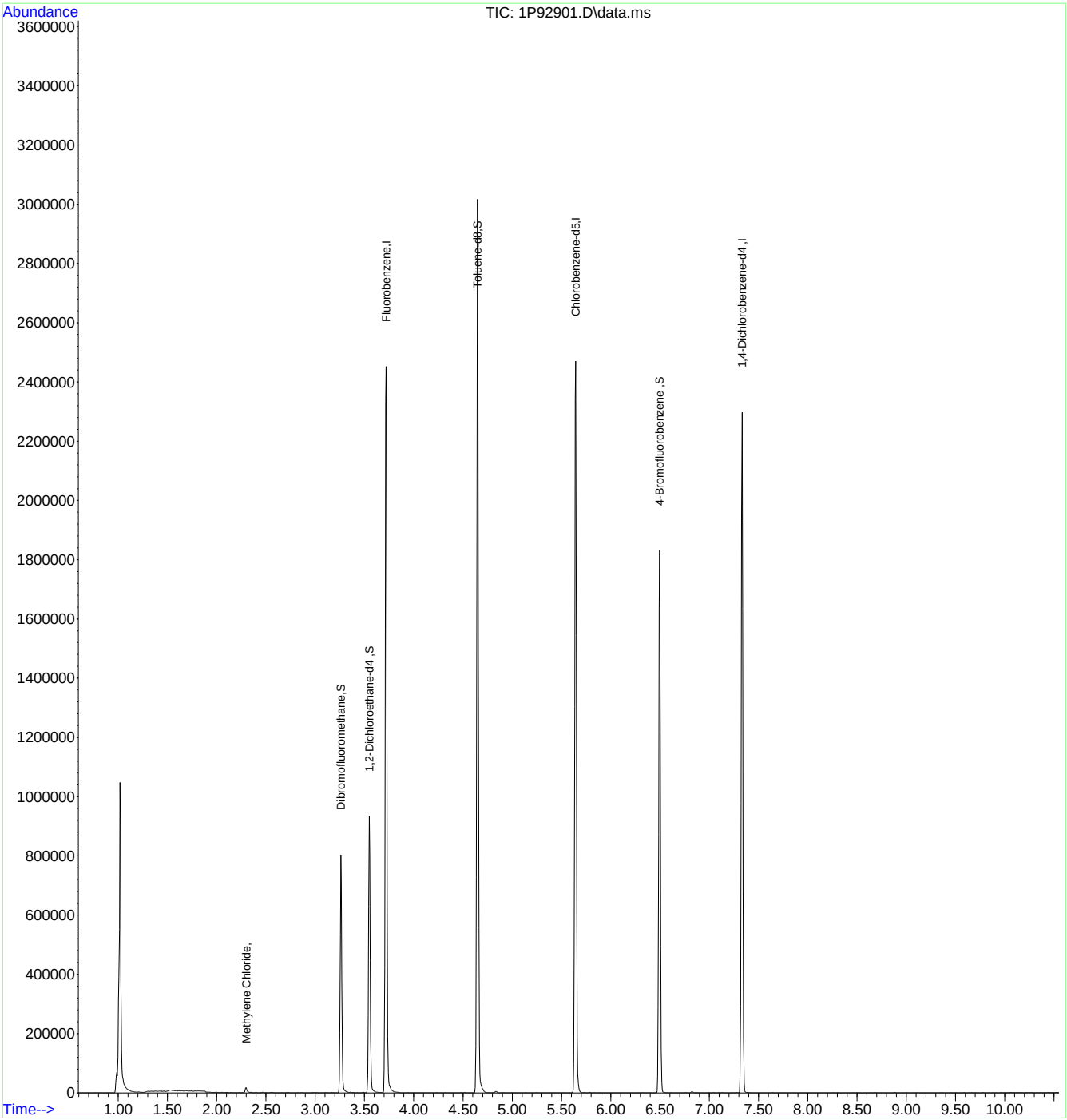
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.721	96	1409024	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.645	117	956254	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	418679	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.261	113	283701	47.21	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.42%			
49) 1,2-Dichloroethane-d4	3.548	65	403333	48.00	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.00%			
63) Toluene-d8	4.646	98	1340686	49.91	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.82%			
86) 4-Bromofluorobenzene	6.497	174	332879	49.90	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.80%			
Target Compounds						Qvalue
18) Methylene Chloride	2.299	49	6646	0.8771	ug/L	93

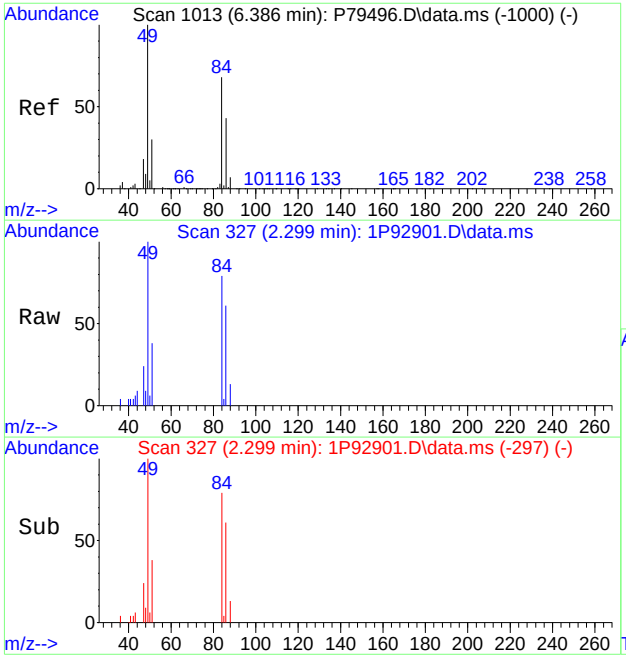
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92901.D
Acq On : 13 Sep 2022 12:40 pm
Operator : lindsayr
Sample : MB Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 14 05:49:02 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

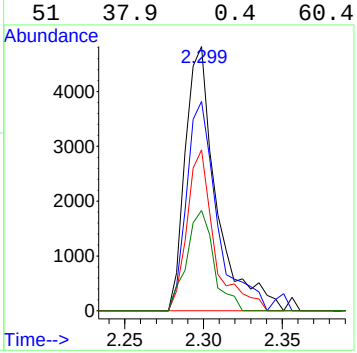




#18
Methylene Chloride
Concen: 0.8771 ug/L
RT: 2.299 min Scan# 327
Delta R.T. 0.005 min
Lab File: 1P92901.D
Acq: 13 Sep 2022 12:40 pm

Tgt Ion: 49 Resp: 6646

Ion	Ratio	Lower	Upper
49	100		
84	79.2	49.7	109.7
86	60.9	20.9	80.9
51	37.9	0.4	60.4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751017.D
Acq On : 31 Aug 2022 2:04 pm
Operator : KarenW
Sample : BS
Misc : MS52297,VI2680,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 08:14:29 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.342	96	905519	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	654706	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	334604	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.458	113	247417	49.44	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.88%			
49) 1,2-Dichloroethane-d4	8.043	65	281403	49.59	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.18%			
63) Toluene-d8	9.951	98	902574	50.56	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.12%			
86) 4-Bromofluorobenzene	12.731	174	273791	49.25	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.392	85	103298	25.17	ug/L	99
3) Chloromethane	2.715	50	135267	25.55	ug/L	95
4) Vinyl Chloride	2.861	62	123660	25.85	ug/L	100
5) 1,3-Butadiene	2.898	39	98156	27.74	ug/L	94
6) Bromomethane	3.391	94	63421	24.59	ug/L	93
7) Chloroethane	3.586	64	55961	23.24	ug/L	98
8) Trichlorofluoromethane	3.806	101	155593	26.58	ug/L	98
9) Ethyl Ether	4.312	59	76872	22.68	ug/L	99
10) 1,2-Dichlorotrifluoroe...	4.562	67	109179	27.66	ug/L	98
11) 1,1-Dichloroethene	4.562	61	147210	25.98	ug/L	99
12) Ethanol	4.550	45	88686	473.74	ug/L	99
13) Freon 113	4.623	101	85439	27.06	ug/L	96
14) Carbon Disulfide	4.605	76	218727	22.20	ug/L	98
15) Iodomethane	4.757	142	91273	22.29	ug/L	95
16) Acrolein	5.019	56	145028	101.61	ug/L	97
17) Allyl chloride	5.202	41	135787	27.30	ug/L	97
18) Methylene Chloride	5.336	49	133408	20.59	ug/L	98
19) Acetone	5.403	43	357062	124.08	ug/L	99
20) Methyl acetate	5.562	43	692684	125.02	ug/L	99
21) trans-1,2-Dichloroethene	5.562	61	133481	25.55	ug/L	98
22) Hexane	5.659	56	79315	32.03	ug/L	94
23) Methyl Tert Butyl Ether	5.696	73	271236	28.40	ug/L	89
24) Tert butyl alcohol	5.818	59	456830	238.70	ug/L	98
25) Acetonitrile	5.964	41	267967	226.47	ug/L	99
26) Di-isopropyl ether	6.153	45	301120	25.42	ug/L	98
27) Chloroprene	6.281	53	140498	132.38	ug/L	95
28) 1,1-Dichloroethane	6.305	63	172354	26.32	ug/L	98
29) Acrylonitrile	6.348	53	335113	117.83	ug/L	99
30) ETBE	6.586	59	275781	23.04	ug/L	98
31) Vinyl acetate	6.586	43	998045	116.97	ug/L	99
32) cis-1,2-Dichloroethene	6.946	96	86070	25.28	ug/L	98
33) 2,2-Dichloropropane	7.067	77	128014	23.73	ug/L	99
34) Bromochloromethane	7.183	128	37852	25.09	ug/L	87
35) Cyclohexane	7.208	56	173717	28.25	ug/L	97
36) Chloroform	7.256	83	157666	25.37	ug/L	97
37) Ethyl acetate	7.366	43	885172	116.51	ug/L	99
38) Tetrahydrofuran	7.452	42	83472	24.15	ug/L	94
40) Carbon Tetrachloride	7.433	117	121451	25.59	ug/L	99
41) 1,1,1-Trichloroethane	7.500	97	140020	25.46	ug/L	99
42) 2-Butanone	7.580	43	584246	123.69	ug/L	99
43) 1,1-Dichloropropene	7.641	75	116369	25.15	ug/L	98
44) tert-Butyl Formate	7.732	59	379676	102.32	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751017.D
Acq On : 31 Aug 2022 2:04 pm
Operator : KarenW
Sample : BS
Misc : MS52297,VI2680,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 08:14:29 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	7.890	54	343445	235.83	ug/L		97
46) Methacrylonitrile	7.921	41	949505	223.26	ug/L		98
47) Benzene	7.909	78	330177	25.05	ug/L		88
48) TAME	8.012	73	319828	33.03	ug/L		97
50) Isobutyl alcohol	8.092	42	201833	463.89	ug/L		98
51) 1,2-Dichloroethane	8.116	62	123301	24.24	ug/L		97
52) Tert Amyl Alcohol	8.201	59	389314	231.04	ug/L		98
53) Trichloroethene	8.537	95	89262	24.80	ug/L		98
54) Methylcyclohexane	8.537	83	137931	29.15	ug/L		99
55) Dibromomethane	8.976	93	53459	23.94	ug/L		93
56) 1,2-Dichloropropane	9.061	63	88507	23.50	ug/L		98
57) Bromodichloromethane	9.122	83	111317	24.62	ug/L		99
58) Methyl methacrylate	9.250	41	105971	22.49	ug/L		96
59) 1,4-Dioxane	9.317	88	63312	509.40	ug/L		98
60) 2-Chloroethyl vinyl ether	9.665	63	361186	118.74	ug/L		99
61) cis-1,3-Dichloropropene	9.756	75	125646	24.26	ug/L		99
64) Toluene	10.006	91	340991	24.59	ug/L		97
65) 2-Nitropropane	10.207	41	238322	121.13	ug/L		96
66) 4-Methyl-2-pentanone	10.341	43	949000	126.41	ug/L		100
67) trans-1,3-Dichloropropene	10.408	75	117251	27.25	ug/L		98
68) Tetrachloroethene	10.414	166	97828	24.99	ug/L		98
69) Ethyl methacrylate	10.524	69	111011	23.09	ug/L		98
70) 1,1,2-Trichloroethane	10.567	83	66049	24.61	ug/L		97
71) Dibromochloromethane	10.768	129	84271	23.90	ug/L		98
72) 1,3-Dichloropropane	10.847	76	120865	22.51	ug/L		99
73) 1,2-Dibromoethane	11.024	107	82981	24.59	ug/L		100
74) 3,3-dimethyl-1-butanol	11.128	57	2192310	1298.60	ug/L		99
75) 2-hexanone	11.170	43	811689	118.04	ug/L		99
76) 1-Chlorohexane	11.475	91	114732	26.33	ug/L		98
77) Ethylbenzene	11.536	91	385367	24.65	ug/L		99
78) Chlorobenzene	11.536	112	219371	24.86	ug/L		99
79) 1,1,1,2-Tetrachloroethane	11.585	131	82232	24.94	ug/L		98
80) m,p-Xylene	11.676	91	579510	49.55	ug/L		100
81) o-Xylene	12.115	91	295478	25.44	ug/L		100
82) Styrene	12.164	104	207832	24.76	ug/L		98
83) Bromoform	12.219	173	65262	25.31	ug/L		99
84) Isopropylbenzene	12.420	105	368010	25.78	ug/L		99
87) cis-1,4-Dichloro-2-butene	12.768	53	45430	20.33	ug/L		93
88) n-Propylbenzene	12.841	91	435065	25.04	ug/L		98
89) Bromobenzene	12.859	156	88501	23.24	ug/L		91
90) 1,1,2,2-Tetrachloroethane	12.902	83	132725	23.52	ug/L		97
91) 1,3,5-Trimethylbenzene	13.024	105	293816	24.27	ug/L		100
92) 2-Chlorotoluene	13.030	91	288176	25.13	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.085	53	40470	18.89	ug/L		93
94) 1,2,3-Trichloropropane	13.054	110	39478	21.78	ug/L		91
95) Cyclohexanone	13.115	55	74557	130.54	ug/L		96
96) 4-Chlorotoluene	13.194	91	251543	24.22	ug/L		99
97) tert-Butylbenzene	13.365	91	169316	24.57	ug/L		98
98) 1,2,4-Trimethylbenzene	13.432	105	291591	25.01	ug/L		100
99) Pentachloroethane	13.414	167	52693	23.32	ug/L		96
100) sec-Butylbenzene	13.548	105	376591	26.31	ug/L		99
101) 4-Isopropyltoluene	13.682	119	313495	26.36	ug/L		99
102) 1,3-Dichlorobenzene	13.810	146	163419	25.02	ug/L		99
103) 1,2,3-Trimethylbenzene	13.895	105	302973	25.03	ug/L		97
104) 1,4-Dichlorobenzene	13.895	146	170415	23.94	ug/L		99
105) n-Butylbenzene	14.121	92	160729	23.77	ug/L		90
106) Benzyl Chloride	14.133	126	31441	18.87	ug/L	#	64
107) 1,2-Dichlorobenzene	14.334	146	156903	24.26	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751017.D
Acq On : 31 Aug 2022 2:04 pm
Operator : KarenW
Sample : BS
Misc : MS52297,VI2680,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 08:14:29 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

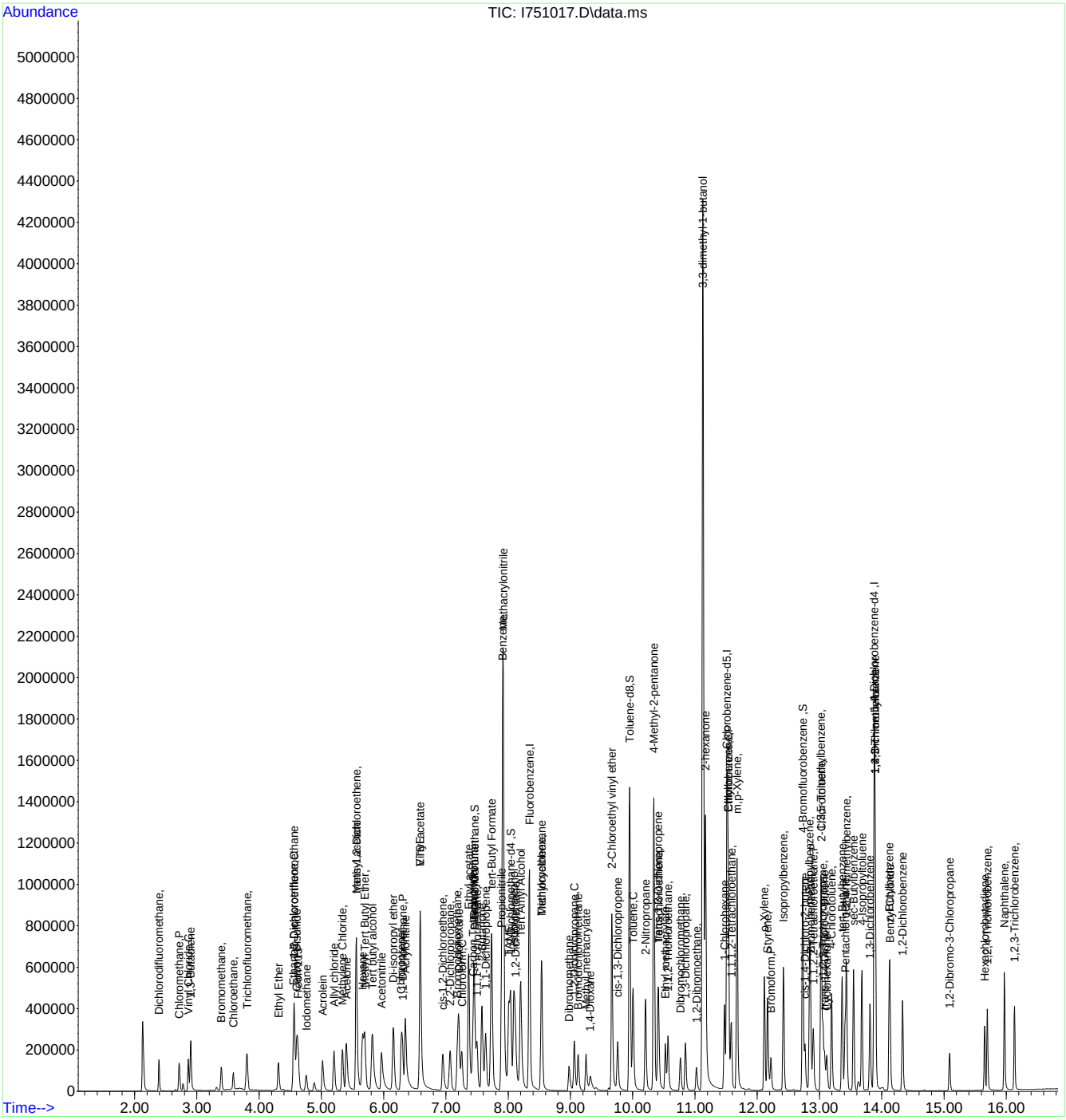
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	38230	22.66	ug/L	98
109) Hexachlorobutadiene	15.651	225	47536	24.06	ug/L	97
110) 1,2,4-Trichlorobenzene	15.694	180	102272	24.08	ug/L	98
111) Naphthalene	15.968	128	348934	24.36	ug/L	99
112) 1,2,3-Trichlorobenzene	16.133	180	101165	23.70	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751017.D
Acq On : 31 Aug 2022 2:04 pm
Operator : KarenW
Sample : BS
Misc : MS52297,VI2680,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 08:14:29 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 11:07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:52:32 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	727144	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	629425	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	338850	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	167106	51.29	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.58%			
49) 1,2-Dichloroethane-d4	9.205	65	196020	49.26	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.52%			
63) Toluene-d8	10.933	98	756970	48.62	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.24%			
86) 4-Bromofluorobenzene	13.007	174	251430	48.88	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.76%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	106311	25.77	ug/L	96
3) Acrolein	5.586	56	105870	106.79	ug/L	93
4) Chloromethane	3.177	50	121422	26.81	ug/L	90
5) 1,3-butadiene	3.341	39	132844	32.18	ug/L	97
6) Vinyl Chloride	3.310	62	130028	25.68	ug/L	92
7) Bromomethane	3.828	94	24293	25.50	ug/L	98
8) Chloroethane	4.022	64	48131	27.80	ug/L	94
9) Trichlorofluoromethane	4.241	101	153177	28.69	ug/L	97
10) Ethyl Ether	4.746	59	79365	23.97	ug/L	96
11) Ethanol	4.996	45	44271	507.03	ug/L	87
12) 1,2-Dichlorotrifluoroe...	5.038	67	107327	29.32	ug/L	97
13) 1,1-Dichloroethene	5.050	61	137023	27.64	ug/L	98
14) Freon 113	5.105	101	92351	26.80	ug/L	98
15) Carbon Disulfide	5.099	76	217875	23.11	ug/L	99
16) Iodomethane	5.275	142	20590	24.84	ug/L	93
17) Allyl chloride	5.793	41	135379	29.07	ug/L	96
18) Methylene Chloride	5.957	49	136986	23.21	ug/L	98
19) Acetone	6.042	43	281833	135.21	ug/L	97
20) Methyl acetate	6.231	43	605431	127.99	ug/L	99
21) trans-1,2-Dichloroethene	6.218	61	128694	26.03	ug/L	97
22) Hexane	6.334	56	80607m	30.25	ug/L	
23) Methyl Tert Butyl Ether	6.377	73	320108	28.12	ug/L	80
24) Tert Butyl Alcohol	6.535	59	308472	261.53	ug/L	99
25) Acetonitrile	6.784	41	226095	244.87	ug/L	99
26) Di-isopropyl ether	6.985	45	289483	23.93	ug/L	96
27) Chloroprene	7.173	53	130629	122.84	ug/L	97
28) 1,1-Dichloroethane	7.216	63	175139	27.23	ug/L	97
29) Acrylonitrile	7.301	53	286432	114.31	ug/L	100
30) ETBE	7.575	59	273905	22.72	ug/L	96
31) Vinyl acetate	7.599	43	1140738	119.11	ug/L	98
32) cis-1,2-Dichloroethene	8.031	96	105834	25.83	ug/L	97
33) 2,2-Dichloropropane	8.165	77	133229	24.98	ug/L	98
34) Bromochloromethane	8.287	128	42790	22.37	ug/L	98
35) Cyclohexane	8.293	56	195886	27.63	ug/L	98
36) Chloroform	8.378	83	162006	25.25	ug/L	98
37) Ethyl acetate	8.512	43	840526	115.32	ug/L	99
38) Tetrahydrofuran	8.585	42	72420	24.61	ug/L	98
40) Carbon Tetrachloride	8.554	117	114230	26.52	ug/L	93
41) 1,1,1-Trichloroethane	8.633	97	144658	25.78	ug/L	92
42) 2-Butanone	8.743	43	501770	129.22	ug/L	99
43) 1,1-Dichloropropene	8.779	75	136953	26.77	ug/L	96
44) tert-Butyl formate	8.895	59	353777	107.58	ug/L	96
45) Propionitrile	9.084	54	294534	249.47	ug/L	97
46) Methacrylonitrile	9.102	41	926347	241.42	ug/L	97
47) Benzene	9.059	78	419518	25.22	ug/L	98
48) TAME	9.169	73	376636	31.98	ug/L	98
50) Isobutyl Alcohol	9.272	42	164557	517.28	ug/L	97
51) 1,2-Dichloroethane	9.278	62	125879	23.99	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:52:32 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

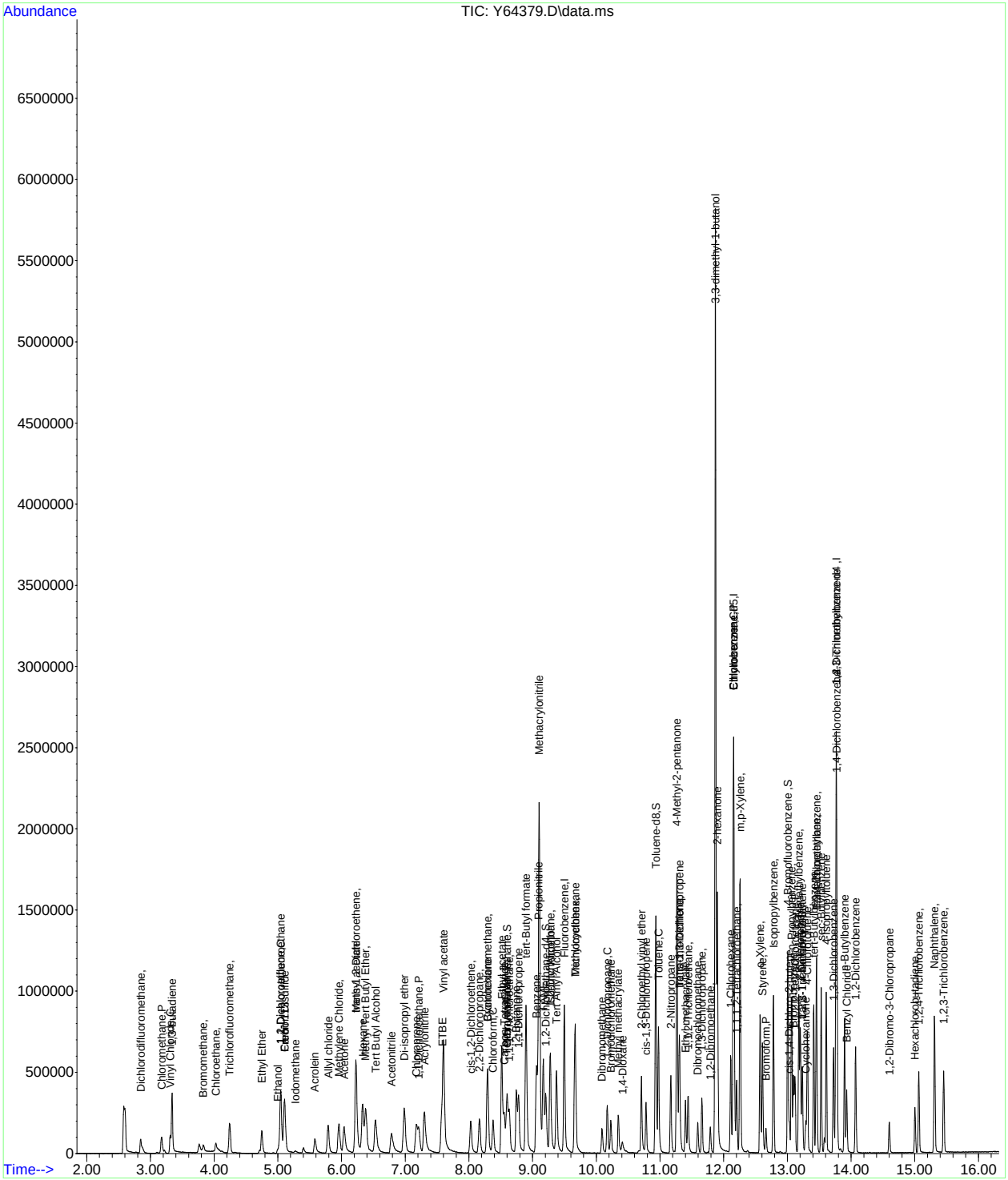
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Tert Amyl Alcohol	9.376	59	263588m	262.61 ug/L		
53) Trichloroethene	9.674	95	106814	26.51 ug/L		95
54) Methylcyclohexane	9.662	83	204712	29.09 ug/L		96
55) Dibromomethane	10.087	93	53996	23.74 ug/L		92
56) 1,2-Dichloropropane	10.173	63	93478	23.42 ug/L		100
57) Bromodichloromethane	10.227	83	108816	25.56 ug/L		99
58) Methyl methacrylate	10.343	41	107564	24.16 ug/L		98
59) 1,4-Dioxane	10.410	88	53078	609.35 ug/L		98
60) 2-Chloroethyl vinyl ether	10.708	63	163273	144.96 ug/L		99
61) cis-1,3-Dichloropropene	10.781	75	140205	24.87 ug/L		97
64) Toluene	10.976	91	447051	23.23 ug/L		99
65) 2-Nitropropane	11.170	41	219886	115.01 ug/L		99
66) 4-Methyl-2-pentanone	11.262	43	925145	121.16 ug/L		99
67) trans-1,3-Dichloropropene	11.310	75	132492	25.31 ug/L		85
68) Tetrachloroethene	11.304	166	112585	24.21 ug/L		97
69) Ethyl methacrylate	11.401	69	139255	22.24 ug/L		98
70) 1,1,2-Trichloroethane	11.438	83	74738	22.33 ug/L		99
71) Dibromochloromethane	11.590	129	78973	21.98 ug/L		99
72) 1,3-Dichloropropane	11.657	76	157005	21.49 ug/L		97
73) 1,2-Dibromoethane	11.791	107	93370	22.59 ug/L		99
74) 3,3-dimethyl-1-butanol	11.870	57	1795277m	1125.13 ug/L		
75) 2-hexanone	11.900	43	737572	135.91 ug/L		100
76) 1-Chlorohexane	12.113	91	152462	26.33 ug/L		95
77) Ethylbenzene	12.156	91	498639	23.52 ug/L		99
78) Chlorobenzene	12.162	112	271336	22.96 ug/L		98
79) 1,1,1,2-Tetrachloroethane	12.204	131	85346	22.75 ug/L		97
80) m,p-Xylene	12.259	91	772291	47.14 ug/L		99
81) o-Xylene	12.569	91	377150	23.99 ug/L		99
82) Styrene	12.606	104	270635	23.61 ug/L		97
83) Bromoform	12.661	173	52689	22.39 ug/L		94
84) Isopropylbenzene	12.782	105	487261	24.37 ug/L		98
87) cis-1,4-Dichloro-2-butene	13.032	53	27188	13.83 ug/L		92
88) n-Propylbenzene	13.062	91	590967	23.76 ug/L		95
89) Bromobenzene	13.099	156	103944	20.95 ug/L		97
90) 1,1,2,2-Tetrachloroethane	13.117	83	151217	21.86 ug/L		98
91) 1,3,5-Trimethylbenzene	13.178	105	390491	22.98 ug/L		97
92) 2-Chlorotoluene	13.202	91	359005	22.23 ug/L		99
93) trans-1,4-Dichloro-2-B...	13.239	53	25324	13.87 ug/L	#	41
94) 1,2,3-Trichloropropane	13.233	110	46853	20.15 ug/L		92
95) Cyclohexanone	13.287	55	61269	136.92 ug/L		95
96) 4-Chlorotoluene	13.312	91	316557	22.02 ug/L		97
97) tert-Butylbenzene	13.415	91	217187	23.20 ug/L		95
98) 1,2,4-Trimethylbenzene	13.452	105	378920	22.72 ug/L		95
99) Pentachloroethane	13.464	167	57583	22.46 ug/L		96
100) sec-Butylbenzene	13.531	105	503182	24.78 ug/L		99
101) 4-Isopropyltoluene	13.610	119	421244	24.69 ug/L		99
102) 1,3-Dichlorobenzene	13.725	146	199890	22.39 ug/L		96
103) 1,2,3-Trimethylbenzene	13.762	105	393676	23.34 ug/L		99
104) 1,4-Dichlorobenzene	13.780	146	205726	21.74 ug/L		99
105) n-Butylbenzene	13.896	92	188275	22.24 ug/L		96
106) Benzyl Chloride	13.932	126	43472	16.07 ug/L		99
107) 1,2-Dichlorobenzene	14.072	146	192815	22.09 ug/L		99
108) 1,2-Dibromo-3-Chloropr...	14.601	75	32996	20.48 ug/L		93
109) Hexachlorobutadiene	15.003	225	36232	22.46 ug/L		87
110) 1,2,4-Trichlorobenzene	15.064	180	121873	21.36 ug/L		99
111) Naphthalene	15.307	128	558623	22.73 ug/L		100
112) 1,2,3-Trichlorobenzene	15.453	180	122432	21.40 ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:52:32 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

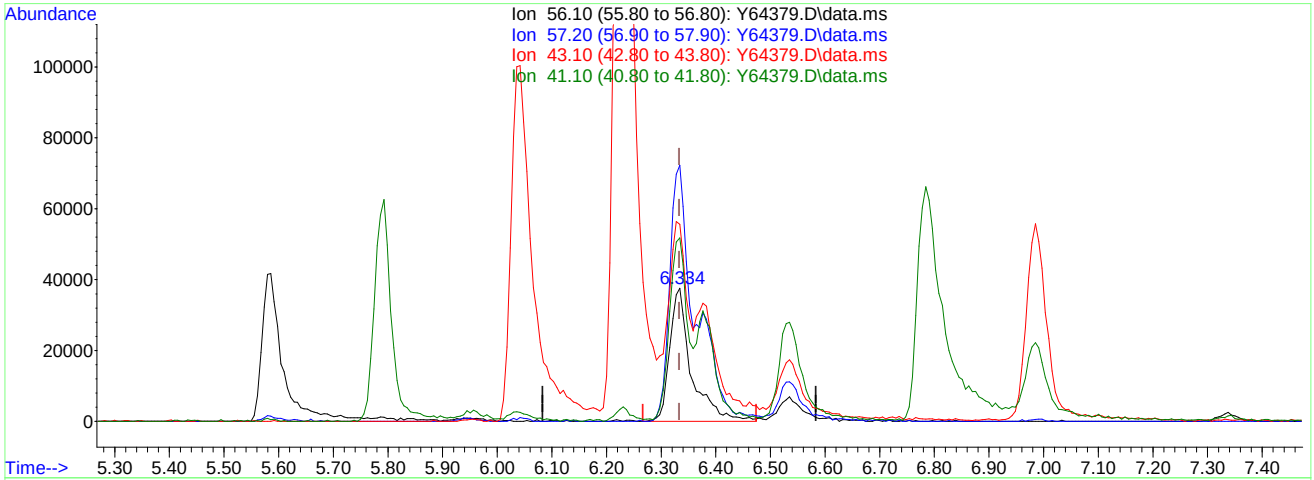
Sample Number: VY2669-BS
Lab FileID: Y64379.D
Injection Time: 09/01/22 11:32
Method: SW846 8260D
Analyst approved: 09/01/22 11:53 Jo-Ann Lugo De Jesus
Supervisor approved: 09/02/22 11:07 Karen Watson

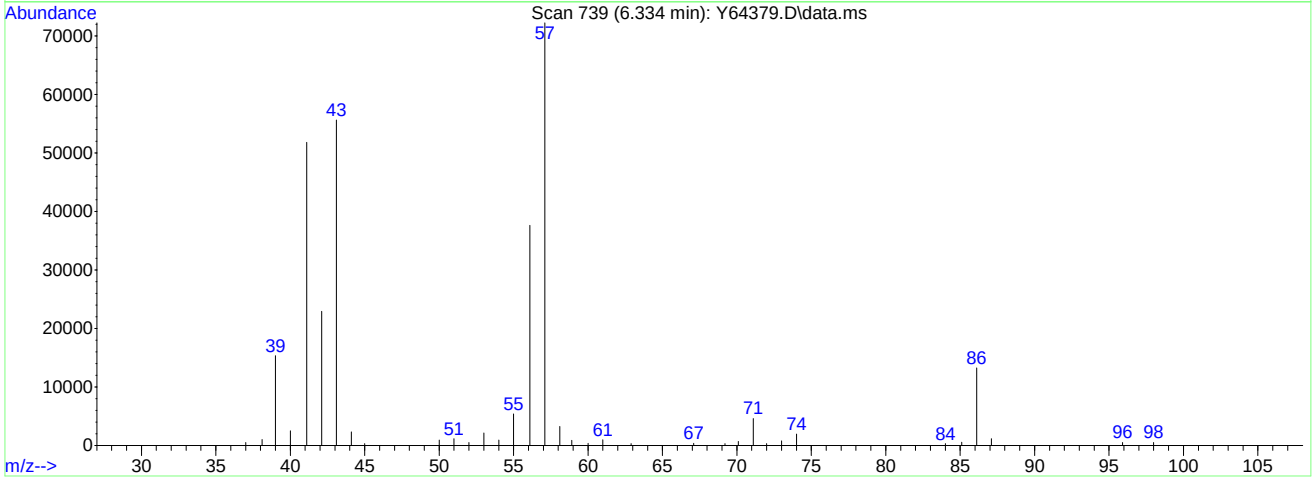
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:51:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64379.D\data.ms

(22) Hexane

6.334min (+0.001) 38.93ug/L

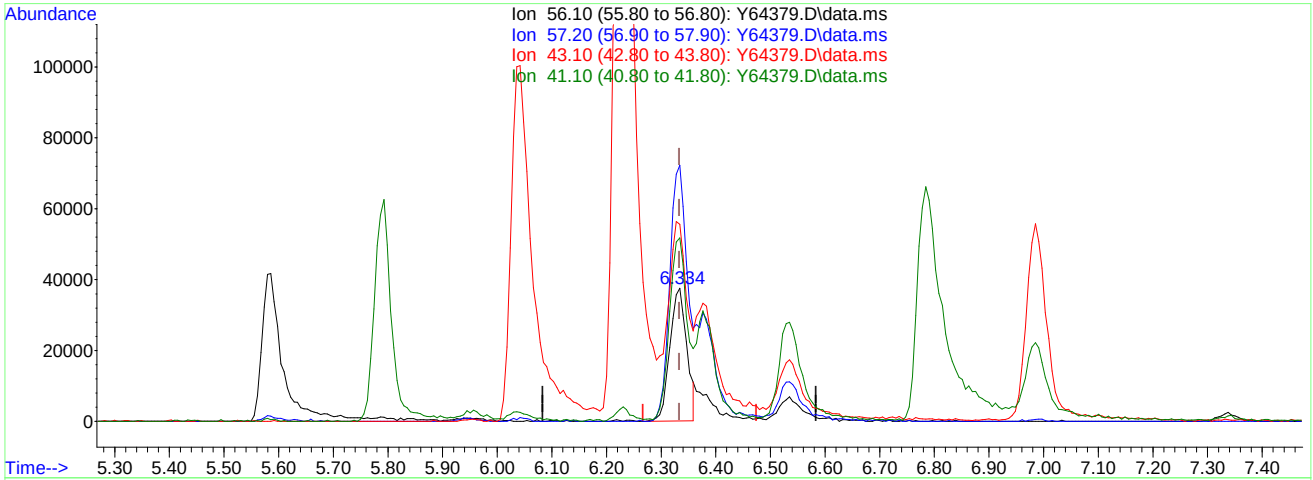
response 103743

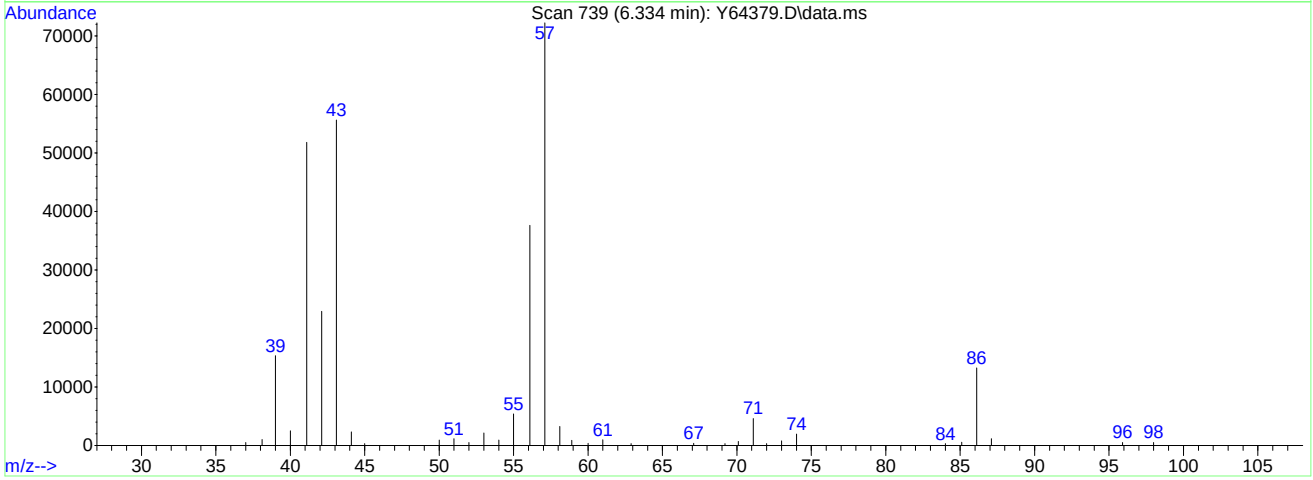
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	192.19
43.10	151.00	136.26
41.10	129.70	136.19

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:51:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64379.D\data.ms

(22) Hexane

6.334min (+0.001) 30.25ug/L m

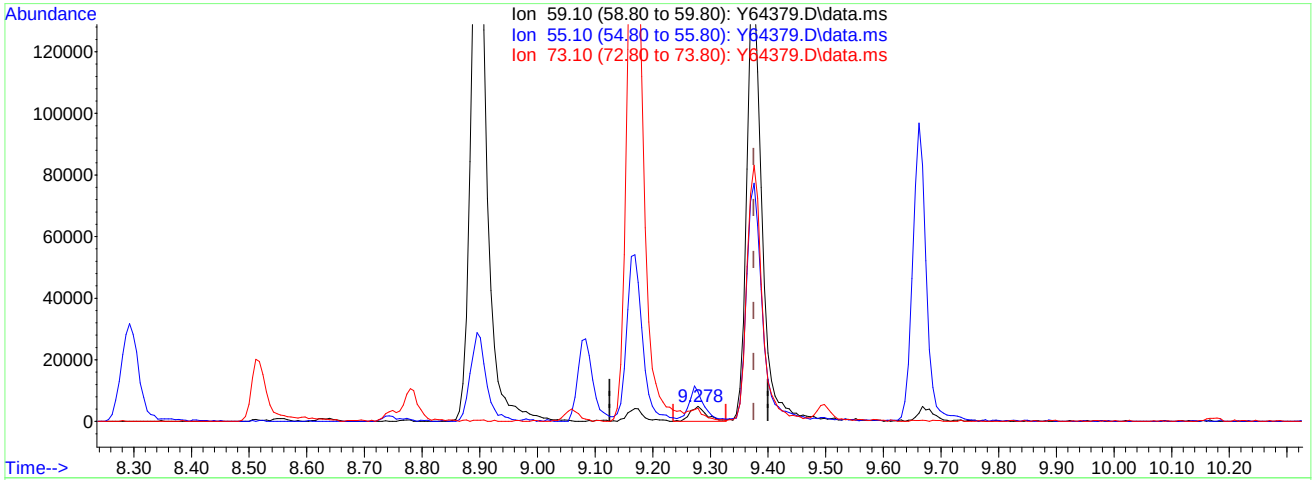
response 80607

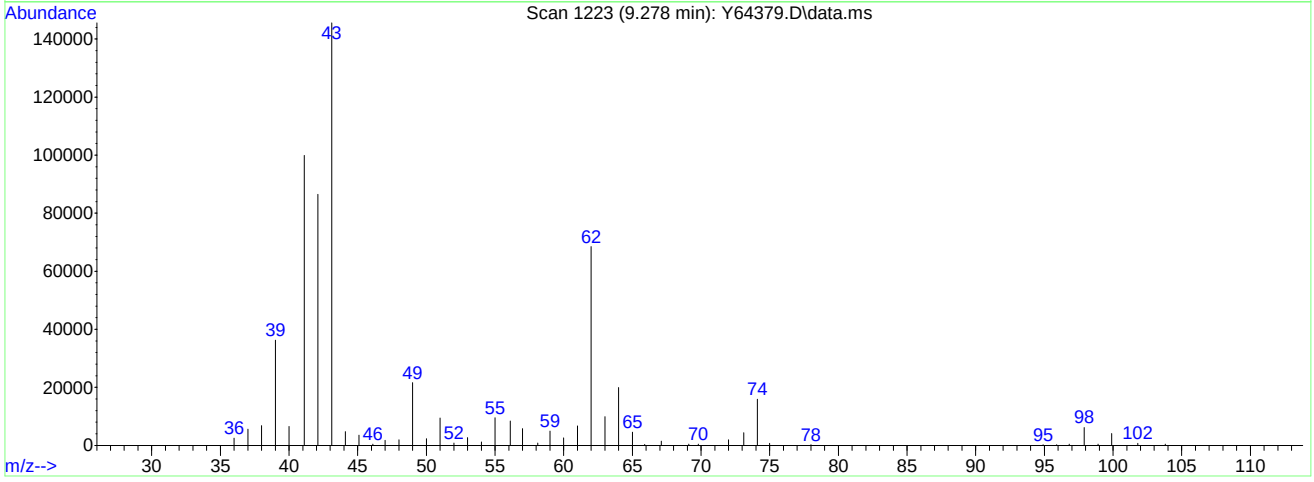
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	192.19
43.10	151.00	147.91
41.10	129.70	137.79

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:51:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64379.D\data.ms

(52) Tert Amyl Alcohol

9.278min (-0.097) 11.08ug/L

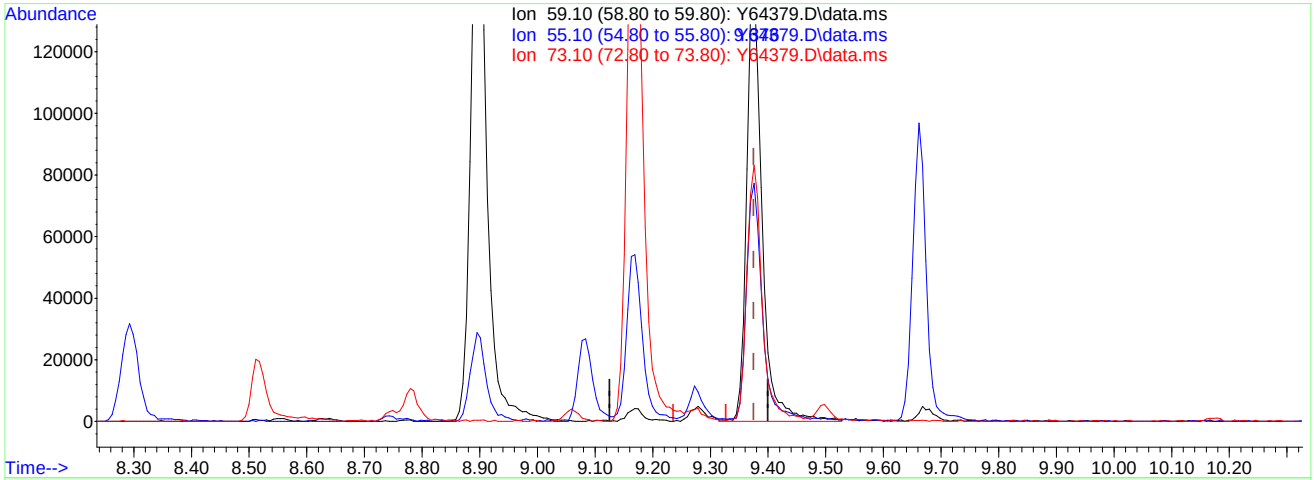
response 9864

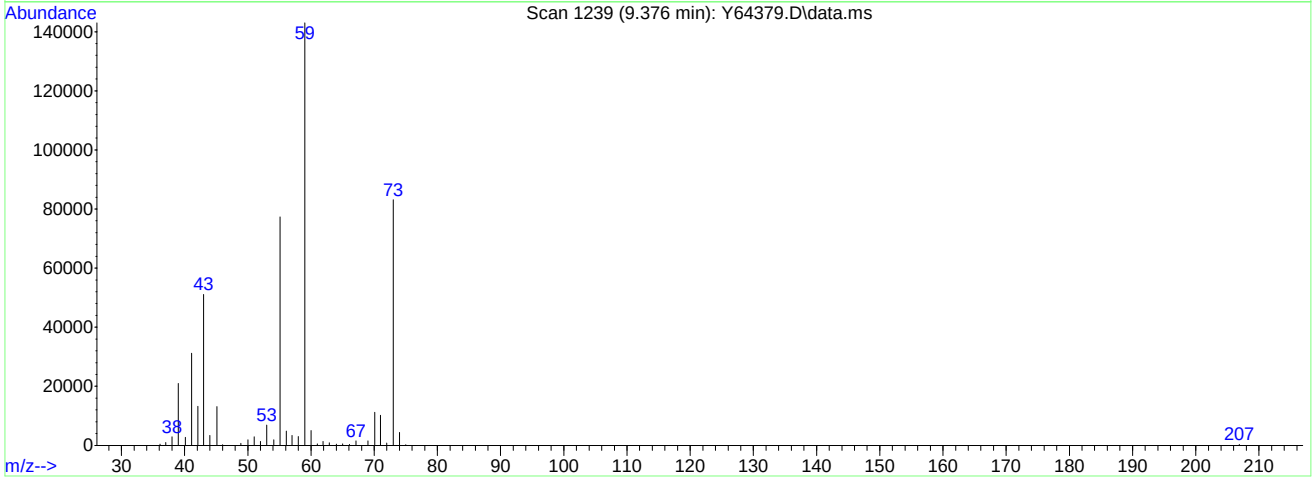
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	178.74#
73.10	59.00	81.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:51:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64379.D\data.ms

(52) Tert Amyl Alcohol

9.376min (+0.001) 262.61ug/L m

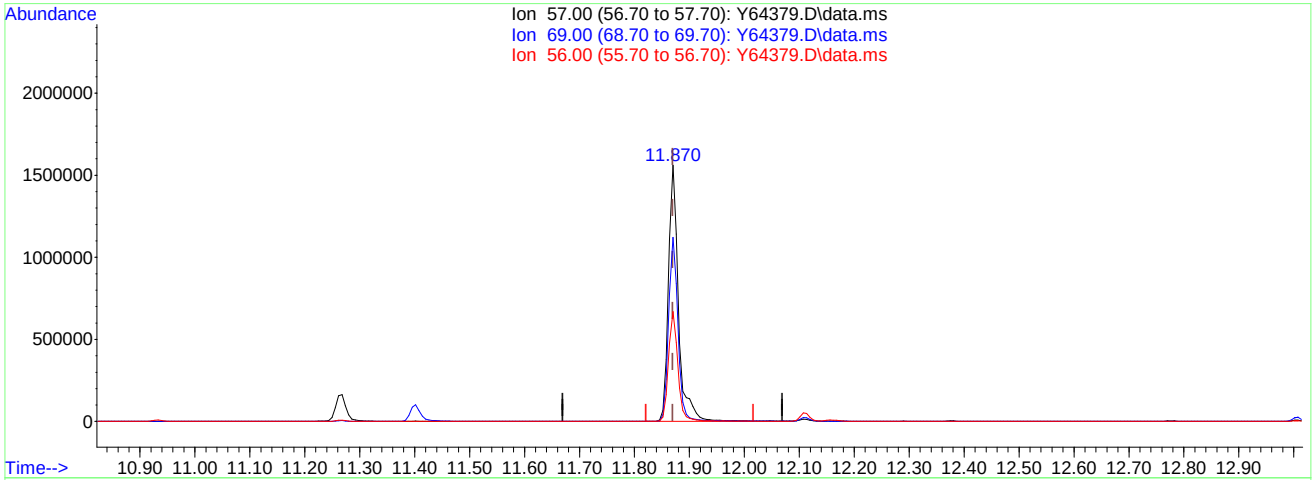
response 263588

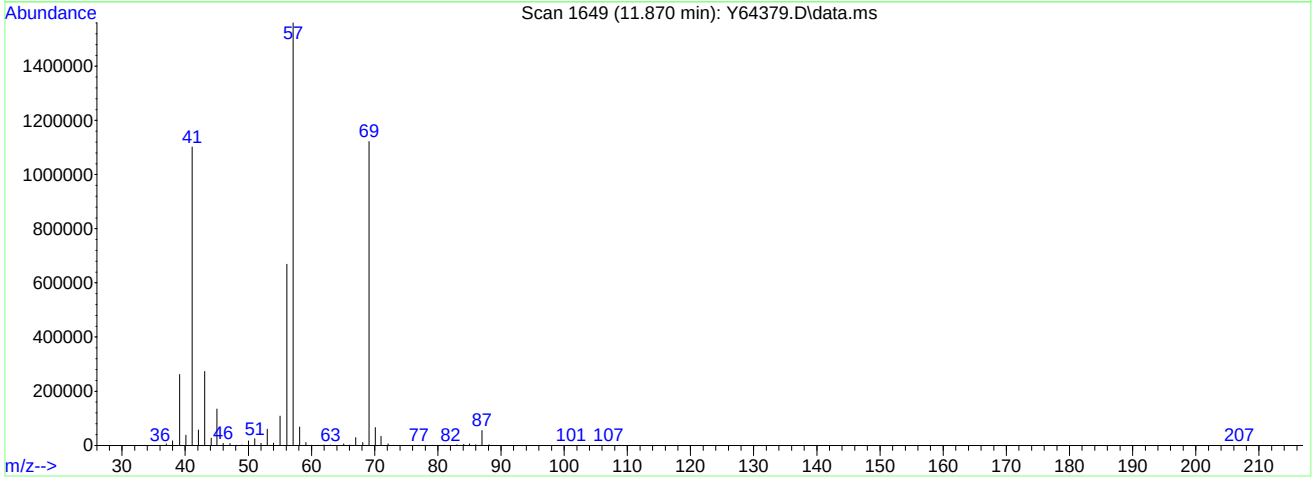
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	54.09
73.10	59.00	58.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:51:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64379.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (+0.001) 1239.42ug/L

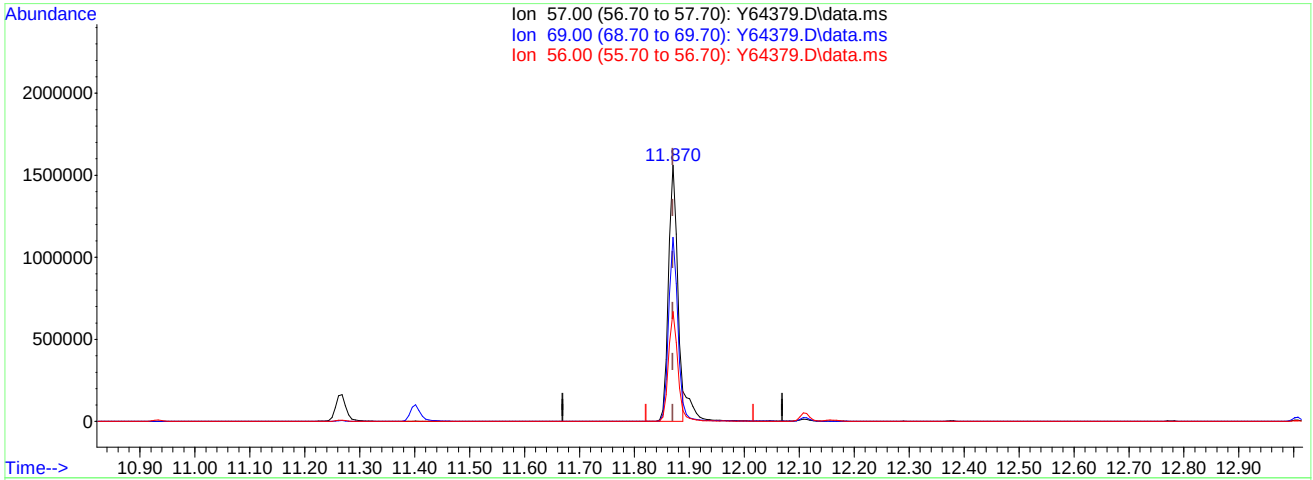
response 1997685

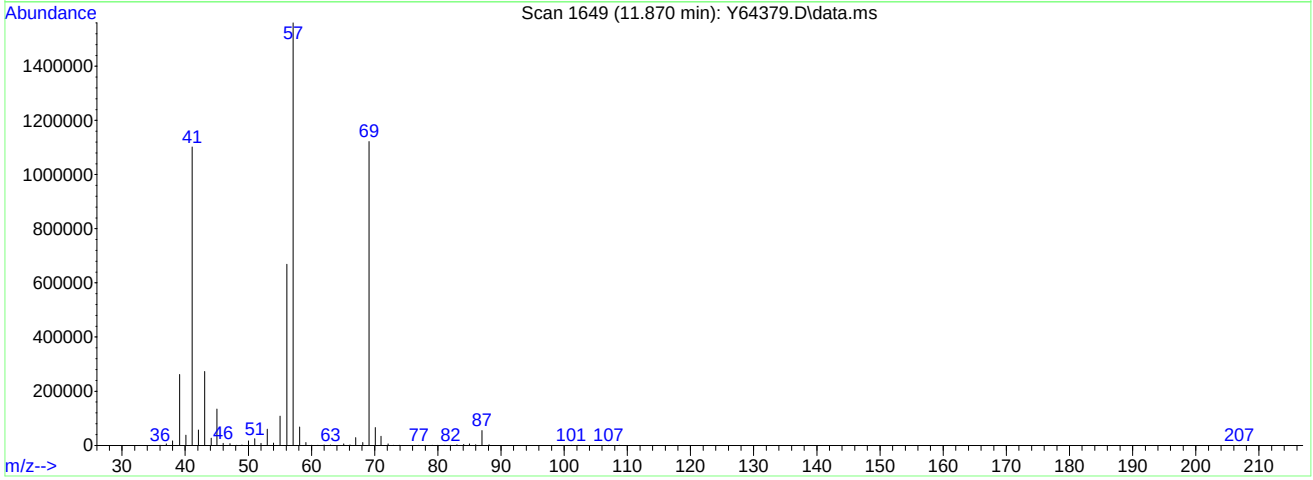
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	71.89
56.00	42.20	42.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64379.D
Acq On : 1 Sep 2022 11:32 am
Operator : joannel
Sample : BS Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 11:51:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64379.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (+0.001) 1125.13ug/L m

response 1795277

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	71.92
56.00	42.20	42.86
0.00	0.00	0.00

Manual Integrations APPROVED
(compounds with "m" flag)
Karen Watson
09/07/22 15:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1480345	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1223052	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	643207	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	410487	49.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.24%			
50) 1,2-Dichloroethane-d4	8.549	65	419103	48.75	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.50%			
63) Toluene-d8	10.426	98	1477826	48.20	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.40%			
86) 4-Bromofluorobenzene	13.206	174	505917	49.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.24%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	176850	33.48	ug/L	96
3) Chloromethane	3.202	50	170499	28.94	ug/L	97
4) 1,3-butadiene	3.379	39	138230	24.98	ug/L	95
5) Vinyl Chloride	3.349	62	193304	29.23	ug/L	98
6) Bromomethane	3.897	94	67626	20.53	ug/L	89
7) Chloroethane	4.105	64	124801	28.44	ug/L	96
8) Trichlorofluoromethane	4.330	101	291222	27.74	ug/L	98
9) Ethyl Ether	4.800	59	97610	20.90	ug/L	95
10) Ethanol	5.025	45	26096m	502.07	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.080	67	176633	29.26	ug/L	96
12) 1,1-Dichloroethene	5.086	61	209971	24.79	ug/L	98
13) Freon 113	5.147	101	144864	27.04	ug/L	98
14) Carbon Disulfide	5.129	76	297663	19.78	ug/L	99
15) Iodomethane	5.287	142	41017	13.96	ug/L	95
16) Acrolein	5.549	56	117405	102.84	ug/L	100
17) Allyl chloride	5.726	41	176145	25.35	ug/L	99
18) Methylene Chloride	5.866	49	209614	26.52	ug/L	97
19) Acetone	5.927	43	217421	128.31	ug/L	98
20) Methyl acetate	6.080	43	517265	117.51	ug/L	98
21) trans-1,2-Dichloroethene	6.080	61	199657	23.64	ug/L	97
22) Hexane	6.165	56	97385m	29.15	ug/L	
23) Methyl Tert Butyl Ether	6.202	73	391996	26.64	ug/L	96
24) Tert Butyl Alcohol	6.299	59	117606	217.97	ug/L	89
25) Acetonitrile	6.513	41	157947m	214.53	ug/L	
26) Di-isopropyl ether	6.653	45	406521	23.52	ug/L	99
27) Chloroprene	6.805	53	194419	113.44	ug/L	99
28) 1,1-Dichloroethane	6.836	63	263048	25.22	ug/L	100
29) Acrylonitrile	6.891	52	224937	120.23	ug/L	100
30) ETBE	7.086	59	362195	21.61	ug/L	98
31) Vinyl acetate	7.110	43	1436633	124.97	ug/L	100
32) cis-1,2-Dichloroethene	7.470	96	148658	24.94	ug/L	99
33) 2,2-Dichloropropane	7.592	77	184127	22.51	ug/L	97
34) Bromochloromethane	7.695	128	79595	23.96	ug/L	98
35) Cyclohexane	7.707	56	234449	25.69	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	260963	23.62	ug/L	98
37) Ethyl acetate	7.872	43	686471	122.01	ug/L	98
38) Tetrahydrofuran	7.957	42	42225	23.94	ug/L	99
40) Carbon Tetrachloride	7.939	117	214625	25.28	ug/L	98
41) 1,1,1-Trichloroethane	8.006	97	244755	25.05	ug/L	99
42) 2-Butanone	8.098	43	333748	118.97	ug/L	98
43) 1,1-Dichloropropene	8.140	75	197990	24.56	ug/L	97
44) tert-Butyl formate	8.244	59	370348	95.31	ug/L	95
45) Propionitrile	8.421	54	196349	215.36	ug/L	98
46) Methacrylonitrile	8.445	41	965687	226.21	ug/L	99
47) Benzene	8.409	78	553804	23.75	ug/L	98
48) TAME	8.494	73	449463	31.96	ug/L	98
49) Isobutyl alcohol	8.567	43	83755	451.26	ug/L	97
51) 1,2-Dichloroethane	8.622	62	207493	22.94	ug/L	98
52) Tert Amyl Alcohol	8.677	59	80310	221.72	ug/L	95
53) Trichloroethene	9.012	95	158371	25.49	ug/L	96
54) Methylcyclohexane	9.012	83	213431	29.43	ug/L	99
55) Dibromomethane	9.463	93	89843	22.68	ug/L	95
56) 1,2-Dichloropropane	9.555	63	134077	23.12	ug/L	98
57) Bromodichloromethane	9.603	83	175931	23.86	ug/L	97
58) Methyl methacrylate	9.725	41	100256	21.43	ug/L	99
59) 1,4-Dioxane	9.811	88	27154	537.72	ug/L	93
60) 2-Chloroethyl vinyl ether	10.146	63	466918	121.13	ug/L	99
61) cis-1,3-Dichloropropene	10.244	75	187995	22.76	ug/L	99
64) Toluene	10.481	91	603763	22.89	ug/L	98
65) 2-Nitropropane	10.713	41	164828	105.02	ug/L	96
66) 4-Methyl-2-pentanone	10.829	43	687846	110.41	ug/L	100
67) trans-1,3-Dichloropropene	10.884	75	185324	24.40	ug/L	98
68) Tetrachloroethene	10.884	166	191185	24.33	ug/L	95
69) Ethyl methacrylate	10.993	69	141901	20.14	ug/L	95
70) 1,1,2-Trichloroethane	11.048	83	105529	22.15	ug/L	96
71) Dibromochloromethane	11.243	129	141278	21.50	ug/L	98
72) 1,3-Dichloropropane	11.335	76	201656	20.44	ug/L	99
73) 1,2-Dibromoethane	11.506	107	134766	22.05	ug/L	99
74) 3,3-dimethyl-1-butanol	11.597	57	499832	1208.99	ug/L	99
75) 2-hexanone	11.652	43	478690	113.93	ug/L	99
76) 1-Chlorohexane	11.944	91	186282m	25.80	ug/L	
77) Ethylbenzene	12.005	91	697243	23.05	ug/L	99
78) Chlorobenzene	12.012	112	411094	22.83	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	143056	22.93	ug/L	99
80) m,p-Xylene	12.146	91	1055176	46.22	ug/L	98
81) o-Xylene	12.591	91	509961	23.12	ug/L	97
82) Styrene	12.639	104	355605	23.01	ug/L	98
83) Bromoform	12.700	173	86433	21.90	ug/L	98
84) Isopropylbenzene	12.889	105	644740	24.02	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	42792	19.96	ug/L	87
88) n-Propylbenzene	13.310	91	739773	23.18	ug/L	99
89) Bromobenzene	13.334	156	169772	20.90	ug/L	98
90) 1,1,2,2-Tetrachloroethane	13.377	83	177193	22.18	ug/L	98
91) 1,3,5-Trimethylbenzene	13.493	105	514973	22.61	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

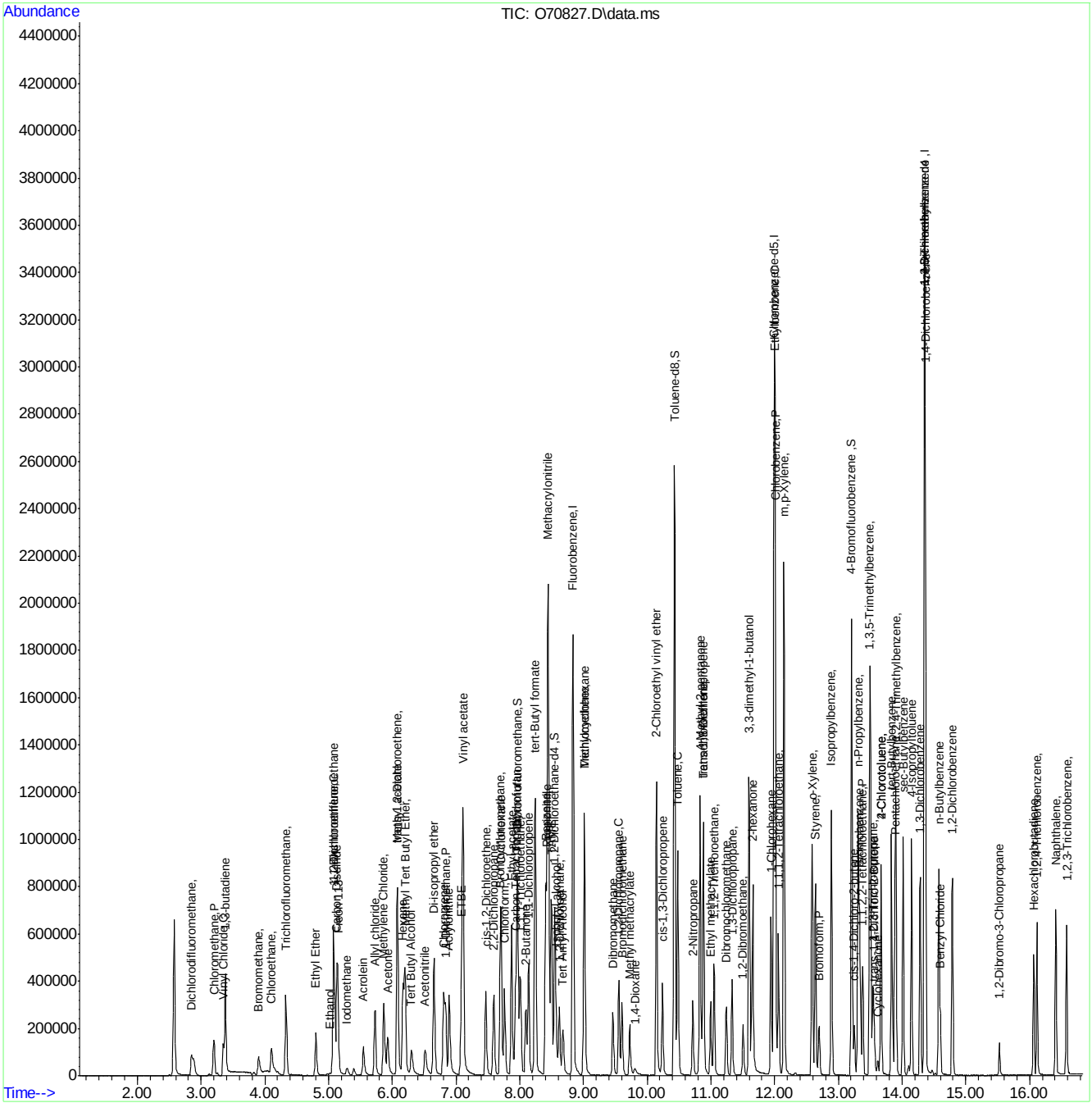
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	13.670	91	446216	22.60	ug/L		98
93)	trans-1,4-Dichloro-2-B...	13.566	53	34354	16.85	ug/L	#	72
94)	1,2,3-Trichloropropane	13.542	110	52625	20.61	ug/L		95
95)	Cyclohexanone	13.621	55	23964	126.44	ug/L		94
96)	4-Chlorotoluene	13.670	91	446216	22.60	ug/L		98
97)	tert-Butylbenzene	13.834	91	282765	23.12	ug/L		100
99)	1,2,4-Trimethylbenzene	13.901	105	513656	23.27	ug/L		99
100)	Pentachloroethane	13.889	167	91011	21.91	ug/L		96
101)	sec-Butylbenzene	14.017	105	610085	25.01	ug/L		100
102)	4-Isopropyltoluene	14.151	119	521465	24.39	ug/L		100
103)	1,3-Dichlorobenzene	14.285	146	321312	22.74	ug/L		99
104)	1,2,3-Trimethylbenzene	14.359	105	544305	23.26	ug/L		99
105)	1,4-Dichlorobenzene	14.365	146	340989	23.62	ug/L		96
106)	n-Butylbenzene	14.578	92	233587	22.02	ug/L		99
107)	Benzyl Chloride	14.602	126	31811	14.38	ug/L	#	90
108)	1,2-Dichlorobenzene	14.791	146	301488	22.42	ug/L		99
109)	1,2-Dibromo-3-Chloropr...	15.529	75	24636	19.49	ug/L		93
110)	Hexachlorobutadiene	16.066	225	72182	23.51	ug/L		98
111)	1,2,4-Trichlorobenzene	16.120	180	172030	21.23	ug/L		99
112)	Naphthalene	16.413	128	452514	21.82	ug/L		99
113)	1,2,3-Trichlorobenzene	16.584	180	170153	21.31	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

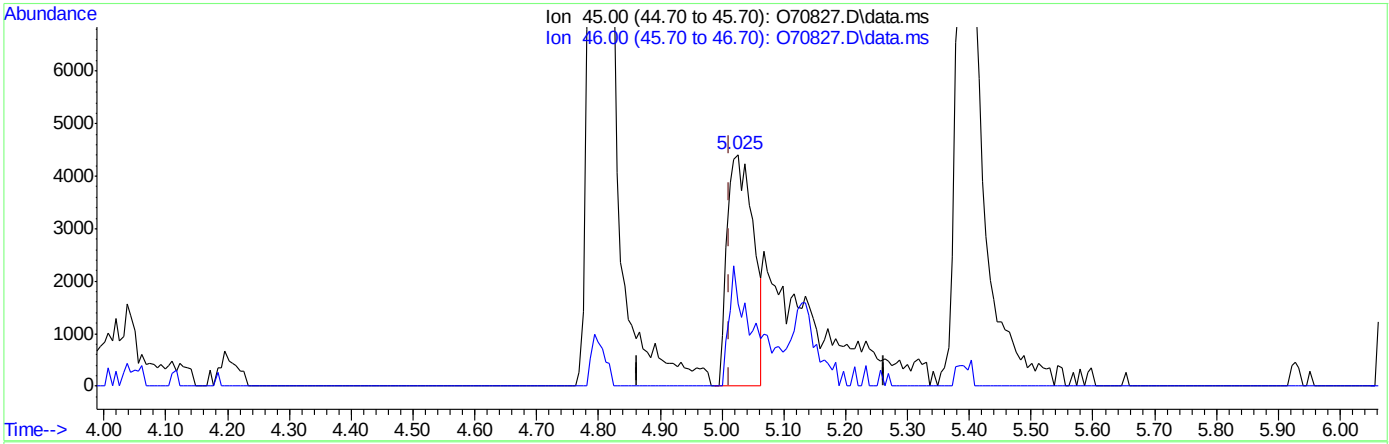
Sample Number: VO2809-BS
Lab FileID: O70827.D
Injection Time: 09/02/22 12:47
Method: SW846 8260D
Analyst approved: 09/02/22 13:05 Jo-Ann Lugo De Jesus
Supervisor approved: 09/07/22 15:45 Karen Watson

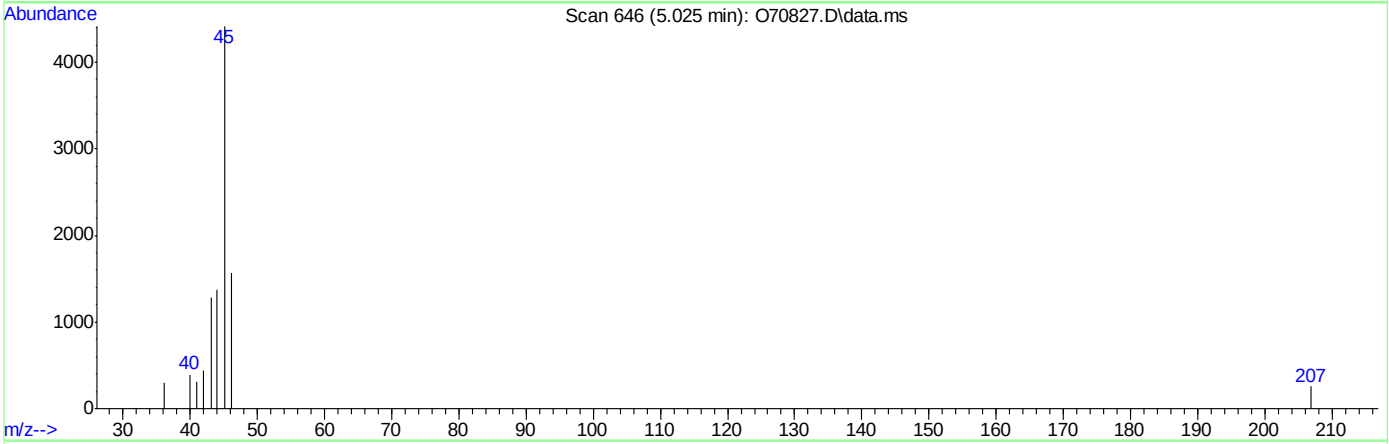
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.03	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:15 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70827.D\data.ms

(10) Ethanol

5.025min (+0.012) 251.50ug/L

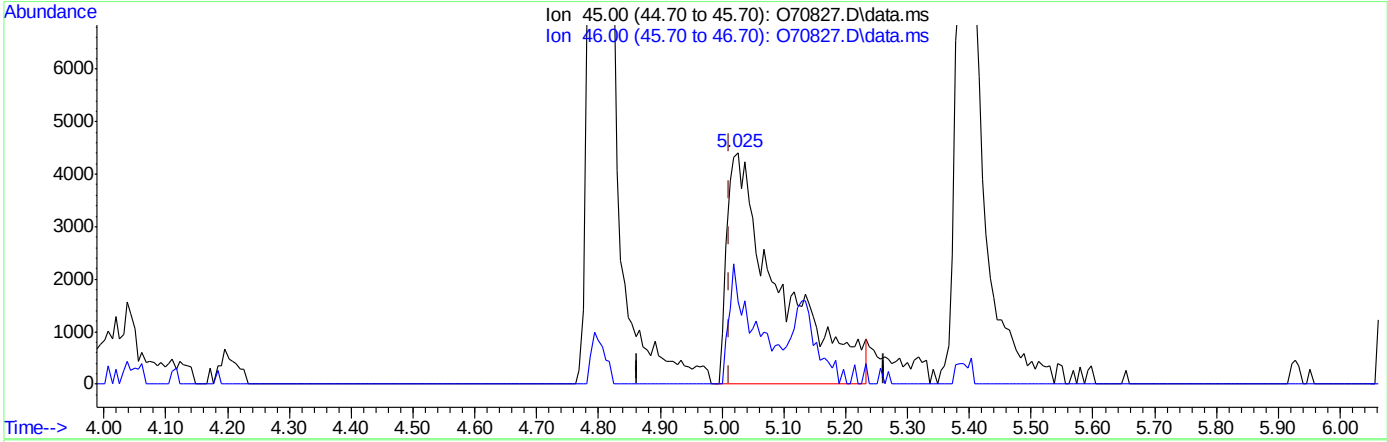
response 12920

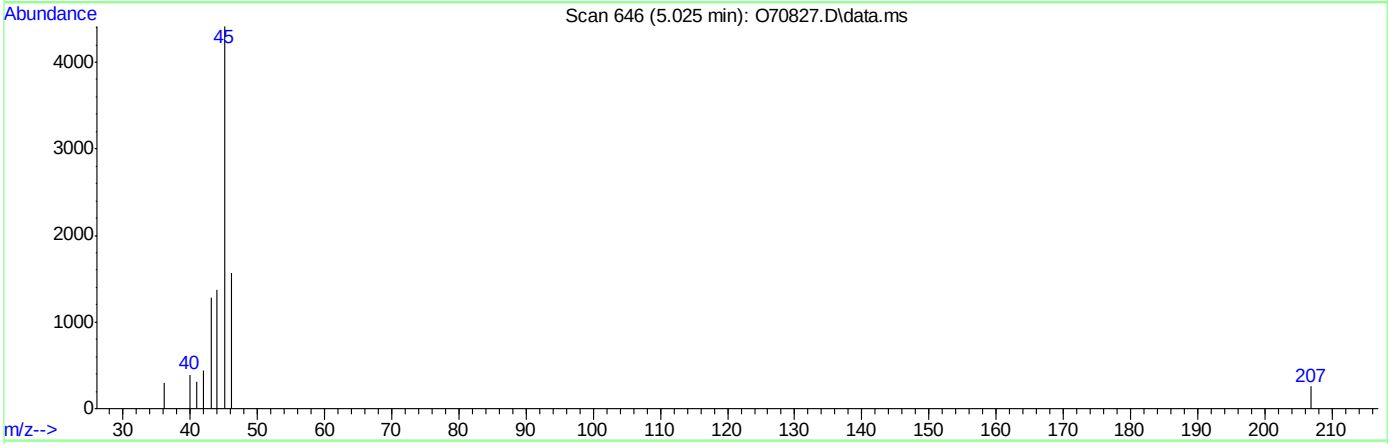
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	35.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:15 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70827.D\data.ms

(10) Ethanol

5.025min (+0.012) 502.07ug/L m

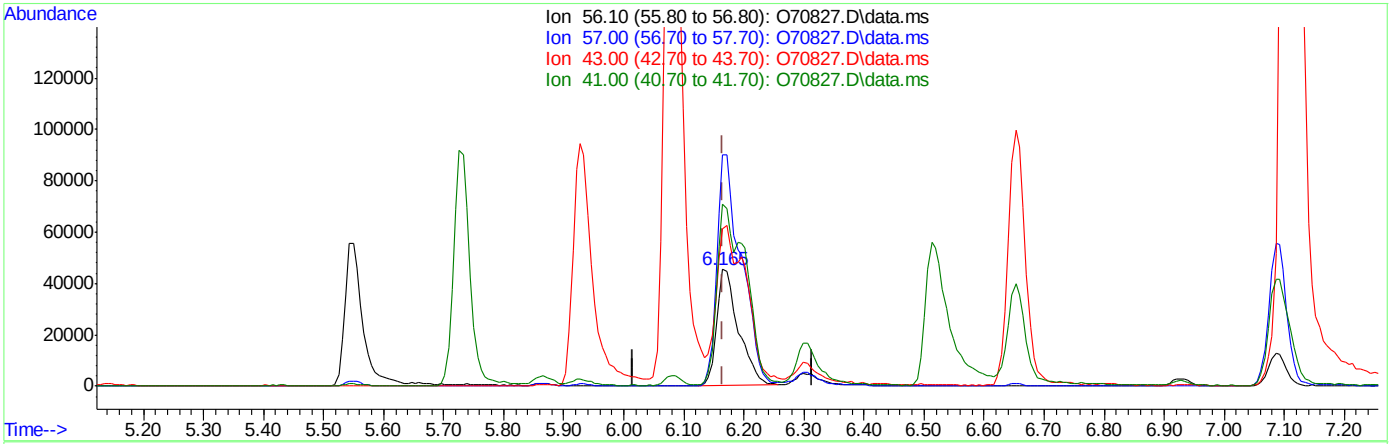
response 26096

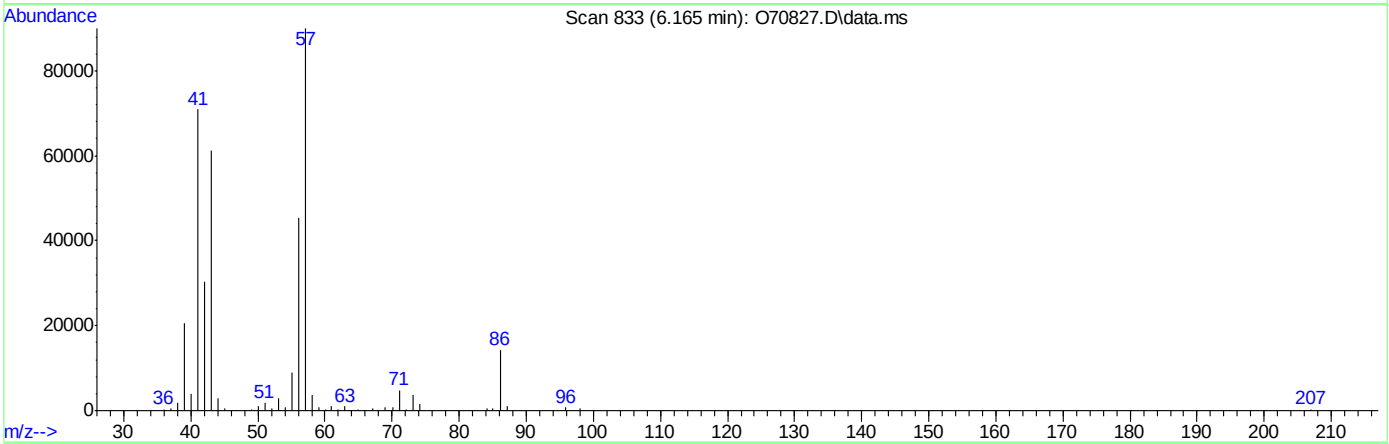
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	35.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:15 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70827.D\data.ms

(22) Hexane

6.165min (+0.000) 33.77ug/L

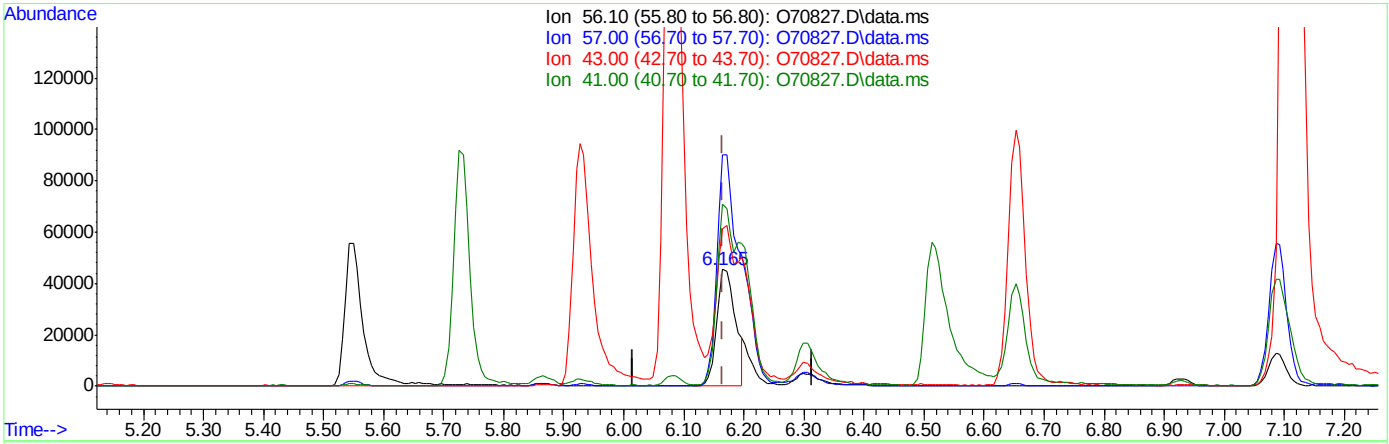
response 113464

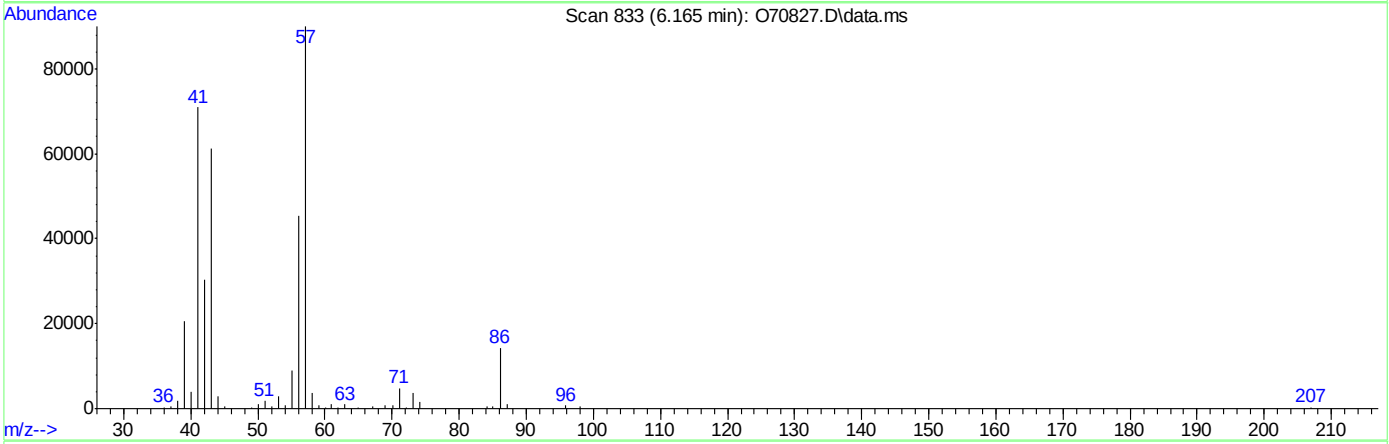
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	198.05
43.00	133.10	127.55
41.00	145.50	154.92

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:15 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70827.D\data.ms

(22) Hexane

6.165min (+0.000) 29.15ug/L m

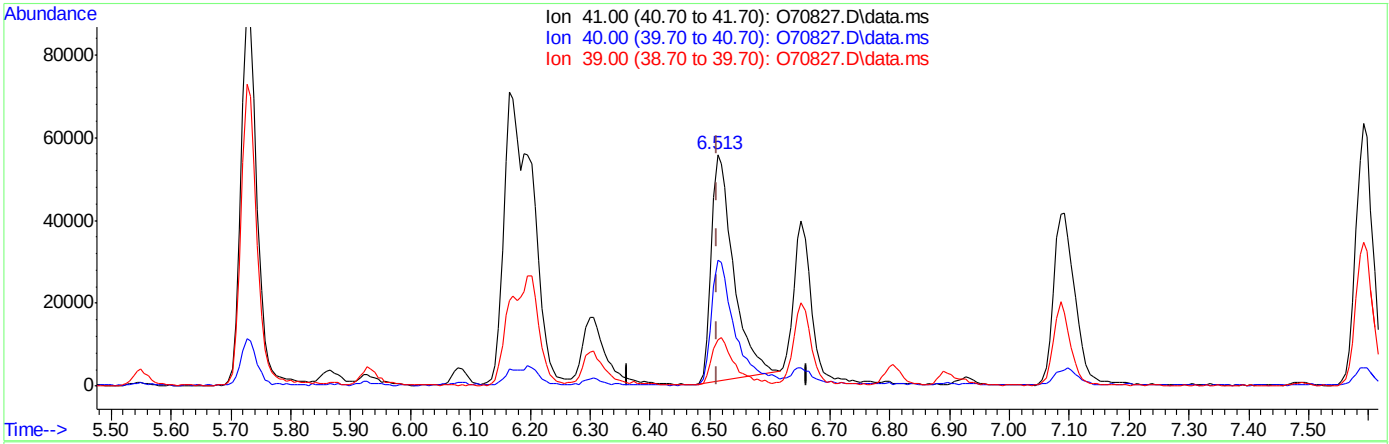
response 97385

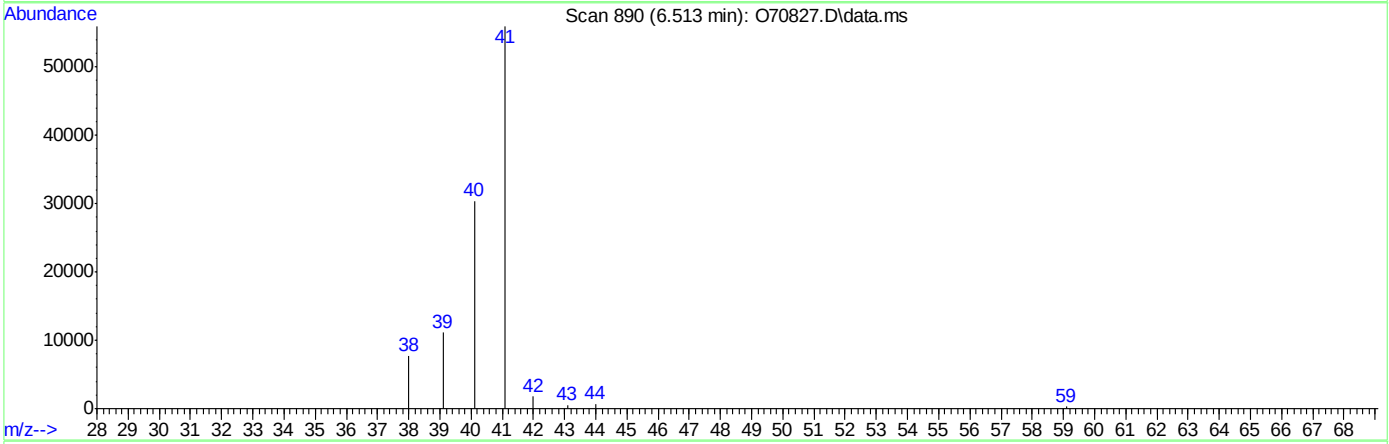
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	198.05
43.00	133.10	134.64
41.00	145.50	156.07

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:15 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70827.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 191.71ug/L

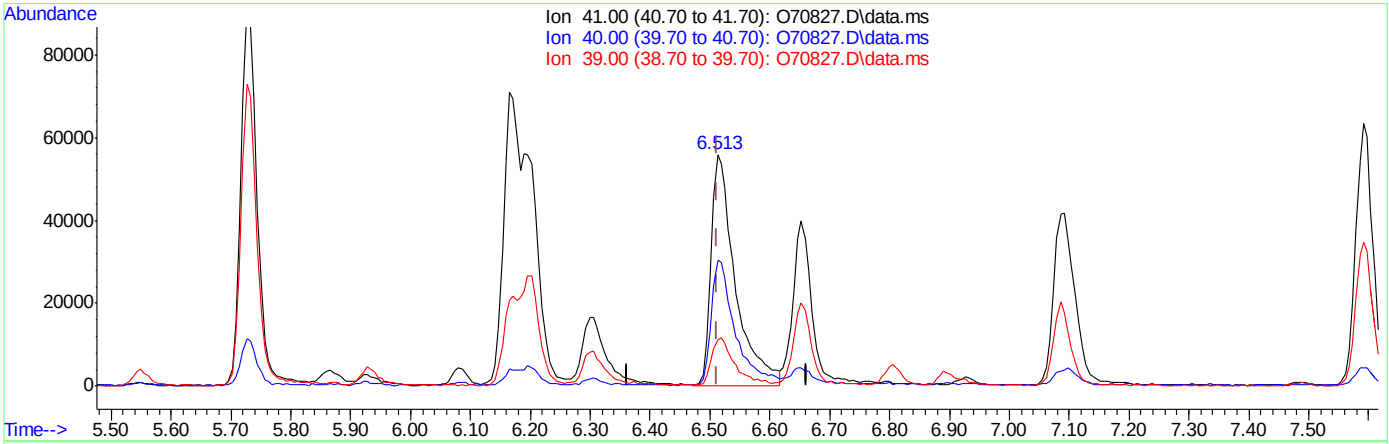
response 141120

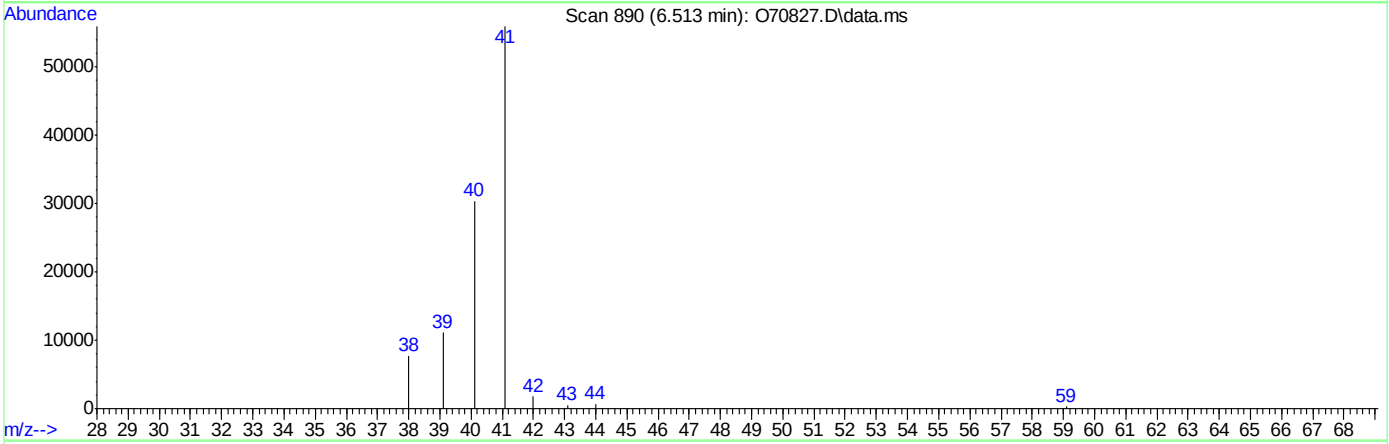
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	53.92
39.00	20.00	19.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:15 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70827.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 214.53ug/L m

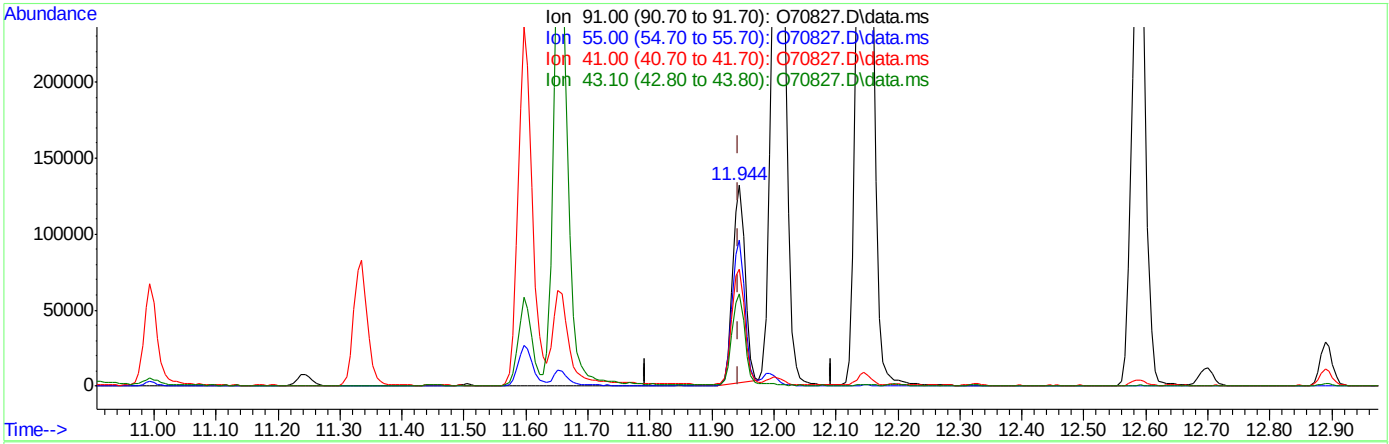
response 157947

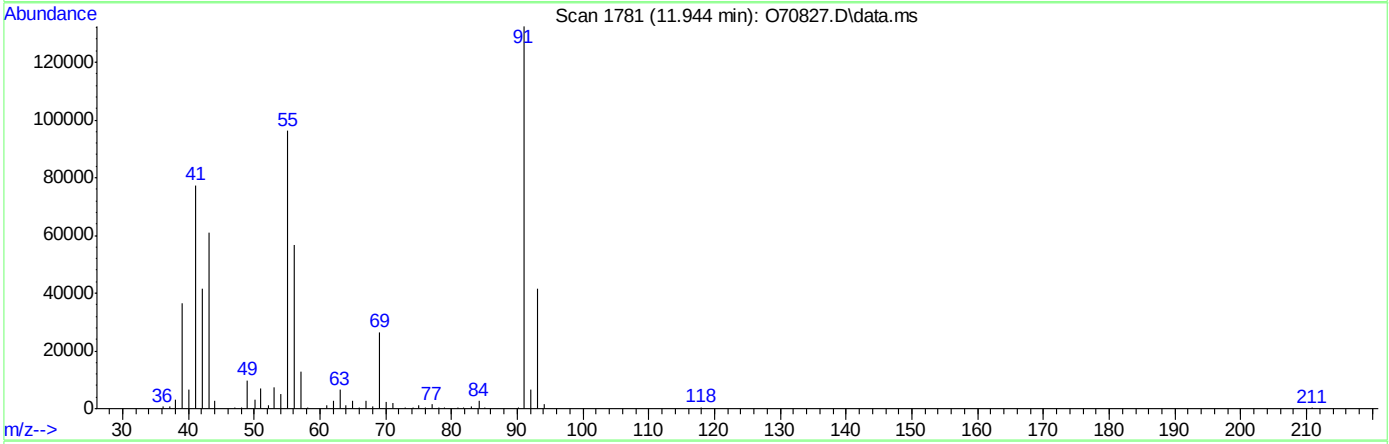
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.28
39.00	20.00	19.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:15 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70827.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 24.80ug/L

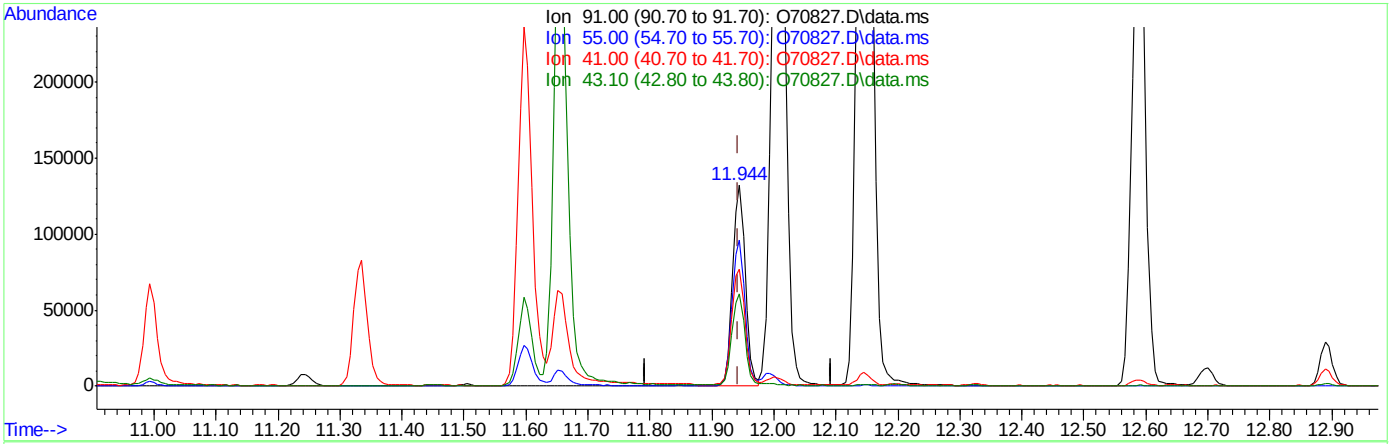
response 179033

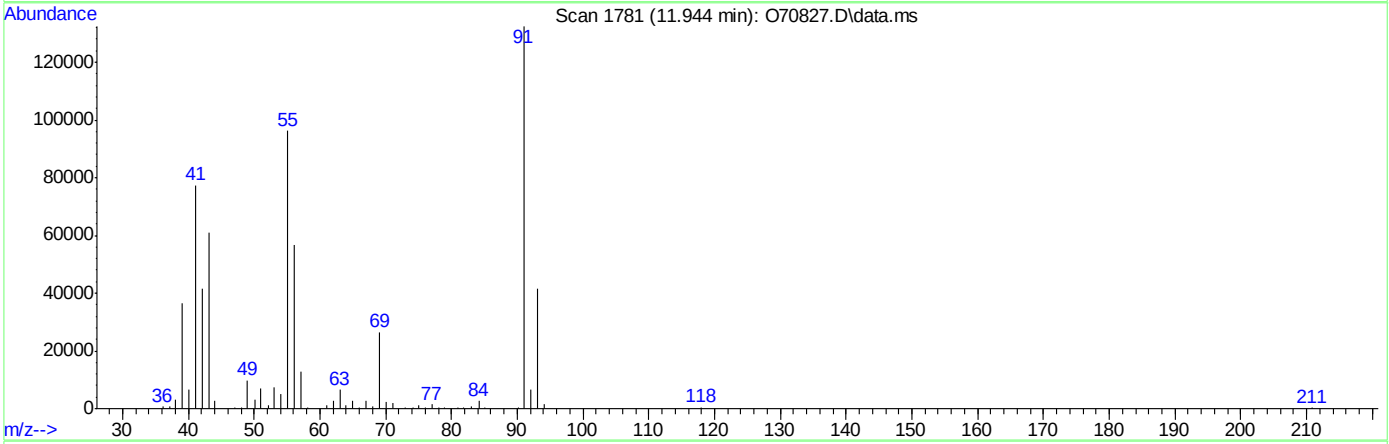
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	72.25
41.00	54.70	57.22
43.10	44.50	45.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70827.D
Acq On : 2 Sep 2022 12:47 pm
Operator : joannel
Sample : BS Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 13:05:15 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70827.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 25.80ug/L m

response 186282

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	72.65
41.00	54.70	58.37
43.10	44.50	46.02

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/14/22 15:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92897.D
Acq On : 13 Sep 2022 11:36 am
Operator : lindsayr
Sample : BS Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 05:52:43 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.717	96	1526383	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.641	117	1058260	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.335	152	479668	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.262	113	325616	50.02	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.04%			
49) 1,2-Dichloroethane-d4	3.550	65	449387	49.37	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.74%			
63) Toluene-d8	4.648	98	1462309	49.19	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.38%			
86) 4-Bromofluorobenzene	6.493	174	371630	48.63	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.26%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.134	85	106257	30.5278	ug/L	98
3) Chloromethane	1.249	50	112074	26.5093	ug/L	95
4) 1,3-butadiene	1.307	39	146365	33.5610	ug/L	98
5) Vinyl Chloride	1.296	62	147432	27.3237	ug/L	98
6) Bromomethane	1.500	94	29232	9.6698	ug/L	96
7) Chloroethane	1.574	64	42073	21.9526	ug/L	98
8) Trichlorofluoromethane	1.668	101	172072	25.0961	ug/L	97
9) Ethyl Ether	1.872	59	136127	23.9993	ug/L	95
10) Ethanol	1.950	45	58744m	443.2480	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.971	67	146550	27.1627	ug/L	98
12) 1,1-Dichloroethene	1.976	61	198754	26.5832	ug/L	99
13) Freon 113	2.007	101	129817	27.9083	ug/L	97
14) Carbon Disulfide	1.992	76	278923	22.4734	ug/L	97
15) Iodomethane	2.055	142	36783	15.1937	ug/L	95
16) Acrolein	2.149	56	180038	97.3465	ug/L	99
17) Allyl chloride	2.243	41	149249	25.8344	ug/L	96
18) Methylene Chloride	2.295	49	154788	20.0182	ug/L	98
19) Acetone	2.311	43	356694	102.8297	ug/L	99
20) Methyl acetate	2.394	43	907606	123.8049	ug/L	99
21) trans-1,2-Dichloroethene	2.394	61	193141	24.9958	ug/L	95
22) Hexane	2.462	56	112052	28.1310	ug/L	98
23) Methyl Tert Butyl Ether	2.468	73	444706	24.3180	ug/L	96
24) Tert Butyl Alcohol	2.504	59	446134	233.4647	ug/L	97
25) Acetonitrile	2.546	41	205750	193.7418	ug/L	98
26) Di-isopropyl ether	2.682	45	405729	25.1743	ug/L	98
27) Chloroprene	2.724	53	662964	30.1917	ug/L	91
28) 1,1-Dichloroethane	2.724	63	262976	26.2556	ug/L	98
29) Acrylonitrile	2.724	52	424225	123.3209	ug/L #	76
30) ETBE	2.881	59	444705	23.4162	ug/L	98
31) Vinyl acetate	2.860	43	1445475	111.0254	ug/L	98
32) cis-1,2-Dichloroethene	3.016	96	151605	25.2155	ug/L	97
33) 2,2-Dichloropropane	3.084	77	186587	23.4564	ug/L	98
34) Bromochloromethane	3.126	128	62786	23.9822	ug/L	92
35) Cyclohexane	3.163	56	257875	28.1345	ug/L	99
36) Chloroform	3.163	83	254275	25.1851	ug/L	99
37) Ethyl acetate	3.226	43	1092325	112.5786	ug/L	98
38) Tetrahydrofuran	3.257	42	84333	22.1473	ug/L	100
40) Carbon Tetrachloride	3.267	117	167044m	26.2134	ug/L	
41) 1,1,1-Trichloroethane	3.294	97	222605	26.0545	ug/L	98
42) 2-Butanone	3.314	43	630189	104.7444	ug/L	97
43) 1,1-Dichloropropene	3.362	75	194449	25.7255	ug/L	97
44) tert-Butyl formate	3.409	59	459321	107.0477	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92897.D
Acq On : 13 Sep 2022 11:36 am
Operator : lindsayr
Sample : BS Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 05:52:43 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.456	54	392654	221.0258	ug/L		98
46)	Methacrylonitrile	3.482	41	1139129	223.2726	ug/L		100
47)	Benzene	3.492	78	598290	24.9321	ug/L		85
48)	TAME	3.565	73	436366	24.0638	ug/L		98
50)	Isobutyl alcohol	3.581	43	433088m	473.0695	ug/L		
51)	1,2-Dichloroethane	3.586	62	196543	22.7355	ug/L		98
52)	Tert Amyl Alcohol	3.644	59	375415	240.6005	ug/L		98
53)	Trichloroethene	3.822	95	152062	25.4272	ug/L		92
54)	Methylcyclohexane	3.842	83	245068	29.1283	ug/L		98
55)	Dibromomethane	4.052	93	81957	24.4791	ug/L		94
56)	1,2-Dichloropropane	4.109	63	139712	23.9038	ug/L		97
57)	Bromodichloromethane	4.146	83	155062	23.9222	ug/L		96
58)	Methyl methacrylate	4.235	41	145371	23.0439	ug/L		95
59)	1,4-Dioxane	4.255	88	67904	448.6167	ug/L		98
60)	2-Chloroethyl vinyl ether	4.475	63	624758	128.0807	ug/L		99
61)	cis-1,3-Dichloropropene	4.522	75	196548	23.6335	ug/L		94
64)	Toluene	4.679	91	641031	24.4597	ug/L		100
65)	2-Nitropropane	4.778	41	204510	100.3135	ug/L		99
66)	4-Methyl-2-pentanone	4.888	43	1117967	111.8746	ug/L		98
67)	trans-1,3-Dichloropropene	4.919	75	190216	23.7309	ug/L		100
68)	Tetrachloroethene	4.935	166	145888	26.1886	ug/L		97
69)	Ethyl methacrylate	5.029	69	208821	21.4742	ug/L		97
70)	1,1,2-Trichloroethane	5.019	83	107754	24.4051	ug/L		98
71)	Dibromochloromethane	5.144	129	107255	22.7298	ug/L		99
72)	1,3-Dichloropropane	5.197	76	220339	22.2534	ug/L		96
73)	1,2-Dibromoethane	5.296	107	128612	23.7654	ug/L		97
74)	3,3-dimethyl-1-butanol	5.416	57	2179561	1086.4008	ug/L		100
75)	2-hexanone	5.432	43	1196710	112.7232	ug/L		85
76)	1-Chlorohexane	5.651	91	199790m	23.5782	ug/L		
77)	Ethylbenzene	5.683	91	698361	24.7974	ug/L		100
78)	Chlorobenzene	5.657	112	378700	24.5286	ug/L		98
79)	1,1,1,2-Tetrachloroethane	5.698	131	117928	23.6850	ug/L		97
80)	m,p-Xylene	5.782	91	1069434	48.1946	ug/L		100
81)	o-Xylene	6.080	91	536945	24.5583	ug/L		99
82)	Styrene	6.111	104	411106	23.5795	ug/L		99
83)	Bromoform	6.117	173	55127	23.1689	ug/L		97
84)	Isopropylbenzene	6.310	105	632285	25.3826	ug/L		99
87)	cis-1,4-Dichloro-2-butene	6.524	53	50863	17.3917	ug/L	#	82
88)	n-Propylbenzene	6.608	91	748839	24.2822	ug/L		99
89)	Bromobenzene	6.572	156	142176	22.5781	ug/L		94
90)	1,1,2,2-Tetrachloroethane	6.629	83	189509	23.0405	ug/L		99
91)	1,3,5-Trimethylbenzene	6.760	105	503668	23.6709	ug/L		100
92)	2-Chlorotoluene	6.713	91	430393	23.3645	ug/L		99
93)	trans-1,4-Dichloro-2-B...	6.760	53	64618	18.1694	ug/L		97
94)	1,2,3-Trichloropropane	6.723	110	67040	21.9084	ug/L		95
95)	Cyclohexanone	6.744	55	62626	108.7702	ug/L		97
96)	4-Chlorotoluene	6.833	91	453999	23.5848	ug/L		98
97)	tert-Butylbenzene	6.995	91	278683	23.6565	ug/L		97
99)	1,2,4-Trimethylbenzene	7.047	105	500773	24.3562	ug/L		97
100)	Pentachloroethane	6.995	167	62478	22.5257	ug/L	#	79
101)	sec-Butylbenzene	7.131	105	592035	25.0810	ug/L		99
102)	4-Isopropyltoluene	7.246	119	516782	24.7456	ug/L		98
103)	1,3-Dichlorobenzene	7.277	146	266912	24.2238	ug/L		97
104)	1,2,3-Trimethylbenzene	7.371	105	509137	23.9037	ug/L		99
105)	1,4-Dichlorobenzene	7.345	146	269242	23.5203	ug/L		98
106)	n-Butylbenzene	7.560	92	231871	23.8216	ug/L		96
107)	Benzyl Chloride	7.523	126	42782	18.3400	ug/L		99
108)	1,2-Dichlorobenzene	7.648	146	246392	23.8568	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92897.D
Acq On : 13 Sep 2022 11:36 am
Operator : lindsayr
Sample : BS Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 05:52:43 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.203	75	36206	19.9528	ug/L	86
110) Hexachlorobutadiene	8.689	225	51628	25.1839	ug/L	95
111) 1,2,4-Trichlorobenzene	8.684	180	138213	24.1054	ug/L	95
112) Naphthalene	8.882	128	534492	22.8614	ug/L	100
113) 1,2,3-Trichlorobenzene	9.008	180	128847	23.8518	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

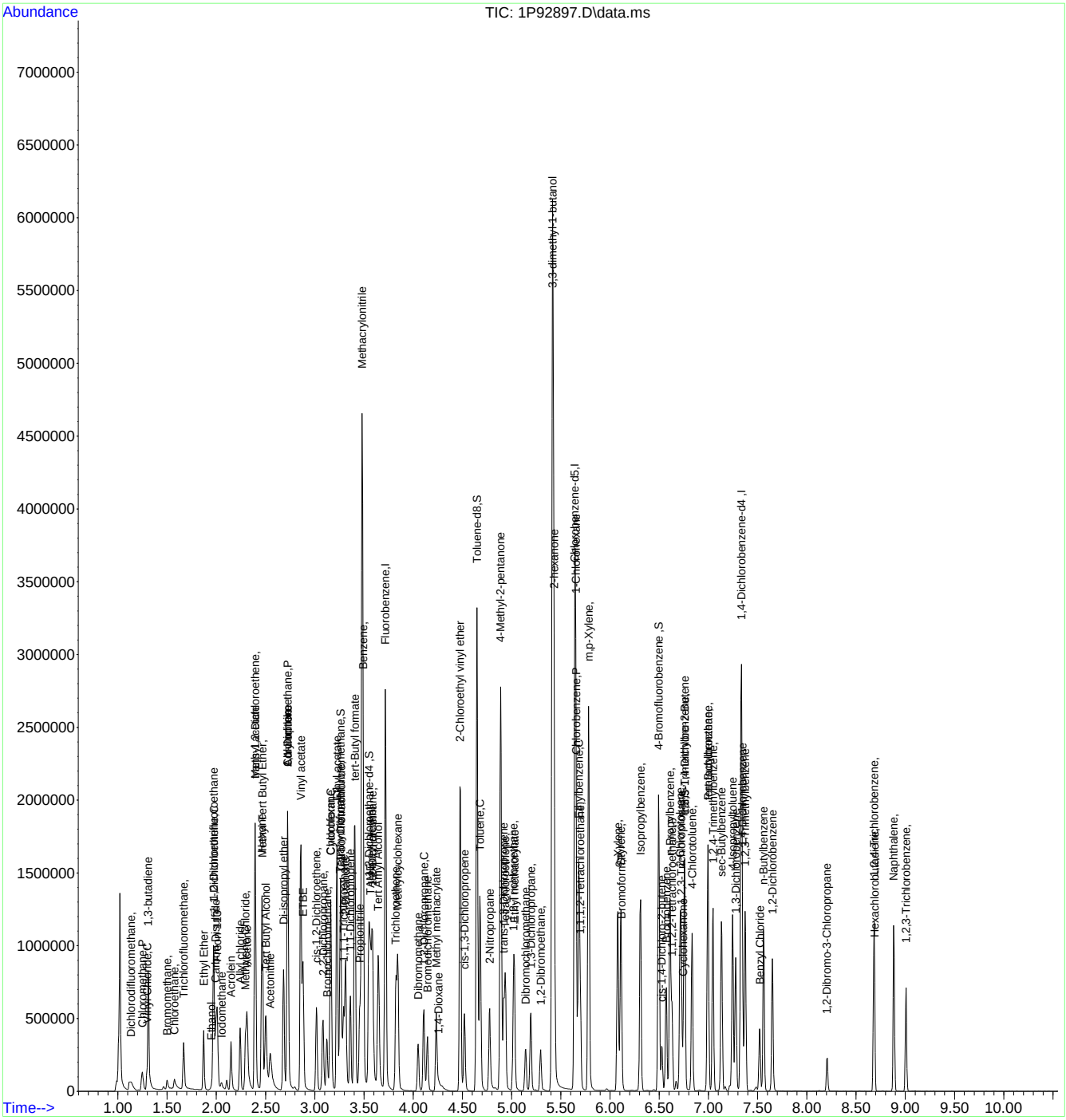
7.3.4

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92897.D
Acq On : 13 Sep 2022 11:36 am
Operator : lindsayr
Sample : BS Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 05:52:43 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration



Manual Integration Approval Summary

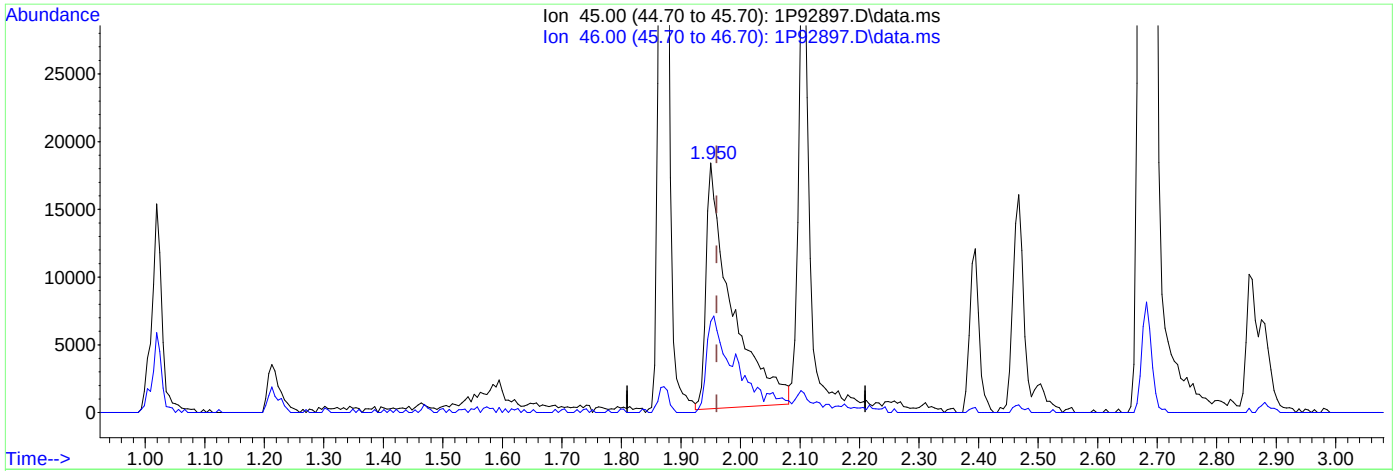
Sample Number: V1P3579-BS
Lab FileID: 1P92897.D
Injection Time: 09/13/22 11:36
Method: SW846 8260D
Analyst approved: 09/14/22 02:27 John Matthew de Guzman
Supervisor approved: 09/14/22 15:59 Karen Watson

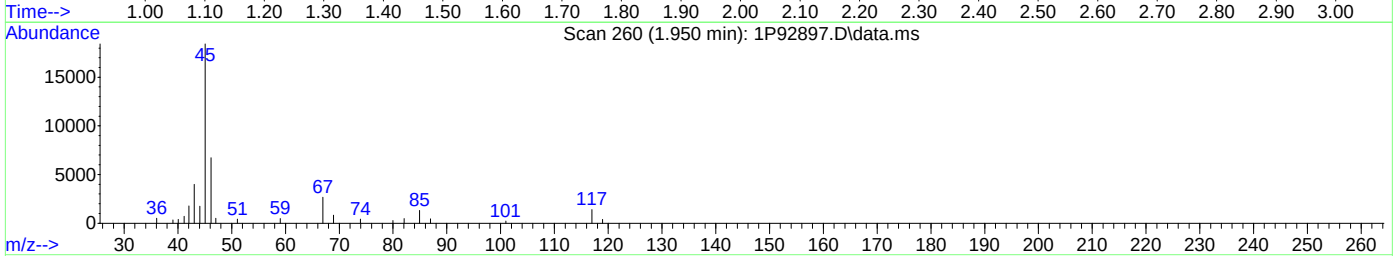
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.95	Poor instrument integration
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

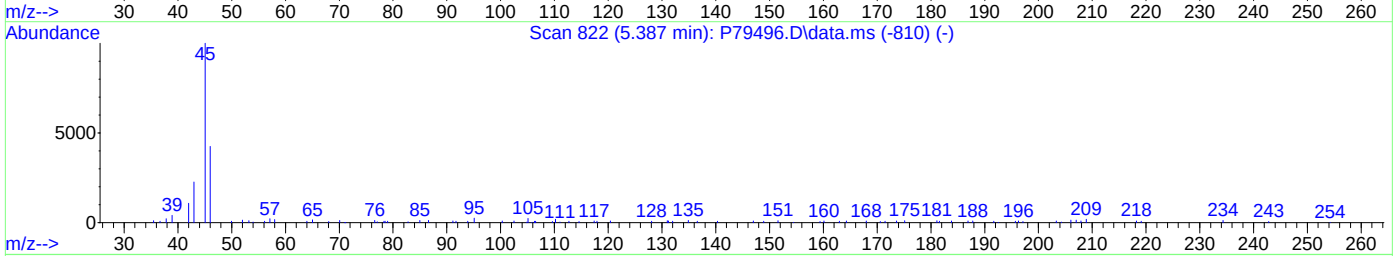
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92897.D
Acq On : 13 Sep 2022 11:36 am
Operator : lindsayr
Sample : BS Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 05:33:31 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92897.D\data.ms

(10) Ethanol

1.950min (-0.010) 407.94ug/L

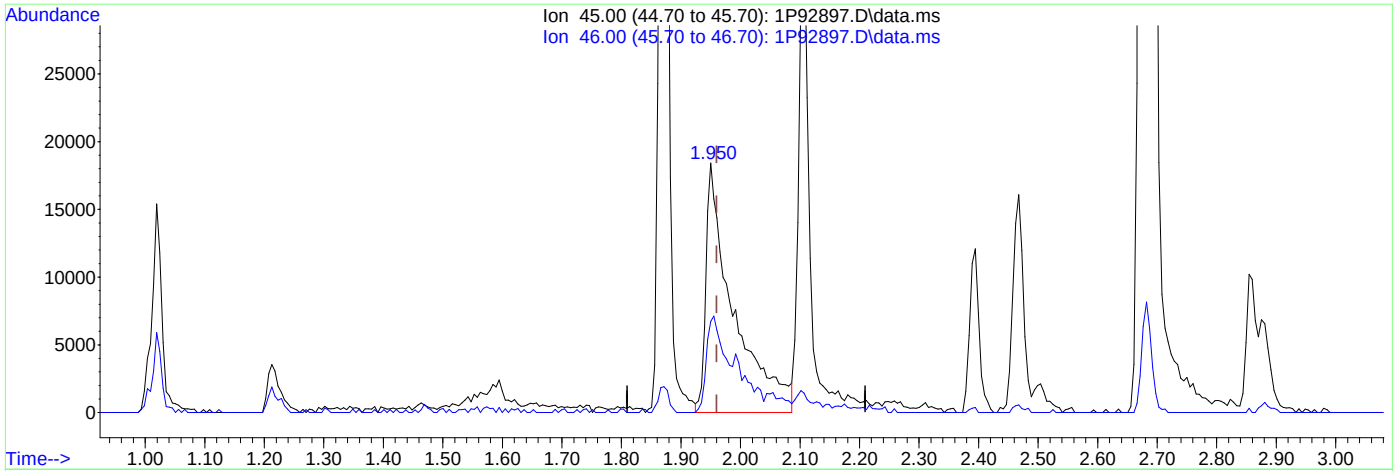
response 54065

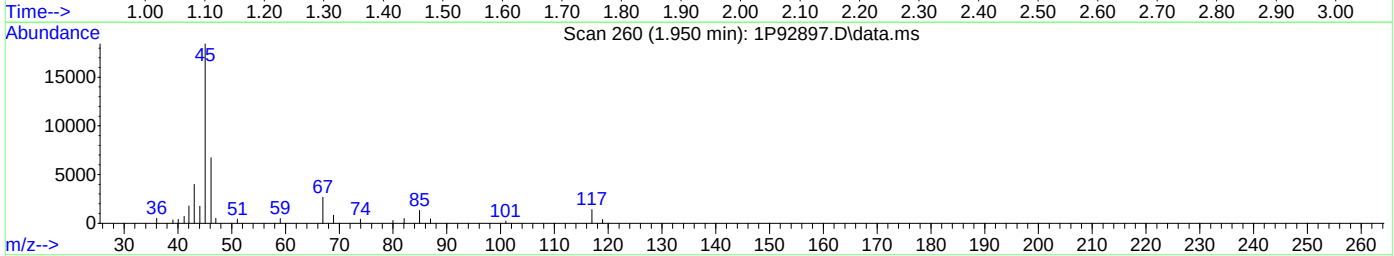
Ion	Exp%	Act%
45.00	100	100
46.00	41.40	37.87
0.00	0.00	0.00
0.00	0.00	0.00

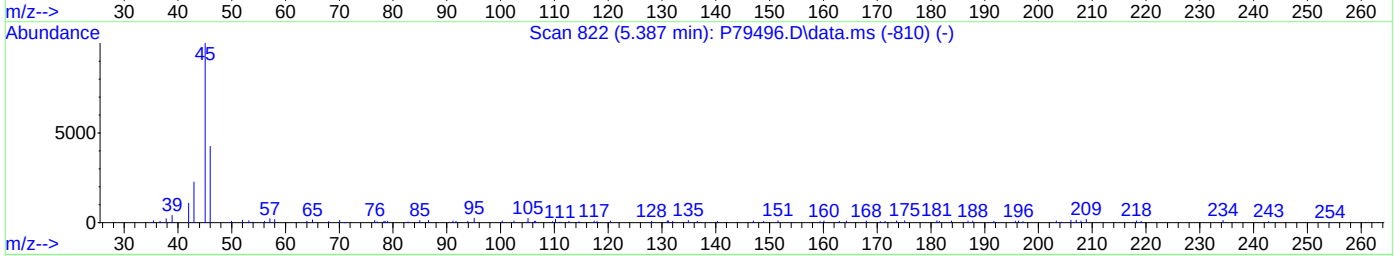
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92897.D
Acq On : 13 Sep 2022 11:36 am
Operator : lindsayr
Sample : BS Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 05:33:31 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92897.D\data.ms

(10) Ethanol

1.950min (-0.010) 443.25ug/L m

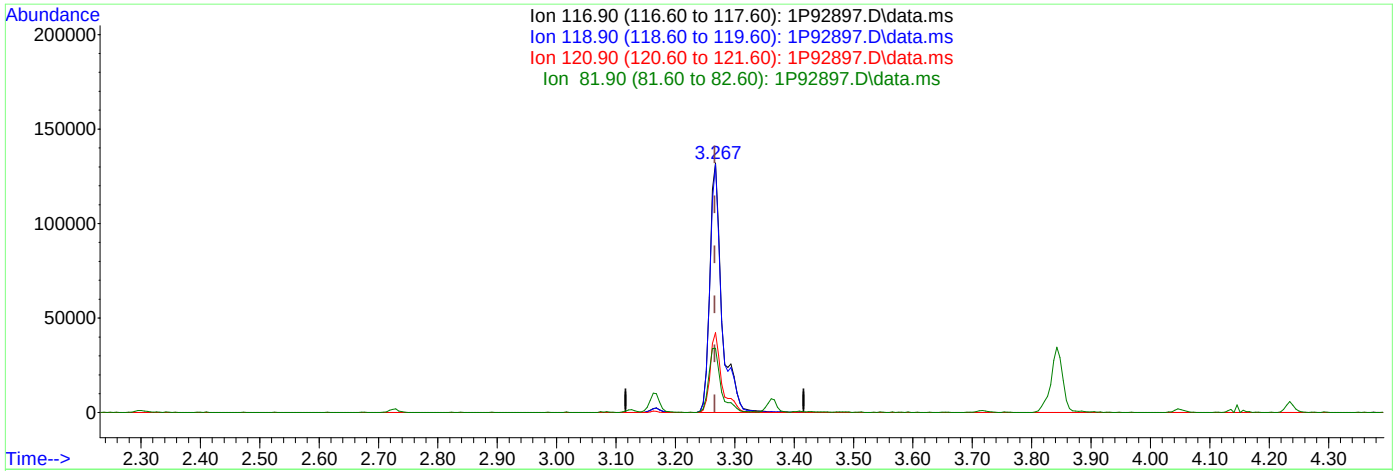
response 58744

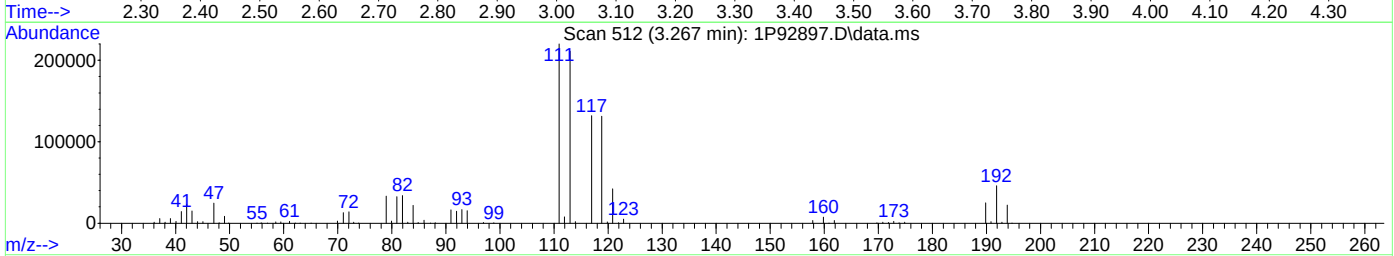
Ion	Exp%	Act%
45.00	100	100
46.00	41.40	36.53
0.00	0.00	0.00
0.00	0.00	0.00

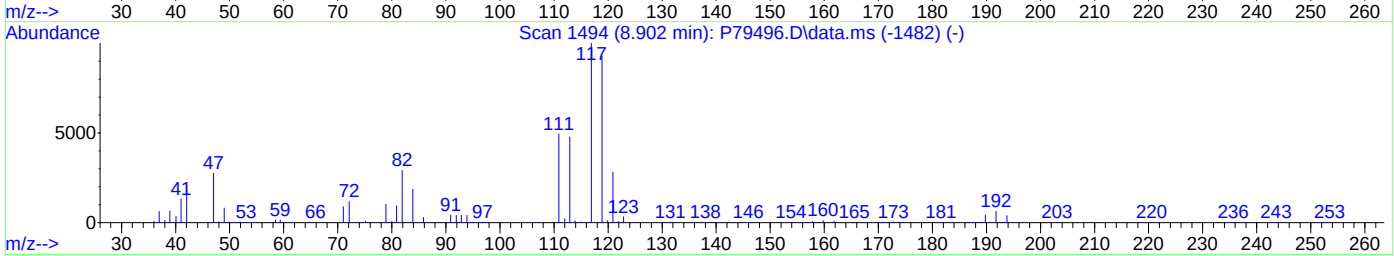
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92897.D
Acq On : 13 Sep 2022 11:36 am
Operator : lindsayr
Sample : BS Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 05:33:31 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92897.D\data.ms

(40) Carbon Tetrachloride ( )

3.267min (+0.001) 29.58ug/L

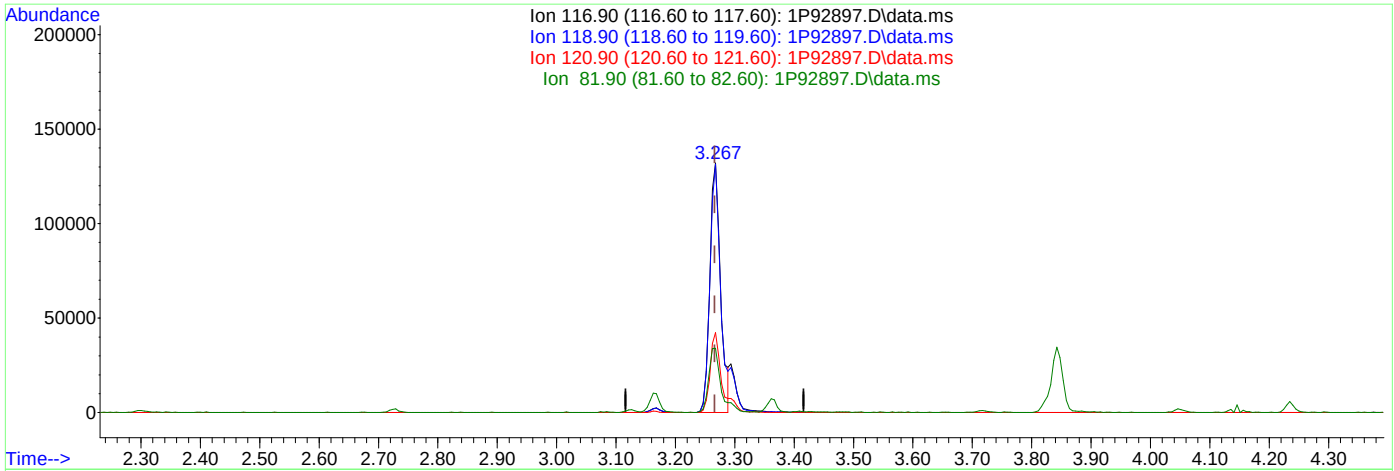
response 189389

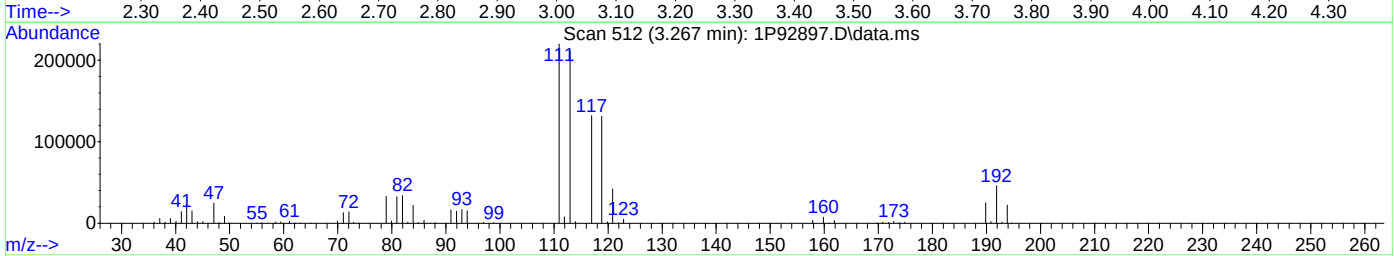
Ion	Exp%	Act%
116.90	100	100
118.90	93.30	99.52
120.90	30.70	32.00
81.90	26.50	25.75

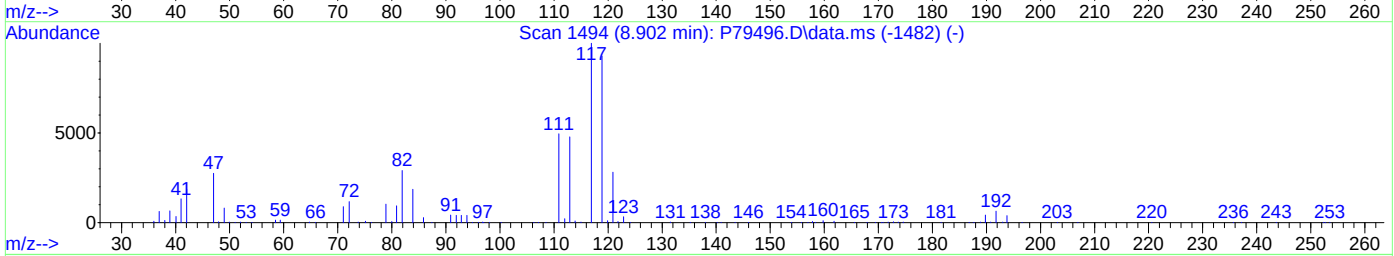
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92897.D
Acq On : 13 Sep 2022 11:36 am
Operator : lindsayr
Sample : BS Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 05:33:31 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92897.D\data.ms

(40) Carbon Tetrachloride ( )

3.267min (+0.001) 26.21ug/L m

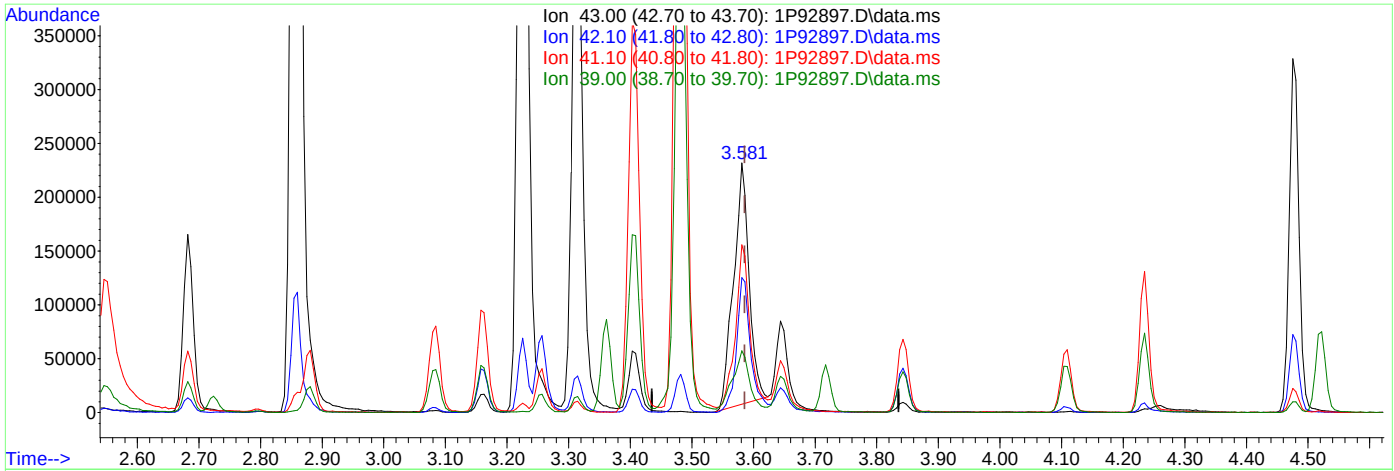
response 167044

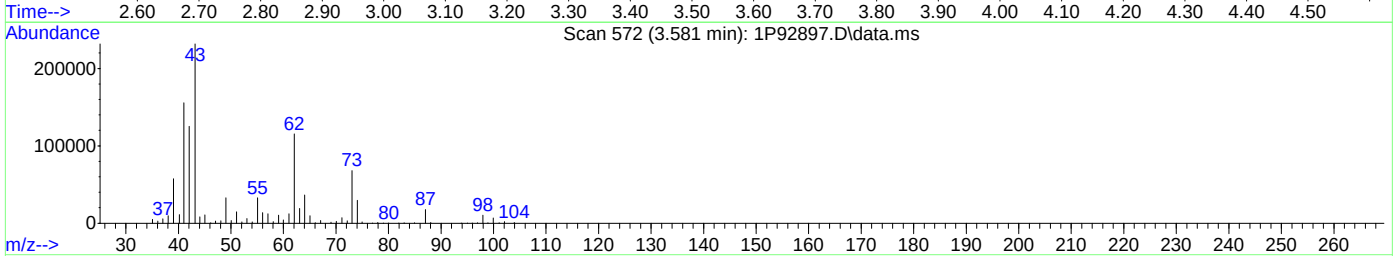
Ion	Exp%	Act%
116.90	100	100
118.90	93.30	99.52
120.90	30.70	32.00
81.90	26.50	25.75

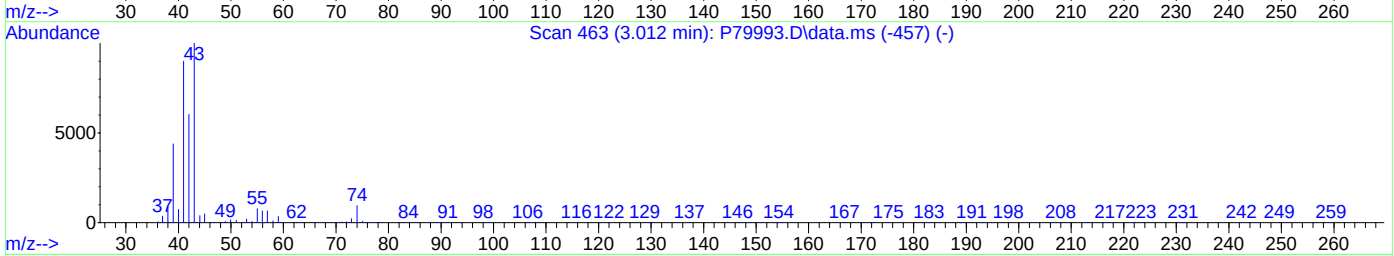
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92897.D
Acq On : 13 Sep 2022 11:36 am
Operator : lindsayr
Sample : BS Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 05:33:31 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92897.D\data.ms

(50) Isobutyl alcohol

3.581min (-0.005) 430.58ug/L

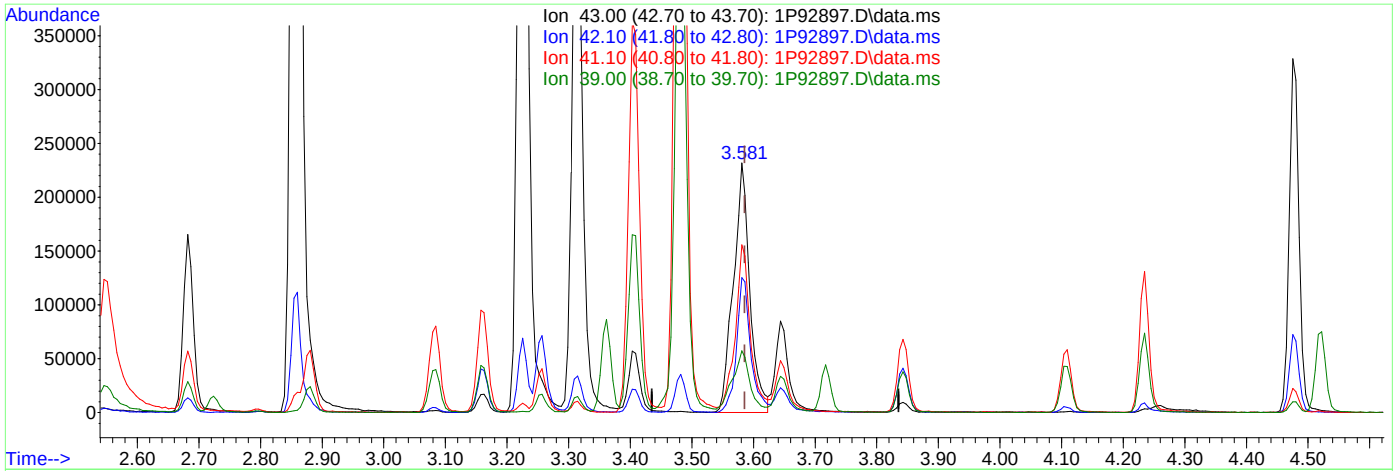
response 394185

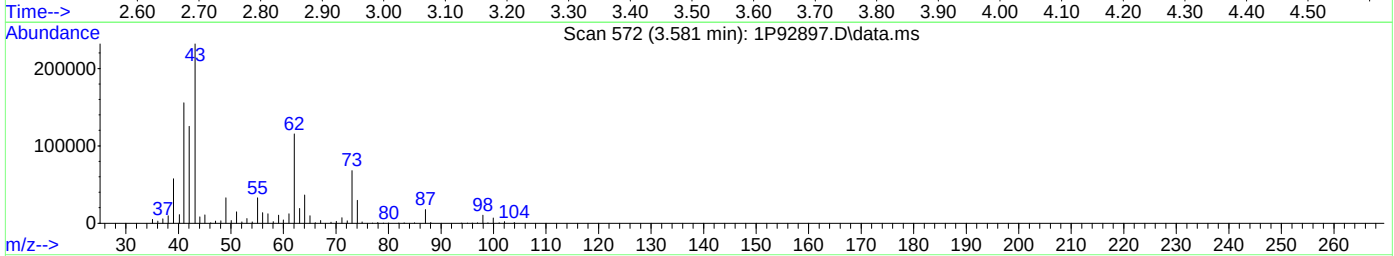
Ion	Exp%	Act%
43.00	100	100
42.10	57.70	54.09
41.10	72.00	65.28
39.00	27.20	23.40

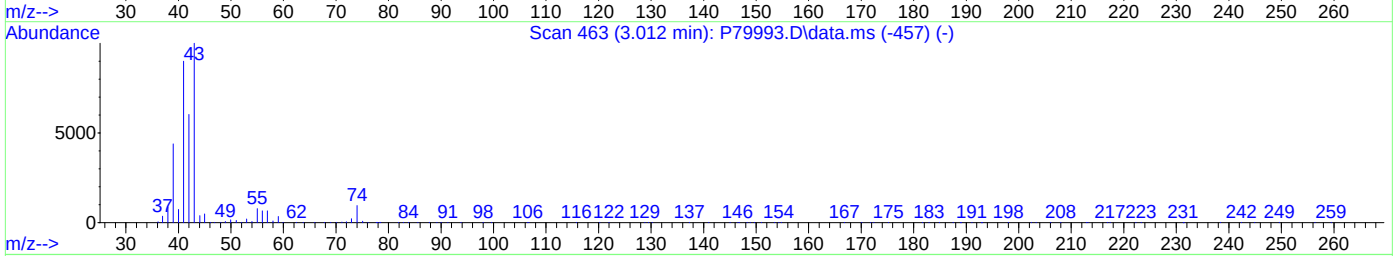
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92897.D
Acq On : 13 Sep 2022 11:36 am
Operator : lindsayr
Sample : BS Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 05:33:31 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92897.D\data.ms

(50) Isobutyl alcohol

3.581min (-0.005) 473.07ug/L m

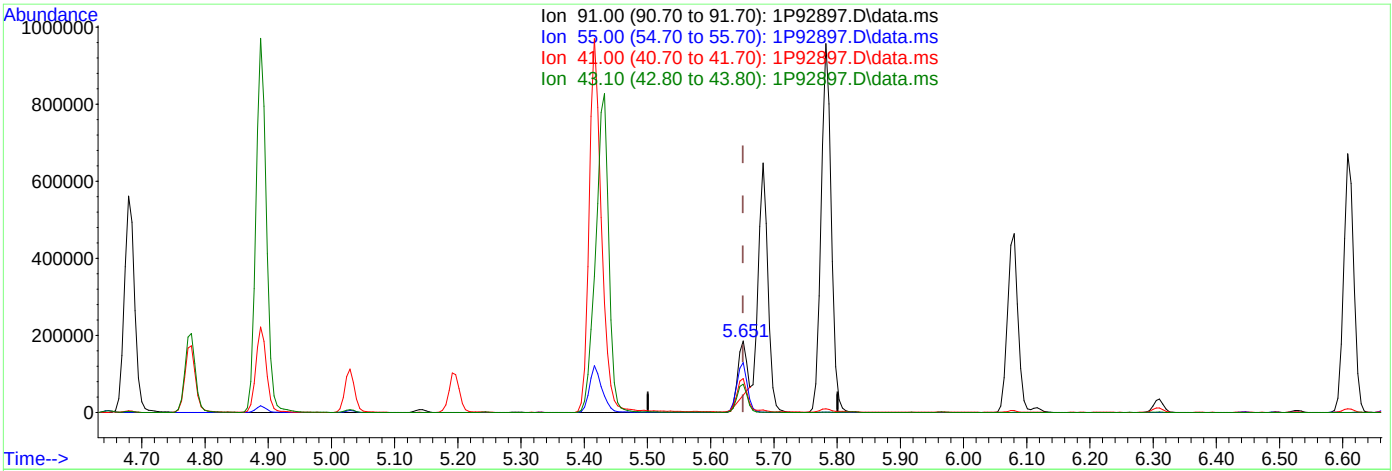
response 433088

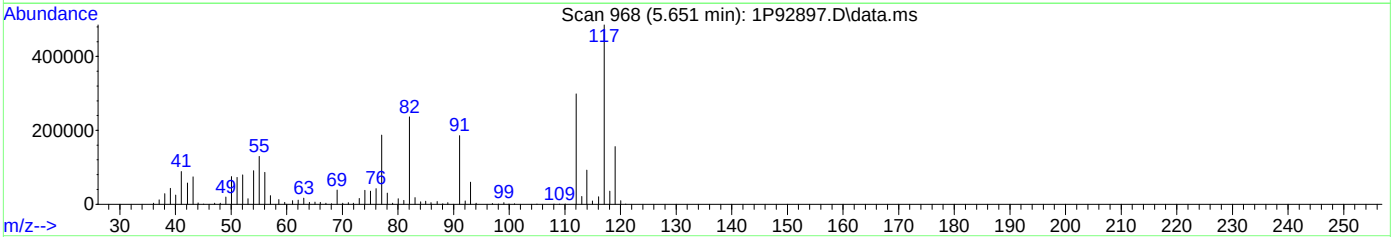
Ion	Exp%	Act%
43.00	100	100
42.10	57.70	54.02
41.10	72.00	67.15
39.00	27.20	24.73

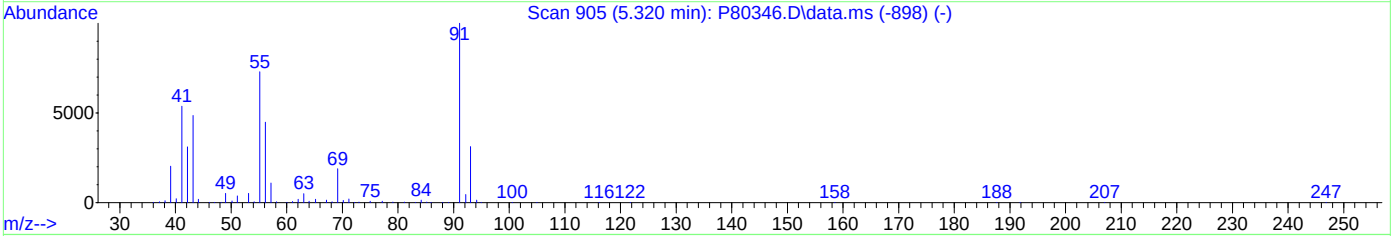
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92897.D
Acq On : 13 Sep 2022 11:36 am
Operator : lindsayr
Sample : BS Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 05:33:31 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92897.D\data.ms

(76) 1-Chlorohexane

5.651min (+0.001) 15.92ug/L

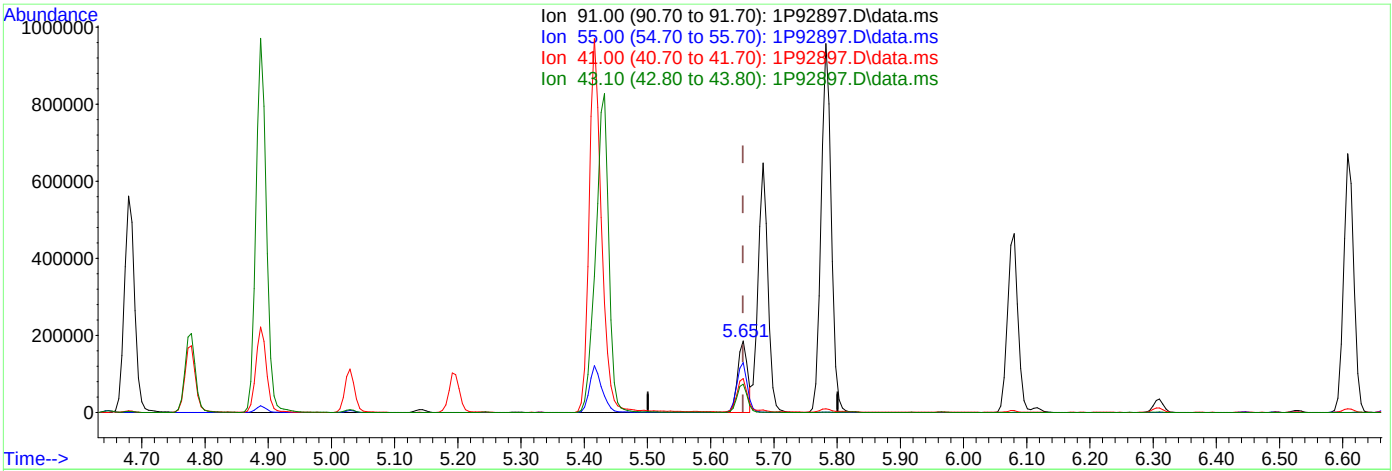
response 134902

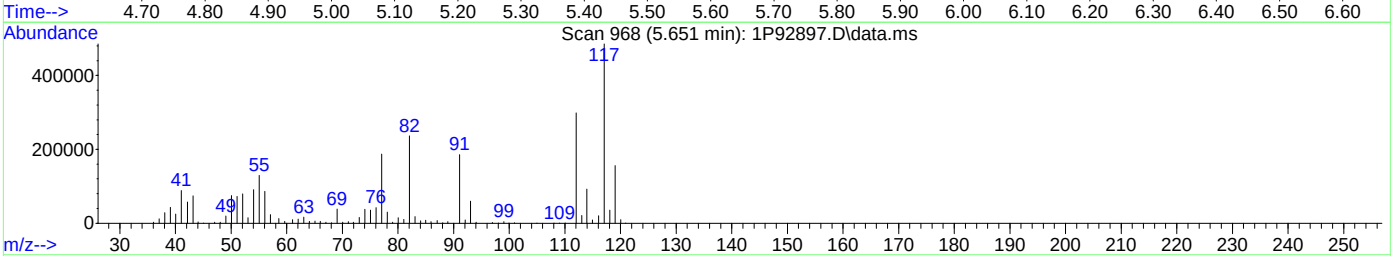
Ion	Exp%	Act%
91.00	100	100
55.00	72.50	67.63
41.00	52.10	45.44
43.10	41.30	39.01

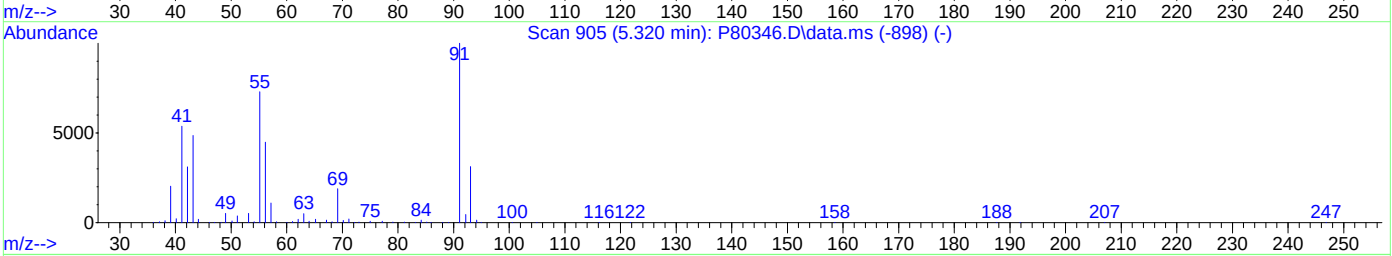
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92897.D
Acq On : 13 Sep 2022 11:36 am
Operator : lindsayr
Sample : BS Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 05:33:31 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92897.D\data.ms

(76) 1-Chlorohexane

5.651min (+0.001) 23.58ug/L m

response 199790

Ion	Exp%	Act%
91.00	100	100
55.00	72.50	69.95
41.00	52.10	47.51
43.10	41.30	39.97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751040.D
Acq On : 31 Aug 2022 11:48 pm
Operator : KarenW
Sample : FA98404-6MS
Misc : MS52303,VI2680,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 01 08:15:15 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.342	96	836210	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	610488	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	312148	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.451	113	233312	50.49	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	100.98%		
49) 1,2-Dichloroethane-d4	8.037	65	266308	50.82	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	101.64%		
63) Toluene-d8	9.951	98	828070	49.74	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	99.48%		
86) 4-Bromofluorobenzene	12.731	174	254894	49.15	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.30%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.391	85	86216	22.69	ug/L	99
3) Chloromethane	2.715	50	114007	23.32	ug/L	97
4) Vinyl Chloride	2.861	62	105519	23.88	ug/L	98
5) 1,3-Butadiene	2.897	39	102530	31.61	ug/L	95
6) Bromomethane	3.391	94	37013	15.34	ug/L	98
7) Chloroethane	3.586	64	63577	29.04	ug/L	95
8) Trichlorofluoromethane	3.800	101	143006	26.44	ug/L	100
9) Ethyl Ether	4.306	59	69501	22.20	ug/L	96
10) 1,2-Dichlorotrifluoroe...	4.556	67	94528	25.93	ug/L	98
11) 1,1-Dichloroethene	4.562	61	124680	23.82	ug/L	99
12) Ethanol	4.550	45	85452	494.30	ug/L	97
13) Freon 113	4.623	101	69476	23.83	ug/L	98
14) Carbon Disulfide	4.604	76	182514	20.06	ug/L	99
15) Iodomethane	4.757	142	50382	13.25	ug/L	95
16) Acrolein	5.019	56	111518	84.83	ug/L	96
17) Allyl chloride	5.202	41	110748	24.11	ug/L	96
18) Methylene Chloride	5.336	49	114606	19.08	ug/L	98
19) Acetone	5.397	43	360596	135.70	ug/L	99
20) Methyl acetate	5.562	43	528820	103.35	ug/L	99
21) trans-1,2-Dichloroethene	5.555	61	111560	23.13	ug/L	96
22) Hexane	5.659	56	62036	27.13	ug/L	89
23) Methyl Tert Butyl Ether	5.696	73	234632	26.60	ug/L	94
24) Tert butyl alcohol	5.818	59	524530	296.79	ug/L	98
25) Acetonitrile	5.964	41	245839	224.99	ug/L	96
26) Di-isopropyl ether	6.153	45	260623	23.82	ug/L	99
27) Chloroprene	6.281	53	112092	114.37	ug/L	95
28) 1,1-Dichloroethane	6.299	63	147299	24.36	ug/L	98
29) Acrylonitrile	6.348	53	317013	120.70	ug/L	99
30) ETBE	6.586	59	236029	21.35	ug/L	96
31) Vinyl acetate	6.586	43	787104	100.27	ug/L	99
32) cis-1,2-Dichloroethene	6.945	96	73171	23.28	ug/L	98
33) 2,2-Dichloropropane	7.067	77	87130	17.49	ug/L	99
34) Bromochloromethane	7.183	128	34117	24.49	ug/L	95
35) Cyclohexane	7.201	56	182300	32.10	ug/L	95
36) Chloroform	7.250	83	128115	22.33	ug/L	99
37) Ethyl acetate	7.366	43	716383	102.10	ug/L	99
38) Tetrahydrofuran	7.451	42	74424	23.32	ug/L	93
40) Carbon Tetrachloride	7.433	117	101171	23.09	ug/L	97
41) 1,1,1-Trichloroethane	7.500	97	116963	23.03	ug/L	97
42) 2-Butanone	7.573	43	562226	128.80	ug/L	100
43) 1,1-Dichloropropene	7.634	75	98679	23.10	ug/L	93
44) tert-Butyl Formate	7.775	59	2414	0.72	ug/L #	69

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751040.D
Acq On : 31 Aug 2022 11:48 pm
Operator : KarenW
Sample : FA98404-6MS
Misc : MS52303,VI2680,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 01 08:15:15 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	7.890	54	316728	235.51	ug/L		98
46) Methacrylonitrile	7.915	41	869812	221.47	ug/L		99
47) Benzene	7.903	78	282636	23.22	ug/L		97
48) TAME	8.012	73	266157	29.77	ug/L		96
50) Isobutyl alcohol	8.092	42	185874	462.62	ug/L		97
51) 1,2-Dichloroethane	8.116	62	110081	23.43	ug/L		98
52) Tert Amyl Alcohol	8.201	59	345032	221.73	ug/L		97
53) Trichloroethene	8.537	95	74065	22.28	ug/L		93
54) Methylcyclohexane	8.537	83	113294	25.93	ug/L		98
55) Dibromomethane	8.976	93	47092	22.84	ug/L		95
56) 1,2-Dichloropropane	9.061	63	76781	22.07	ug/L		98
57) Bromodichloromethane	9.122	83	95049	22.77	ug/L		97
58) Methyl methacrylate	9.250	41	92418	21.24	ug/L		98
59) 1,4-Dioxane	9.317	88	55968	488.20	ug/L		96
61) cis-1,3-Dichloropropene	9.762	75	96095	20.09	ug/L		99
64) Toluene	10.006	91	293956	22.74	ug/L		100
65) 2-Nitropropane	10.207	41	202188	110.21	ug/L		97
66) 4-Methyl-2-pentanone	10.341	43	886941	126.70	ug/L		100
67) trans-1,3-Dichloropropene	10.408	75	91167	22.72	ug/L		95
68) Tetrachloroethene	10.414	166	78373	21.47	ug/L		98
69) Ethyl methacrylate	10.524	69	95677	21.34	ug/L		98
70) 1,1,2-Trichloroethane	10.567	83	57508	22.98	ug/L		97
71) Dibromochloromethane	10.768	129	69481	21.13	ug/L		93
72) 1,3-Dichloropropane	10.847	76	104922	20.95	ug/L		98
73) 1,2-Dibromoethane	11.024	107	71800	22.82	ug/L		99
74) 3,3-dimethyl-1-butanol	11.128	57	1978054	1257.56	ug/L		100
75) 2-hexanone	11.164	43	775014	120.93	ug/L		95
76) 1-Chlorohexane	11.475	91	89434	22.01	ug/L		99
77) Ethylbenzene	11.536	91	325233	22.31	ug/L		100
78) Chlorobenzene	11.530	112	185285	22.52	ug/L		98
79) 1,1,1,2-Tetrachloroethane	11.585	131	68009	22.12	ug/L		95
80) m,p-Xylene	11.676	91	672903	61.70	ug/L		100
81) o-Xylene	12.115	91	282938	26.13	ug/L		98
82) Styrene	12.164	104	172522	22.05	ug/L		99
83) Bromoform	12.219	173	51841	21.56	ug/L		99
84) Isopropylbenzene	12.420	105	319074	23.97	ug/L		99
87) cis-1,4-Dichloro-2-butene	12.767	53	25735	12.35	ug/L		93
88) n-Propylbenzene	12.841	91	366065	22.59	ug/L		97
89) Bromobenzene	12.859	156	73532	20.70	ug/L		91
90) 1,1,2,2-Tetrachloroethane	12.902	83	120661	22.92	ug/L		98
91) 1,3,5-Trimethylbenzene	13.024	105	249354	22.08	ug/L		99
92) 2-Chlorotoluene	13.030	91	242641	22.68	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.084	53	23147	11.58	ug/L		97
94) 1,2,3-Trichloropropane	13.054	110	35632	21.07	ug/L		94
95) Cyclohexanone	13.115	55	70710	132.71	ug/L		96
96) 4-Chlorotoluene	13.194	91	212739	21.96	ug/L		99
97) tert-Butylbenzene	13.365	91	140149	21.80	ug/L		98
98) 1,2,4-Trimethylbenzene	13.432	105	276262	25.40	ug/L		99
99) Pentachloroethane	13.414	167	48004	22.77	ug/L		97
100) sec-Butylbenzene	13.548	105	307895	23.06	ug/L		99
101) 4-Isopropyltoluene	13.682	119	258747	23.32	ug/L		100
102) 1,3-Dichlorobenzene	13.810	146	138194	22.68	ug/L		98
103) 1,2,3-Trimethylbenzene	13.895	105	272745	24.15	ug/L		99
104) 1,4-Dichlorobenzene	13.895	146	144079	21.70	ug/L		100
105) n-Butylbenzene	14.121	92	124669	19.76	ug/L		89
106) Benzyl Chloride	14.133	126	19155	12.70	ug/L	#	11
107) 1,2-Dichlorobenzene	14.334	146	132722	22.00	ug/L		99
108) 1,2-Dibromo-3-Chloropr...	15.090	75	33684	21.40	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751040.D
Acq On : 31 Aug 2022 11:48 pm
Operator : KarenW
Sample : FA98404-6MS
Misc : MS52303,VI2680,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 01 08:15:15 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

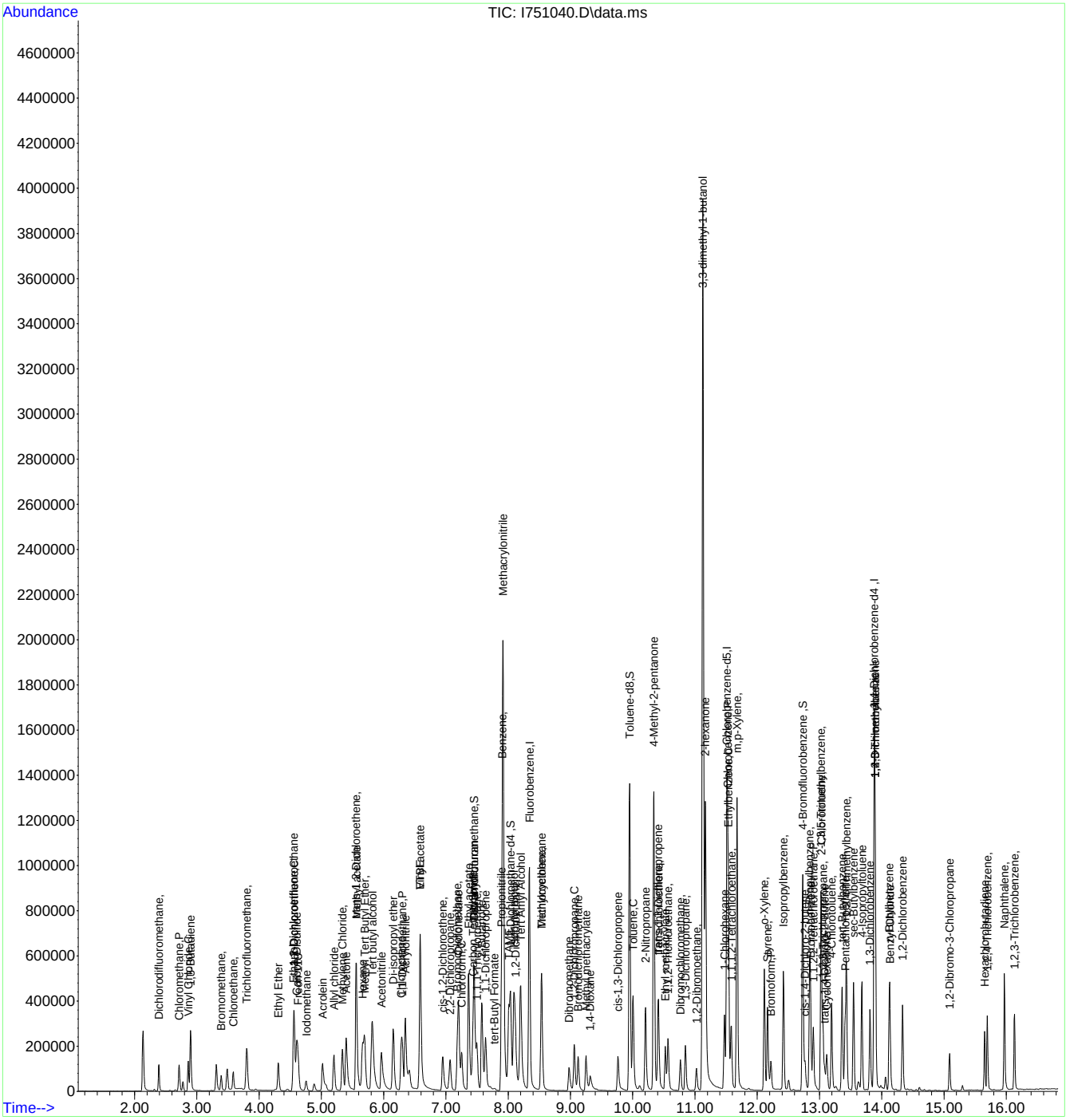
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) Hexachlorobutadiene	15.651	225	37553	20.38	ug/L	95
110) 1,2,4-Trichlorobenzene	15.694	180	83075	20.96	ug/L	98
111) Naphthalene	15.968	128	314675	23.55	ug/L	99
112) 1,2,3-Trichlorobenzene	16.133	180	85323	21.43	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751040.D
Acq On : 31 Aug 2022 11:48 pm
Operator : KarenW
Sample : FA98404-6MS
Misc : MS52303,VI2680,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 01 08:15:15 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751041.D
Acq On : 1 Sep 2022 12:12 am
Operator : KarenW
Sample : FA98404-6MSD
Misc : MS52303,VI2680,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 01 08:15:17 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.335	96	862898	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	625250	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	316273	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.451	113	239779	50.29	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.58%			
49) 1,2-Dichloroethane-d4	8.037	65	268779	49.71	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.42%			
63) Toluene-d8	9.951	98	851419	49.94	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.88%			
86) 4-Bromofluorobenzene	12.731	174	260588	49.59	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.18%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.385	85	89401	22.81	ug/L	95
3) Chloromethane	2.708	50	124373	24.65	ug/L	98
4) Vinyl Chloride	2.855	62	113464	24.89	ug/L	99
5) 1,3-Butadiene	2.891	39	109192	32.70	ug/L	99
6) Bromomethane	3.385	94	35235	14.13	ug/L	92
7) Chloroethane	3.580	64	69236	30.79	ug/L	98
8) Trichlorofluoromethane	3.800	101	144412	25.82	ug/L	97
9) Ethyl Ether	4.306	59	75511	23.38	ug/L	97
10) 1,2-Dichlorotrifluoroe...	4.556	67	105173	27.96	ug/L	96
11) 1,1-Dichloroethene	4.556	61	138147	25.58	ug/L	99
12) Ethanol	4.549	45	88054	493.60	ug/L	91
13) Freon 113	4.617	101	74517	24.76	ug/L	97
14) Carbon Disulfide	4.598	76	205275	21.87	ug/L	98
15) Iodomethane	4.751	142	63459	16.20	ug/L	95
16) Acrolein	5.013	56	126549	93.16	ug/L	94
17) Allyl chloride	5.196	41	123465	26.05	ug/L	97
18) Methylene Chloride	5.330	49	128114	20.76	ug/L	97
19) Acetone	5.391	43	366089	133.51	ug/L	100
20) Methyl acetate	5.555	43	575165	108.93	ug/L	99
21) trans-1,2-Dichloroethene	5.555	61	123886	24.89	ug/L	97
22) Hexane	5.659	56	65850	27.90	ug/L	93
23) Methyl Tert Butyl Ether	5.689	73	262549	28.85	ug/L	94
24) Tert butyl alcohol	5.811	59	587236	322.00	ug/L	99
25) Acetonitrile	5.958	41	265467	235.44	ug/L	99
26) Di-isopropyl ether	6.153	45	294858	26.12	ug/L	95
27) Chloroprene	6.281	53	123443	122.06	ug/L	95
28) 1,1-Dichloroethane	6.299	63	165300	26.49	ug/L	99
29) Acrylonitrile	6.342	53	317322	117.09	ug/L	99
30) ETBE	6.586	59	260948	22.88	ug/L	99
31) Vinyl acetate	6.586	43	805868	99.50	ug/L	99
32) cis-1,2-Dichloroethene	6.945	96	80779	24.90	ug/L	92
33) 2,2-Dichloropropane	7.067	77	94113	18.31	ug/L	98
34) Bromochloromethane	7.177	128	37097	25.81	ug/L	91
35) Cyclohexane	7.201	56	195233	33.32	ug/L	99
36) Chloroform	7.250	83	150985	25.50	ug/L	98
37) Ethyl acetate	7.360	43	730452	100.89	ug/L	99
38) Tetrahydrofuran	7.445	42	80506	24.44	ug/L	98
40) Carbon Tetrachloride	7.433	117	112162	24.80	ug/L	98
41) 1,1,1-Trichloroethane	7.494	97	131199	25.03	ug/L	95
42) 2-Butanone	7.573	43	590041	130.96	ug/L	100
43) 1,1-Dichloropropene	7.634	75	108079	24.51	ug/L	98
45) Propionitrile	7.890	54	336238	242.29	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751041.D
Acq On : 1 Sep 2022 12:12 am
Operator : KarenW
Sample : FA98404-6MSD
Misc : MS52303,VI2680,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 01 08:15:17 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Methacrylonitrile	7.915	41	927696	228.91	ug/L		99
47) Benzene	7.902	78	309983	24.68	ug/L		96
48) TAME	8.012	73	298560	32.36	ug/L		99
50) Isobutyl alcohol	8.091	42	196341	473.56	ug/L		97
51) 1,2-Dichloroethane	8.116	62	118753	24.50	ug/L		98
52) Tert Amyl Alcohol	8.201	59	385184	239.88	ug/L		98
53) Trichloroethene	8.537	95	82071	23.93	ug/L		97
54) Methylcyclohexane	8.537	83	119542	26.51	ug/L		98
55) Dibromomethane	8.975	93	50056	23.52	ug/L		95
56) 1,2-Dichloropropane	9.061	63	84264	23.48	ug/L		97
57) Bromodichloromethane	9.122	83	105265	24.43	ug/L		97
58) Methyl methacrylate	9.250	41	98484	21.93	ug/L		97
59) 1,4-Dioxane	9.317	88	61812	521.55	ug/L		99
61) cis-1,3-Dichloropropene	9.762	75	107453	21.77	ug/L		98
64) Toluene	10.006	91	321174	24.26	ug/L		100
65) 2-Nitropropane	10.207	41	224940	119.71	ug/L		96
66) 4-Methyl-2-pentanone	10.341	43	934348	130.32	ug/L		100
67) trans-1,3-Dichloropropene	10.408	75	102756	25.01	ug/L		99
68) Tetrachloroethene	10.414	166	85712	22.93	ug/L		99
69) Ethyl methacrylate	10.524	69	106341	23.16	ug/L		98
70) 1,1,2-Trichloroethane	10.567	83	63806	24.89	ug/L		98
71) Dibromochloromethane	10.768	129	78152	23.21	ug/L		97
72) 1,3-Dichloropropane	10.847	76	117776	22.96	ug/L		98
73) 1,2-Dibromoethane	11.024	107	79865	24.78	ug/L		99
74) 3,3-dimethyl-1-butanol	11.127	57	2170287	1344.90	ug/L		99
75) 2-hexanone	11.170	43	805174	122.70	ug/L		99
76) 1-Chlorohexane	11.475	91	95932	23.05	ug/L		99
77) Ethylbenzene	11.536	91	357377	23.93	ug/L		99
78) Chlorobenzene	11.530	112	207270	24.59	ug/L		97
79) 1,1,1,2-Tetrachloroethane	11.585	131	77713	24.68	ug/L		97
80) m,p-Xylene	11.676	91	717418	64.23	ug/L		98
81) o-Xylene	12.115	91	308279	27.80	ug/L		100
82) Styrene	12.164	104	193941	24.20	ug/L		99
83) Bromoform	12.219	173	58582	23.79	ug/L		99
84) Isopropylbenzene	12.420	105	344905	25.30	ug/L		99
87) cis-1,4-Dichloro-2-butene	12.767	53	26987	12.78	ug/L		97
88) n-Propylbenzene	12.841	91	392165	23.88	ug/L		95
89) Bromobenzene	12.859	156	82430	22.90	ug/L		91
90) 1,1,2,2-Tetrachloroethane	12.902	83	134970	25.30	ug/L		98
91) 1,3,5-Trimethylbenzene	13.023	105	275311	24.06	ug/L		100
92) 2-Chlorotoluene	13.030	91	261769	24.15	ug/L		100
93) trans-1,4-Dichloro-2-B...	13.084	53	26801	13.24	ug/L		89
94) 1,2,3-Trichloropropane	13.054	110	38757	22.62	ug/L		91
95) Cyclohexanone	13.115	55	70382	130.37	ug/L		98
96) 4-Chlorotoluene	13.194	91	229351	23.36	ug/L		99
97) tert-Butylbenzene	13.365	91	151412	23.24	ug/L		99
98) 1,2,4-Trimethylbenzene	13.432	105	301151	27.33	ug/L		99
99) Pentachloroethane	13.414	167	50871	23.82	ug/L		97
100) sec-Butylbenzene	13.548	105	329353	24.35	ug/L		98
101) 4-Isopropyltoluene	13.682	119	278918	24.81	ug/L		98
102) 1,3-Dichlorobenzene	13.810	146	149329	24.19	ug/L		98
103) 1,2,3-Trimethylbenzene	13.895	105	296168	25.88	ug/L		99
104) 1,4-Dichlorobenzene	13.895	146	156351	23.24	ug/L		99
105) n-Butylbenzene	14.121	92	135430	21.19	ug/L		85
106) Benzyl Chloride	14.133	126	20588	13.42	ug/L	#	4
107) 1,2-Dichlorobenzene	14.334	146	146834	24.02	ug/L		98
108) 1,2-Dibromo-3-Chloropr...	15.090	75	37238	23.35	ug/L		94
109) Hexachlorobutadiene	15.651	225	41430	22.19	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751041.D
Acq On : 1 Sep 2022 12:12 am
Operator : KarenW
Sample : FA98404-6MSD
Misc : MS52303,VI2680,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 01 08:15:17 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

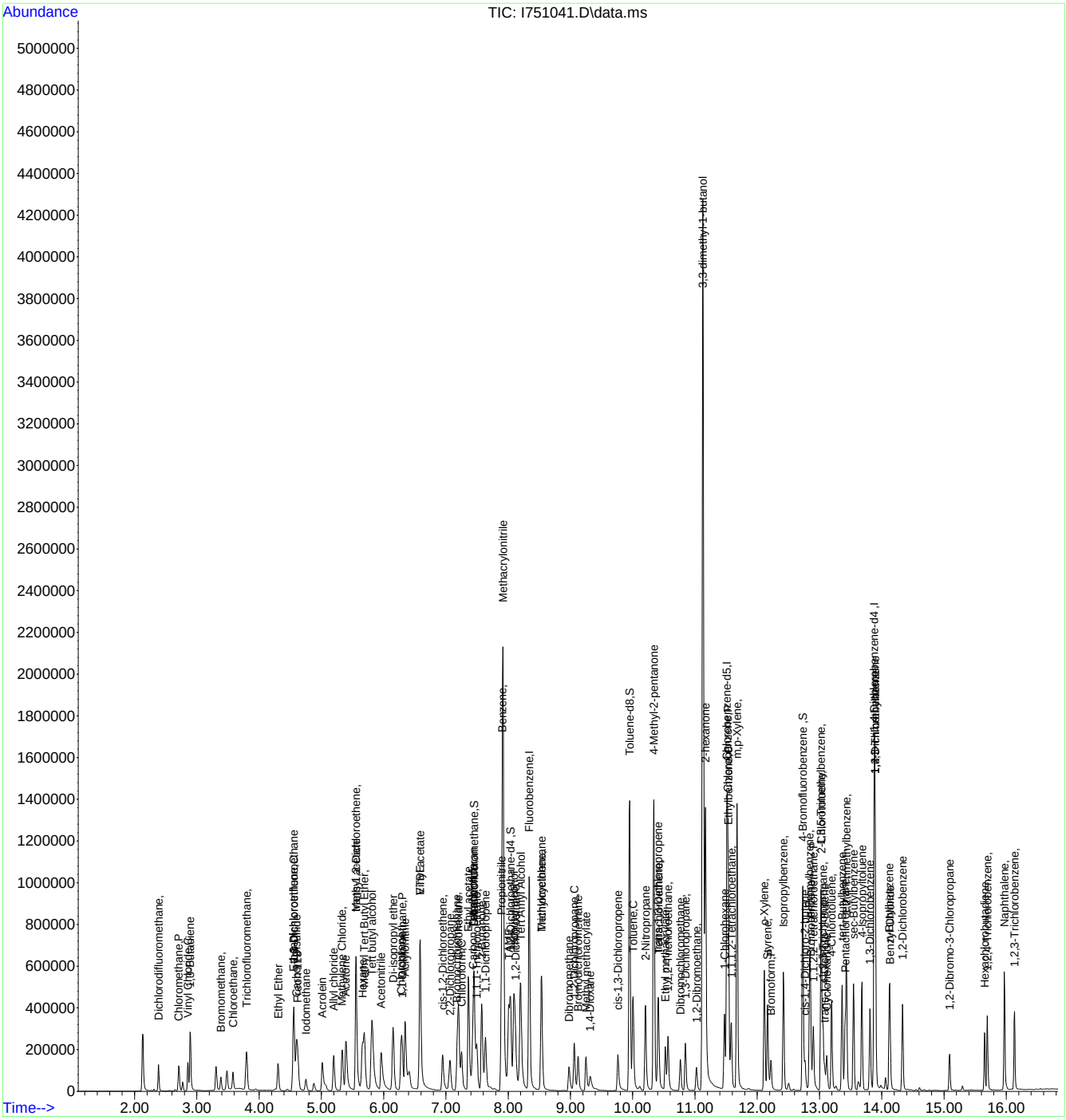
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) 1,2,4-Trichlorobenzene	15.694	180	92888	23.13	ug/L	98
111) Naphthalene	15.968	128	347245	25.65	ug/L	100
112) 1,2,3-Trichlorobenzene	16.133	180	92944	23.04	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751041.D
Acq On : 1 Sep 2022 12:12 am
Operator : KarenW
Sample : FA98404-6MSD
Misc : MS52303,VI2680,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 01 08:15:17 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 11:07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64403.D
Acq On : 1 Sep 2022 9:29 pm
Operator : joannel
Sample : FA98456-3MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 02:30:07 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.499	96	639326	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.152	117	559975	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.770	152	283134	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.599	113	146680	51.21	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.42%			
49) 1,2-Dichloroethane-d4	9.207	65	171803	49.10	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.20%			
63) Toluene-d8	10.935	98	666293	48.11	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.22%			
86) 4-Bromofluorobenzene	13.009	174	203049	47.24	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.844	85	93880	25.88	ug/L	97
3) Acrolein	5.581	56	89473	102.87	ug/L	92
4) Chloromethane	3.172	50	105151	26.41	ug/L	99
5) 1,3-butadiene	3.337	39	105529	29.07	ug/L	95
6) Vinyl Chloride	3.306	62	111466	25.04	ug/L	95
7) Bromomethane	3.829	94	23749	27.98	ug/L	96
8) Chloroethane	4.030	64	45876	30.14	ug/L	93
9) Trichlorofluoromethane	4.243	101	133780	28.50	ug/L	99
10) Ethyl Ether	4.748	59	69294	23.81	ug/L	93
11) Ethanol	4.997	45	46069	583.47	ug/L	98
12) 1,2-Dichlorotrifluoroe...	5.040	67	95070	29.54	ug/L	99
13) 1,1-Dichloroethene	5.046	61	120472	27.64	ug/L	98
14) Freon 113	5.107	101	80271	26.49	ug/L	91
15) Carbon Disulfide	5.101	76	185109	22.34	ug/L	98
16) Iodomethane	5.271	142	10362	14.76	ug/L	94
17) Allyl chloride	5.794	41	115534	28.24	ug/L	98
18) Methylene Chloride	5.959	49	116749	22.50	ug/L	98
19) Acetone	6.038	43	232162	126.98	ug/L	96
20) Methyl acetate	6.226	43	481275	115.72	ug/L	100
21) trans-1,2-Dichloroethene	6.220	61	112296	25.83	ug/L	96
22) Hexane	6.330	56	68100m	29.06	ug/L	
23) Methyl Tert Butyl Ether	6.378	73	274543	27.43	ug/L	78
24) Tert Butyl Alcohol	6.530	59	325879	308.94	ug/L	99
25) Acetonitrile	6.780	41	198798	244.88	ug/L	99
26) Di-isopropyl ether	6.987	45	266643	25.07	ug/L	96
27) Chloroprene	7.175	53	109386	117.88	ug/L	97
28) 1,1-Dichloroethane	7.212	63	154821	27.37	ug/L	97
29) Acrylonitrile	7.297	53	240626	109.37	ug/L	97
30) ETBE	7.577	59	238168	22.47	ug/L	96
31) Vinyl acetate	7.601	43	896772	107.05	ug/L	99
32) cis-1,2-Dichloroethene	8.027	96	97001	26.92	ug/L	98
33) 2,2-Dichloropropane	8.167	77	94576	20.17	ug/L	97
34) Bromochloromethane	8.289	128	38575	22.94	ug/L	90
35) Cyclohexane	8.295	56	168282	27.00	ug/L	98
36) Chloroform	8.380	83	140356	24.88	ug/L	97
37) Ethyl acetate	8.514	43	651026	101.71	ug/L	99
38) Tetrahydrofuran	8.587	42	61077	23.61	ug/L	98
40) Carbon Tetrachloride	8.550	117	93374	24.65	ug/L	96
41) 1,1,1-Trichloroethane	8.635	97	126141	25.57	ug/L	97
42) 2-Butanone	8.745	43	412542	120.83	ug/L	97
43) 1,1-Dichloropropene	8.781	75	120615	26.81	ug/L	96
45) Propionitrile	9.079	54	239593	231.87	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64403.D
Acq On : 1 Sep 2022 9:29 pm
Operator : joannel
Sample : FA98456-3MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 02:30:07 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Methacrylonitrile	9.104	41	790792	234.93	ug/L		98
47) Benzene	9.061	78	379134	25.92	ug/L		99
48) TAME	9.165	73	317520	30.66	ug/L		96
50) Isobutyl Alcohol	9.274	42	137546	494.77	ug/L		100
51) 1,2-Dichloroethane	9.280	62	108800	23.58	ug/L		95
52) Tert Amyl Alcohol	9.371	59	210532m	240.91	ug/L		
53) Trichloroethene	9.676	95	129895	36.67	ug/L		93
54) Methylcyclohexane	9.663	83	176872	28.58	ug/L		97
55) Dibromomethane	10.089	93	48076	24.04	ug/L		85
56) 1,2-Dichloropropane	10.174	63	84859	24.18	ug/L		98
57) Bromodichloromethane	10.229	83	93983	25.11	ug/L		95
58) Methyl methacrylate	10.345	41	96041	24.51	ug/L		98
59) 1,4-Dioxane	10.412	88	43390	570.12	ug/L		92
61) cis-1,3-Dichloropropene	10.783	75	112523	22.77	ug/L		97
64) Toluene	10.977	91	394434	23.04	ug/L		97
65) 2-Nitropropane	11.172	41	184520	108.48	ug/L		100
66) 4-Methyl-2-pentanone	11.263	43	778414	114.96	ug/L		99
67) trans-1,3-Dichloropropene	11.312	75	106681	22.96	ug/L		96
68) Tetrachloroethene	11.300	166	90198	21.80	ug/L		88
69) Ethyl methacrylate	11.397	69	118458	21.31	ug/L		94
70) 1,1,2-Trichloroethane	11.440	83	67632	22.71	ug/L		99
71) Dibromochloromethane	11.592	129	64653	20.23	ug/L		97
72) 1,3-Dichloropropane	11.659	76	134302	20.66	ug/L		98
73) 1,2-Dibromoethane	11.787	107	80426	21.87	ug/L		99
74) 3,3-dimethyl-1-butanol	11.872	57	1512902m	1070.91	ug/L		
75) 2-hexanone	11.896	43	623550	131.61	ug/L		98
76) 1-Chlorohexane	12.109	91	134172	26.05	ug/L		95
77) Ethylbenzene	12.158	91	440903	23.38	ug/L		83
78) Chlorobenzene	12.164	112	824085	78.38	ug/L		85
79) 1,1,1,2-Tetrachloroethane	12.200	131	72903	21.84	ug/L		96
80) m,p-Xylene	12.255	91	684100	46.94	ug/L		98
81) o-Xylene	12.571	91	336483	24.06	ug/L		100
82) Styrene	12.608	104	241762	23.71	ug/L		98
83) Bromoform	12.663	173	39705	19.18	ug/L		97
84) Isopropylbenzene	12.778	105	430260	24.18	ug/L		98
87) cis-1,4-Dichloro-2-butene	13.034	53	21221	12.92	ug/L	#	87
88) n-Propylbenzene	13.064	91	525820	25.30	ug/L		96
89) Bromobenzene	13.095	156	83857	20.23	ug/L	#	68
90) 1,1,2,2-Tetrachloroethane	13.119	83	135505	23.45	ug/L		99
91) 1,3,5-Trimethylbenzene	13.180	105	342506	24.13	ug/L		99
92) 2-Chlorotoluene	13.204	91	322958	23.93	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.241	53	20457	13.41	ug/L	#	79
94) 1,2,3-Trichloropropane	13.234	110	42180	21.73	ug/L		90
95) Cyclohexanone	13.289	55	43403	116.08	ug/L		98
96) 4-Chlorotoluene	13.314	91	287054	23.90	ug/L		99
97) tert-Butylbenzene	13.411	91	194095	24.81	ug/L		96
98) 1,2,4-Trimethylbenzene	13.453	105	340837	24.46	ug/L		94
99) Pentachloroethane	13.466	167	46376	21.66	ug/L		90
100) sec-Butylbenzene	13.533	105	465393	27.42	ug/L		99
101) 4-Isopropyltoluene	13.612	119	373608	26.21	ug/L		99
102) 1,3-Dichlorobenzene	13.727	146	168940	22.65	ug/L		97
103) 1,2,3-Trimethylbenzene	13.764	105	347743	24.68	ug/L		97
104) 1,4-Dichlorobenzene	13.782	146	200322	25.33	ug/L		97
105) n-Butylbenzene	13.898	92	175399	24.80	ug/L		99
106) Benzyl Chloride	13.934	126	26802	11.98	ug/L	#	82
107) 1,2-Dichlorobenzene	14.074	146	316429	43.38	ug/L		99
108) 1,2-Dibromo-3-Chloropr...	14.597	75	27742	20.61	ug/L		93
109) Hexachlorobutadiene	15.005	225	28633	21.32	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64403.D
Acq On : 1 Sep 2022 9:29 pm
Operator : joannel
Sample : FA98456-3MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 02:30:07 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

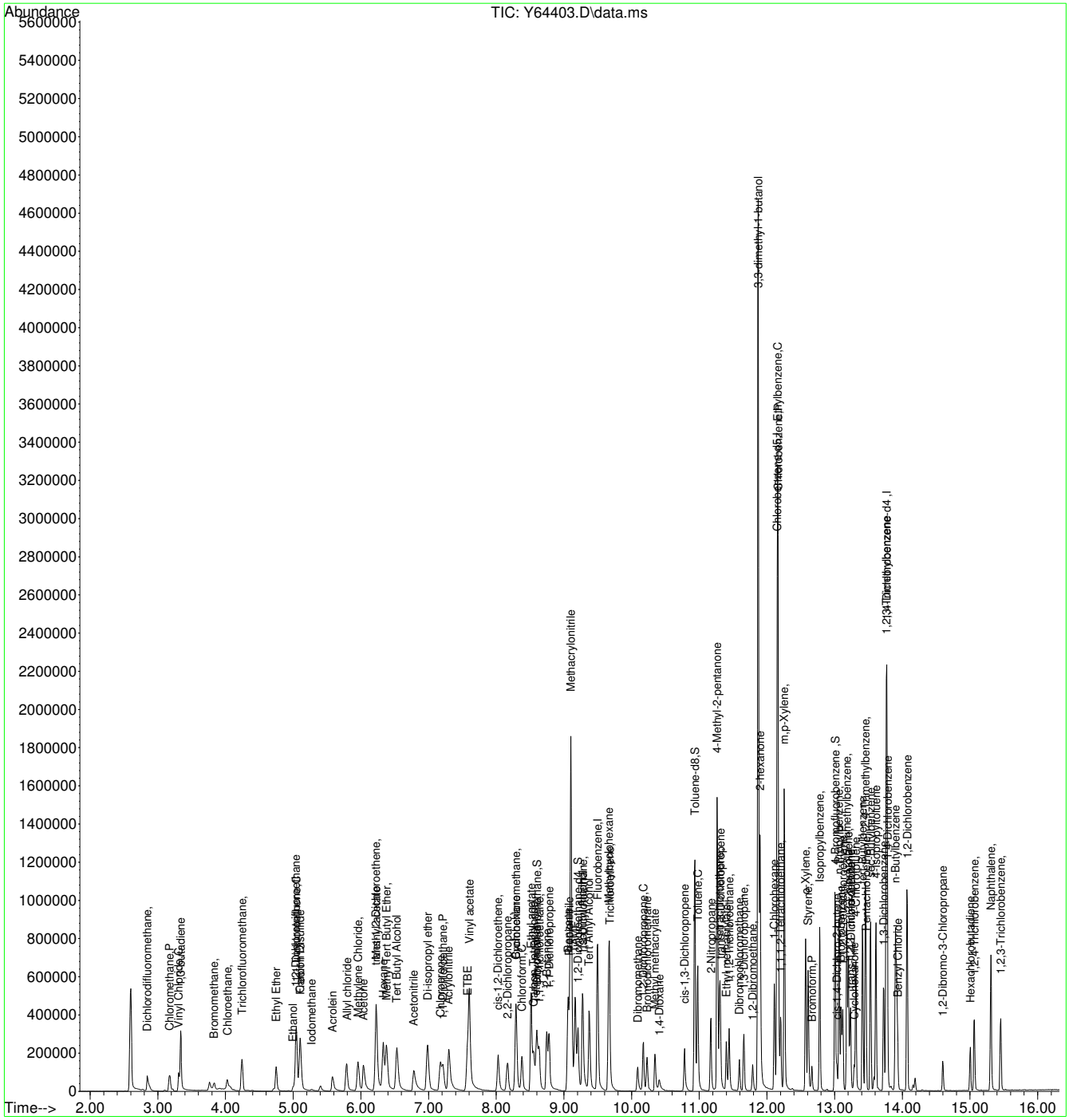
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) 1,2,4-Trichlorobenzene	15.066	180	91890	19.27	ug/L	97
111) Naphthalene	15.309	128	445851	21.71	ug/L	99
112) 1,2,3-Trichlorobenzene	15.455	180	92414	19.34	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64403.D
Acq On : 1 Sep 2022 9:29 pm
Operator : joannel
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ALS Vial : 27 Sample Multiplier: 1

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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



Manual Integration Approval Summary

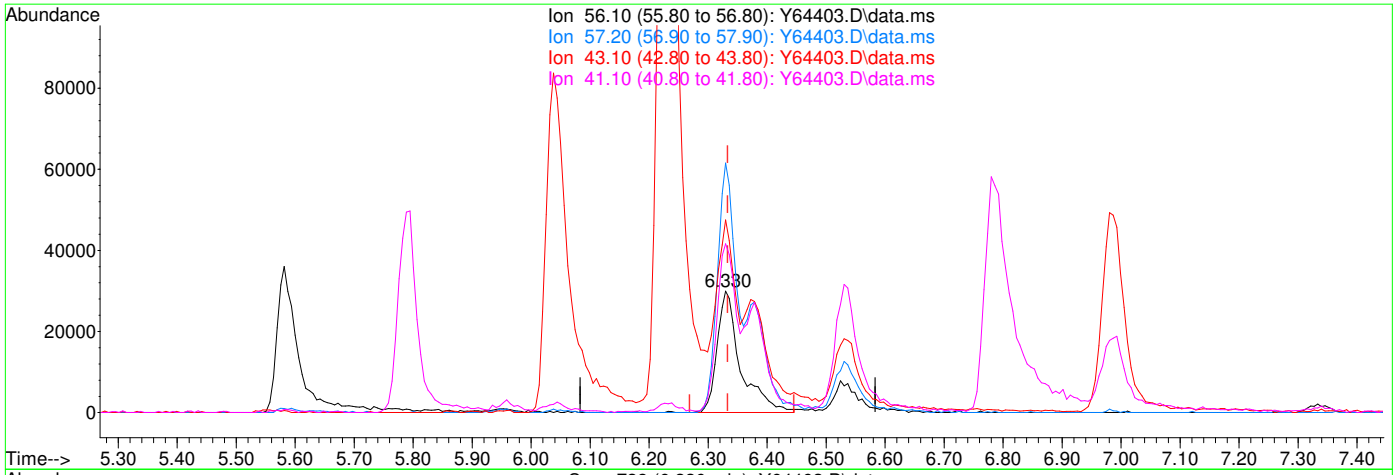
Sample Number: FA98456-3MS
Lab FileID: Y64403.D
Injection Time: 09/01/22 21:29
Method: SW846 8260D
Analyst approved: 09/02/22 09:08 Jo-Ann Lugo De Jesus
Supervisor approved: 09/02/22 11:07 Karen Watson

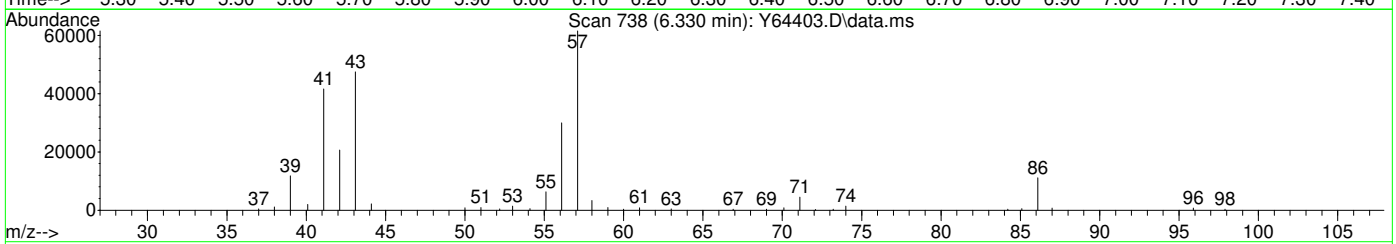
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.37	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

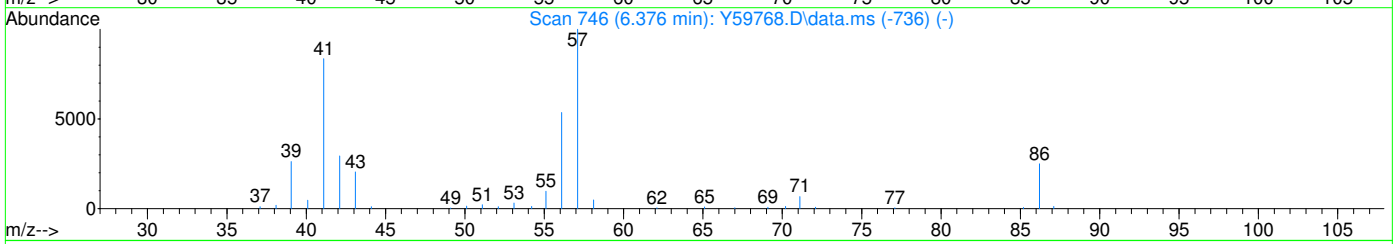
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64403.D
Acq On : 1 Sep 2022 9:29 pm
Operator : joannel
Sample : FA98456-3MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 02:12:06 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64403.D\data.ms

(22) Hexane

6.330min (-0.004) 35.40ug/L

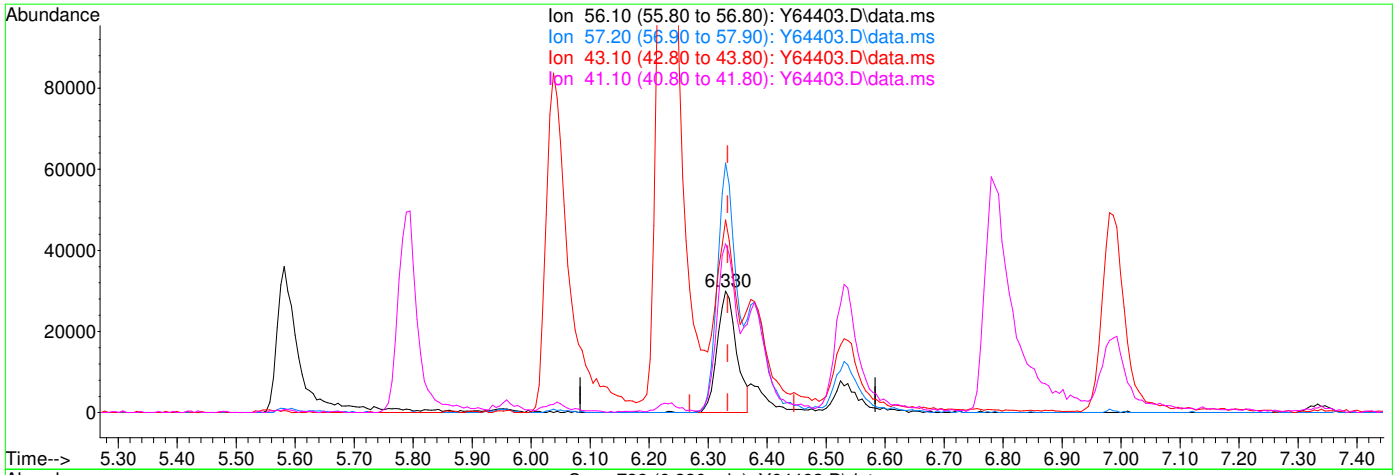
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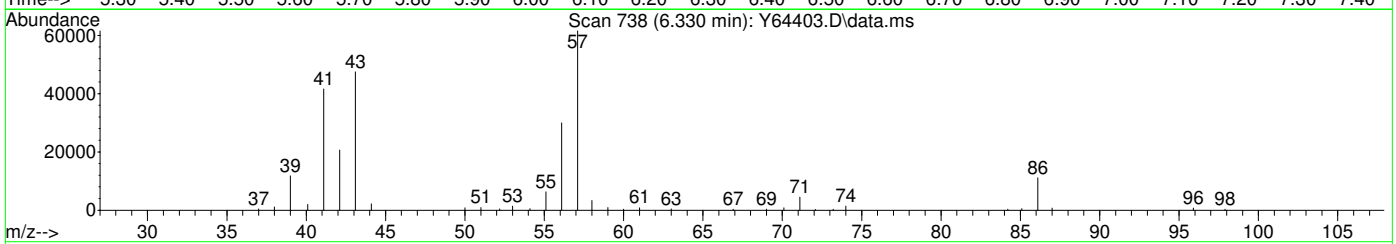
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	205.45
43.10	151.00	141.91
41.10	129.70	136.69

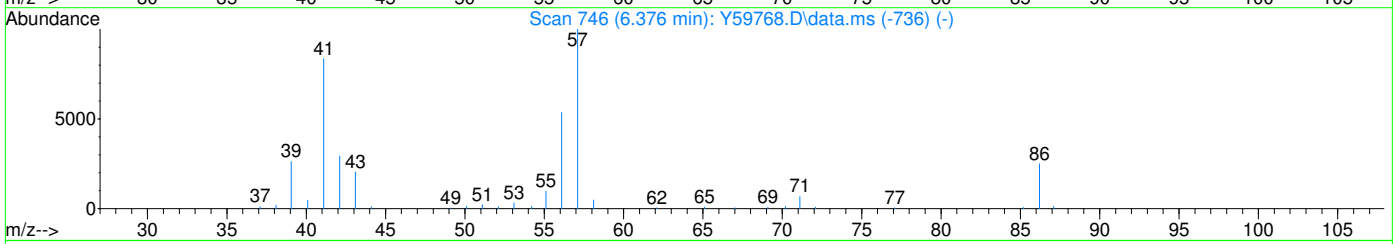
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64403.D
Acq On : 1 Sep 2022 9:29 pm
Operator : joannel
Sample : FA98456-3MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 02:12:06 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64403.D\data.ms

(22) Hexane

6.330min (-0.004) 29.06ug/L m

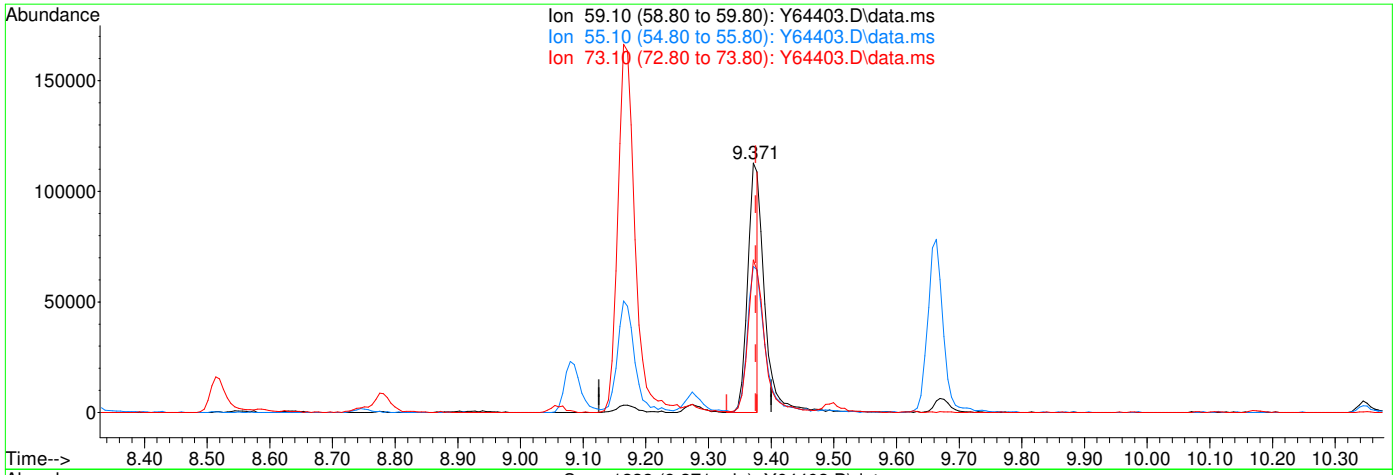
response 68100

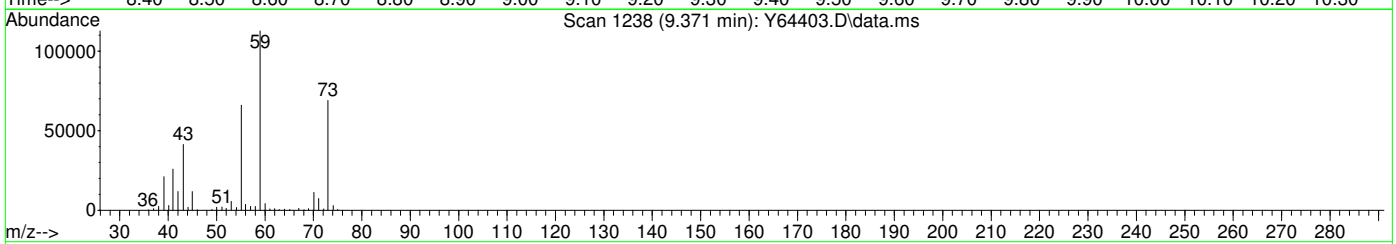
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	205.45
43.10	151.00	158.44
41.10	129.70	138.97

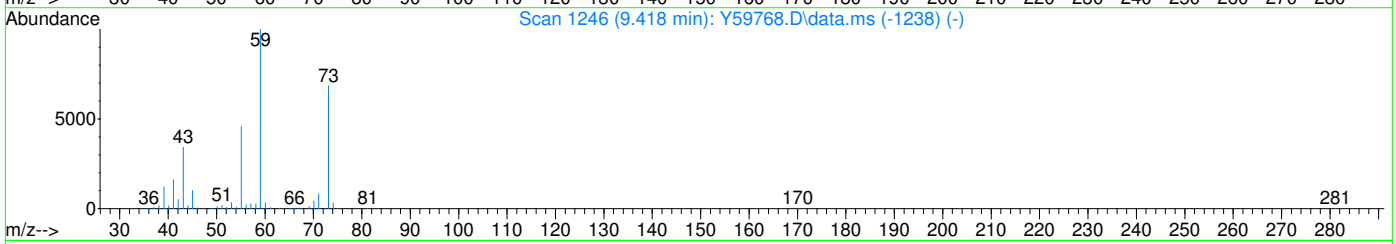
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64403.D
Acq On : 1 Sep 2022 9:29 pm
Operator : joannel
Sample : FA98456-3MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 02:12:06 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64403.D\data.ms

(52) Tert Amyl Alcohol

9.371min (-0.004) 155.85ug/L

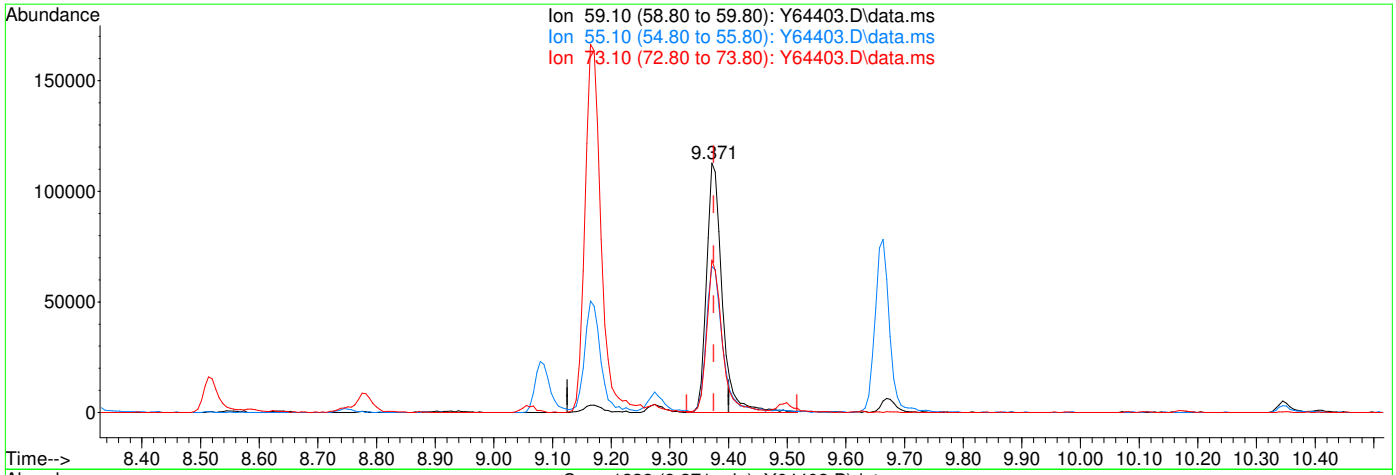
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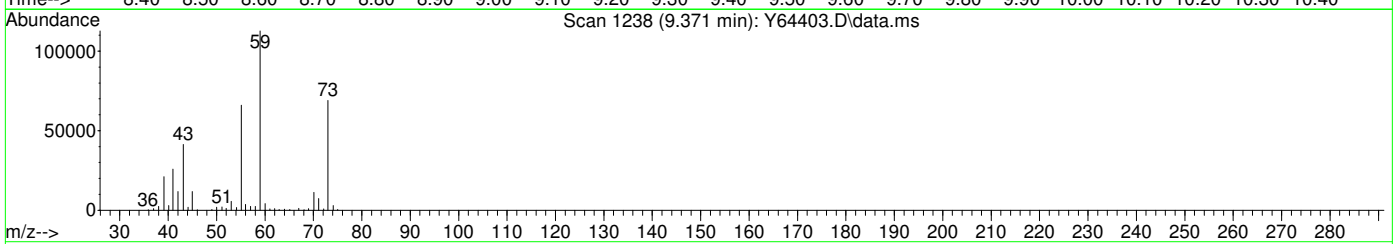
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	57.71
73.10	59.00	60.73
0.00	0.00	0.00

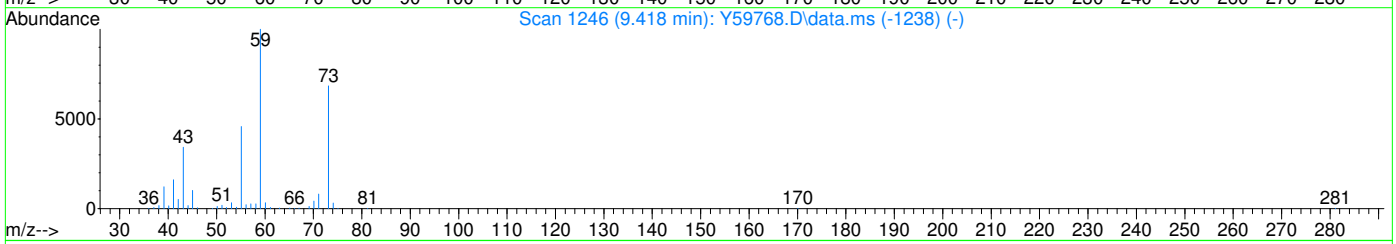
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64403.D
Acq On : 1 Sep 2022 9:29 pm
Operator : joannel
Sample : FA98456-3MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 02:12:06 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64403.D\data.ms

(52) Tert Amyl Alcohol

9.371min (-0.004) 240.91ug/L m

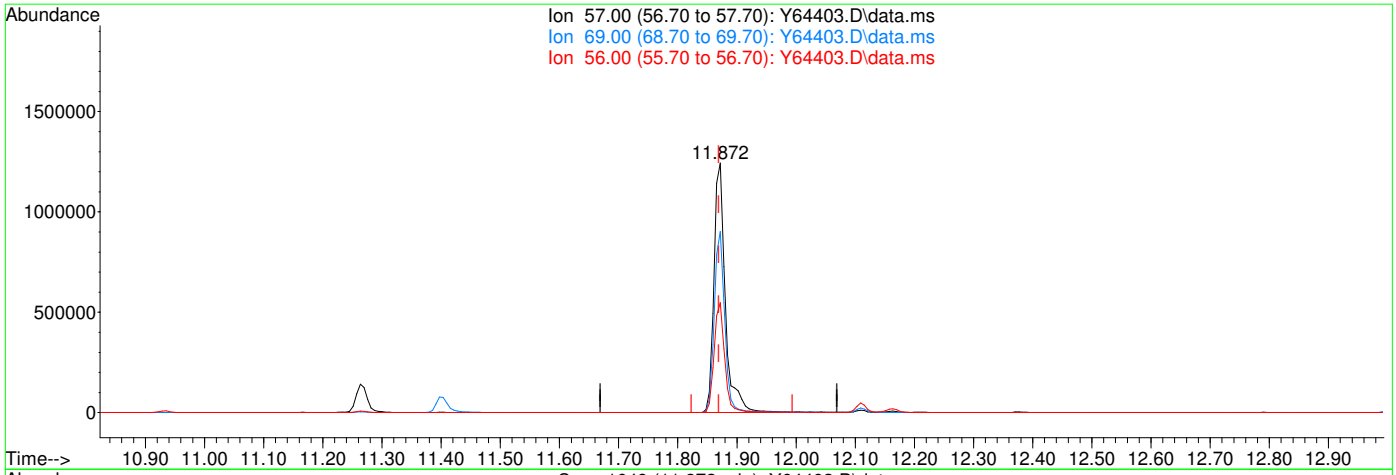
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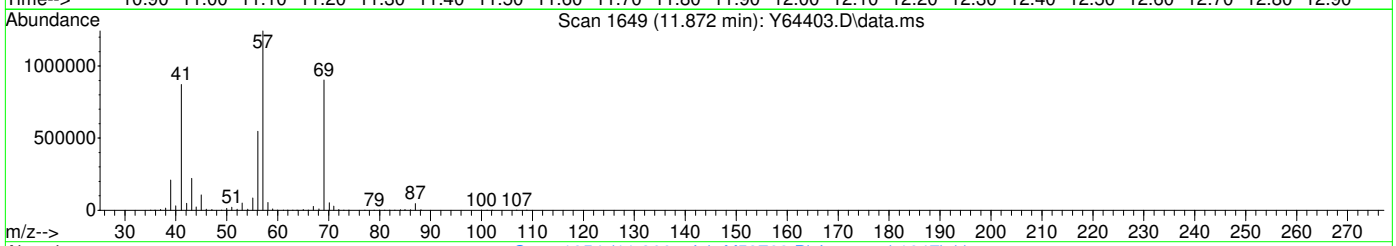
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	58.57
73.10	59.00	61.13
0.00	0.00	0.00

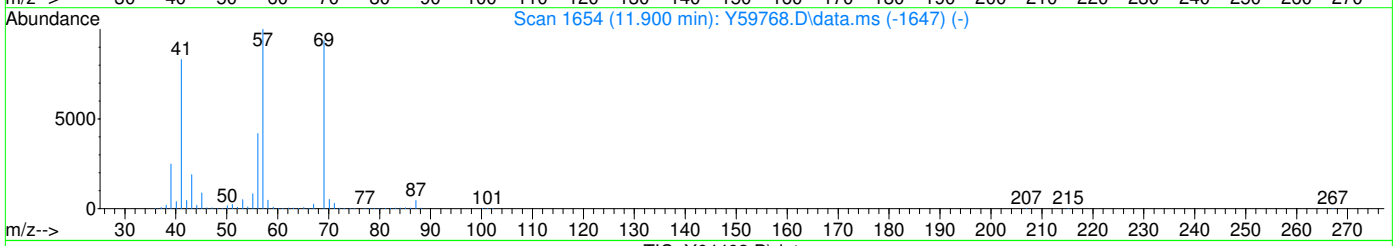
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64403.D
Acq On : 1 Sep 2022 9:29 pm
Operator : joannel
Sample : FA98456-3MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 02:12:06 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64403.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.872min (+0.003) 1169.43ug/L

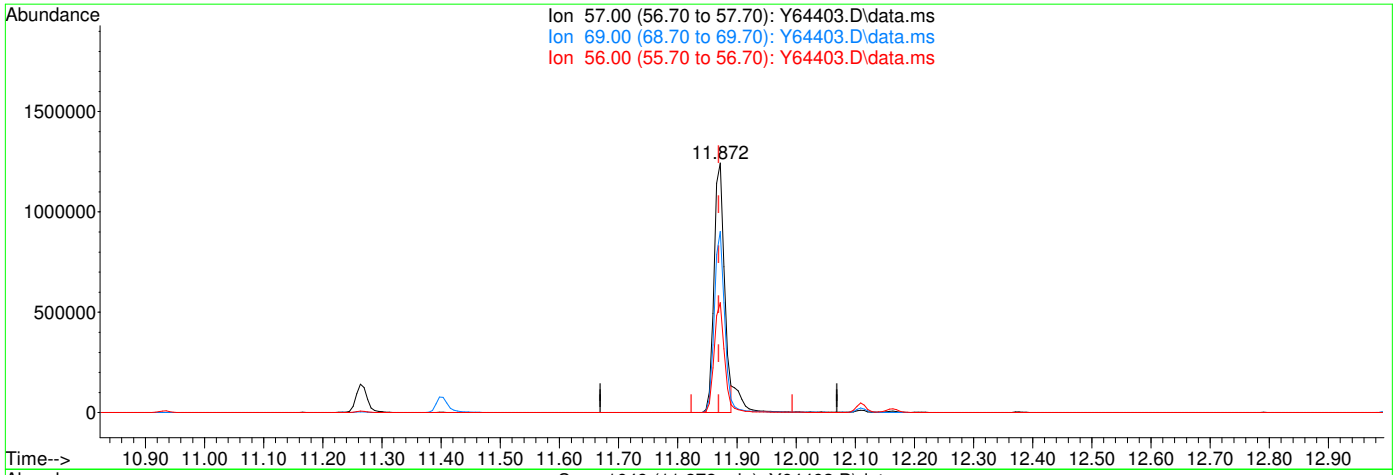
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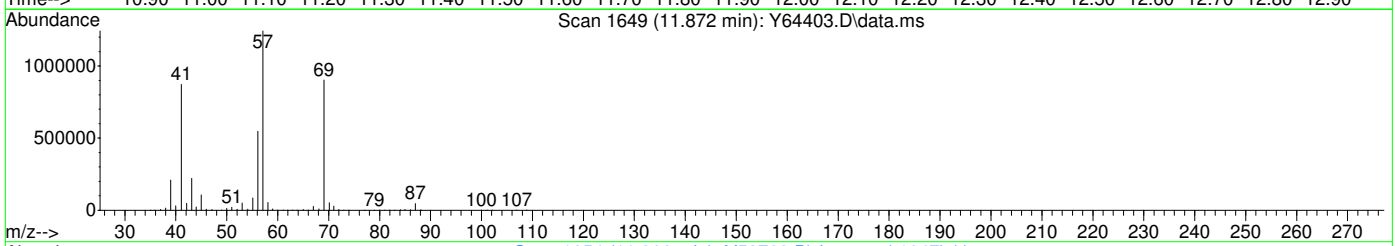
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	72.61
56.00	42.20	44.06
0.00	0.00	0.00

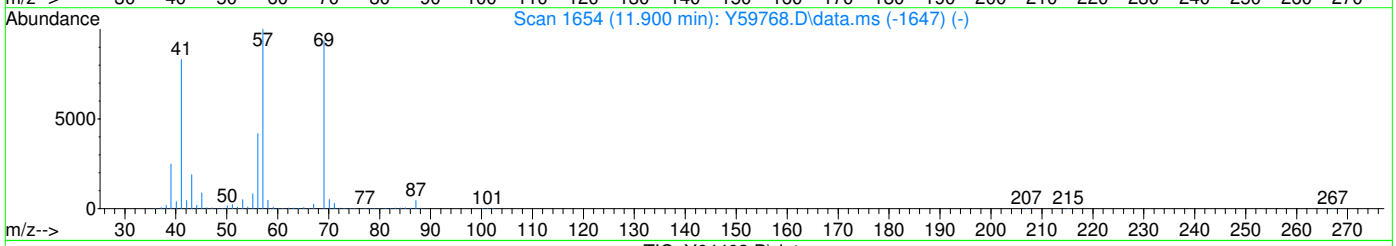
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64403.D
Acq On : 1 Sep 2022 9:29 pm
Operator : joannel
Sample : FA98456-3MS
Misc : MS52308,VY2669,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 02 02:12:06 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64403.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.872min (+0.003) 1070.91ug/L m

response 1512902

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	72.61
56.00	42.20	44.06
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 11:07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64404.D
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98456-3MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 02:31:44 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.496	96	654965	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.148	117	582298	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	300304	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	145977	49.74	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.48%		
49) 1,2-Dichloroethane-d4	9.210	65	171657	47.89	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	95.78%		
63) Toluene-d8	10.932	98	678554	47.11	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	94.22%		
86) 4-Bromofluorobenzene	13.006	174	213644	46.86	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	93.72%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.847	85	94650	25.48	ug/L	91
3) Acrolein	5.584	56	91726	102.94	ug/L	95
4) Chloromethane	3.175	50	108332	26.56	ug/L	96
5) 1,3-butadiene	3.339	39	110756	29.78	ug/L	97
6) Vinyl Chloride	3.309	62	117902	25.85	ug/L	98
7) Bromomethane	3.832	94	23538	27.18	ug/L	96
8) Chloroethane	4.027	64	47588	30.51	ug/L	96
9) Trichlorofluoromethane	4.246	101	133514	27.76	ug/L	96
10) Ethyl Ether	4.745	59	69453	23.29	ug/L	93
11) Ethanol	5.000	45	52096	632.74	ug/L	98
12) 1,2-Dichlorotrifluoroe...	5.043	67	98604	29.90	ug/L	98
13) 1,1-Dichloroethene	5.049	61	121673	27.25	ug/L	97
14) Freon 113	5.110	101	80037	25.78	ug/L	94
15) Carbon Disulfide	5.098	76	186776	22.00	ug/L	97
16) Iodomethane	5.268	142	12009	16.58	ug/L	98
17) Allyl chloride	5.791	41	117287	27.99	ug/L	98
18) Methylene Chloride	5.955	49	117247	22.05	ug/L	96
19) Acetone	6.041	43	245861	131.10	ug/L	98
20) Methyl acetate	6.229	43	488716	114.70	ug/L	98
21) trans-1,2-Dichloroethene	6.217	61	111061	24.94	ug/L	98
22) Hexane	6.326	56	66994m	27.91	ug/L	
23) Methyl Tert Butyl Ether	6.381	73	283497	27.64	ug/L	90
24) Tert Butyl Alcohol	6.533	59	337494	311.97	ug/L	94
25) Acetonitrile	6.783	41	204669	246.03	ug/L	98
26) Di-isopropyl ether	6.983	45	267085	24.52	ug/L	98
27) Chloroprene	7.178	53	113084	118.79	ug/L	97
28) 1,1-Dichloroethane	7.209	63	155215	26.79	ug/L	98
29) Acrylonitrile	7.300	53	252872	112.11	ug/L	96
30) ETBE	7.574	59	240706	22.17	ug/L	96
31) Vinyl acetate	7.604	43	920018	107.19	ug/L	100
32) cis-1,2-Dichloroethene	8.030	96	98161	26.59	ug/L	97
33) 2,2-Dichloropropane	8.164	77	98161	20.44	ug/L	98
34) Bromochloromethane	8.291	128	37524	21.78	ug/L	87
35) Cyclohexane	8.291	56	167959	26.30	ug/L	98
36) Chloroform	8.377	83	139900	24.21	ug/L	97
37) Ethyl acetate	8.516	43	668039	101.88	ug/L	99
38) Tetrahydrofuran	8.589	42	62940	23.75	ug/L	97
40) Carbon Tetrachloride	8.553	117	96105	24.77	ug/L	97
41) 1,1,1-Trichloroethane	8.632	97	130303	25.78	ug/L	98
42) 2-Butanone	8.748	43	444058	126.96	ug/L	98
43) 1,1-Dichloropropene	8.778	75	120075	26.05	ug/L	97
44) tert-Butyl formate	8.942	59	2008	0.68	ug/L #	45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64404.D
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98456-3MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 02:31:44 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) Propionitrile	9.082	54	259666	244.49 ug/L		98
46) Methacrylonitrile	9.101	41	805940	233.81 ug/L		97
47) Benzene	9.058	78	380522	25.40 ug/L		99
48) TAME	9.167	73	323795	30.52 ug/L		96
50) Isobutyl Alcohol	9.277	42	139456	490.27 ug/L		98
51) 1,2-Dichloroethane	9.283	62	112128	23.72 ug/L		99
52) Tert Amyl Alcohol	9.374	59	224990m	250.25 ug/L		
53) Trichloroethene	9.672	95	129972	35.81 ug/L		93
54) Methylcyclohexane	9.660	83	176887	27.90 ug/L		97
55) Dibromomethane	10.086	93	47308	23.09 ug/L		86
56) 1,2-Dichloropropane	10.171	63	83073	23.11 ug/L		96
57) Bromodichloromethane	10.226	83	96624	25.20 ug/L		93
58) Methyl methacrylate	10.348	41	91871	22.98 ug/L		97
59) 1,4-Dioxane	10.408	88	45508	582.51 ug/L		94
61) cis-1,3-Dichloropropene	10.780	75	113224	22.38 ug/L		98
64) Toluene	10.974	91	397408	22.32 ug/L		98
65) 2-Nitropropane	11.169	41	190259	107.57 ug/L		100
66) 4-Methyl-2-pentanone	11.266	43	807795	114.74 ug/L		99
67) trans-1,3-Dichloropropene	11.309	75	106603	22.08 ug/L		85
68) Tetrachloroethene	11.303	166	91588	21.29 ug/L		93
69) Ethyl methacrylate	11.400	69	117217	20.32 ug/L		99
70) 1,1,2-Trichloroethane	11.443	83	68072	21.98 ug/L		96
71) Dibromochloromethane	11.595	129	66977	20.15 ug/L		98
72) 1,3-Dichloropropane	11.662	76	136009	20.12 ug/L		99
73) 1,2-Dibromoethane	11.789	107	80615	21.09 ug/L		95
74) 3,3-dimethyl-1-butanol	11.868	57	1593001m	1083.19 ug/L		
75) 2-hexanone	11.899	43	672368	134.66 ug/L		99
76) 1-Chlorohexane	12.112	91	138596	25.87 ug/L		97
77) Ethylbenzene	12.154	91	445945	22.74 ug/L		88
78) Chlorobenzene	12.167	112	836903	76.54 ug/L		84
79) 1,1,1,2-Tetrachloroethane	12.203	131	75013	21.61 ug/L		90
80) m,p-Xylene	12.258	91	689396	45.49 ug/L		99
81) o-Xylene	12.574	91	343465	23.61 ug/L		99
82) Styrene	12.611	104	255461	24.09 ug/L		98
83) Bromoform	12.665	173	40742	18.94 ug/L		94
84) Isopropylbenzene	12.781	105	434012	23.46 ug/L		98
87) cis-1,4-Dichloro-2-butene	13.030	53	21460	12.32 ug/L		92
88) n-Propylbenzene	13.067	91	521538	23.66 ug/L		99
89) Bromobenzene	13.097	156	87481	19.90 ug/L		90
90) 1,1,2,2-Tetrachloroethane	13.122	83	137048	22.36 ug/L		98
91) 1,3,5-Trimethylbenzene	13.182	105	347533	23.08 ug/L		98
92) 2-Chlorotoluene	13.201	91	327713	22.90 ug/L		98
93) trans-1,4-Dichloro-2-B...	13.237	53	18805	11.63 ug/L	#	1
94) 1,2,3-Trichloropropane	13.231	110	43372	21.06 ug/L		93
95) Cyclohexanone	13.286	55	42660	107.57 ug/L		99
96) 4-Chlorotoluene	13.316	91	291887	22.91 ug/L		97
97) tert-Butylbenzene	13.414	91	197123	23.76 ug/L		100
98) 1,2,4-Trimethylbenzene	13.456	105	343753	23.26 ug/L		92
99) Pentachloroethane	13.462	167	48911	21.54 ug/L		77
100) sec-Butylbenzene	13.529	105	463201	25.73 ug/L		98
101) 4-Isopropyltoluene	13.608	119	374478	24.77 ug/L		99
102) 1,3-Dichlorobenzene	13.724	146	168889	21.35 ug/L		96
103) 1,2,3-Trimethylbenzene	13.760	105	350800	23.47 ug/L		99
104) 1,4-Dichlorobenzene	13.779	146	202908	24.19 ug/L		94
105) n-Butylbenzene	13.894	92	171628	22.88 ug/L		95
106) Benzyl Chloride	13.931	126	26394	11.15 ug/L	#	68
107) 1,2-Dichlorobenzene	14.071	146	319401	41.29 ug/L		98
108) 1,2-Dibromo-3-Chloropr...	14.600	75	29377	20.58 ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64404.D
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98456-3MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 02:31:44 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

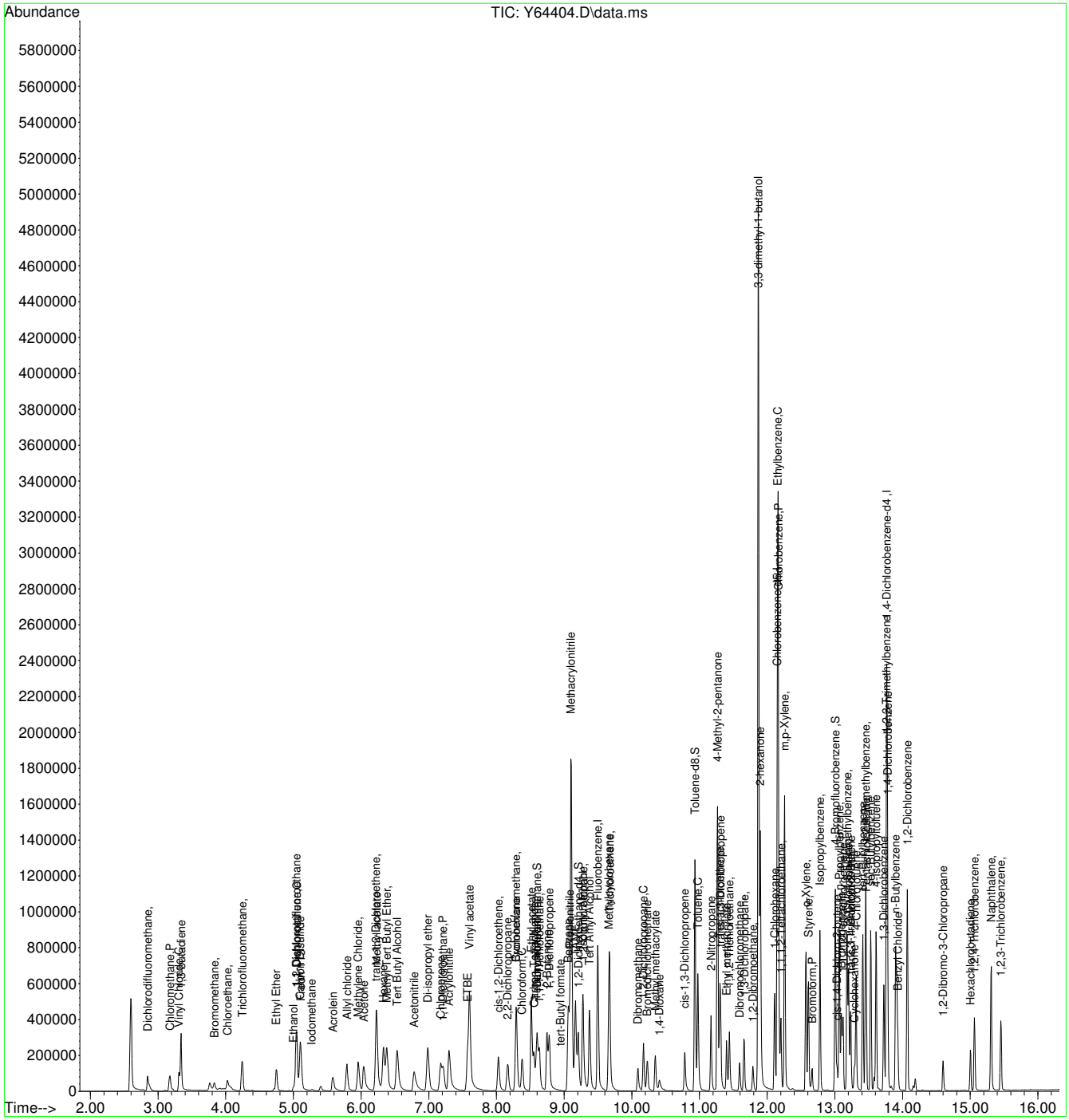
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) Hexachlorobutadiene	15.001	225	29866	20.99	ug/L	88
110) 1,2,4-Trichlorobenzene	15.062	180	93566	18.50	ug/L	98
111) Naphthalene	15.312	128	455092	20.89	ug/L	99
112) 1,2,3-Trichlorobenzene	15.452	180	91686	18.09	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64404.D
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98456-3MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 02:31:44 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



Manual Integration Approval Summary

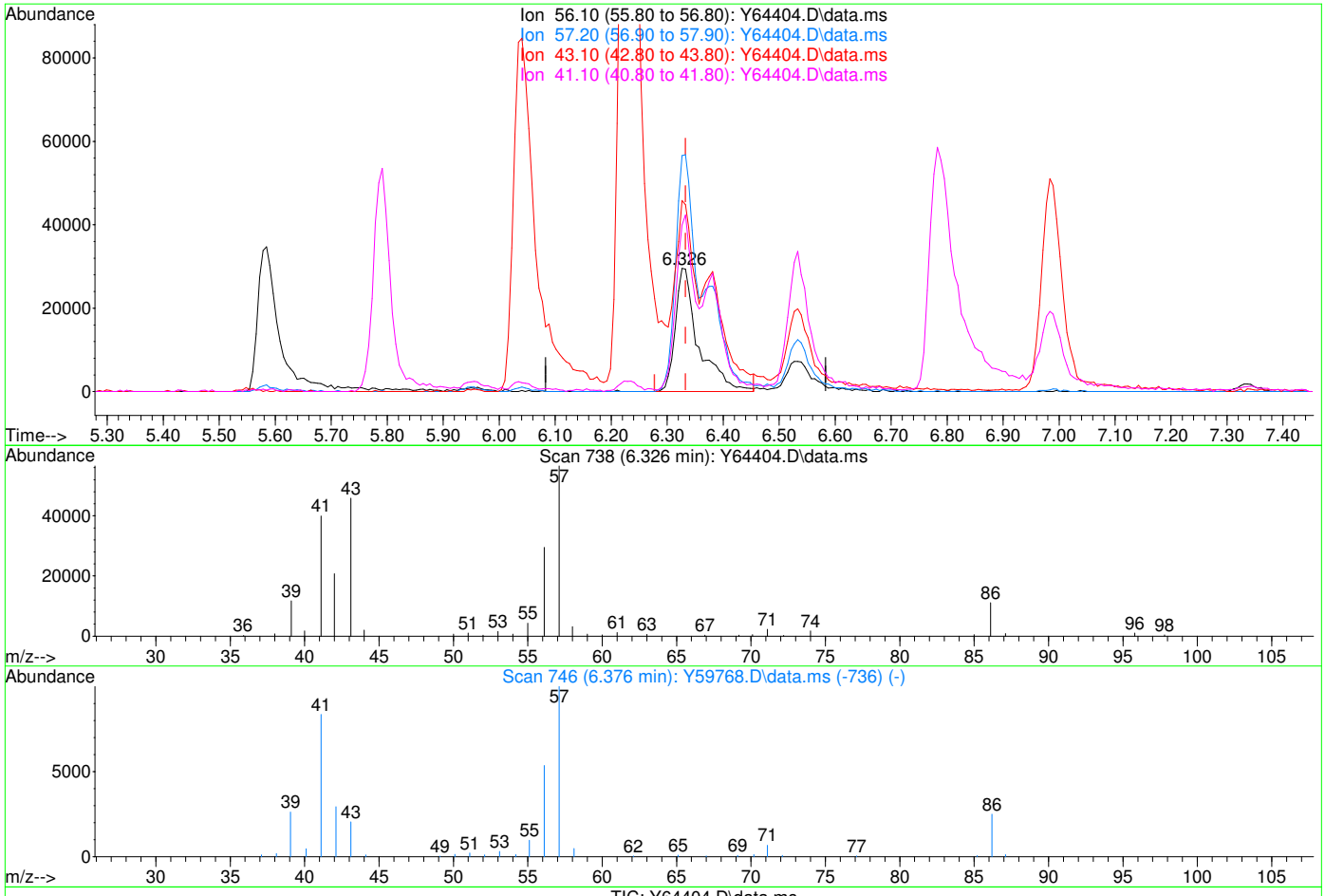
Sample Number: FA98456-3MSD
Lab FileID: Y64404.D
Injection Time: 09/01/22 21:53
Method: SW846 8260D
Analyst approved: 09/02/22 09:08 Jo-Ann Lugo De Jesus
Supervisor approved: 09/02/22 11:07 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.37	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64404.D
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98456-3MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 02:12:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



TIC: Y64404.D\data.ms

(22) Hexane

6.326min (-0.007) 35.38ug/L

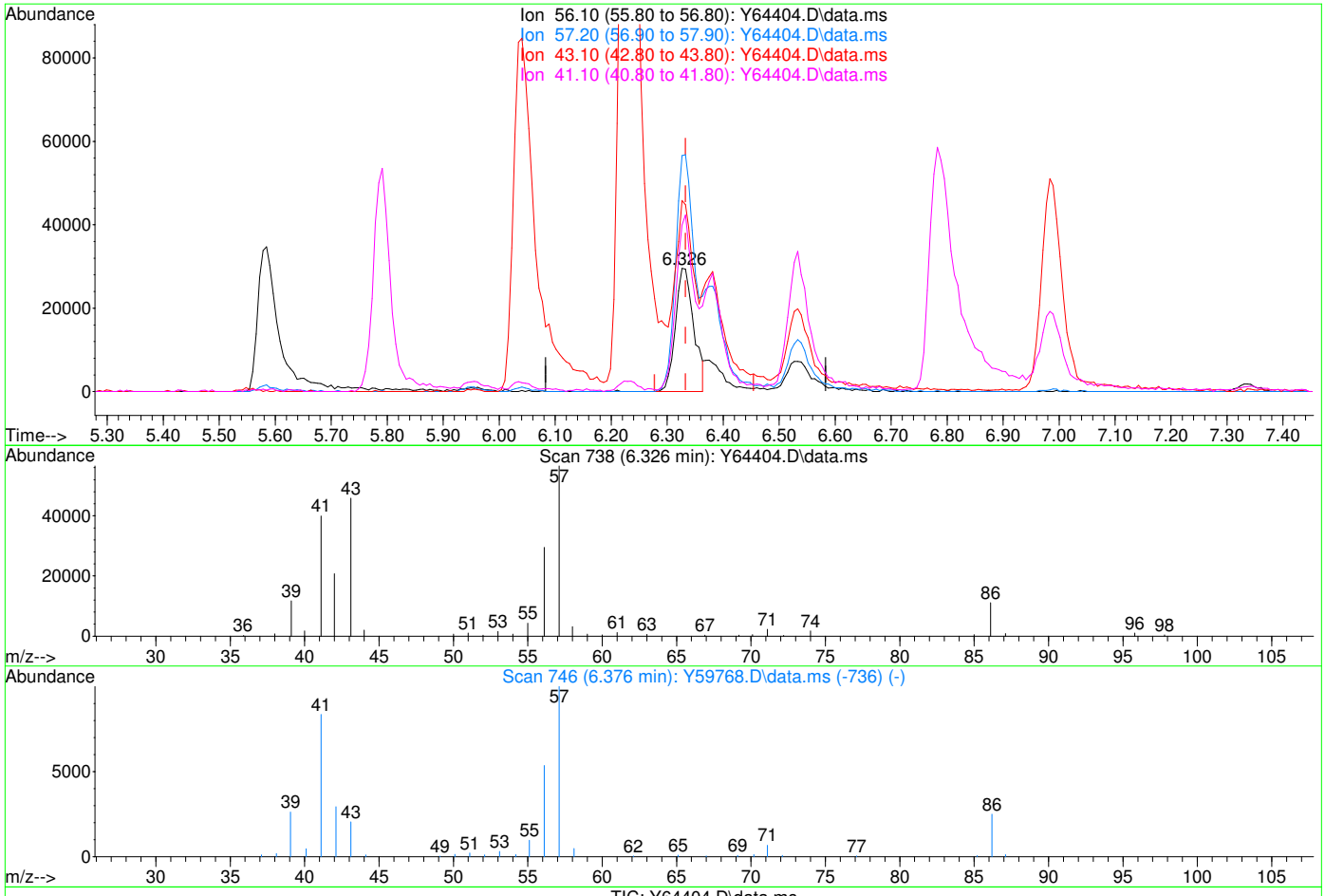
response 84919

Ion	Exp%	Act%
56.10	100	100
57.20	192.30	191.66
43.10	151.00	140.76
41.10	129.70	133.54

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64404.D
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98456-3MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 02:12:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



TIC: Y64404.D\data.ms

(22) Hexane

6.326min (-0.007) 27.91ug/L m

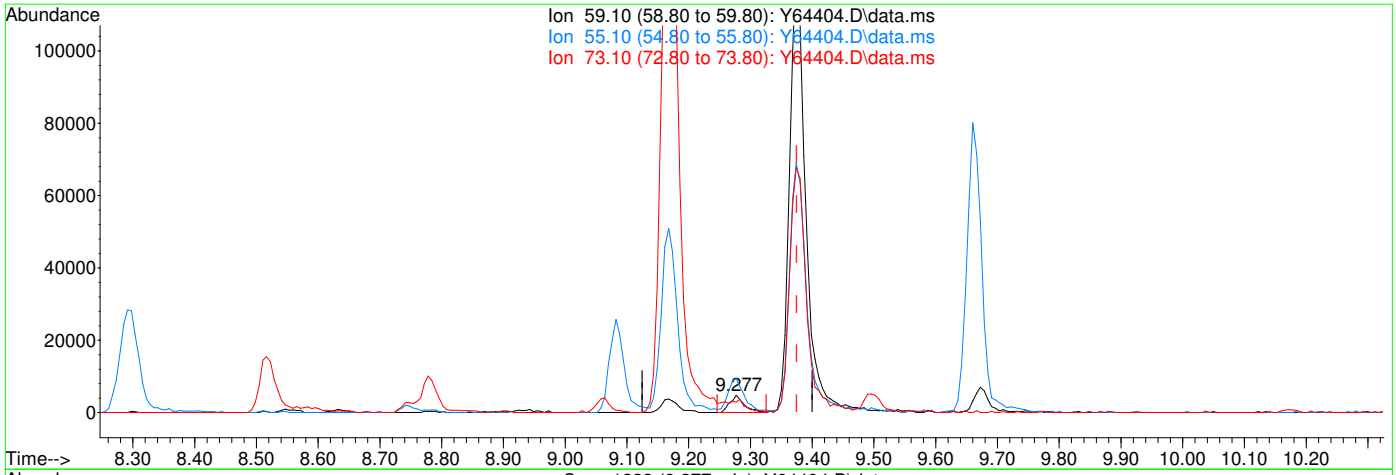
response 66994

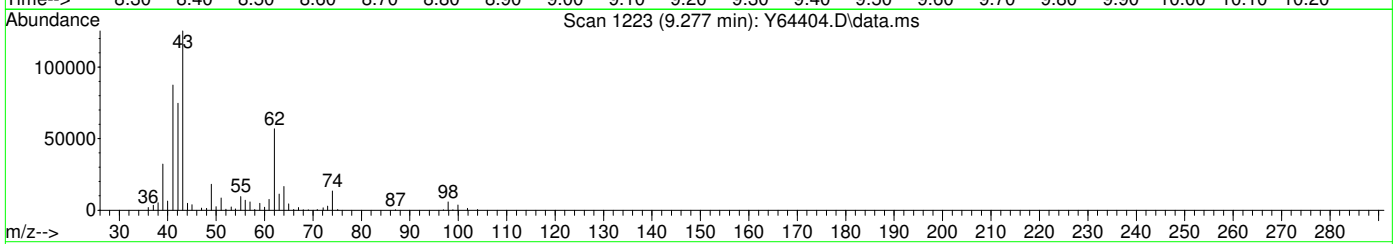
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	191.66
43.10	151.00	155.17
41.10	129.70	135.24

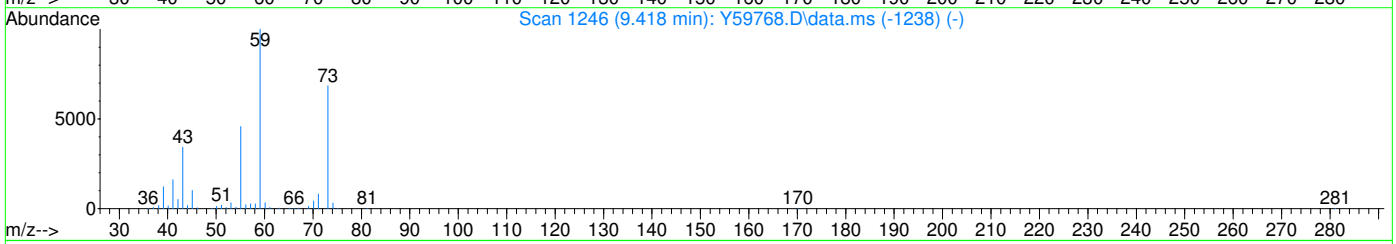
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64404.D
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98456-3MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 02:12:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64404.D\data.ms

(52) Tert Amyl Alcohol

9.277min (-0.098) 9.67ug/L

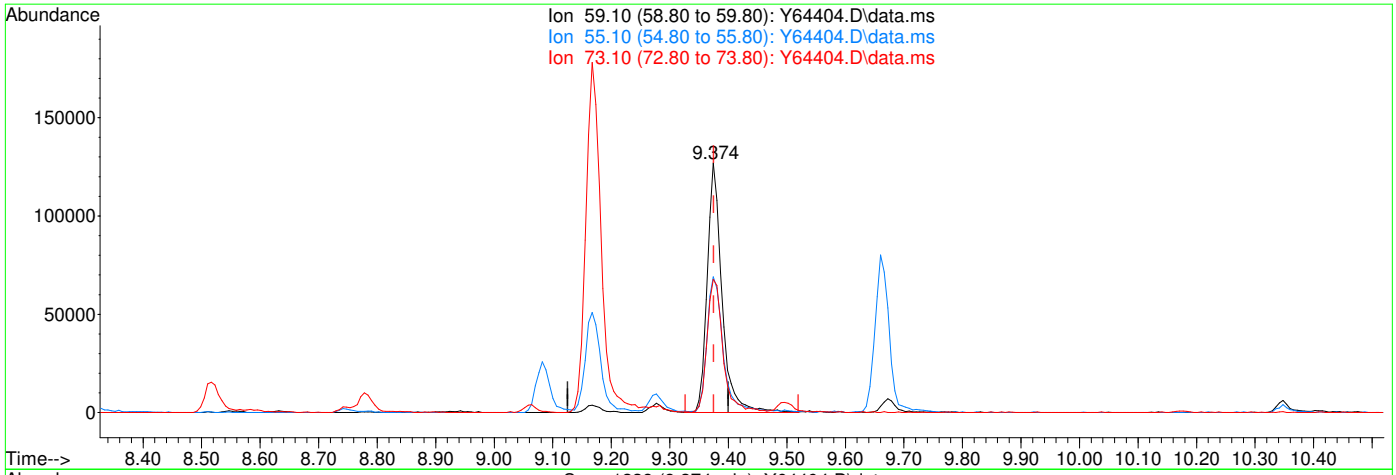
response 7749

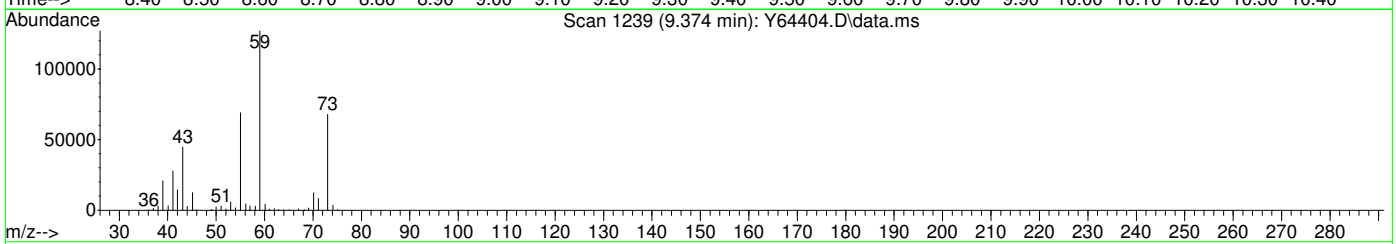
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	182.56#
73.10	59.00	53.60
0.00	0.00	0.00

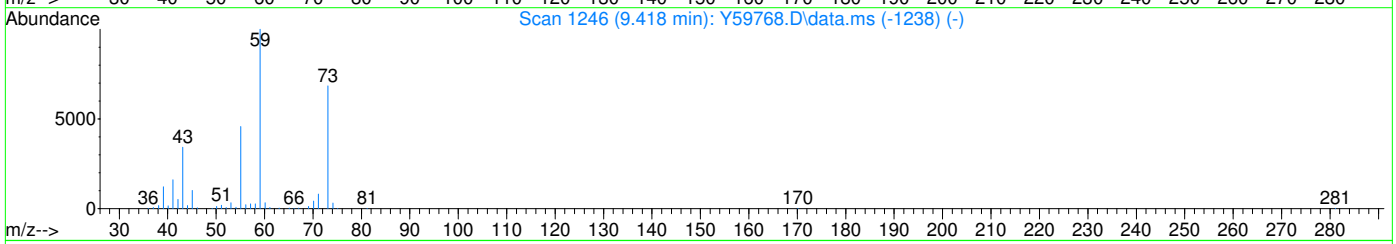
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64404.D
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98456-3MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 02:12:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64404.D\data.ms

(52) Tert Amyl Alcohol

9.374min (-0.001) 250.25ug/L m

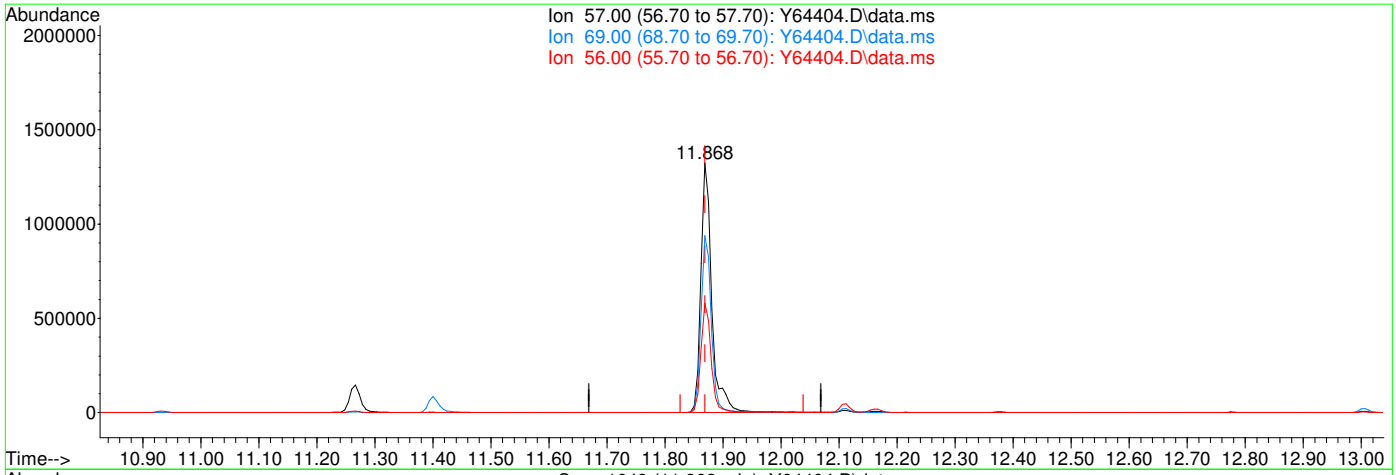
response 224990

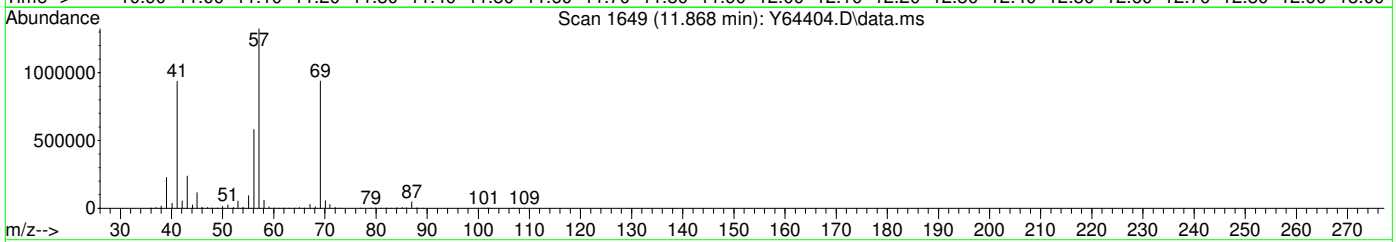
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	54.36
73.10	59.00	53.37
0.00	0.00	0.00

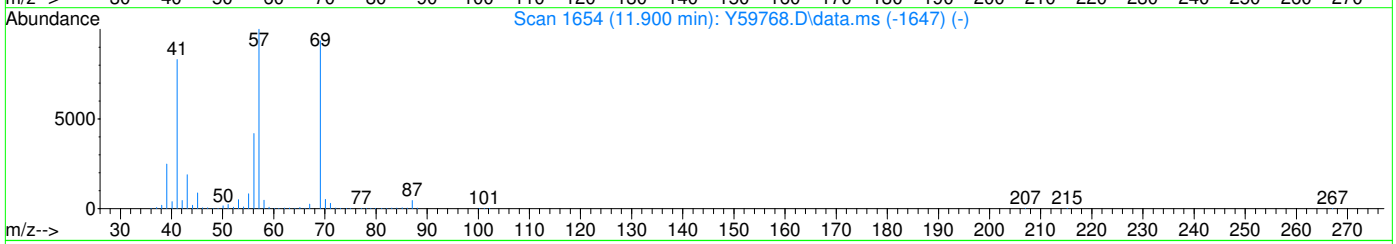
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64404.D
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98456-3MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 02:12:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64404.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.868min (-0.001) 1175.58ug/L

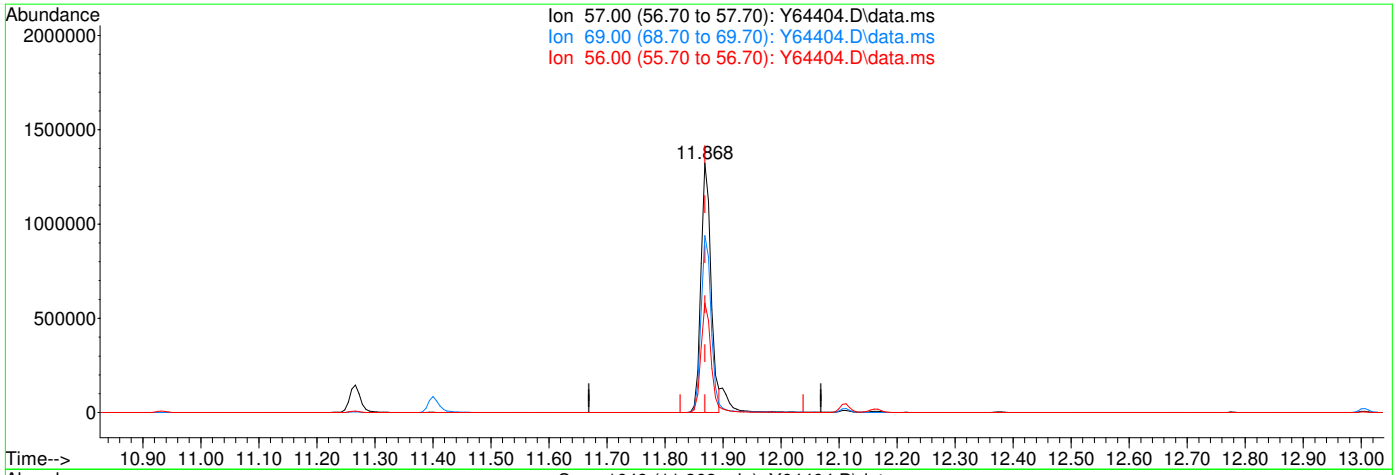
response 1743087

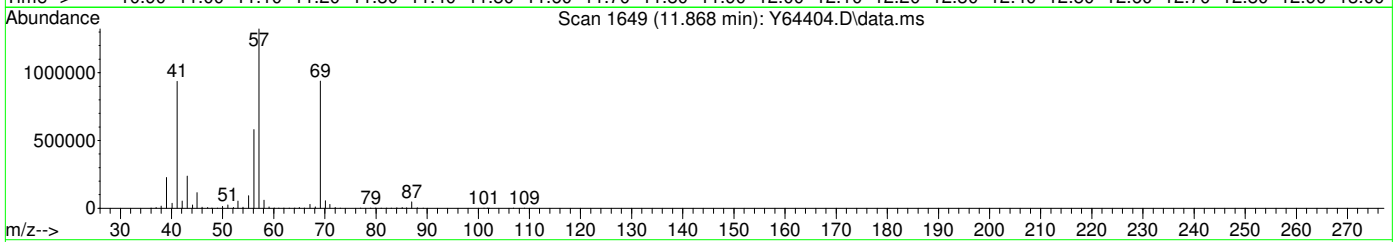
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	70.83
56.00	42.20	43.78
0.00	0.00	0.00

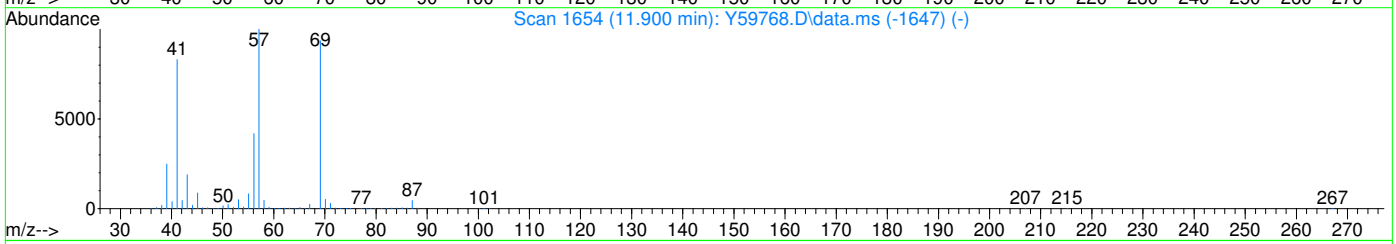
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64404.D
Acq On : 1 Sep 2022 9:53 pm
Operator : joannel
Sample : FA98456-3MSD
Misc : MS52308,VY2669,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 02 02:12:10 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64404.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.868min (-0.001) 1083.19ug/L m

response 1593001

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	70.83
56.00	42.20	43.78
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 22:17:07 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1311919	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1106839	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	584016	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	366967	49.55	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.10%		
50) 1,2-Dichloroethane-d4	8.549	65	368774	48.40	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	96.80%		
63) Toluene-d8	10.427	98	1327668	47.84	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	95.68%		
86) 4-Bromofluorobenzene	13.207	174	454318	48.58	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	97.16%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	108287	23.11	ug/L	97
3) Chloromethane	3.196	50	130191	24.90	ug/L	100
4) 1,3-butadiene	3.379	39	118210	24.09	ug/L	99
5) Vinyl Chloride	3.349	62	151976	25.91	ug/L	97
6) Bromomethane	3.903	94	45806	15.66	ug/L	96
7) Chloroethane	4.105	64	107871	27.64	ug/L	96
8) Trichlorofluoromethane	4.330	101	237355	25.51	ug/L	97
9) Ethyl Ether	4.800	59	85164	20.57	ug/L	94
10) Ethanol	5.019	45	12095m	265.49	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	153730	28.74	ug/L	99
12) 1,1-Dichloroethene	5.086	61	177426	23.64	ug/L	99
13) Freon 113	5.141	101	116017	24.50	ug/L	96
14) Carbon Disulfide	5.129	76	246582	18.53	ug/L	100
15) Iodomethane	5.287	142	21855	8.84	ug/L	94
16) Acrolein	5.549	56	70396	69.58	ug/L	97
17) Allyl chloride	5.726	41	148507	24.14	ug/L	98
18) Methylene Chloride	5.866	49	189391	27.03	ug/L	98
19) Acetone	5.927	43	292435	193.35	ug/L	98
20) Methyl acetate	6.080	43	441892	113.27	ug/L	100
21) trans-1,2-Dichloroethene	6.074	61	171924	22.97	ug/L	98
22) Hexane	6.165	56	72164m	24.51	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	332794	25.52	ug/L	96
24) Tert Butyl Alcohol	6.299	59	93973	196.53	ug/L	90
25) Acetonitrile	6.513	41	142772m	218.81	ug/L	
26) Di-isopropyl ether	6.653	45	355830	23.23	ug/L	98
27) Chloroprene	6.805	53	162097	107.58	ug/L	99
28) 1,1-Dichloroethane	6.836	63	235930	25.53	ug/L	99
29) Acrylonitrile	6.891	52	201900	121.77	ug/L	99
30) ETBE	7.086	59	312570	21.04	ug/L	99
31) Vinyl acetate	7.110	43	1276281	125.27	ug/L	99
32) cis-1,2-Dichloroethene	7.470	96	131278	24.86	ug/L	99
33) 2,2-Dichloropropane	7.592	77	131074	18.08	ug/L	96
34) Bromochloromethane	7.695	128	70462	23.93	ug/L	95
35) Cyclohexane	7.708	56	187296	23.16	ug/L	97
36) Chloroform	7.762	83	231017	23.60	ug/L	99
37) Ethyl acetate	7.872	43	599788	120.29	ug/L	99
38) Tetrahydrofuran	7.958	42	34315	21.97	ug/L	96
40) Carbon Tetrachloride	7.933	117	173278	23.03	ug/L	96
41) 1,1,1-Trichloroethane	8.006	97	208394	24.06	ug/L	96
42) 2-Butanone	8.098	43	291595	117.28	ug/L	100
43) 1,1-Dichloropropene	8.140	75	163553	22.89	ug/L	98
44) tert-Butyl formate	8.244	59	313498	91.03	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 22:17:07 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	8.421	54	167251	207.15	ug/L		98
46) Methacrylonitrile	8.445	41	859726	227.24	ug/L		98
47) Benzene	8.409	78	486090	23.52	ug/L		98
48) TAME	8.494	73	388342	31.18	ug/L		97
49) Isobutyl alcohol	8.567	43	70895	431.43	ug/L		96
51) 1,2-Dichloroethane	8.622	62	184220	22.99	ug/L		98
52) Tert Amyl Alcohol	8.677	59	64031	199.48	ug/L		88
53) Trichloroethene	9.018	95	138541	25.17	ug/L		96
54) Methylcyclohexane	9.012	83	165598	25.95	ug/L		98
55) Dibromomethane	9.457	93	79227	22.57	ug/L		97
56) 1,2-Dichloropropane	9.555	63	118526	23.06	ug/L		98
57) Bromodichloromethane	9.604	83	151251	23.15	ug/L		99
58) Methyl methacrylate	9.725	41	86716	20.94	ug/L		97
59) 1,4-Dioxane	9.805	88	22565	503.60	ug/L		95
60) 2-Chloroethyl vinyl ether	10.146	63	400294	117.33	ug/L		98
61) cis-1,3-Dichloropropene	10.238	75	158753	21.68	ug/L		97
64) Toluene	10.481	91	521375	21.85	ug/L		98
65) 2-Nitropropane	10.713	41	127412	89.71	ug/L		96
66) 4-Methyl-2-pentanone	10.829	43	643785	114.19	ug/L		99
67) trans-1,3-Dichloropropene	10.884	75	150069	21.84	ug/L		85
68) Tetrachloroethene	10.878	166	165366	23.25	ug/L		98
69) Ethyl methacrylate	10.994	69	124107	19.48	ug/L		98
70) 1,1,2-Trichloroethane	11.048	83	96485	22.38	ug/L		96
71) Dibromochloromethane	11.243	129	120316	20.23	ug/L		99
72) 1,3-Dichloropropane	11.335	76	178574	20.00	ug/L		99
73) 1,2-Dibromoethane	11.506	107	114528	20.71	ug/L		100
74) 3,3-dimethyl-1-butanol	11.597	57	513676	1358.65	ug/L		99
75) 2-hexanone	11.652	43	449862	118.31	ug/L		99
76) 1-Chlorohexane	11.945	91	149638m	22.90	ug/L		
77) Ethylbenzene	12.006	91	590325	21.57	ug/L		98
78) Chlorobenzene	12.012	112	361403	22.18	ug/L		99
79) 1,1,1,2-Tetrachloroethane	12.060	131	125118	22.16	ug/L		99
80) m,p-Xylene	12.146	91	897482	43.44	ug/L		98
81) o-Xylene	12.591	91	428277	21.45	ug/L		98
82) Styrene	12.640	104	307151	21.96	ug/L		100
83) Bromoform	12.701	173	72340	20.26	ug/L		98
84) Isopropylbenzene	12.890	105	535600	22.05	ug/L		99
87) cis-1,4-Dichloro-2-butene	13.249	53	31837	16.50	ug/L		88
88) n-Propylbenzene	13.310	91	610547	21.07	ug/L		100
89) Bromobenzene	13.335	156	150061	20.35	ug/L		97
90) 1,1,2,2-Tetrachloroethane	13.377	83	153248	21.12	ug/L		100
91) 1,3,5-Trimethylbenzene	13.493	105	428851	20.73	ug/L		98
92) 2-Chlorotoluene	13.670	91	373793	20.85	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.566	53	25363	13.70	ug/L	#	81
94) 1,2,3-Trichloropropane	13.542	110	45677	19.71	ug/L		97
95) Cyclohexanone	13.621	55	20081	116.68	ug/L		98
96) 4-Chlorotoluene	13.670	91	373793	20.85	ug/L		99
97) tert-Butylbenzene	13.834	91	229988	20.71	ug/L		98
99) 1,2,4-Trimethylbenzene	13.902	105	430629	21.49	ug/L		99
100) Pentachloroethane	13.889	167	75853	20.16	ug/L		99
101) sec-Butylbenzene	14.017	105	499063	22.53	ug/L		99
102) 4-Isopropyltoluene	14.151	119	431515	22.23	ug/L		98
103) 1,3-Dichlorobenzene	14.286	146	275924	21.51	ug/L		99
104) 1,2,3-Trimethylbenzene	14.359	105	464870	21.88	ug/L		98
105) 1,4-Dichlorobenzene	14.371	146	290551	22.19	ug/L		99
106) n-Butylbenzene	14.578	92	187086	19.42	ug/L		99
107) Benzyl Chloride	14.603	126	18636	9.54	ug/L	#	64
108) 1,2-Dichlorobenzene	14.792	146	260232	21.32	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 22:17:07 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

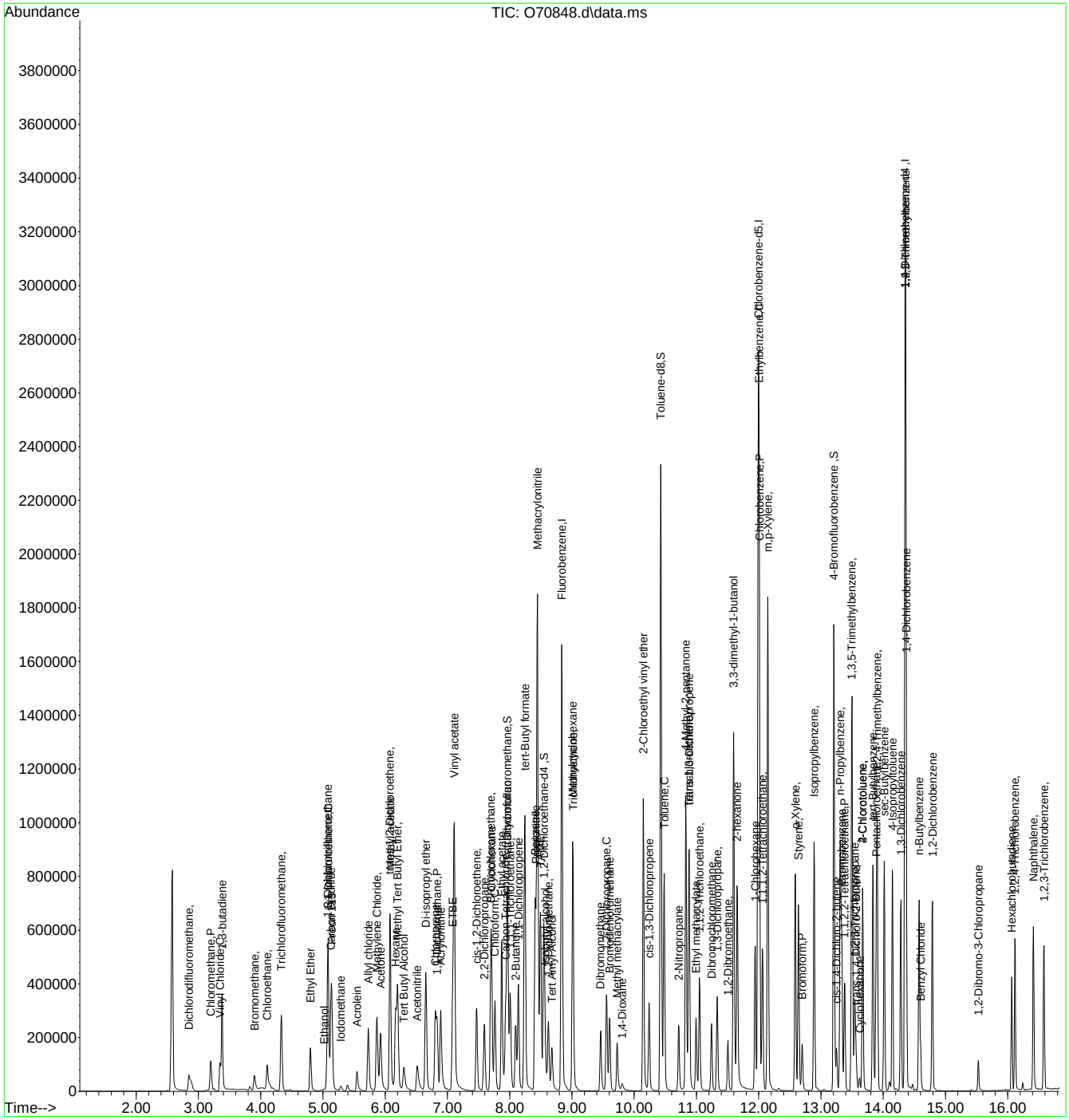
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	15.529	75	20213	17.61	ug/L	98
110) Hexachlorobutadiene	16.066	225	61024	21.88	ug/L	98
111) 1,2,4-Trichlorobenzene	16.114	180	149066	20.26	ug/L	97
112) Naphthalene	16.413	128	391214	20.80	ug/L	99
113) 1,2,3-Trichlorobenzene	16.584	180	147157	20.30	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
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Operator : joannel
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Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
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Manual Integration Approval Summary

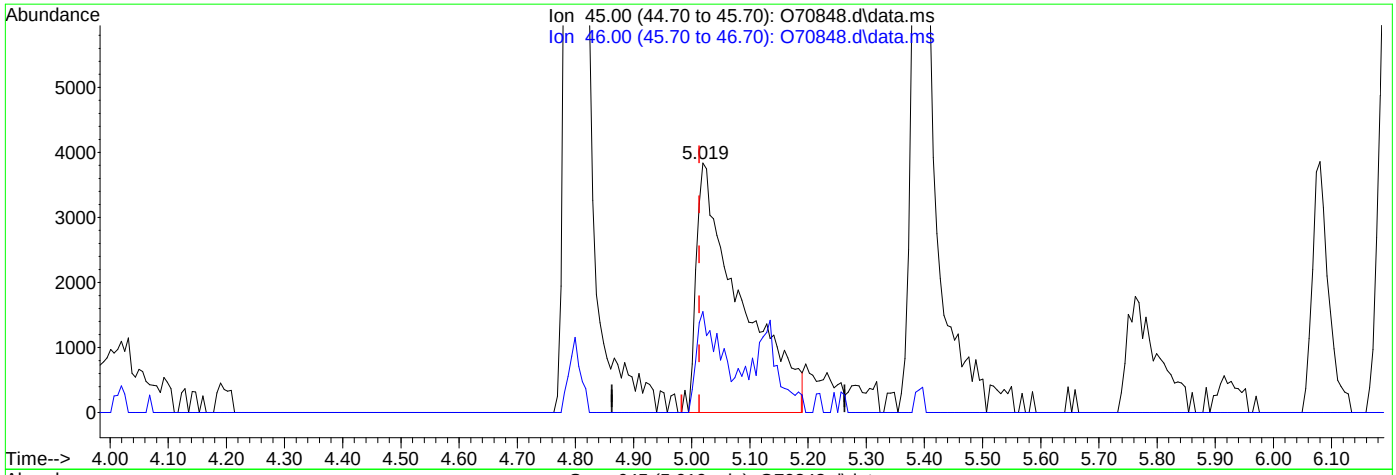
Sample Number: FA98394-2MS
Lab FileID: O70848.D
Injection Time: 09/02/22 21:30
Method: SW846 8260D
Analyst approved: 09/05/22 02:33 Antonette Clutario
Supervisor approved: 09/07/22 15:51 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.02	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 20:37:50 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



TIC: O70848.d\data.ms

(10) Ethanol

5.019min (+0.006) 439.20ug/L

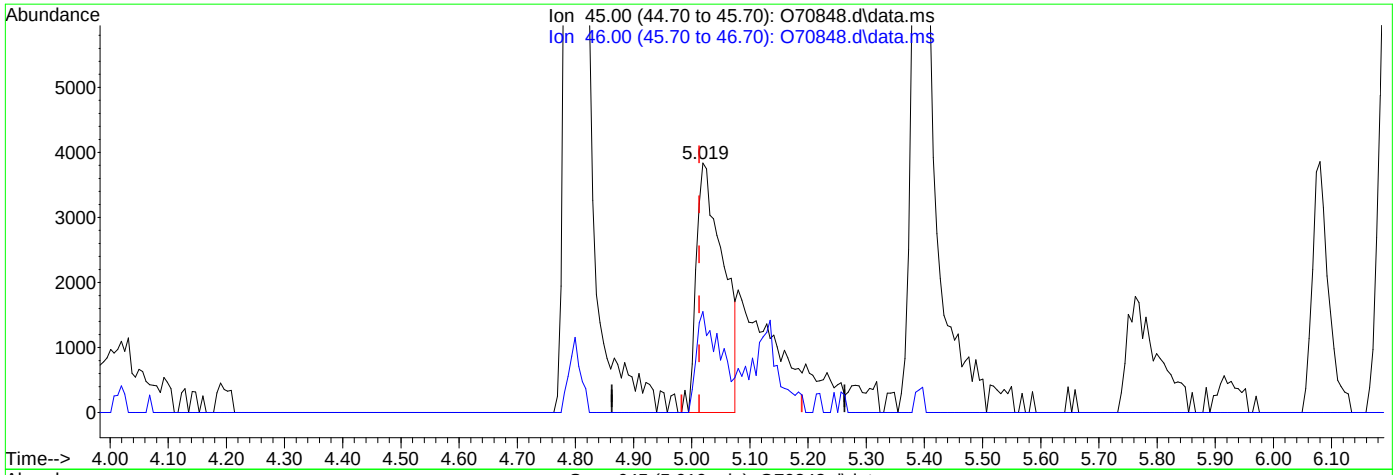
response 20172

Ion	Exp%	Act%
45.00	100	100
46.00	37.00	40.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 20:37:50 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



TIC: O70848.d\data.ms

(10) Ethanol

5.019min (+0.006) 265.49ug/L m

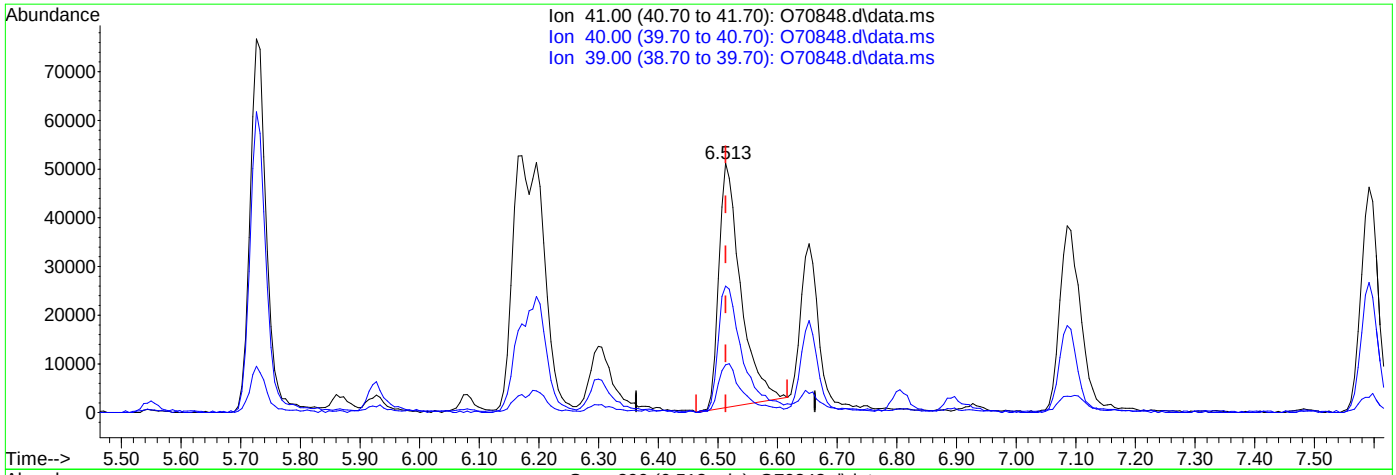
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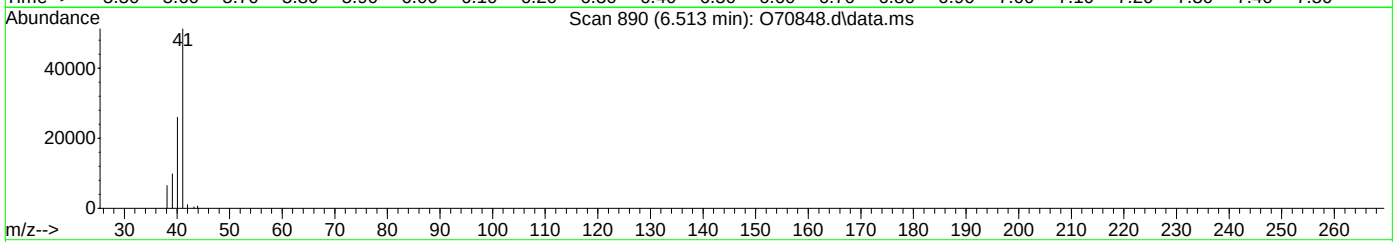
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	40.46
0.00	0.00	0.00
0.00	0.00	0.00

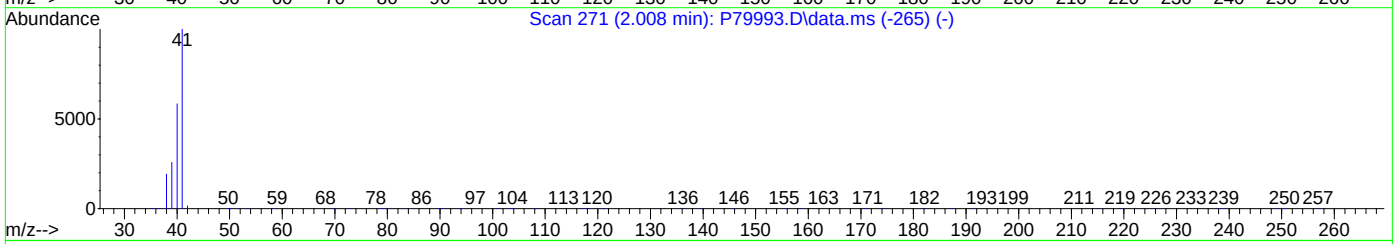
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 20:37:50 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70848.d\data.ms

(25) Acetonitrile

6.513min (-0.000) 196.72ug/L

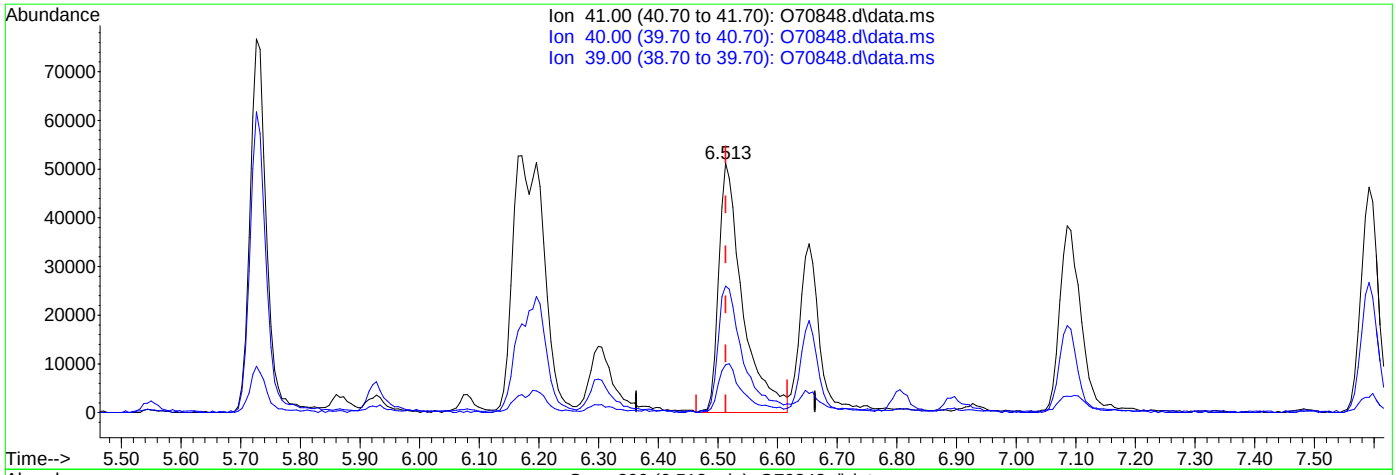
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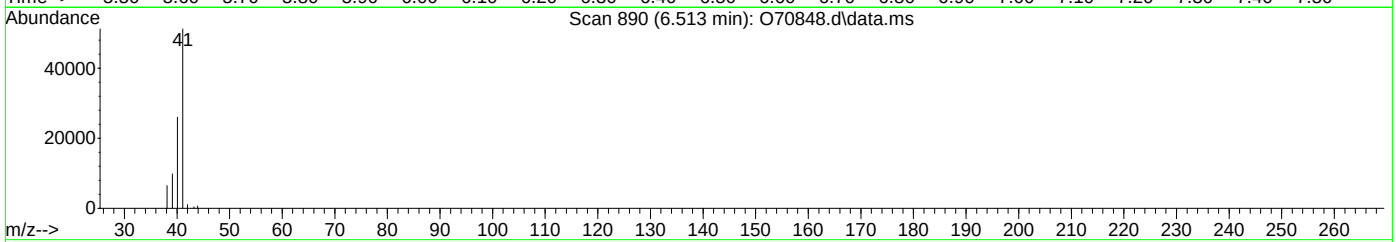
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	50.66
39.00	20.00	19.14
0.00	0.00	0.00

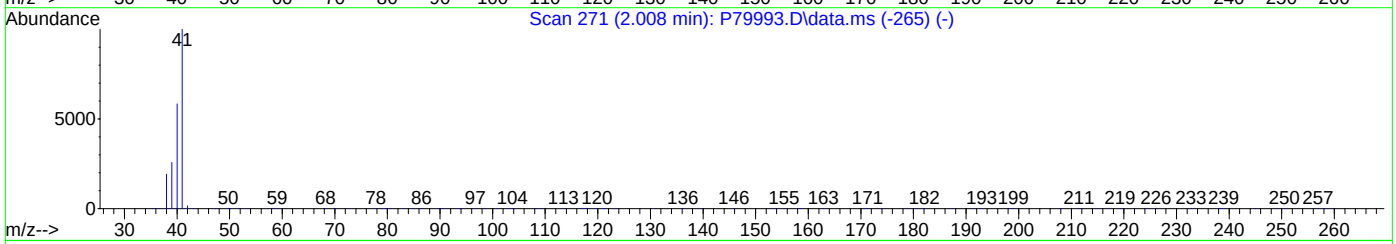
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 20:37:50 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70848.d\data.ms

(25) Acetonitrile

6.513min (-0.000) 218.81ug/L m

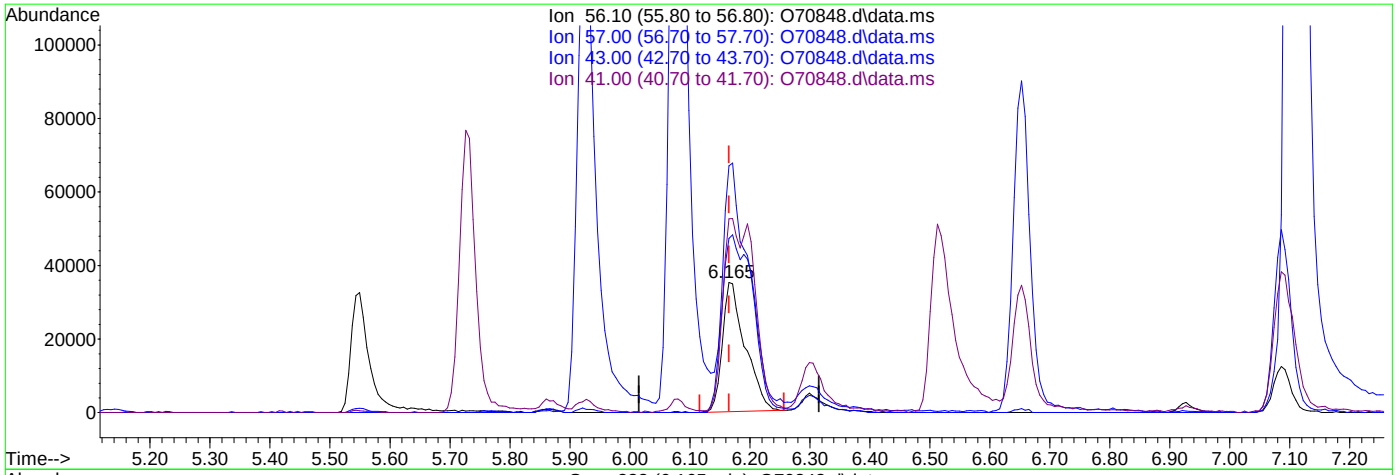
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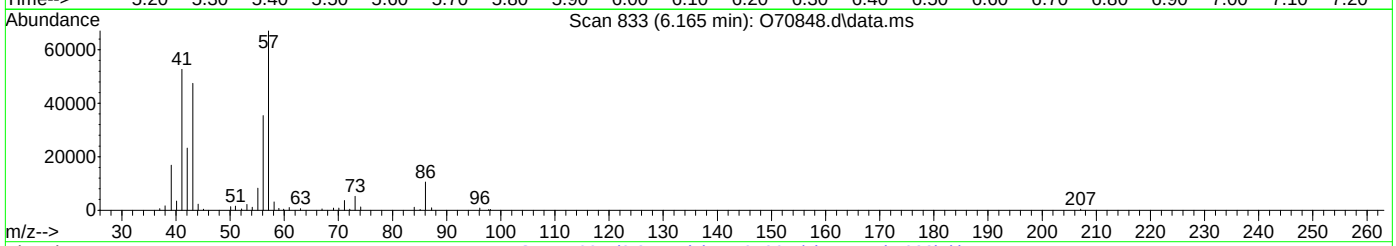
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	50.66
39.00	20.00	19.14
0.00	0.00	0.00

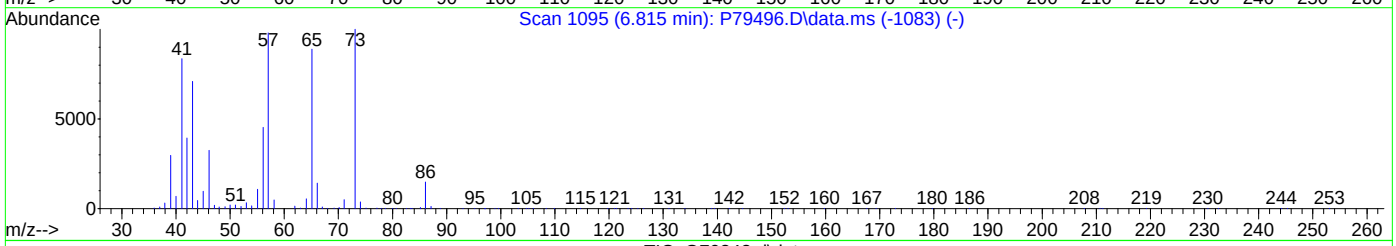
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 20:37:50 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70848.d\data.ms

(22) Hexane

6.165min (+0.000) 31.14ug/L

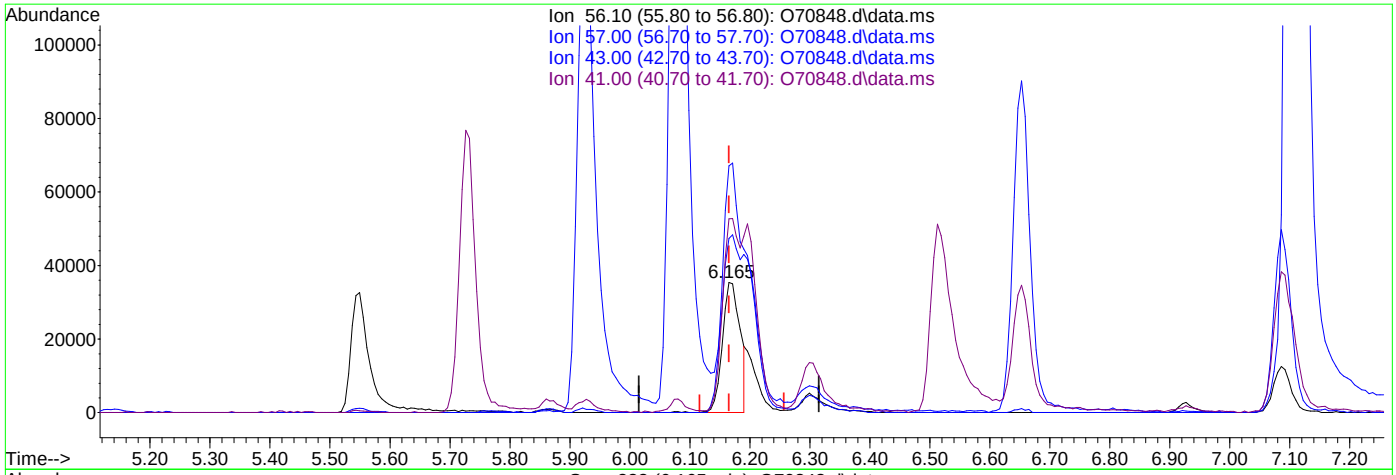
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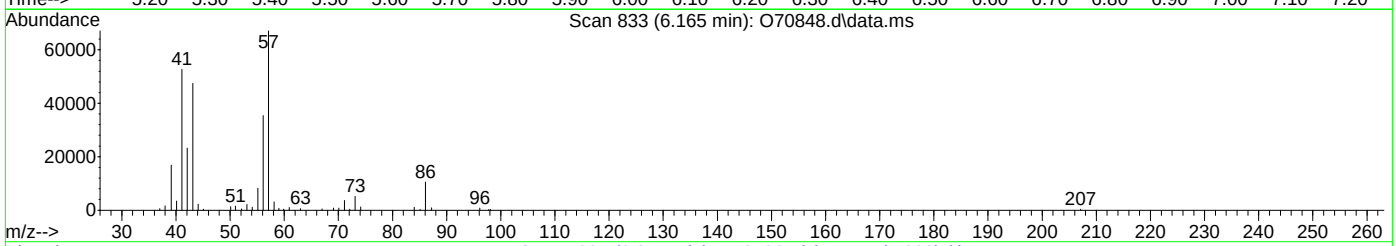
Ion	Exp%	Act%
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57.00	197.60	189.39
43.00	133.10	125.84
41.00	145.50	147.23

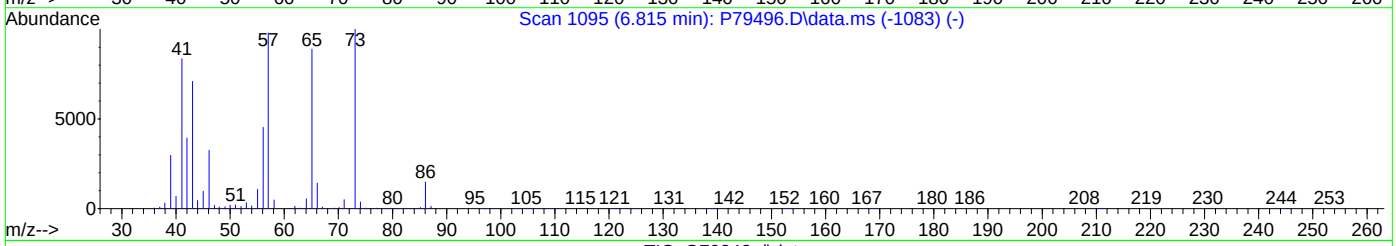
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 20:37:50 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70848.d\data.ms

(22) Hexane

6.165min (+0.000) 24.51ug/L m

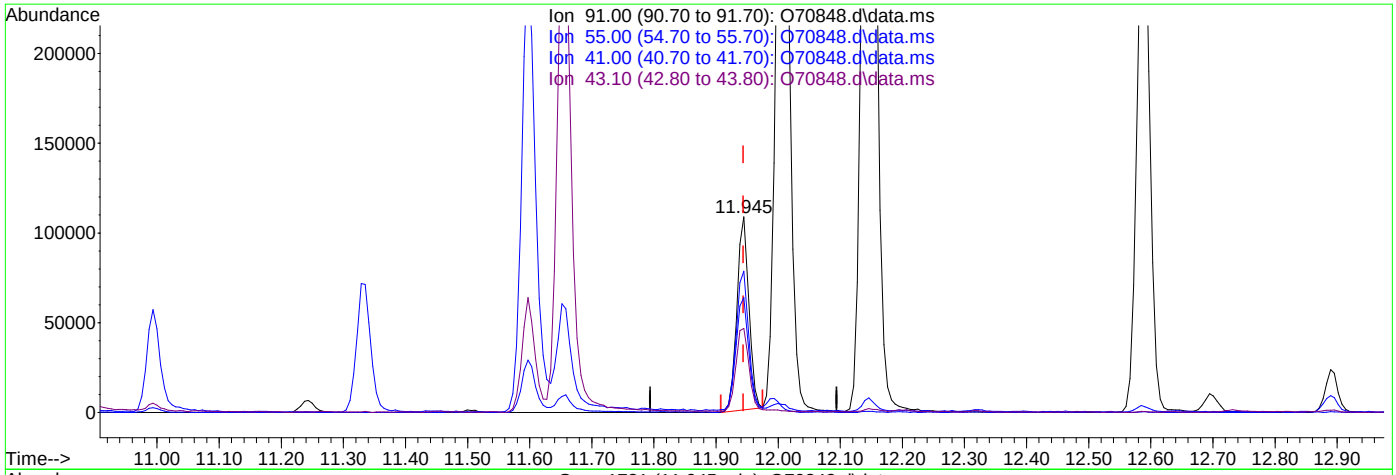
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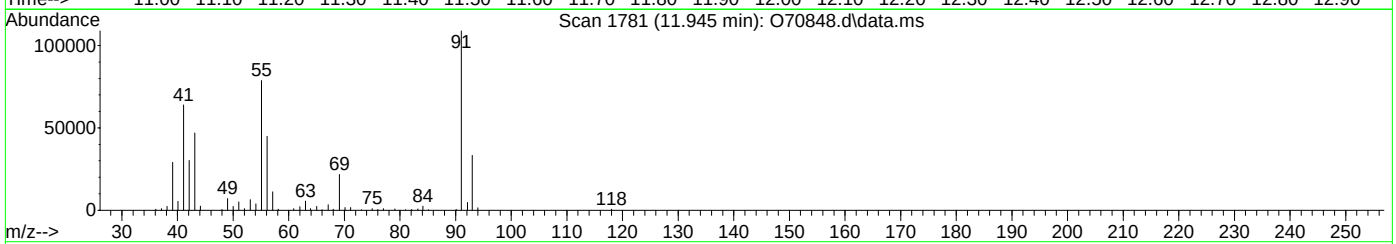
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	189.39
43.00	133.10	133.78
41.00	145.50	148.75

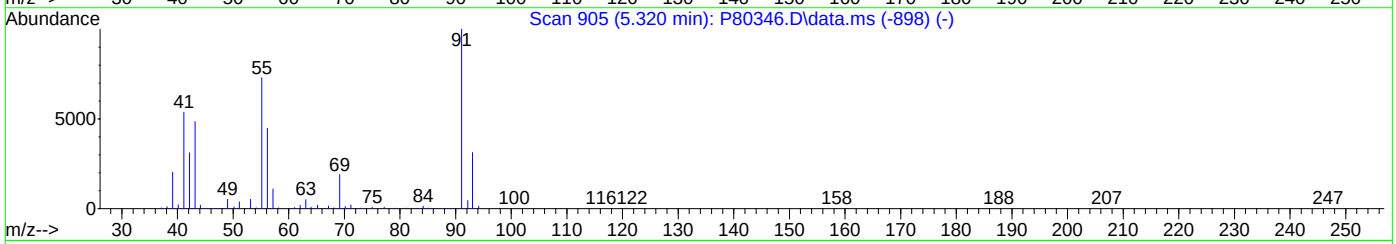
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 20:37:50 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70848.d\data.ms

(76) 1-Chlorohexane

11.945min (+0.001) 22.04ug/L

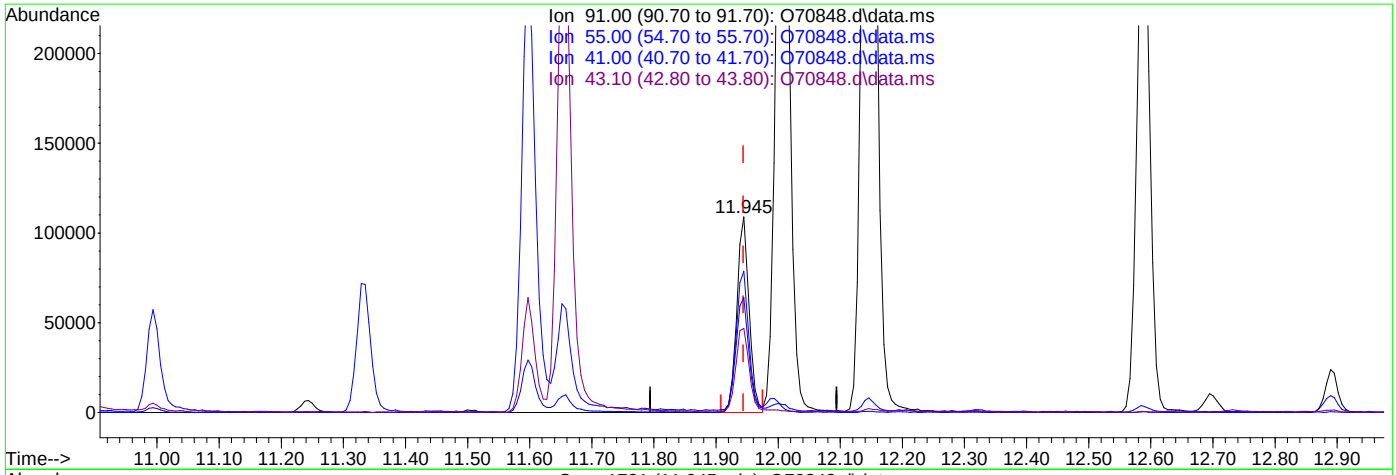
response 144014

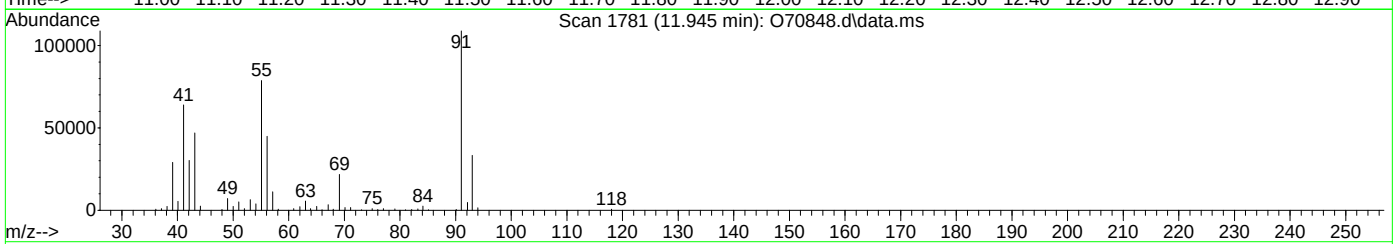
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	71.94
41.00	54.70	57.27
43.10	44.50	42.27

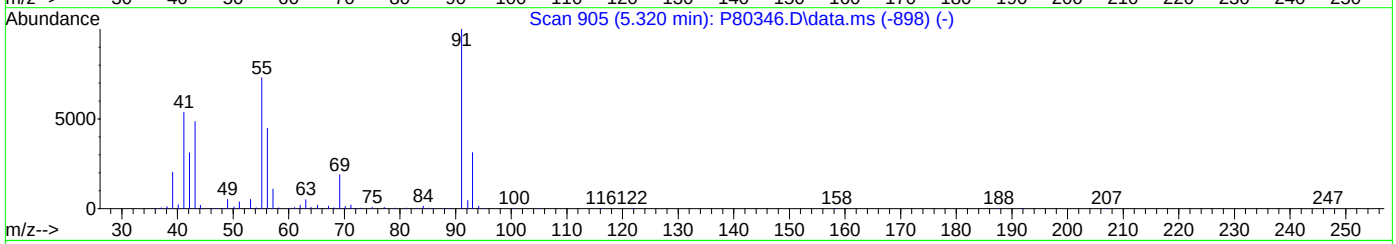
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70848.d
Acq On : 2 Sep 2022 9:30 pm
Operator : joannel
Sample : FA98394-2MS 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 20:37:50 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70848.d\data.ms

(76) 1-Chlorohexane

11.945min (+0.001) 22.90ug/L m

response 149638

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	72.27
41.00	54.70	58.74
43.10	44.50	42.99

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 22:21:49 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1350303	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1137729	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	599098	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	372825	48.91	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	97.82%		
50) 1,2-Dichloroethane-d4	8.549	65	372073	47.45	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	94.90%		
63) Toluene-d8	10.426	98	1377317	48.29	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	96.58%		
86) 4-Bromofluorobenzene	13.206	174	462691	48.23	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	96.46%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.843	85	124628	25.85	ug/L	96
3) Chloromethane	3.190	50	137822	25.62	ug/L	99
4) 1,3-butadiene	3.373	39	135627	26.89	ug/L	99
5) Vinyl Chloride	3.342	62	162056	26.85	ug/L	100
6) Bromomethane	3.891	94	55893	18.59	ug/L	98
7) Chloroethane	4.098	64	114540	28.63	ug/L	97
8) Trichlorofluoromethane	4.330	101	264056	27.57	ug/L	99
9) Ethyl Ether	4.793	59	91054	21.37	ug/L	97
10) Ethanol	5.013	45	8210m	175.83	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	171563	31.16	ug/L	98
12) 1,1-Dichloroethene	5.080	61	195204	25.27	ug/L	98
13) Freon 113	5.141	101	136896	27.98	ug/L	98
14) Carbon Disulfide	5.123	76	284722	20.72	ug/L	99
15) Iodomethane	5.287	142	36120	13.54	ug/L	97
16) Acrolein	5.543	56	75124	72.14	ug/L	99
17) Allyl chloride	5.726	41	166301	26.22	ug/L	96
18) Methylene Chloride	5.866	49	190478	26.42	ug/L	98
19) Acetone	5.921	43	305003	195.87	ug/L	100
20) Methyl acetate	6.074	43	467027	116.31	ug/L	98
21) trans-1,2-Dichloroethene	6.074	61	193015	25.06	ug/L	99
22) Hexane	6.165	56	78639m	25.91	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	356688	26.57	ug/L	98
24) Tert Butyl Alcohol	6.299	59	100590	204.39	ug/L	91
25) Acetonitrile	6.513	41	152000m	226.32	ug/L	
26) Di-isopropyl ether	6.653	45	382297	24.25	ug/L	100
27) Chloroprene	6.805	53	184985	117.65	ug/L	98
28) 1,1-Dichloroethane	6.830	63	252979	26.59	ug/L	99
29) Acrylonitrile	6.891	52	208969	122.45	ug/L	98
30) ETBE	7.086	59	334141	21.86	ug/L	99
31) Vinyl acetate	7.110	43	1335768	127.39	ug/L	99
32) cis-1,2-Dichloroethene	7.464	96	141720	26.06	ug/L	97
33) 2,2-Dichloropropane	7.592	77	148447	19.89	ug/L	97
34) Bromochloromethane	7.695	128	74009	24.42	ug/L	98
35) Cyclohexane	7.707	56	220668	26.51	ug/L	98
36) Chloroform	7.762	83	249819	24.79	ug/L	97
37) Ethyl acetate	7.872	43	626691	122.12	ug/L	99
38) Tetrahydrofuran	7.957	42	36496	22.69	ug/L	89
40) Carbon Tetrachloride	7.933	117	201760	26.06	ug/L	97
41) 1,1,1-Trichloroethane	8.006	97	237579	26.65	ug/L	97
42) 2-Butanone	8.092	43	303834	118.73	ug/L	99
43) 1,1-Dichloropropene	8.140	75	189182	25.73	ug/L	97
44) tert-Butyl formate	8.244	59	333957	94.22	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 22:21:49 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	8.421	54	179195	215.48	ug/L		99
46) Methacrylonitrile	8.445	41	904258	232.19	ug/L		99
47) Benzene	8.409	78	531043	24.97	ug/L		98
48) TAME	8.494	73	411388	32.06	ug/L		97
49) Isobutyl alcohol	8.567	43	75657	446.98	ug/L		97
51) 1,2-Dichloroethane	8.622	62	195774	23.73	ug/L		97
52) Tert Amyl Alcohol	8.677	59	68241	206.55	ug/L		88
53) Trichloroethene	9.012	95	153430	27.05	ug/L		99
54) Methylcyclohexane	9.012	83	197206	29.80	ug/L		97
55) Dibromomethane	9.463	93	82734	22.90	ug/L		96
56) 1,2-Dichloropropane	9.555	63	125282	23.68	ug/L		97
57) Bromodichloromethane	9.603	83	160436	23.86	ug/L		100
58) Methyl methacrylate	9.725	41	91489	21.44	ug/L		97
59) 1,4-Dioxane	9.811	88	23891	518.31	ug/L		97
60) 2-Chloroethyl vinyl ether	10.146	63	426995	121.43	ug/L		99
61) cis-1,3-Dichloropropene	10.237	75	170787	22.66	ug/L		98
64) Toluene	10.481	91	574959	23.44	ug/L		100
65) 2-Nitropropane	10.713	41	135933	93.11	ug/L		96
66) 4-Methyl-2-pentanone	10.829	43	672165	115.99	ug/L		99
67) trans-1,3-Dichloropropene	10.884	75	165255	23.39	ug/L		95
68) Tetrachloroethene	10.878	166	185228	25.34	ug/L		99
69) Ethyl methacrylate	10.993	69	135186	20.61	ug/L		98
70) 1,1,2-Trichloroethane	11.048	83	101815	22.98	ug/L		99
71) Dibromochloromethane	11.243	129	129838	21.24	ug/L		100
72) 1,3-Dichloropropane	11.335	76	188947	20.58	ug/L		98
73) 1,2-Dibromoethane	11.505	107	120319	21.17	ug/L		99
74) 3,3-dimethyl-1-butanol	11.597	57	538260	1382.71	ug/L		99
75) 2-hexanone	11.652	43	468574	119.89	ug/L		99
76) 1-Chlorohexane	11.944	91	176629m	26.30	ug/L		
77) Ethylbenzene	12.005	91	662984	23.56	ug/L		98
78) Chlorobenzene	12.011	112	396394	23.67	ug/L		100
79) 1,1,1,2-Tetrachloroethane	12.060	131	135637	23.38	ug/L		97
80) m,p-Xylene	12.146	91	1009282	47.53	ug/L		98
81) o-Xylene	12.585	91	489668	23.86	ug/L		100
82) Styrene	12.639	104	346030	24.06	ug/L		99
83) Bromoform	12.700	173	77288	21.06	ug/L		98
84) Isopropylbenzene	12.889	105	620992	24.87	ug/L		99
87) cis-1,4-Dichloro-2-butene	13.249	53	34449	17.37	ug/L		87
88) n-Propylbenzene	13.310	91	707415	23.80	ug/L		98
89) Bromobenzene	13.334	156	163249	21.58	ug/L		98
90) 1,1,2,2-Tetrachloroethane	13.377	83	163470	21.97	ug/L		99
91) 1,3,5-Trimethylbenzene	13.493	105	492810	23.23	ug/L		99
92) 2-Chlorotoluene	13.670	91	422288	22.96	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.566	53	30474	16.05	ug/L	#	73
94) 1,2,3-Trichloropropane	13.542	110	49853	20.97	ug/L		98
95) Cyclohexanone	13.621	55	21583	122.26	ug/L		95
96) 4-Chlorotoluene	13.670	91	422288	22.96	ug/L		99
97) tert-Butylbenzene	13.834	91	269341	23.65	ug/L		99
99) 1,2,4-Trimethylbenzene	13.901	105	490710	23.87	ug/L		98
100) Pentachloroethane	13.889	167	83242	21.53	ug/L		97
101) sec-Butylbenzene	14.017	105	579357	25.50	ug/L		99
102) 4-Isopropyltoluene	14.145	119	496367	24.93	ug/L		99
103) 1,3-Dichlorobenzene	14.285	146	306921	23.32	ug/L		98
104) 1,2,3-Trimethylbenzene	14.359	105	520094	23.87	ug/L		99
105) 1,4-Dichlorobenzene	14.371	146	324846	24.15	ug/L		99
106) n-Butylbenzene	14.578	92	214840	21.74	ug/L		99
107) Benzyl Chloride	14.602	126	20848	10.35	ug/L	#	86
108) 1,2-Dichlorobenzene	14.791	146	285500	22.80	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 22:21:49 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

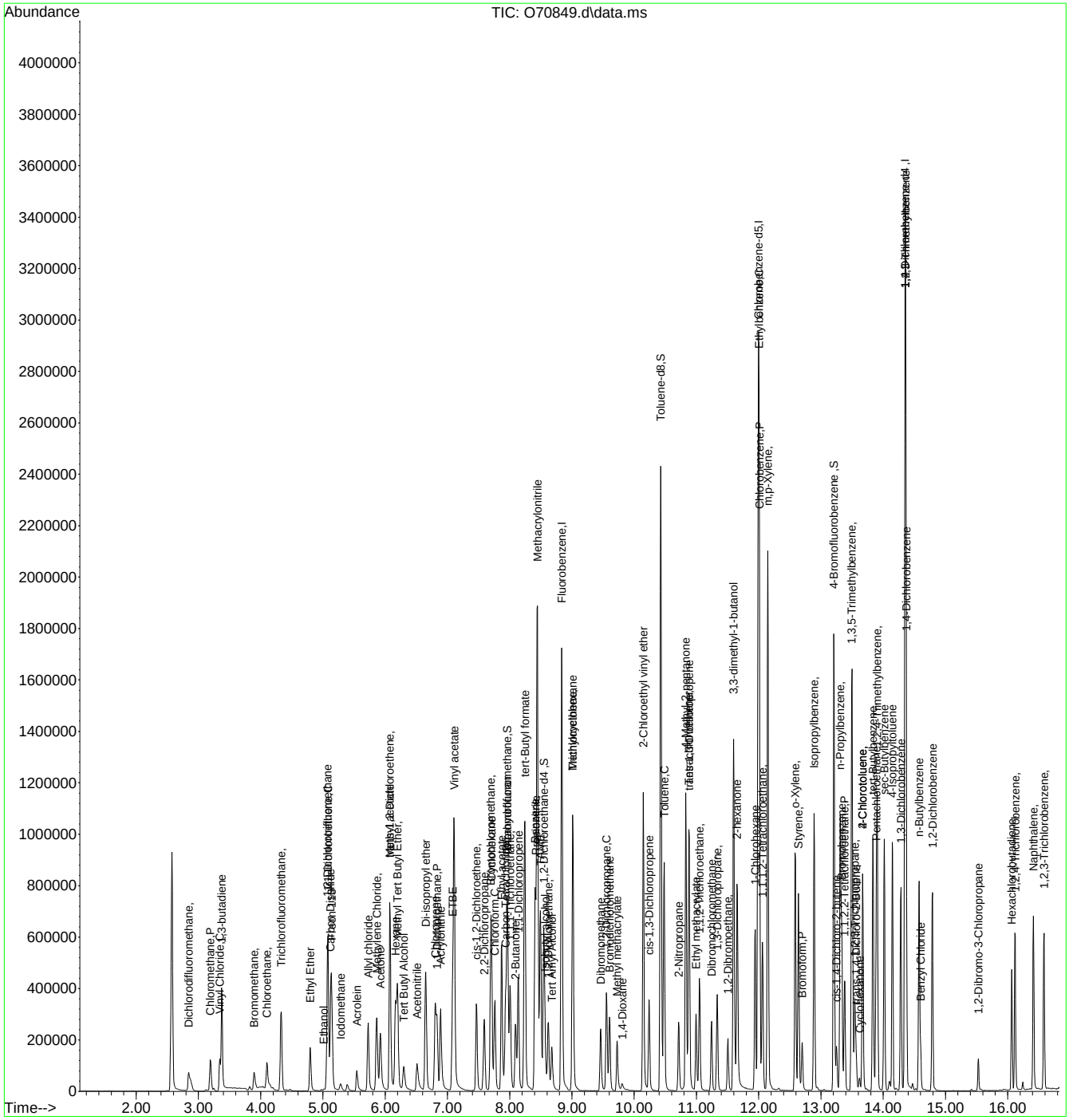
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	15.529	75	21708	18.44	ug/L	93
110) Hexachlorobutadiene	16.066	225	68132	23.83	ug/L	97
111) 1,2,4-Trichlorobenzene	16.120	180	166677	22.08	ug/L	99
112) Naphthalene	16.413	128	434226	22.46	ug/L	99
113) 1,2,3-Trichlorobenzene	16.584	180	163268	21.96	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 22:21:49 2022
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

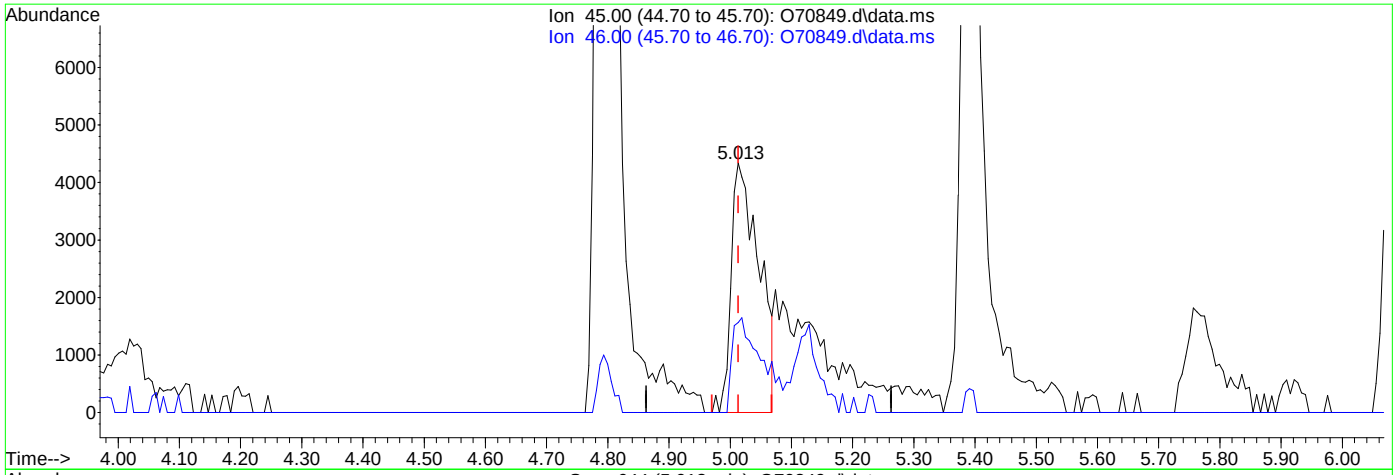
Sample Number: FA98394-2MSD
Lab FileID: O70849.D
Injection Time: 09/02/22 21:55
Method: SW846 8260D
Analyst approved: 09/05/22 02:33 Antonette Clutario
Supervisor approved: 09/07/22 15:51 Karen Watson

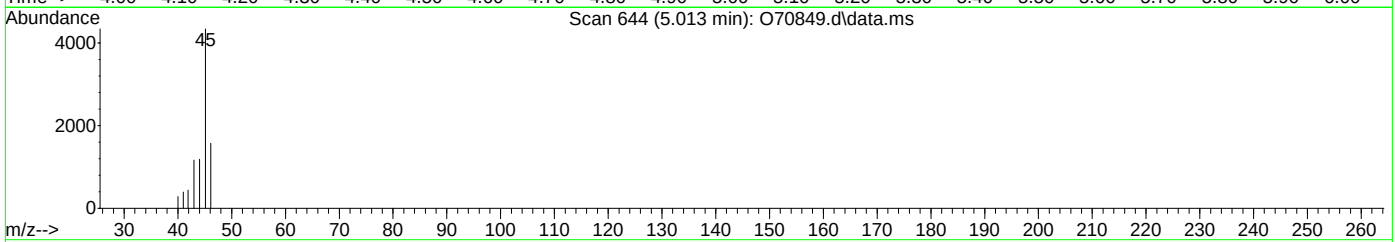
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

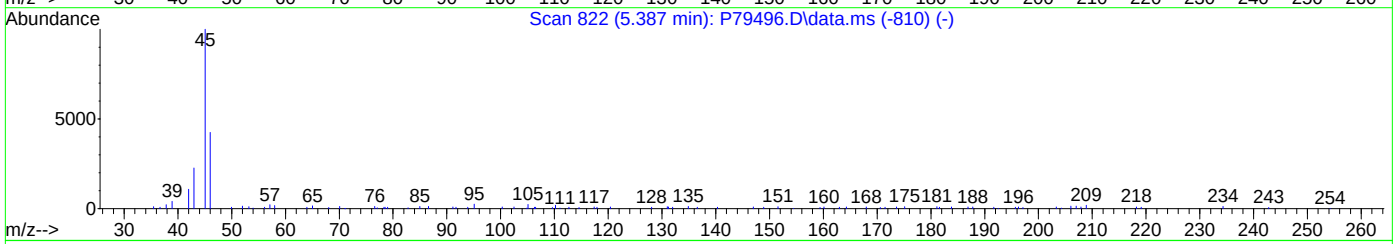
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
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Sample : FA98394-2MSD 10X
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70849.d\data.ms

(10) Ethanol

5.013min (-0.000) 291.48ug/L

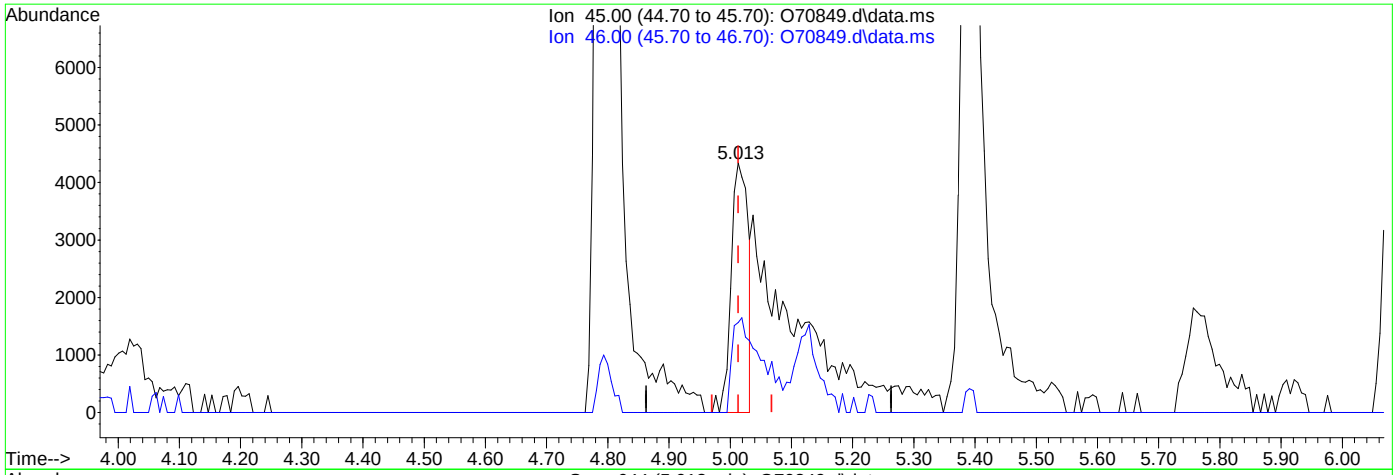
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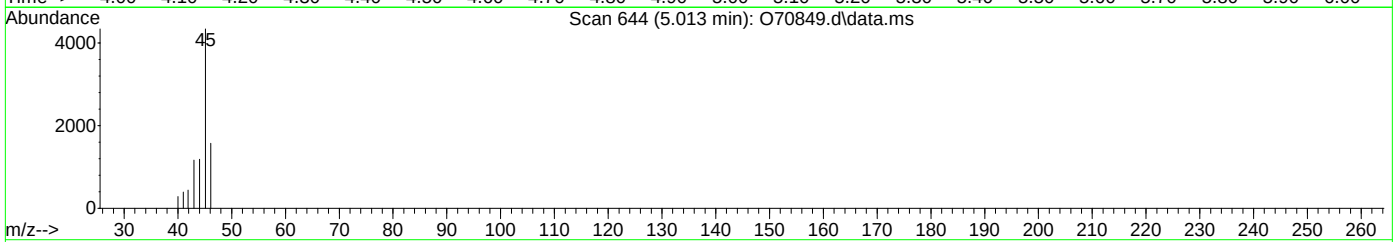
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	36.13
0.00	0.00	0.00
0.00	0.00	0.00

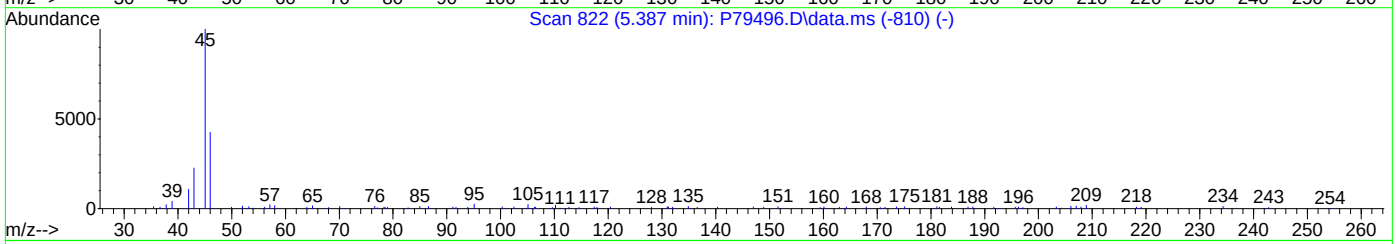
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 20:37:53 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70849.d\data.ms

(10) Ethanol

5.013min (-0.000) 175.83ug/L m

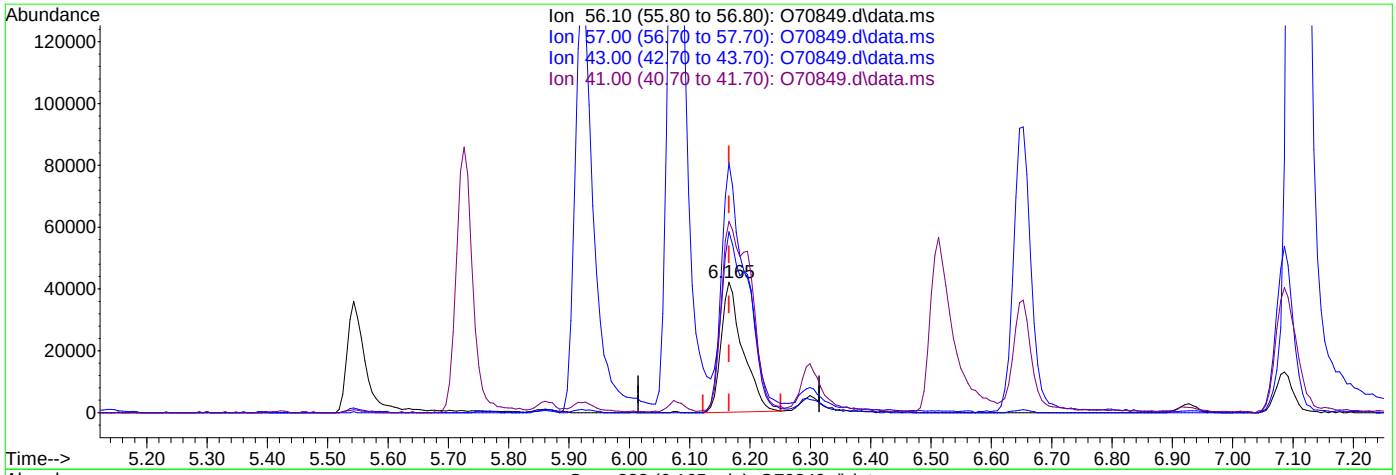
response 8210

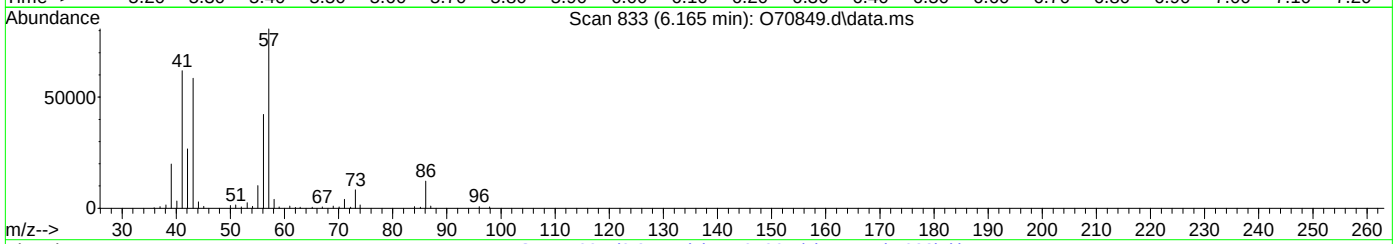
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	36.13
0.00	0.00	0.00
0.00	0.00	0.00

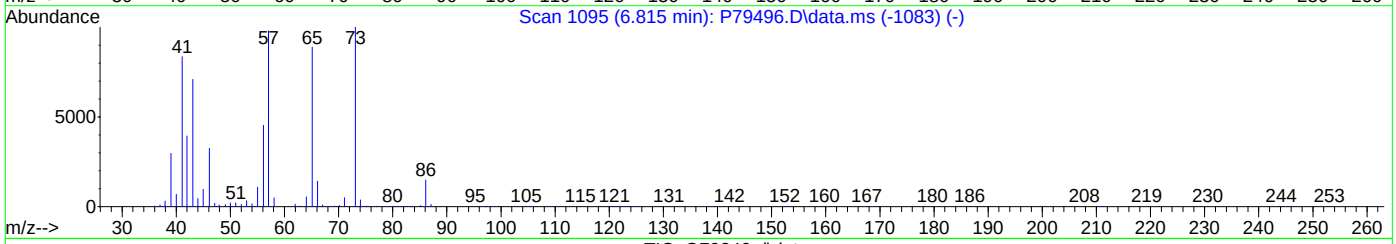
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
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Response via : Initial Calibration







TIC: O70849.d\data.ms

(22) Hexane

6.165min (+0.000) 34.03ug/L

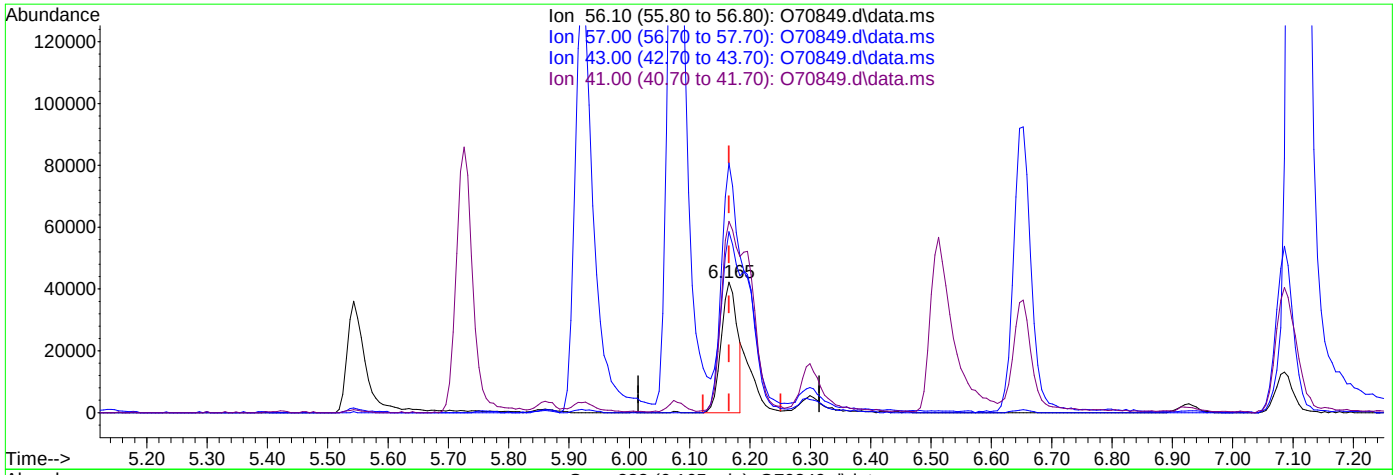
response 104333

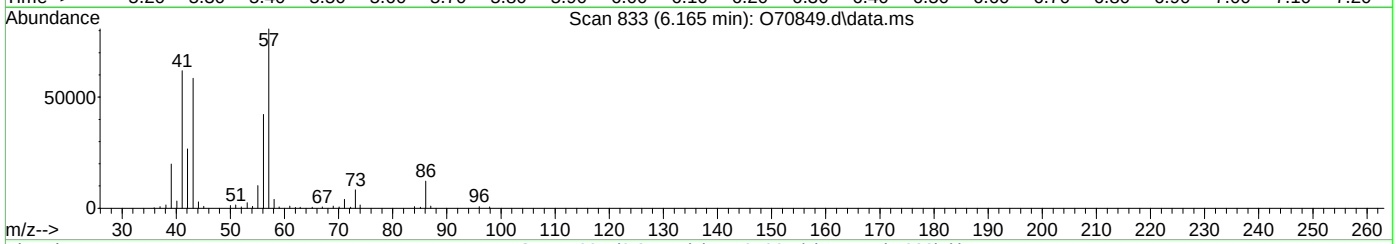
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	191.34
43.00	133.10	131.62
41.00	145.50	144.89

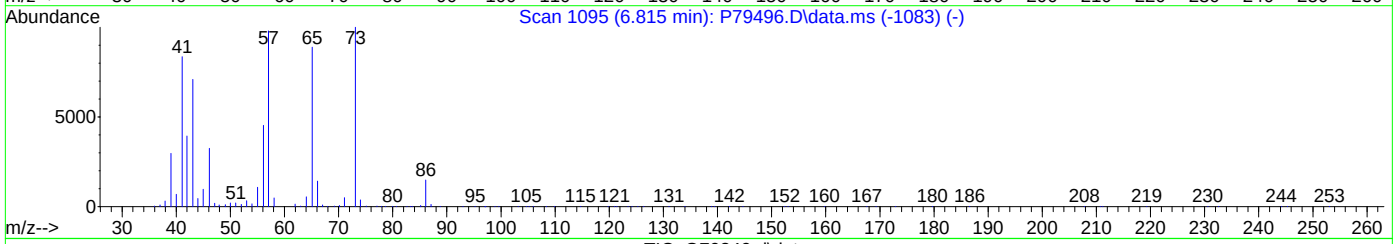
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 20:37:53 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70849.d\data.ms

(22) Hexane

6.165min (+0.000) 25.91ug/L m

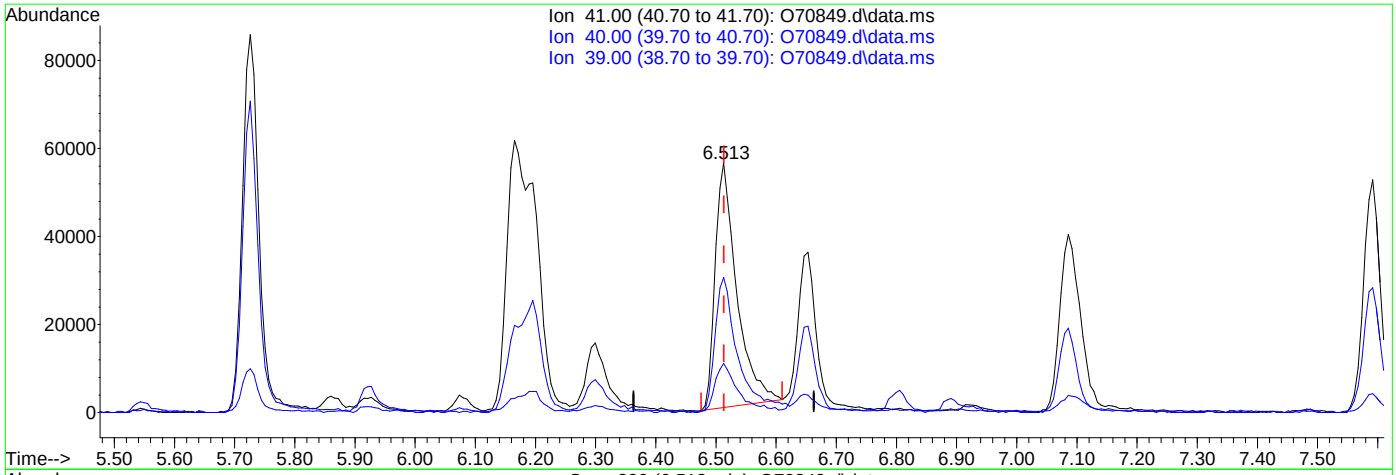
response 78639

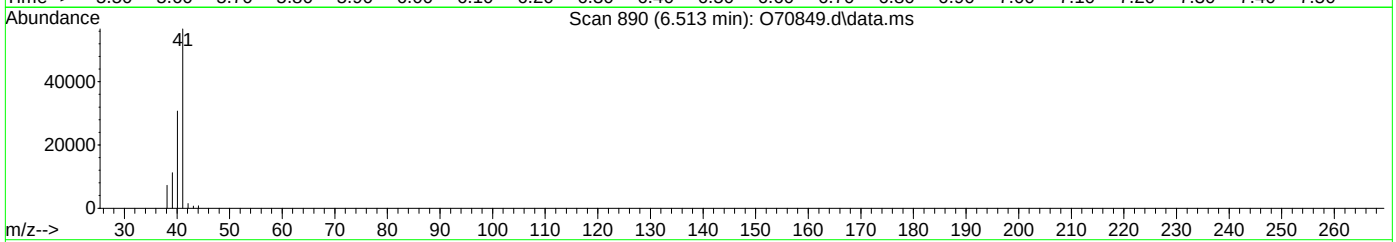
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	191.34
43.00	133.10	138.67
41.00	145.50	146.59

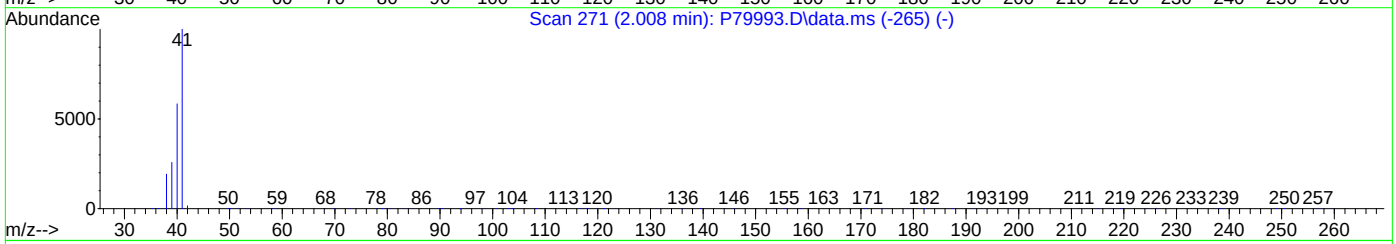
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 20:37:53 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70849.d\data.ms

(25) Acetonitrile

6.513min (-0.000) 205.79ug/L

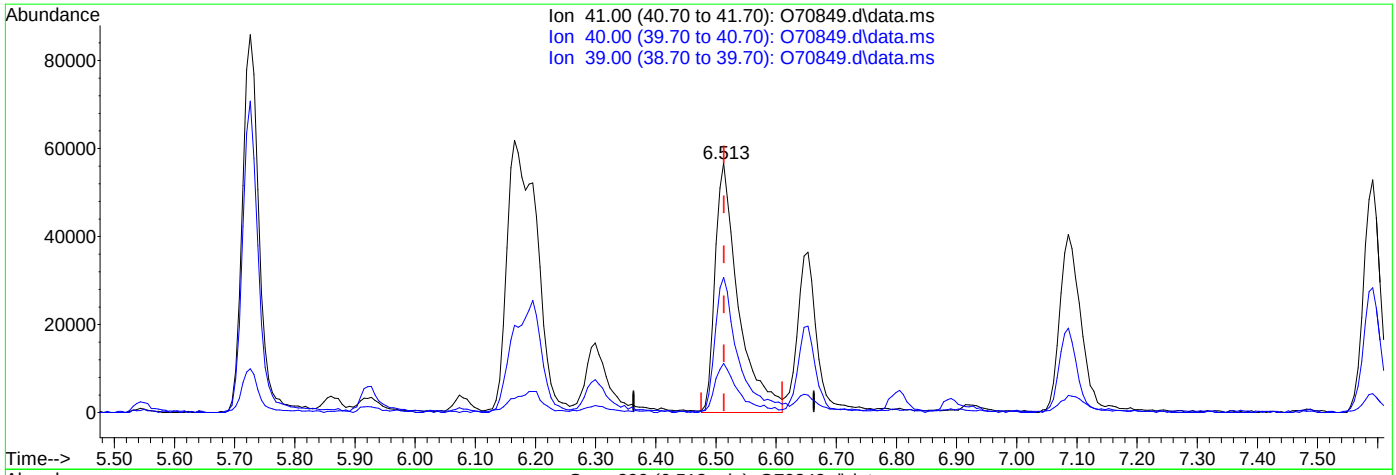
response 138194

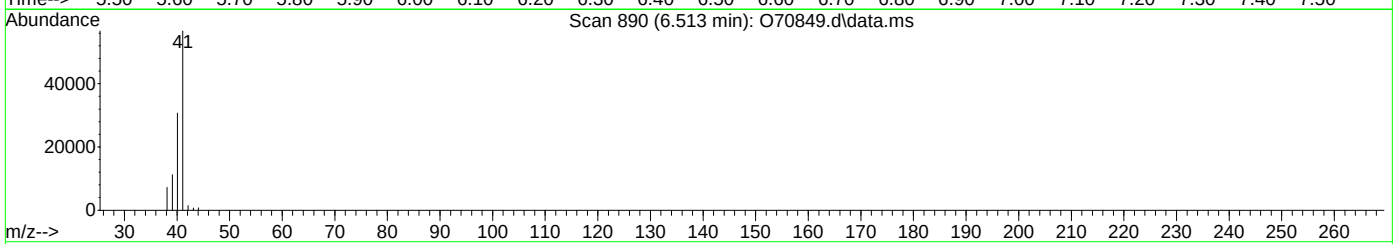
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.03
39.00	20.00	19.32
0.00	0.00	0.00

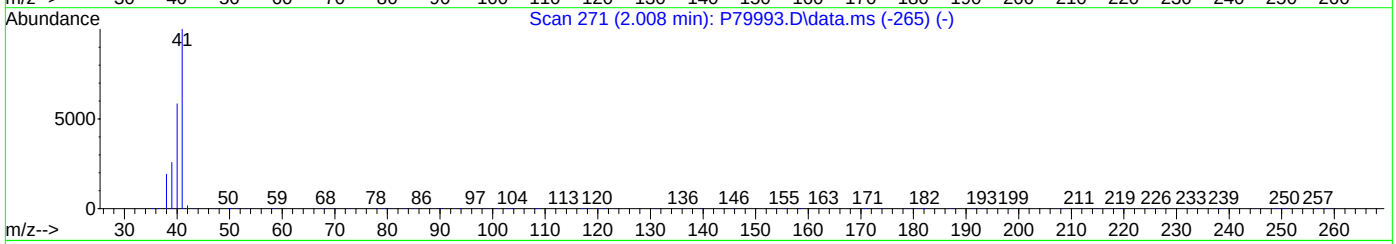
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 20:37:53 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70849.d\data.ms

(25) Acetonitrile

6.513min (-0.000) 226.32ug/L m

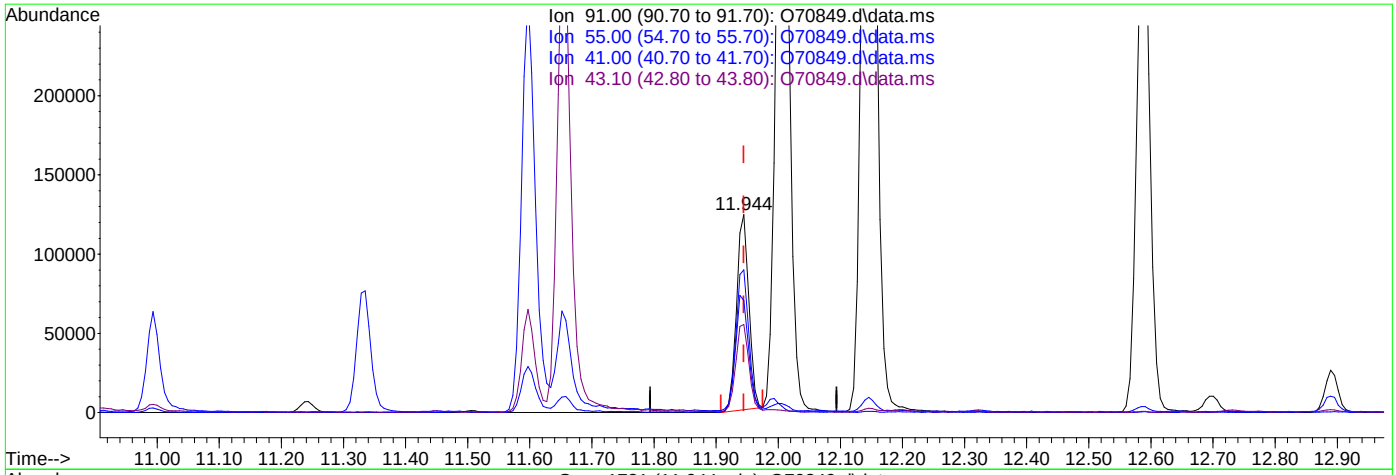
response 152000

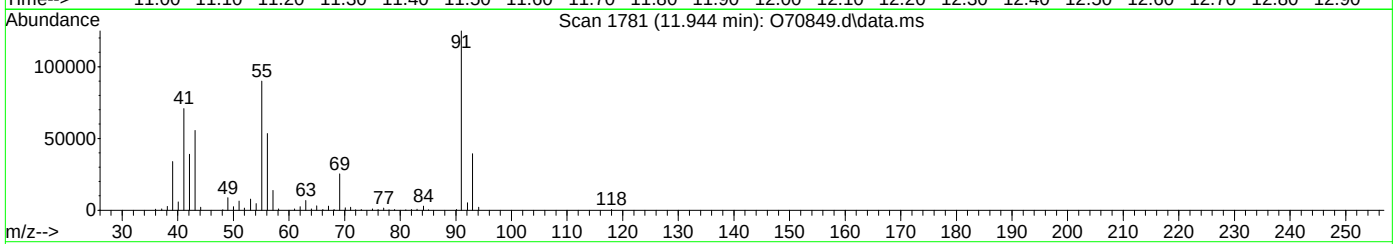
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.15
39.00	20.00	19.74
0.00	0.00	0.00

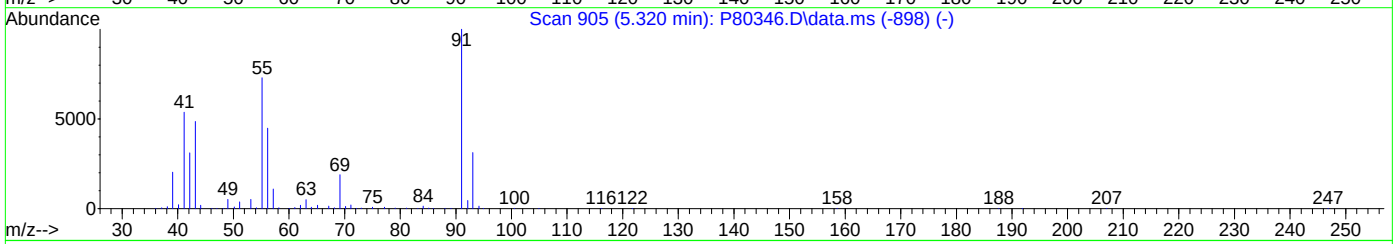
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 20:37:53 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70849.d\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 25.31ug/L

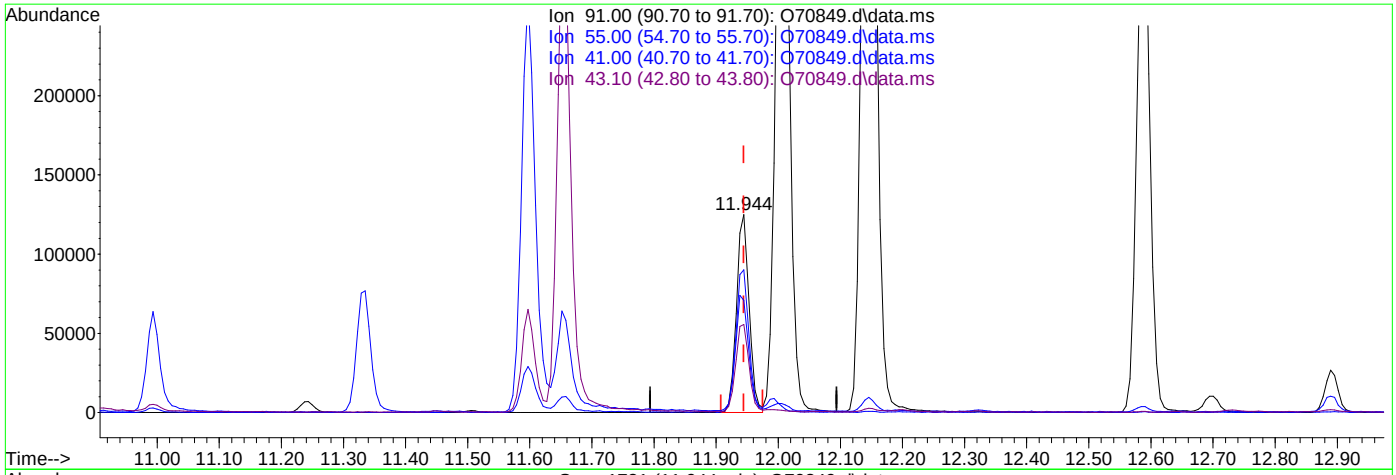
response 169981

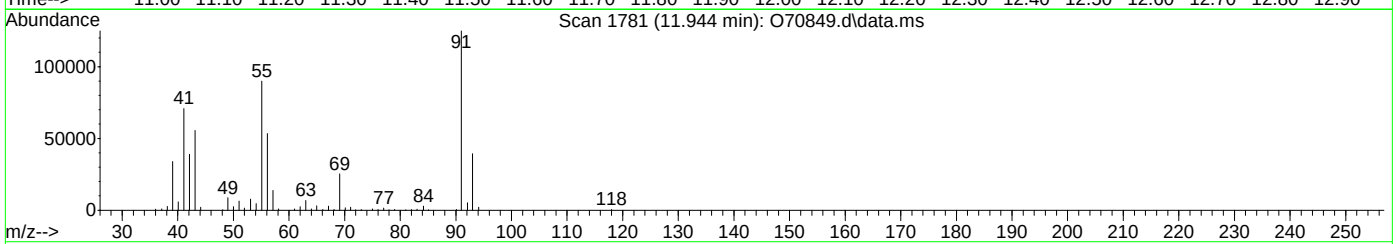
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	71.73
41.00	54.70	55.60
43.10	44.50	43.89

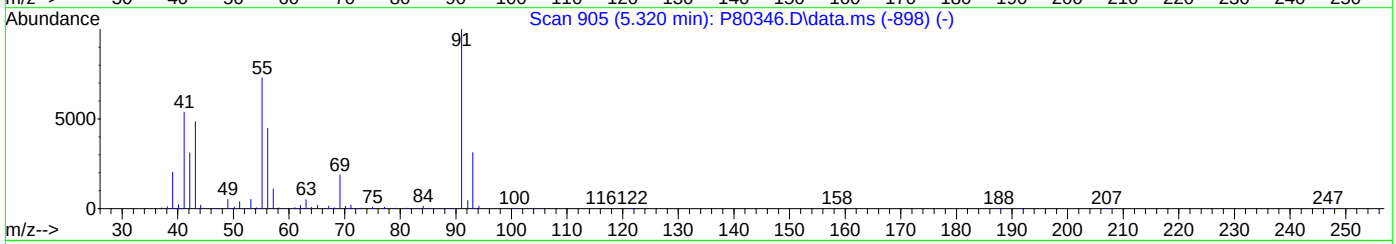
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\AntonetteC\2022\SEPTEMBER\09-05-2022\VO2809-10\
Data File : O70849.d
Acq On : 2 Sep 2022 9:55 pm
Operator : joannel
Sample : FA98394-2MSD 10X
Misc : MS52300,VO2809,,,,,10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 20:37:53 2022
Quant Method : C:\msdchem\1\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration







TIC: O70849.d\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 26.30ug/L m

response 176629

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	72.03
41.00	54.70	56.67
43.10	44.50	44.47

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/14/22 16:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92935.D
Acq On : 13 Sep 2022 9:52 pm
Operator : lindsayr
Sample : FA98710-12MS,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 14 06:07:37 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.716	96	1459240	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.645	117	1028531	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.334	152	465145	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.261	113	310165	49.84	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.68%		
49) 1,2-Dichloroethane-d4	3.549	65	427898	49.17	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	98.34%		
63) Toluene-d8	4.647	98	1396949	48.35	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	96.70%		
86) 4-Bromofluorobenzene	6.497	174	363427	49.04	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.08%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.123	85	100759	30.2802	ug/L	100
3) Chloromethane	1.243	50	98725	24.4262	ug/L	98
4) 1,3-butadiene	1.306	39	149960	35.9674	ug/L	99
5) Vinyl Chloride	1.296	62	139939	27.1283	ug/L	98
6) Bromomethane	1.500	94	8817	2.9827	ug/L	99
7) Chloroethane	1.573	64	32063	17.1339	ug/L	99
8) Trichlorofluoromethane	1.667	101	160013	24.2322	ug/L	98
9) Ethyl Ether	1.871	59	130399	24.0472	ug/L	96
10) Ethanol	1.949	45	57079m	450.5017	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.965	67	141965	27.5263	ug/L	95
12) 1,1-Dichloroethene	1.970	61	190224	26.6130	ug/L	98
13) Freon 113	2.007	101	121081	27.2279	ug/L	98
14) Carbon Disulfide	1.991	76	251323	21.2174	ug/L	96
15) Iodomethane	2.048	142	11094	4.8736	ug/L	94
16) Acrolein	2.148	56	177916	100.6255	ug/L	98
17) Allyl chloride	2.242	41	138495	25.0660	ug/L	98
18) Methylene Chloride	2.294	49	157671	21.4264	ug/L	95
19) Acetone	2.310	43	342353	103.2522	ug/L	100
20) Methyl acetate	2.388	43	858793	122.5366	ug/L	97
21) trans-1,2-Dichloroethene	2.394	61	186001	25.1793	ug/L	96
22) Hexane	2.461	56	163715	42.9923	ug/L #	34
23) Methyl Tert Butyl Ether	2.467	73	1952046	113.5639	ug/L #	64
24) Tert Butyl Alcohol	2.503	59	743402	406.9269	ug/L	98
25) Acetonitrile	2.545	41	187224	184.4088	ug/L	99
26) Di-isopropyl ether	2.681	45	516549	33.5251	ug/L	97
27) Chloroprene	2.723	53	624577	29.7523	ug/L	92
28) 1,1-Dichloroethane	2.723	63	252724	26.3930	ug/L	98
29) Acrylonitrile	2.723	52	400957	121.9200	ug/L	78
30) ETBE	2.880	59	428661	23.6100	ug/L	98
31) Vinyl acetate	2.859	43	1423093	114.3357	ug/L	98
32) cis-1,2-Dichloroethene	3.016	96	144443	25.1297	ug/L	97
33) 2,2-Dichloropropane	3.084	77	155325	20.5025	ug/L	98
34) Bromochloromethane	3.125	128	61838	24.7069	ug/L	93
35) Cyclohexane	3.162	56	243073	27.7398	ug/L	98
36) Chloroform	3.162	83	242896	25.1650	ug/L	99
37) Ethyl acetate	3.225	43	1059443	114.2138	ug/L	98
38) Tetrahydrofuran	3.256	42	80470	22.1052	ug/L	98
40) Carbon Tetrachloride	3.267	117	153409m	25.2176	ug/L	
41) 1,1,1-Trichloroethane	3.293	97	212940	26.0700	ug/L	98
42) 2-Butanone	3.314	43	613990	106.8308	ug/L	99
43) 1,1-Dichloropropene	3.361	75	186074	25.7502	ug/L	98
44) tert-Butyl formate	3.408	59	380589	93.4298	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92935.D
Acq On : 13 Sep 2022 9:52 pm
Operator : lindsayr
Sample : FA98710-12MS,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 14 06:07:37 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.455	54	382473	225.2012	ug/L		99
46) Methacrylonitrile	3.481	41	1115655	228.7332	ug/L		99
47) Benzene	3.491	78	573630	25.0043	ug/L		86
48) TAME	3.565	73	489272	28.2314	ug/L		98
50) Isobutyl alcohol	3.580	43	445524m	509.0456	ug/L		
51) 1,2-Dichloroethane	3.586	62	193396	23.4008	ug/L		98
52) Tert Amyl Alcohol	3.643	59	381703	255.8865	ug/L		95
53) Trichloroethene	3.826	95	145335	25.4206	ug/L		99
54) Methylcyclohexane	3.842	83	230856	28.7016	ug/L		99
55) Dibromomethane	4.051	93	78509	24.5282	ug/L		98
56) 1,2-Dichloropropane	4.108	63	134579	24.0851	ug/L		99
57) Bromodichloromethane	4.145	83	142549	23.0262	ug/L		98
58) Methyl methacrylate	4.234	41	148676	24.6522	ug/L		96
59) 1,4-Dioxane	4.255	88	68537	473.6330	ug/L		98
60) 2-Chloroethyl vinyl ether	4.479	63	148872	31.9243	ug/L		97
61) cis-1,3-Dichloropropene	4.521	75	177812	22.3894	ug/L		96
64) Toluene	4.678	91	618833	24.2952	ug/L		99
65) 2-Nitropropane	4.777	41	170003	86.5411	ug/L		98
66) 4-Methyl-2-pentanone	4.887	43	1119429	115.2588	ug/L		99
67) trans-1,3-Dichloropropene	4.919	75	173598	22.2837	ug/L		99
68) Tetrachloroethene	4.934	166	134408	24.8252	ug/L		99
69) Ethyl methacrylate	5.028	69	206222	21.8217	ug/L		98
70) 1,1,2-Trichloroethane	5.018	83	102619	23.9139	ug/L		97
71) Dibromochloromethane	5.143	129	98041	21.4177	ug/L		99
72) 1,3-Dichloropropane	5.196	76	215633	22.4076	ug/L		97
73) 1,2-Dibromoethane	5.295	107	126819	24.1114	ug/L		97
74) 3,3-dimethyl-1-butanol	5.415	57	2015854	1033.1848	ug/L		98
75) 2-hexanone	5.431	43	1174610	113.8395	ug/L		84
76) 1-Chlorohexane	5.651	91	189117m	22.9637	ug/L		
77) Ethylbenzene	5.682	91	663078	24.2251	ug/L		100
78) Chlorobenzene	5.656	112	364489	24.2905	ug/L		99
79) 1,1,1,2-Tetrachloroethane	5.698	131	113326	23.4218	ug/L		99
80) m,p-Xylene	5.781	91	1043799	48.3990	ug/L		99
81) o-Xylene	6.079	91	531144	24.9952	ug/L		99
82) Styrene	6.111	104	402351	23.7445	ug/L		98
83) Bromoform	6.116	173	47796	20.8288	ug/L		97
84) Isopropylbenzene	6.309	105	617725	25.5149	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.529	53	38710	13.6886	ug/L		95
88) n-Propylbenzene	6.613	91	715624	23.9297	ug/L		94
89) Bromobenzene	6.571	156	135645	22.2135	ug/L		98
90) 1,1,2,2-Tetrachloroethane	6.628	83	185725	23.2854	ug/L		99
91) 1,3,5-Trimethylbenzene	6.759	105	488827	23.6907	ug/L		99
92) 2-Chlorotoluene	6.712	91	417761	23.3869	ug/L		98
93) trans-1,4-Dichloro-2-B...	6.759	53	52514	15.2379	ug/L		93
94) 1,2,3-Trichloropropane	6.722	110	64863	21.8588	ug/L		93
95) Cyclohexanone	6.743	55	58464	104.7119	ug/L		96
96) 4-Chlorotoluene	6.832	91	436166	23.3659	ug/L		99
97) tert-Butylbenzene	6.994	91	274260	24.0080	ug/L		97
99) 1,2,4-Trimethylbenzene	7.046	105	484338	24.2923	ug/L		99
100) Pentachloroethane	6.994	167	62426	23.1954	ug/L	#	81
101) sec-Butylbenzene	7.135	105	577575	25.2314	ug/L		98
102) 4-Isopropyltoluene	7.245	119	501435	24.7603	ug/L		99
103) 1,3-Dichlorobenzene	7.276	146	257409	24.0907	ug/L		96
104) 1,2,3-Trimethylbenzene	7.376	105	491768	23.8085	ug/L		99
105) 1,4-Dichlorobenzene	7.344	146	262064	23.6080	ug/L		99
106) n-Butylbenzene	7.559	92	217093	22.9997	ug/L		97
107) Benzyl Chloride	7.522	126	28758	13.0584	ug/L	#	86
108) 1,2-Dichlorobenzene	7.653	146	237500	23.7138	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92935.D
Acq On : 13 Sep 2022 9:52 pm
Operator : lindsayr
Sample : FA98710-12MS,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 14 06:07:37 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

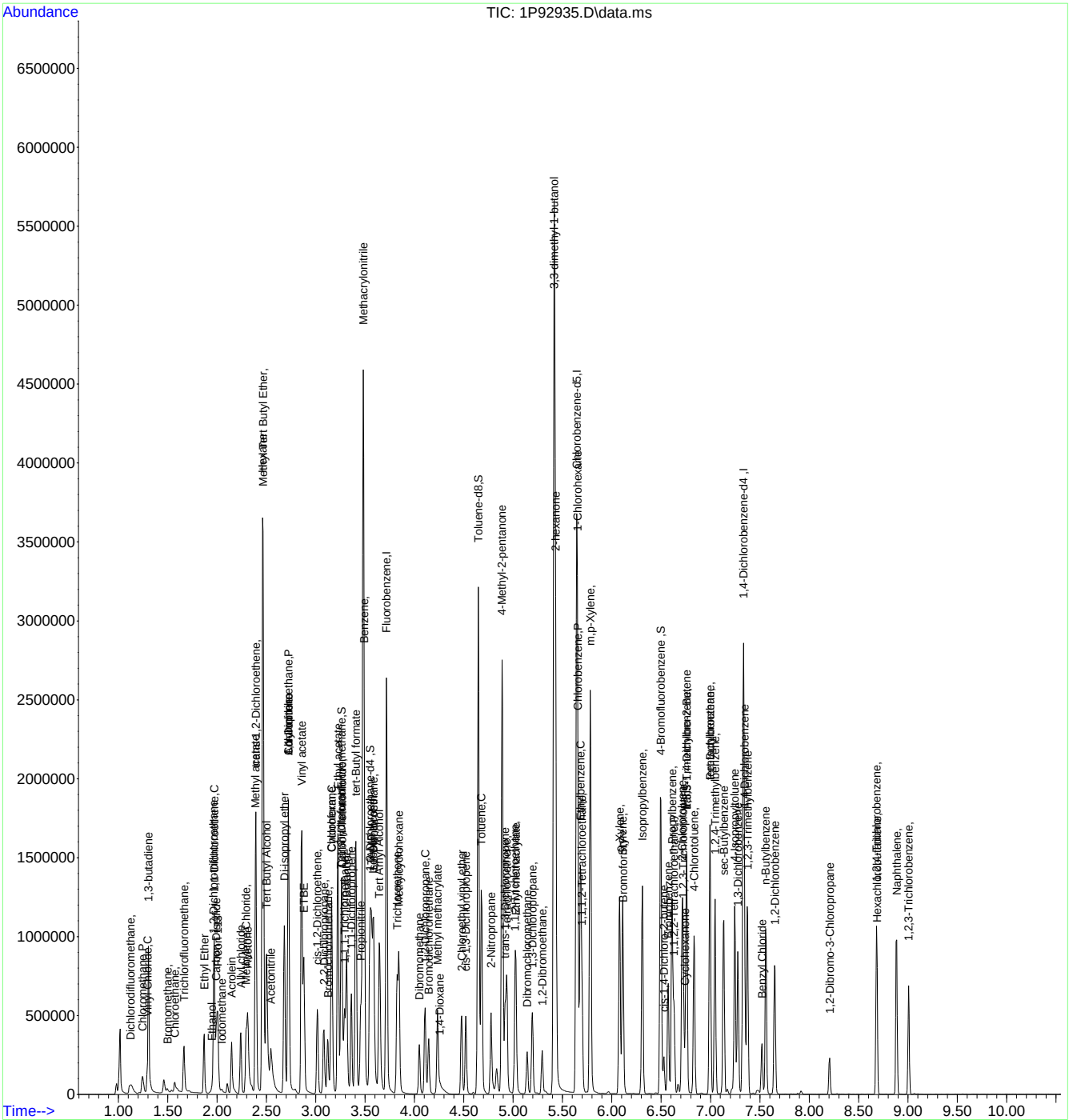
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.207	75	34108	19.4088	ug/L	92
110) Hexachlorobutadiene	8.688	225	47115	23.7001	ug/L	95
111) 1,2,4-Trichlorobenzene	8.683	180	131217	23.5998	ug/L	94
112) Naphthalene	8.887	128	508241	22.4269	ug/L	98
113) 1,2,3-Trichlorobenzene	9.007	180	122902	23.4617	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92935.D
Acq On : 13 Sep 2022 9:52 pm
Operator : lindsayr
Sample : FA98710-12MS,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 14 06:07:37 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration



Manual Integration Approval Summary

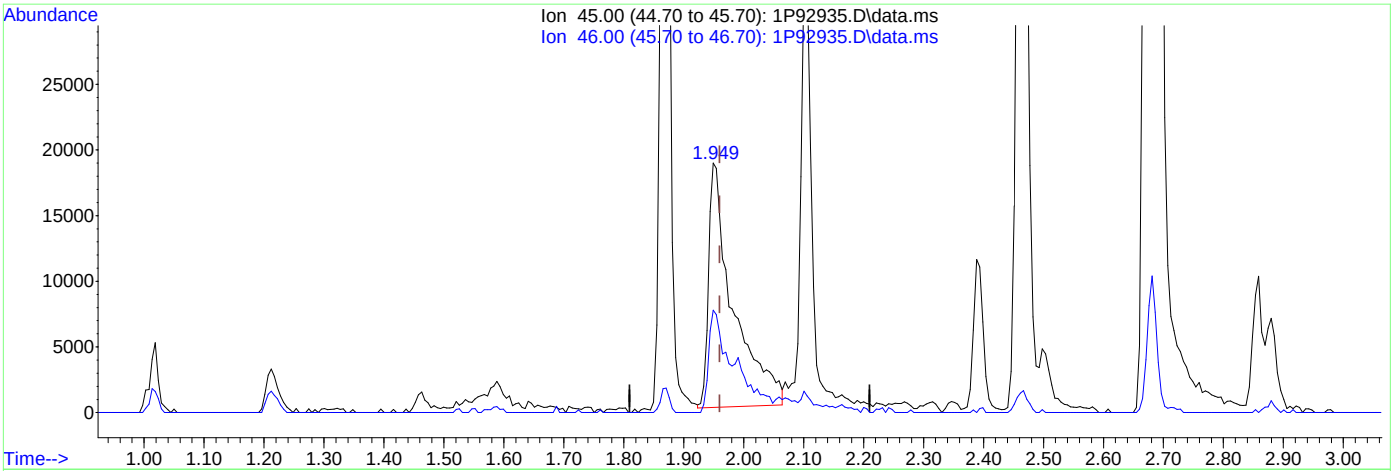
Sample Number: FA98710-12MS
Lab FileID: 1P92935.D
Injection Time: 09/13/22 21:52
Method: SW846 8260D
Analyst approved: 09/14/22 11:18 Lindsay Ritner
Supervisor approved: 09/14/22 16:01 Karen Watson

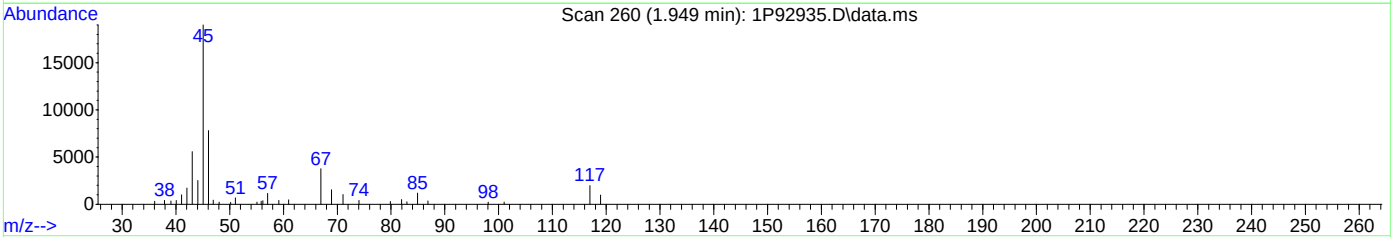
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.95	Poor instrument integration
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

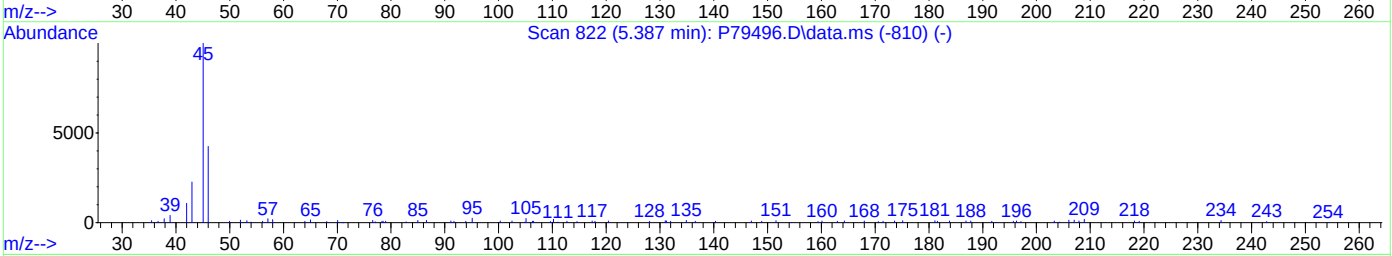
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92935.D
Acq On : 13 Sep 2022 9:52 pm
Operator : lindsayr
Sample : FA98710-12MS,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 14 05:34:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92935.D\data.ms

(10) Ethanol

1.949min (-0.011) 418.69ug/L

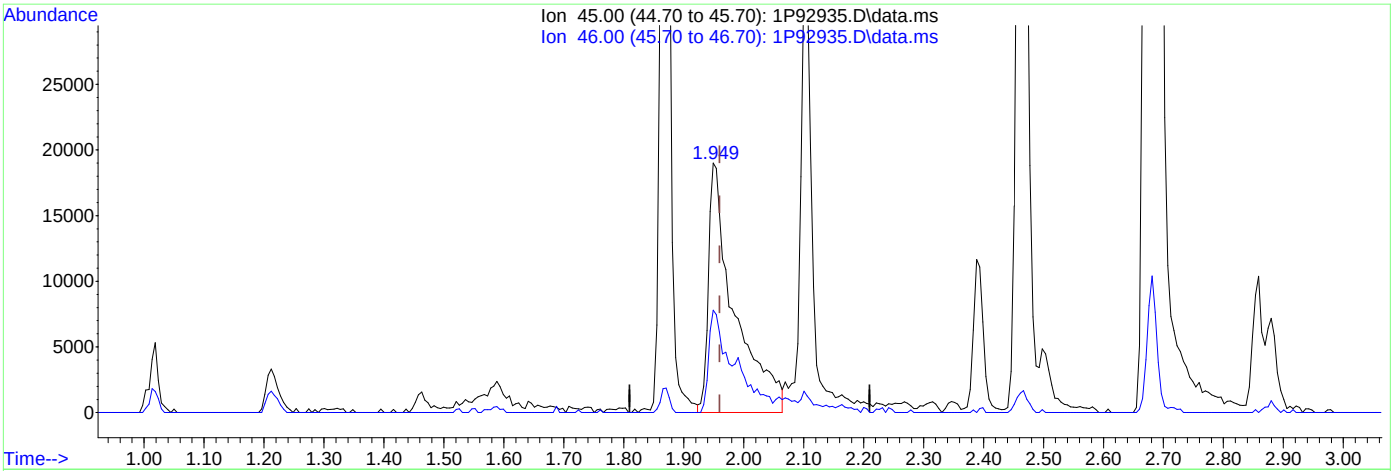
response 53048

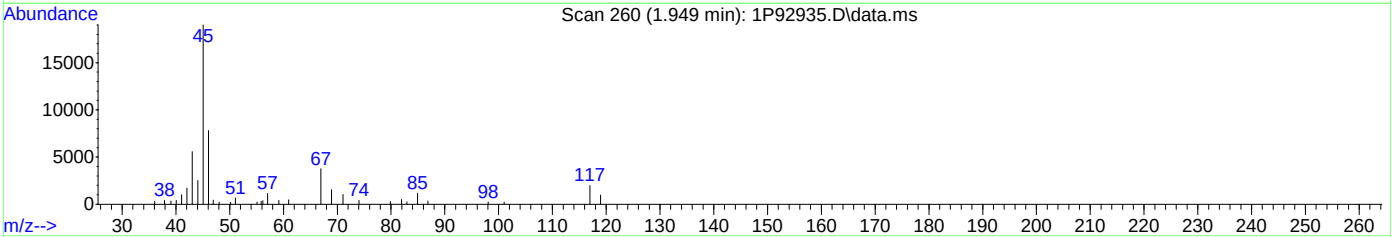
Ion	Exp%	Act%
45.00	100	100
46.00	41.40	42.29
0.00	0.00	0.00
0.00	0.00	0.00

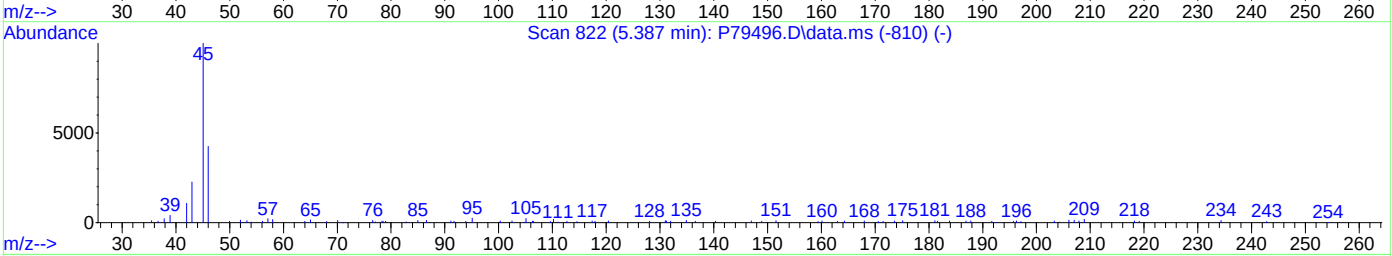
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92935.D
Acq On : 13 Sep 2022 9:52 pm
Operator : lindsayr
Sample : FA98710-12MS,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 14 05:34:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92935.D\data.ms

(10) Ethanol

1.949min (-0.011) 450.50ug/L m

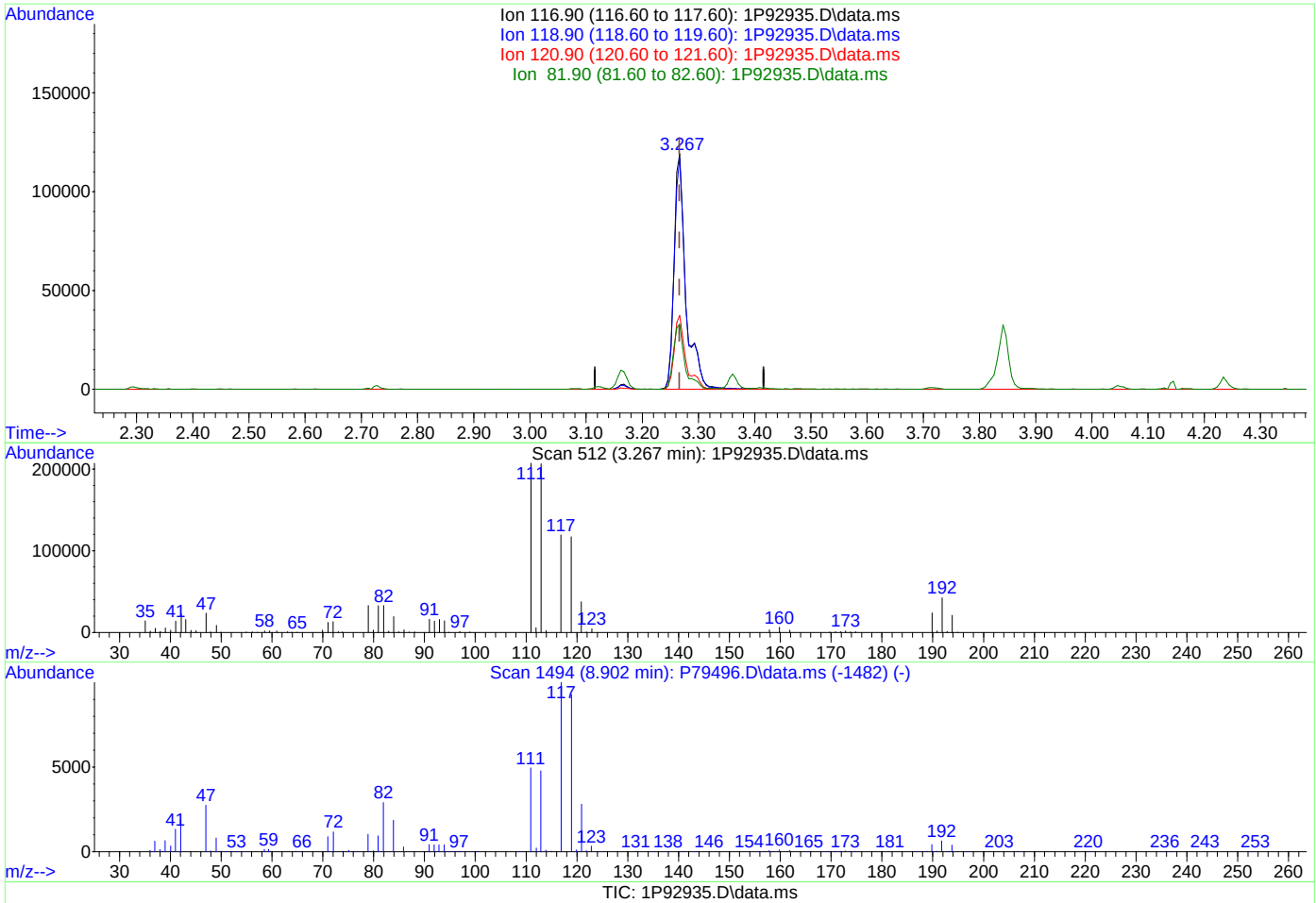
response 57079

Ion	Exp%	Act%
45.00	100	100
46.00	41.40	40.97
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92935.D
Acq On : 13 Sep 2022 9:52 pm
Operator : lindsayr
Sample : FA98710-12MS,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 14 05:34:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration



TIC: 1P92935.D\data.ms

(40) Carbon Tetrachloride ( )

3.267min (+0.001) 28.53ug/L

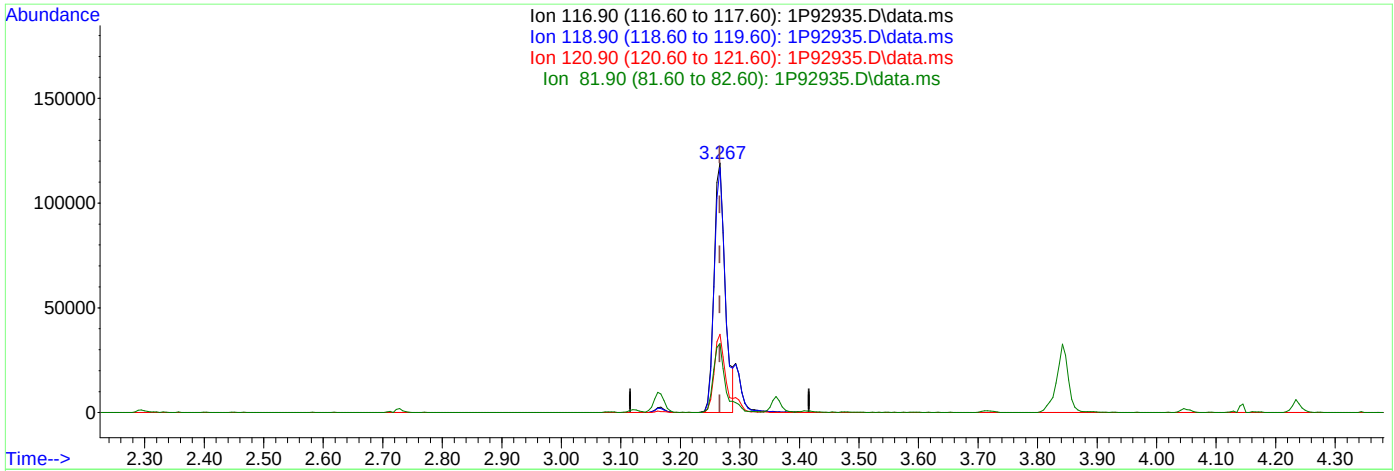
response 174376

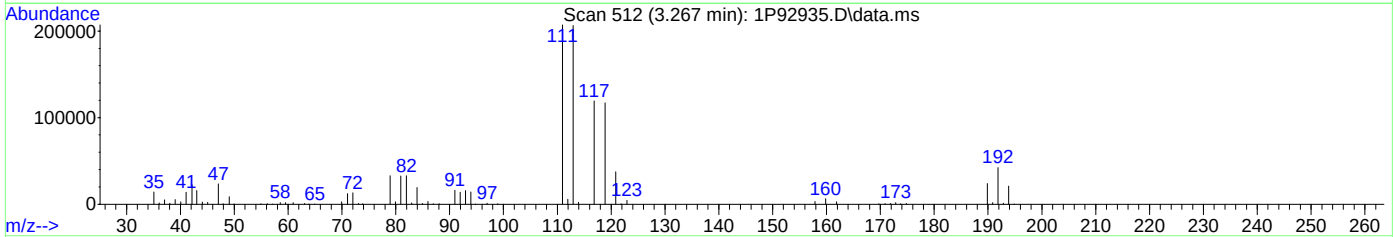
Ion	Exp%	Act%
116.90	100	100
118.90	93.30	98.09
120.90	30.70	31.37
81.90	26.50	27.63

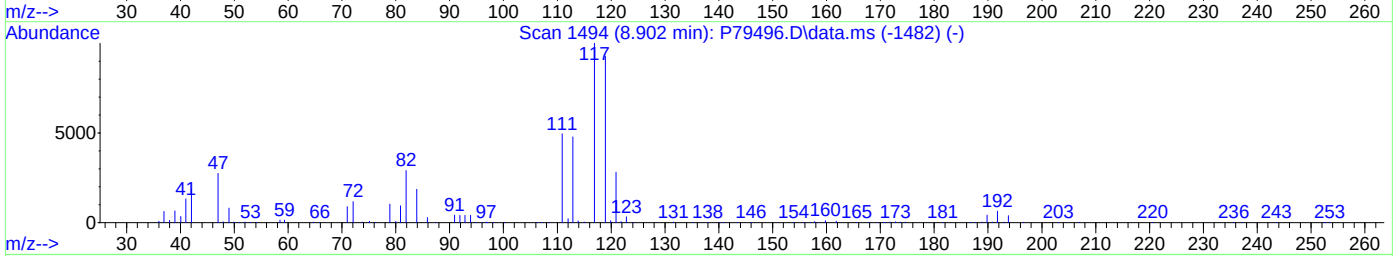
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92935.D
Acq On : 13 Sep 2022 9:52 pm
Operator : lindsayr
Sample : FA98710-12MS,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 14 05:34:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92935.D\data.ms

(40) Carbon Tetrachloride ( )

3.267min (+0.001) 25.22ug/L m

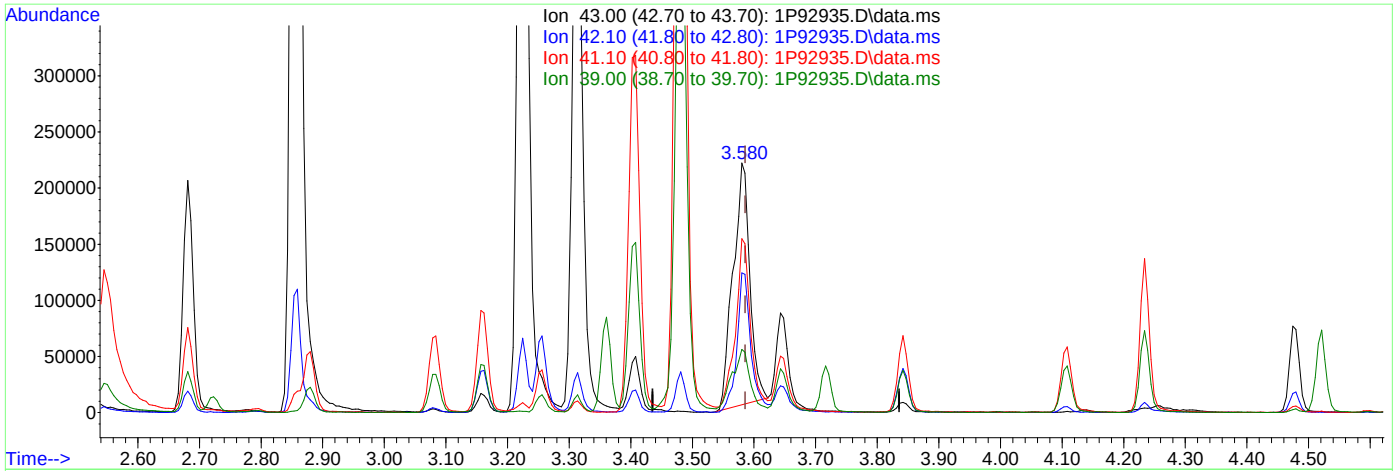
response 153409

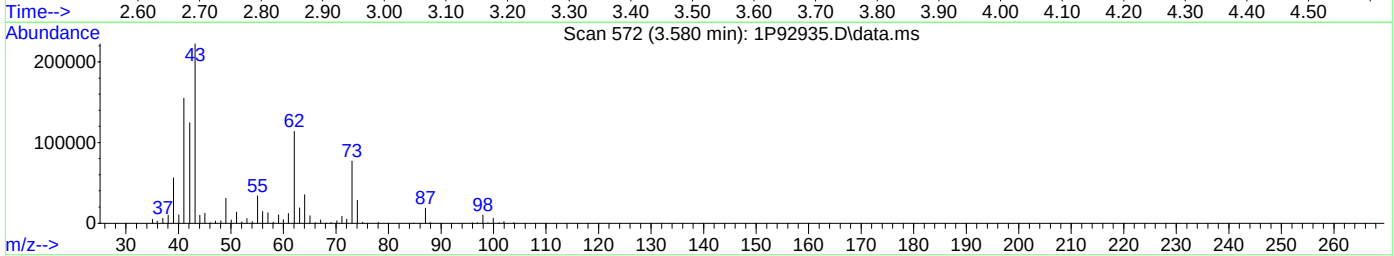
Ion	Exp%	Act%
116.90	100	100
118.90	93.30	98.09
120.90	30.70	31.37
81.90	26.50	27.63

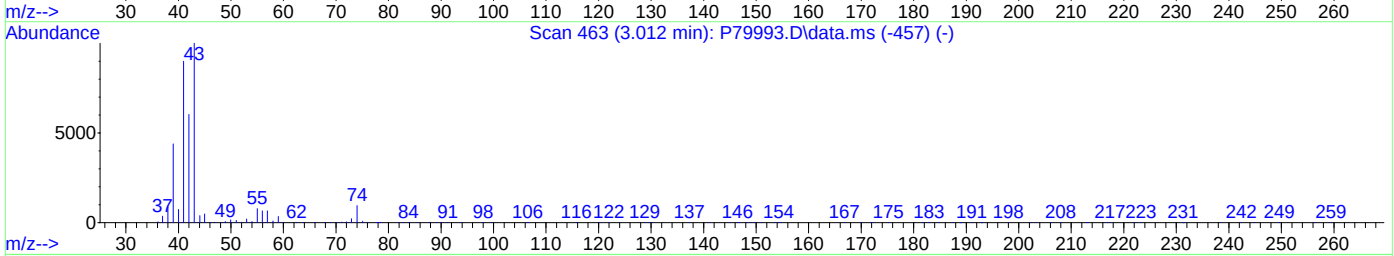
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92935.D
Acq On : 13 Sep 2022 9:52 pm
Operator : lindsayr
Sample : FA98710-12MS,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 14 05:34:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92935.D\data.ms

(50) Isobutyl alcohol

3.580min (-0.005) 469.05ug/L

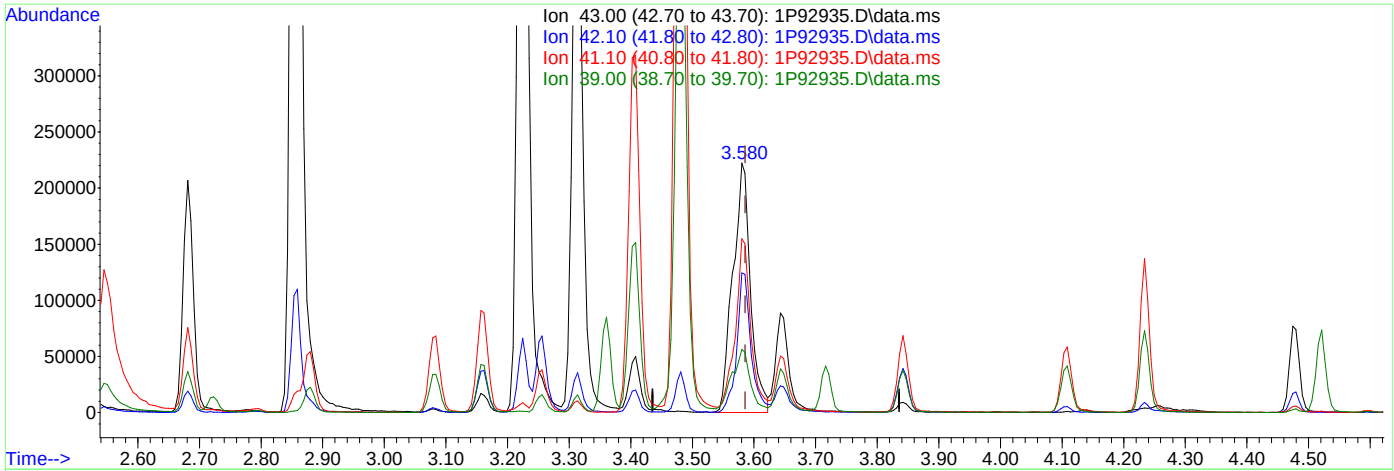
response 410519

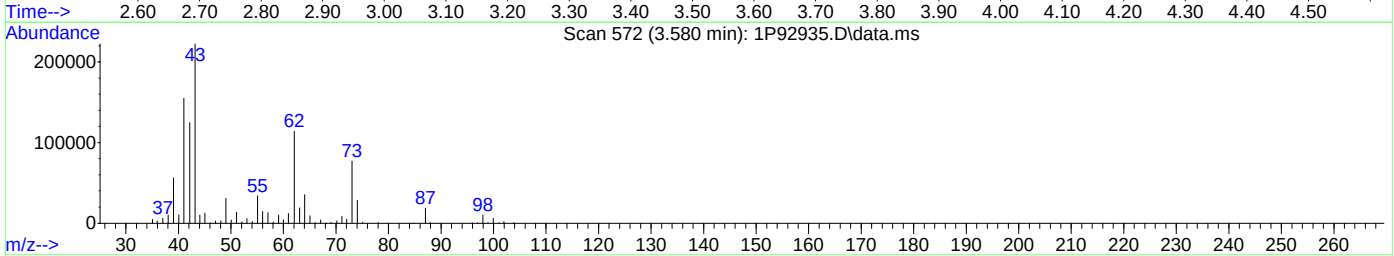
Ion	Exp%	Act%
43.00	100	100
42.10	57.70	56.01
41.10	72.00	67.77
39.00	27.20	23.88

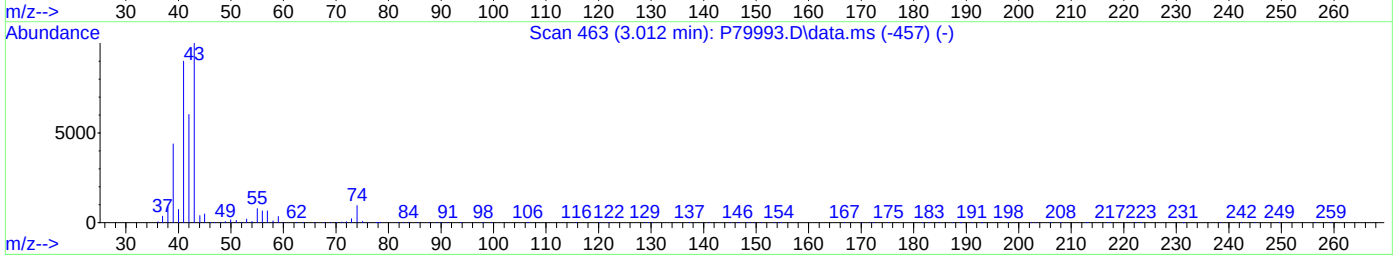
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92935.D
Acq On : 13 Sep 2022 9:52 pm
Operator : lindsayr
Sample : FA98710-12MS,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 14 05:34:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92935.D\data.ms

(50) Isobutyl alcohol

3.580min (-0.005) 509.05ug/L m

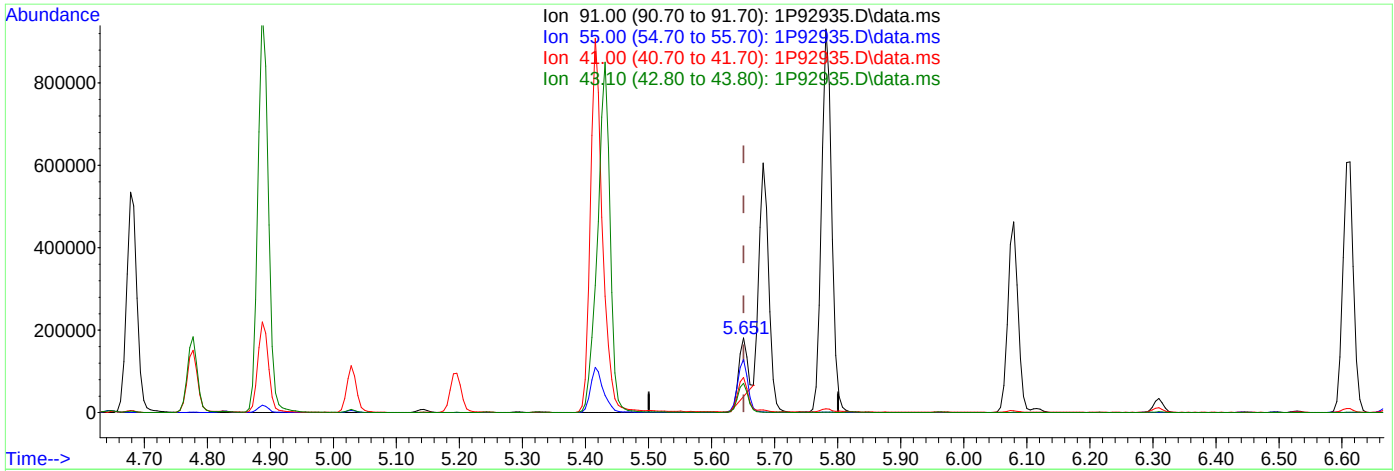
response 445524

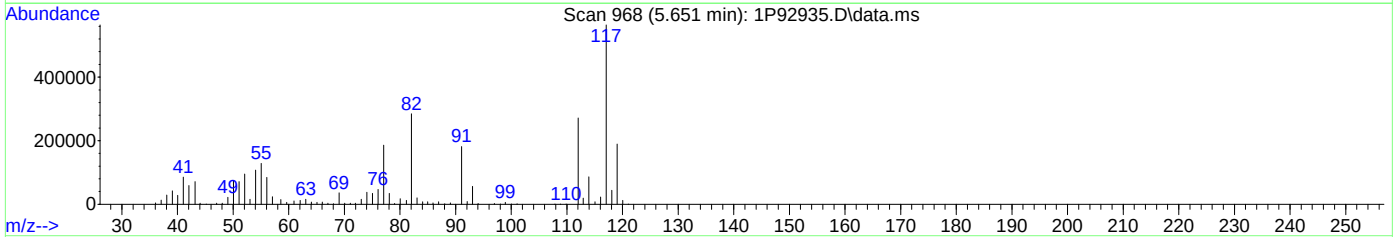
Ion	Exp%	Act%
43.00	100	100
42.10	57.70	55.95
41.10	72.00	69.68
39.00	27.20	25.29

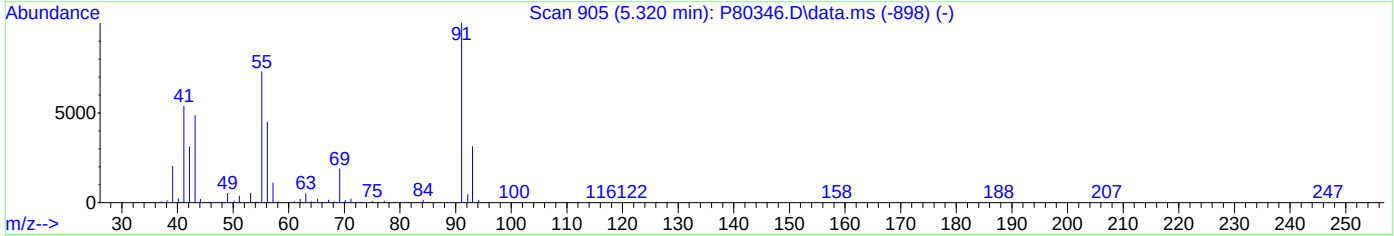
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92935.D
Acq On : 13 Sep 2022 9:52 pm
Operator : lindsayr
Sample : FA98710-12MS,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 14 05:34:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92935.D\data.ms

(76) 1-Chlorohexane

5.651min (-0.000) 16.35ug/L

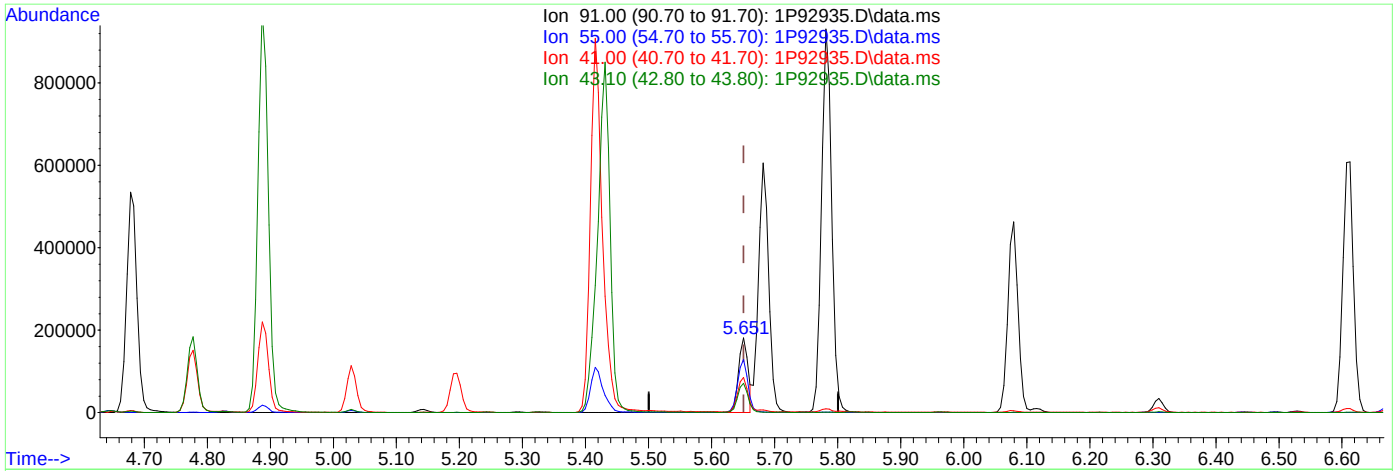
response 134620

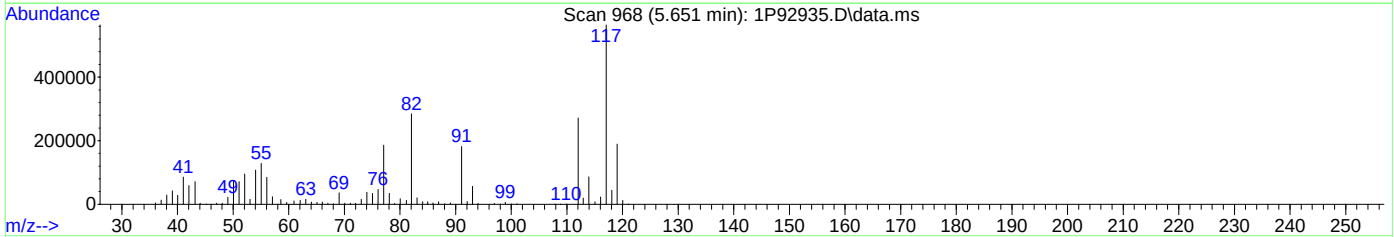
Ion	Exp%	Act%
91.00	100	100
55.00	72.50	68.86
41.00	52.10	45.61
43.10	41.30	38.13

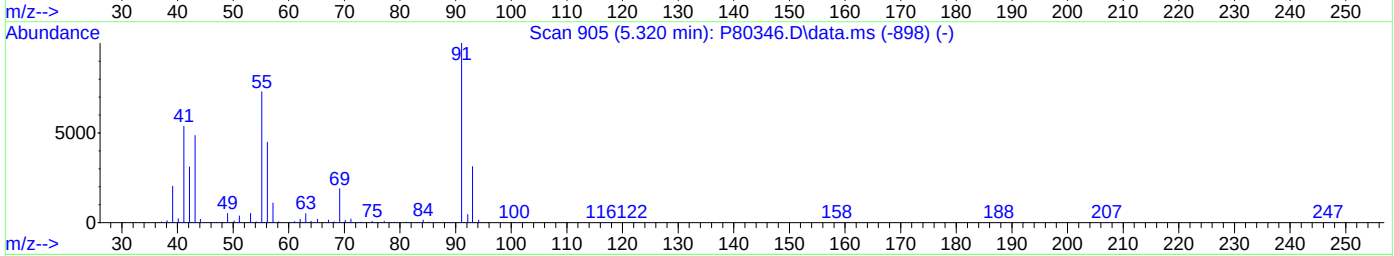
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92935.D
Acq On : 13 Sep 2022 9:52 pm
Operator : lindsayr
Sample : FA98710-12MS,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 14 05:34:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92935.D\data.ms

(76) 1-Chlorohexane

5.651min (-0.000) 22.96ug/L m

response 189117

Ion	Exp%	Act%
91.00	100	100
55.00	72.50	70.90
41.00	52.10	47.13
43.10	41.30	39.25

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/14/22 16:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92937.D
Acq On : 13 Sep 2022 10:24 pm
Operator : lindsayr
Sample : FA98710-12MSD,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 06:08:20 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1497027	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.643	117	1048478	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.332	152	467940	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.260	113	312633	48.97	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	97.94%		
49) 1,2-Dichloroethane-d4	3.547	65	430822	48.26	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	96.52%		
63) Toluene-d8	4.650	98	1443829	49.03	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	98.06%		
86) 4-Bromofluorobenzene	6.496	174	358283	48.05	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	96.10%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.126	85	103677	30.3707	ug/L	98
3) Chloromethane	1.247	50	102306	24.6733	ug/L	98
4) 1,3-butadiene	1.304	39	154372	36.0911	ug/L	99
5) Vinyl Chloride	1.294	62	144322	27.2718	ug/L	97
6) Bromomethane	1.498	94	14140	4.6894	ug/L	98
7) Chloroethane	1.571	64	31976	16.6191	ug/L	98
8) Trichlorofluoromethane	1.665	101	166619	24.6921	ug/L	99
9) Ethyl Ether	1.869	59	135228	24.3083	ug/L	99
10) Ethanol	1.947	45	59099m	454.6711	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.968	67	144440	27.2976	ug/L	99
12) 1,1-Dichloroethene	1.973	61	194513	26.5261	ug/L	99
13) Freon 113	2.005	101	126071	27.6344	ug/L	99
14) Carbon Disulfide	1.989	76	270647	22.2412	ug/L	97
15) Iodomethane	2.052	142	16103	6.8732	ug/L	88
16) Acrolein	2.146	56	185992	102.5379	ug/L	100
17) Allyl chloride	2.240	41	143342	25.2914	ug/L	99
18) Methylene Chloride	2.292	49	167331	22.2223	ug/L	99
19) Acetone	2.313	43	349057	102.5926	ug/L	99
20) Methyl acetate	2.392	43	879428	122.3136	ug/L	100
21) trans-1,2-Dichloroethene	2.397	61	189999	25.0713	ug/L	100
22) Hexane	2.465	56	165326	42.3195	ug/L #	26
23) Methyl Tert Butyl Ether	2.465	73	1955534	110.8373	ug/L	67
24) Tert Butyl Alcohol	2.501	59	775300	413.6753	ug/L	98
25) Acetonitrile	2.549	41	179974	172.7934	ug/L	98
26) Di-isopropyl ether	2.679	45	528934	33.4624	ug/L	98
27) Chloroprene	2.721	53	636856	29.5715	ug/L	93
28) 1,1-Dichloroethane	2.726	63	256690	26.1305	ug/L	98
29) Acrylonitrile	2.721	52	408806	121.1690	ug/L #	71
30) ETBE	2.878	59	441168	23.6855	ug/L	97
31) Vinyl acetate	2.857	43	1429582	111.9579	ug/L	98
32) cis-1,2-Dichloroethene	3.019	96	149827	25.4084	ug/L	98
33) 2,2-Dichloropropane	3.082	77	157623	20.2863	ug/L	97
34) Bromochloromethane	3.124	128	62917	24.5035	ug/L	98
35) Cyclohexane	3.160	56	248114	27.6004	ug/L	99
36) Chloroform	3.165	83	247289	24.9734	ug/L	98
37) Ethyl acetate	3.223	43	1061997	111.5993	ug/L	98
38) Tetrahydrofuran	3.254	42	85815	22.9784	ug/L	99
40) Carbon Tetrachloride	3.265	117	155169m	24.8753	ug/L	
41) 1,1,1-Trichloroethane	3.291	97	217696	25.9795	ug/L	98
42) 2-Butanone	3.312	43	622875	105.5923	ug/L	100
43) 1,1-Dichloropropene	3.359	75	188954	25.4887	ug/L	98
44) tert-Butyl formate	3.406	59	392296	93.8524	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92937.D
Acq On : 13 Sep 2022 10:24 pm
Operator : lindsayr
Sample : FA98710-12MSD,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 06:08:20 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	3.458	54	389116	223.3295	ug/L		99
46)	Methacrylonitrile	3.479	41	1117587	223.3458	ug/L		99
47)	Benzene	3.490	78	587379	24.9574	ug/L		97
48)	TAME	3.563	73	495904	27.8911	ug/L		96
50)	Isobutyl alcohol	3.584	43	448280m	499.2661	ug/L		
51)	1,2-Dichloroethane	3.589	62	196157	23.1358	ug/L		99
52)	Tert Amyl Alcohol	3.646	59	395403	258.3799	ug/L		96
53)	Trichloroethene	3.824	95	148060	25.2435	ug/L		98
54)	Methylcyclohexane	3.845	83	238127	28.8583	ug/L		98
55)	Dibromomethane	4.049	93	78378	23.8691	ug/L		99
56)	1,2-Dichloropropane	4.106	63	138087	24.0891	ug/L		99
57)	Bromodichloromethane	4.143	83	147576	23.2313	ug/L		96
58)	Methyl methacrylate	4.232	41	143251	23.1531	ug/L		99
59)	1,4-Dioxane	4.258	88	69922	471.0075	ug/L		93
60)	2-Chloroethyl vinyl ether	4.478	63	145918	30.5010	ug/L		98
61)	cis-1,3-Dichloropropene	4.519	75	186179	22.8419	ug/L		97
64)	Toluene	4.682	91	634261	24.4272	ug/L		99
65)	2-Nitropropane	4.776	41	177490	88.5231	ug/L		99
66)	4-Methyl-2-pentanone	4.891	43	1132008	114.3365	ug/L		99
67)	trans-1,3-Dichloropropene	4.917	75	178126	22.4299	ug/L		99
68)	Tetrachloroethene	4.938	166	139794	25.3288	ug/L		97
69)	Ethyl methacrylate	5.032	69	203771	21.1488	ug/L		94
70)	1,1,2-Trichloroethane	5.021	83	105407	24.0963	ug/L		95
71)	Dibromochloromethane	5.142	129	102563	21.9622	ug/L		98
72)	1,3-Dichloropropane	5.194	76	218327	22.2559	ug/L		97
73)	1,2-Dibromoethane	5.293	107	128899	24.0407	ug/L		99
74)	3,3-dimethyl-1-butanol	5.419	57	2081864	1046.8891	ug/L		99
75)	2-hexanone	5.429	43	1197149	113.8166	ug/L		96
76)	1-Chlorohexane	5.649	91	205591m	24.4892	ug/L		
77)	Ethylbenzene	5.680	91	686453	24.6020	ug/L		99
78)	Chlorobenzene	5.654	112	376480	24.6123	ug/L		99
79)	1,1,1,2-Tetrachloroethane	5.696	131	115859	23.4889	ug/L		99
80)	m,p-Xylene	5.785	91	1065896	48.4833	ug/L		97
81)	o-Xylene	6.077	91	548924	25.3404	ug/L		99
82)	Styrene	6.109	104	405391	23.4686	ug/L		99
83)	Bromoform	6.119	173	51789	22.0502	ug/L		96
84)	Isopropylbenzene	6.307	105	636067	25.7727	ug/L		99
87)	cis-1,4-Dichloro-2-butene	6.527	53	41181	14.4667	ug/L		92
88)	n-Propylbenzene	6.611	91	734525	24.4150	ug/L		95
89)	Bromobenzene	6.569	156	138637	22.5678	ug/L		94
90)	1,1,2,2-Tetrachloroethane	6.626	83	192296	23.9653	ug/L		95
91)	1,3,5-Trimethylbenzene	6.757	105	498589	24.0194	ug/L		100
92)	2-Chlorotoluene	6.710	91	428662	23.8538	ug/L		99
93)	trans-1,4-Dichloro-2-B...	6.757	53	54624	15.7535	ug/L		87
94)	1,2,3-Trichloropropane	6.726	110	64025	21.4475	ug/L		95
95)	Cyclohexanone	6.741	55	59850	106.5541	ug/L		99
96)	4-Chlorotoluene	6.835	91	448303	23.8726	ug/L		97
97)	tert-Butylbenzene	6.992	91	277622	24.1571	ug/L		97
99)	1,2,4-Trimethylbenzene	7.045	105	486148	24.2375	ug/L		99
100)	Pentachloroethane	6.998	167	63488	23.4438	ug/L		93
101)	sec-Butylbenzene	7.133	105	588321	25.5452	ug/L		99
102)	4-Isopropyltoluene	7.248	119	513613	25.2079	ug/L		97
103)	1,3-Dichlorobenzene	7.280	146	262582	24.4281	ug/L		96
104)	1,2,3-Trimethylbenzene	7.374	105	502475	24.1839	ug/L		100
105)	1,4-Dichlorobenzene	7.343	146	266057	23.8246	ug/L		97
106)	n-Butylbenzene	7.562	92	222132	23.3930	ug/L		97
107)	Benzyl Chloride	7.520	126	29260	13.1975	ug/L	#	78
108)	1,2-Dichlorobenzene	7.651	146	242055	24.0242	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92937.D
Acq On : 13 Sep 2022 10:24 pm
Operator : lindsayr
Sample : FA98710-12MSD,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 06:08:20 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

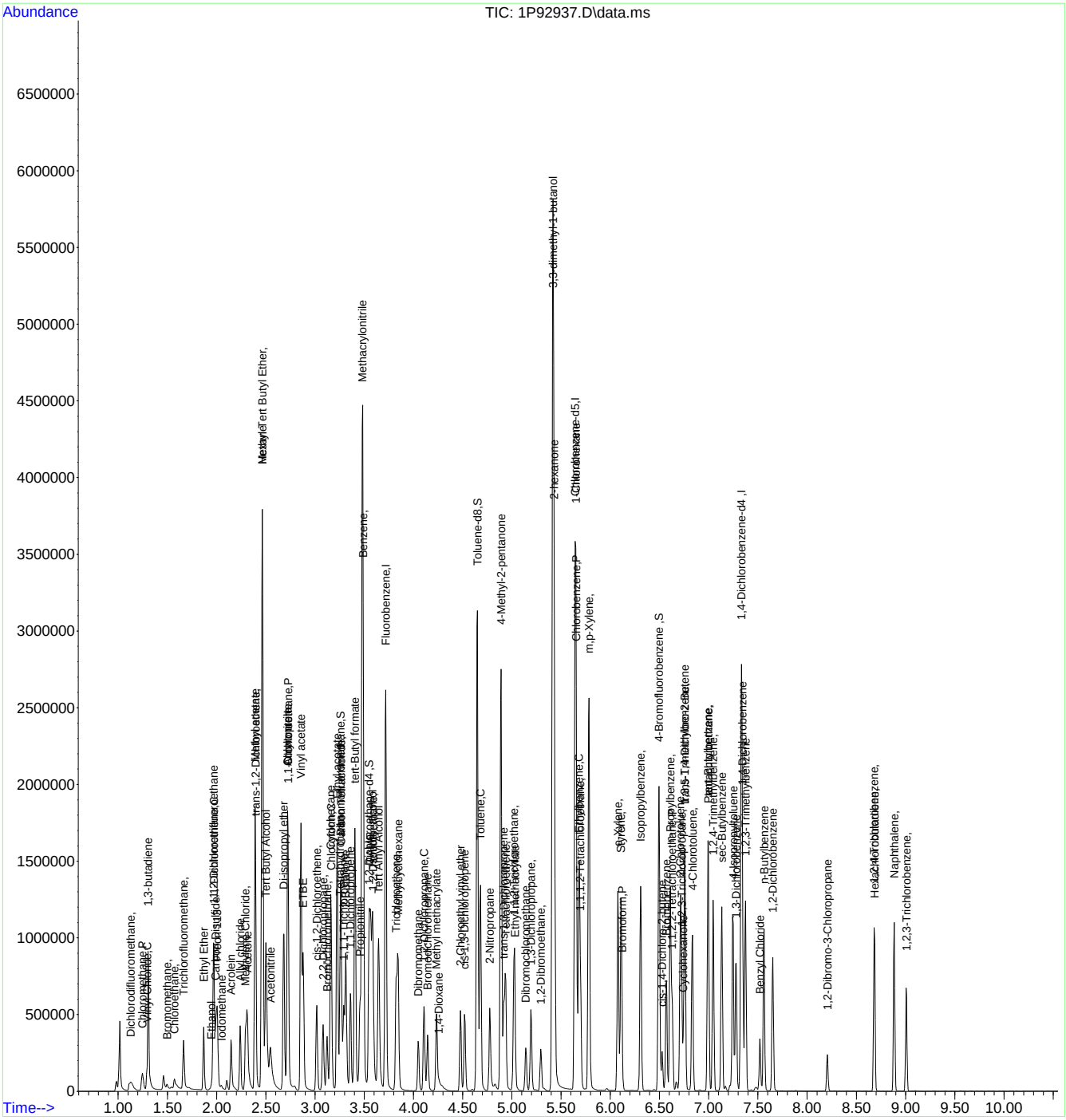
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.205	75	35112	19.8402	ug/L	93
110) Hexachlorobutadiene	8.686	225	48849	24.4255	ug/L	95
111) 1,2,4-Trichlorobenzene	8.681	180	129557	23.1621	ug/L	97
112) Naphthalene	8.885	128	518144	22.7207	ug/L	99
113) 1,2,3-Trichlorobenzene	9.010	180	123867	23.5047	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92937.D
Acq On : 13 Sep 2022 10:24 pm
Operator : lindsayr
Sample : FA98710-12MSD,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 06:08:20 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration



Manual Integration Approval Summary

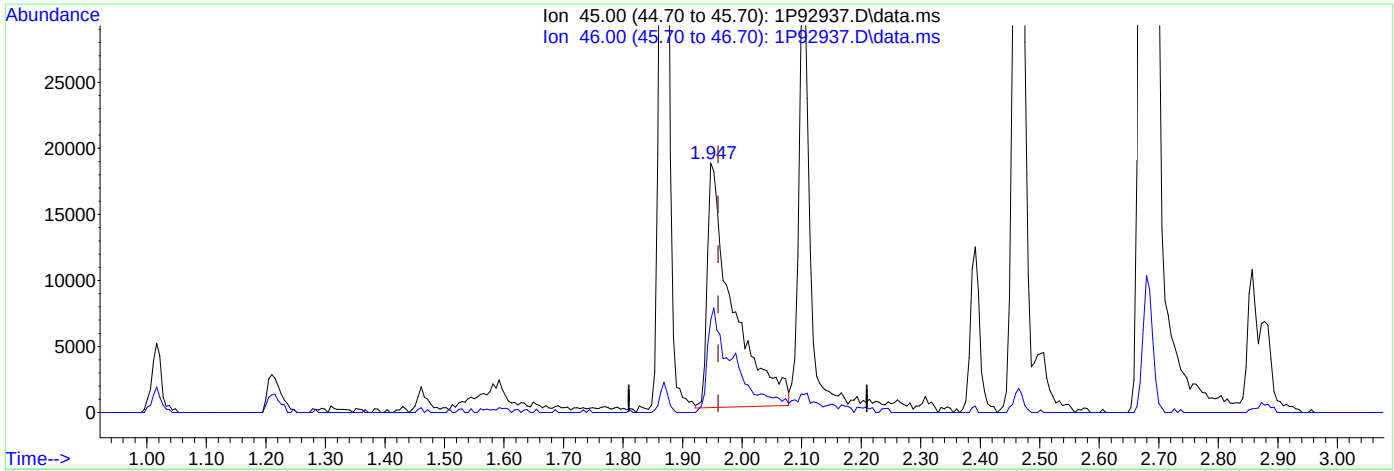
Sample Number: FA98710-12MSD
Lab FileID: 1P92937.D
Injection Time: 09/13/22 22:24
Method: SW846 8260D
Analyst approved: 09/14/22 11:18 Lindsay Ritner
Supervisor approved: 09/14/22 16:01 Karen Watson

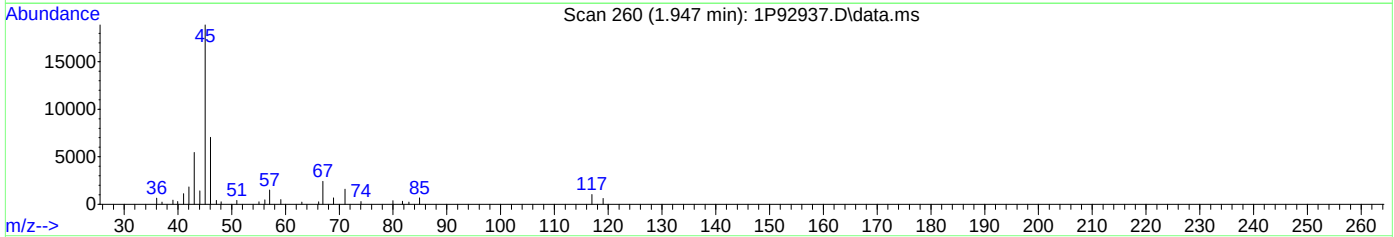
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.95	Poor instrument integration
Carbon Tetrachloride	56-23-5		3.26	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

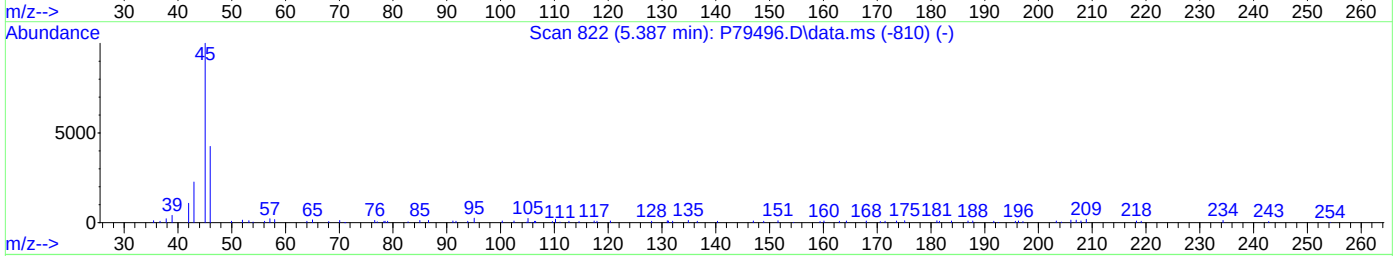
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92937.D
Acq On : 13 Sep 2022 10:24 pm
Operator : lindsayr
Sample : FA98710-12MSD,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 05:34:31 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92937.D\data.ms

(10) Ethanol

1.947min (-0.013) 422.92ug/L

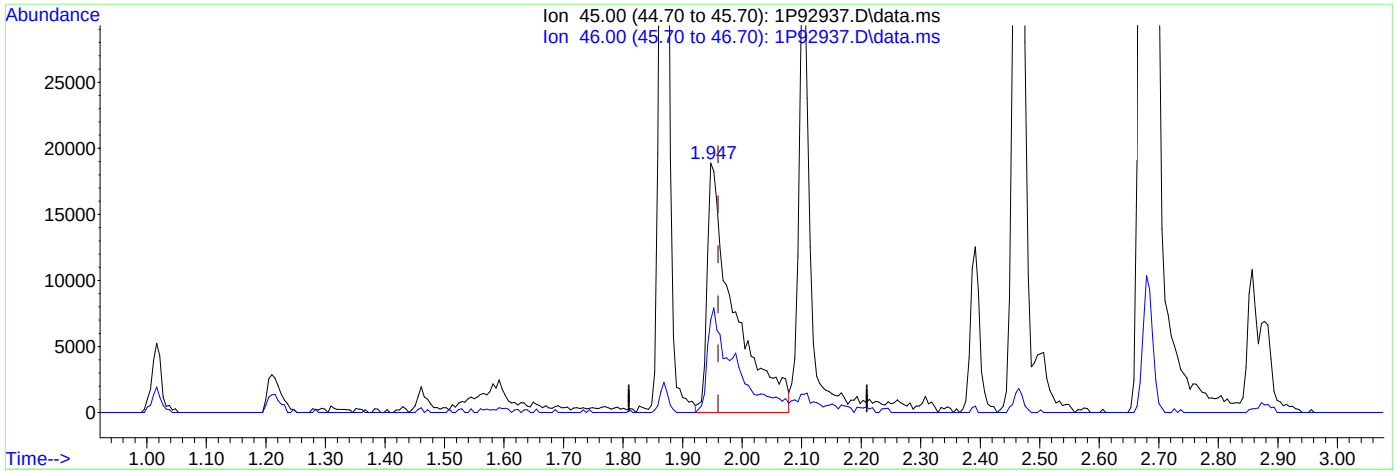
response 54972

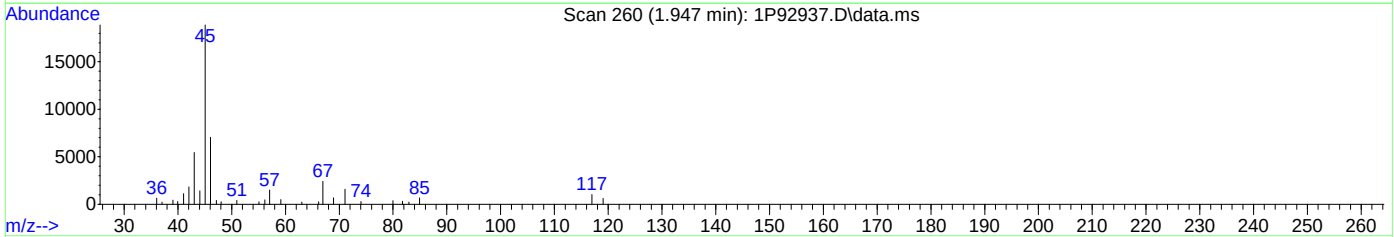
Ion	Exp%	Act%
45.00	100	100
46.00	41.40	38.28
0.00	0.00	0.00
0.00	0.00	0.00

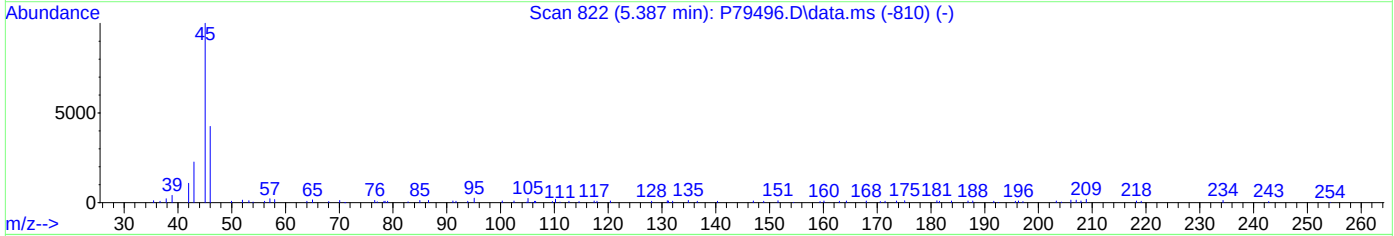
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92937.D
Acq On : 13 Sep 2022 10:24 pm
Operator : lindsayr
Sample : FA98710-12MSD,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 05:34:31 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92937.D\data.ms

(10) Ethanol

1.947min (-0.013) 454.67ug/L m

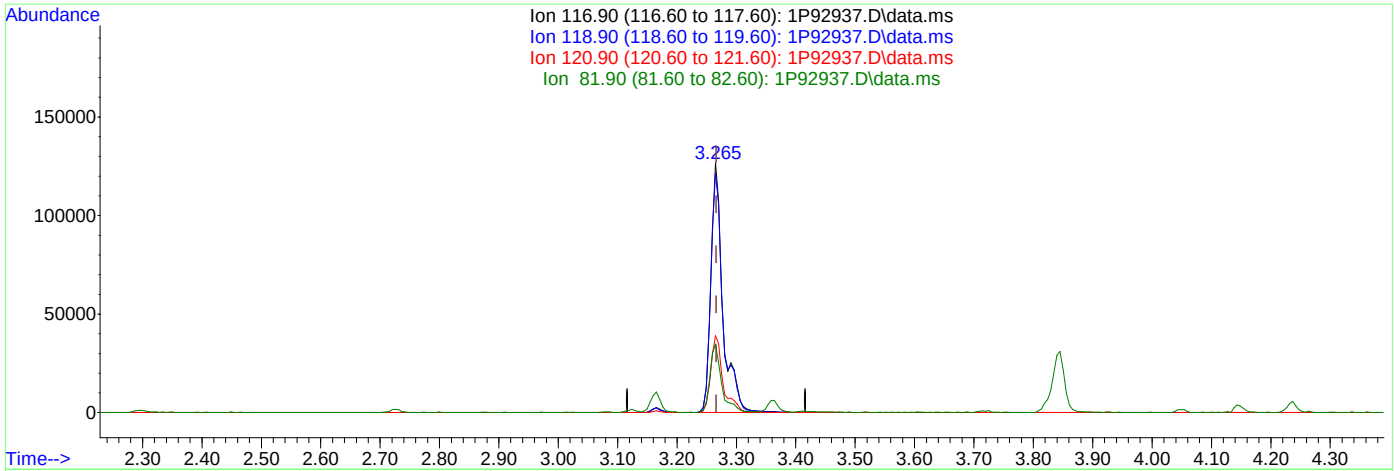
response 59099

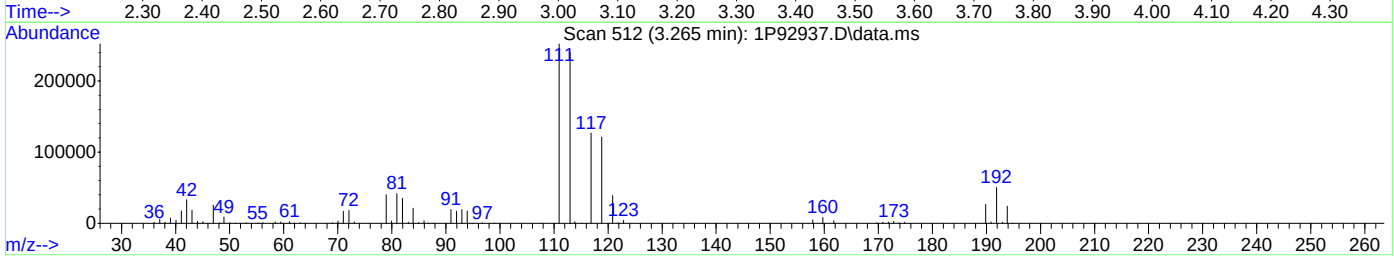
Ion	Exp%	Act%
45.00	100	100
46.00	41.40	37.20
0.00	0.00	0.00
0.00	0.00	0.00

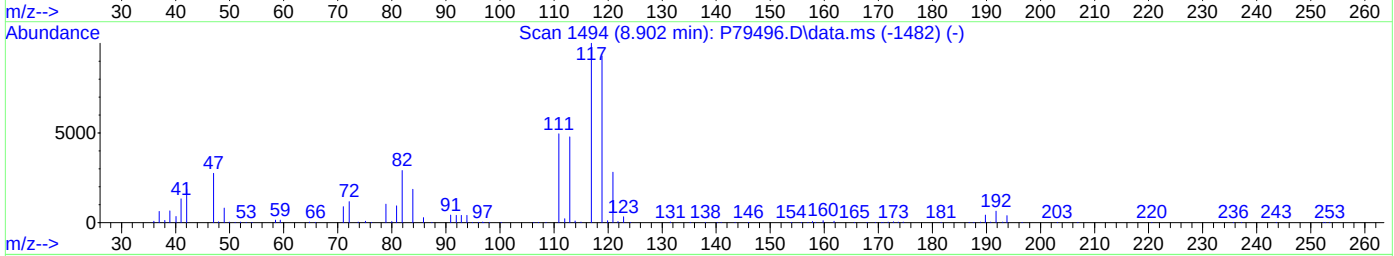
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92937.D
Acq On : 13 Sep 2022 10:24 pm
Operator : lindsayr
Sample : FA98710-12MSD,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 05:34:31 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92937.D\data.ms

(40) Carbon Tetrachloride ( )

3.265min (-0.001) 28.70ug/L

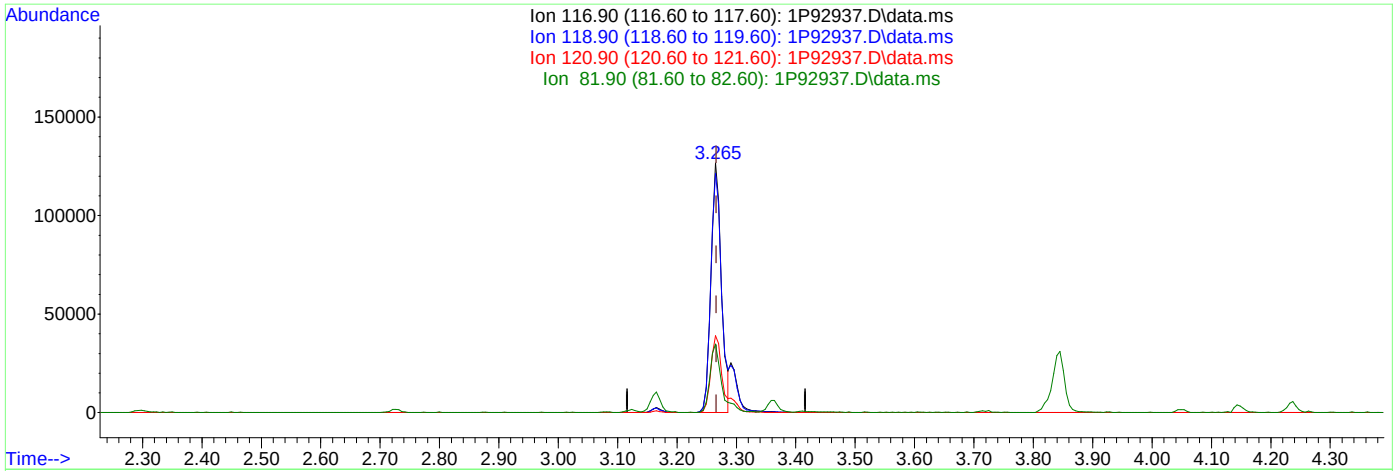
response 179992

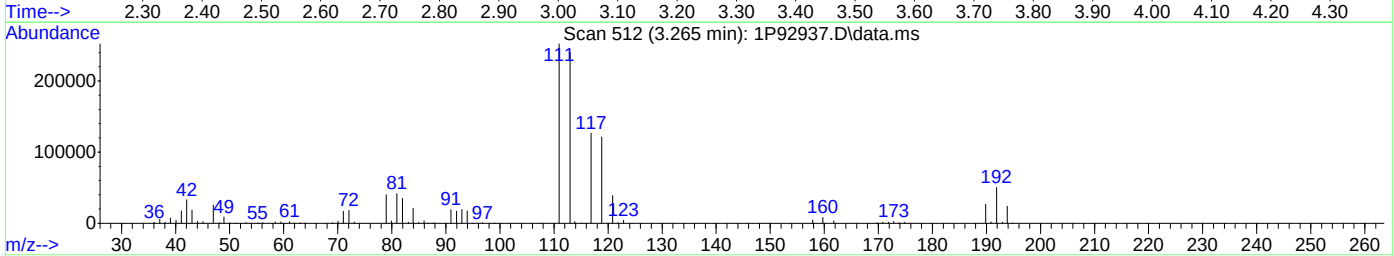
Ion	Exp%	Act%
116.90	100	100
118.90	93.30	95.76
120.90	30.70	30.81
81.90	26.50	27.47

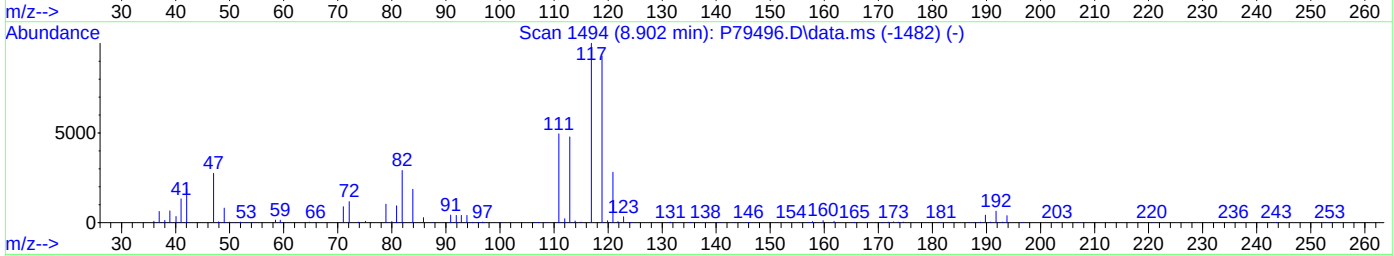
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92937.D
Acq On : 13 Sep 2022 10:24 pm
Operator : lindsayr
Sample : FA98710-12MSD,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 05:34:31 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92937.D\data.ms

(40) Carbon Tetrachloride ( )

3.265min (-0.001) 24.88ug/L m

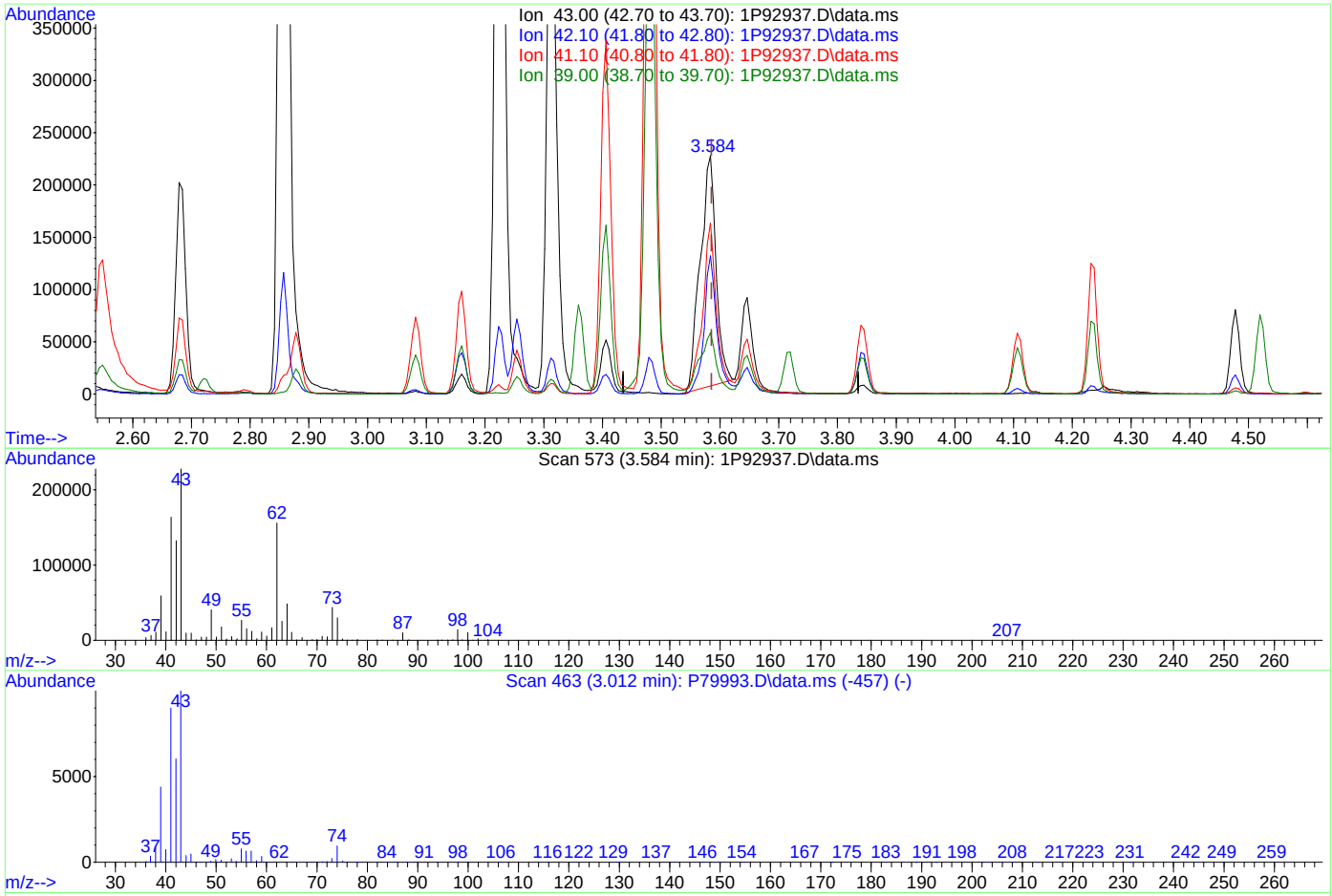
response 155169

Ion	Exp%	Act%
116.90	100	100
118.90	93.30	95.76
120.90	30.70	30.81
81.90	26.50	27.47

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92937.D
Acq On : 13 Sep 2022 10:24 pm
Operator : lindsayr
Sample : FA98710-12MSD,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 05:34:31 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration



TIC: 1P92937.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.002) 460.27ug/L

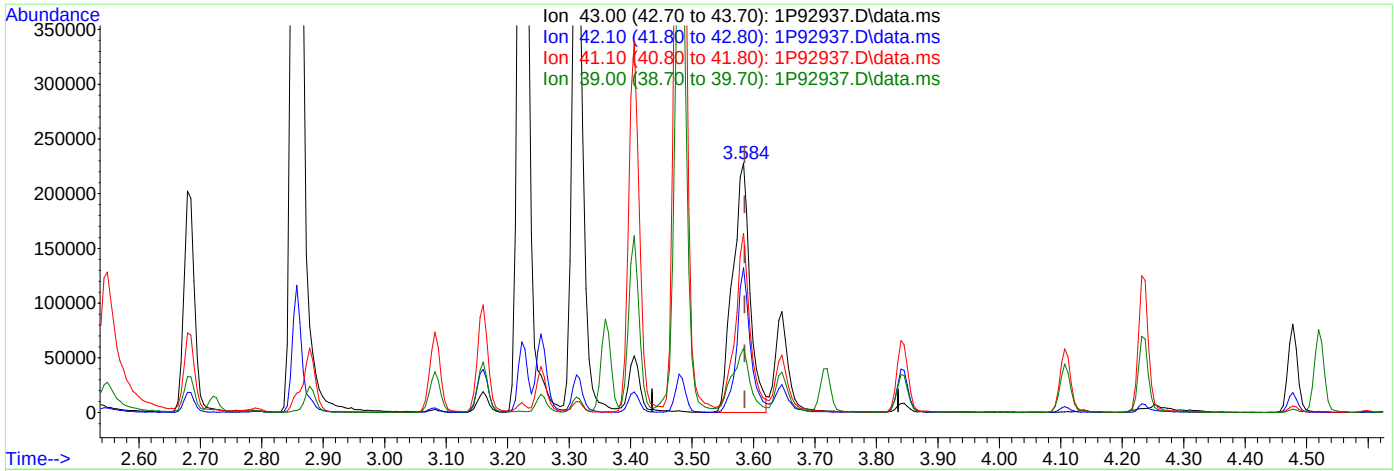
response 413262

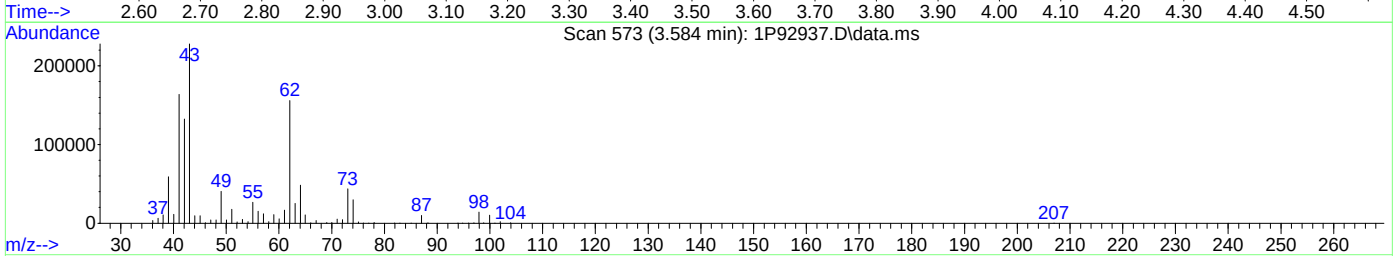
Ion	Exp%	Act%
43.00	100	100
42.10	57.70	57.95
41.10	72.00	69.80
39.00	27.20	24.27

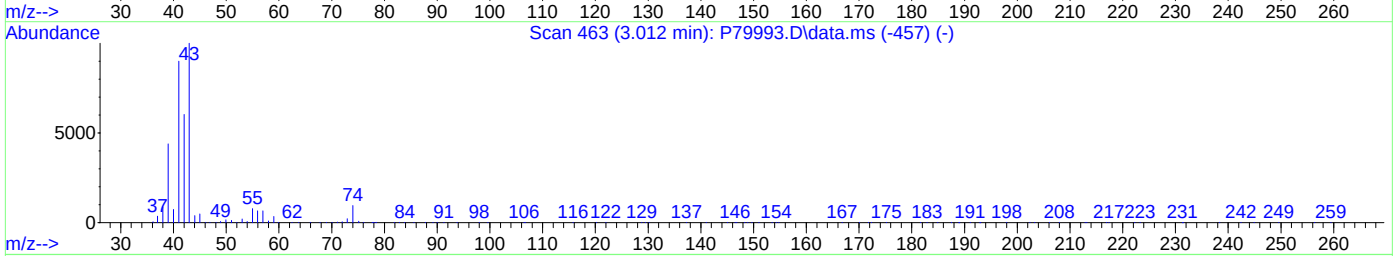
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92937.D
Acq On : 13 Sep 2022 10:24 pm
Operator : lindsayr
Sample : FA98710-12MSD,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 05:34:31 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92937.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.002) 499.27ug/L m

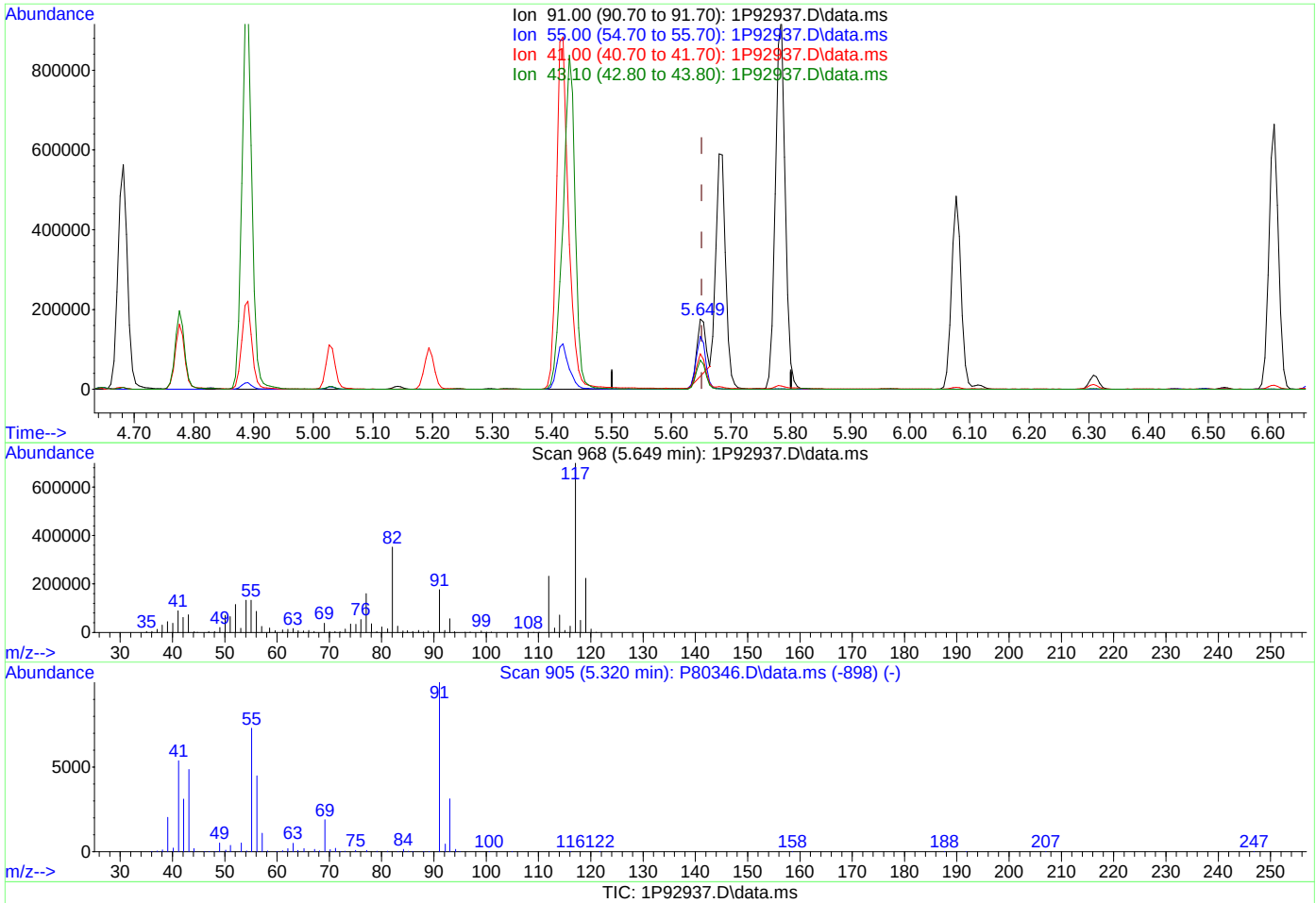
response 448280

Ion	Exp%	Act%
43.00	100	100
42.10	57.70	58.00
41.10	72.00	71.75
39.00	27.20	25.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92937.D
Acq On : 13 Sep 2022 10:24 pm
Operator : lindsayr
Sample : FA98710-12MSD,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 05:34:31 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration



TIC: 1P92937.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 17.11ug/L

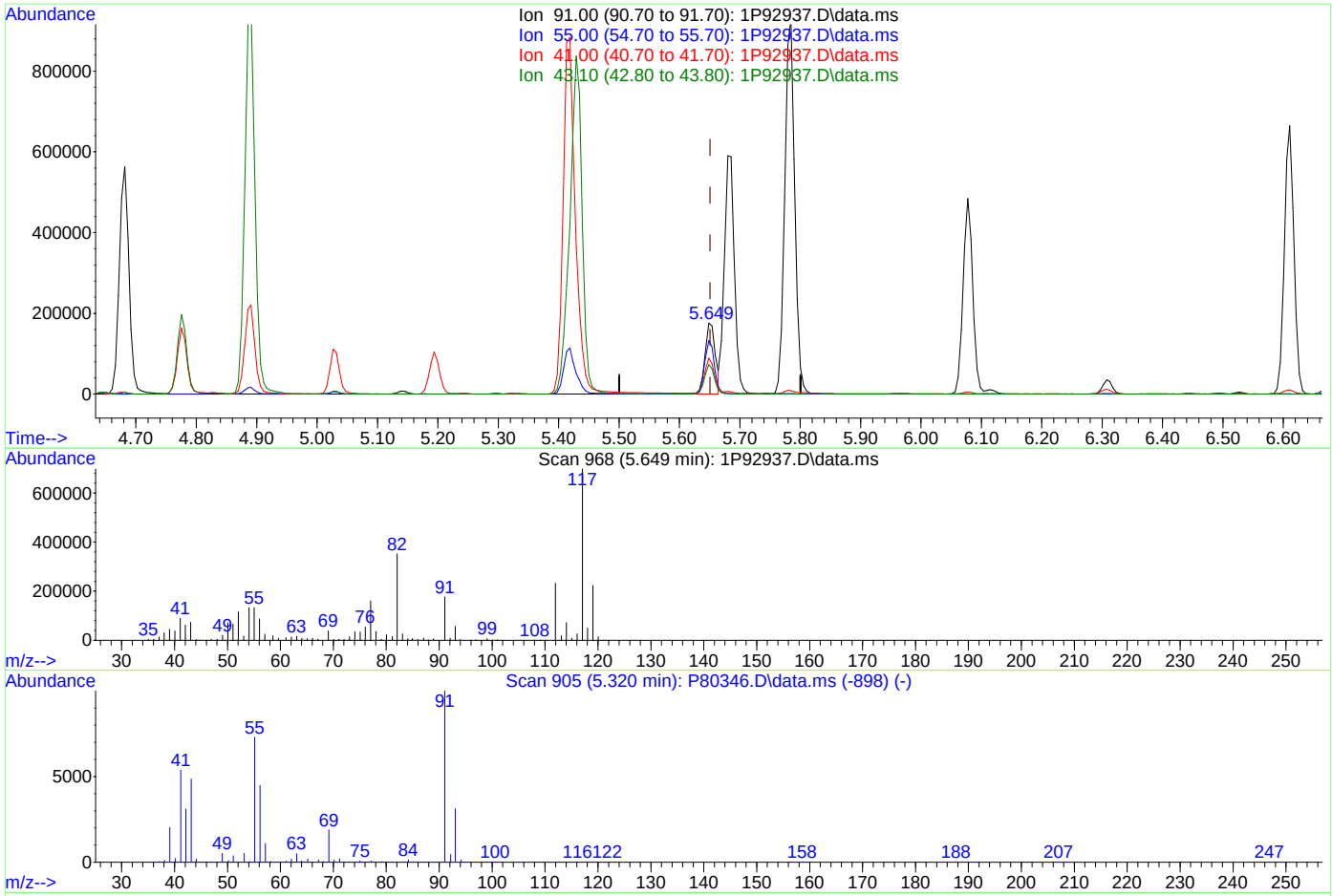
response 143653

Ion	Exp%	Act%
91.00	100	100
55.00	72.50	72.93
41.00	52.10	48.55
43.10	41.30	40.60

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92937.D
Acq On : 13 Sep 2022 10:24 pm
Operator : lindsayr
Sample : FA98710-12MSD,10x Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,10
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 05:34:31 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration



TIC: 1P92937.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 24.49ug/L m

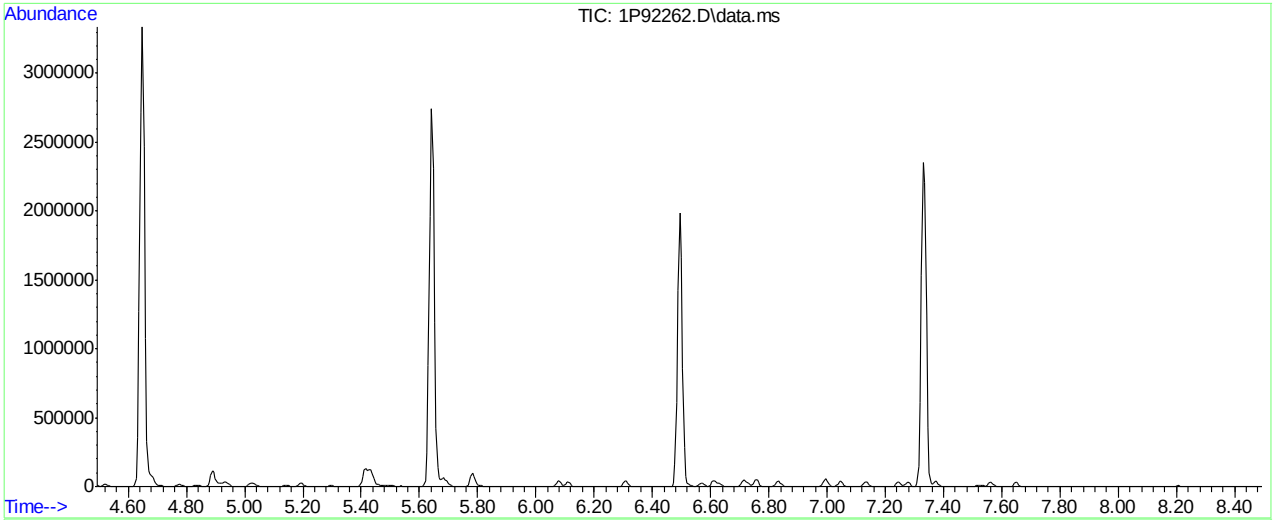
response 205591

Ion	Exp%	Act%
91.00	100	100
55.00	72.50	75.56
41.00	52.10	50.65
43.10	41.30	41.46

Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\2022-08-24\1P92262.D Vial: 2
Acq On : 24 Aug 2022 9:34 am Operator: courtnef
Sample : BFB Inst : MSVOA13
Misc : MS52202,V1P3565,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\1\MET...V1P_2022-08-24.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1128, 1129, 1130; Background Corrected with Scan 1121

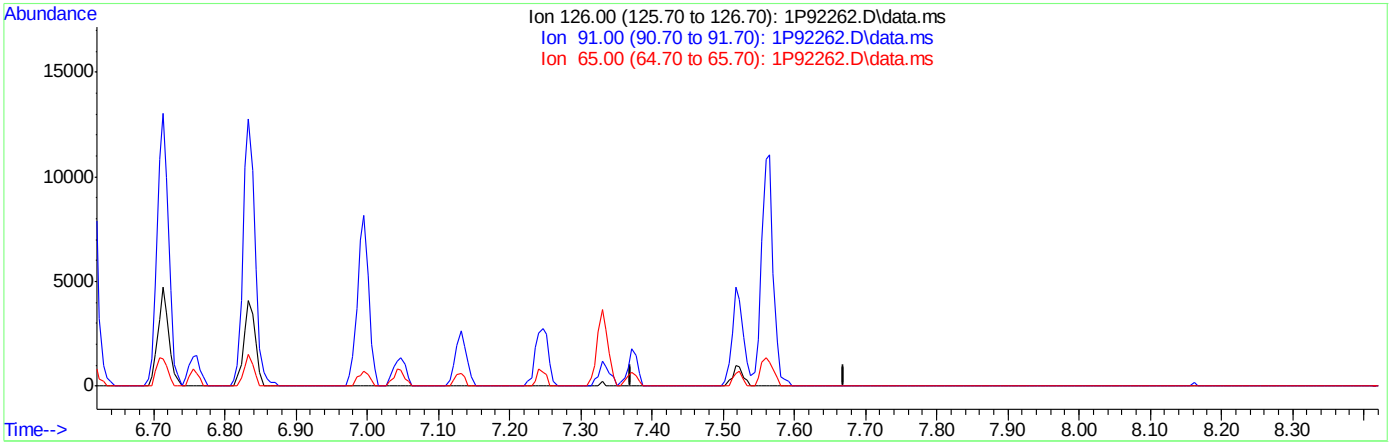
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.0	70069	PASS
75	95	30	60	50.8	187413	PASS
95	95	100	100	100.0	369130	PASS
96	95	5	9	7.0	25837	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	70.6	260714	PASS
175	174	5	9	7.6	19810	PASS
176	174	95	101	95.0	247765	PASS
177	176	5	9	6.6	16293	PASS

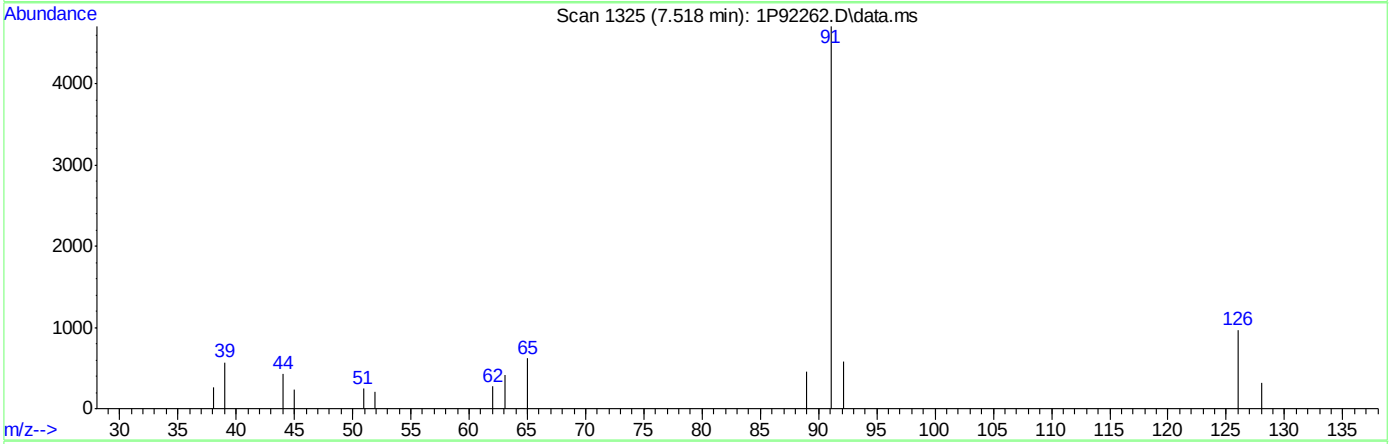
1P92262.D V1P_2022-08-24.M Wed Aug 24 09:47:40 2022

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(107) Benzyl Chloride

7.520min (-7.520) 0.00ug/L

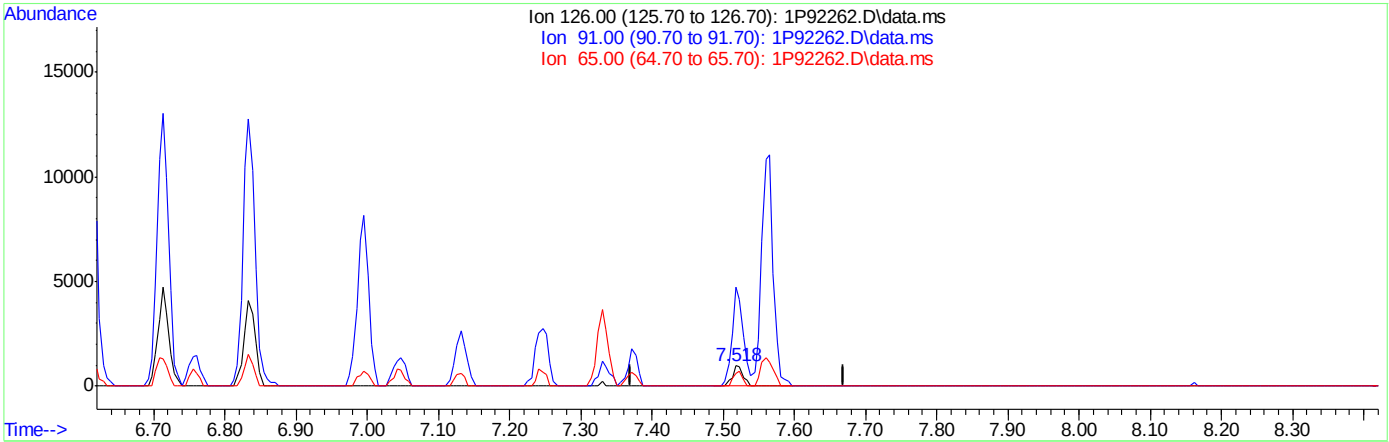
response 0

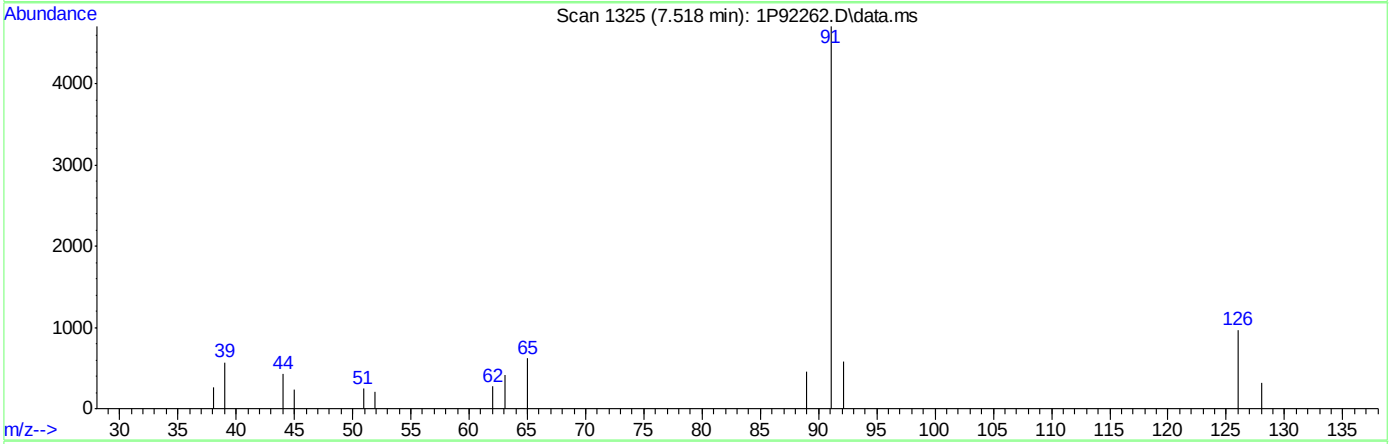
Ion	Exp%	Act%
126.00	100	0.00
91.00	522.30	0.00#
65.00	61.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(107) Benzyl Chloride

7.518min (-0.002) 0.57ug/L m

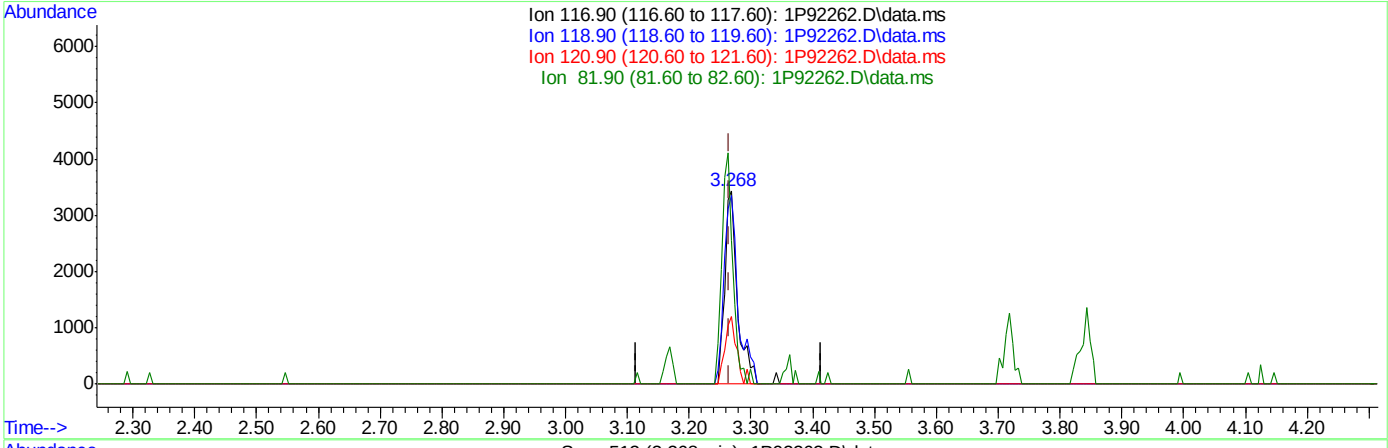
response 1022

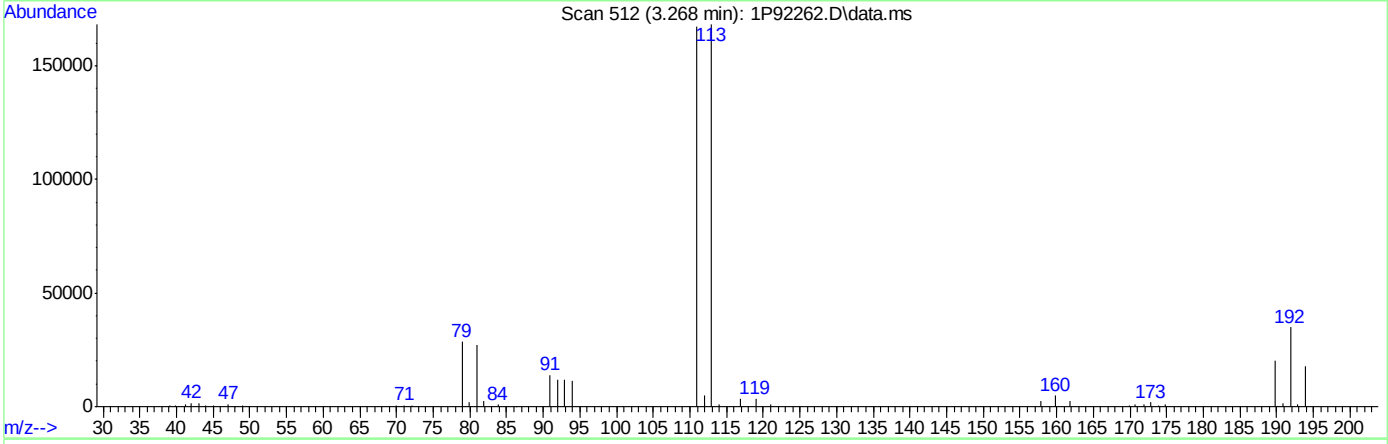
Ion	Exp%	Act%
126.00	100	100
91.00	522.30	486.17#
65.00	61.30	63.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (+0.003) 0.79ug/L

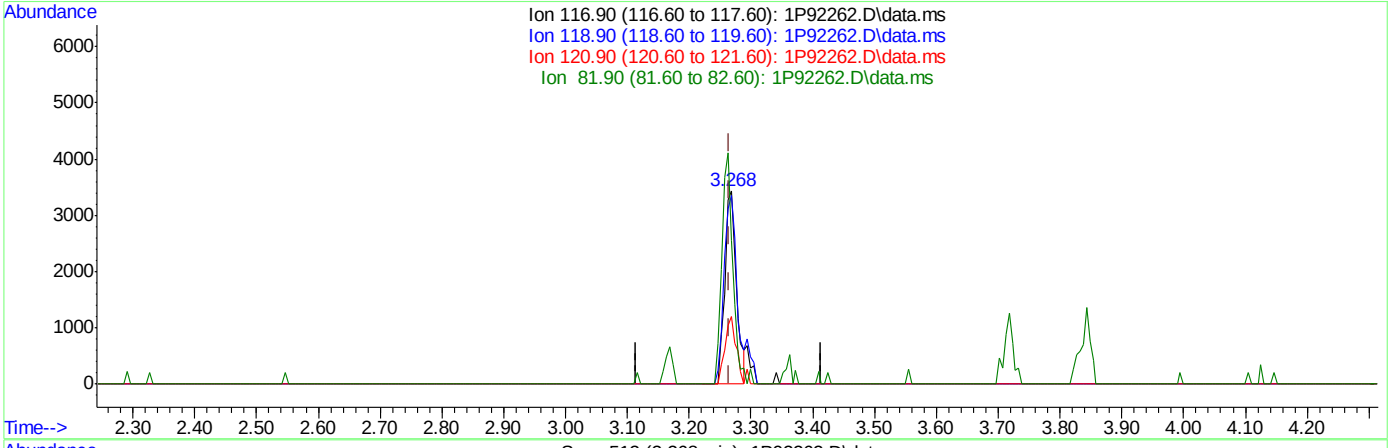
response 4787

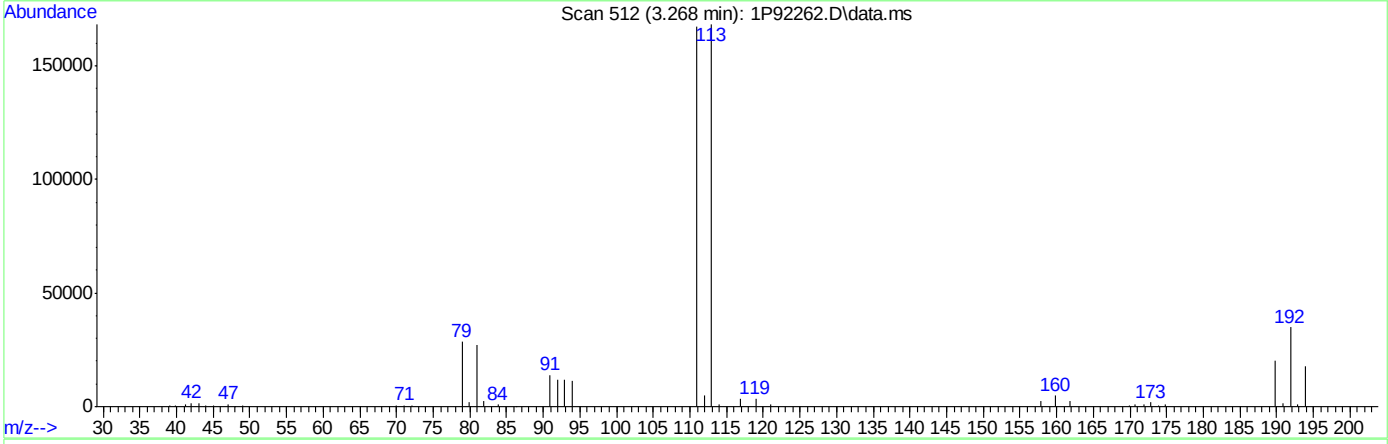
Ion	Exp%	Act%
116.90	100	100
118.90	94.50	97.87
120.90	30.70	35.28
81.90	28.60	74.76#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (+0.003) 0.72ug/L m

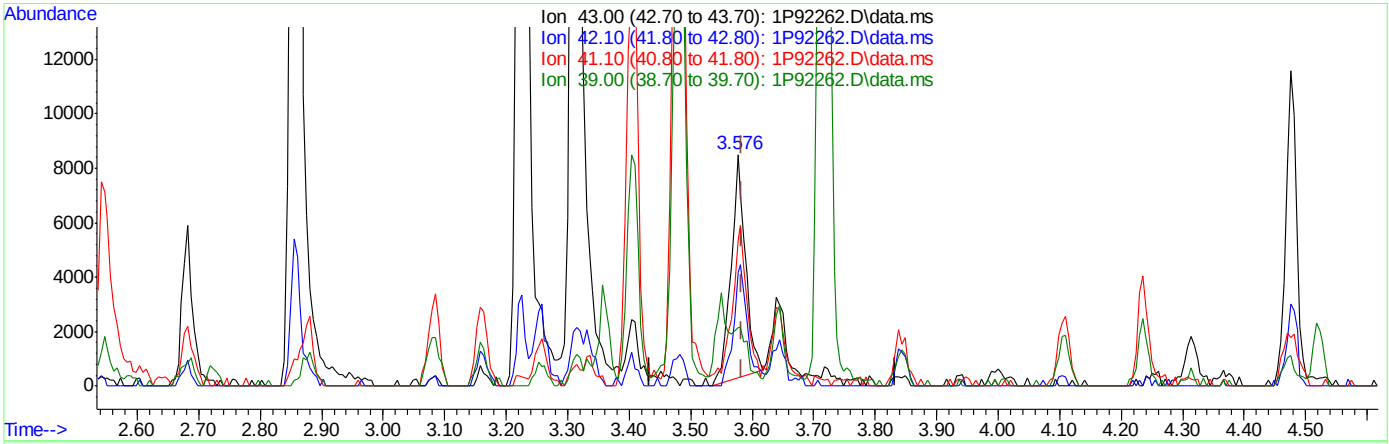
response 4379

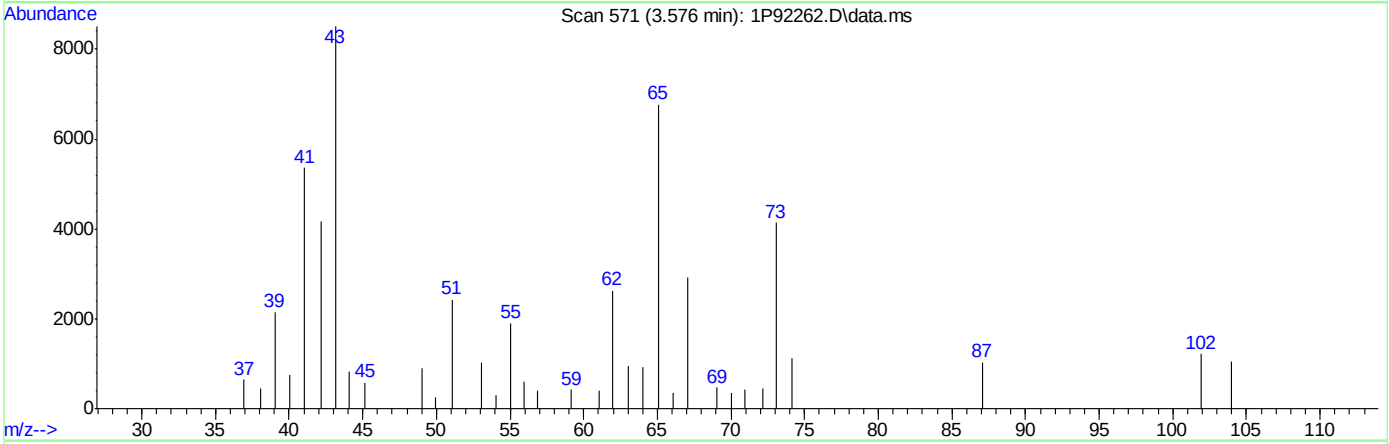
Ion	Exp%	Act%
116.90	100	100
118.90	94.50	97.87
120.90	30.70	35.28
81.90	28.60	74.76#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(50) Isobutyl alcohol

3.576min (-0.007) 16.91ug/L

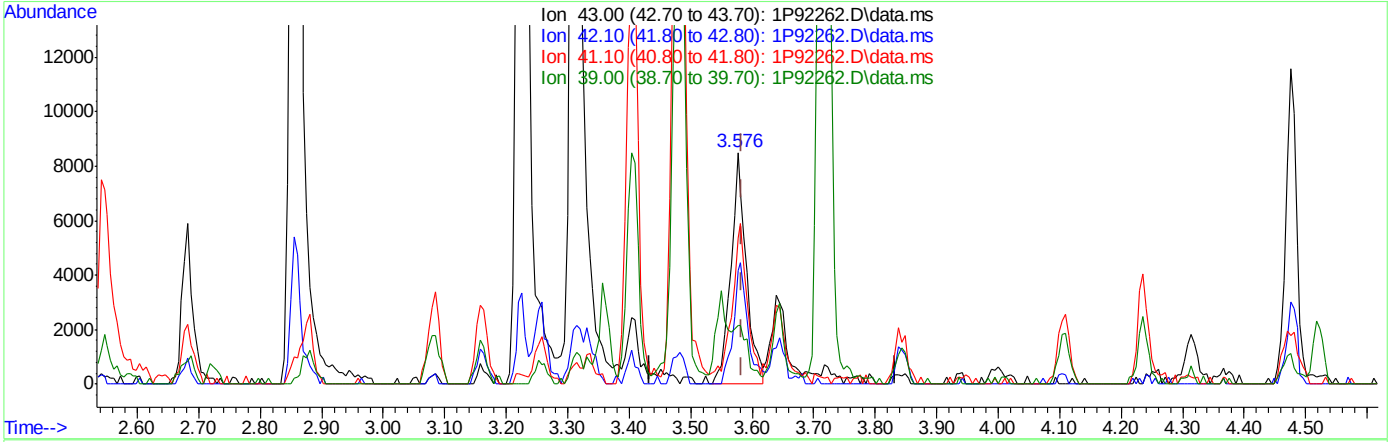
response 13621

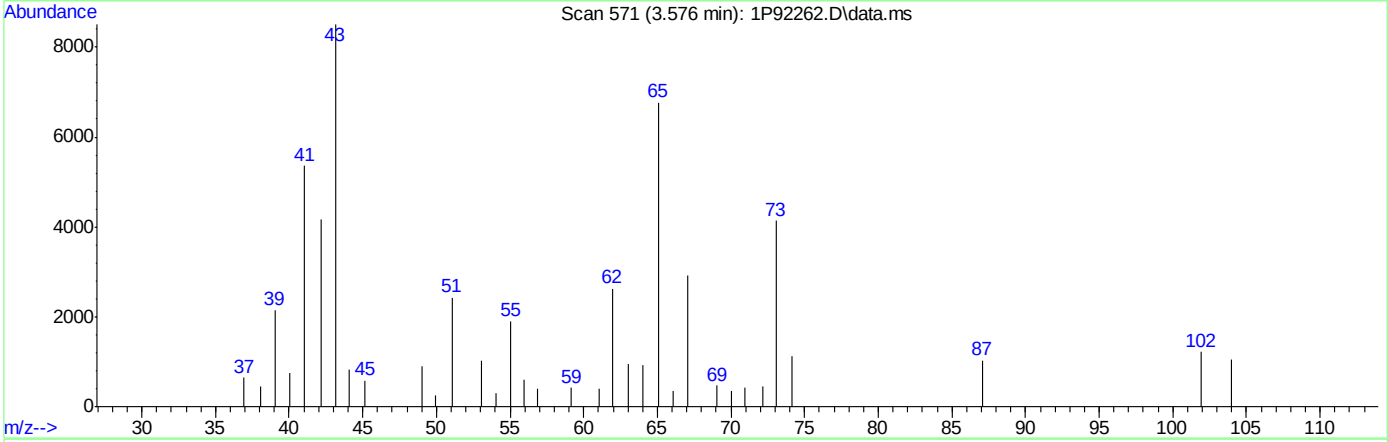
Ion	Exp%	Act%
43.00	100	100
42.10	56.90	49.01
41.10	70.50	58.09
39.00	27.60	22.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(50) Isobutyl alcohol

3.576min (-0.007) 18.74ug/L m

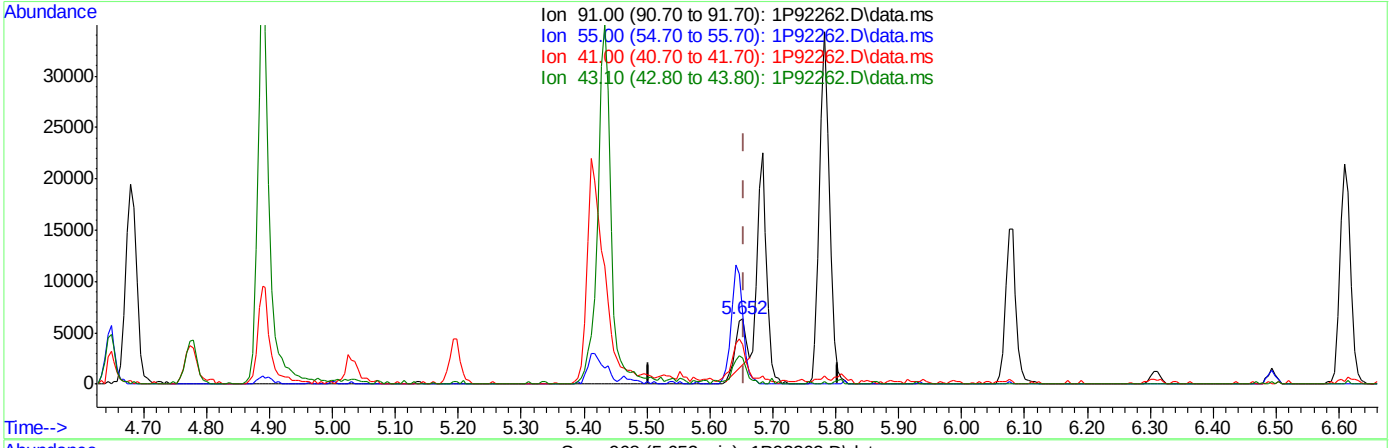
response 15094

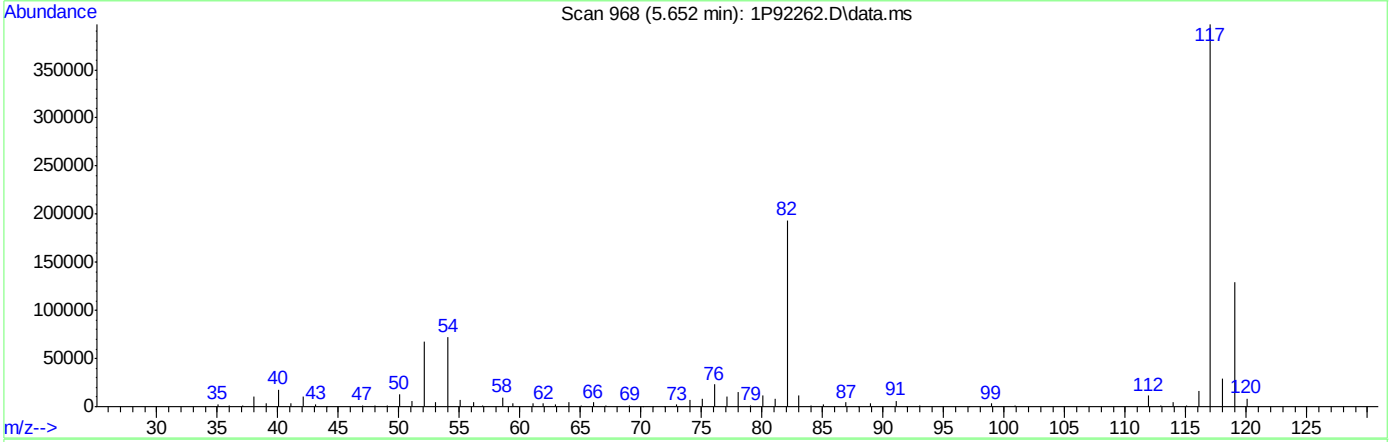
Ion	Exp%	Act%
43.00	100	100
42.10	56.90	49.01
41.10	70.50	62.96
39.00	27.60	25.36

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(76) 1-Chlorohexane

5.652min (-0.002) 0.67ug/L

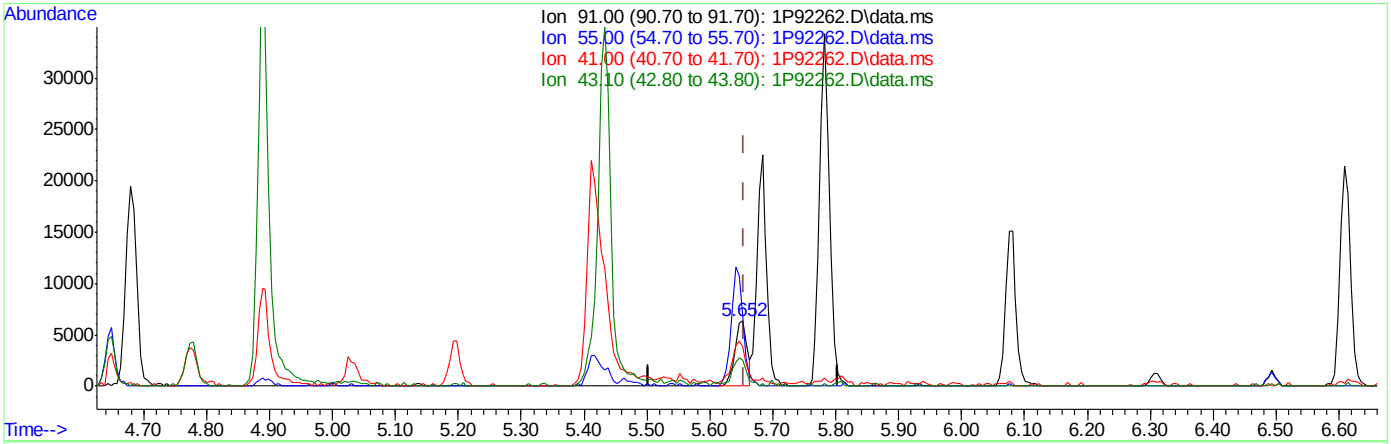
response 5274

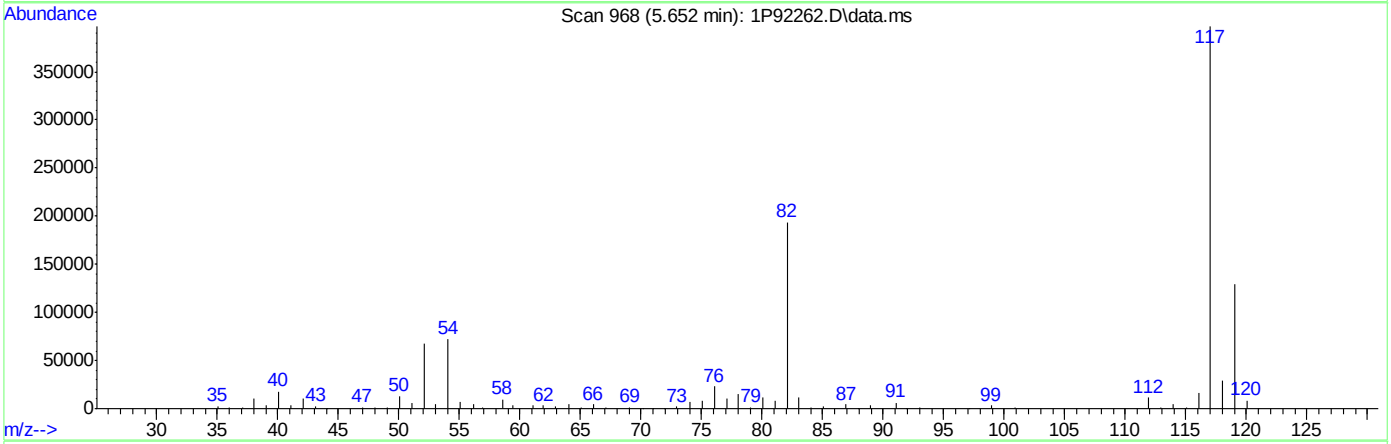
Ion	Exp%	Act%
91.00	100	100
55.00	67.30	96.41#
41.00	46.80	45.76
43.10	40.60	36.46

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(76) 1-Chlorohexane

5.652min (-0.002) 1.06ug/L m

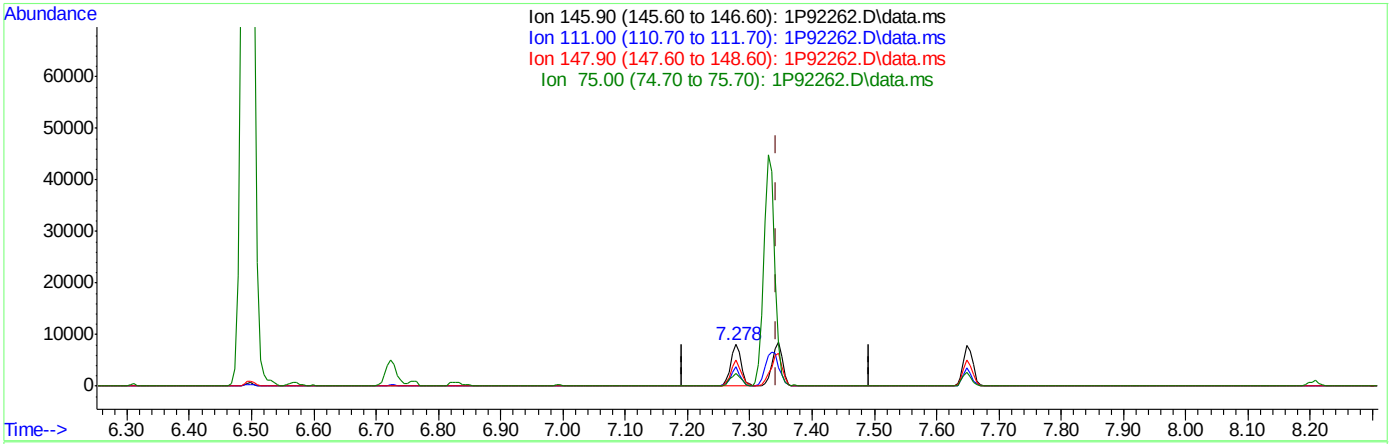
response 8298

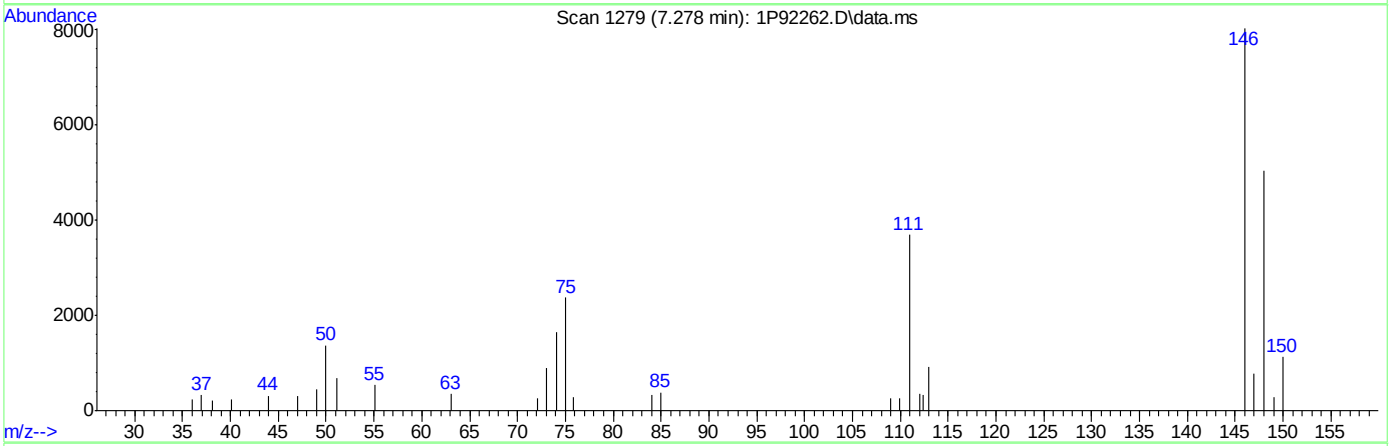
Ion	Exp%	Act%
91.00	100	100
55.00	67.30	109.40#
41.00	46.80	60.18
43.10	40.60	40.50

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(105) 1,4-Dichlorobenzene

7.278min (-0.065) 0.88ug/L

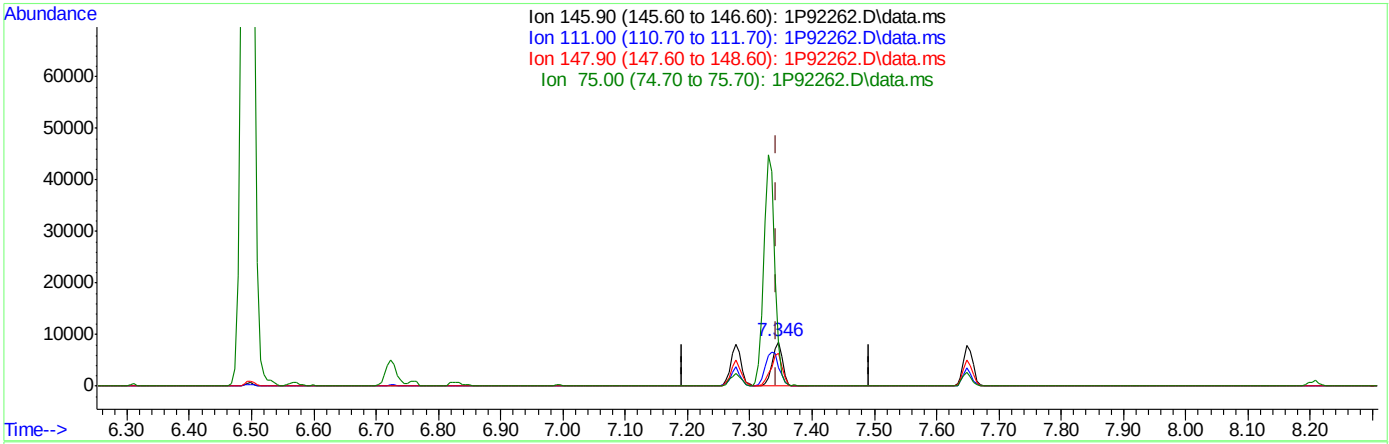
response 9065

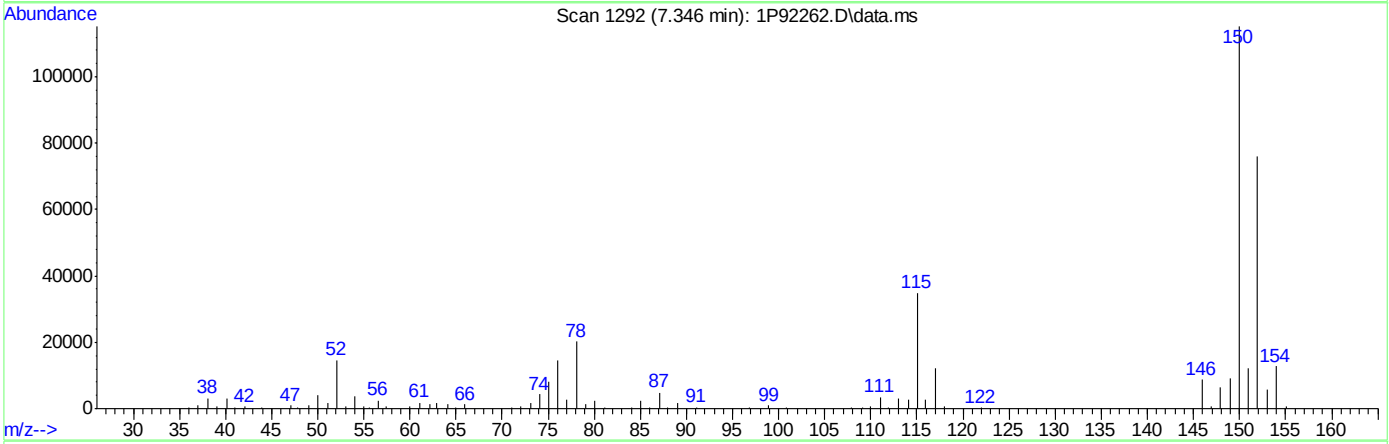
Ion	Exp%	Act%
145.90	100	100
111.00	41.70	46.03
147.90	67.20	62.77
75.00	38.40	29.61

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(105) 1,4-Dichlorobenzene

7.346min (+0.003) 0.91ug/L m

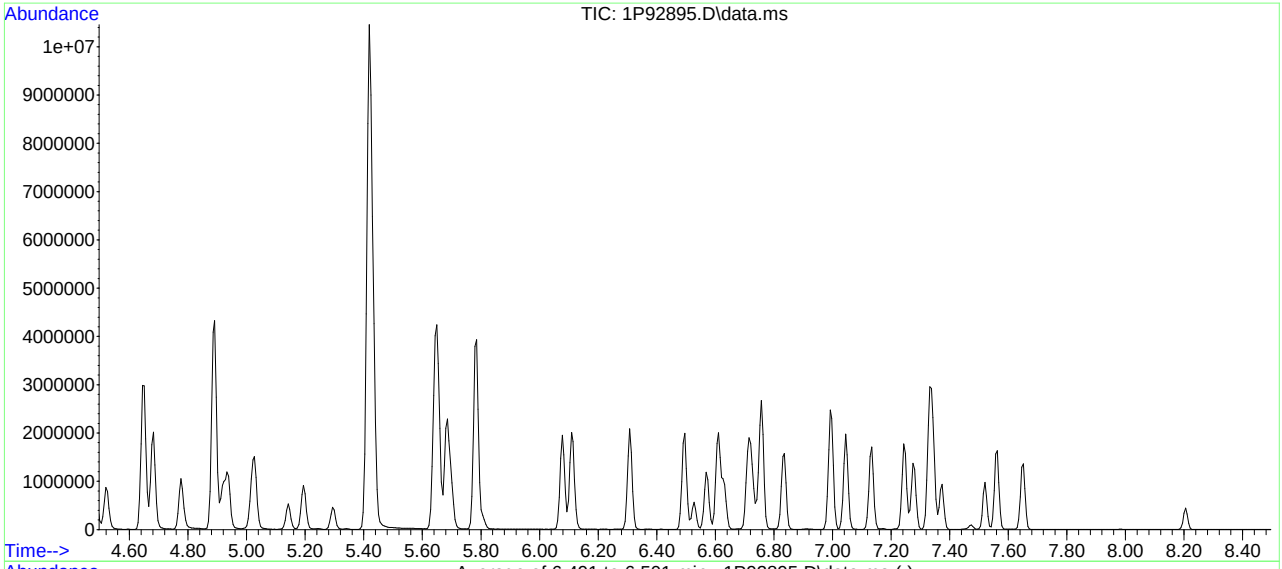
response 9418

Ion	Exp%	Act%
145.90	100	100
111.00	41.70	40.20
147.90	67.20	74.78
75.00	38.40	94.90#

Methods: SW-846 8260B

```
Data File : C:\msdchem\1\data\jo...022\v1p3579\1P92895.D Vial: 2
Acq On    : 13 Sep 2022  11:04 am                    Operator: lindsayr
Sample    : BFB                                      Inst    : MSVOA13
Misc      : MS52362,V1P3579,,,,,                     Multiplr: 1.00
MS Integration Params: big.p

Method    : C:\msdchem\1\met...V1P_2022-08-24.M (RTE Integrator)
Title     : SW-846 Method 5035A/8260B
```



AutoFind: Scans 1129, 1130, 1131; Background Corrected with Scan 1122

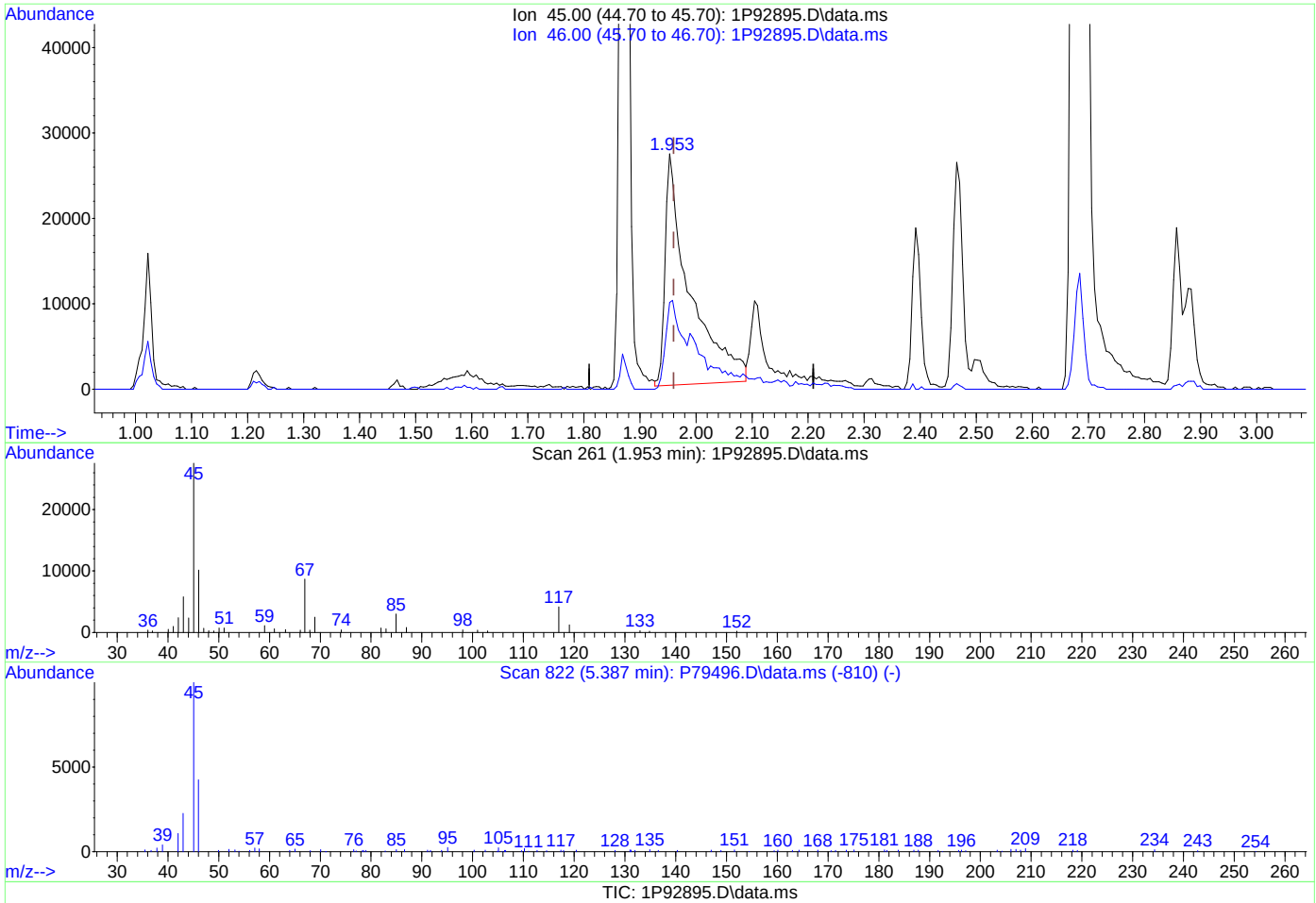
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.7	62429	PASS
75	95	30	60	47.2	175837	PASS
95	95	100	100	100.0	372843	PASS
96	95	5	9	6.6	24443	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	73.4	273579	PASS
175	174	5	9	7.8	21461	PASS
176	174	95	101	99.3	271787	PASS
177	176	5	9	6.7	18180	PASS

1P92895.D V1P_2022-08-24.M Wed Sep 14 05:36:01 2022

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:33:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration



TIC: 1P92895.D\data.ms

(10) Ethanol

1.953min (-0.007) 649.51ug/L

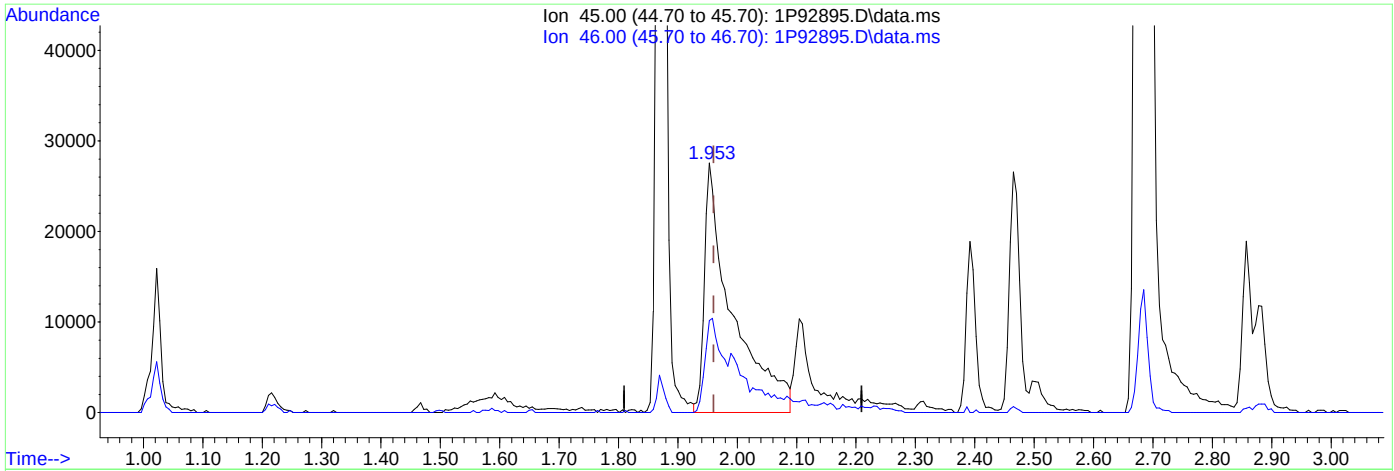
response 82488

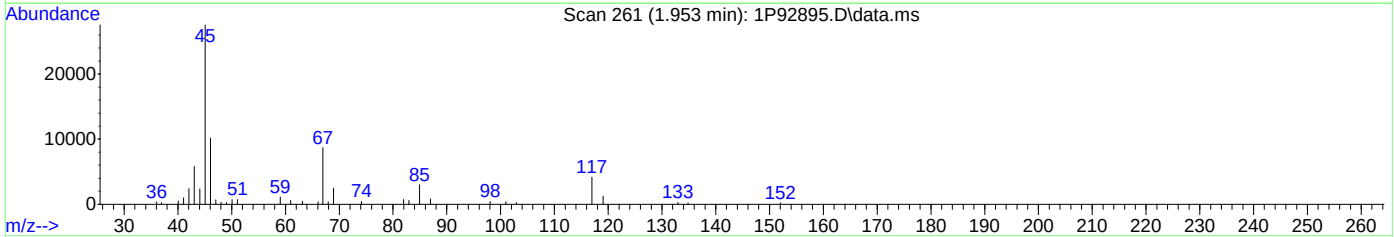
Ion	Exp%	Act%
45.00	100	100
46.00	41.40	38.11
0.00	0.00	0.00
0.00	0.00	0.00

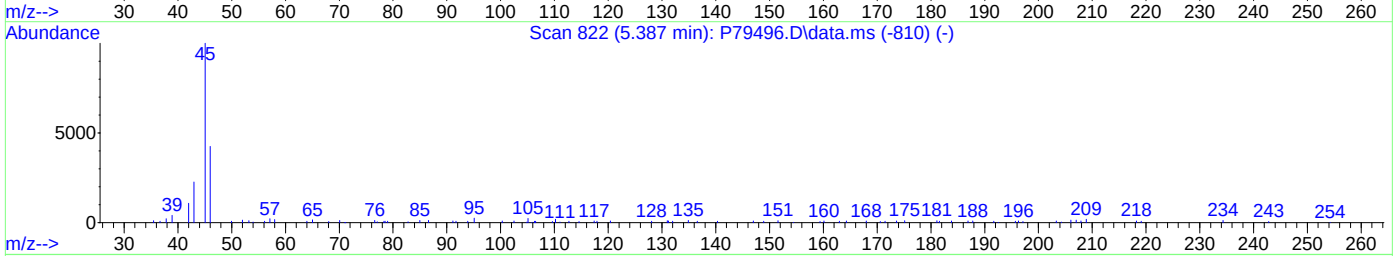
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:33:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92895.D\data.ms

(10) Ethanol

1.953min (-0.007) 700.12ug/L m

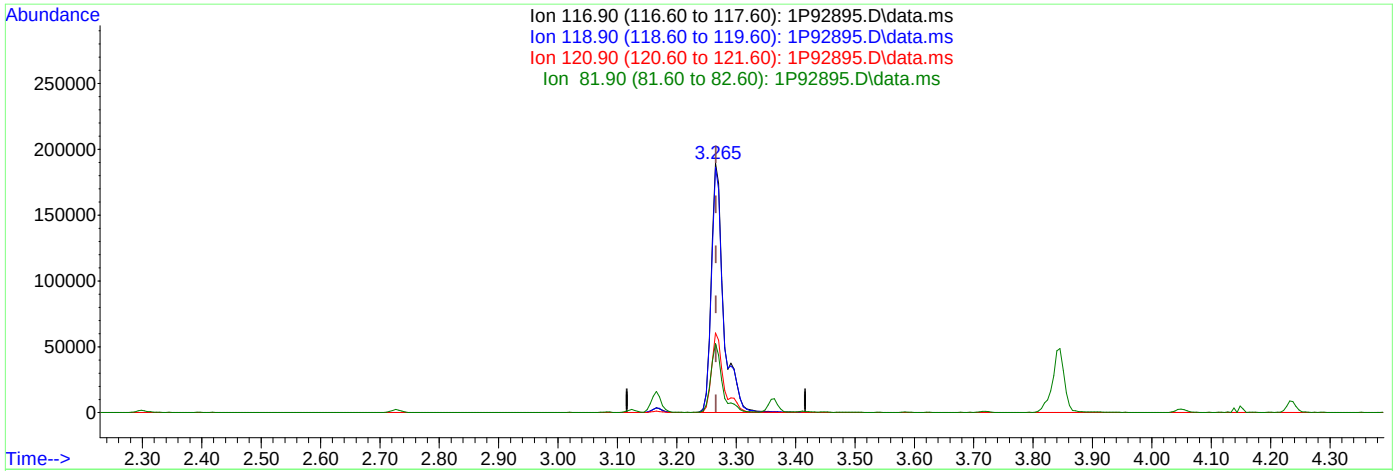
response 88916

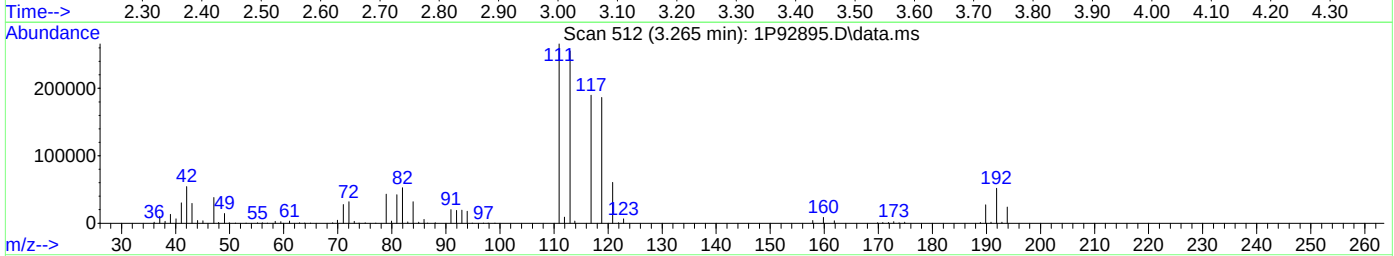
Ion	Exp%	Act%
45.00	100	100
46.00	41.40	36.81
0.00	0.00	0.00
0.00	0.00	0.00

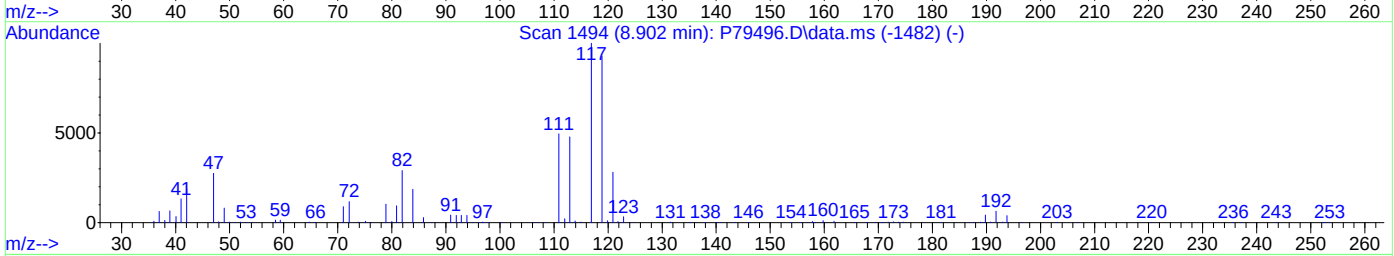
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:33:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92895.D\data.ms

(40) Carbon Tetrachloride ( )

3.265min (-0.001) 43.88ug/L

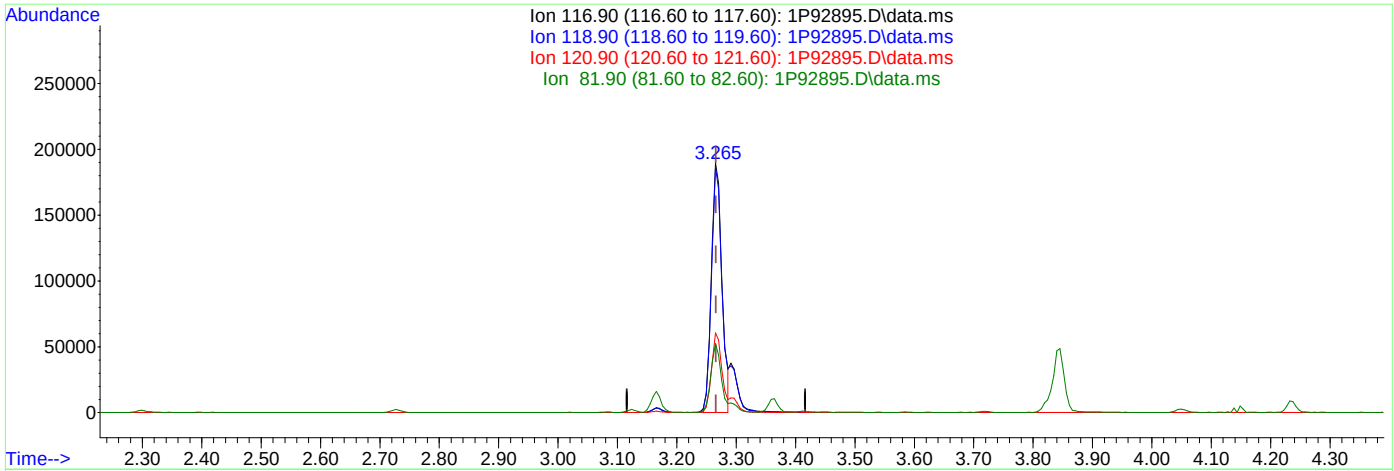
response 274794

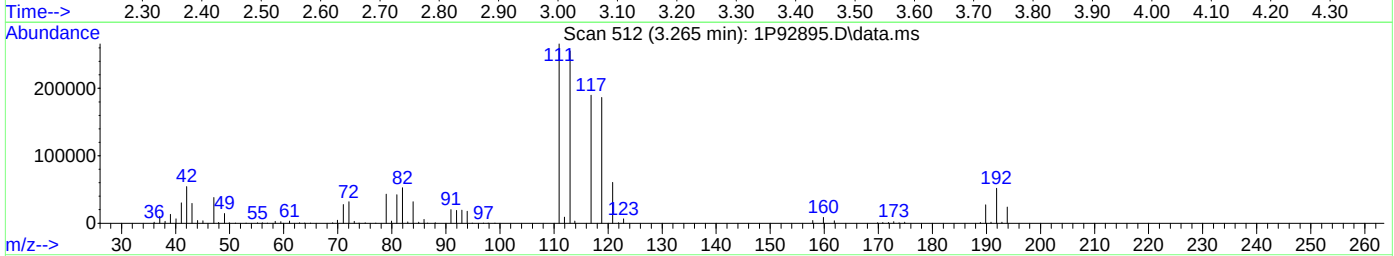
Ion	Exp%	Act%
116.90	100	100
118.90	93.30	98.21
120.90	30.70	31.97
81.90	26.50	27.50

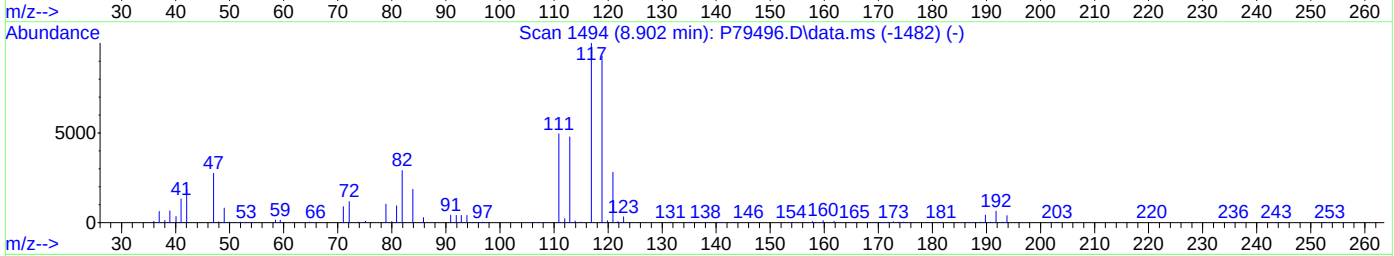
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:33:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92895.D\data.ms

(40) Carbon Tetrachloride ( )

3.265min (-0.001) 38.08ug/L m

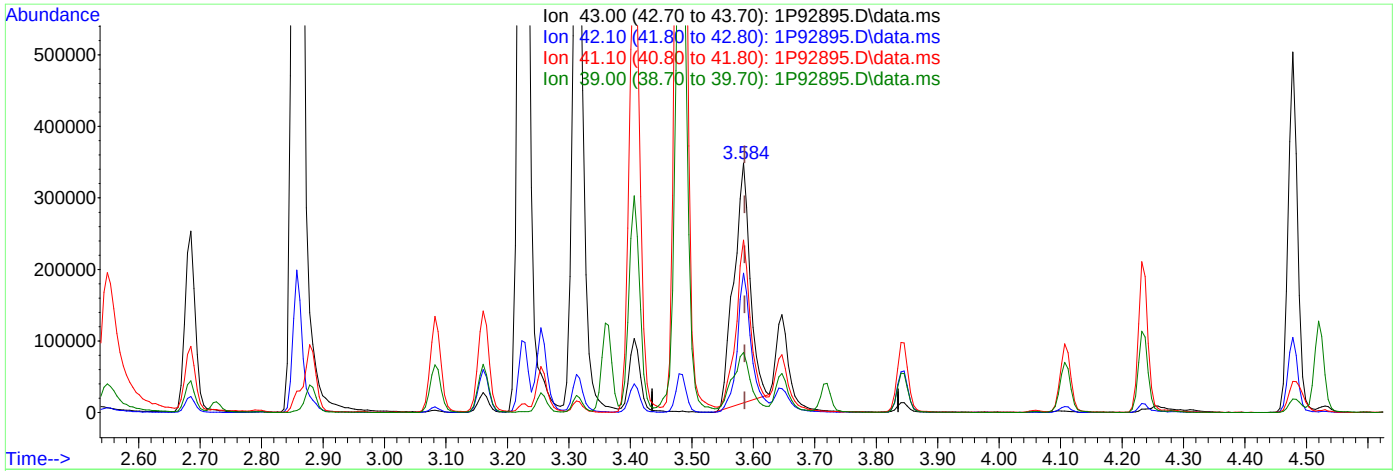
response 236535

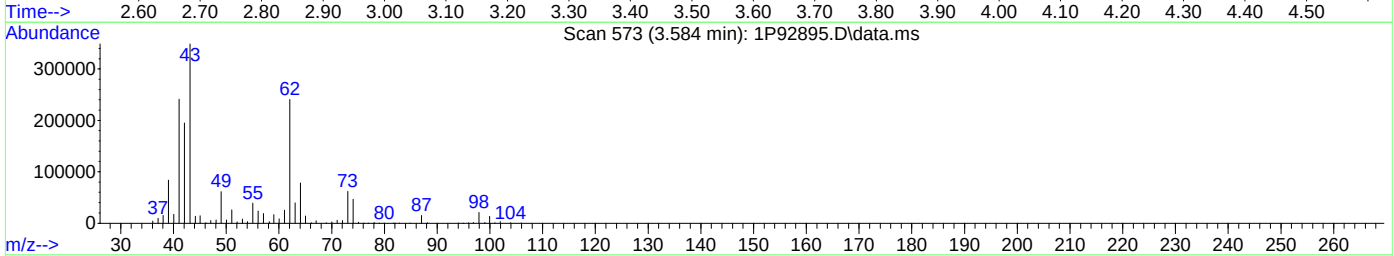
Ion	Exp%	Act%
116.90	100	100
118.90	93.30	98.21
120.90	30.70	31.97
81.90	26.50	27.65

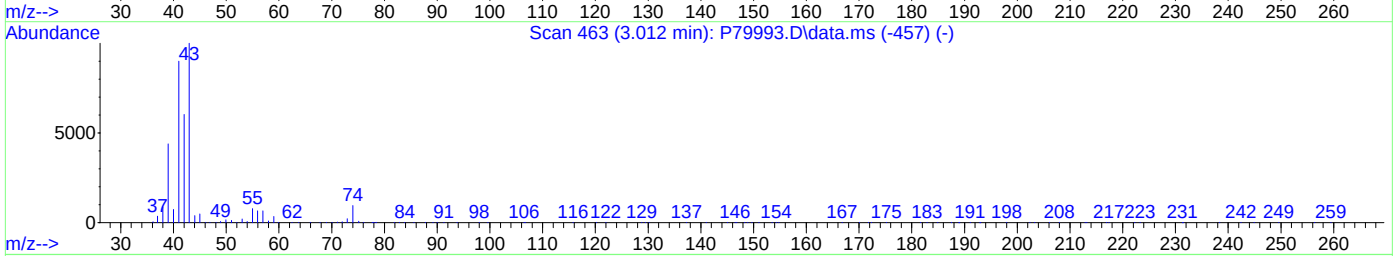
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:33:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92895.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.002) 705.11ug/L

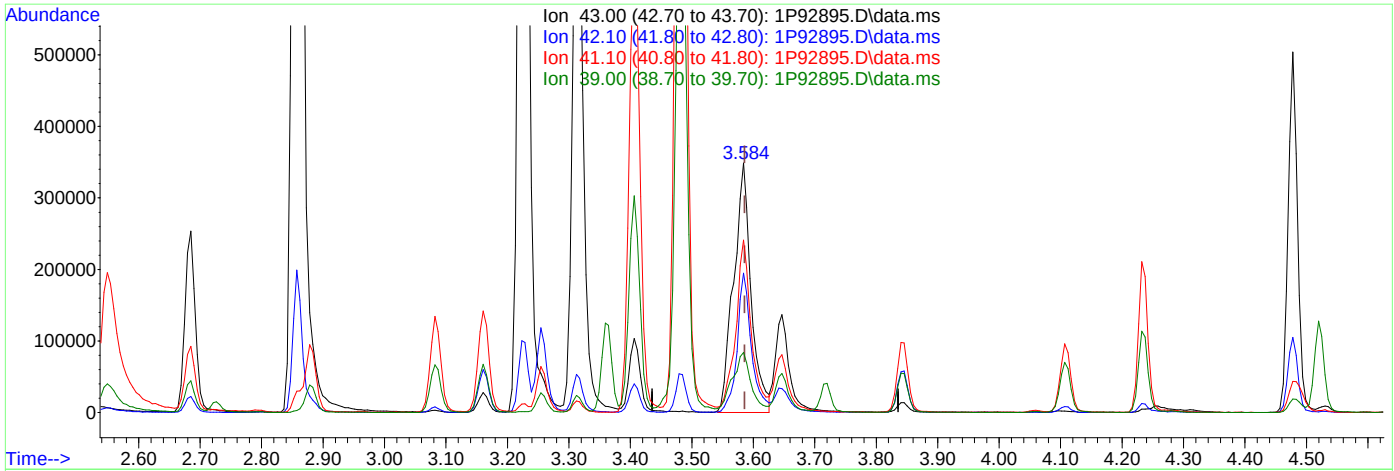
response 618582

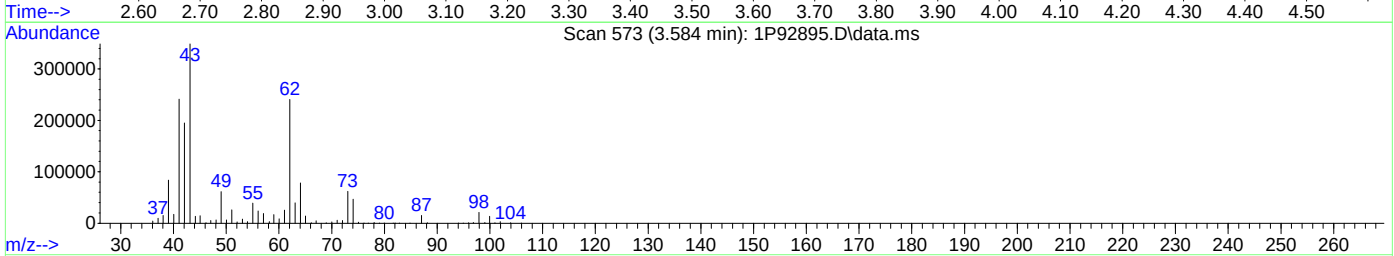
Ion	Exp%	Act%
43.00	100	100
42.10	57.70	55.77
41.10	72.00	66.91
39.00	27.20	22.56

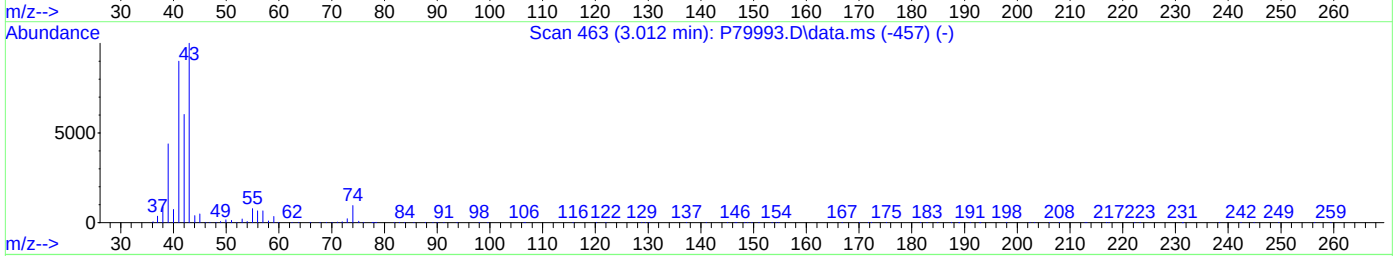
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:33:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92895.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.002) 781.07ug/L m

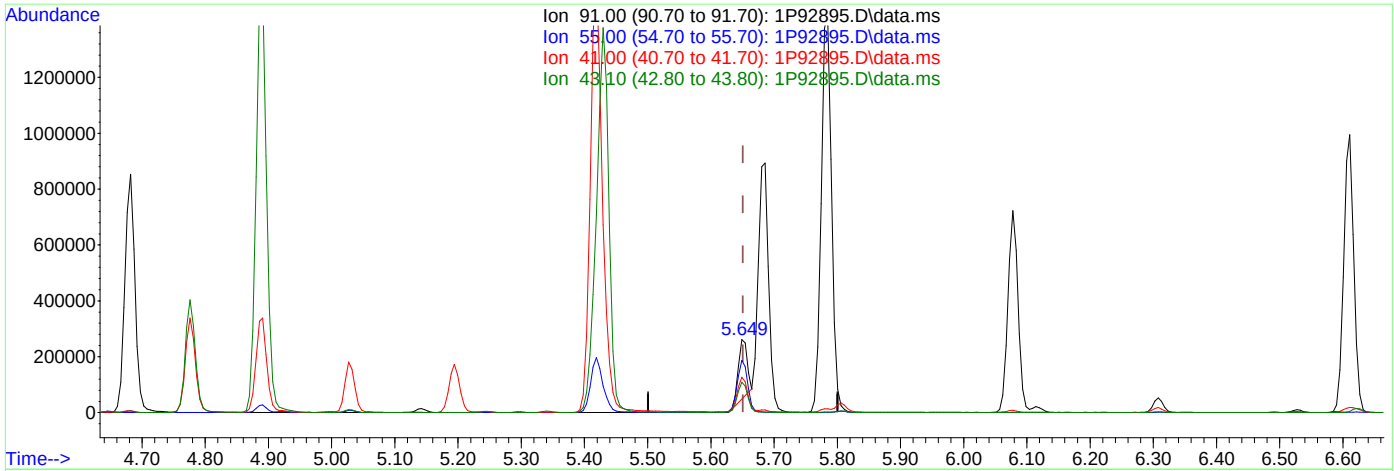
response 685220

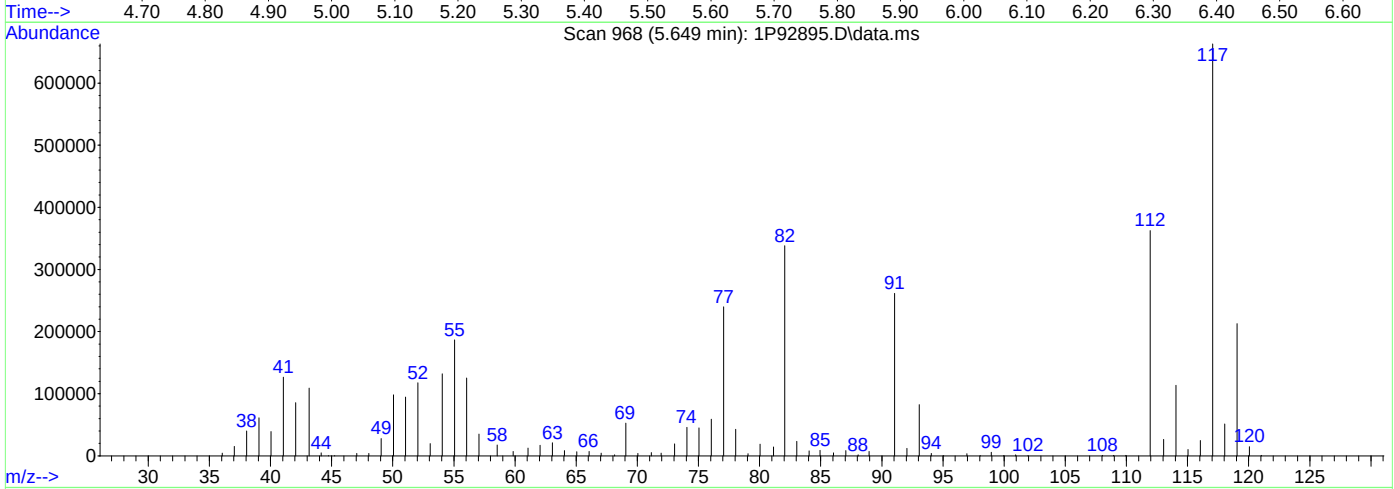
Ion	Exp%	Act%
43.00	100	100
42.10	57.70	55.81
41.10	72.00	69.08
39.00	27.20	24.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:46:40 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration





TIC: 1P92895.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 26.02ug/L

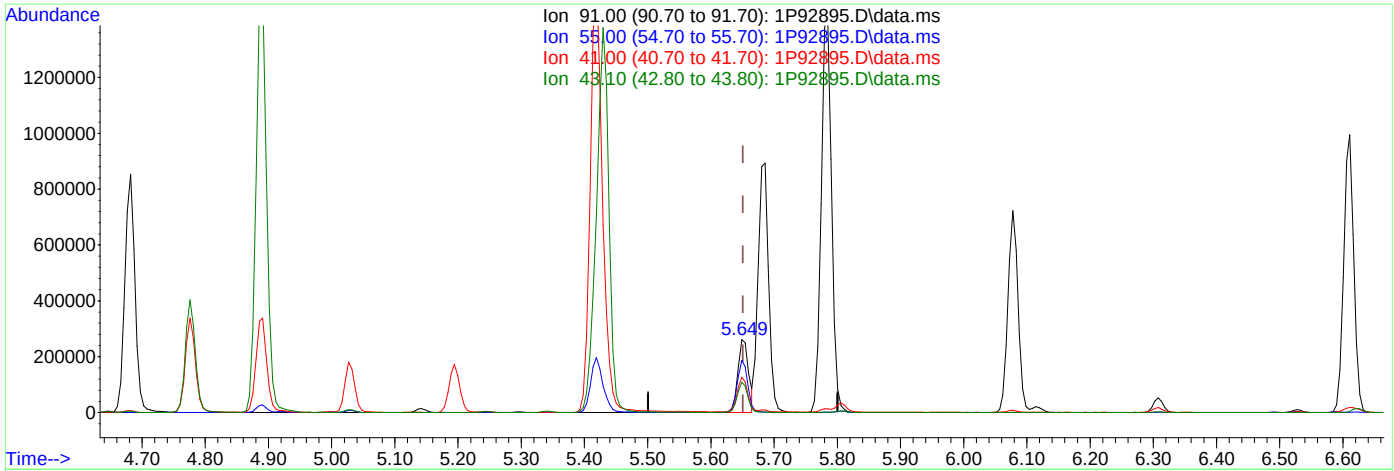
response 214172

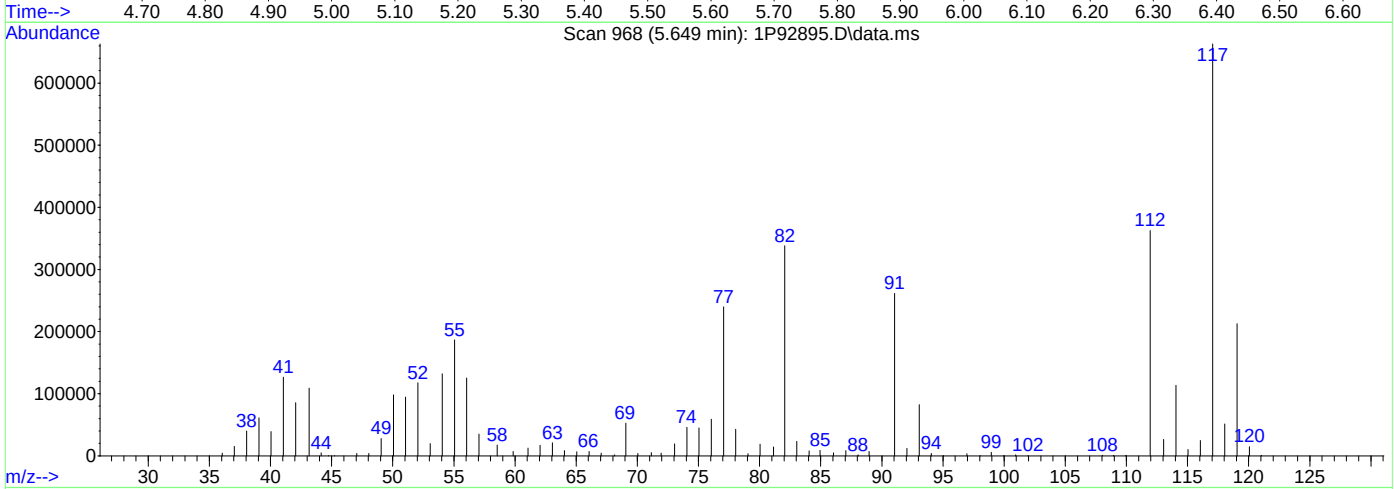
Ion	Exp%	Act%
91.00	100	100
55.00	72.50	68.28
41.00	52.10	45.90
43.10	41.30	40.18

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:46:40 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration





TIC: 1P92895.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 37.20ug/L m

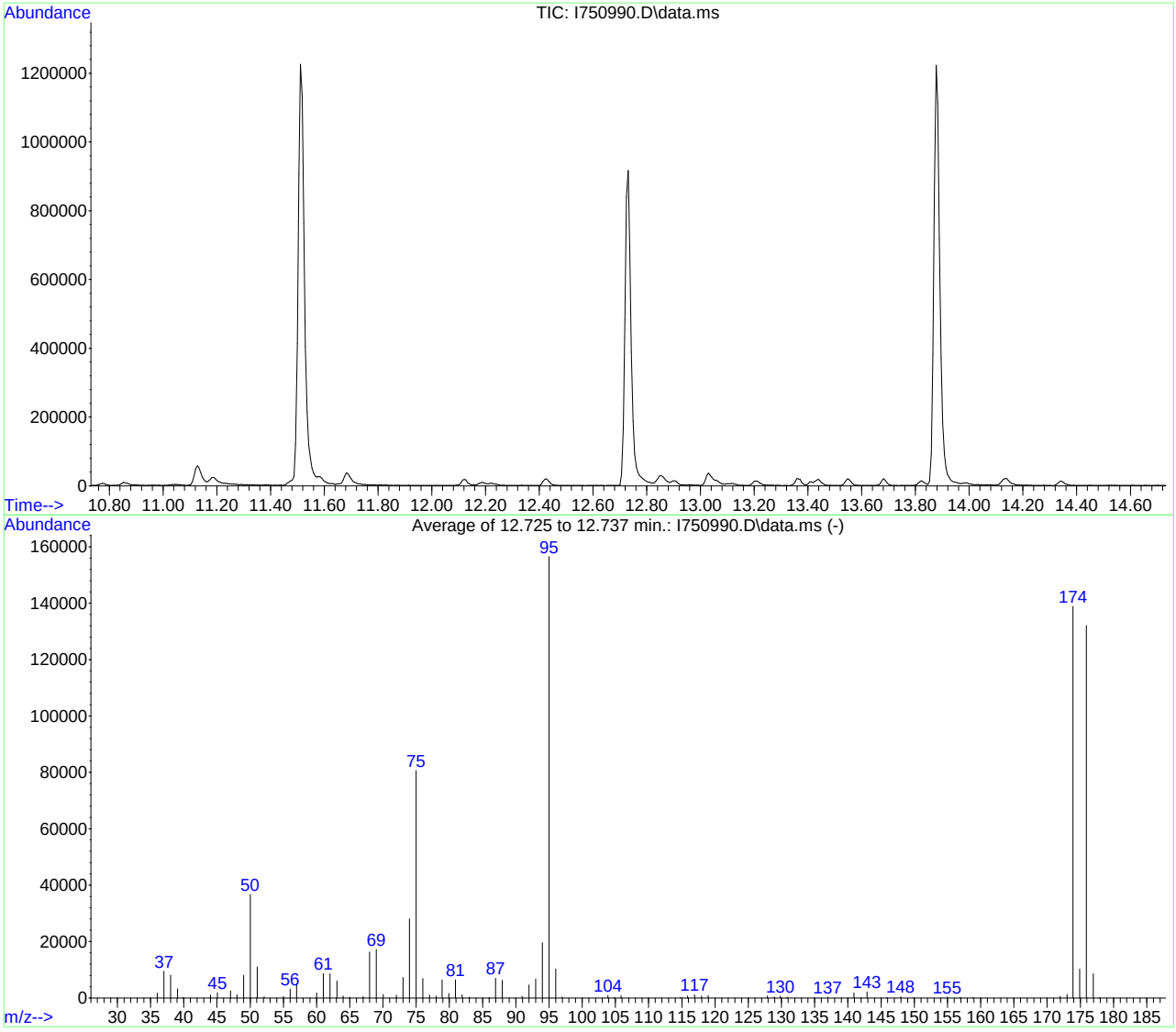
response 306226

Ion	Exp%	Act%
91.00	100	100
55.00	72.50	71.37
41.00	52.10	48.39
43.10	41.30	41.63

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2022-08-30\I750990.D Vial: 2
Acq On : 30 Aug 2022 11:20 am Operator: adelardl
Sample : BFB Inst : MSVOA16
Misc : MS52156,VI2679,,,,, Multiplr: 1.00
MS Integration Params: tiny.p

Method : C:\msdchem\1\met...22-08-30APP9-I.m (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1909, 1910, 1911; Background Corrected with Scan 1902

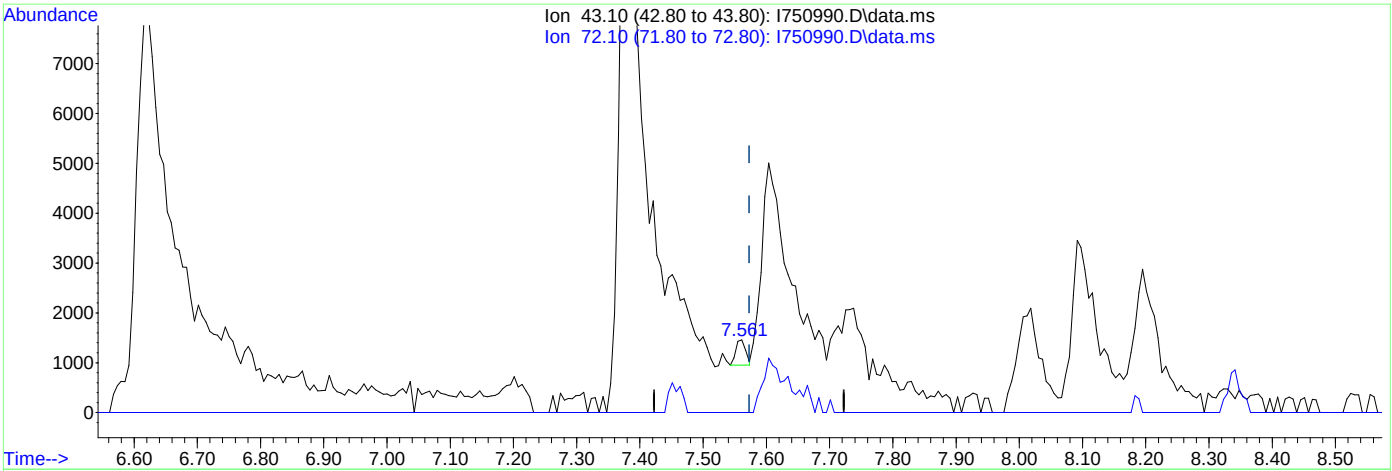
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.5	36749	PASS
75	95	30	60	51.5	80635	PASS
95	95	100	100	100.0	156499	PASS
96	95	5	9	6.6	10301	PASS
173	174	0.00	2	0.9	1192	PASS
174	95	50	100	88.7	138824	PASS
175	174	5	9	7.4	10292	PASS
176	174	95	101	95.1	132088	PASS
177	176	5	9	6.4	8489	PASS

I750990.D 2022-08-30APP9-I.m Thu Sep 01 09:28:35 2022

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750990.D
Acq On : 30 Aug 2022 11:20 am
Operator : adelardl
Sample : IC2679-1
Misc : MS52156,VI2679,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 30 11:59:00 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration



TIC: I750990.D\data.ms

(42) 2-Butanone

7.561min (-0.012) 0.10ug/L

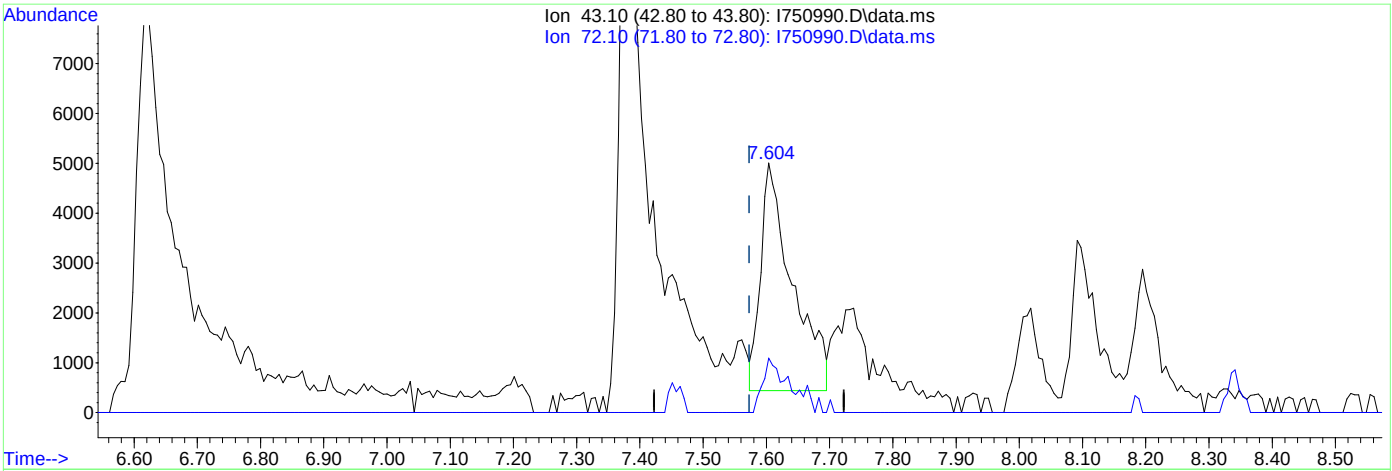
response 545

Ion	Exp%	Act%
43.10	100	100
72.10	20.70	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750990.D
Acq On : 30 Aug 2022 11:20 am
Operator : adelardl
Sample : IC2679-1
Misc : MS52156,VI2679,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 30 11:59:00 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration



TIC: I750990.D\data.ms

(42) 2-Butanone

7.604min (+0.031) 2.95ug/L m

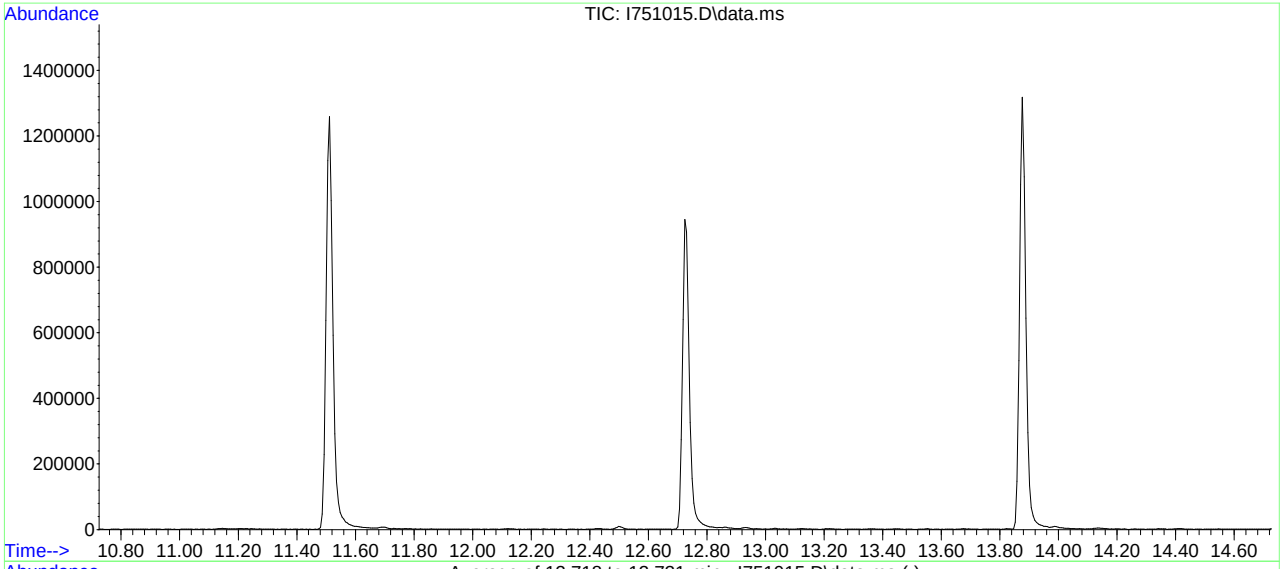
response 15806

Ion	Exp%	Act%
43.10	100	100
72.10	20.70	21.80
0.00	0.00	0.00
0.00	0.00	0.00

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2022-08-31\I751015.D Vial: 1
Acq On : 31 Aug 2022 1:16 pm Operator: KarenW
Sample : BFB Inst : MSVOA16
Misc : MS52297,VI2680,,,,, Multiplr: 1.00
MS Integration Params: tiny.p

Method : C:\msdchem\1\met...22-08-30APP9-I.m (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1908, 1909, 1910; Background Corrected with Scan 1901

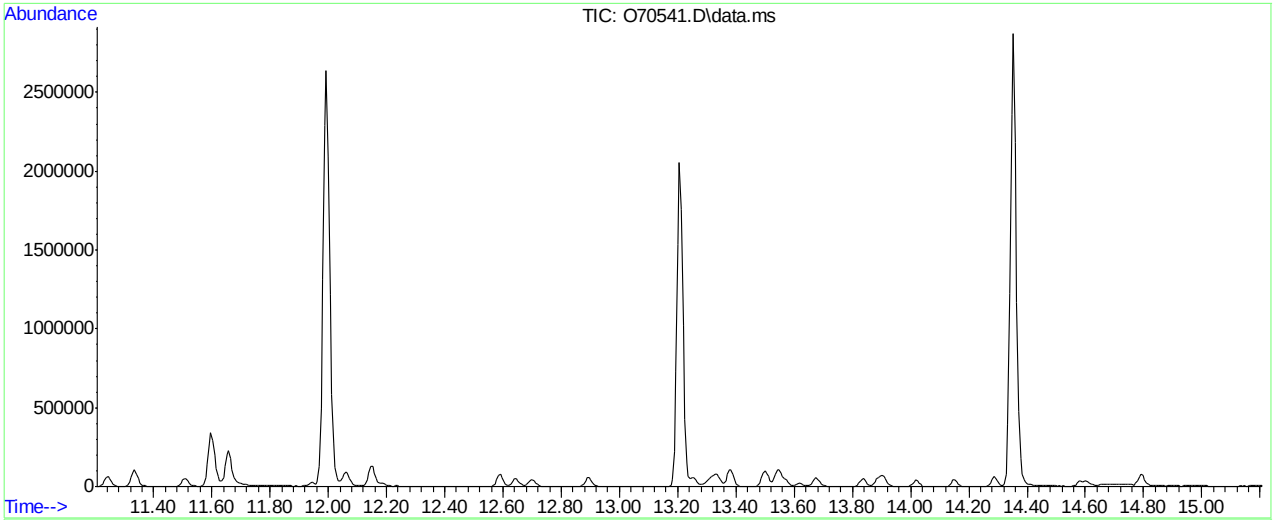
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.8	40061	PASS
75	95	30	60	52.4	84760	PASS
95	95	100	100	100.0	161837	PASS
96	95	5	9	7.0	11287	PASS
173	174	0.00	2	1.0	1344	PASS
174	95	50	100	82.3	133173	PASS
175	174	5	9	7.5	10050	PASS
176	174	95	101	97.9	130400	PASS
177	176	5	9	6.5	8536	PASS

I751015.D 2022-08-30APP9-I.m Thu Sep 01 08:16:32 2022

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2022-08-23\O70541.D Vial: 1
Acq On : 23 Aug 2022 11:06 am Operator: joannel
Sample : BFB Inst : MSVOA12
Misc : MS52195,VO2796,,,,, Multiplr: 1.00
MS Integration Params: big.p

Method : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1987, 1988, 1989; Background Corrected with Scan 1980

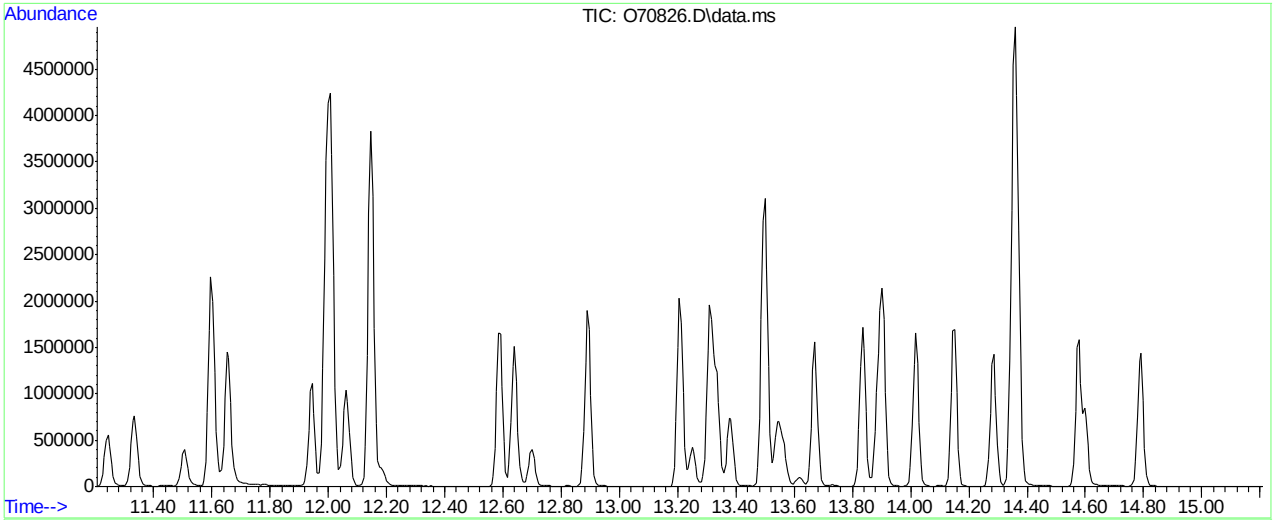
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	69296	PASS
75	95	30	60	49.6	173760	PASS
95	95	100	100	100.0	350208	PASS
96	95	5	9	6.6	23064	PASS
173	174	0.00	2	0.5	1598	PASS
174	95	50	100	91.7	321301	PASS
175	174	5	9	7.1	22811	PASS
176	174	95	101	96.8	310997	PASS
177	176	5	9	6.5	20228	PASS

O70541.D VO_08-23-2022.M Wed Aug 24 09:43:50 2022

Methods: SW-846 8260B

```
Data File : C:\msdchem\2\data\2022-09-02\O70826.D        Vial: 3
Acq On    :  2 Sep 2022  12:22 pm                    Operator: joannel
Sample    : BFB                                      Inst    : MSVOA12
Misc      : MS52195,VO2809,,,,,                      Multiplr: 1.00
MS Integration Params: big.p

Method    : C:\msdchem\2\met...\VO_08-23-2022.M (RTE Integrator)
Title     : SW-846 Method 5035A/8260B
```



AutoFind: Scans 1987, 1988, 1989; Background Corrected with Scan 1980

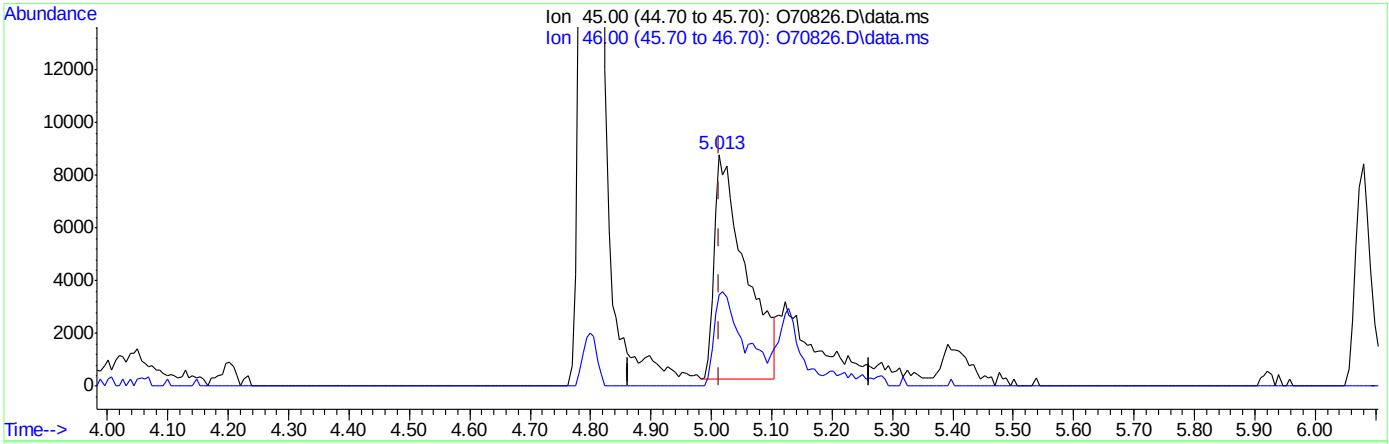
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.3	69416	PASS
75	95	30	60	50.2	171605	PASS
95	95	100	100	100.0	342144	PASS
96	95	5	9	7.0	23869	PASS
173	174	0.00	2	0.6	1997	PASS
174	95	50	100	92.5	316352	PASS
175	174	5	9	7.1	22315	PASS
176	174	95	101	96.5	305259	PASS
177	176	5	9	6.4	19675	PASS

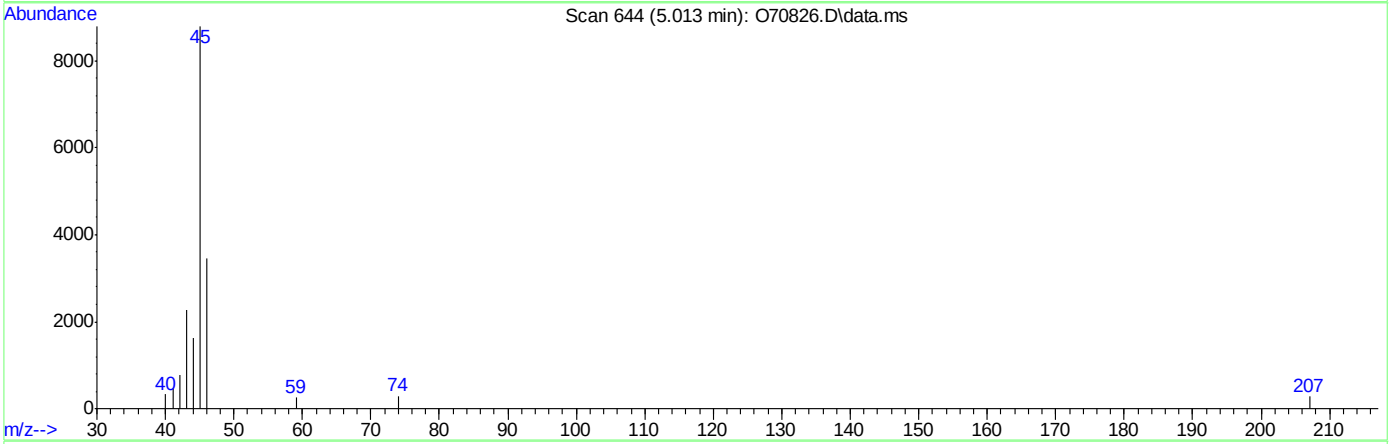
O70826.D VO_08-23-2022.M Fri Sep 02 12:45:29 2022

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(10) Ethanol

5.013min (-0.000) 576.56ug/L

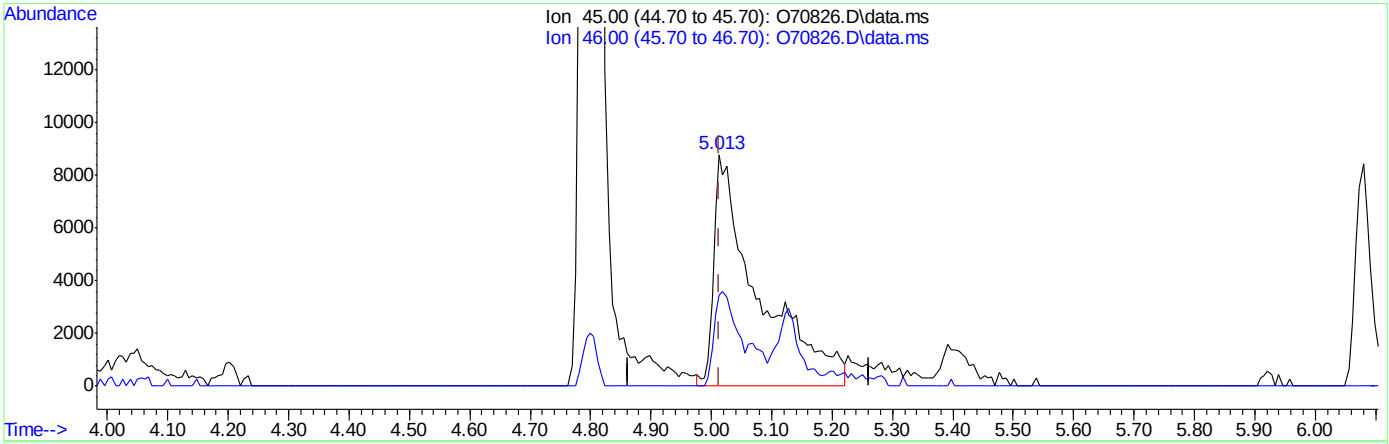
response 30607

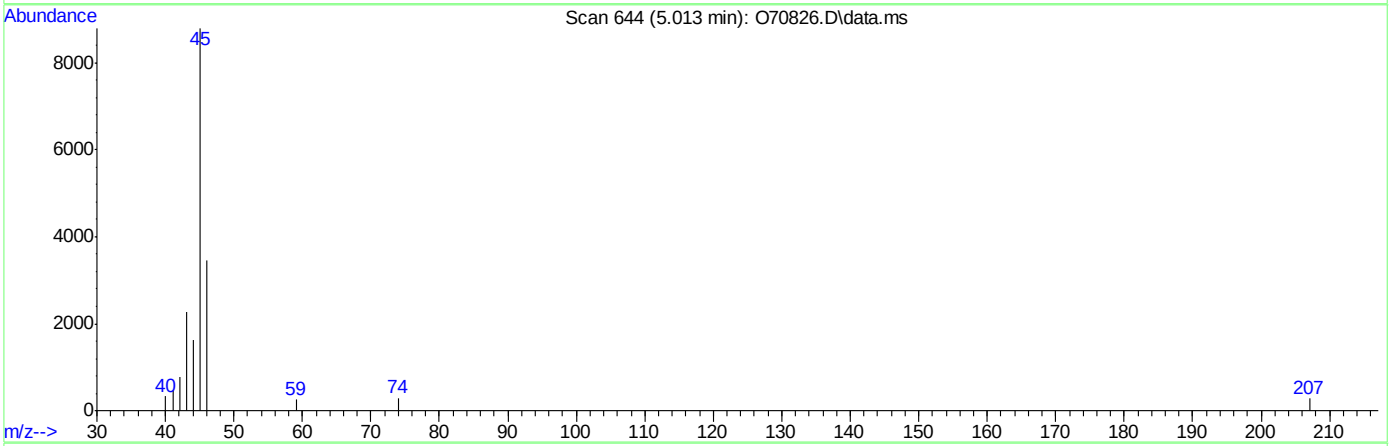
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	40.63
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(10) Ethanol

5.013min (-0.000) 840.20ug/L m

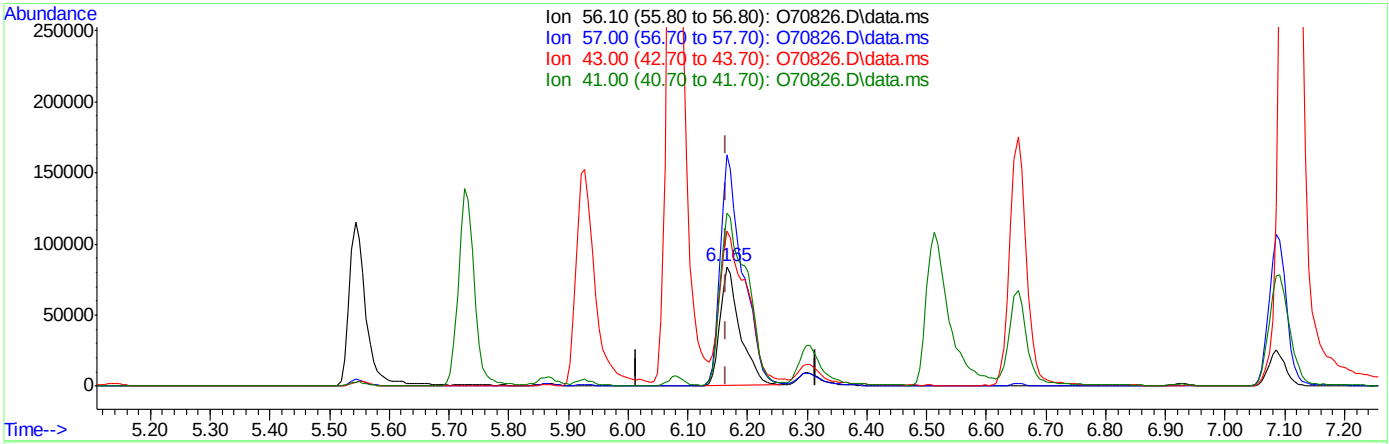
response 45146

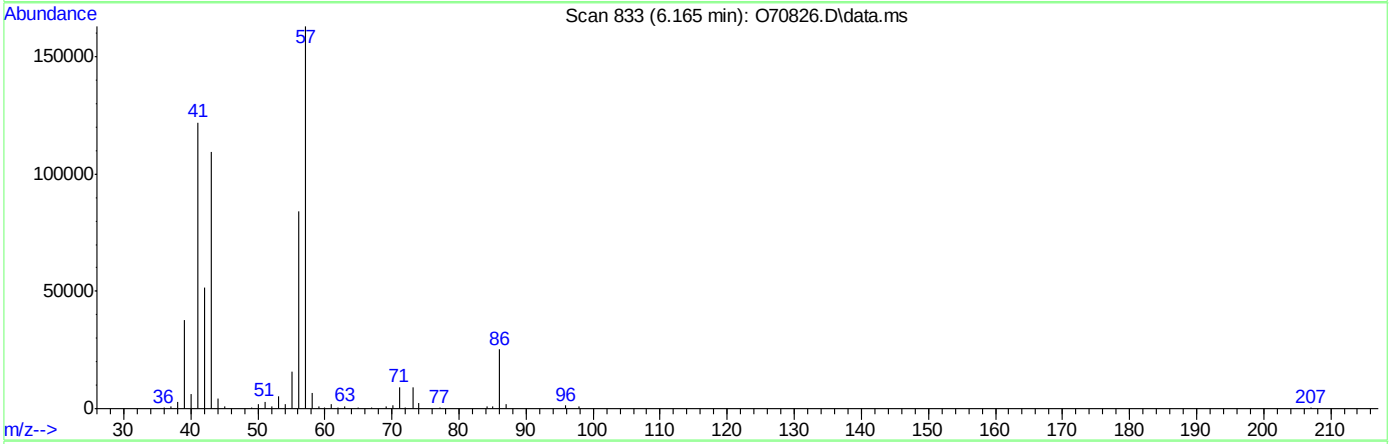
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	39.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(22) Hexane

6.165min (+0.000) 55.27ug/L

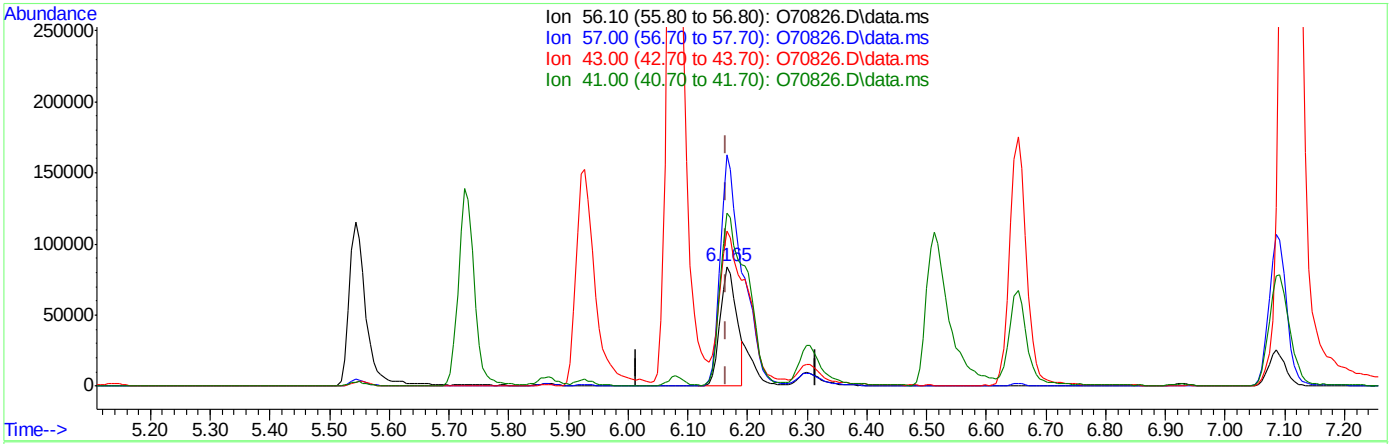
response 193931

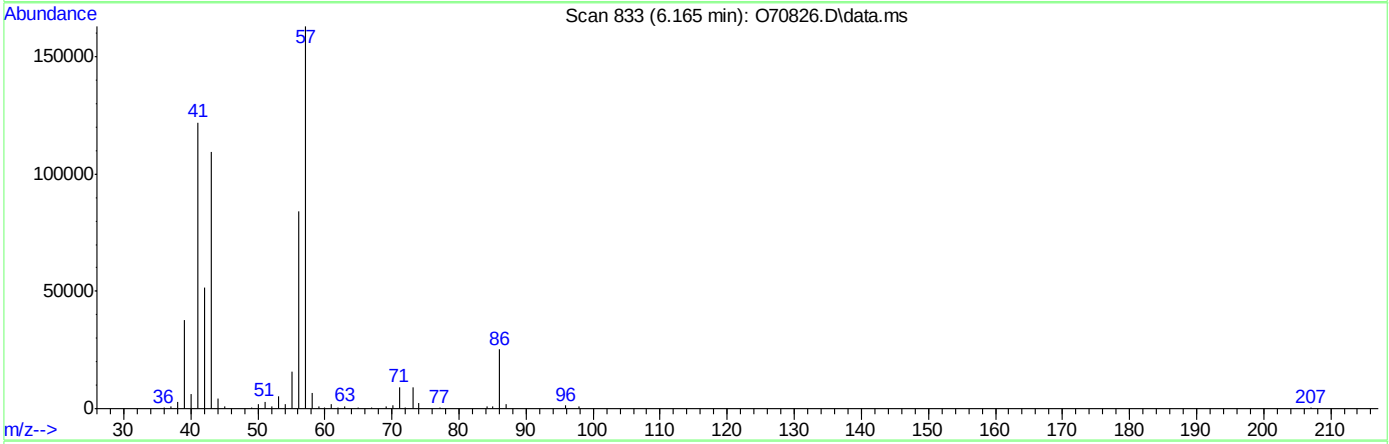
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	193.69
43.00	133.10	124.24
41.00	145.50	143.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(22) Hexane

6.165min (+0.000) 46.44ug/L m

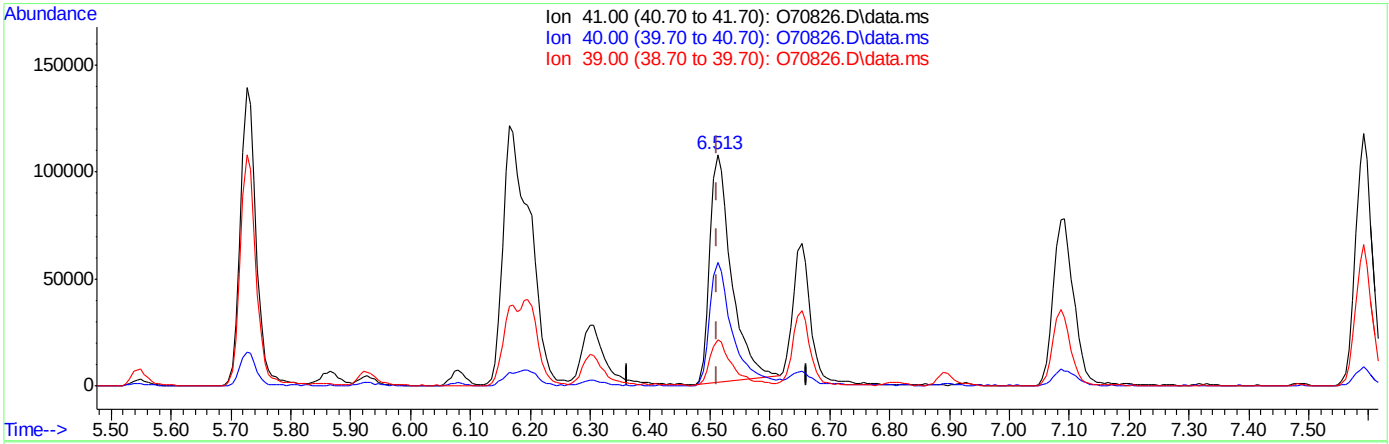
response 161251

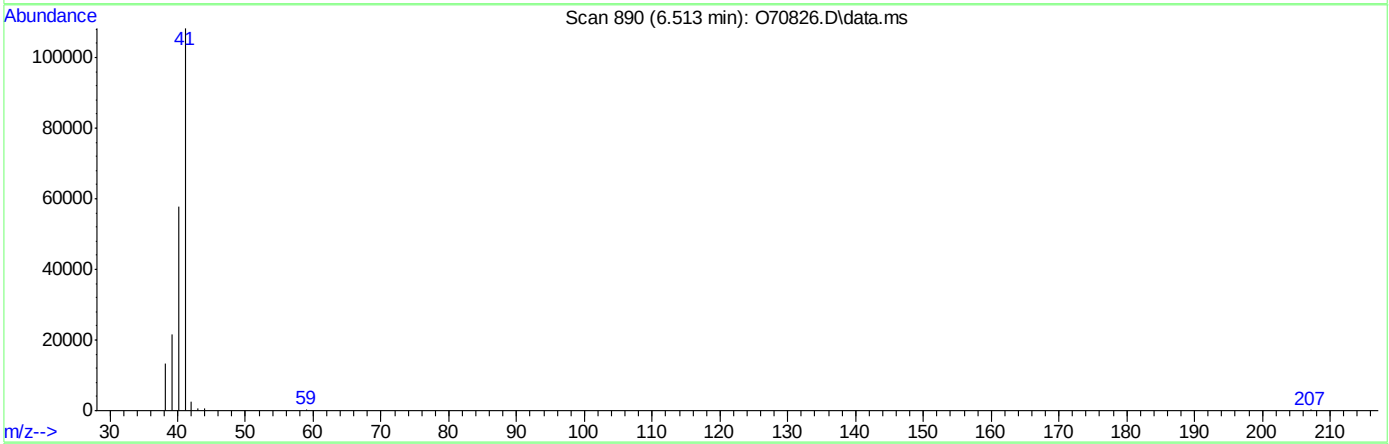
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	193.69
43.00	133.10	130.14
41.00	145.50	144.89

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 358.13ug/L

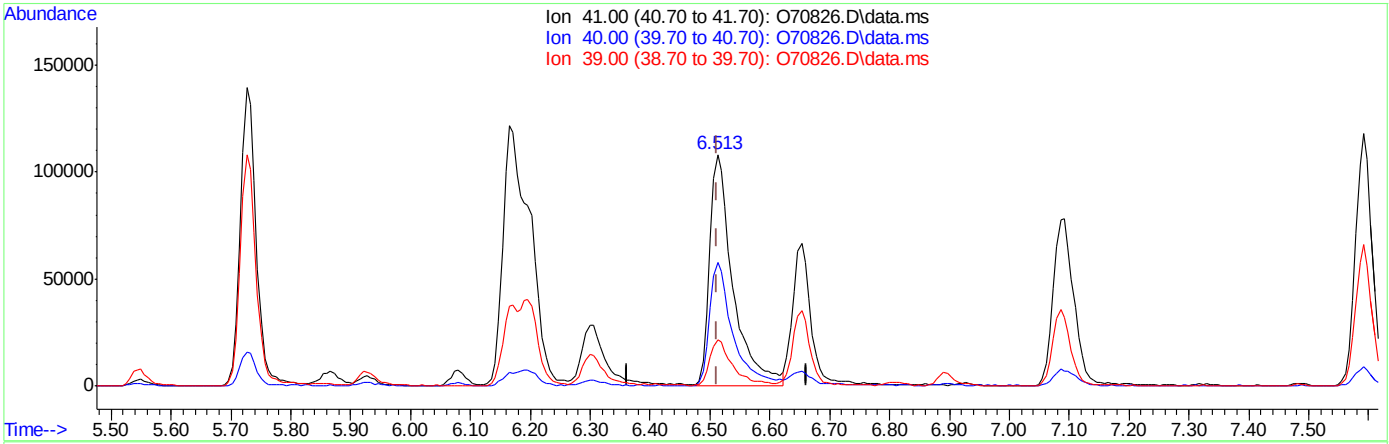
response 268659

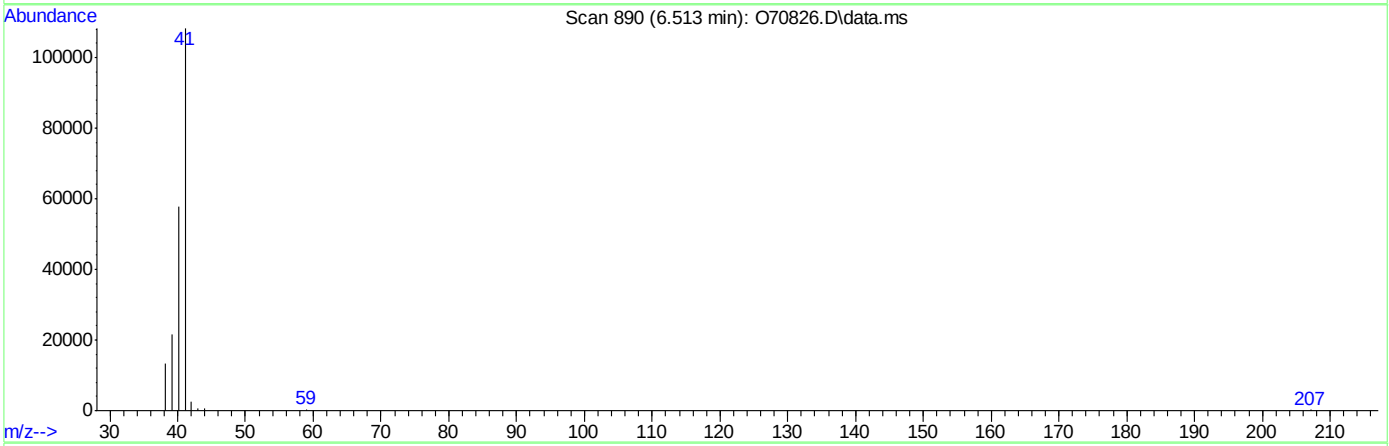
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	53.26
39.00	20.00	19.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 393.16ug/L m

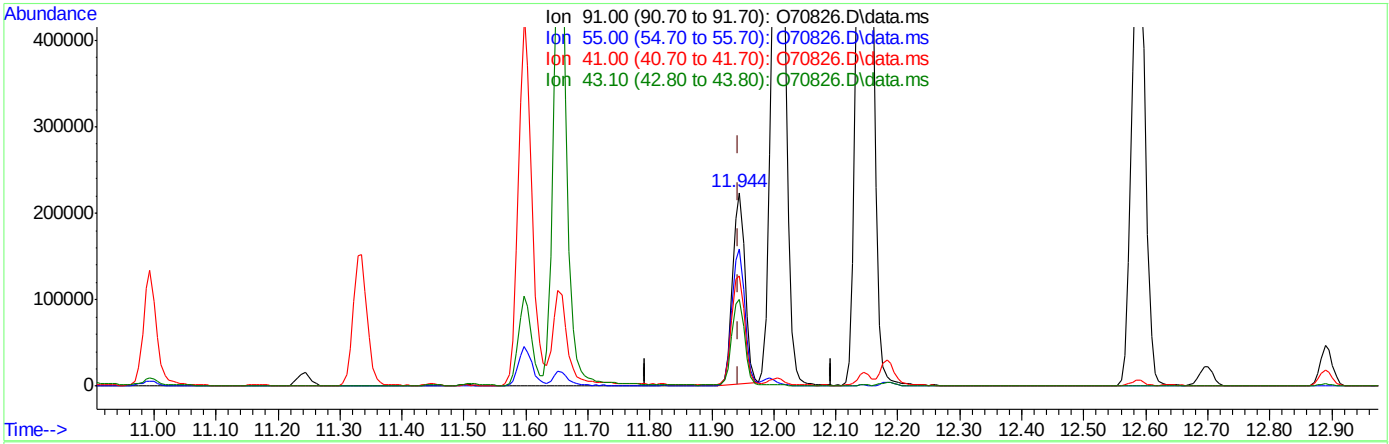
response 295019

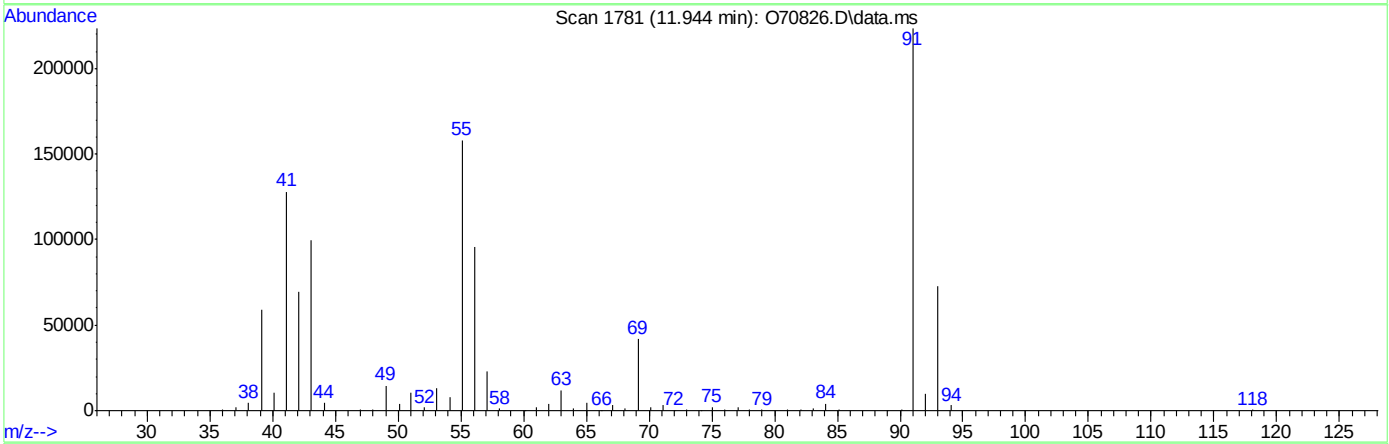
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	53.28
39.00	20.00	20.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 40.02ug/L

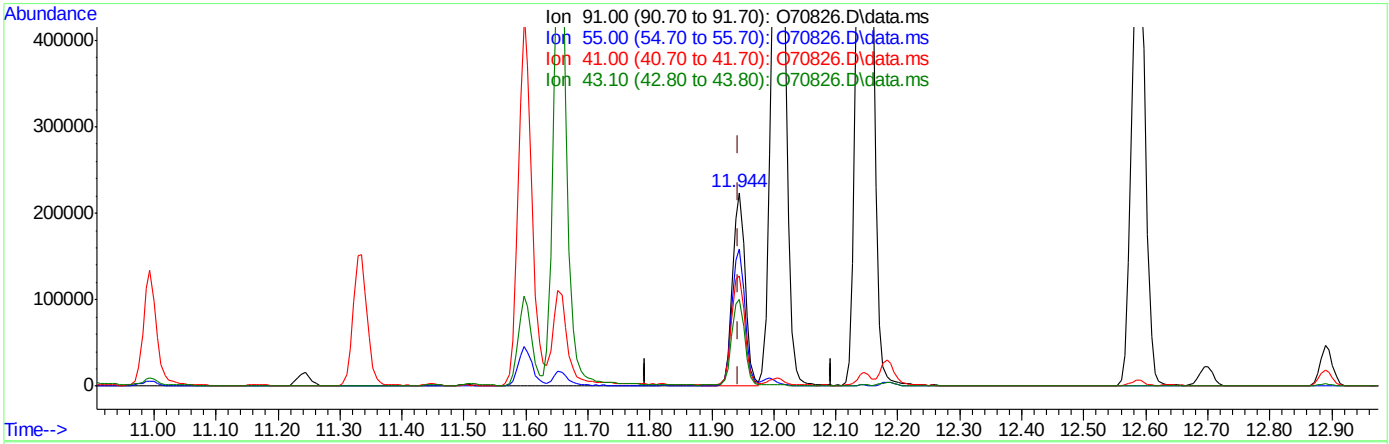
response 302608

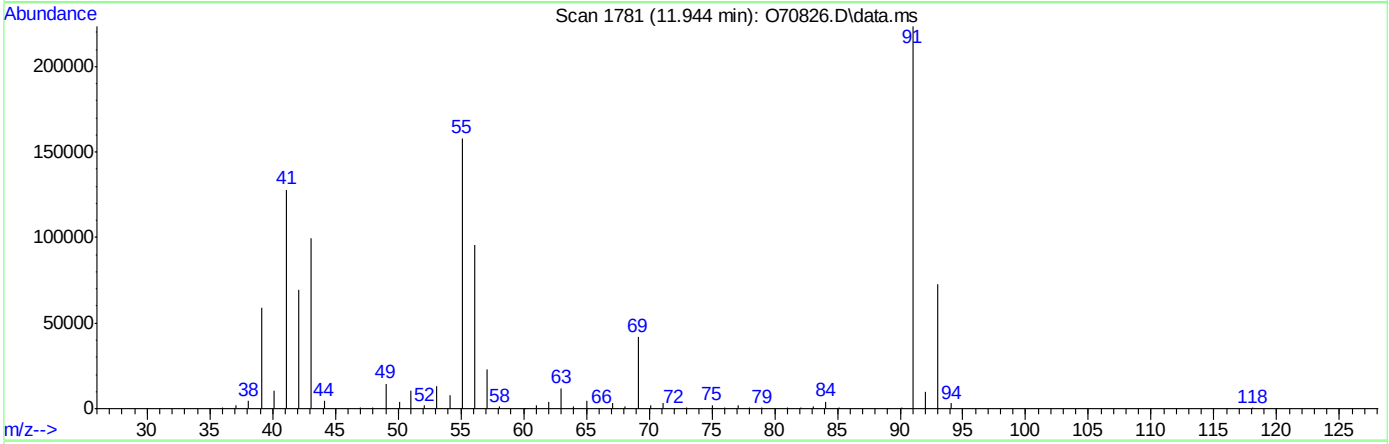
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.33
41.00	54.70	56.46
43.10	44.50	44.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 41.24ug/L m

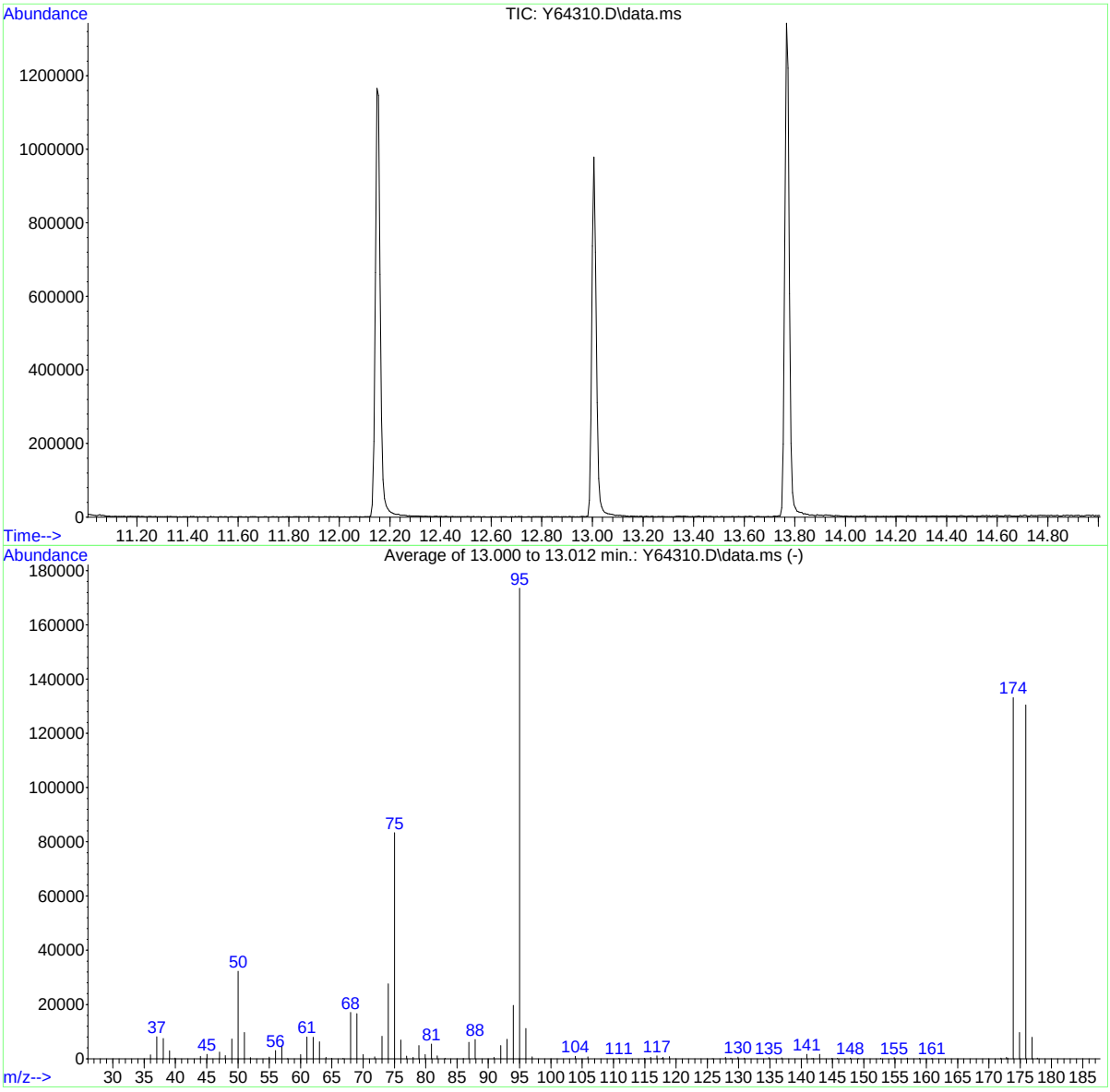
response 311856

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.72
41.00	54.70	57.19
43.10	44.50	44.63

Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\2022-08-29\Y64310.D Vial: 2
Acq On : 29 Aug 2022 12:11 pm Operator: joannel
Sample : BFB Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1835, 1836, 1837; Background Corrected with Scan 1827

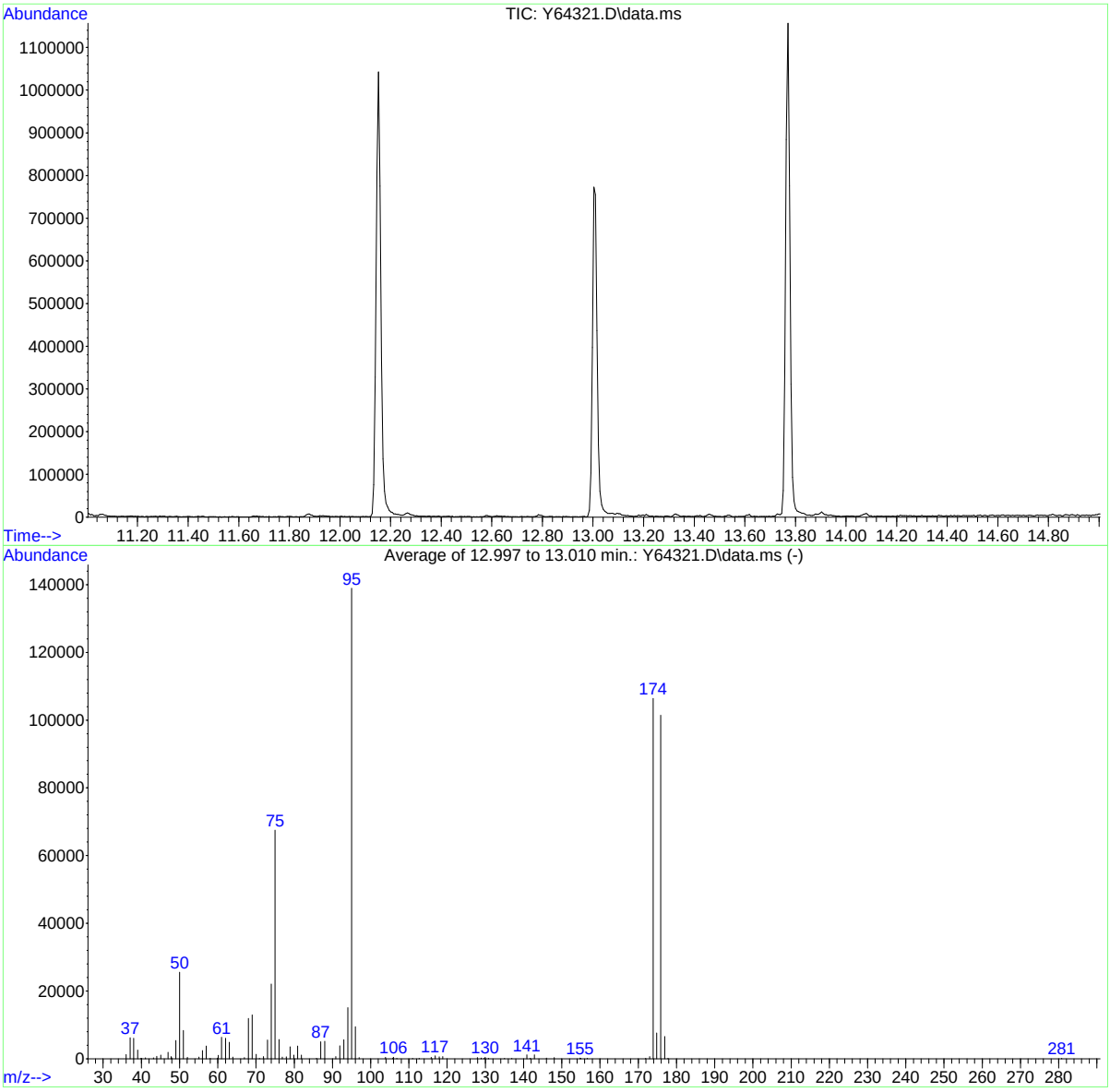
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.6	32288	PASS
75	95	30	60	48.0	83378	PASS
95	95	100	100	100.0	173525	PASS
96	95	5	9	6.4	11168	PASS
173	174	0.00	2	0.4	482	PASS
174	95	50	100	76.8	133221	PASS
175	174	5	9	7.3	9708	PASS
176	174	95	101	97.9	130461	PASS
177	176	5	9	6.1	7943	PASS

Y64310.D APPIX_08-29-2022_Y.M Tue Aug 30 15:12:13 2022

Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\2022-08-30\Y64321.D Vial: 1
Acq On : 30 Aug 2022 10:47 am Operator: joannel
Sample : BFB Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1834, 1835, 1836; Background Corrected with Scan 1828

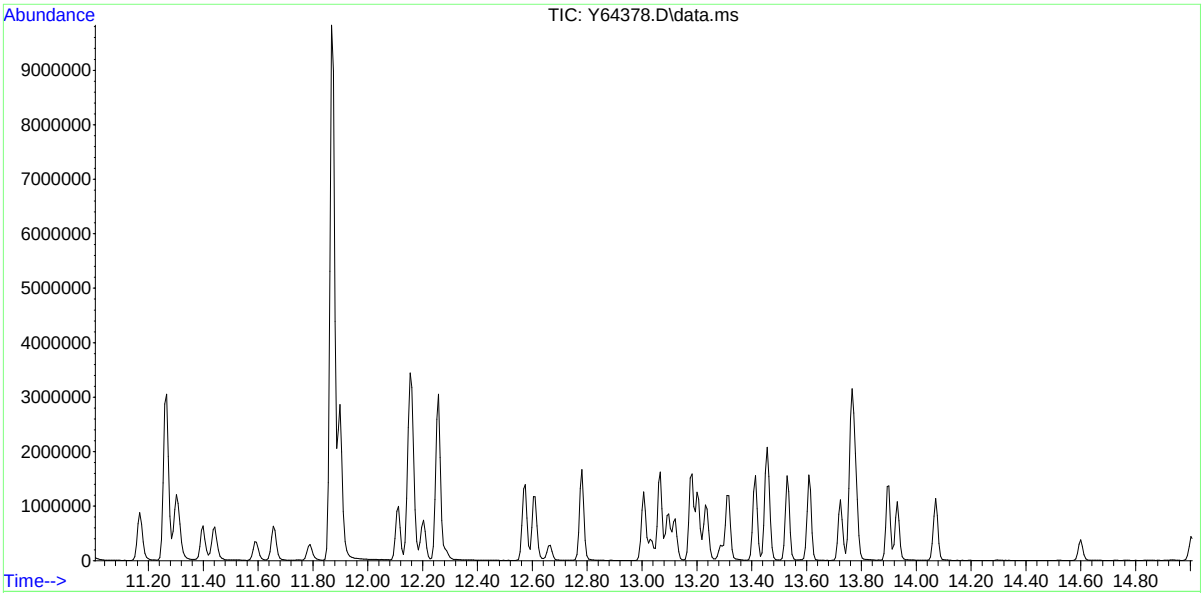
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	25536	PASS
75	95	30	60	48.6	67536	PASS
95	95	100	100	100.0	138954	PASS
96	95	5	9	6.8	9434	PASS
173	174	0.00	2	0.6	622	PASS
174	95	50	100	76.6	106418	PASS
175	174	5	9	7.1	7583	PASS
176	174	95	101	95.4	101480	PASS
177	176	5	9	6.5	6567	PASS

Y64321.D APPIX_08-29-2022_Y.M Tue Aug 30 15:21:08 2022

Methods: SW-846 8260B

Data File : C:\msdchem\1\DATA\2022-09-01\Y64378.D Vial: 2
Acq On : 1 Sep 2022 11:07 am Operator: joannel
Sample : BFB Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\1\MET...X_08-29-2022_Y.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1835, 1836, 1837; Background Corrected with Scan 1829

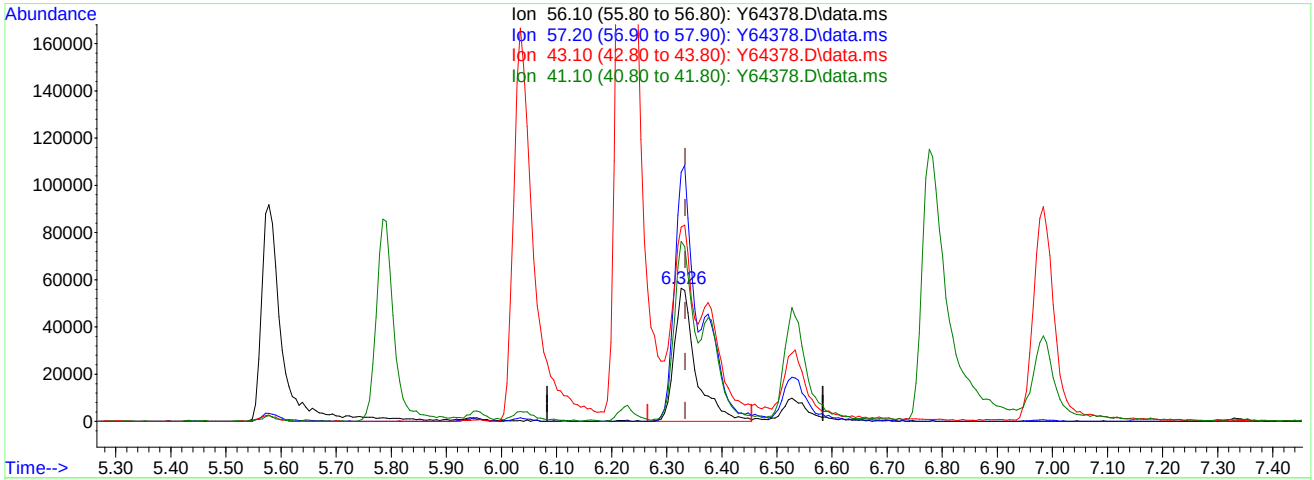
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	41117	PASS
75	95	30	60	47.8	104888	PASS
95	95	100	100	100.0	219520	PASS
96	95	5	9	6.6	14524	PASS
173	174	0.00	2	0.6	1081	PASS
174	95	50	100	78.4	172138	PASS
175	174	5	9	7.1	12220	PASS
176	174	95	101	96.7	166464	PASS
177	176	5	9	6.8	11242	PASS

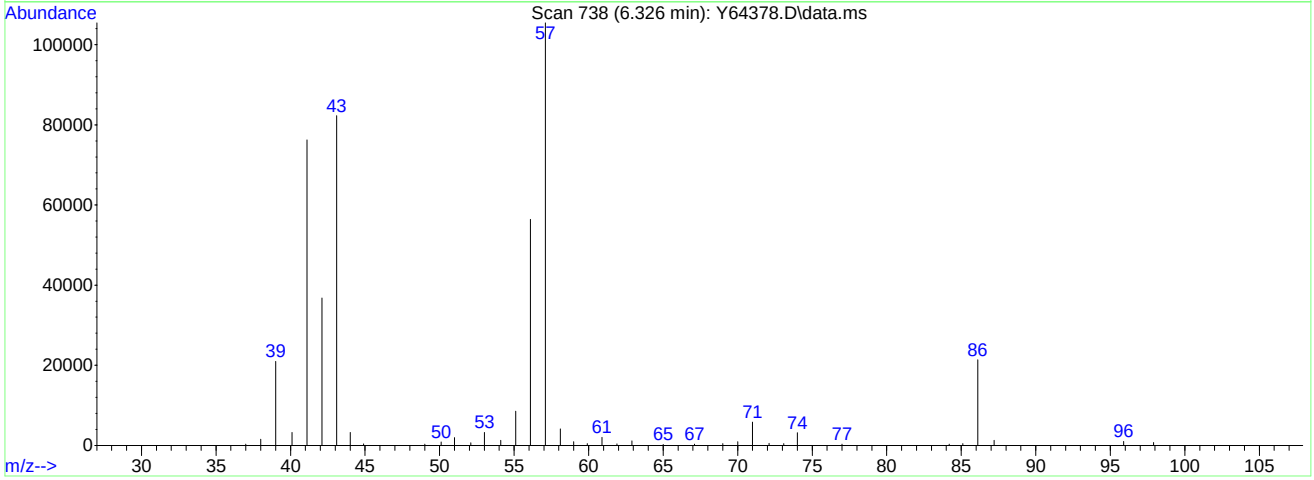
Y64378.D APPIX_08-29-2022_Y.M Thu Sep 01 11:27:43 2022

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(22) Hexane

6.326min (-0.007) 58.52ug/L

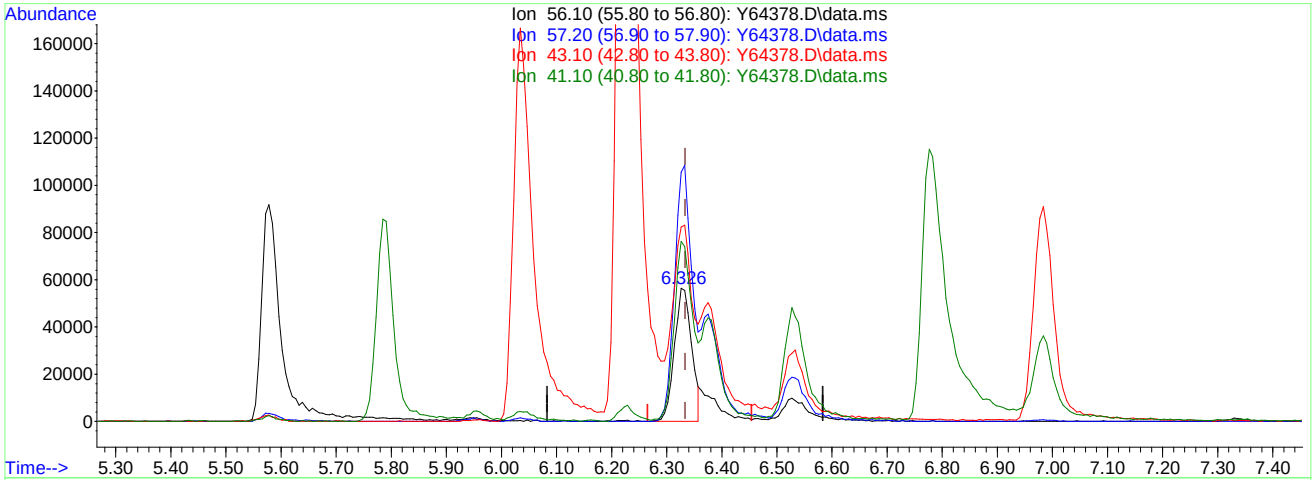
response 153126

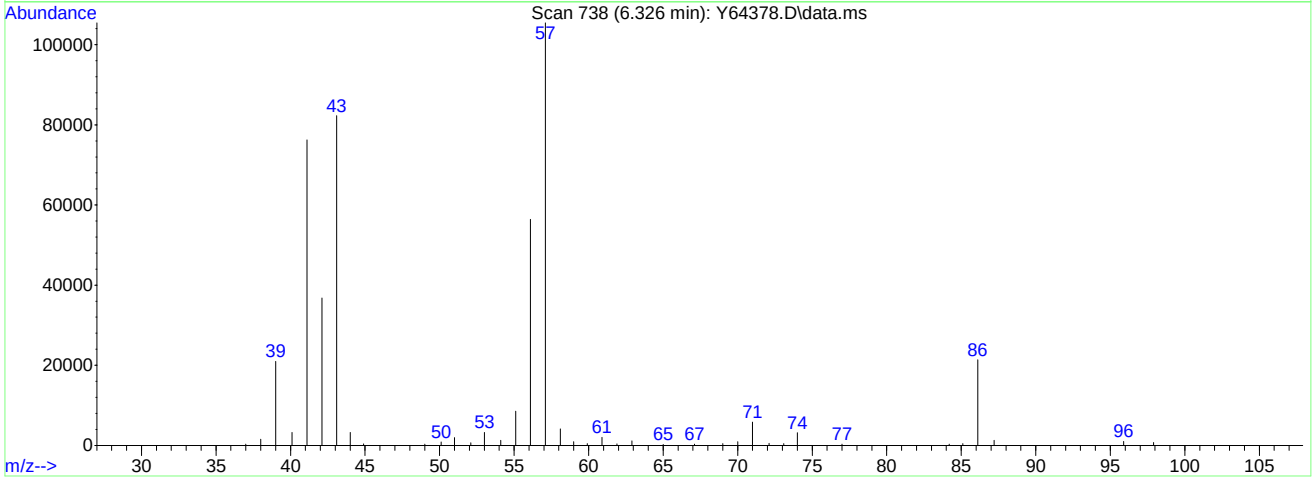
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	186.93
43.10	151.00	133.93
41.10	129.70	133.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(22) Hexane

6.326min (-0.007) 46.75ug/L m

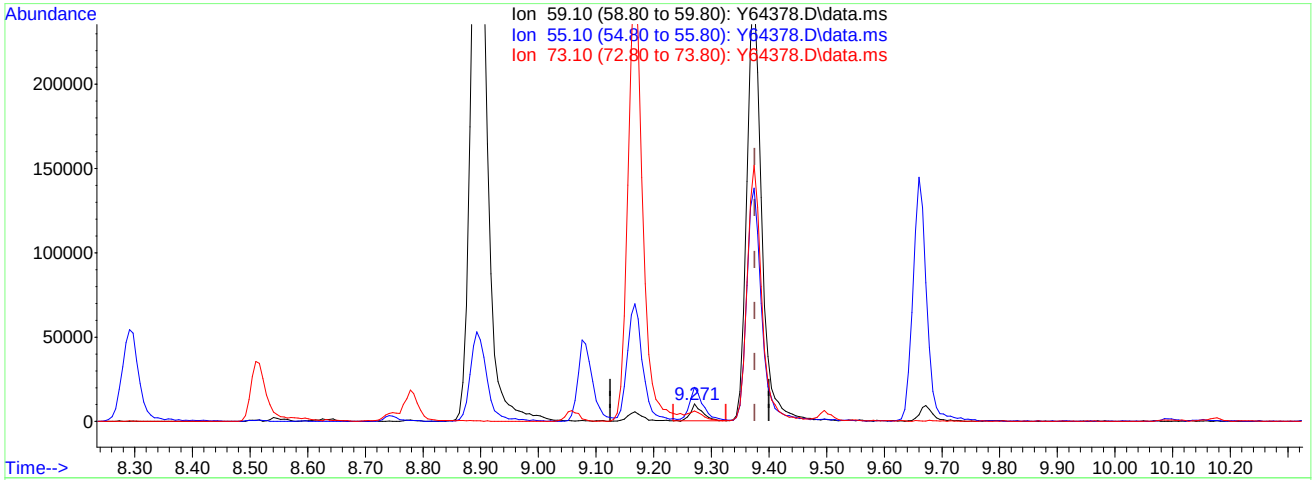
response 122342

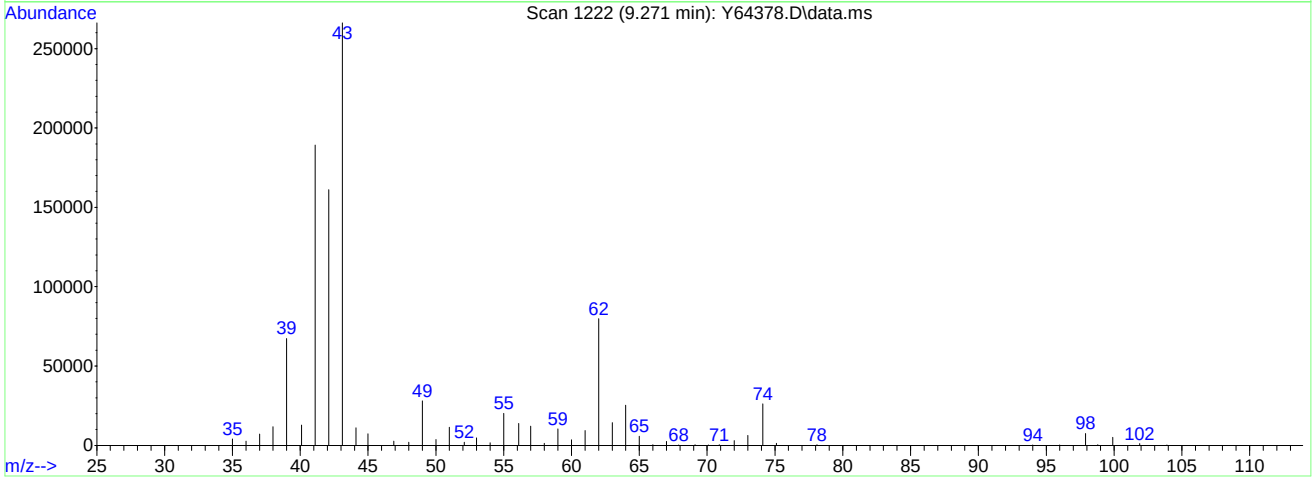
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	186.93
43.10	151.00	145.85
41.10	129.70	135.10

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(52) Tert Amyl Alcohol

9.271min (-0.104) 16.68ug/L

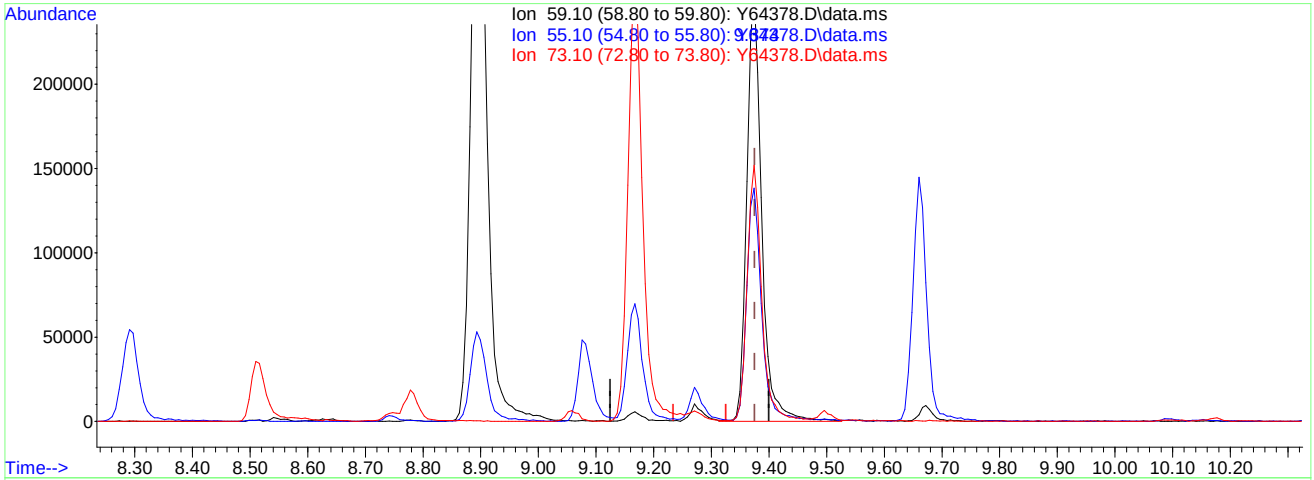
response 14625

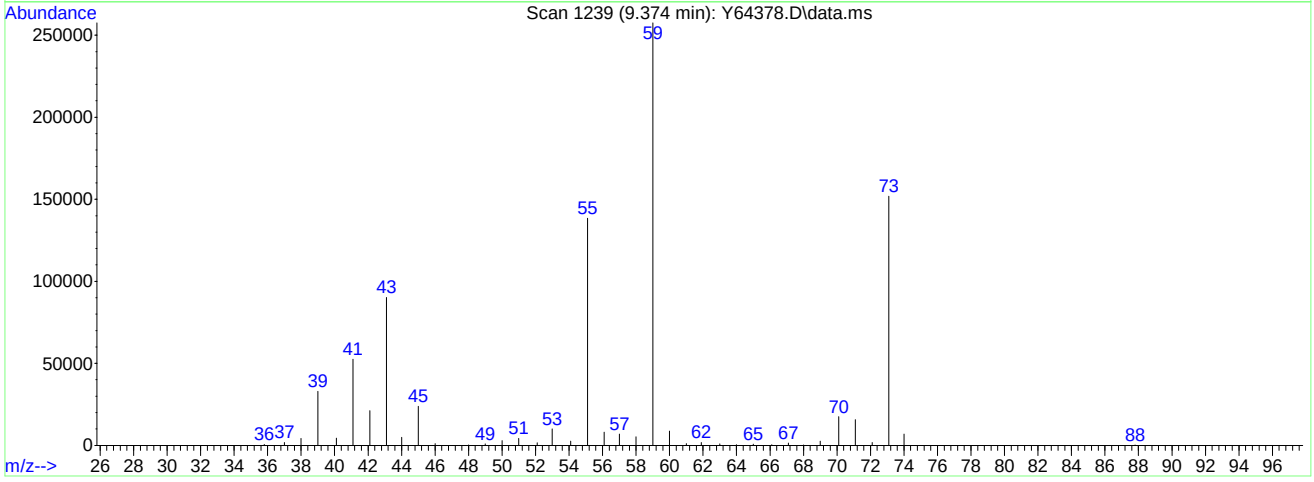
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	192.80#
73.10	59.00	55.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(52) Tert Amyl Alcohol

9.374min (-0.001) 430.15ug/L m

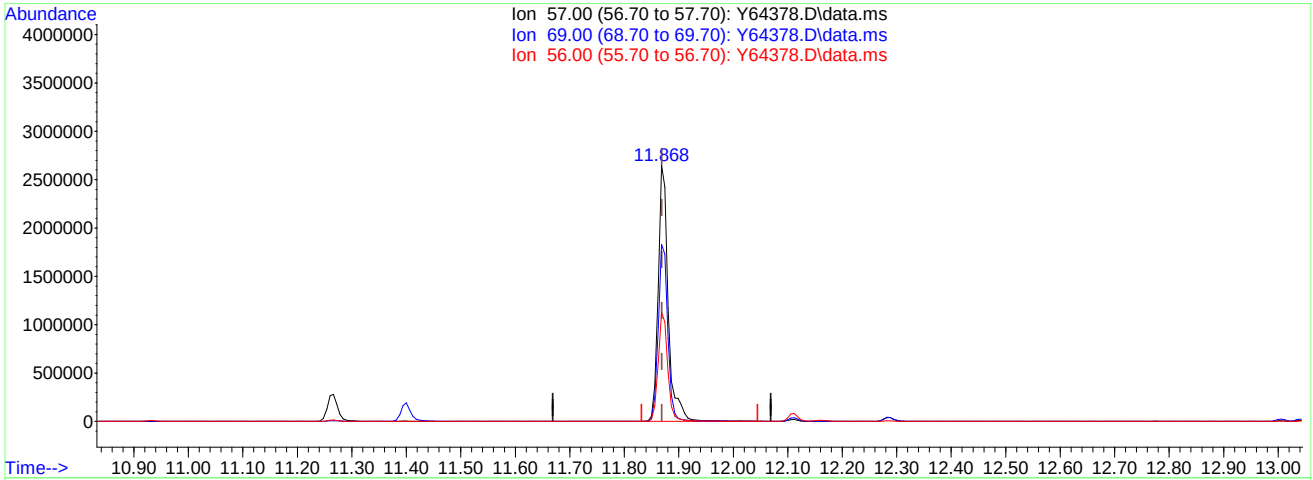
response 455842

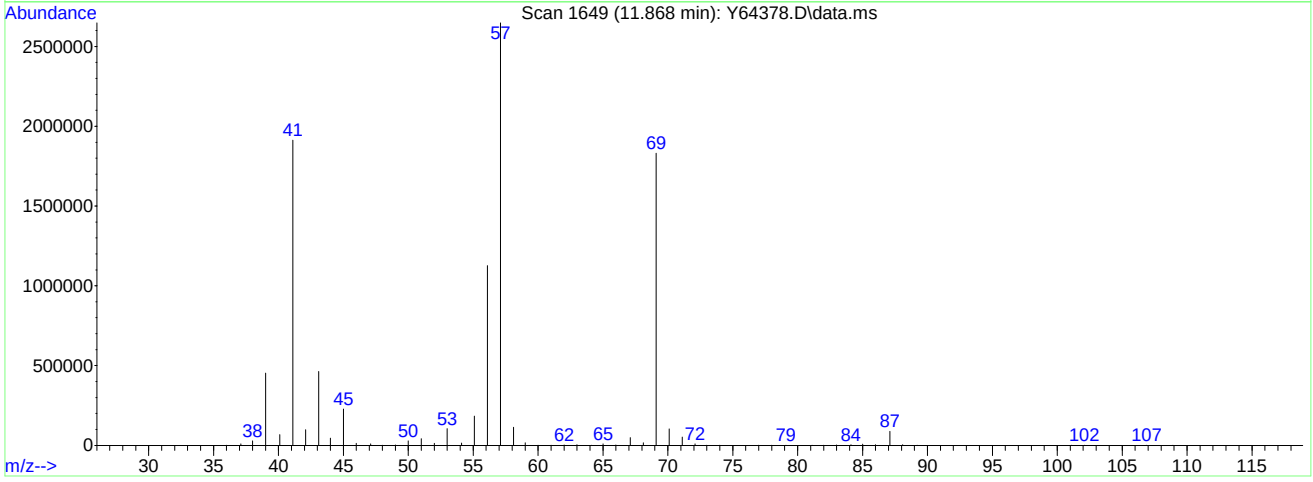
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	53.71
73.10	59.00	58.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.868min (-0.001) 1998.29ug/L

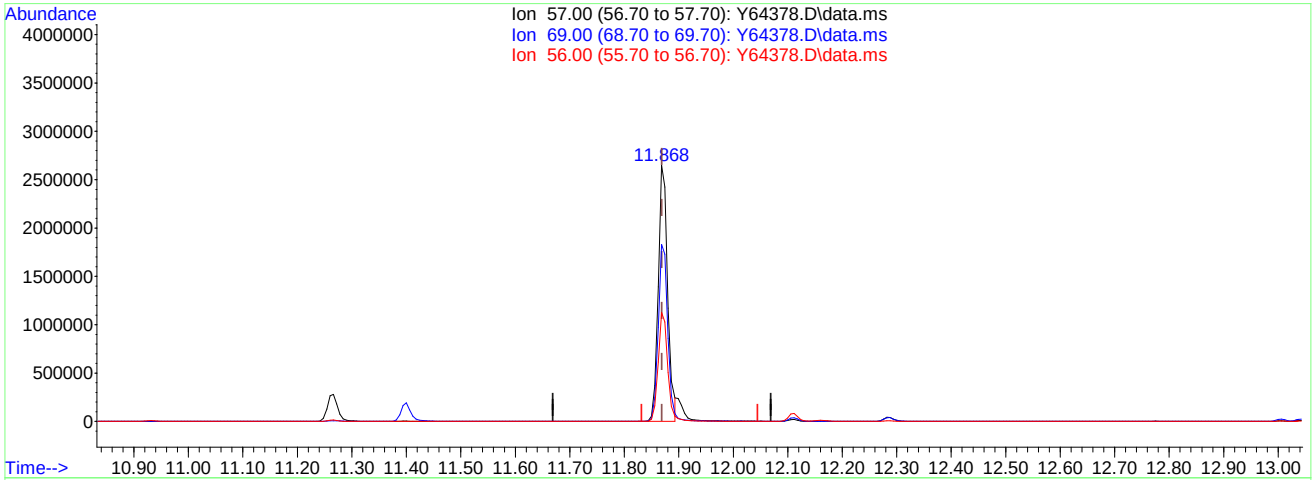
response 3428815

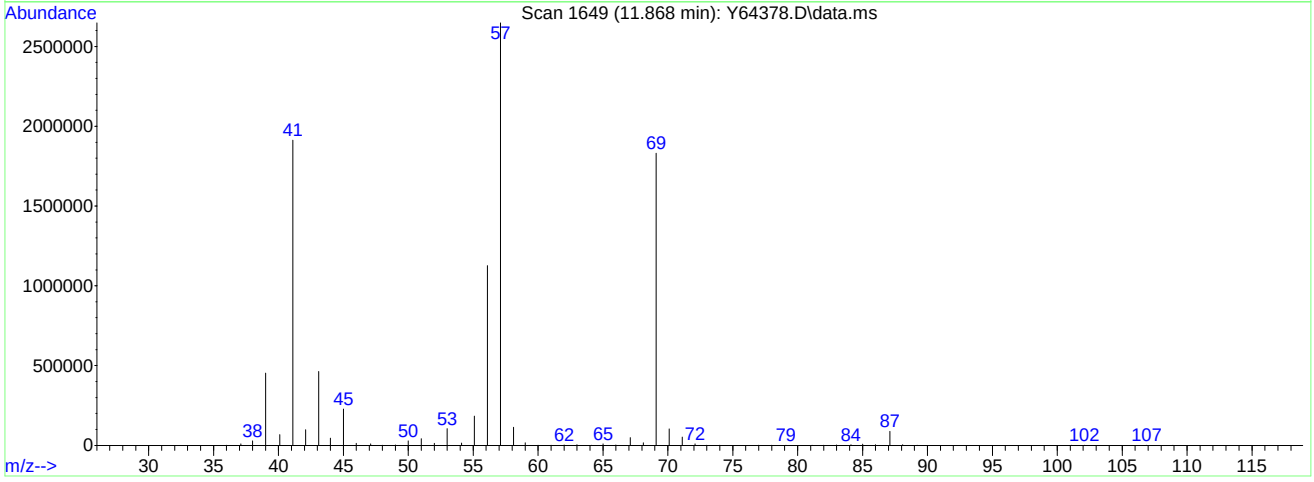
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	69.12
56.00	42.20	42.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.868min (-0.001) 1875.09ug/L m

response 3184783

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	69.15
56.00	42.20	42.51
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 10:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:47:04 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.717	96	1518368	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.641	117	1007365	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.330	152	429138	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.263	113	312225	48.18	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.36%				
49) 1,2-Dichloroethane-d4	3.550	65	444509	48.44	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.88%				
63) Toluene-d8	4.648	98	1426667	50.65	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.30%				
86) 4-Bromofluorobenzene	6.494	174	349761	51.97	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.94%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.114	85	3662	0.95	ug/L		91
3) Chloromethane	1.239	50	4371	1.07	ug/L		94
4) 1,3-butadiene	1.307	39	4056	0.78	ug/L		85
5) Vinyl Chloride	1.297	62	5205	0.97	ug/L		91
6) Bromomethane	1.496	94	3685	1.76	ug/L		96
7) Chloroethane	1.574	64	2770	1.14	ug/L		95
8) Trichlorofluoromethane	1.673	101	5726	0.64	ug/L		96
9) Ethyl Ether	1.867	59	5109	0.87	ug/L		85
10) Ethanol	1.935	45	2817	24.08	ug/L		77
11) 1,2-Dichlorotrifluoroe...	1.966	67	4814	0.91	ug/L		95
12) 1,1-Dichloroethene	1.977	61	6121	0.83	ug/L		82
13) Freon 113	2.008	101	3805	0.83	ug/L		98
14) Carbon Disulfide	1.992	76	10043	0.92	ug/L		98
15) Iodomethane	2.055	142	2418	1.17	ug/L		85
16) Acrolein	2.149	56	8325	5.35	ug/L		99
17) Allyl chloride	2.243	41	4220	0.83	ug/L		97
18) Methylene Chloride	2.295	49	21745	2.91	ug/L		93
19) Acetone	2.306	43	24638	8.28	ug/L		96
20) Methyl acetate	2.390	43	33682	5.18	ug/L		97
21) trans-1,2-Dichloroethene	2.400	61	6436	0.83	ug/L		91
22) Hexane	2.463	56	3412	0.84	ug/L	#	81
23) Methyl Tert Butyl Ether	2.463	73	14561	0.84	ug/L		92
24) Tert Butyl Alcohol	2.494	59	17169	10.94	ug/L		94
25) Acetonitrile	2.541	41	10487	11.24	ug/L		89
26) Di-isopropyl ether	2.682	45	13545	0.83	ug/L		93
27) Chloroprene	2.724	53	24510	1.30	ug/L		98
28) 1,1-Dichloroethane	2.724	63	8480	0.85	ug/L		93
29) Acrylonitrile	2.724	52	19664	6.77	ug/L		97
30) ETBE	2.876	59	14881	0.78	ug/L		94
31) Vinyl acetate	2.855	43	63282	5.05	ug/L		97
32) cis-1,2-Dichloroethene	3.017	96	5358	0.91	ug/L		89
33) 2,2-Dichloropropane	3.080	77	5651	0.78	ug/L		95
34) Bromochloromethane	3.127	128	2213	0.89	ug/L	#	67
35) Cyclohexane	3.158	56	7432	0.78	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:47:04 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.163	83	8339	0.82	ug/L		94
37) Ethyl acetate	3.226	43	52004	5.83	ug/L		99
38) Tetrahydrofuran	3.257	42	4210	1.30	ug/L		96
40) Carbon Tetrachloride	3.268	117	4379m	0.72	ug/L		
41) 1,1,1-Trichloroethane	3.294	97	6875	0.82	ug/L		95
42) 2-Butanone	3.315	43	46982	8.51	ug/L		96
43) 1,1-Dichloropropene	3.362	75	6480	0.86	ug/L		89
44) tert-Butyl formate	3.404	59	15589	4.00	ug/L	#	82
45) Propionitrile	3.456	54	16976	11.32	ug/L		97
46) Methacrylonitrile	3.482	41	45377	9.51	ug/L		98
47) Benzene	3.493	78	21478	0.89	ug/L		93
48) TAME	3.566	73	13744	0.80	ug/L		94
50) Isobutyl alcohol	3.576	43	15094m	18.74	ug/L		
51) 1,2-Dichloroethane	3.587	62	8130	0.94	ug/L		96
52) Tert Amyl Alcohol	3.639	59	12669	9.91	ug/L		79
53) Trichloroethene	3.827	95	5174	0.86	ug/L		97
54) Methylcyclohexane	3.843	83	6826	0.79	ug/L		95
55) Dibromomethane	4.047	93	2840	0.83	ug/L		95
56) 1,2-Dichloropropane	4.110	63	5097	0.88	ug/L		93
57) Bromodichloromethane	4.141	83	4635	0.76	ug/L		88
58) Methyl methacrylate	4.235	41	5044	0.85	ug/L		97
59) 1,4-Dioxane	4.251	88	2737	21.40	ug/L		81
60) 2-Chloroethyl vinyl ether	4.476	63	19787	4.19	ug/L		91
61) cis-1,3-Dichloropropene	4.523	75	5509	0.73	ug/L		95
64) Toluene	4.679	91	23523	0.94	ug/L		94
65) 2-Nitropropane	4.774	41	5534	3.42	ug/L		89
66) 4-Methyl-2-pentanone	4.889	43	52966	6.04	ug/L		99
67) trans-1,3-Dichloropropene	4.920	75	4692	0.73	ug/L		97
68) Tetrachloroethene	4.936	166	4689	0.85	ug/L		90
69) Ethyl methacrylate	5.035	69	5911	0.70	ug/L		92
70) 1,1,2-Trichloroethane	5.019	83	3570	0.84	ug/L		92
71) Dibromochloromethane	5.139	129	2461	0.60	ug/L		91
72) 1,3-Dichloropropane	5.197	76	8780	0.94	ug/L		94
73) 1,2-Dibromoethane	5.296	107	4208	0.84	ug/L		90
74) 3,3-dimethyl-1-butanol	5.417	57	61464	39.74	ug/L		93
75) 2-hexanone	5.432	43	52635	5.83	ug/L	#	71
76) 1-Chlorohexane	5.652	91	8298m	1.06	ug/L		
77) Ethylbenzene	5.683	91	25089	0.94	ug/L		99
78) Chlorobenzene	5.657	112	13857	0.94	ug/L		97
79) 1,1,1,2-Tetrachloroethane	5.694	131	3224	0.72	ug/L		95
80) m,p-Xylene	5.782	91	37702	1.80	ug/L		97
81) o-Xylene	6.075	91	18392	0.89	ug/L		94
82) Styrene	6.112	104	11795	0.76	ug/L		96
83) Bromoform	6.117	173	1221	0.59	ug/L		89
84) Isopropylbenzene	6.311	105	20139	0.86	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.530	53	1580	0.73	ug/L	#	72
88) n-Propylbenzene	6.609	91	24676	0.91	ug/L		99
89) Bromobenzene	6.572	156	5362	0.96	ug/L		91
90) 1,1,2,2-Tetrachloroethane	6.629	83	6158	0.86	ug/L		91
91) 1,3,5-Trimethylbenzene	6.755	105	15820	0.84	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:47:04 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

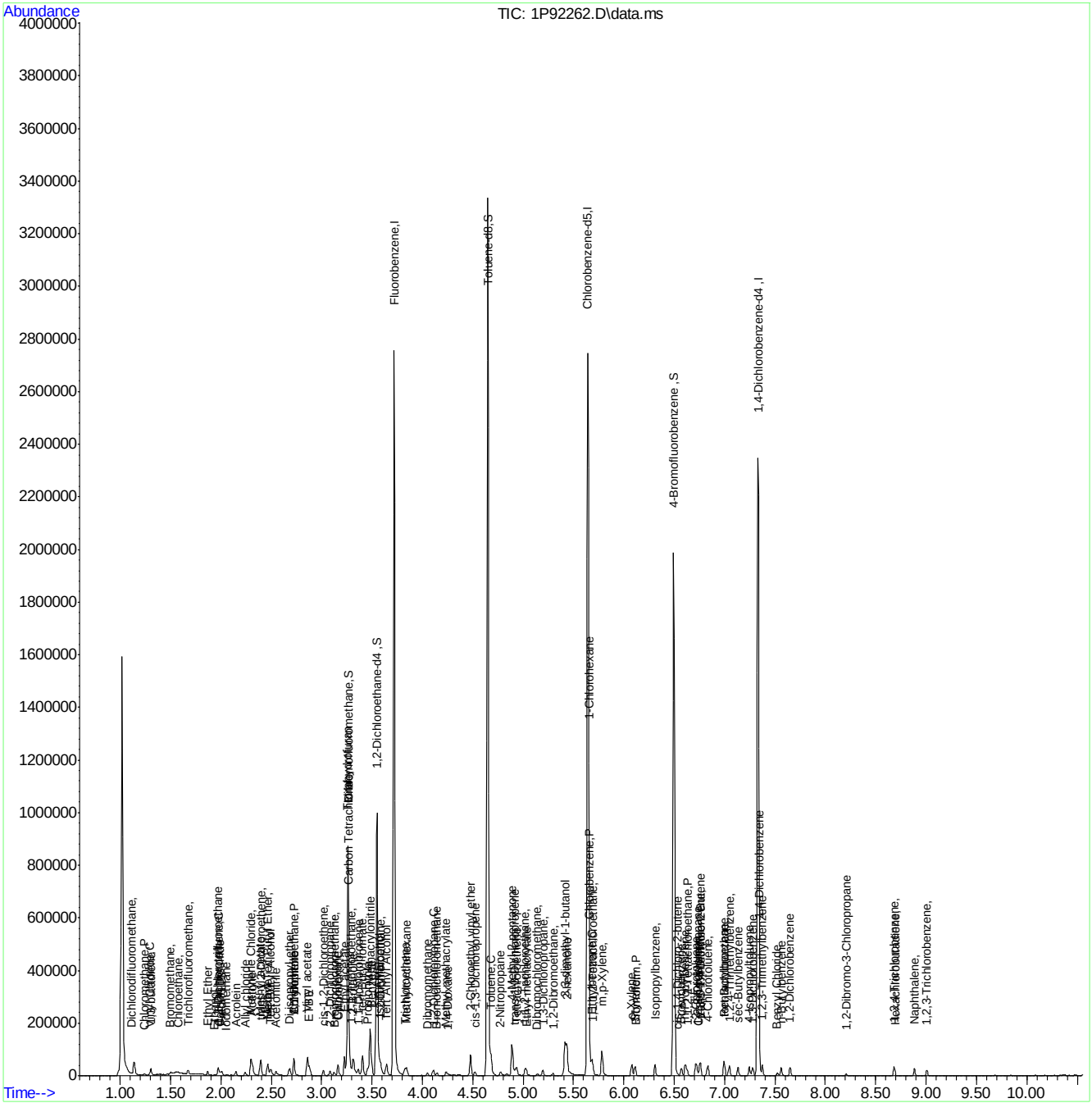
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.713	91	14573	0.89	ug/L		96
93)	trans-1,4-Dichloro-2-B...	6.760	53	2262	0.87	ug/L	#	68
94)	1,2,3-Trichloropropane	6.729	110	2476	0.95	ug/L		89
95)	Cyclohexanone	6.744	55	2571	5.71	ug/L		92
96)	4-Chlorotoluene	6.833	91	14954	0.88	ug/L		98
97)	tert-Butylbenzene	6.995	91	9070	0.87	ug/L		94
99)	1,2,4-Trimethylbenzene	7.048	105	15189	0.84	ug/L		99
100)	Pentachloroethane	6.995	167	1366	0.63	ug/L	#	1
101)	sec-Butylbenzene	7.131	105	15838	0.78	ug/L		94
102)	4-Isopropyltoluene	7.246	119	13384	0.76	ug/L		95
103)	1,3-Dichlorobenzene	7.278	146	9065	0.92	ug/L		95
104)	1,2,3-Trimethylbenzene	7.372	105	15896	0.86	ug/L		97
105)	1,4-Dichlorobenzene	7.346	146	9418m	0.91	ug/L		
106)	n-Butylbenzene	7.560	92	6918	0.80	ug/L		90
107)	Benzyl Chloride	7.518	126	1022m	0.57	ug/L		
108)	1,2-Dichlorobenzene	7.649	146	8422	0.91	ug/L		95
109)	1,2-Dibromo-3-Chloropr...	8.208	75	1113	0.80	ug/L	#	69
110)	Hexachlorobutadiene	8.689	225	1580	0.88	ug/L		88
111)	1,2,4-Trichlorobenzene	8.684	180	4343	0.86	ug/L		93
112)	Naphthalene	8.883	128	13630	0.72	ug/L		99
113)	1,2,3-Trichlorobenzene	9.008	180	4122	0.86	ug/L		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:47:04 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration



Manual Integration Approval Summary

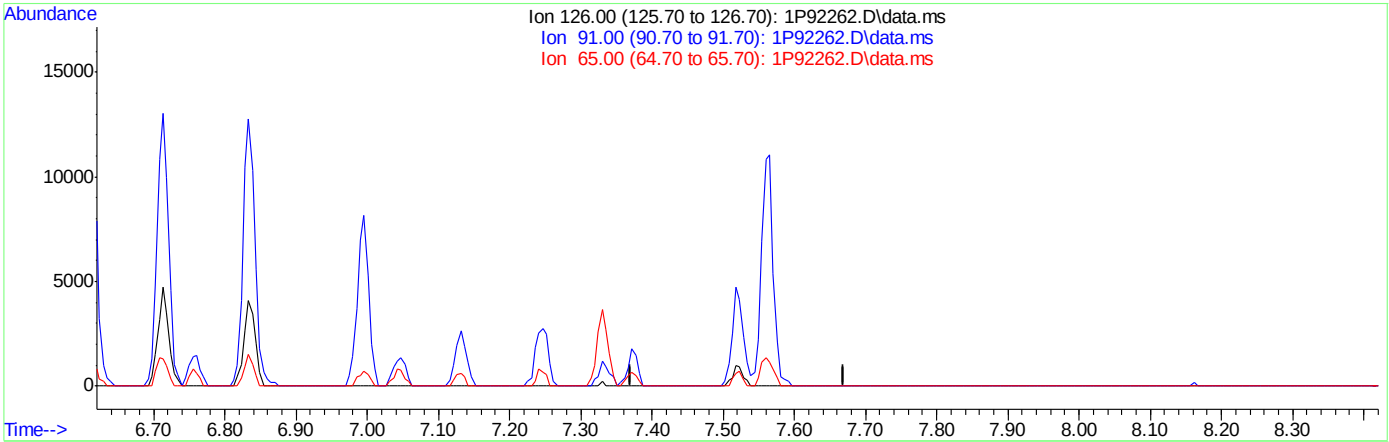
Sample Number: V1P3565-IC3565
Lab FileID: 1P92262.D
Injection Time: 08/24/22 09:34
Method: SW846 8260D
Analyst approved: 08/24/22 09:48 Courtney Failla
Supervisor approved: 08/25/22 10:27 Karen Watson

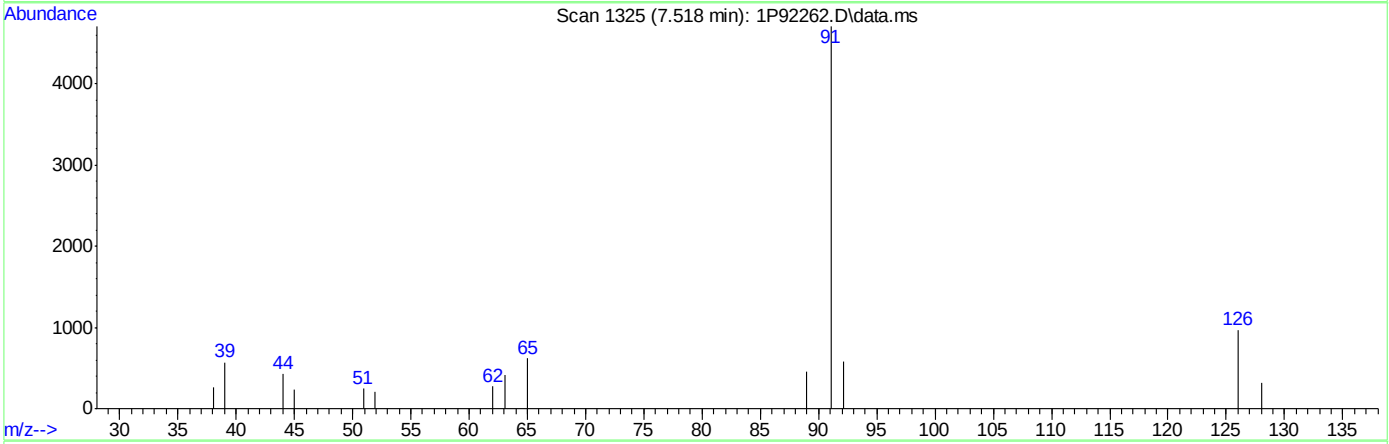
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration
1,4-Dichlorobenzene	106-46-7		7.35	Missed peak
Benzyl Chloride	100-44-7		7.52	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(107) Benzyl Chloride

7.520min (-7.520) 0.00ug/L

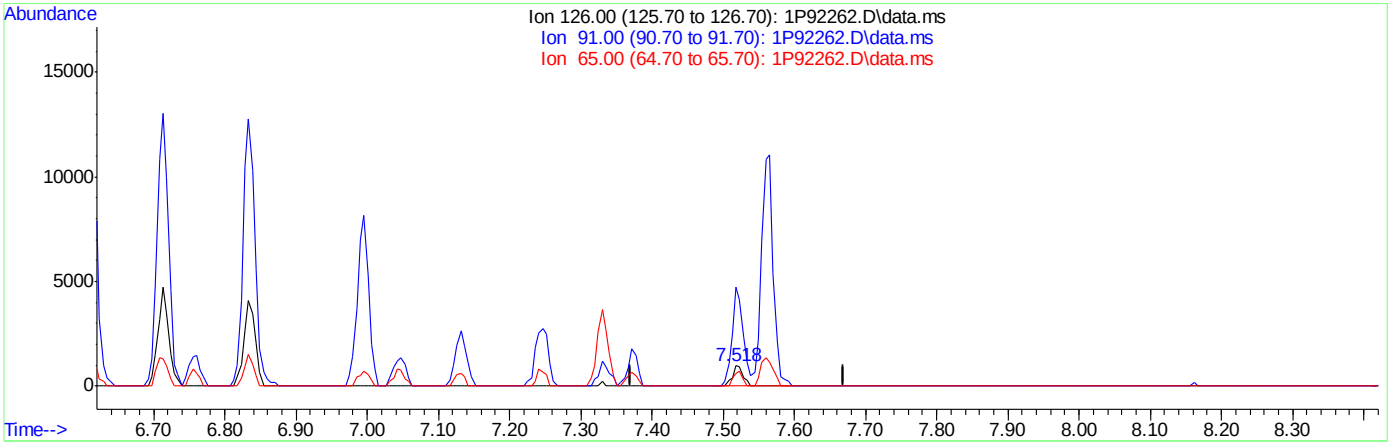
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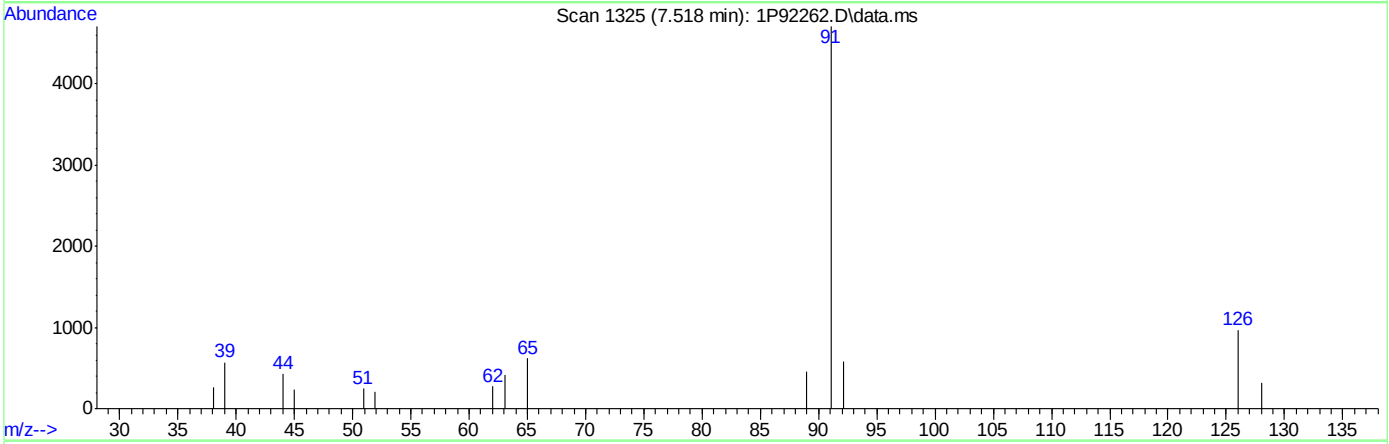
Ion	Exp%	Act%
126.00	100	0.00
91.00	522.30	0.00#
65.00	61.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(107) Benzyl Chloride

7.518min (-0.002) 0.57ug/L m

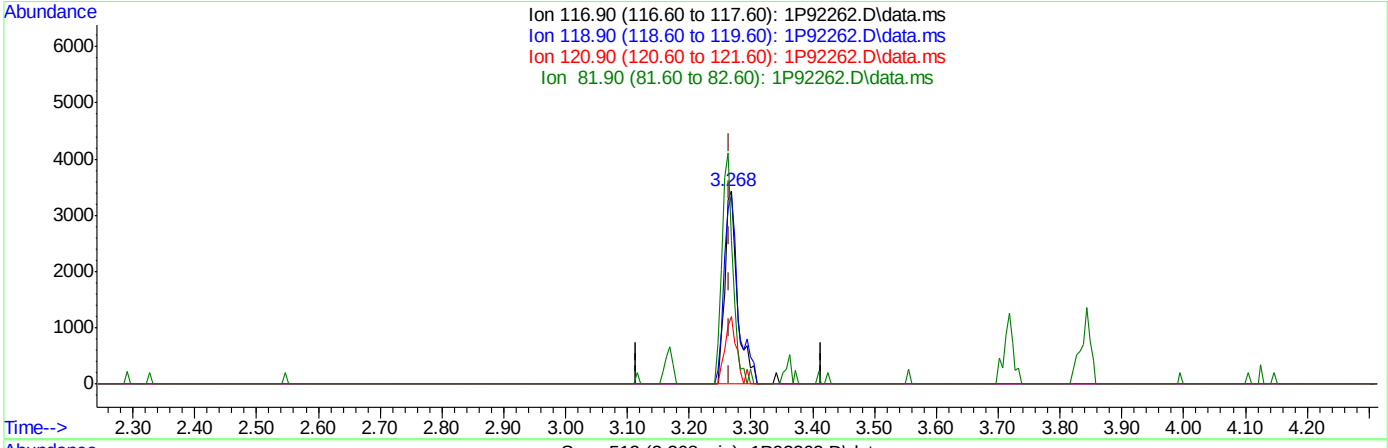
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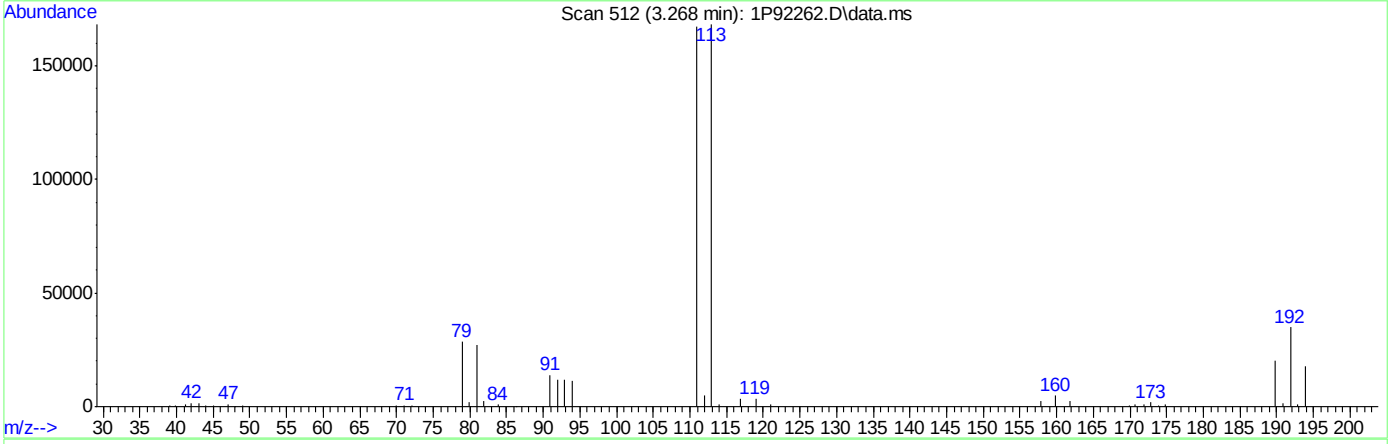
Ion	Exp%	Act%
126.00	100	100
91.00	522.30	486.17#
65.00	61.30	63.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (+0.003) 0.79ug/L

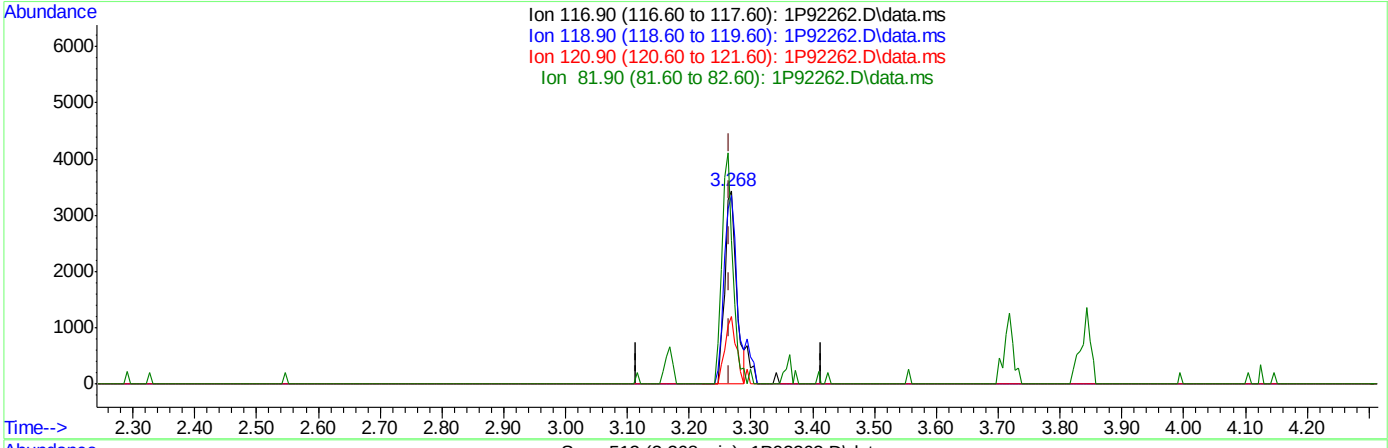
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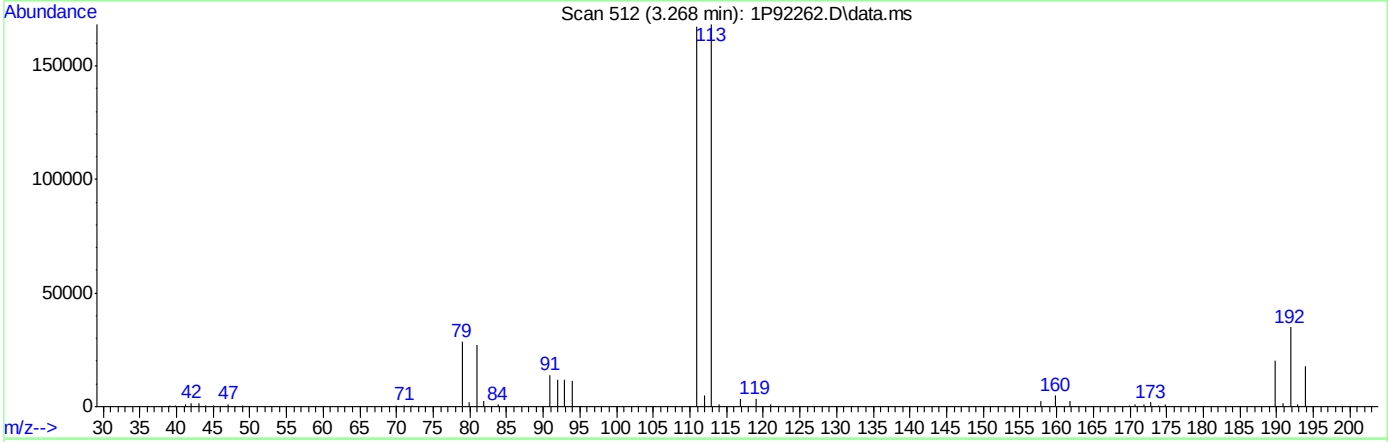
Ion	Exp%	Act%
116.90	100	100
118.90	94.50	97.87
120.90	30.70	35.28
81.90	28.60	74.76#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (+0.003) 0.72ug/L m

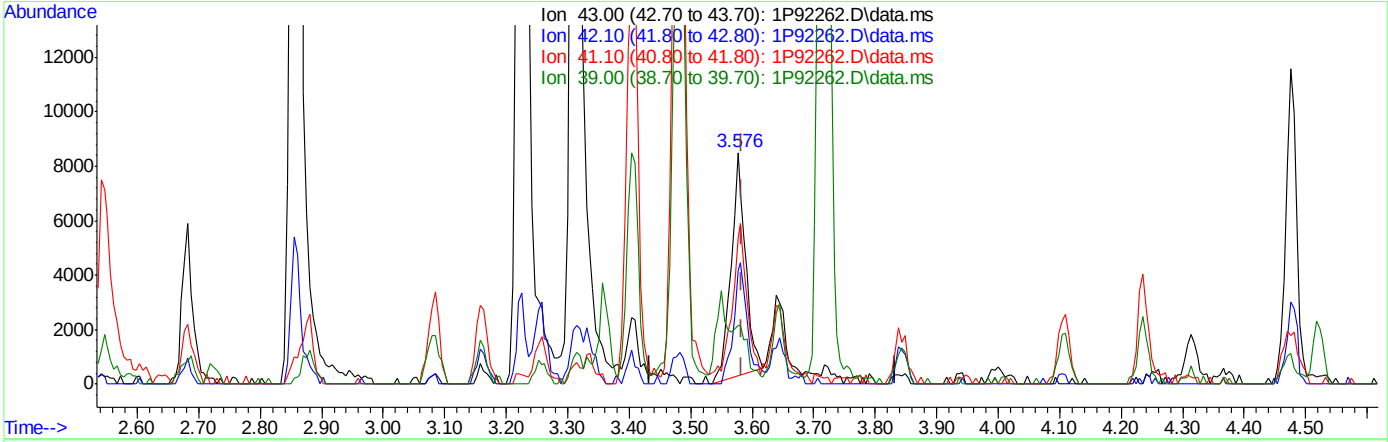
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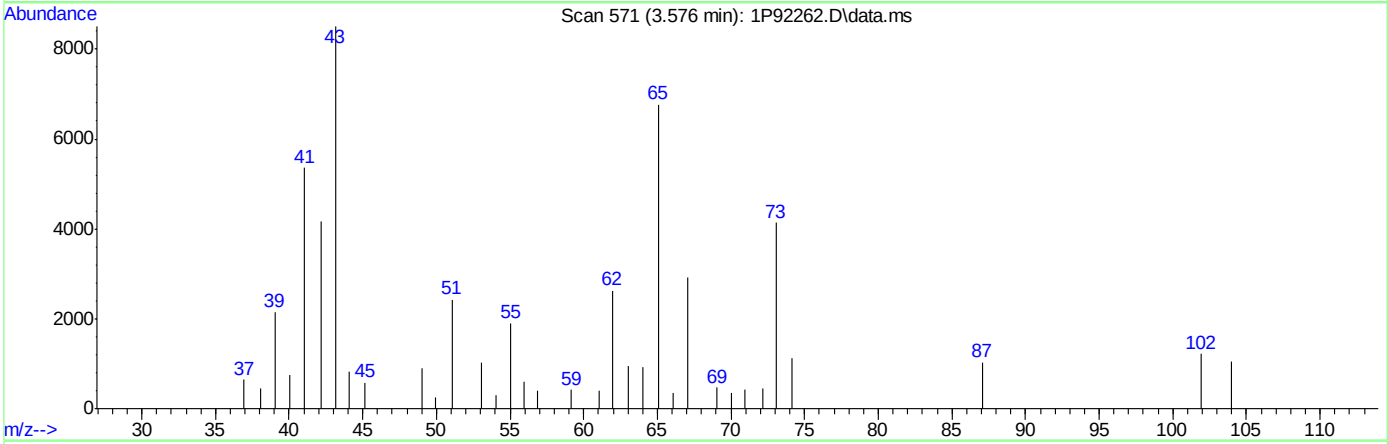
Ion	Exp%	Act%
116.90	100	100
118.90	94.50	97.87
120.90	30.70	35.28
81.90	28.60	74.76#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(50) Isobutyl alcohol

3.576min (-0.007) 16.91ug/L

response 13621

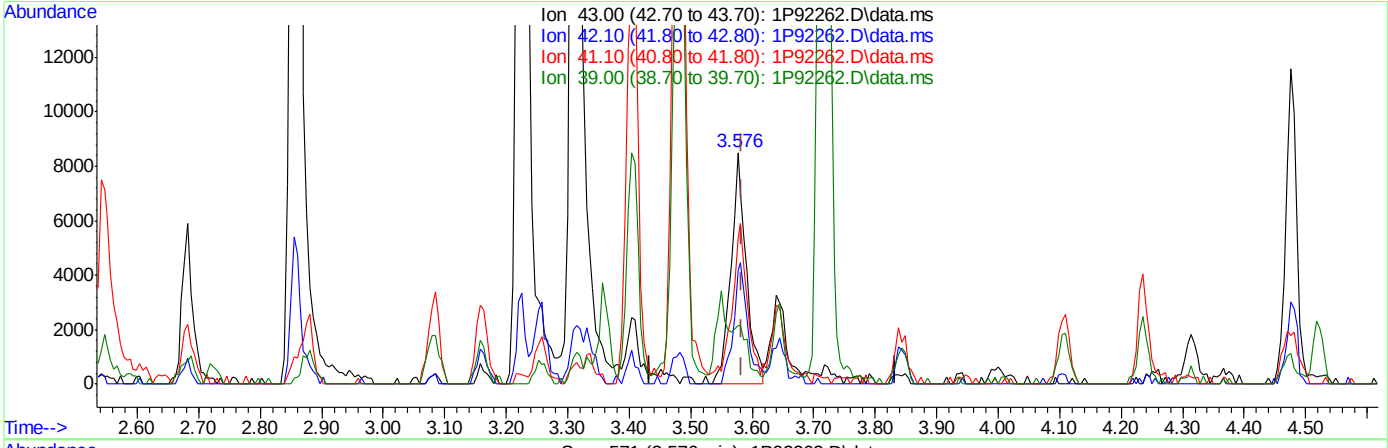
Ion	Exp%	Act%
43.00	100	100
42.10	56.90	49.01
41.10	70.50	58.09
39.00	27.60	22.12

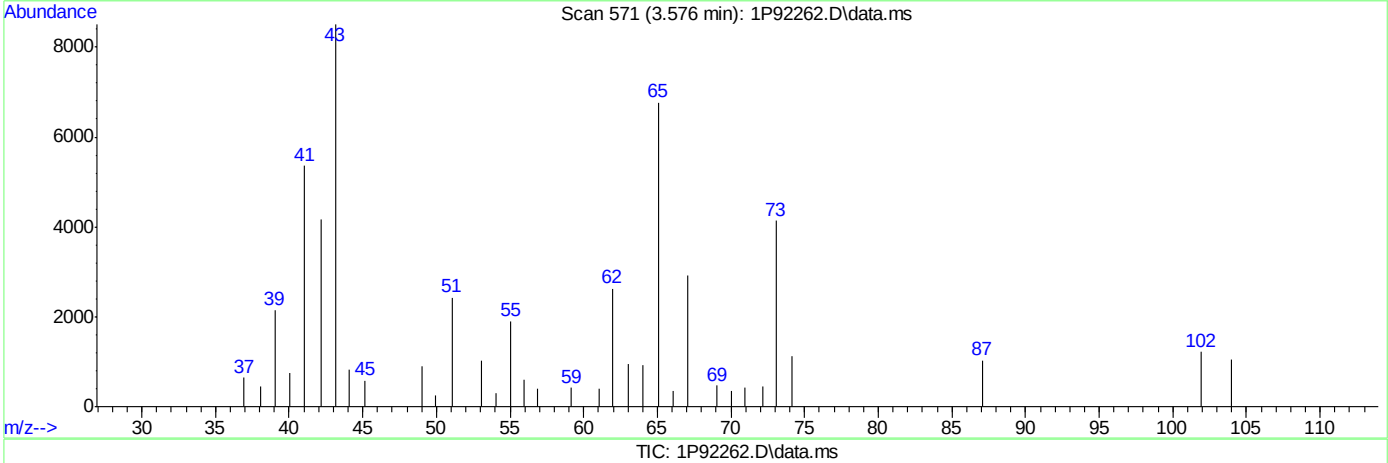
SGS FA98456

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(50) Isobutyl alcohol

3.576min (-0.007) 18.74ug/L m

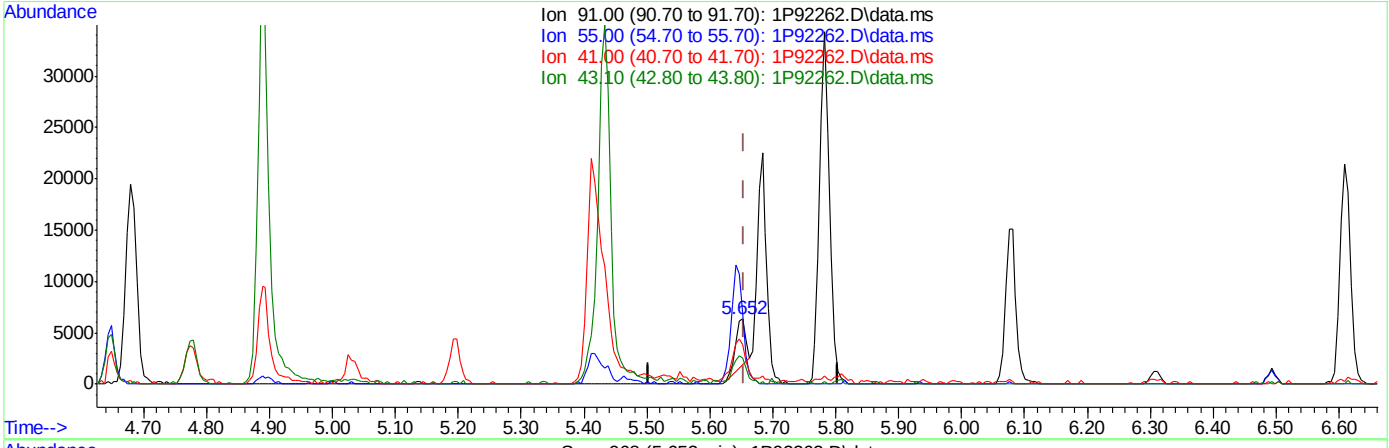
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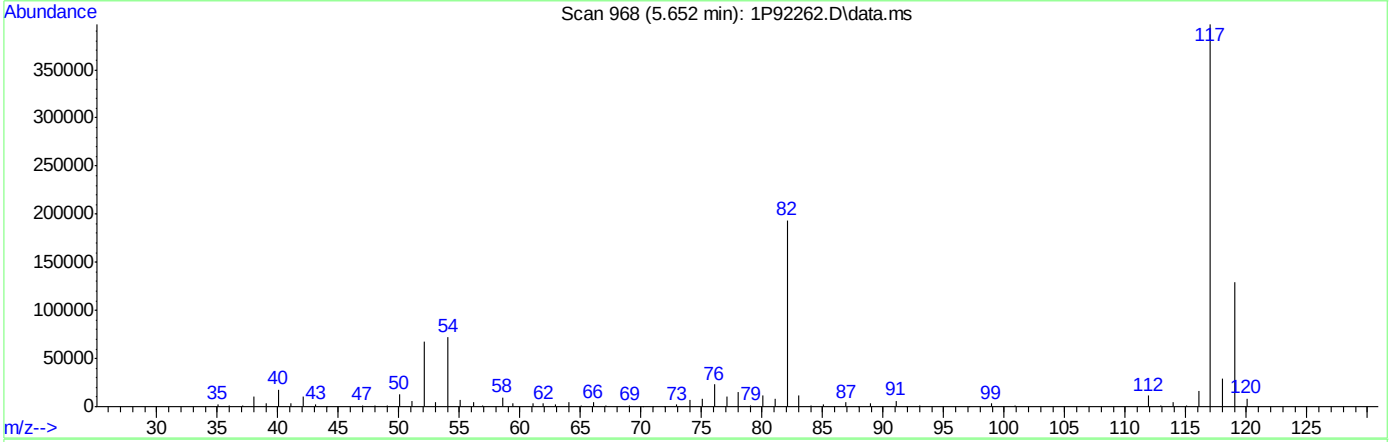
Ion	Exp%	Act%
43.00	100	100
42.10	56.90	49.01
41.10	70.50	62.96
39.00	27.60	25.36

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(76) 1-Chlorohexane

5.652min (-0.002) 0.67ug/L

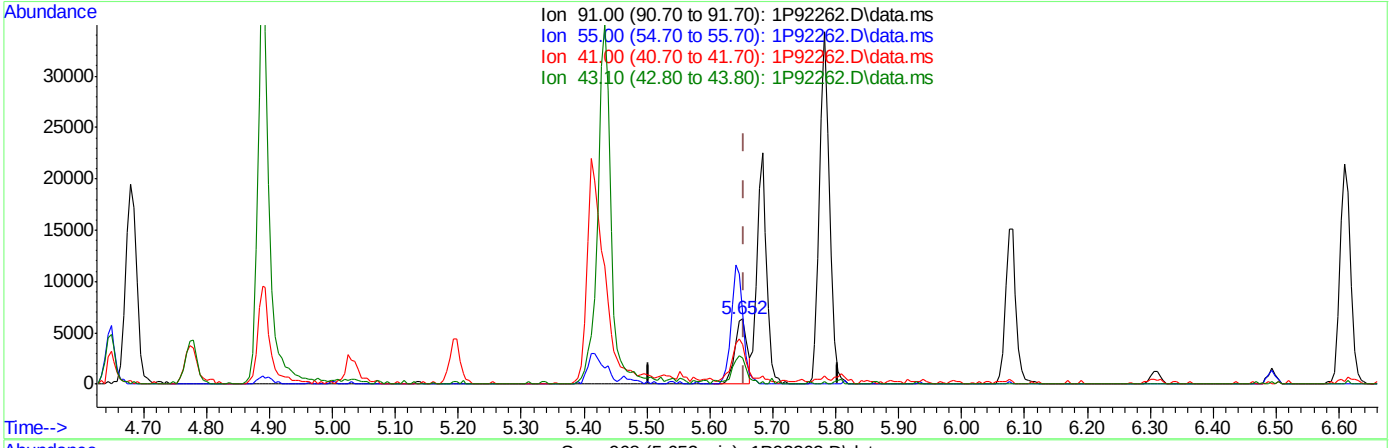
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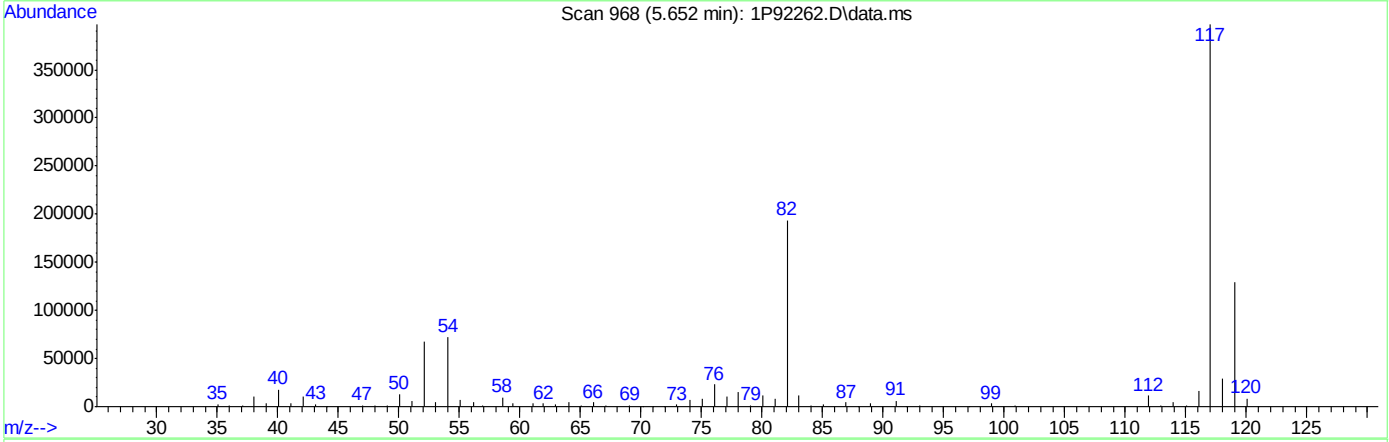
Ion	Exp%	Act%
91.00	100	100
55.00	67.30	96.41#
41.00	46.80	45.76
43.10	40.60	36.46

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(76) 1-Chlorohexane

5.652min (-0.002) 1.06ug/L m

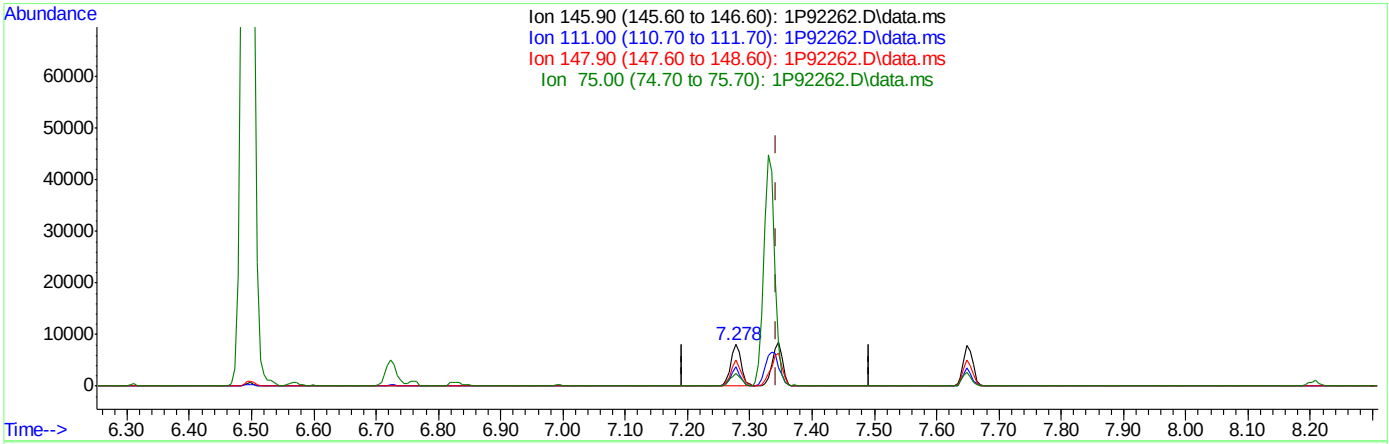
response 8298

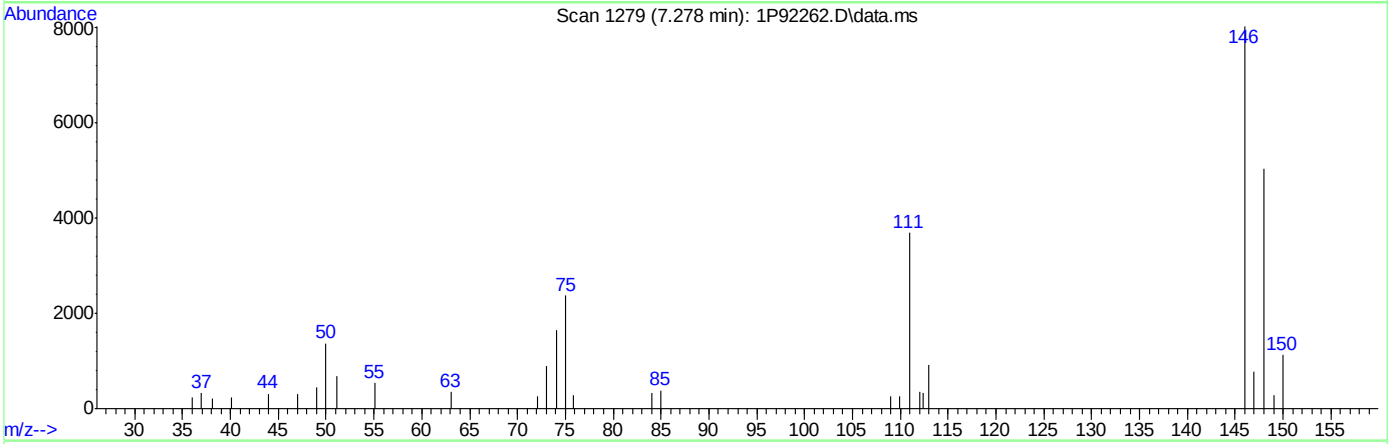
Ion	Exp%	Act%
91.00	100	100
55.00	67.30	109.40#
41.00	46.80	60.18
43.10	40.60	40.50

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(105) 1,4-Dichlorobenzene

7.278min (-0.065) 0.88ug/L

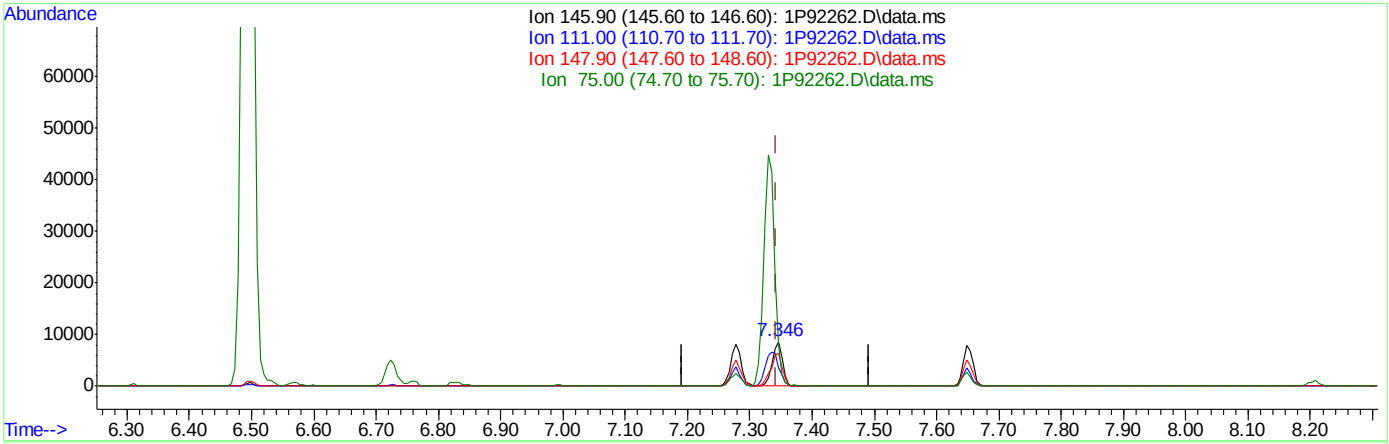
response 9065

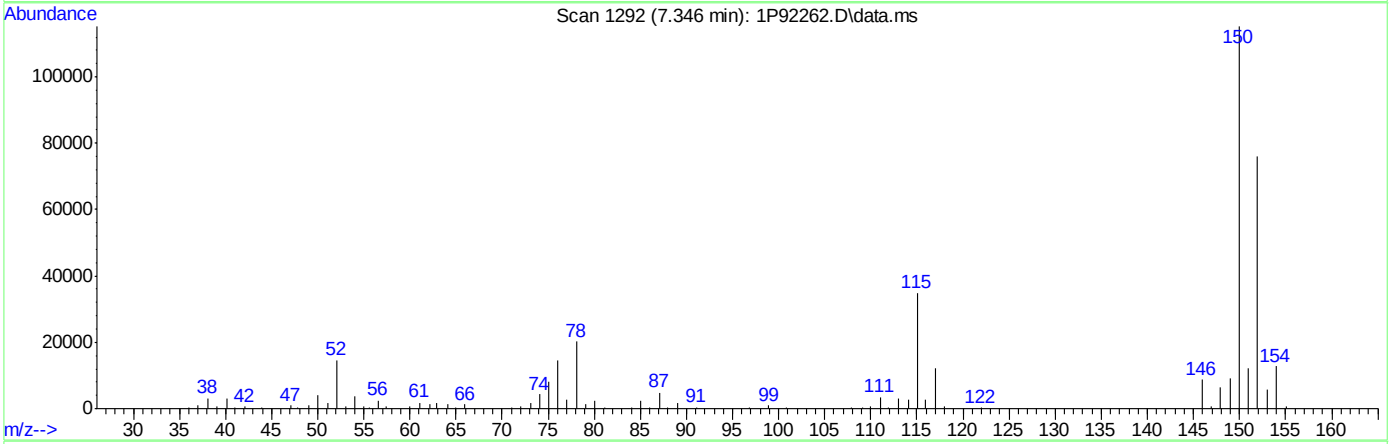
Ion	Exp%	Act%
145.90	100	100
111.00	41.70	46.03
147.90	67.20	62.77
75.00	38.40	29.61

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92262.D
Acq On : 24 Aug 2022 9:34 am
Operator : courtnef
Sample : IC3565-1
Misc : MS52202,V1P3565,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 09:44:53 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92262.D\data.ms

(105) 1,4-Dichlorobenzene

7.346min (+0.003) 0.91ug/L m

response 9418

Ion	Exp%	Act%
145.90	100	100
111.00	41.70	40.20
147.90	67.20	74.78
75.00	38.40	94.90#

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 10:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92264.D
Acq On : 24 Aug 2022 10:06 am
Operator : courtnef
Sample : IC3565-2
Misc : MS52202,V1P3565,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 10:18:23 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.720	96	1476201	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.644	117	995261	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	427505	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.265	113	309082	49.06	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.12%				
49) 1,2-Dichloroethane-d4	3.548	65	433858	48.63	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.26%				
63) Toluene-d8	4.651	98	1404255	50.46	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.92%				
86) 4-Bromofluorobenzene	6.496	174	341753	50.97	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.94%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.117	85	16851	4.51	ug/L		100
3) Chloromethane	1.247	50	18528	4.68	ug/L		99
4) 1,3-butadiene	1.310	39	20956	4.16	ug/L		96
5) Vinyl Chloride	1.300	62	25348	4.85	ug/L		99
6) Bromomethane	1.503	94	13453	6.61	ug/L		96
7) Chloroethane	1.577	64	12030	5.17	ug/L		95
8) Trichlorofluoromethane	1.676	101	31844	3.74	ug/L		98
9) Ethyl Ether	1.875	59	24157	4.25	ug/L		99
10) Ethanol	1.943	45	14212m	125.84	ug/L		
11) 1,2-Dichlorotrifluoroe...	1.974	67	23851	4.66	ug/L		92
12) 1,1-Dichloroethene	1.979	61	33473	4.66	ug/L		98
13) Freon 113	2.011	101	20325	4.55	ug/L		93
14) Carbon Disulfide	2.000	76	46306	4.34	ug/L		98
15) Iodomethane	2.058	142	7894	3.90	ug/L		95
16) Acrolein	2.152	56	41560	27.29	ug/L		97
17) Allyl chloride	2.246	41	23150	4.68	ug/L		96
18) Methylene Chloride	2.298	49	45018	6.24	ug/L		97
19) Acetone	2.314	43	77493	26.78	ug/L		97
20) Methyl acetate	2.392	43	159269	25.09	ug/L		99
21) trans-1,2-Dichloroethene	2.397	61	33539	4.45	ug/L		95
22) Hexane	2.465	56	17487	4.44	ug/L	#	83
23) Methyl Tert Butyl Ether	2.465	73	75424	4.46	ug/L		99
24) Tert Butyl Alcohol	2.497	59	81674	53.51	ug/L		94
25) Acetonitrile	2.549	41	50773	55.99	ug/L		91
26) Di-isopropyl ether	2.685	45	69990	4.41	ug/L		98
27) Chloroprene	2.727	53	94338	5.13	ug/L		99
28) 1,1-Dichloroethane	2.727	63	43848	4.51	ug/L		99
29) Acrylonitrile	2.727	52	74309	26.22	ug/L		94
30) ETBE	2.878	59	79096	4.27	ug/L		95
31) Vinyl acetate	2.857	43	265039	21.74	ug/L		99
32) cis-1,2-Dichloroethene	3.020	96	27321	4.77	ug/L		97
33) 2,2-Dichloropropane	3.088	77	29842	4.25	ug/L		94
34) Bromochloromethane	3.124	128	12350	5.11	ug/L		96
35) Cyclohexane	3.161	56	39599	4.28	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92264.D
Acq On : 24 Aug 2022 10:06 am
Operator : courtnef
Sample : IC3565-2
Misc : MS52202,V1P3565,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 10:18:23 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.166	83	43804	4.44	ug/L		99
37) Ethyl acetate	3.229	43	204284	23.53	ug/L		98
38) Tetrahydrofuran	3.255	42	17094	5.43	ug/L		98
40) Carbon Tetrachloride	3.265	117	24652m	4.20	ug/L		
41) 1,1,1-Trichloroethane	3.291	97	35989	4.43	ug/L		93
42) 2-Butanone	3.312	43	140030	26.08	ug/L		100
43) 1,1-Dichloropropene	3.365	75	33503	4.55	ug/L		98
44) tert-Butyl formate	3.406	59	76919	20.30	ug/L	#	84
45) Propionitrile	3.459	54	83831	57.48	ug/L		99
46) Methacrylonitrile	3.480	41	228701	49.30	ug/L		97
47) Benzene	3.495	78	105809	4.49	ug/L		90
48) TAME	3.569	73	72899	4.39	ug/L		85
50) Isobutyl alcohol	3.579	43	79496m	101.49	ug/L		
51) 1,2-Dichloroethane	3.589	62	37386	4.43	ug/L		98
52) Tert Amyl Alcohol	3.647	59	64411	51.83	ug/L		87
53) Trichloroethene	3.825	95	26529	4.53	ug/L		99
54) Methylcyclohexane	3.846	83	36400	4.34	ug/L		98
55) Dibromomethane	4.050	93	13857	4.19	ug/L		91
56) 1,2-Dichloropropane	4.107	63	24933	4.42	ug/L		96
57) Bromodichloromethane	4.144	83	22817	3.86	ug/L		92
58) Methyl methacrylate	4.238	41	25769	4.48	ug/L		98
59) 1,4-Dioxane	4.259	88	13823	111.16	ug/L		98
60) 2-Chloroethyl vinyl ether	4.478	63	104930	22.83	ug/L		99
61) cis-1,3-Dichloropropene	4.520	75	28328	3.87	ug/L		97
64) Toluene	4.682	91	112040	4.52	ug/L		98
65) 2-Nitropropane	4.776	41	26103	16.30	ug/L		92
66) 4-Methyl-2-pentanone	4.891	43	211593	24.44	ug/L		99
67) trans-1,3-Dichloropropene	4.917	75	26141	4.11	ug/L		94
68) Tetrachloroethene	4.938	166	24589	4.51	ug/L		95
69) Ethyl methacrylate	5.032	69	35727	4.31	ug/L		98
70) 1,1,2-Trichloroethane	5.017	83	18689	4.43	ug/L		92
71) Dibromochloromethane	5.142	129	15675	3.84	ug/L		93
72) 1,3-Dichloropropane	5.194	76	42324	4.59	ug/L		97
73) 1,2-Dibromoethane	5.294	107	22398	4.52	ug/L		92
74) 3,3-dimethyl-1-butanol	5.414	57	368701	241.29	ug/L		98
75) 2-hexanone	5.430	43	226103	25.36	ug/L	#	77
76) 1-Chlorohexane	5.649	91	36744m	4.74	ug/L		
77) Ethylbenzene	5.681	91	122015	4.61	ug/L		97
78) Chlorobenzene	5.654	112	65595	4.50	ug/L		98
79) 1,1,1,2-Tetrachloroethane	5.696	131	18126	4.11	ug/L		94
80) m,p-Xylene	5.785	91	188616	9.10	ug/L		97
81) o-Xylene	6.078	91	91691	4.49	ug/L		96
82) Styrene	6.109	104	66009	4.30	ug/L		99
83) Bromoform	6.120	173	7409	3.65	ug/L		96
84) Isopropylbenzene	6.308	105	105094	4.52	ug/L		97
87) cis-1,4-Dichloro-2-butene	6.528	53	10609	4.89	ug/L	#	77
88) n-Propylbenzene	6.611	91	122463	4.51	ug/L		99
89) Bromobenzene	6.569	156	25799	4.66	ug/L		95
90) 1,1,2,2-Tetrachloroethane	6.632	83	33061	4.64	ug/L		98
91) 1,3,5-Trimethylbenzene	6.758	105	84311	4.50	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92264.D
Acq On : 24 Aug 2022 10:06 am
Operator : courtnef
Sample : IC3565-2
Misc : MS52202,V1P3565,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 10:18:23 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

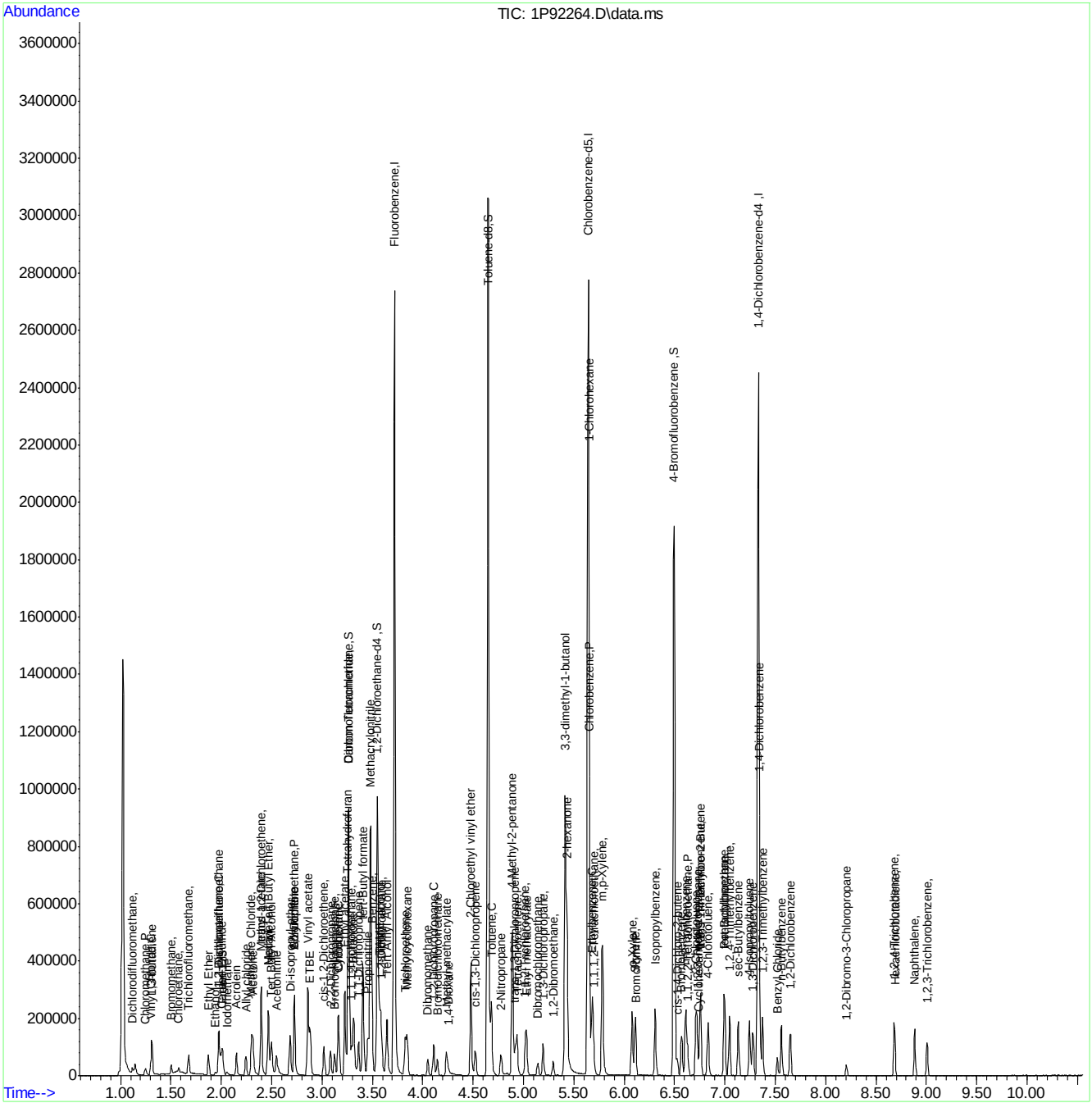
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.711	91	72610	4.44	ug/L		99
93)	trans-1,4-Dichloro-2-B...	6.758	53	12121	4.68	ug/L	#	78
94)	1,2,3-Trichloropropane	6.726	110	12421	4.79	ug/L		98
95)	Cyclohexanone	6.742	55	11329	25.26	ug/L		84
96)	4-Chlorotoluene	6.831	91	79205	4.66	ug/L		96
97)	tert-Butylbenzene	6.993	91	46511	4.48	ug/L		94
99)	1,2,4-Trimethylbenzene	7.045	105	79895	4.42	ug/L		97
100)	Pentachloroethane	6.993	167	8795	4.09	ug/L	#	31
101)	sec-Butylbenzene	7.134	105	90003	4.44	ug/L		99
102)	4-Isopropyltoluene	7.244	119	76273	4.34	ug/L		95
103)	1,3-Dichlorobenzene	7.280	146	43807	4.48	ug/L		96
104)	1,2,3-Trimethylbenzene	7.375	105	81349	4.43	ug/L		100
105)	1,4-Dichlorobenzene	7.343	146	46520	4.51	ug/L		90
106)	n-Butylbenzene	7.563	92	37172	4.31	ug/L		94
107)	Benzyl Chloride	7.521	126	5135	2.88	ug/L	#	59
108)	1,2-Dichlorobenzene	7.652	146	42033	4.55	ug/L		98
109)	1,2-Dibromo-3-Chloropr...	8.206	75	5475	3.97	ug/L		90
110)	Hexachlorobutadiene	8.687	225	8226	4.59	ug/L		92
111)	1,2,4-Trichlorobenzene	8.681	180	21819	4.32	ug/L		97
112)	Naphthalene	8.885	128	76688	4.06	ug/L		97
113)	1,2,3-Trichlorobenzene	9.011	180	19779	4.12	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92264.D
Acq On : 24 Aug 2022 10:06 am
Operator : courtnef
Sample : IC3565-2
Misc : MS52202,V1P3565,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 10:18:23 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration



V1P_2022-08-24.M Wed Aug 24 10:18:46 2022 Page: 4

Manual Integration Approval Summary

Sample Number: V1P3565-IC3565
Lab FileID: 1P92264.D
Injection Time: 08/24/22 10:06

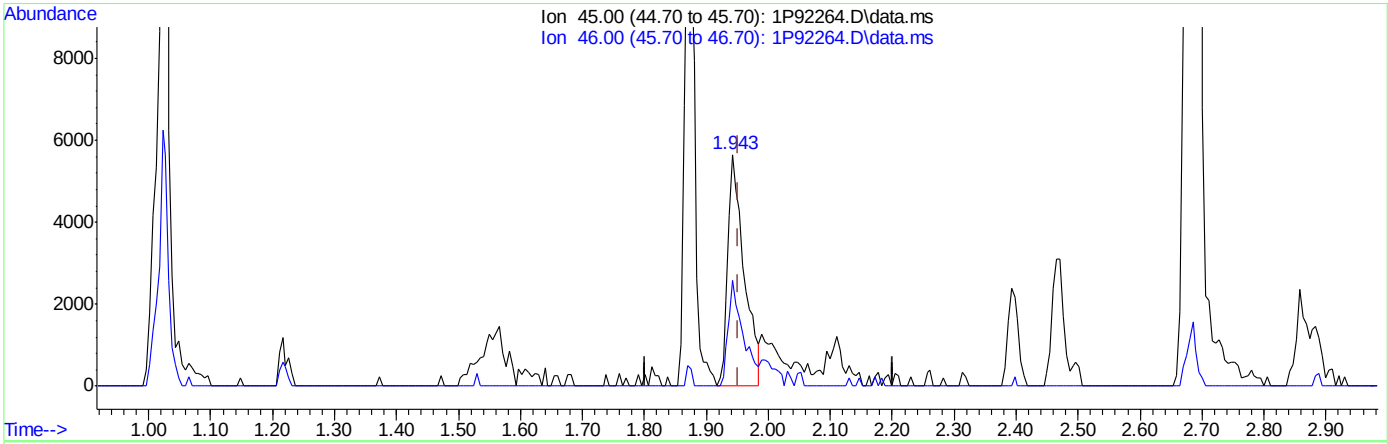
Method: SW846 8260D
Analyst approved: 08/24/22 10:19 Courtney Failla
Supervisor approved: 08/25/22 10:27 Karen Watson

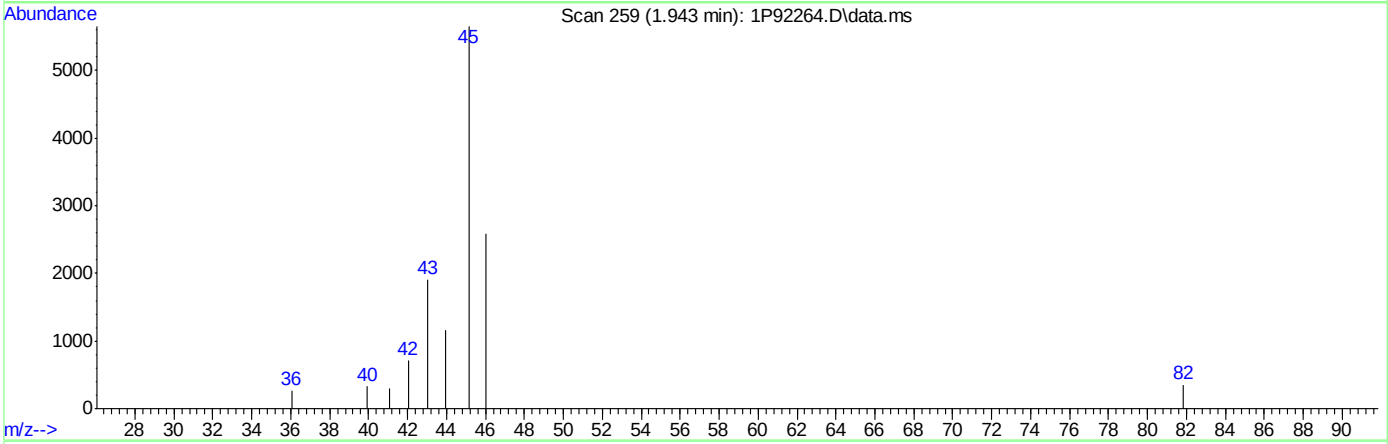
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.94	Poor instrument integration
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92264.D
Acq On : 24 Aug 2022 10:06 am
Operator : courtnef
Sample : IC3565-2
Misc : MS52202,V1P3565,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 10:17:02 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92264.D\data.ms

(10) Ethanol

1.943min (-0.009) 91.27ug/L

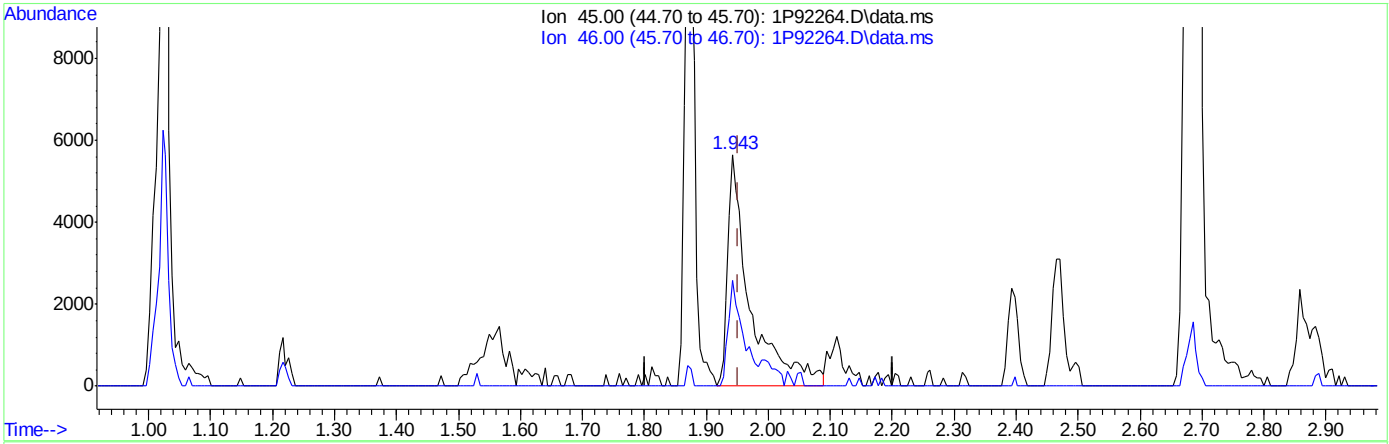
response 10332

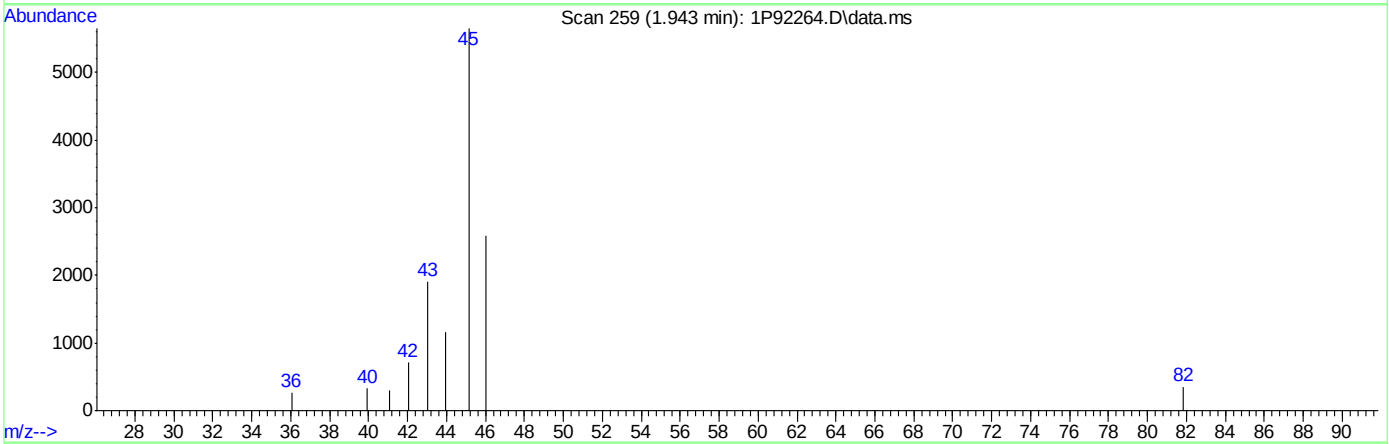
Ion	Exp%	Act%
45.00	100	100
46.00	38.70	45.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92264.D
Acq On : 24 Aug 2022 10:06 am
Operator : courtnef
Sample : IC3565-2
Misc : MS52202,V1P3565,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 10:17:02 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92264.D\data.ms

(10) Ethanol

1.943min (-0.009) 125.84ug/L m

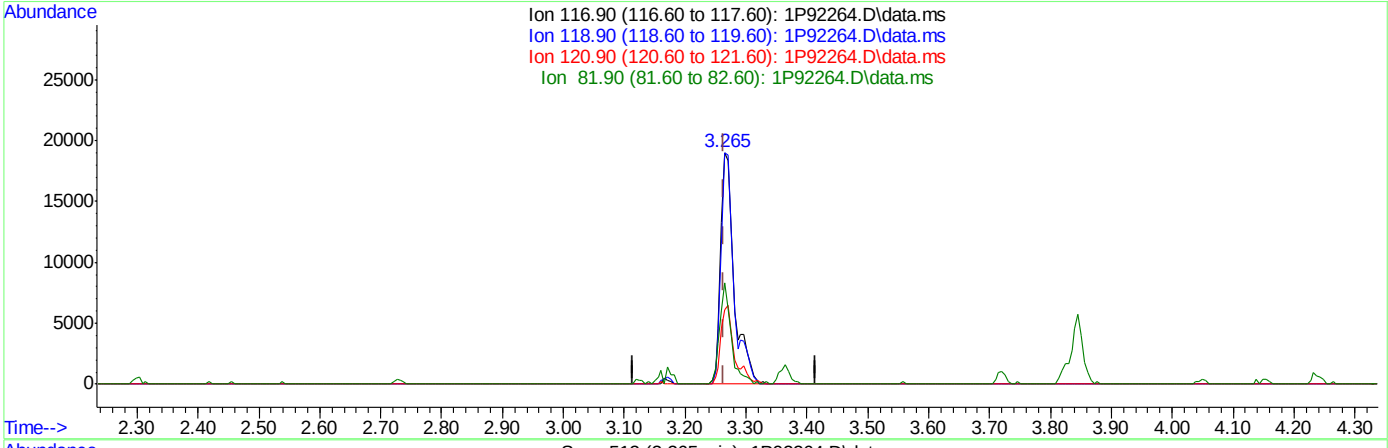
response 14212

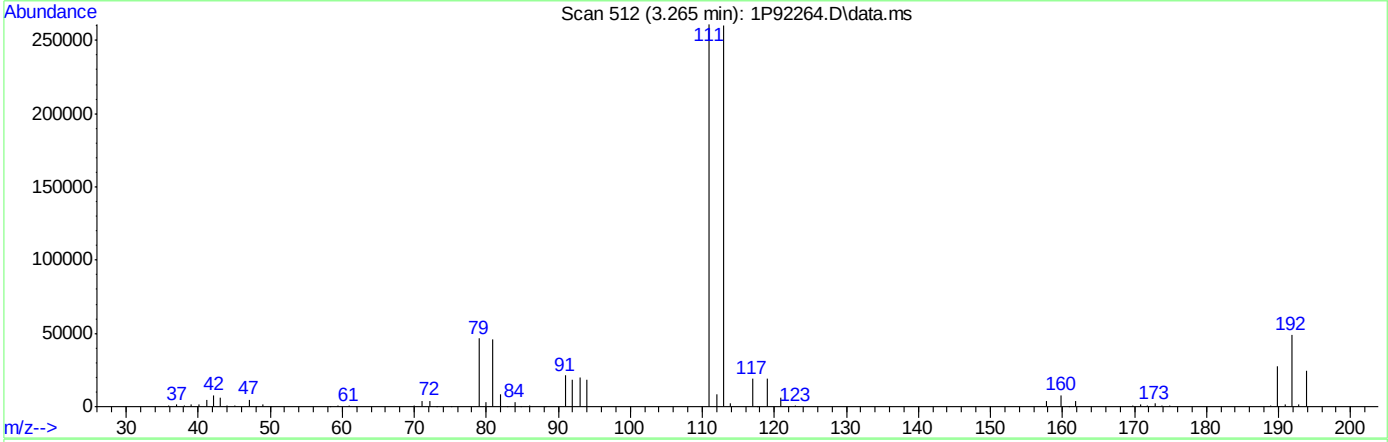
Ion	Exp%	Act%
45.00	100	100
46.00	38.70	45.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92264.D
Acq On : 24 Aug 2022 10:06 am
Operator : courtnef
Sample : IC3565-2
Misc : MS52202,V1P3565,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 10:17:02 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92264.D\data.ms

(40) Carbon Tetrachloride ( )

3.265min (+0.001) 4.93ug/L

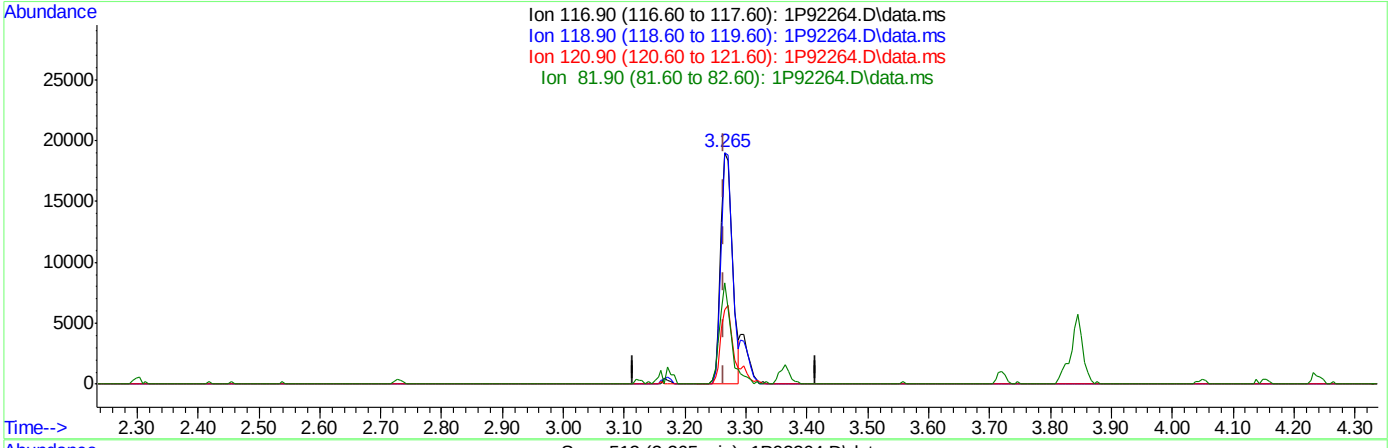
response 28945

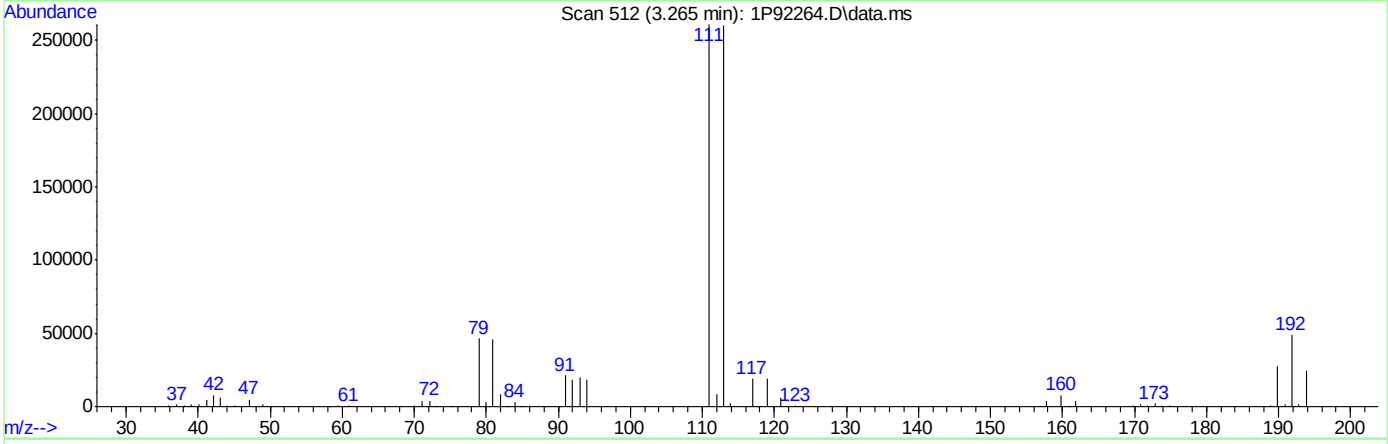
Ion	Exp%	Act%
116.90	100	100
118.90	94.50	100.00
120.90	30.70	31.92
81.90	28.60	43.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92264.D
Acq On : 24 Aug 2022 10:06 am
Operator : courtnef
Sample : IC3565-2
Misc : MS52202,V1P3565,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 10:17:02 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92264.D\data.ms

(40) Carbon Tetrachloride ( )

3.265min (+0.001) 4.20ug/L m

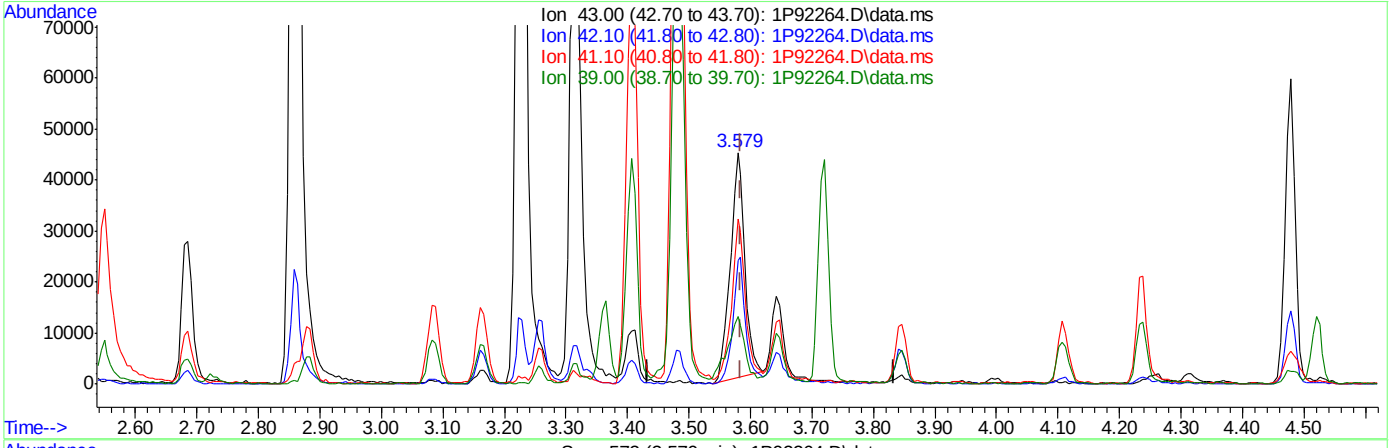
response 24652

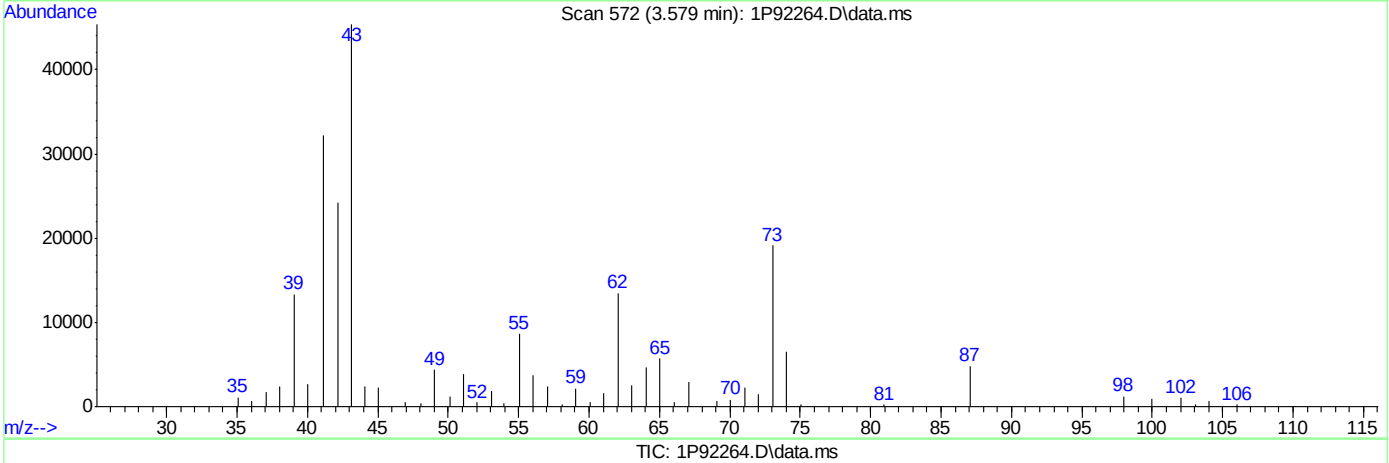
Ion	Exp%	Act%
116.90	100	100
118.90	94.50	100.00
120.90	30.70	31.92
81.90	28.60	43.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92264.D
Acq On : 24 Aug 2022 10:06 am
Operator : courtnef
Sample : IC3565-2
Misc : MS52202,V1P3565,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 10:17:02 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92264.D\data.ms

(50) Isobutyl alcohol

3.579min (-0.005) 93.16ug/L

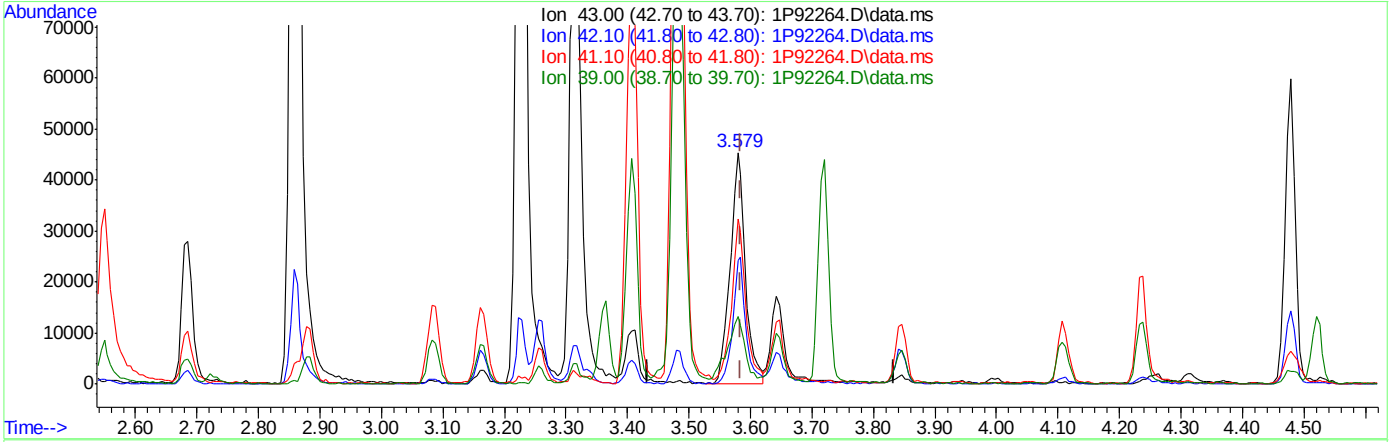
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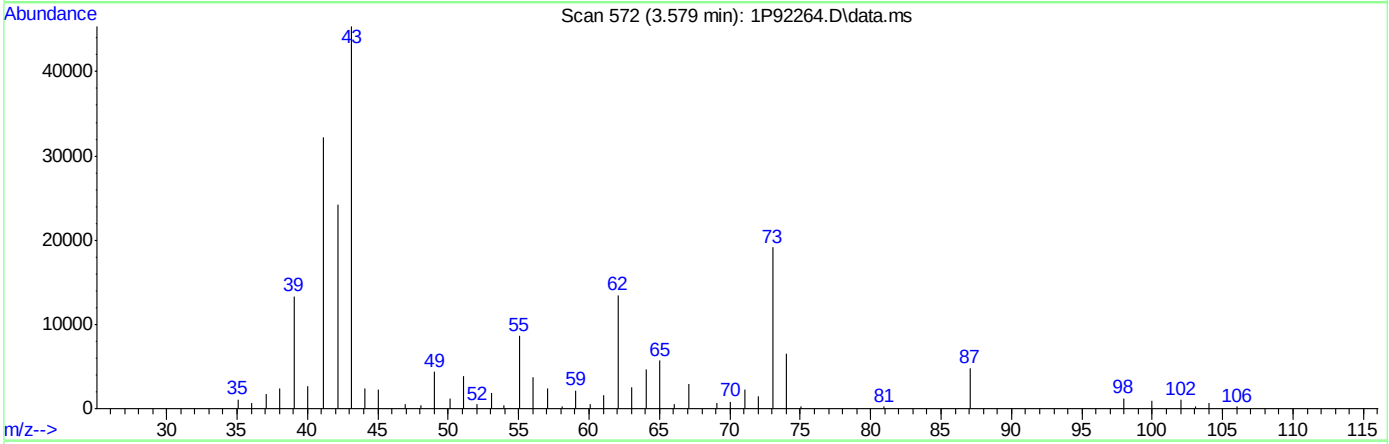
Ion	Exp%	Act%
43.00	100	100
42.10	56.90	53.51
41.10	70.50	68.79
39.00	27.60	26.56

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92264.D
Acq On : 24 Aug 2022 10:06 am
Operator : courtnef
Sample : IC3565-2
Misc : MS52202,V1P3565,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 10:17:02 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92264.D\data.ms

(50) Isobutyl alcohol

3.579min (-0.005) 101.49ug/L m

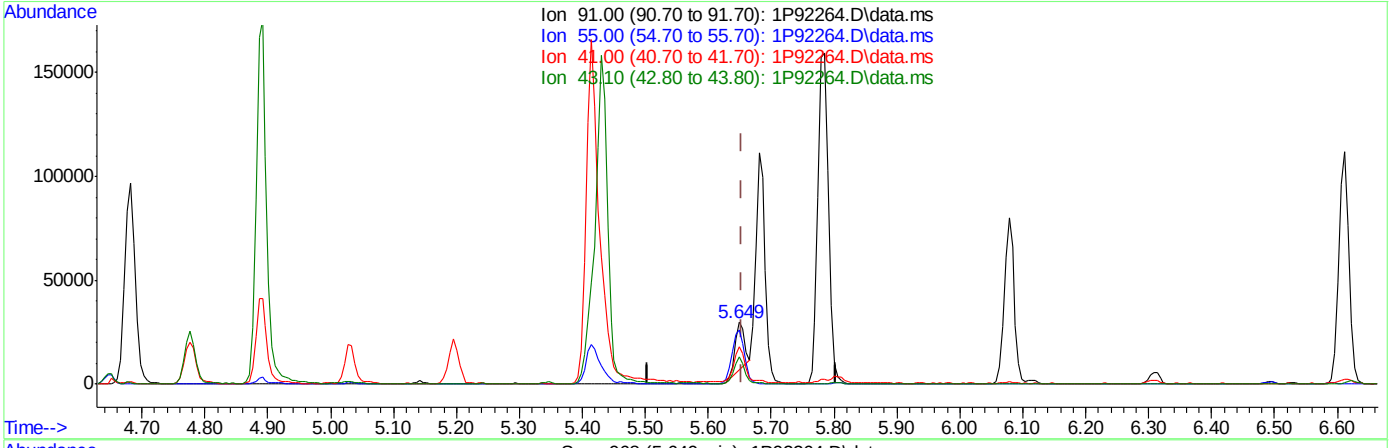
response 79496

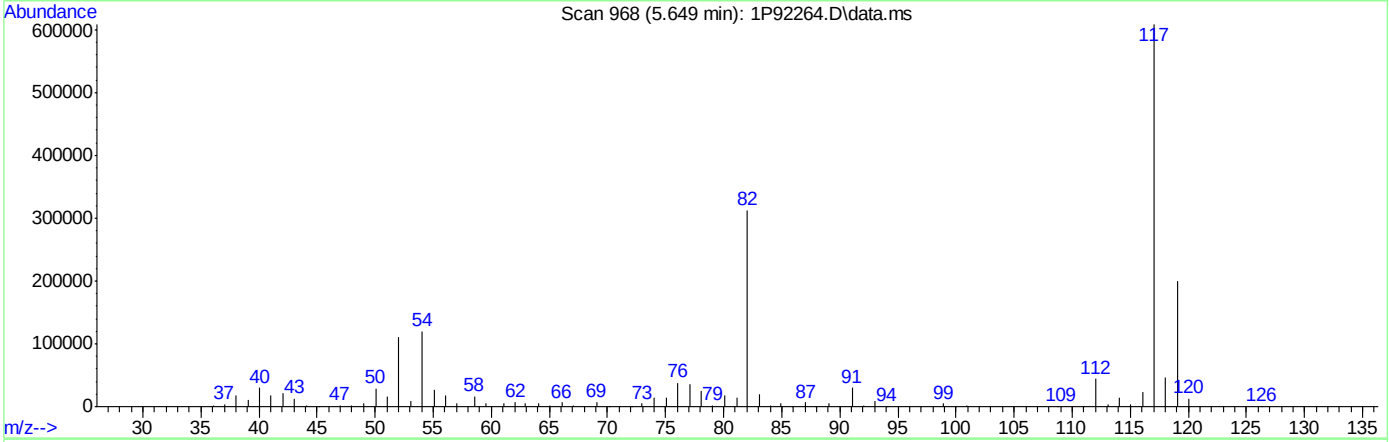
Ion	Exp%	Act%
43.00	100	100
42.10	56.90	53.51
41.10	70.50	71.10
39.00	27.60	29.39

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92264.D
Acq On : 24 Aug 2022 10:06 am
Operator : courtnef
Sample : IC3565-2
Misc : MS52202,V1P3565,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 10:17:02 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92264.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.005) 3.02ug/L

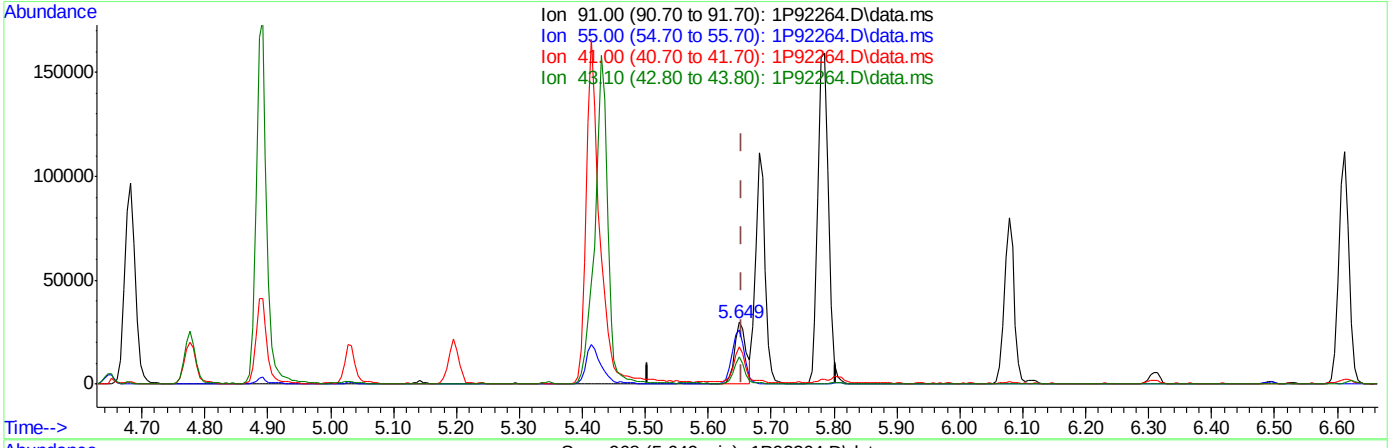
response 23395

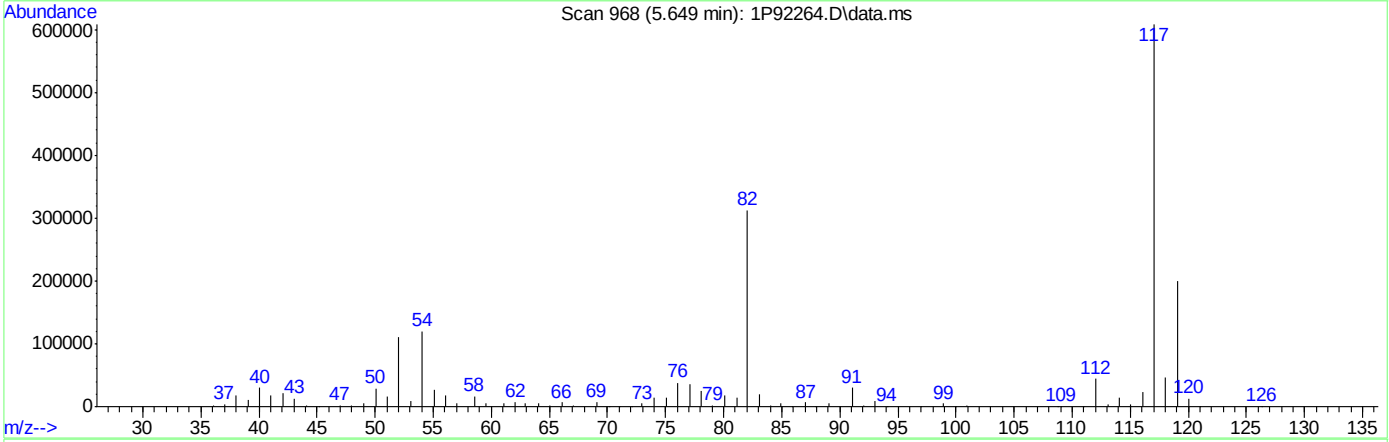
Ion	Exp%	Act%
91.00	100	100
55.00	67.30	81.39
41.00	46.80	55.17
43.10	40.60	42.41

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92264.D
Acq On : 24 Aug 2022 10:06 am
Operator : courtnef
Sample : IC3565-2
Misc : MS52202,V1P3565,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 10:17:02 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92264.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.005) 4.74ug/L m

response 36744

Ion	Exp%	Act%
91.00	100	100
55.00	67.30	88.63#
41.00	46.80	59.88
43.10	40.60	44.05

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 10:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92266.D
Acq On : 24 Aug 2022 10:38 am
Operator : courtnef
Sample : IC3565-3
Misc : MS52202,V1P3565,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 24 11:08:05 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1479912	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	1004271	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.332	152	434604	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.265	113	315921	50.02	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.04%			
49) 1,2-Dichloroethane-d4	3.552	65	444780	49.73	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.46%			
63) Toluene-d8	4.650	98	1417053	50.47	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.94%			
86) 4-Bromofluorobenzene	6.496	174	353858	51.91	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.82%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.116	85	39095	10.44	ug/L	100
3) Chloromethane	1.247	50	47608	11.99	ug/L	98
4) 1,3-butadiene	1.310	39	40773	8.15	ug/L	97
5) Vinyl Chloride	1.299	62	59862	11.43	ug/L	96
6) Bromomethane	1.503	94	31755	15.56	ug/L	92
7) Chloroethane	1.576	64	23676	10.40	ug/L	94
8) Trichlorofluoromethane	1.675	101	73370	8.93	ug/L	98
9) Ethyl Ether	1.874	59	61784	10.83	ug/L	98
10) Ethanol	1.947	45	25053	222.77	ug/L	92
11) 1,2-Dichlorotrifluoroe...	1.973	67	53284	10.38	ug/L	94
12) 1,1-Dichloroethene	1.979	61	76161	10.58	ug/L	97
13) Freon 113	2.010	101	45019	10.05	ug/L	91
14) Carbon Disulfide	2.000	76	114088	10.67	ug/L	99
15) Iodomethane	2.057	142	20768	10.07	ug/L	94
16) Acrolein	2.151	56	99946	64.80	ug/L	97
17) Allyl chloride	2.245	41	51300	10.35	ug/L	98
18) Methylene Chloride	2.298	49	83616	11.71	ug/L	96
19) Acetone	2.313	43	180908	62.35	ug/L	98
20) Methyl acetate	2.392	43	407718	63.56	ug/L	100
21) trans-1,2-Dichloroethene	2.397	61	81425	10.77	ug/L	96
22) Hexane	2.465	56	36981	9.36	ug/L	93
23) Methyl Tert Butyl Ether	2.465	73	191016	11.27	ug/L	94
24) Tert Butyl Alcohol	2.502	59	214437	140.13	ug/L	96
25) Acetonitrile	2.549	41	108170	118.98	ug/L	98
26) Di-isopropyl ether	2.684	45	174870	10.99	ug/L	98
27) Chloroprene	2.726	53	230212	12.42	ug/L	99
28) 1,1-Dichloroethane	2.726	63	105989	10.88	ug/L	99
29) Acrylonitrile	2.726	52	179442	62.81	ug/L	98
30) ETBE	2.878	59	209836	11.30	ug/L	99
31) Vinyl acetate	2.857	43	673585	54.92	ug/L	100
32) cis-1,2-Dichloroethene	3.019	96	65401	11.40	ug/L	98
33) 2,2-Dichloropropane	3.082	77	75117	10.67	ug/L	98
34) Bromochloromethane	3.124	128	30360	12.52	ug/L	93
35) Cyclohexane	3.160	56	87277	9.42	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92266.D
Acq On : 24 Aug 2022 10:38 am
Operator : courtnef
Sample : IC3565-3
Misc : MS52202,V1P3565,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 24 11:08:05 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.165	83	108502	10.96	ug/L		99
37) Ethyl acetate	3.223	43	509650	58.38	ug/L		99
38) Tetrahydrofuran	3.254	42	41403	13.11	ug/L		98
40) Carbon Tetrachloride	3.265	117	61790m	10.49	ug/L		
41) 1,1,1-Trichloroethane	3.296	97	87602	10.75	ug/L		96
42) 2-Butanone	3.312	43	317172	58.93	ug/L		98
43) 1,1-Dichloropropene	3.364	75	77848	10.55	ug/L		96
44) tert-Butyl formate	3.406	59	205400	54.08	ug/L		92
45) Propionitrile	3.458	54	182812	125.03	ug/L		100
46) Methacrylonitrile	3.479	41	520416	111.91	ug/L		98
47) Benzene	3.495	78	250759	10.62	ug/L		95
48) TAME	3.568	73	186498	11.20	ug/L		92
50) Isobutyl alcohol	3.578	43	194719m	247.98	ug/L		
51) 1,2-Dichloroethane	3.589	62	94592	11.18	ug/L		98
52) Tert Amyl Alcohol	3.641	59	171573	137.72	ug/L		93
53) Trichloroethene	3.824	95	62294	10.60	ug/L		98
54) Methylcyclohexane	3.845	83	80817	9.61	ug/L		98
55) Dibromomethane	4.049	93	36589	11.04	ug/L		97
56) 1,2-Dichloropropane	4.112	63	63199	11.17	ug/L		98
57) Bromodichloromethane	4.143	83	62059	10.48	ug/L		98
58) Methyl methacrylate	4.237	41	61487	10.66	ug/L		96
59) 1,4-Dioxane	4.258	88	34835	279.44	ug/L		98
60) 2-Chloroethyl vinyl ether	4.478	63	260785	56.60	ug/L		97
61) cis-1,3-Dichloropropene	4.520	75	80206	10.92	ug/L		98
64) Toluene	4.682	91	271145	10.85	ug/L		99
65) 2-Nitropropane	4.776	41	85381	52.85	ug/L		95
66) 4-Methyl-2-pentanone	4.891	43	516185	59.08	ug/L		99
67) trans-1,3-Dichloropropene	4.917	75	73730	11.48	ug/L		98
68) Tetrachloroethene	4.938	166	56691	10.31	ug/L		94
69) Ethyl methacrylate	5.032	69	86131	10.30	ug/L		96
70) 1,1,2-Trichloroethane	5.021	83	48271	11.33	ug/L		98
71) Dibromochloromethane	5.142	129	44370	10.77	ug/L		97
72) 1,3-Dichloropropane	5.194	76	104420	11.22	ug/L		99
73) 1,2-Dibromoethane	5.293	107	58119	11.61	ug/L		98
74) 3,3-dimethyl-1-butanol	5.414	57	999042	647.94	ug/L		100
75) 2-hexanone	5.429	43	572960	63.69	ug/L	#	80
76) 1-Chlorohexane	5.649	91	80475m	10.30	ug/L		
77) Ethylbenzene	5.680	91	292981	10.97	ug/L		99
78) Chlorobenzene	5.654	112	163885	11.14	ug/L		99
79) 1,1,1,2-Tetrachloroethane	5.696	131	49294	11.08	ug/L		98
80) m,p-Xylene	5.785	91	457916	21.90	ug/L		99
81) o-Xylene	6.077	91	232154	11.27	ug/L		98
82) Styrene	6.109	104	170610	11.02	ug/L		97
83) Bromoform	6.119	173	21349	10.42	ug/L		97
84) Isopropylbenzene	6.308	105	256574	10.94	ug/L		100
87) cis-1,4-Dichloro-2-butene	6.527	53	24494	11.10	ug/L	#	81
88) n-Propylbenzene	6.611	91	302870	10.98	ug/L		99
89) Bromobenzene	6.569	156	64433	11.44	ug/L		92
90) 1,1,2,2-Tetrachloroethane	6.626	83	84495	11.67	ug/L		98
91) 1,3,5-Trimethylbenzene	6.757	105	213466	11.20	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92266.D
Acq On : 24 Aug 2022 10:38 am
Operator : courtnef
Sample : IC3565-3
Misc : MS52202,V1P3565,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 24 11:08:05 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

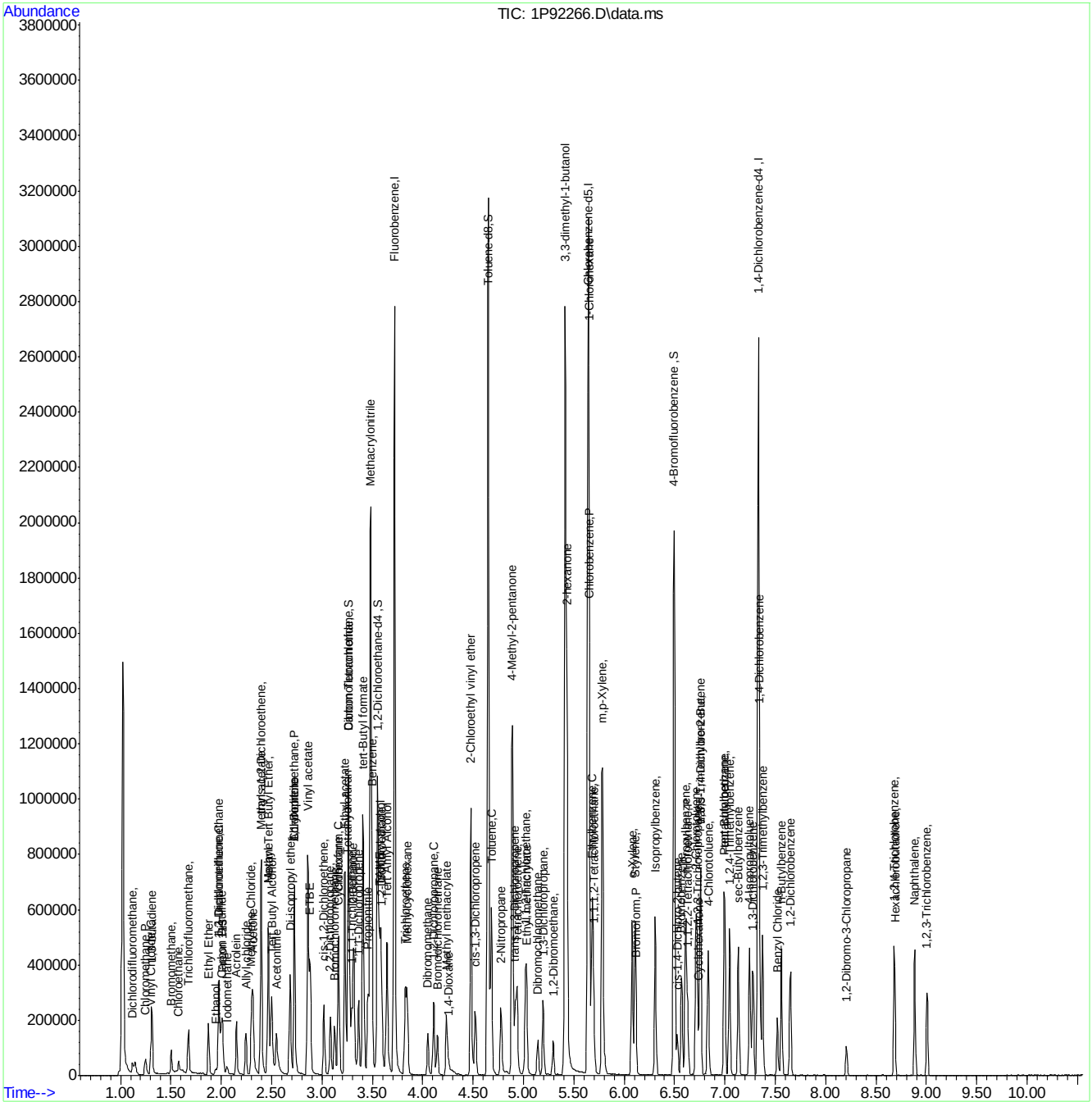
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.715	91	185922	11.17	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.757	53	33725	12.80	ug/L		84
94)	1,2,3-Trichloropropane	6.726	110	31839	12.07	ug/L		94
95)	Cyclohexanone	6.741	55	28538	62.59	ug/L		93
96)	4-Chlorotoluene	6.836	91	194987	11.29	ug/L		99
97)	tert-Butylbenzene	6.992	91	114916	10.90	ug/L		97
99)	1,2,4-Trimethylbenzene	7.045	105	207547	11.30	ug/L		97
100)	Pentachloroethane	6.998	167	22070	10.10	ug/L	#	67
101)	sec-Butylbenzene	7.134	105	224015	10.87	ug/L		100
102)	4-Isopropyltoluene	7.243	119	197622	11.05	ug/L		97
103)	1,3-Dichlorobenzene	7.280	146	111344	11.20	ug/L		96
104)	1,2,3-Trimethylbenzene	7.374	105	206472	11.06	ug/L		99
105)	1,4-Dichlorobenzene	7.343	146	117392	11.19	ug/L		95
106)	n-Butylbenzene	7.562	92	94702	10.81	ug/L		99
107)	Benzyl Chloride	7.520	126	18099	9.98	ug/L	#	83
108)	1,2-Dichlorobenzene	7.651	146	103793	11.04	ug/L		96
109)	1,2-Dibromo-3-Chloropr...	8.205	75	15544	11.10	ug/L		91
110)	Hexachlorobutadiene	8.686	225	19766	10.85	ug/L		90
111)	1,2,4-Trichlorobenzene	8.681	180	57207	11.13	ug/L		96
112)	Naphthalene	8.885	128	219801	11.44	ug/L		99
113)	1,2,3-Trichlorobenzene	9.005	180	52990	10.86	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92266.D
Acq On : 24 Aug 2022 10:38 am
Operator : courtnef
Sample : IC3565-3
Misc : MS52202,V1P3565,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 24 11:08:05 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V1P3565-IC3565
Lab FileID: 1P92266.D
Injection Time: 08/24/22 10:38

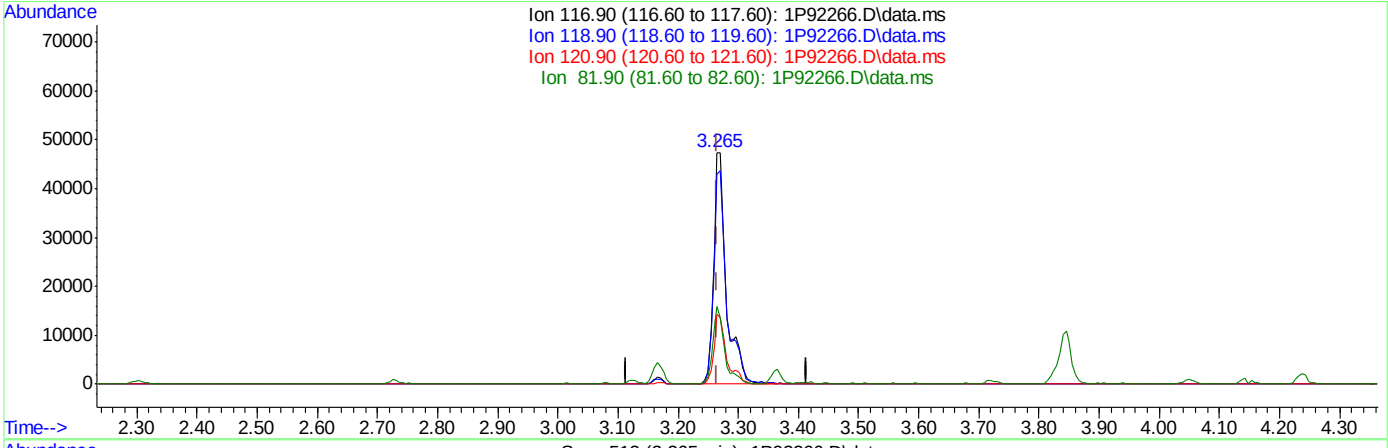
Method: SW846 8260D
Analyst approved: 08/24/22 11:10 Courtney Failla
Supervisor approved: 08/25/22 10:27 Karen Watson

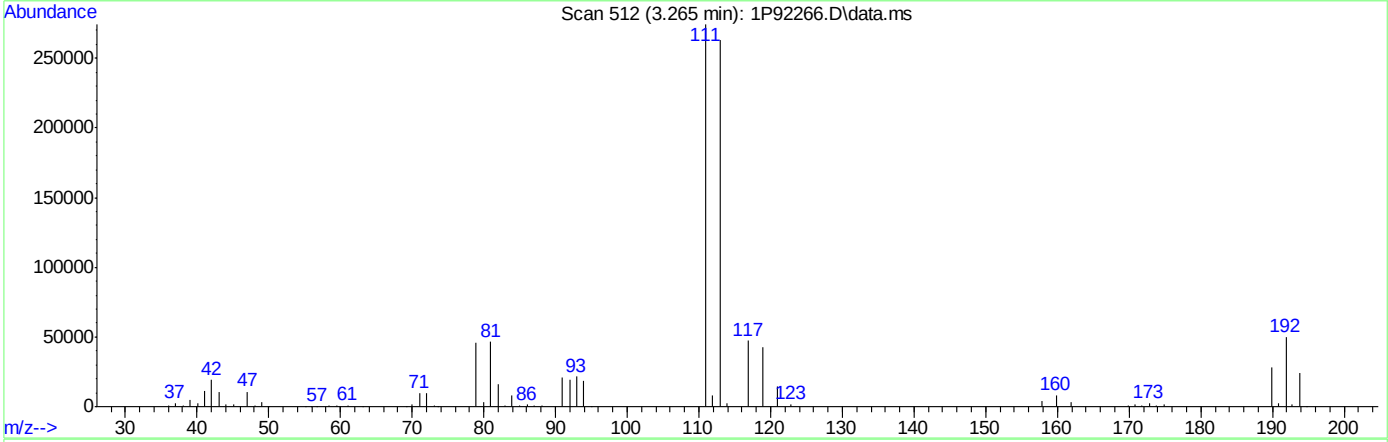
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.26	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92266.D
Acq On : 24 Aug 2022 10:38 am
Operator : courtnef
Sample : IC3565-3
Misc : MS52202,V1P3565,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 24 11:06:26 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92266.D\data.ms

(40) Carbon Tetrachloride ( )

3.265min (+0.000) 11.83ug/L

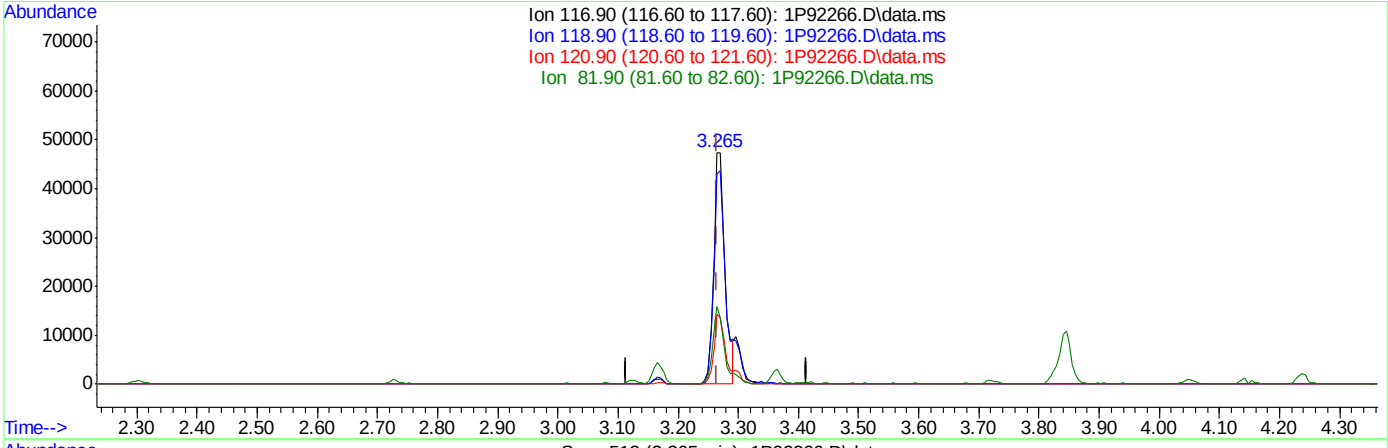
response 69691

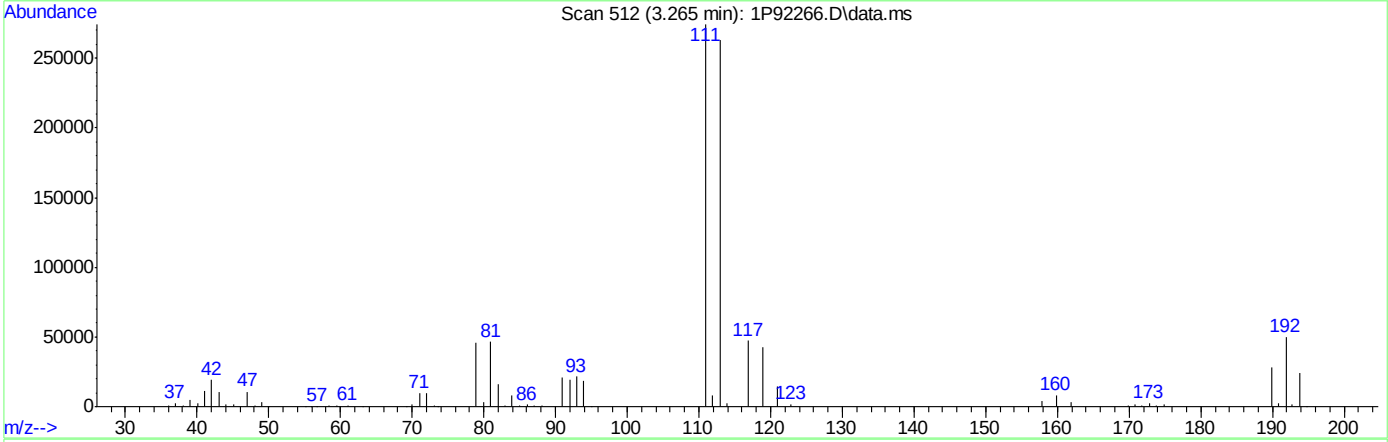
Ion	Exp%	Act%
116.90	100	100
118.90	94.50	90.64
120.90	30.70	30.12
81.90	28.60	33.53

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92266.D
Acq On : 24 Aug 2022 10:38 am
Operator : courtnef
Sample : IC3565-3
Misc : MS52202,V1P3565,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 24 11:06:26 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92266.D\data.ms

(40) Carbon Tetrachloride ( )

3.265min (+0.000) 10.49ug/L m

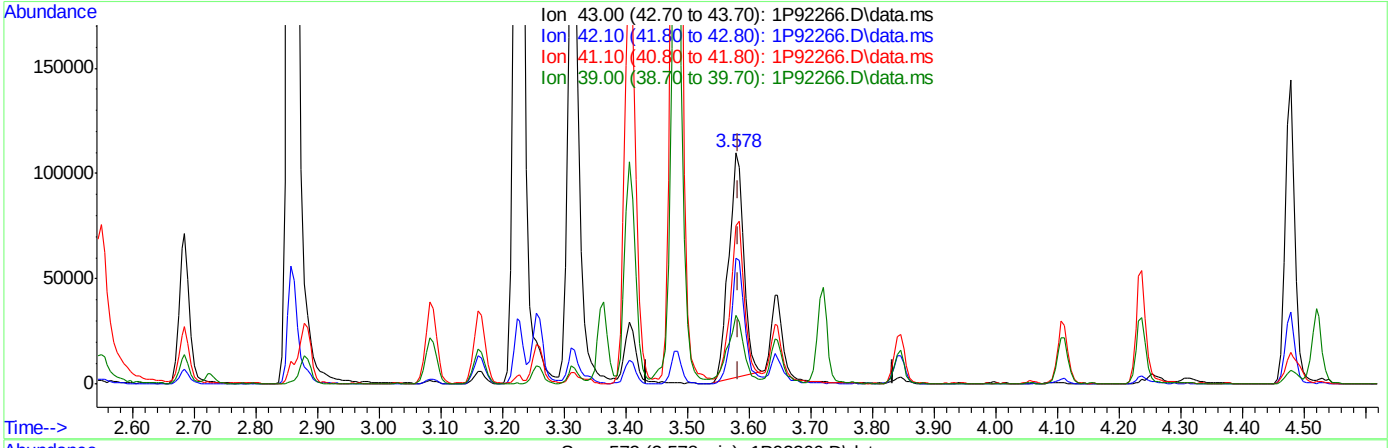
response 61790

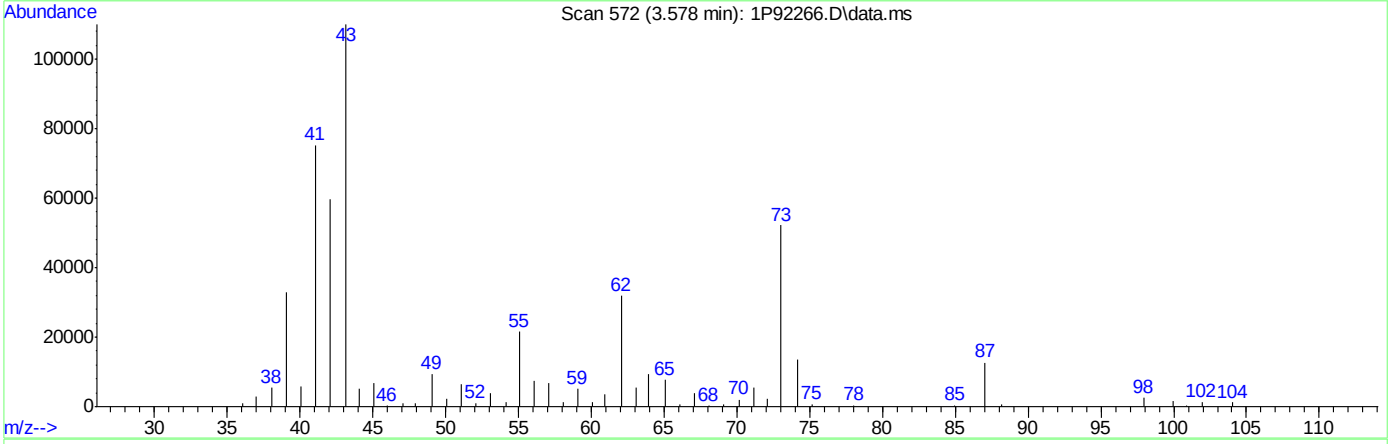
Ion	Exp%	Act%
116.90	100	100
118.90	94.50	90.64
120.90	30.70	30.12
81.90	28.60	33.53

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92266.D
Acq On : 24 Aug 2022 10:38 am
Operator : courtnef
Sample : IC3565-3
Misc : MS52202,V1P3565,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 24 11:06:26 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92266.D\data.ms

(50) Isobutyl alcohol

3.578min (-0.005) 227.97ug/L

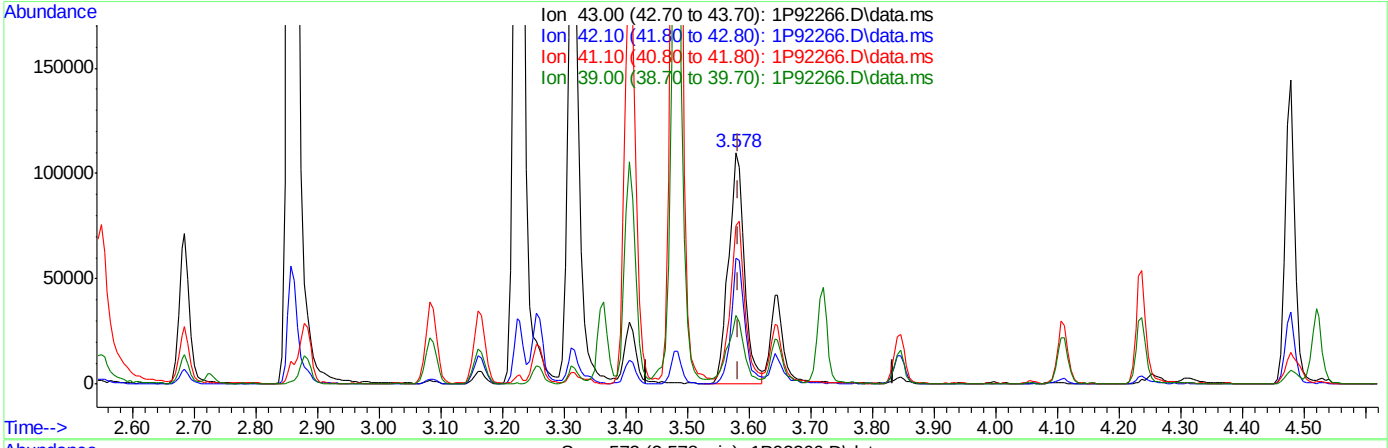
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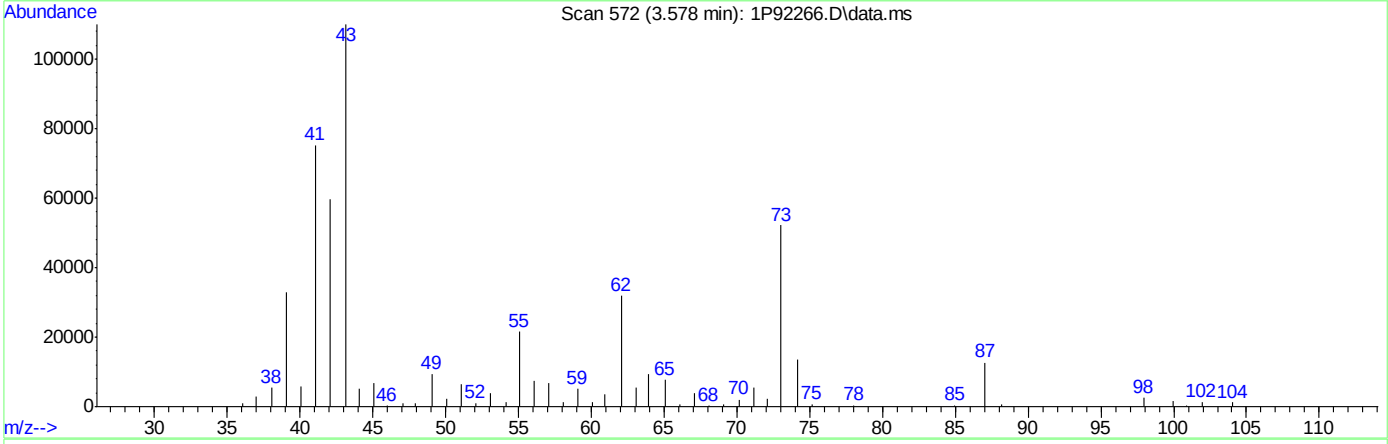
Ion	Exp%	Act%
43.00	100	100
42.10	56.90	54.39
41.10	70.50	66.46
39.00	27.60	27.98

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92266.D
Acq On : 24 Aug 2022 10:38 am
Operator : courtnef
Sample : IC3565-3
Misc : MS52202,V1P3565,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 24 11:06:26 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92266.D\data.ms

(50) Isobutyl alcohol

3.578min (-0.005) 247.98ug/L m

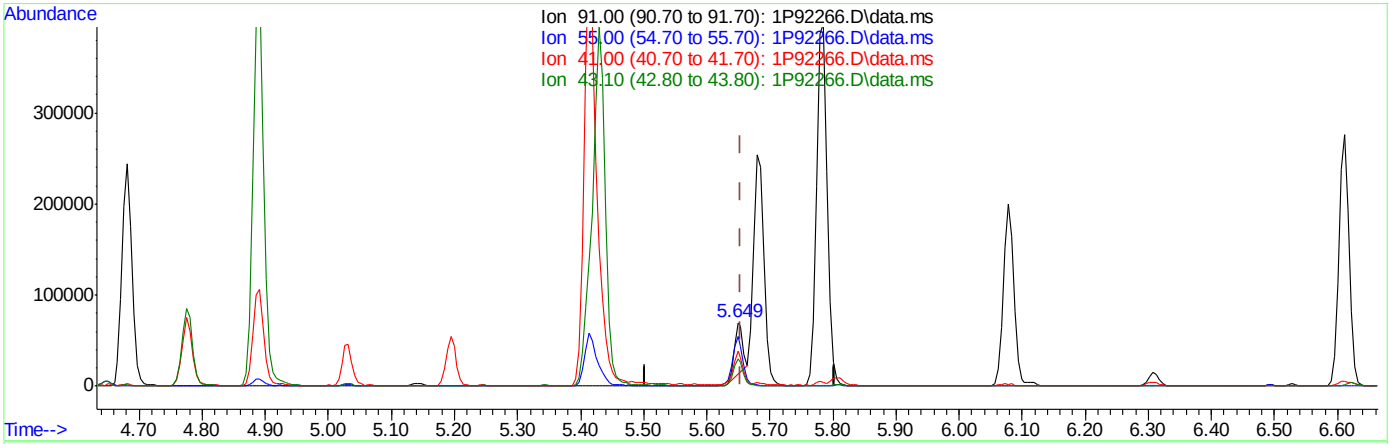
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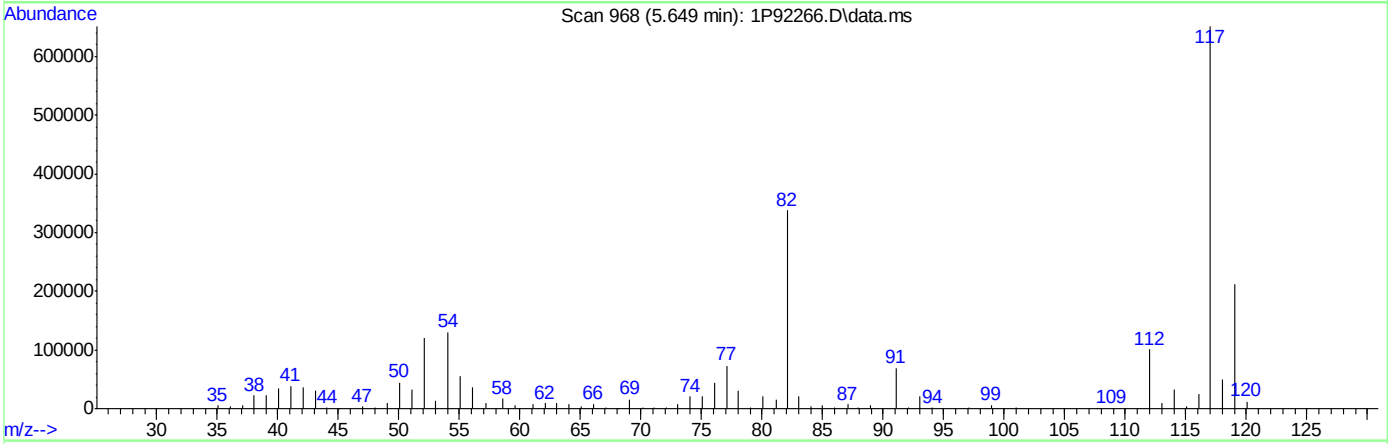
Ion	Exp%	Act%
43.00	100	100
42.10	56.90	54.36
41.10	70.50	68.33
39.00	27.60	29.78

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92266.D
Acq On : 24 Aug 2022 10:38 am
Operator : courtnef
Sample : IC3565-3
Misc : MS52202,V1P3565,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 24 11:06:26 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92266.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.005) 7.12ug/L

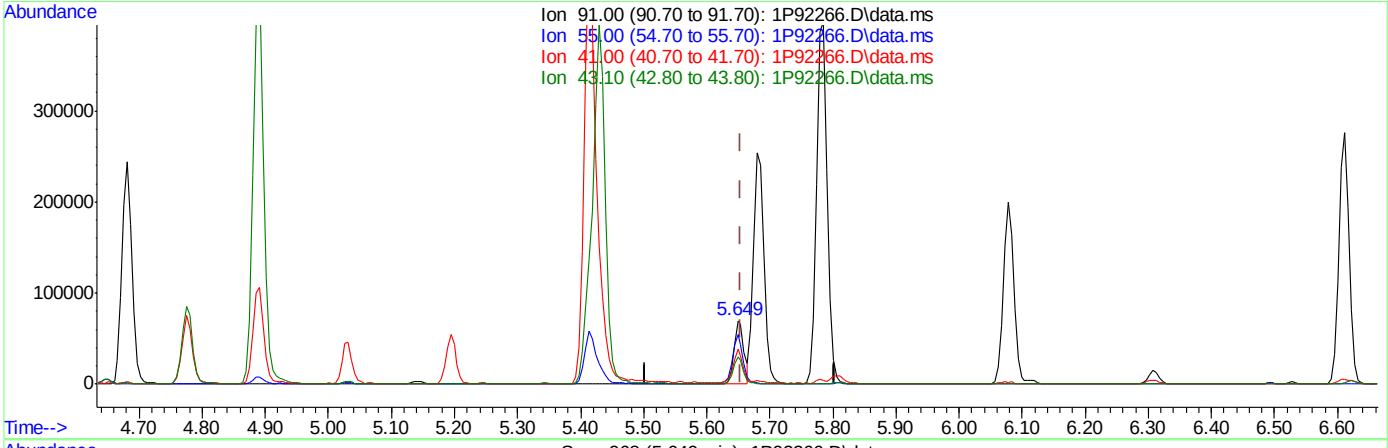
response 55648

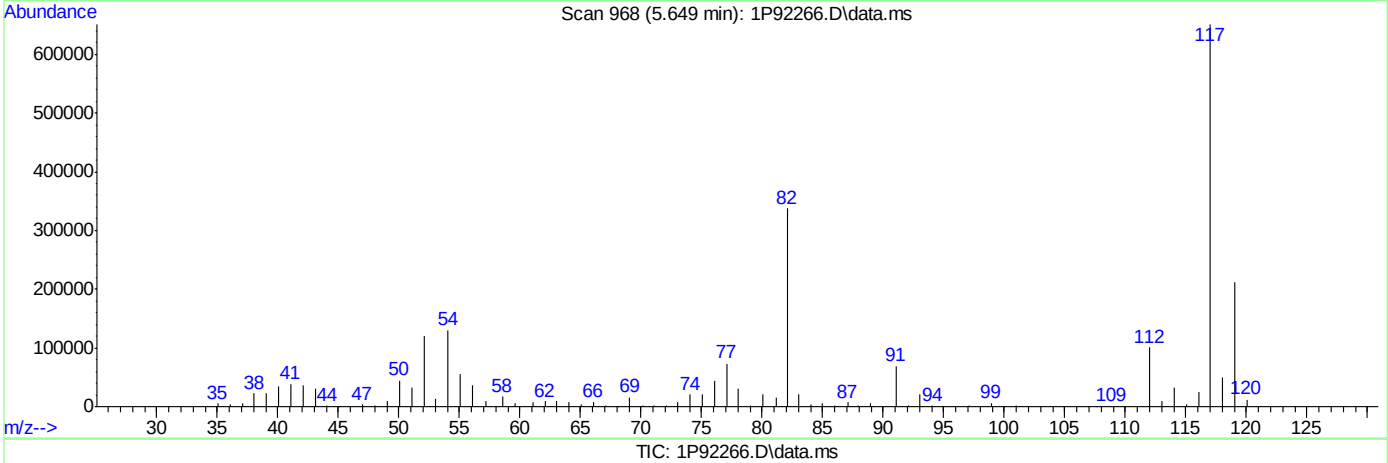
Ion	Exp%	Act%
91.00	100	100
55.00	67.30	71.45
41.00	46.80	50.27
43.10	40.60	40.78

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92266.D
Acq On : 24 Aug 2022 10:38 am
Operator : courtnef
Sample : IC3565-3
Misc : MS52202,V1P3565,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 24 11:06:26 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92266.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.005) 10.30ug/L m

response 80475

Ion	Exp%	Act%
91.00	100	100
55.00	67.30	78.26
41.00	46.80	55.24
43.10	40.60	42.62

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 10:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92268.D
Acq On : 24 Aug 2022 11:10 am
Operator : courtnef
Sample : IC3565-4
Misc : MS52202,V1P3565,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 24 11:22:27 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1523015	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	1041608	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	451223	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.260	113	326277	50.20	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.40%			
49) 1,2-Dichloroethane-d4	3.553	65	455841	49.53	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.06%			
63) Toluene-d8	4.651	98	1448824	49.75	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.50%			
86) 4-Bromofluorobenzene	6.496	174	352525	49.81	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.62%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.122	85	85861	22.28	ug/L	96
3) Chloromethane	1.247	50	108438	26.53	ug/L	96
4) 1,3-butadiene	1.310	39	112502	22.72	ug/L	96
5) Vinyl Chloride	1.299	62	138449	25.70	ug/L	98
6) Bromomethane	1.503	94	72523	34.54	ug/L	95
7) Chloroethane	1.576	64	45448	20.32	ug/L	97
8) Trichlorofluoromethane	1.671	101	162390	21.20	ug/L	96
9) Ethyl Ether	1.874	59	148759	25.35	ug/L	97
10) Ethanol	1.953	45	71258	633.83	ug/L	98
11) 1,2-Dichlorotrifluoroe...	1.974	67	133275	25.22	ug/L	92
12) 1,1-Dichloroethene	1.974	61	196246	26.48	ug/L	99
13) Freon 113	2.010	101	116171	25.19	ug/L	97
14) Carbon Disulfide	1.995	76	319030	28.98	ug/L	100
15) Iodomethane	2.052	142	61176	27.55	ug/L	99
16) Acrolein	2.152	56	237068	146.18	ug/L	98
17) Allyl chloride	2.240	41	144884	28.40	ug/L	97
18) Methylene Chloride	2.298	49	177072	24.90	ug/L	99
19) Acetone	2.314	43	428642	143.56	ug/L	99
20) Methyl acetate	2.392	43	970480	144.63	ug/L	100
21) trans-1,2-Dichloroethene	2.397	61	206065	26.48	ug/L	99
22) Hexane	2.465	56	95951	23.59	ug/L	98
23) Methyl Tert Butyl Ether	2.465	73	463121	26.56	ug/L	95
24) Tert Butyl Alcohol	2.502	59	517036	328.30	ug/L	98
25) Acetonitrile	2.549	41	269325	287.85	ug/L	99
26) Di-isopropyl ether	2.685	45	427532	26.10	ug/L	100
27) Chloroprene	2.727	53	549197	28.46	ug/L	99
28) 1,1-Dichloroethane	2.727	63	266607	26.60	ug/L	99
29) Acrylonitrile	2.727	52	430358	144.58	ug/L	99
30) ETBE	2.878	59	506763	26.51	ug/L	98
31) Vinyl acetate	2.857	43	1661293	130.60	ug/L	99
32) cis-1,2-Dichloroethene	3.019	96	157758	26.71	ug/L	95
33) 2,2-Dichloropropane	3.082	77	205805	28.40	ug/L	99
34) Bromochloromethane	3.124	128	70508	28.26	ug/L	97
35) Cyclohexane	3.161	56	229544	24.07	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92268.D
Acq On : 24 Aug 2022 11:10 am
Operator : courtnef
Sample : IC3565-4
Misc : MS52202,V1P3565,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 24 11:22:27 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	3.166	83	267465	26.25	ug/L	99
37) Ethyl acetate	3.223	43	1230664	136.05	ug/L	100
38) Tetrahydrofuran	3.255	42	97584	30.03	ug/L	99
40) Carbon Tetrachloride	3.265	117	160271m	26.44	ug/L	
41) 1,1,1-Trichloroethane	3.291	97	224404	26.75	ug/L	97
42) 2-Butanone	3.312	43	733348	132.40	ug/L	100
43) 1,1-Dichloropropene	3.364	75	197814	26.04	ug/L	99
44) tert-Butyl formate	3.406	59	540913	138.39	ug/L	97
45) Propionitrile	3.459	54	472143	313.77	ug/L	99
46) Methacrylonitrile	3.485	41	1379005	288.14	ug/L	100
47) Benzene	3.495	78	621898	25.59	ug/L	97
48) TAME	3.568	73	459726	26.83	ug/L	98
50) Isobutyl alcohol	3.584	43	503545m	623.13	ug/L	
51) 1,2-Dichloroethane	3.589	62	222698	25.57	ug/L	99
52) Tert Amyl Alcohol	3.647	59	427526	333.46	ug/L	95
53) Trichloroethene	3.825	95	157747	26.08	ug/L	98
54) Methylcyclohexane	3.845	83	202607	23.41	ug/L	99
55) Dibromomethane	4.049	93	88151	25.83	ug/L	99
56) 1,2-Dichloropropane	4.107	63	155763	26.74	ug/L	98
57) Bromodichloromethane	4.143	83	166682	27.36	ug/L	98
58) Methyl methacrylate	4.232	41	173128	29.17	ug/L	97
59) 1,4-Dioxane	4.258	88	81280	633.56	ug/L	94
60) 2-Chloroethyl vinyl ether	4.478	63	636559	134.24	ug/L	99
61) cis-1,3-Dichloropropene	4.520	75	215084	28.46	ug/L	98
64) Toluene	4.682	91	673201	25.97	ug/L	98
65) 2-Nitropropane	4.776	41	261311	155.95	ug/L	99
66) 4-Methyl-2-pentanone	4.891	43	1238916	136.71	ug/L	99
67) trans-1,3-Dichloropropene	4.917	75	195727	29.37	ug/L	96
68) Tetrachloroethene	4.938	166	143916	25.22	ug/L	99
69) Ethyl methacrylate	5.027	69	243307	28.06	ug/L	93
70) 1,1,2-Trichloroethane	5.016	83	114634	25.95	ug/L	94
71) Dibromochloromethane	5.142	129	119094	27.88	ug/L	97
72) 1,3-Dichloropropane	5.194	76	256065	26.52	ug/L	97
73) 1,2-Dibromoethane	5.294	107	142200	27.40	ug/L	95
74) 3,3-dimethyl-1-butanol	5.419	57	2475568	1548.01	ug/L	100
75) 2-hexanone	5.430	43	1360290	145.79	ug/L	88
76) 1-Chlorohexane	5.649	91	202464m	24.98	ug/L	
77) Ethylbenzene	5.680	91	724662	26.15	ug/L	97
78) Chlorobenzene	5.654	112	395727	25.93	ug/L	99
79) 1,1,1,2-Tetrachloroethane	5.696	131	124981	27.10	ug/L	94
80) m,p-Xylene	5.785	91	1146915	52.88	ug/L	100
81) o-Xylene	6.078	91	562366	26.31	ug/L	99
82) Styrene	6.109	104	443759	27.64	ug/L	99
83) Bromoform	6.120	173	59565	28.03	ug/L	94
84) Isopropylbenzene	6.308	105	648945	26.68	ug/L	99
87) cis-1,4-Dichloro-2-butene	6.527	53	70587	30.81	ug/L	94
88) n-Propylbenzene	6.611	91	759216	26.52	ug/L	100
89) Bromobenzene	6.569	156	156172	26.70	ug/L	89
90) 1,1,2,2-Tetrachloroethane	6.632	83	209645	27.89	ug/L	97
91) 1,3,5-Trimethylbenzene	6.757	105	531589	26.87	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92268.D
Acq On : 24 Aug 2022 11:10 am
Operator : courtnef
Sample : IC3565-4
Misc : MS52202,V1P3565,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 24 11:22:27 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

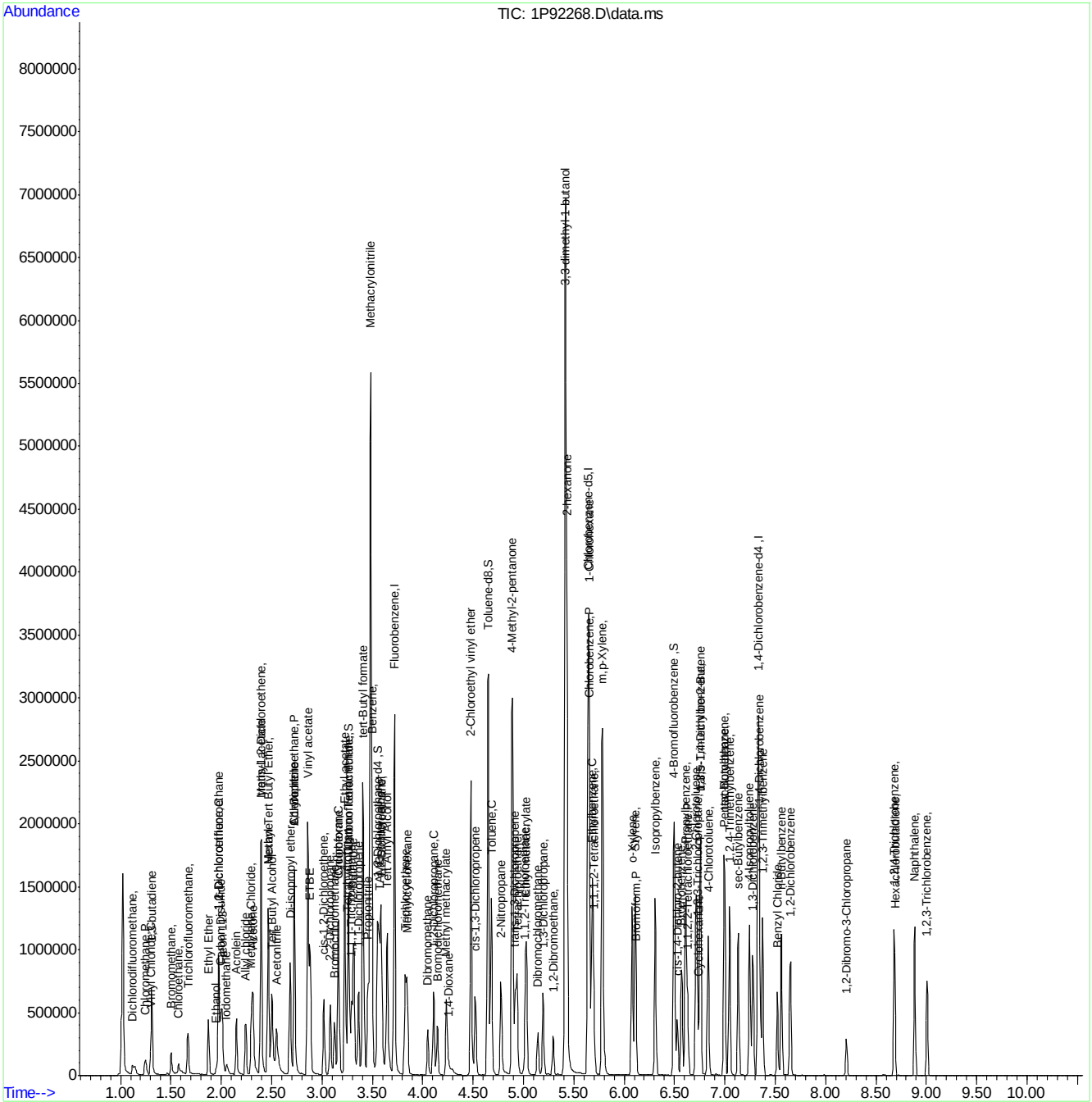
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 2-Chlorotoluene	6.716	91	463460	26.82	ug/L	99
93) trans-1,4-Dichloro-2-B...	6.757	53	84703	30.97	ug/L	99
94) 1,2,3-Trichloropropane	6.726	110	76735	28.01	ug/L	98
95) Cyclohexanone	6.742	55	71519	151.09	ug/L	97
96) 4-Chlorotoluene	6.836	91	478967	26.71	ug/L	99
97) tert-Butylbenzene	6.993	91	289932	26.48	ug/L	99
99) 1,2,4-Trimethylbenzene	7.045	105	519057	27.21	ug/L	98
100) Pentachloroethane	6.998	167	68079	30.02	ug/L	95
101) sec-Butylbenzene	7.134	105	563805	26.35	ug/L	100
102) 4-Isopropyltoluene	7.244	119	501700	27.03	ug/L	96
103) 1,3-Dichlorobenzene	7.275	146	275053	26.65	ug/L	96
104) 1,2,3-Trimethylbenzene	7.374	105	509104	26.28	ug/L	99
105) 1,4-Dichlorobenzene	7.343	146	283546	26.04	ug/L	96
106) n-Butylbenzene	7.563	92	245309	26.97	ug/L	98
107) Benzyl Chloride	7.521	126	58922	31.30	ug/L	96
108) 1,2-Dichlorobenzene	7.651	146	256090	26.25	ug/L	98
109) 1,2-Dibromo-3-Chloropr...	8.206	75	45077	31.00	ug/L	97
110) Hexachlorobutadiene	8.687	225	50259	26.58	ug/L	94
111) 1,2,4-Trichlorobenzene	8.681	180	140839	26.39	ug/L	97
112) Naphthalene	8.885	128	571105	28.63	ug/L	98
113) 1,2,3-Trichlorobenzene	9.005	180	135623	26.78	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92268.D
Acq On : 24 Aug 2022 11:10 am
Operator : courtnef
Sample : IC3565-4
Misc : MS52202,V1P3565,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 24 11:22:27 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration



Manual Integration Approval Summary

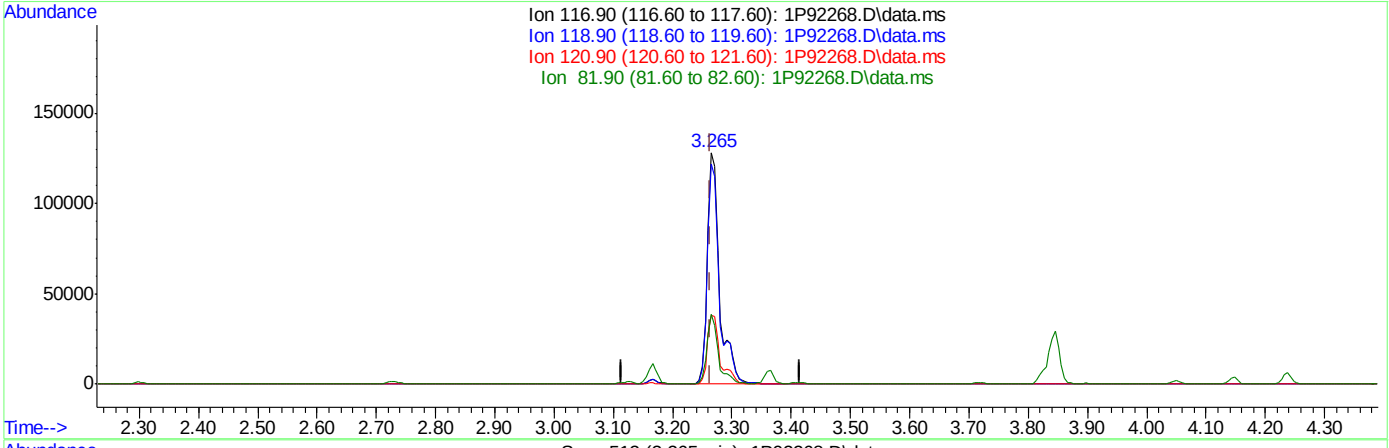
Sample Number: V1P3565-IC3565
Lab FileID: 1P92268.D
Injection Time: 08/24/22 11:10
Method: SW846 8260D
Analyst approved: 08/24/22 11:23 Courtney Failla
Supervisor approved: 08/25/22 10:27 Karen Watson

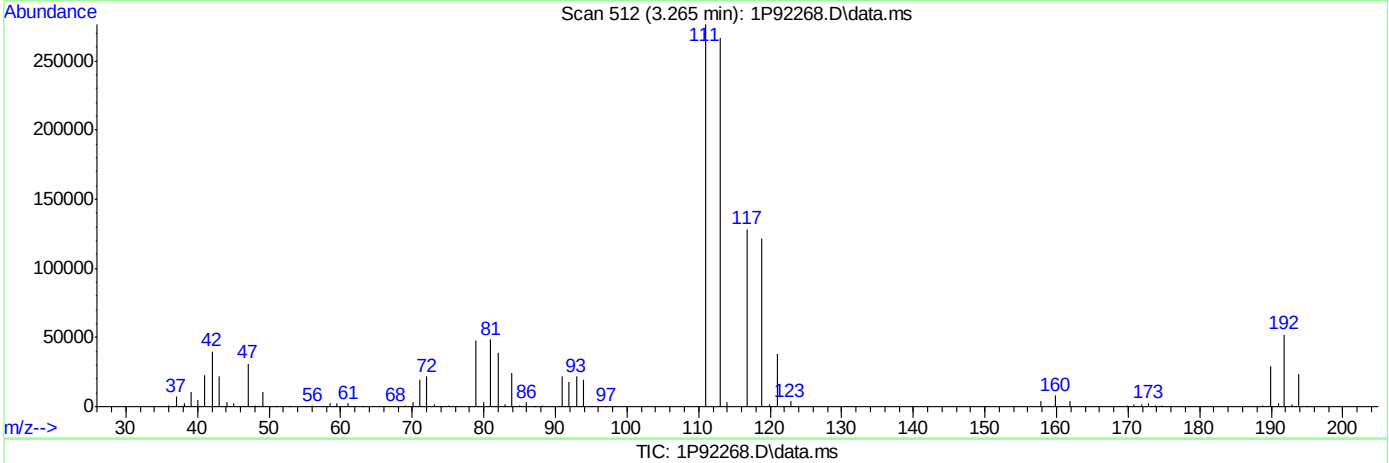
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92268.D
Acq On : 24 Aug 2022 11:10 am
Operator : courtnef
Sample : IC3565-4
Misc : MS52202,V1P3565,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 24 11:21:20 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92268.D\data.ms

(40) Carbon Tetrachloride ( )

3.265min (+0.000) 30.70ug/L

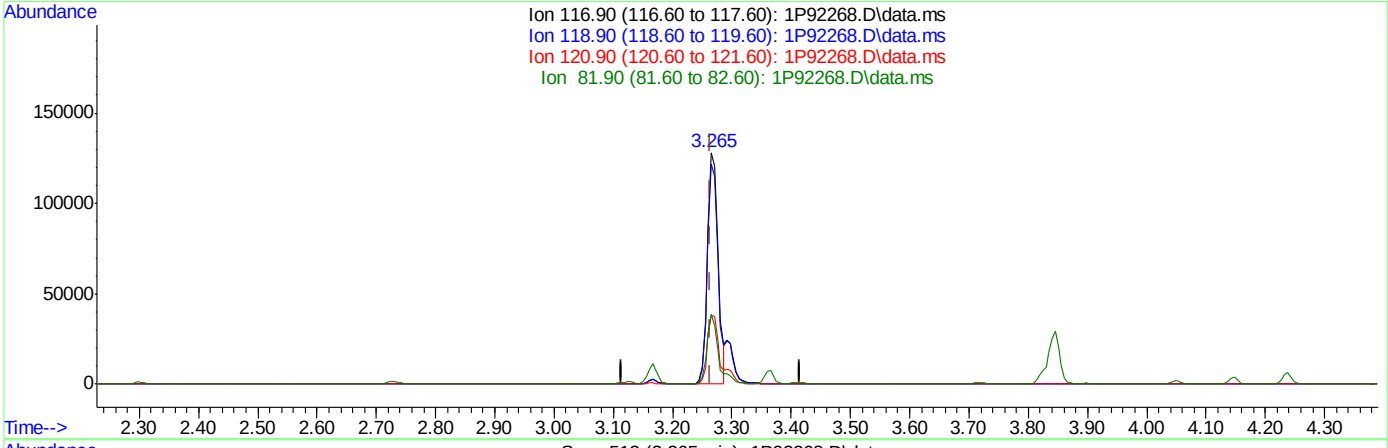
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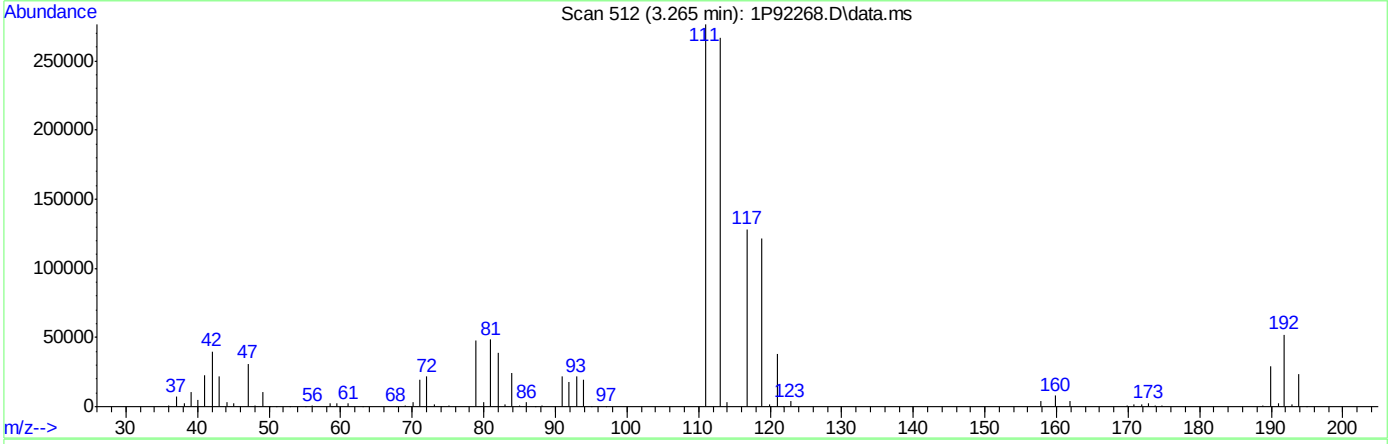
Ion	Exp%	Act%
116.90	100	100
118.90	94.50	95.01
120.90	30.70	29.84
81.90	28.60	30.18

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92268.D
Acq On : 24 Aug 2022 11:10 am
Operator : courtnef
Sample : IC3565-4
Misc : MS52202,V1P3565,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 24 11:21:20 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92268.D\data.ms

(40) Carbon Tetrachloride ( )

3.265min (+0.000) 26.44ug/L m

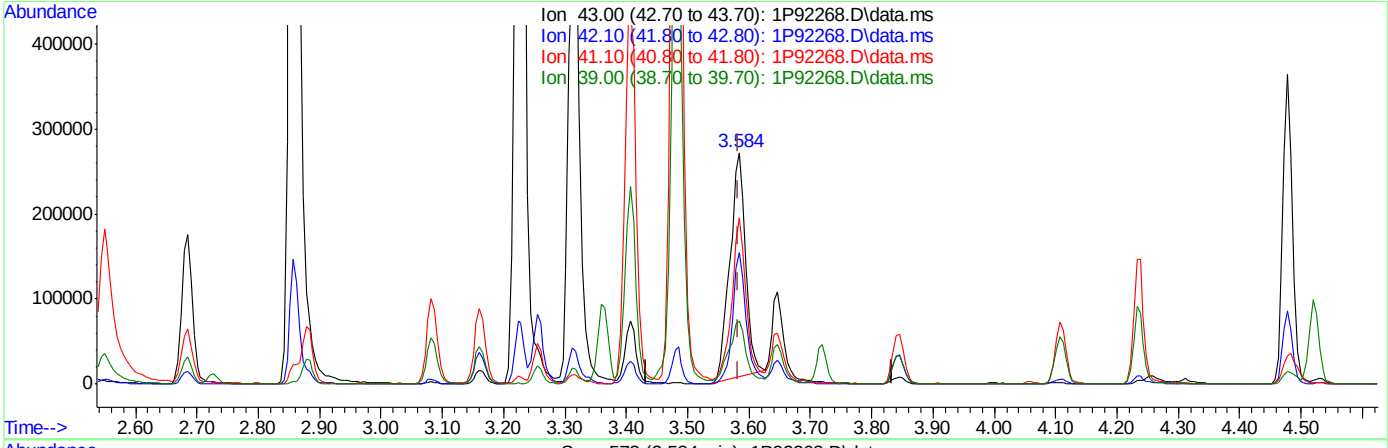
response 160271

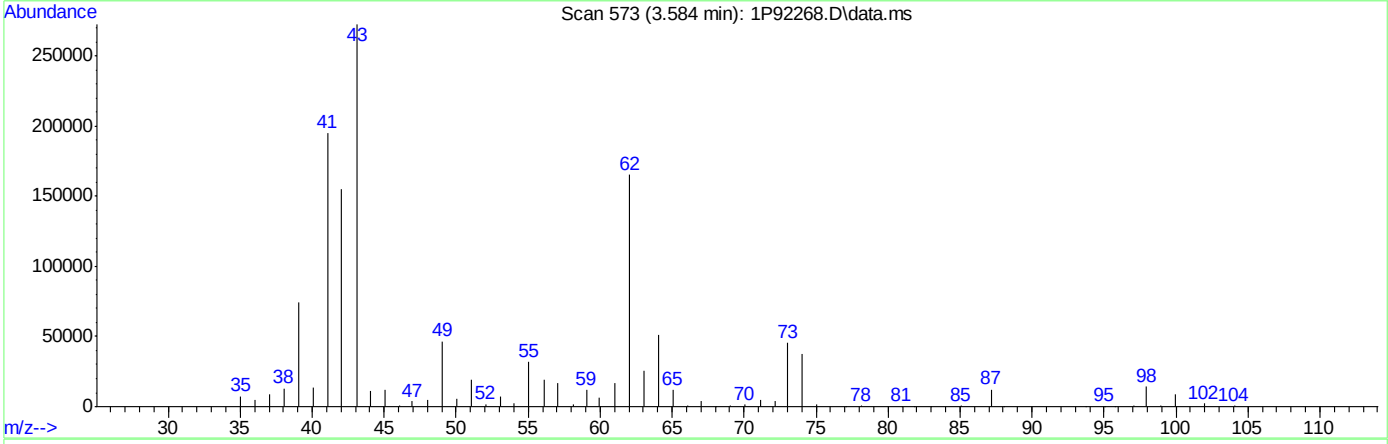
Ion	Exp%	Act%
116.90	100	100
118.90	94.50	95.01
120.90	30.70	29.84
81.90	28.60	30.40

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92268.D
Acq On : 24 Aug 2022 11:10 am
Operator : courtnef
Sample : IC3565-4
Misc : MS52202,V1P3565,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 24 11:21:20 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92268.D\data.ms

(50) Isobutyl alcohol

3.584min (+0.000) 574.78ug/L

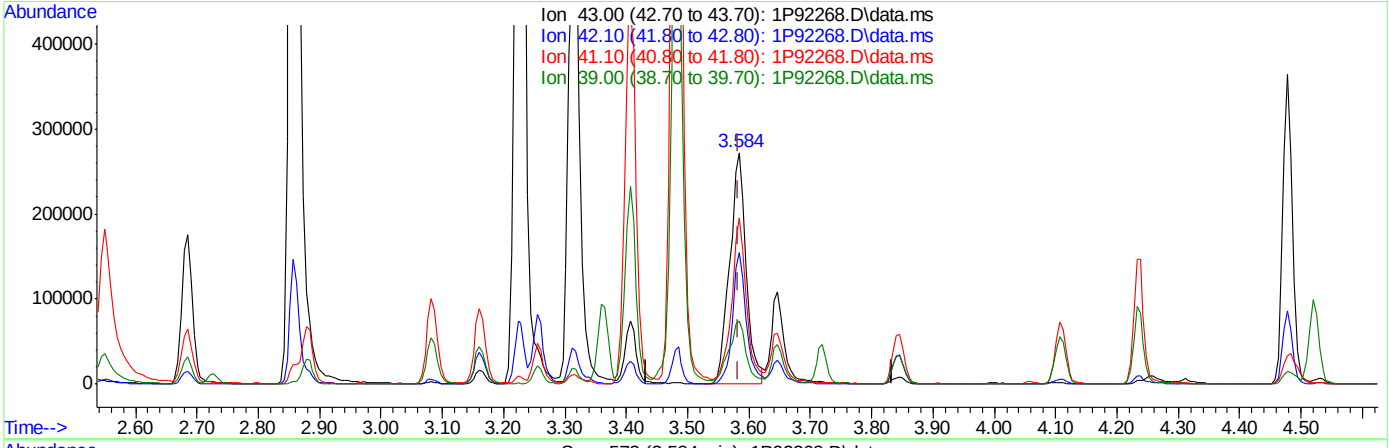
response 464474

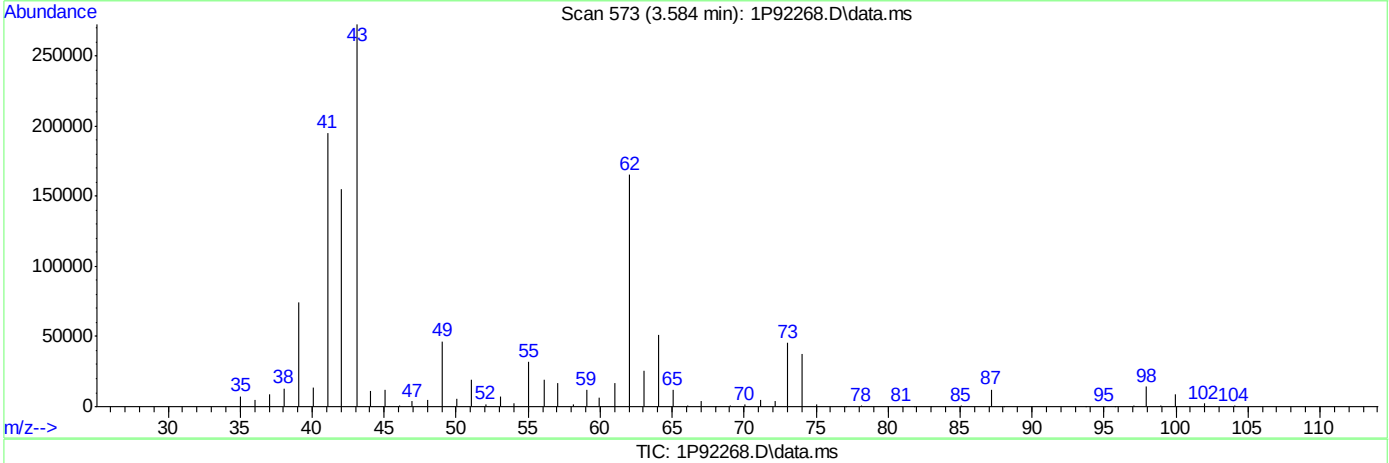
Ion	Exp%	Act%
43.00	100	100
42.10	56.90	56.77
41.10	70.50	69.32
39.00	27.60	25.60

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92268.D
Acq On : 24 Aug 2022 11:10 am
Operator : courtnef
Sample : IC3565-4
Misc : MS52202,V1P3565,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 24 11:21:20 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92268.D\data.ms

(50) Isobutyl alcohol

3.584min (+0.000) 623.13ug/L m

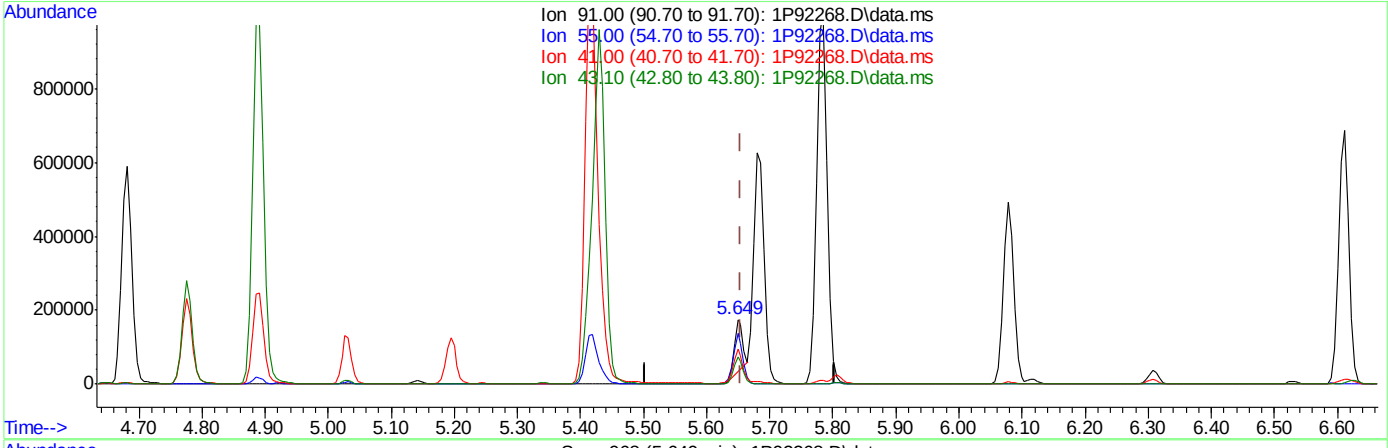
response 503545

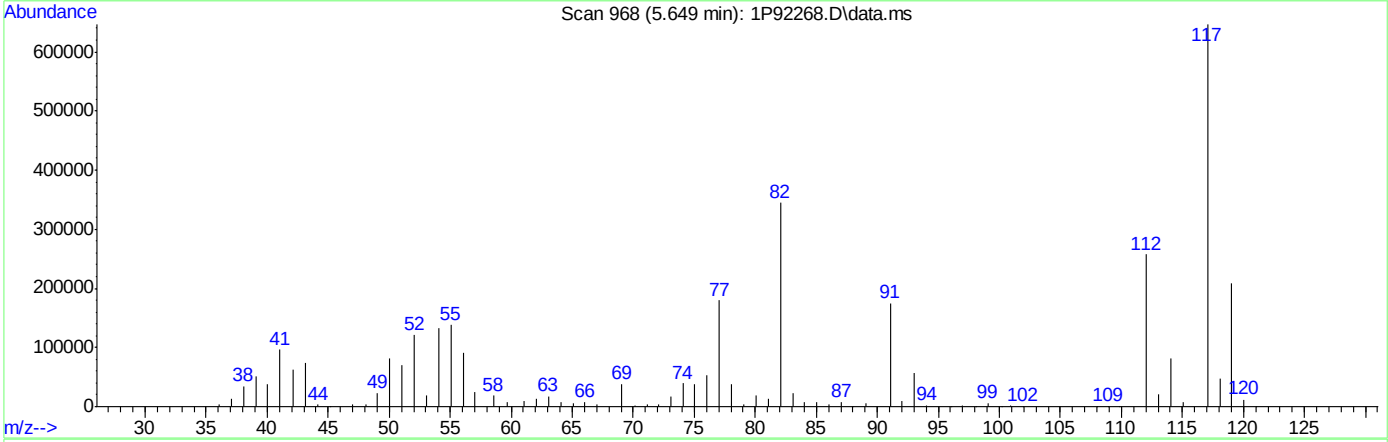
Ion	Exp%	Act%
43.00	100	100
42.10	56.90	56.86
41.10	70.50	71.59
39.00	27.60	27.26

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92268.D
Acq On : 24 Aug 2022 11:10 am
Operator : courtnef
Sample : IC3565-4
Misc : MS52202,V1P3565,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 24 11:21:20 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92268.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.005) 17.16ug/L

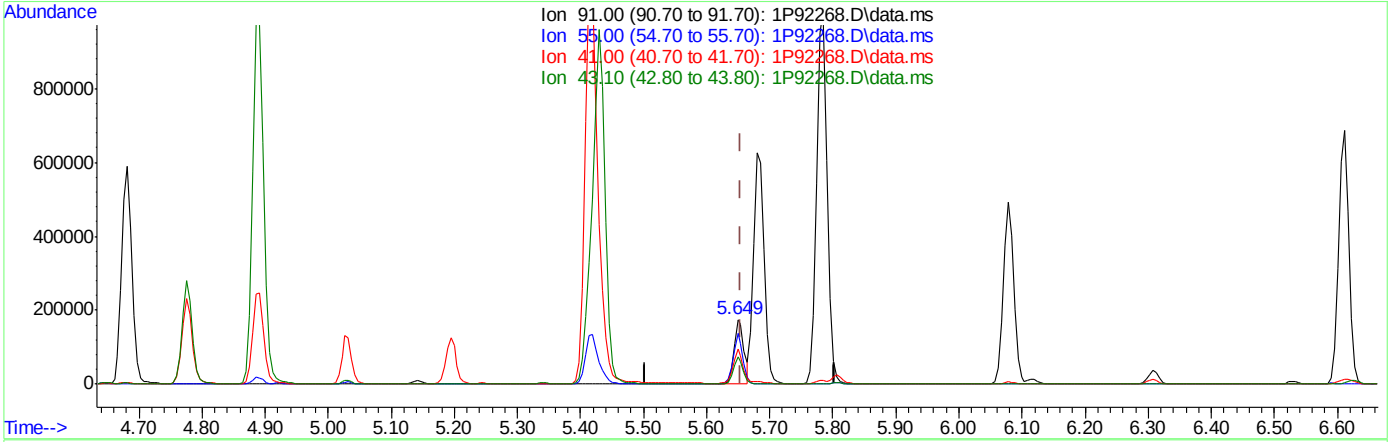
response 139138

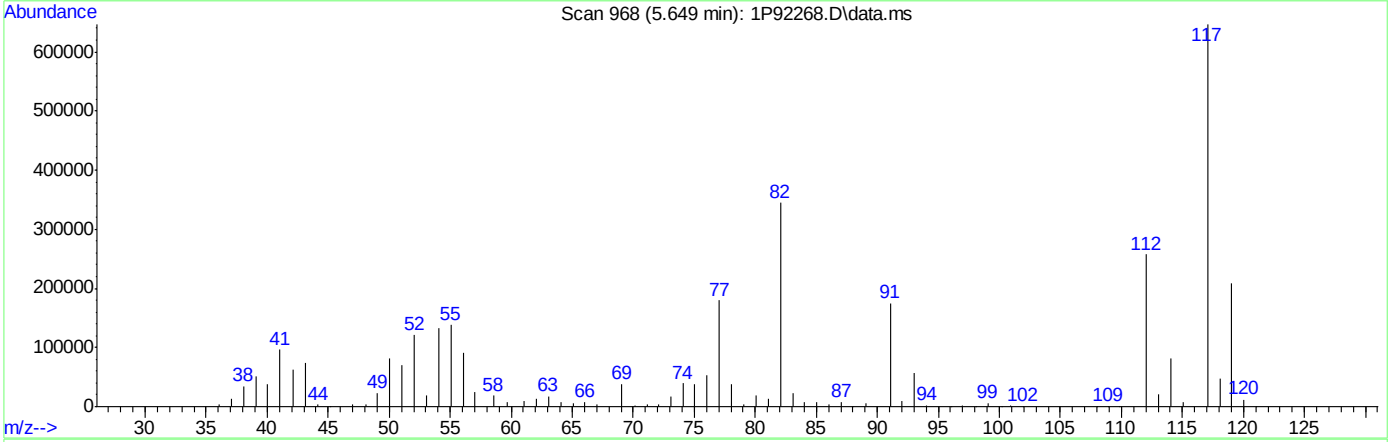
Ion	Exp%	Act%
91.00	100	100
55.00	67.30	74.76
41.00	46.80	52.33
43.10	40.60	41.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92268.D
Acq On : 24 Aug 2022 11:10 am
Operator : courtnef
Sample : IC3565-4
Misc : MS52202,V1P3565,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 24 11:21:20 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92268.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.005) 24.98ug/L m

response 202464

Ion	Exp%	Act%
91.00	100	100
55.00	67.30	78.64
41.00	46.80	55.07
43.10	40.60	42.74

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 10:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92270.D
Acq On : 24 Aug 2022 11:42 am
Operator : courtnef
Sample : ICC3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 24 11:56:08 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.716	96	1544001	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.646	117	1049603	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.334	152	459514	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.262	113	331377	50.29	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.58%			
49) 1,2-Dichloroethane-d4	3.549	65	467346	50.09	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.18%			
63) Toluene-d8	4.647	98	1480516	50.45	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.90%			
86) 4-Bromofluorobenzene	6.498	174	362242	50.26	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.52%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.118	85	161691	41.39	ug/L	99
3) Chloromethane	1.249	50	175628	42.38	ug/L	98
4) 1,3-butadiene	1.312	39	194722	40.76	ug/L	92
5) Vinyl Chloride	1.296	62	233667	42.78	ug/L	98
6) Bromomethane	1.500	94	109863	51.61	ug/L	98
7) Chloroethane	1.573	64	65203	30.18	ug/L	98
8) Trichlorofluoromethane	1.667	101	266104	41.29	ug/L	99
9) Ethyl Ether	1.871	59	246031	41.35	ug/L	98
10) Ethanol	1.960	45	113018	1019.82	ug/L	96
11) 1,2-Dichlorotrifluoroe...	1.970	67	228630	42.68	ug/L	97
12) 1,1-Dichloroethene	1.976	61	333497	44.39	ug/L	95
13) Freon 113	2.007	101	209823	44.88	ug/L	98
14) Carbon Disulfide	1.991	76	547759	49.08	ug/L	99
15) Iodomethane	2.054	142	110789	46.94	ug/L	95
16) Acrolein	2.148	56	382651	227.88	ug/L	100
17) Allyl chloride	2.242	41	251716	48.67	ug/L	97
18) Methylene Chloride	2.294	49	276705	39.88	ug/L	96
19) Acetone	2.315	43	679503	224.48	ug/L	99
20) Methyl acetate	2.394	43	1539267	222.80	ug/L	99
21) trans-1,2-Dichloroethene	2.399	61	337934	42.84	ug/L	95
22) Hexane	2.462	56	177538	43.05	ug/L	96
23) Methyl Tert Butyl Ether	2.467	73	753459	42.62	ug/L	92
24) Tert Butyl Alcohol	2.509	59	817317	511.92	ug/L	97
25) Acetonitrile	2.551	41	408800	430.97	ug/L	98
26) Di-isopropyl ether	2.681	45	697802	42.03	ug/L	99
27) Chloroprene	2.723	53	903836	45.65	ug/L	98
28) 1,1-Dichloroethane	2.728	63	436107	42.92	ug/L	98
29) Acrylonitrile	2.728	52	700852	229.34	ug/L	96
30) ETBE	2.880	59	830875	42.87	ug/L	98
31) Vinyl acetate	2.859	43	2810450	216.05	ug/L	100
32) cis-1,2-Dichloroethene	3.021	96	254062	42.43	ug/L	95
33) 2,2-Dichloropropane	3.084	77	348424	47.43	ug/L	99
34) Bromochloromethane	3.126	128	110567	43.72	ug/L	97
35) Cyclohexane	3.162	56	414421	42.86	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92270.D
Acq On : 24 Aug 2022 11:42 am
Operator : courtnef
Sample : ICC3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 24 11:56:08 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	3.162	83	440501	42.65	ug/L	99
37) Ethyl acetate	3.225	43	2020338	218.73	ug/L	99
38) Tetrahydrofuran	3.256	42	149784	45.47	ug/L	99
40) Carbon Tetrachloride	3.267	117	273610m	44.53	ug/L	
41) 1,1,1-Trichloroethane	3.293	97	383811	45.13	ug/L	99
42) 2-Butanone	3.314	43	1175134	209.28	ug/L	99
43) 1,1-Dichloropropene	3.361	75	328597	42.67	ug/L	99
44) tert-Butyl formate	3.408	59	947573	239.15	ug/L	97
45) Propionitrile	3.460	54	762861	500.08	ug/L	99
46) Methacrylonitrile	3.481	41	2302116	474.49	ug/L	98
47) Benzene	3.492	78	1025128	41.60	ug/L	84
48) TAME	3.565	73	753918	43.40	ug/L	97
50) Isobutyl alcohol	3.586	43	830252m	1013.46	ug/L	
51) 1,2-Dichloroethane	3.586	62	363906	41.22	ug/L	99
52) Tert Amyl Alcohol	3.648	59	692124	532.50	ug/L	99
53) Trichloroethene	3.826	95	258629	42.18	ug/L	96
54) Methylcyclohexane	3.842	83	379986	43.30	ug/L	97
55) Dibromomethane	4.051	93	144450	41.76	ug/L	95
56) 1,2-Dichloropropane	4.109	63	251288	42.56	ug/L	98
57) Bromodichloromethane	4.145	83	280207	45.37	ug/L	99
58) Methyl methacrylate	4.234	41	289295	48.08	ug/L	96
59) 1,4-Dioxane	4.260	88	128423	987.42	ug/L	95
60) 2-Chloroethyl vinyl ether	4.480	63	1049938	218.41	ug/L	99
61) cis-1,3-Dichloropropene	4.522	75	360081	47.00	ug/L	98
64) Toluene	4.678	91	1089705	41.72	ug/L	98
65) 2-Nitropropane	4.778	41	469482	278.06	ug/L	100
66) 4-Methyl-2-pentanone	4.888	43	2024929	221.75	ug/L	99
67) trans-1,3-Dichloropropene	4.919	75	325206	48.43	ug/L	95
68) Tetrachloroethene	4.935	166	233396	40.59	ug/L	97
69) Ethyl methacrylate	5.029	69	413000	47.27	ug/L	96
70) 1,1,2-Trichloroethane	5.018	83	185181	41.60	ug/L	95
71) Dibromochloromethane	5.144	129	203457	47.26	ug/L	99
72) 1,3-Dichloropropane	5.196	76	410151	42.16	ug/L	98
73) 1,2-Dibromoethane	5.295	107	231911	44.34	ug/L	96
74) 3,3-dimethyl-1-butanol	5.421	57	4076015	2529.37	ug/L	99
75) 2-hexanone	5.431	43	2193970	233.35	ug/L	91
76) 1-Chlorohexane	5.651	91	361607m	44.27	ug/L	
77) Ethylbenzene	5.682	91	1152331	41.27	ug/L	99
78) Chlorobenzene	5.656	112	635513	41.33	ug/L	97
79) 1,1,1,2-Tetrachloroethane	5.698	131	206969	44.53	ug/L	97
80) m,p-Xylene	5.782	91	1868149	85.47	ug/L	99
81) o-Xylene	6.079	91	917290	42.59	ug/L	99
82) Styrene	6.111	104	718351	44.41	ug/L	98
83) Bromoform	6.116	173	105661	49.35	ug/L	96
84) Isopropylbenzene	6.310	105	1059410	43.22	ug/L	99
87) cis-1,4-Dichloro-2-butene	6.529	53	121491	52.08	ug/L	94
88) n-Propylbenzene	6.608	91	1252067	42.94	ug/L	97
89) Bromobenzene	6.571	156	246683	41.42	ug/L	94
90) 1,1,2,2-Tetrachloroethane	6.628	83	335135	43.77	ug/L	99
91) 1,3,5-Trimethylbenzene	6.759	105	875727	43.47	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92270.D
Acq On : 24 Aug 2022 11:42 am
Operator : courtnef
Sample : ICC3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 24 11:56:08 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

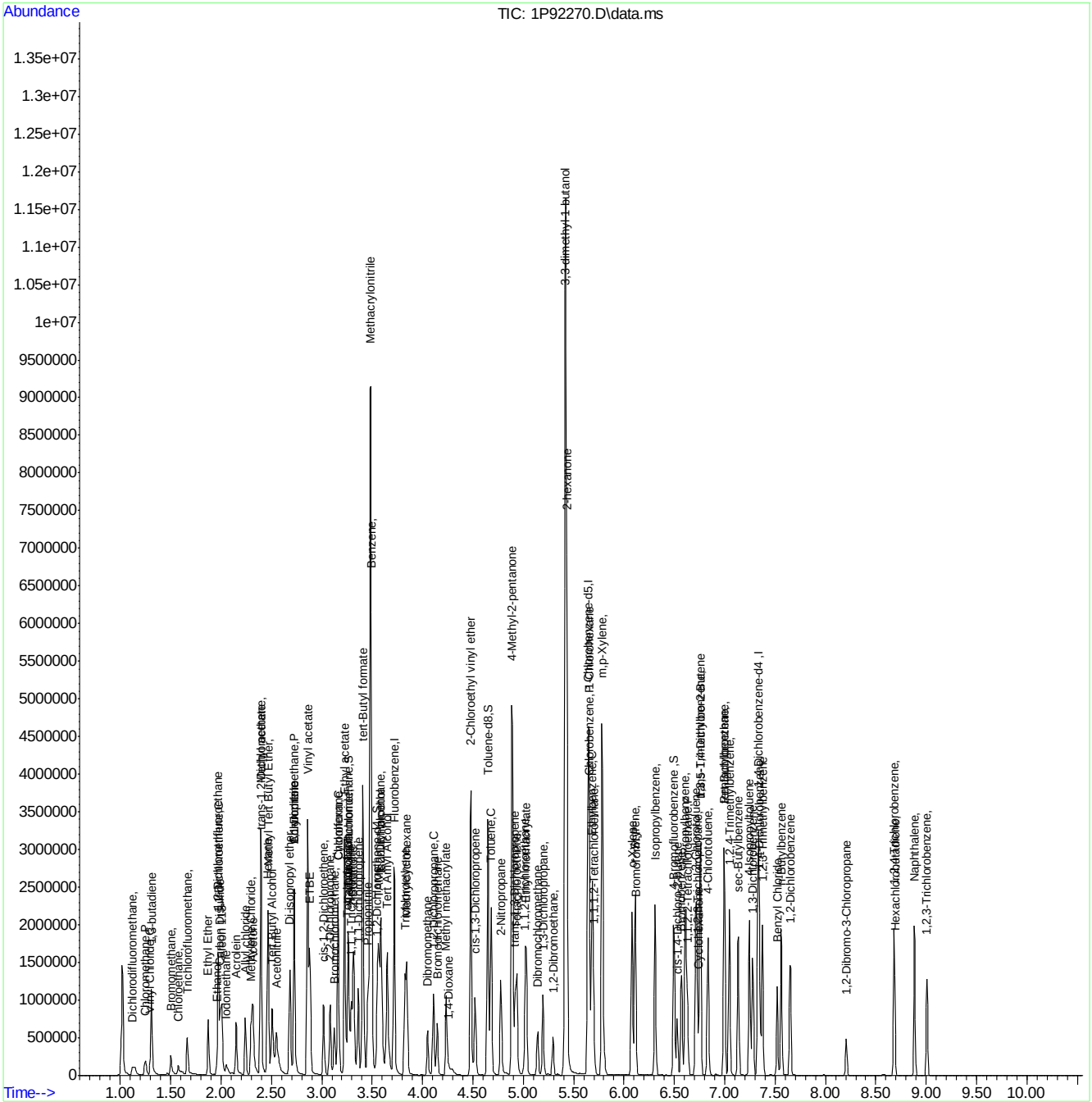
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.712	91	748863	42.56	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.759	53	143552	51.54	ug/L		96
94)	1,2,3-Trichloropropane	6.728	110	122083	43.76	ug/L		95
95)	Cyclohexanone	6.743	55	116956	242.62	ug/L		99
96)	4-Chlorotoluene	6.832	91	774938	42.44	ug/L		98
97)	tert-Butylbenzene	6.994	91	488865	43.85	ug/L		99
99)	1,2,4-Trimethylbenzene	7.047	105	847771	43.65	ug/L		100
100)	Pentachloroethane	6.994	167	117334	50.81	ug/L	#	89
101)	sec-Butylbenzene	7.136	105	944892	43.37	ug/L		100
102)	4-Isopropyltoluene	7.245	119	837485	44.30	ug/L		98
103)	1,3-Dichlorobenzene	7.277	146	443334	42.18	ug/L		96
104)	1,2,3-Trimethylbenzene	7.376	105	832959	42.22	ug/L		99
105)	1,4-Dichlorobenzene	7.345	146	457934	41.29	ug/L		95
106)	n-Butylbenzene	7.559	92	408365	44.08	ug/L		96
107)	Benzyl Chloride	7.522	126	108180	56.44	ug/L	#	92
108)	1,2-Dichlorobenzene	7.653	146	412060	41.47	ug/L		98
109)	1,2-Dibromo-3-Chloropr...	8.207	75	76921	51.95	ug/L		93
110)	Hexachlorobutadiene	8.688	225	83218	43.22	ug/L		88
111)	1,2,4-Trichlorobenzene	8.683	180	234024	43.06	ug/L		95
112)	Naphthalene	8.882	128	947500	46.64	ug/L		99
113)	1,2,3-Trichlorobenzene	9.007	180	223058	43.25	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92270.D
Acq On : 24 Aug 2022 11:42 am
Operator : courtnef
Sample : ICC3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 24 11:56:08 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration



Manual Integration Approval Summary

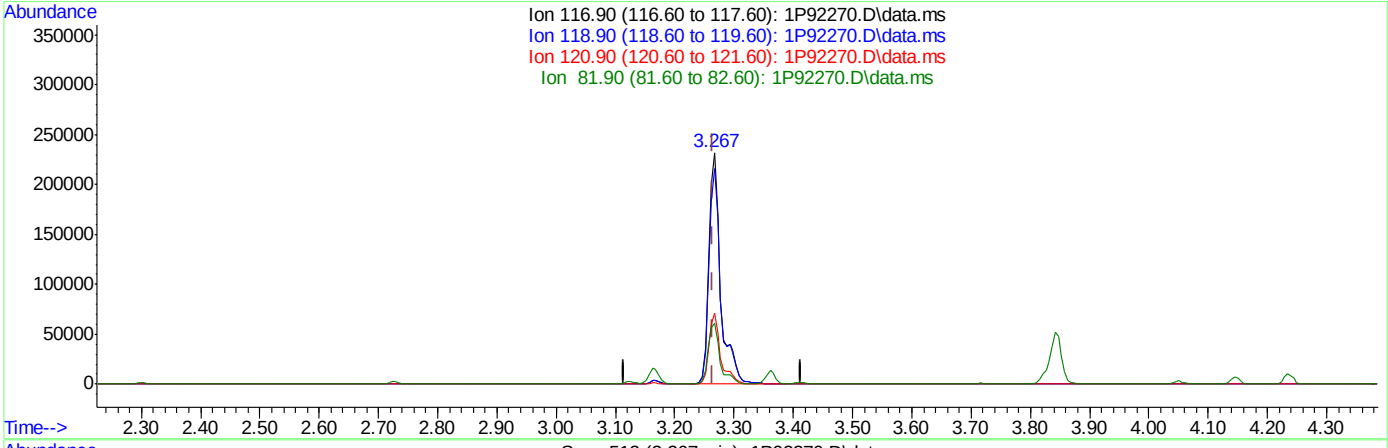
Sample Number: V1P3565-ICC3565 **Method:** SW846 8260D
Lab FileID: 1P92270.D **Analyst approved:** 08/24/22 11:58 Courtney Failla
Injection Time: 08/24/22 11:42 **Supervisor approved:** 08/25/22 10:27 Karen Watson

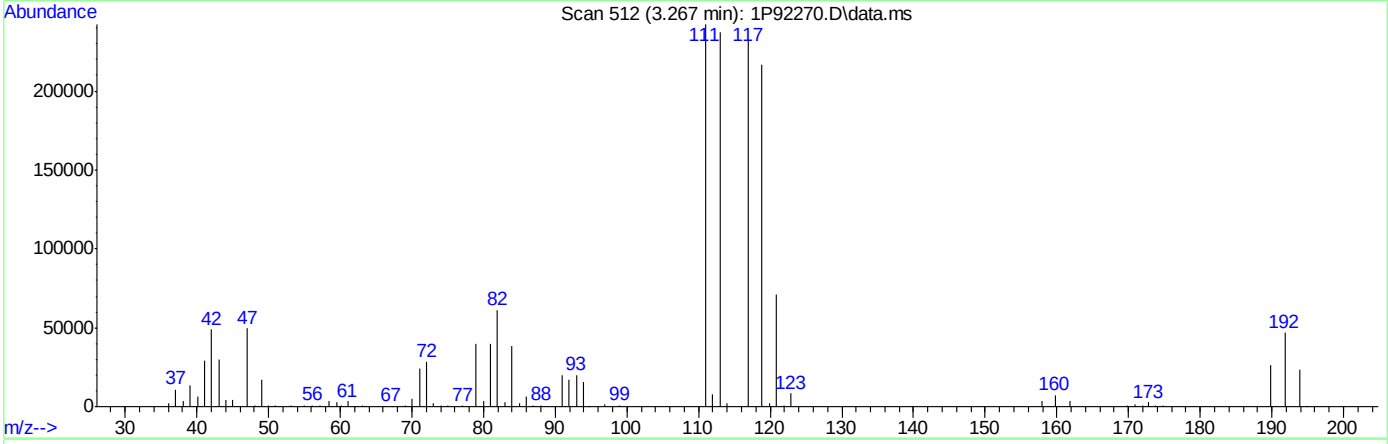
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92270.D
Acq On : 24 Aug 2022 11:42 am
Operator : courtnef
Sample : ICC3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 24 11:54:58 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92270.D\data.ms

(40) Carbon Tetrachloride ( )

3.267min (+0.002) 52.64ug/L

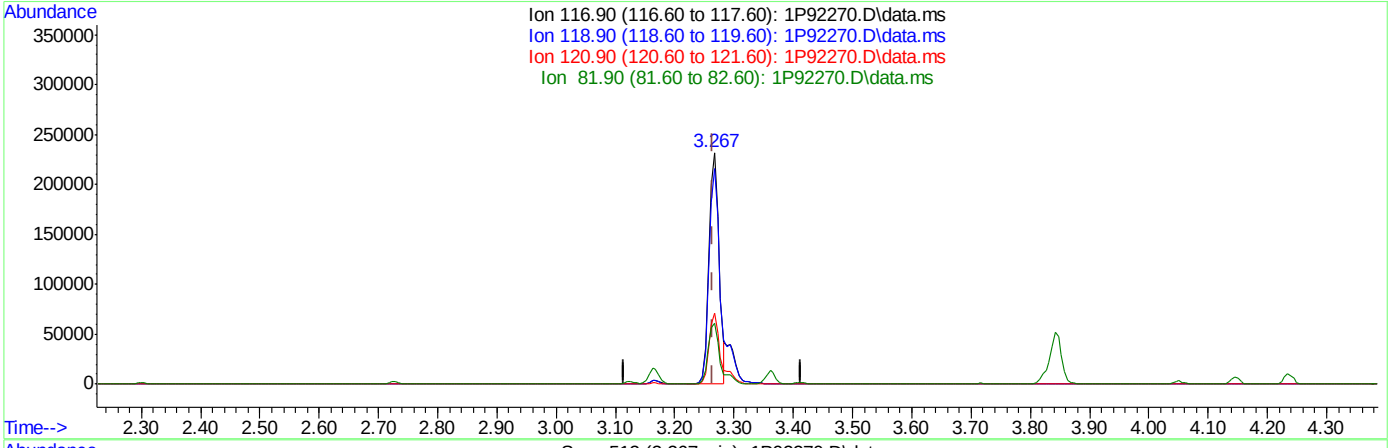
response 323398

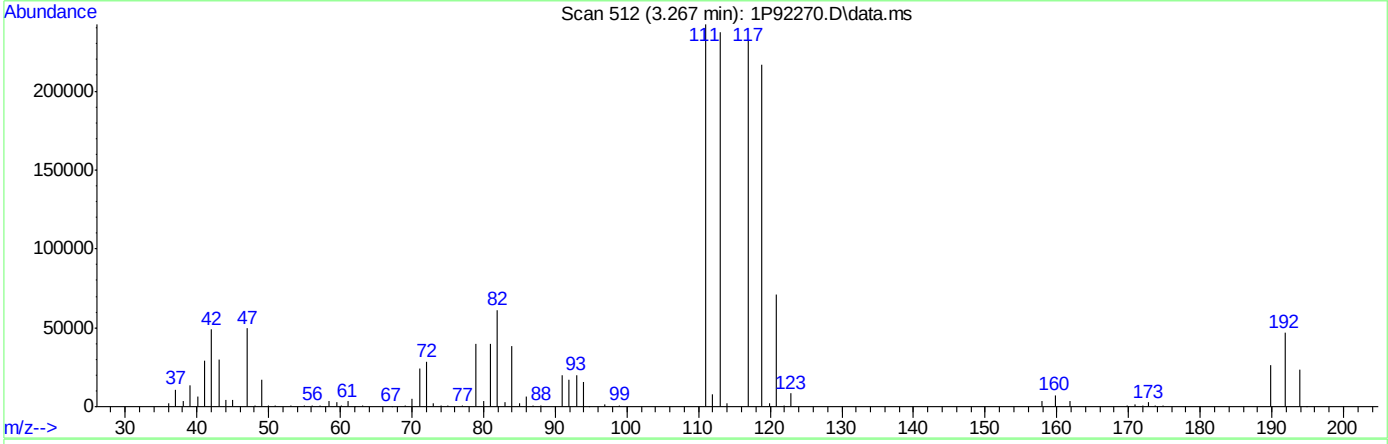
Ion	Exp%	Act%
116.90	100	100
118.90	94.50	93.27
120.90	30.70	30.68
81.90	28.60	26.32

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92270.D
Acq On : 24 Aug 2022 11:42 am
Operator : courtnef
Sample : ICC3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 24 11:54:58 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92270.D\data.ms

(40) Carbon Tetrachloride ( )

3.267min (+0.002) 44.53ug/L m

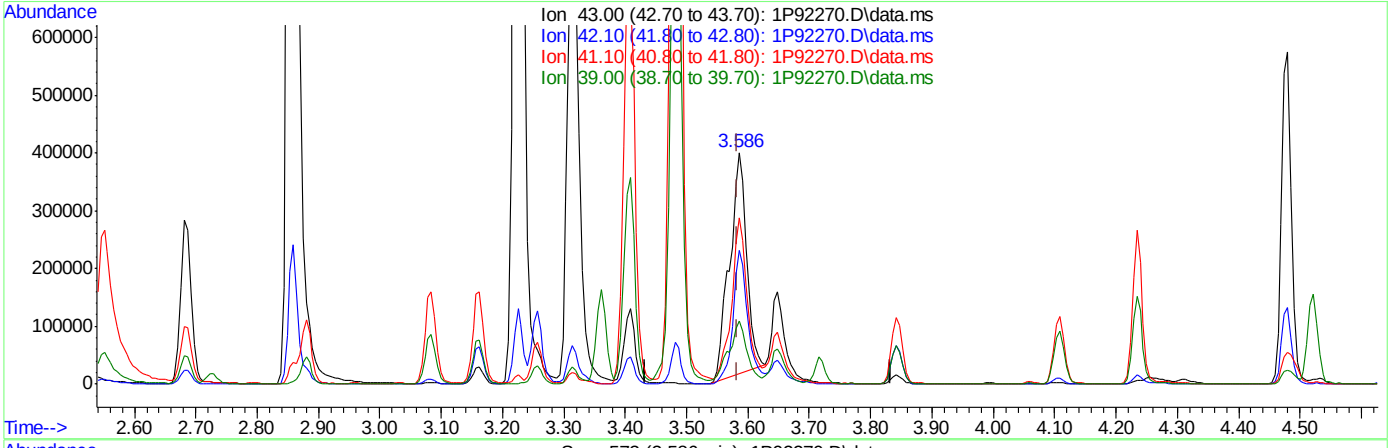
response 273610

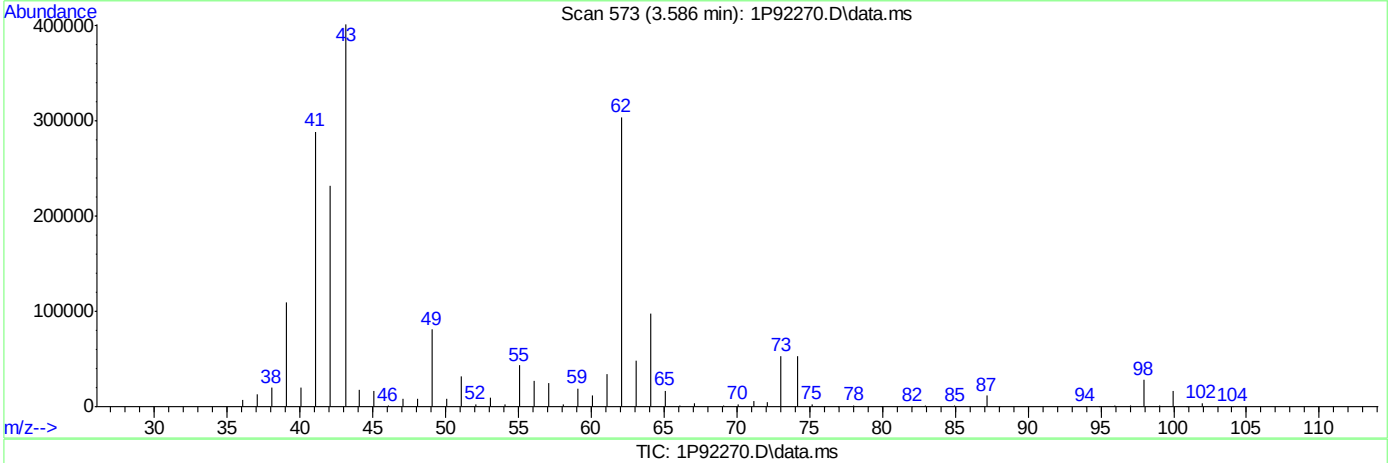
Ion	Exp%	Act%
116.90	100	100
118.90	94.50	93.27
120.90	30.70	30.68
81.90	28.60	26.47

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92270.D
Acq On : 24 Aug 2022 11:42 am
Operator : courtnef
Sample : ICC3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 24 11:54:58 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92270.D\data.ms

(50) Isobutyl alcohol

3.586min (+0.002) 902.49ug/L

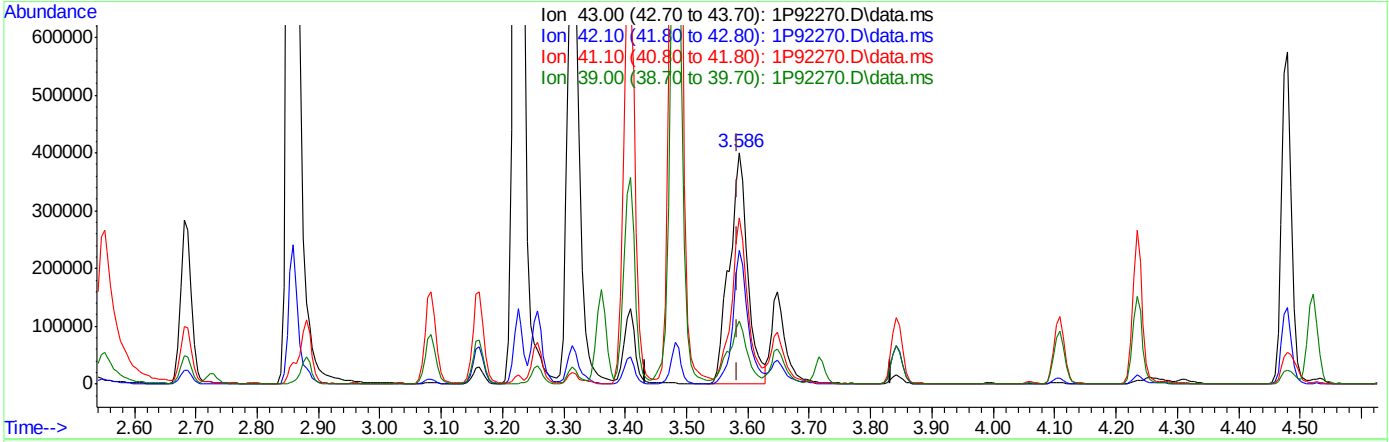
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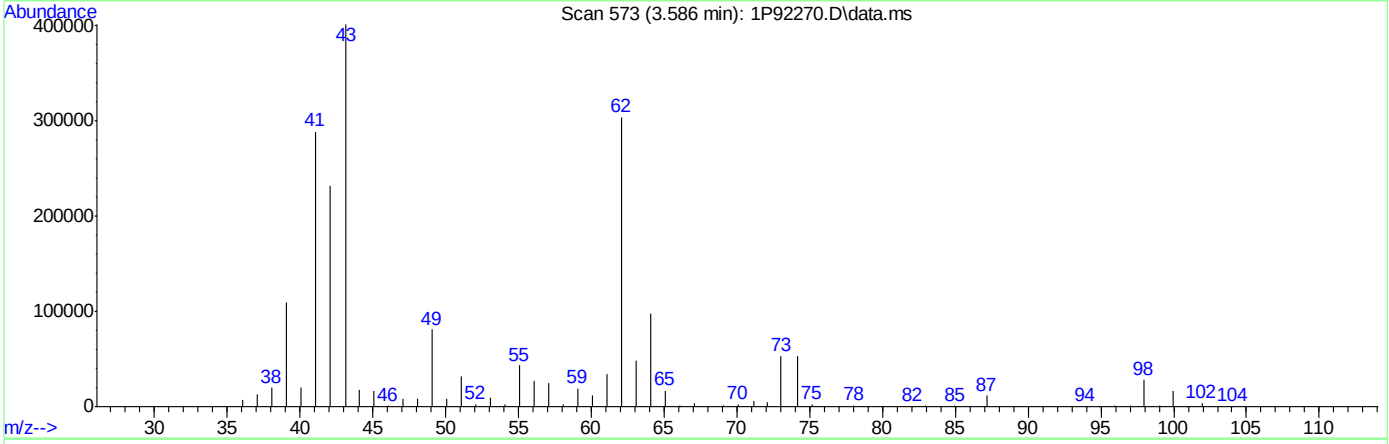
Ion	Exp%	Act%
43.00	100	100
42.10	56.90	57.71
41.10	70.50	69.51
39.00	27.60	25.72

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92270.D
Acq On : 24 Aug 2022 11:42 am
Operator : courtnef
Sample : ICC3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 24 11:54:58 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92270.D\data.ms

(50) Isobutyl alcohol

3.586min (+0.002) 1013.46ug/L m

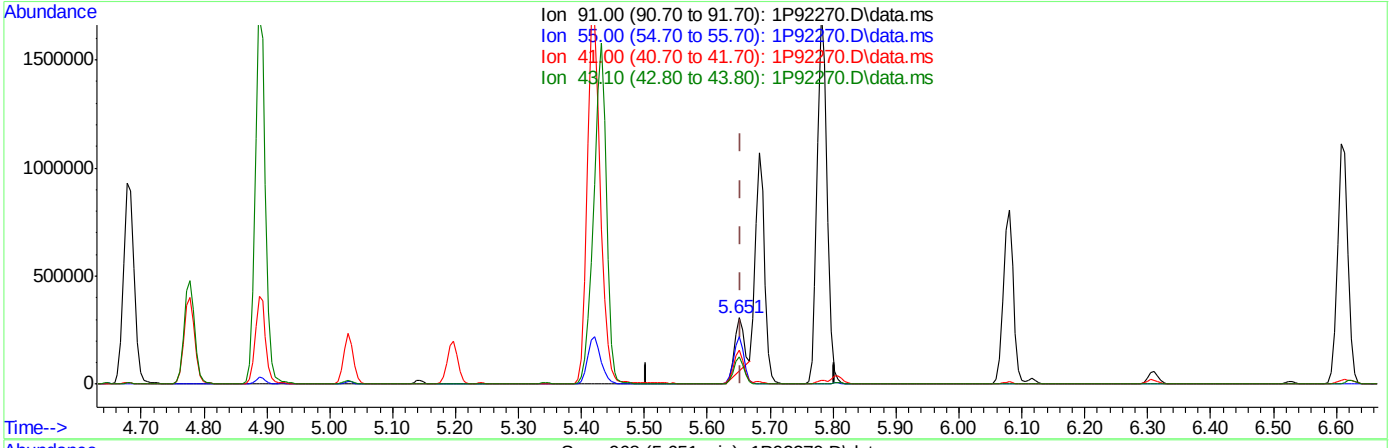
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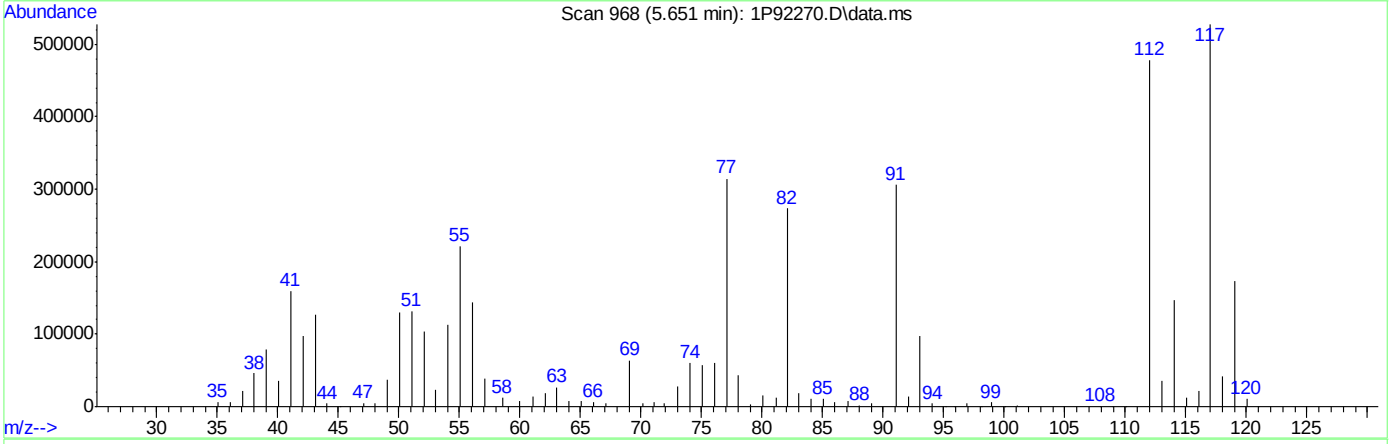
Ion	Exp%	Act%
43.00	100	100
42.10	56.90	57.74
41.10	70.50	71.99
39.00	27.60	27.24

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92270.D
Acq On : 24 Aug 2022 11:42 am
Operator : courtnef
Sample : ICC3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 24 11:54:58 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92270.D\data.ms

(76) 1-Chlorohexane

5.651min (-0.003) 29.23ug/L

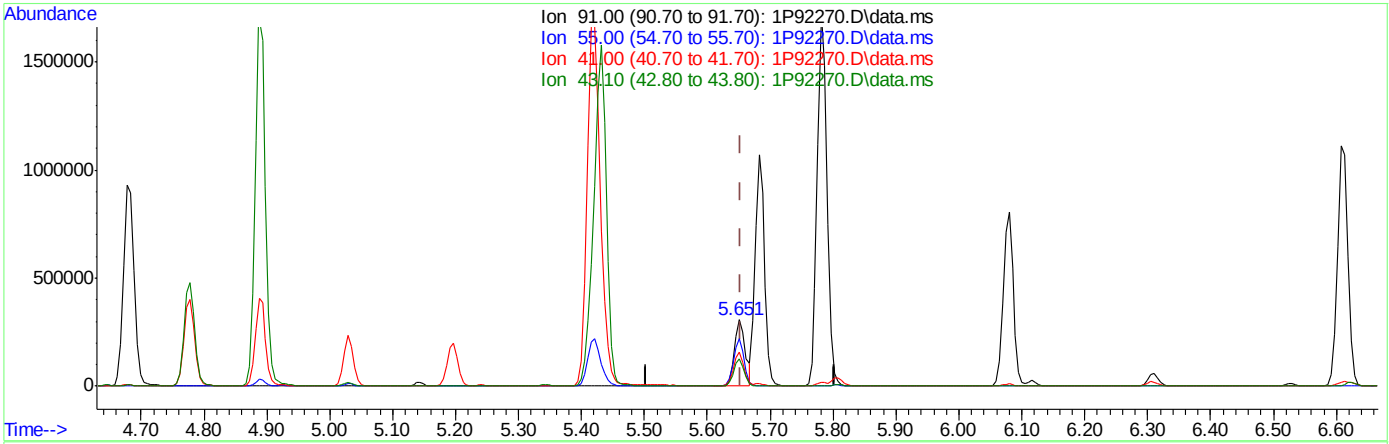
response 238753

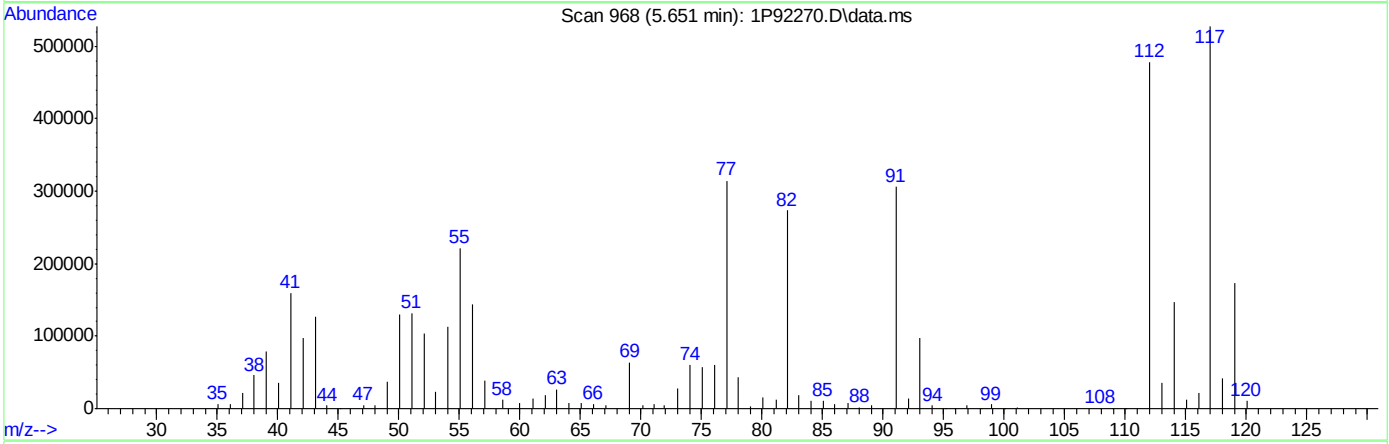
Ion	Exp%	Act%
91.00	100	100
55.00	67.30	71.00
41.00	46.80	50.65
43.10	40.60	40.71

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92270.D
Acq On : 24 Aug 2022 11:42 am
Operator : courtnef
Sample : ICC3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 24 11:54:58 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92270.D\data.ms

(76) 1-Chlorohexane

5.651min (-0.003) 44.27ug/L m

response 361607

Ion	Exp%	Act%
91.00	100	100
55.00	67.30	72.50
41.00	46.80	52.13
43.10	40.60	41.30

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 10:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92272.D
Acq On : 24 Aug 2022 12:15 pm
Operator : courtnef
Sample : IC3565-6
Misc : MS52202,V1P3565,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 24 12:27:22 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1590296	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	1078118	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	472509	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.260	113	345193	50.86	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.72%			
49) 1,2-Dichloroethane-d4	3.553	65	476248	49.56	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.12%			
63) Toluene-d8	4.651	98	1504414	49.91	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.82%			
86) 4-Bromofluorobenzene	6.496	174	374340	50.51	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	256503	63.75	ug/L	100
3) Chloromethane	1.247	50	280795	65.79	ug/L	98
4) 1,3-butadiene	1.310	39	325586	72.74	ug/L	95
5) Vinyl Chloride	1.300	62	361000	64.17	ug/L	99
6) Bromomethane	1.498	94	166503	75.94	ug/L	98
7) Chloroethane	1.571	64	104510	53.11	ug/L	97
8) Trichlorofluoromethane	1.660	101	319579	58.12	ug/L	98
9) Ethyl Ether	1.875	59	417164	68.08	ug/L	98
10) Ethanol	1.974	45	173099	1582.03	ug/L	91
11) 1,2-Dichlorotrifluoroe...	1.969	67	377705	68.45	ug/L	97
12) 1,1-Dichloroethene	1.969	61	544583	70.37	ug/L	98
13) Freon 113	2.005	101	357023	74.14	ug/L	98
14) Carbon Disulfide	1.990	76	934532	81.30	ug/L	98
15) Iodomethane	2.052	142	194186	74.88	ug/L	99
16) Acrolein	2.152	56	667346	372.12	ug/L	99
17) Allyl chloride	2.241	41	408873	76.75	ug/L	97
18) Methylene Chloride	2.298	49	452631	68.43	ug/L	97
19) Acetone	2.314	43	1125872	361.11	ug/L	99
20) Methyl acetate	2.397	43	2537254	348.01	ug/L	98
21) trans-1,2-Dichloroethene	2.397	61	560553	68.99	ug/L	95
22) Hexane	2.460	56	309901	72.96	ug/L #	86
23) Methyl Tert Butyl Ether	2.471	73	1287180	70.69	ug/L	72
24) Tert Butyl Alcohol	2.518	59	1328229	807.71	ug/L	95
25) Acetonitrile	2.549	41	588811	602.68	ug/L	97
26) Di-isopropyl ether	2.685	45	1154611	67.51	ug/L	100
27) Chloroprene	2.727	53	1523973	73.33	ug/L	98
28) 1,1-Dichloroethane	2.727	63	722339	69.01	ug/L	99
29) Acrylonitrile	2.727	52	1183188	368.34	ug/L	98
30) ETBE	2.884	59	1405170	70.39	ug/L	98
31) Vinyl acetate	2.857	43	4807259	353.85	ug/L	100
32) cis-1,2-Dichloroethene	3.020	96	414721	67.25	ug/L	97
33) 2,2-Dichloropropane	3.082	77	591372	78.16	ug/L	100
34) Bromochloromethane	3.124	128	177277	68.06	ug/L	98
35) Cyclohexane	3.161	56	708475	71.14	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92272.D
Acq On : 24 Aug 2022 12:15 pm
Operator : courtnef
Sample : IC3565-6
Misc : MS52202,V1P3565,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 24 12:27:22 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.166	83	732037	68.81	ug/L		99
37) Ethyl acetate	3.229	43	3432767	356.58	ug/L		99
38) Tetrahydrofuran	3.255	42	255321	75.25	ug/L		97
40) Carbon Tetrachloride	3.265	117	487097m	76.97	ug/L		
41) 1,1,1-Trichloroethane	3.291	97	636931	72.72	ug/L		95
42) 2-Butanone	3.318	43	1935507	334.66	ug/L		97
43) 1,1-Dichloropropene	3.359	75	548427	69.14	ug/L		99
44) tert-Butyl formate	3.406	59	1759337	431.09	ug/L		95
45) Propionitrile	3.464	54	1226995	780.92	ug/L		97
46) Methacrylonitrile	3.485	41	3699329	740.27	ug/L		98
47) Benzene	3.490	78	1721575	67.83	ug/L	#	59
48) TAME	3.568	73	1287306	71.94	ug/L		93
50) Isobutyl alcohol	3.589	43	1321889m	1566.61	ug/L		
51) 1,2-Dichloroethane	3.589	62	613269	67.45	ug/L		98
52) Tert Amyl Alcohol	3.652	59	1128330	842.83	ug/L		96
53) Trichloroethene	3.825	95	429844	68.07	ug/L		99
54) Methylcyclohexane	3.840	83	656902	72.68	ug/L		98
55) Dibromomethane	4.049	93	244855	68.73	ug/L		98
56) 1,2-Dichloropropane	4.107	63	415684	68.35	ug/L		98
57) Bromodichloromethane	4.144	83	488619	76.81	ug/L		99
58) Methyl methacrylate	4.232	41	485921	78.41	ug/L		97
59) 1,4-Dioxane	4.264	88	204567	1527.09	ug/L		98
60) 2-Chloroethyl vinyl ether	4.478	63	1833202	370.24	ug/L		99
61) cis-1,3-Dichloropropene	4.520	75	619514	78.52	ug/L		98
64) Toluene	4.682	91	1805832	67.30	ug/L		99
65) 2-Nitropropane	4.776	41	847581	488.72	ug/L		98
66) 4-Methyl-2-pentanone	4.891	43	3357355	357.94	ug/L		99
67) trans-1,3-Dichloropropene	4.917	75	561933	81.47	ug/L		94
68) Tetrachloroethene	4.938	166	388490	65.78	ug/L		99
69) Ethyl methacrylate	5.032	69	682888	76.09	ug/L		98
70) 1,1,2-Trichloroethane	5.022	83	309426	67.67	ug/L		98
71) Dibromochloromethane	5.142	129	354304	80.13	ug/L		98
72) 1,3-Dichloropropane	5.194	76	682440	68.30	ug/L		100
73) 1,2-Dibromoethane	5.294	107	385155	71.69	ug/L		97
74) 3,3-dimethyl-1-butanol	5.424	57	6991262	4223.68	ug/L		98
75) 2-hexanone	5.430	43	3587508	371.48	ug/L	#	59
76) 1-Chlorohexane	5.649	91	574838m	68.51	ug/L		
77) Ethylbenzene	5.686	91	1950154	68.00	ug/L		99
78) Chlorobenzene	5.654	112	1055736	66.85	ug/L		98
79) 1,1,1,2-Tetrachloroethane	5.696	131	356067	74.58	ug/L		97
80) m,p-Xylene	5.785	91	3116073	138.79	ug/L		100
81) o-Xylene	6.078	91	1534724	69.38	ug/L		100
82) Styrene	6.109	104	1203632	72.44	ug/L		99
83) Bromoform	6.120	173	196284	89.25	ug/L		97
84) Isopropylbenzene	6.308	105	1777039	70.57	ug/L		99
87) cis-1,4-Dichloro-2-butene	6.528	53	208548	86.94	ug/L	#	85
88) n-Propylbenzene	6.611	91	2116670	70.59	ug/L		99
89) Bromobenzene	6.575	156	407884	66.60	ug/L		97
90) 1,1,2,2-Tetrachloroethane	6.632	83	558568	70.95	ug/L		99
91) 1,3,5-Trimethylbenzene	6.758	105	1456096	70.30	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92272.D
Acq On : 24 Aug 2022 12:15 pm
Operator : courtnef
Sample : IC3565-6
Misc : MS52202,V1P3565,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 24 12:27:22 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

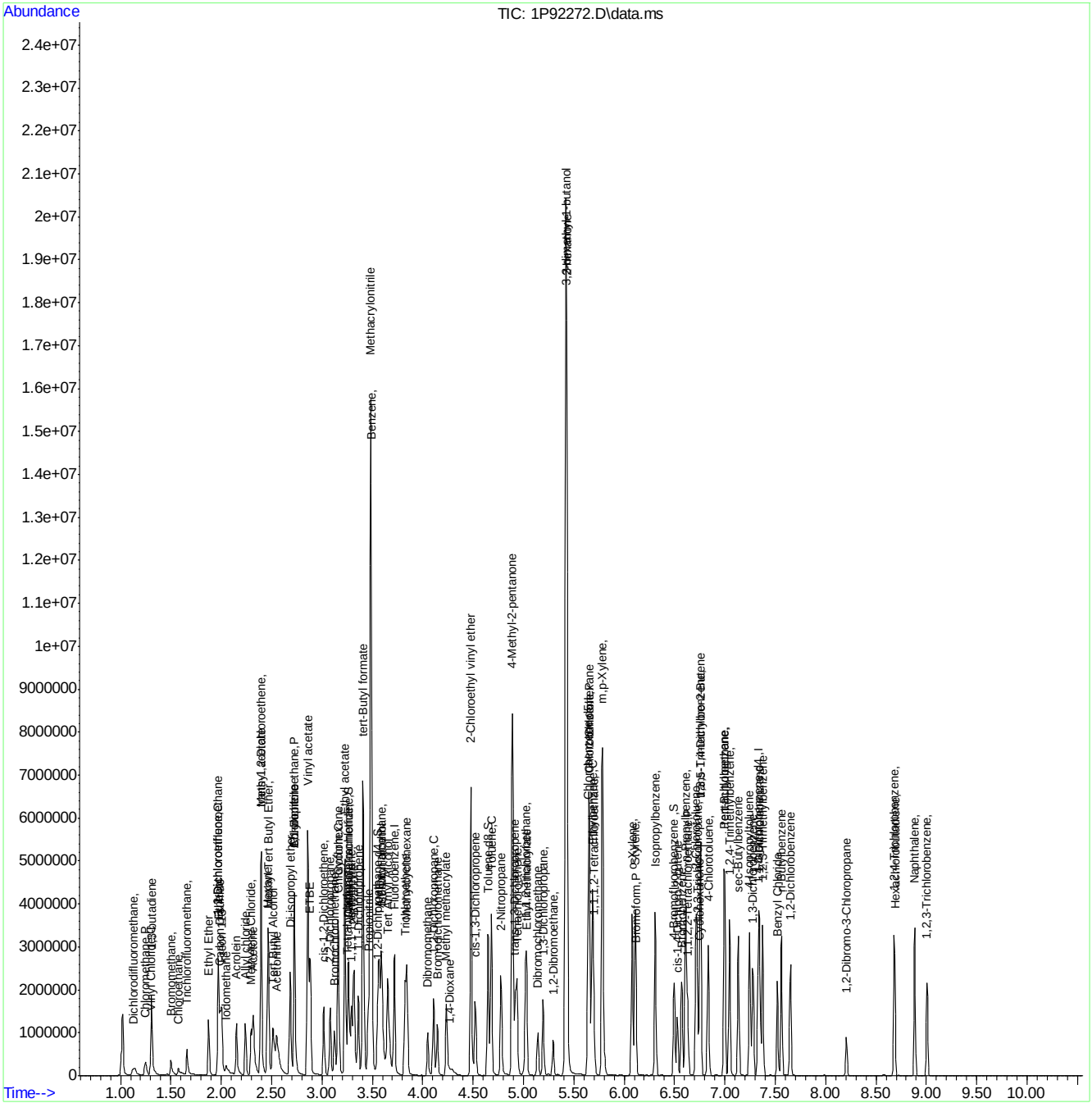
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92)	2-Chlorotoluene	6.716	91	1235696	68.29	ug/L	99
93)	trans-1,4-Dichloro-2-B...	6.758	53	243497	85.01	ug/L	89
94)	1,2,3-Trichloropropane	6.726	110	200737	69.97	ug/L	97
95)	Cyclohexanone	6.747	55	190115	383.54	ug/L	97
96)	4-Chlorotoluene	6.836	91	1291105	68.76	ug/L	100
97)	tert-Butylbenzene	6.993	91	814513	71.05	ug/L	99
99)	1,2,4-Trimethylbenzene	7.045	105	1413181	70.75	ug/L	99
100)	Pentachloroethane	6.998	167	198020	83.39	ug/L	95
101)	sec-Butylbenzene	7.134	105	1582431	70.63	ug/L	99
102)	4-Isopropyltoluene	7.244	119	1401351	72.09	ug/L	97
103)	1,3-Dichlorobenzene	7.275	146	732850	67.81	ug/L	96
104)	1,2,3-Trimethylbenzene	7.374	105	1408030	69.40	ug/L	100
105)	1,4-Dichlorobenzene	7.343	146	751073	65.87	ug/L	96
106)	n-Butylbenzene	7.563	92	685771	71.99	ug/L	97
107)	Benzyl Chloride	7.521	126	204118	103.56	ug/L	98
108)	1,2-Dichlorobenzene	7.652	146	687279	67.27	ug/L	99
109)	1,2-Dibromo-3-Chloropr...	8.206	75	138227	90.79	ug/L	97
110)	Hexachlorobutadiene	8.687	225	141233	71.33	ug/L	95
111)	1,2,4-Trichlorobenzene	8.681	180	404963	72.46	ug/L	98
112)	Naphthalene	8.885	128	1638766	78.45	ug/L	99
113)	1,2,3-Trichlorobenzene	9.006	180	382607	72.15	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92272.D
Acq On : 24 Aug 2022 12:15 pm
Operator : courtnef
Sample : IC3565-6
Misc : MS52202,V1P3565,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 24 12:27:22 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V1P3565-IC3565
Lab FileID: 1P92272.D
Injection Time: 08/24/22 12:15

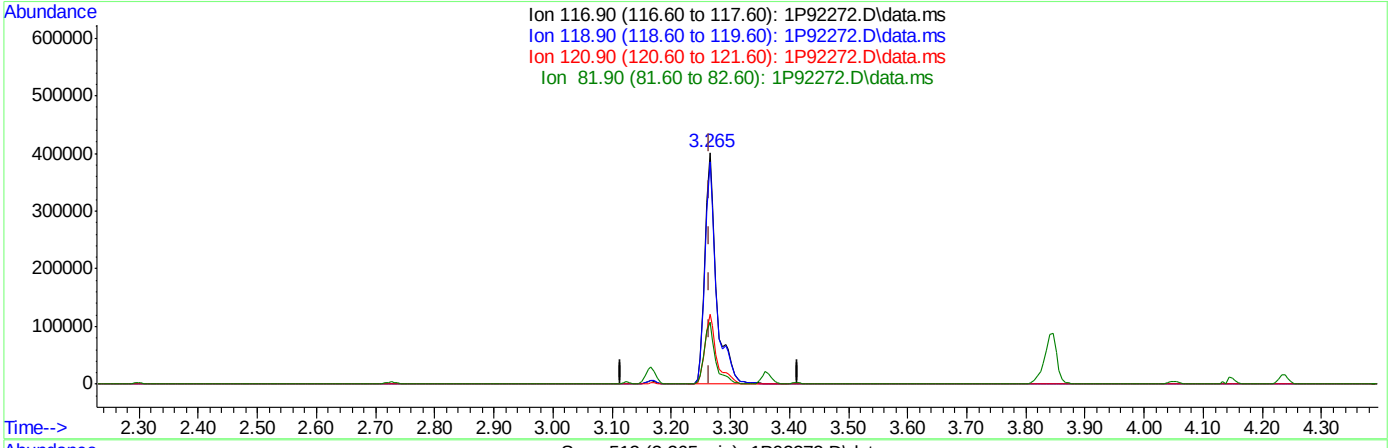
Method: SW846 8260D
Analyst approved: 08/24/22 12:27 Courtney Failla
Supervisor approved: 08/25/22 10:27 Karen Watson

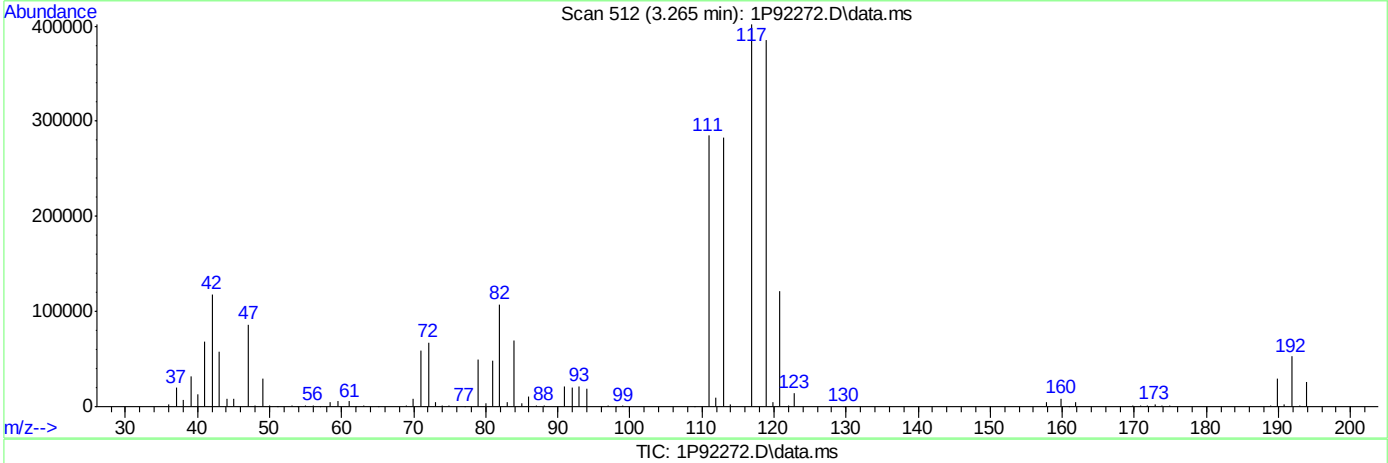
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92272.D
Acq On : 24 Aug 2022 12:15 pm
Operator : courtnef
Sample : IC3565-6
Misc : MS52202,V1P3565,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 24 12:26:28 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92272.D\data.ms

(40) Carbon Tetrachloride ( )

3.265min (+0.001) 87.69ug/L

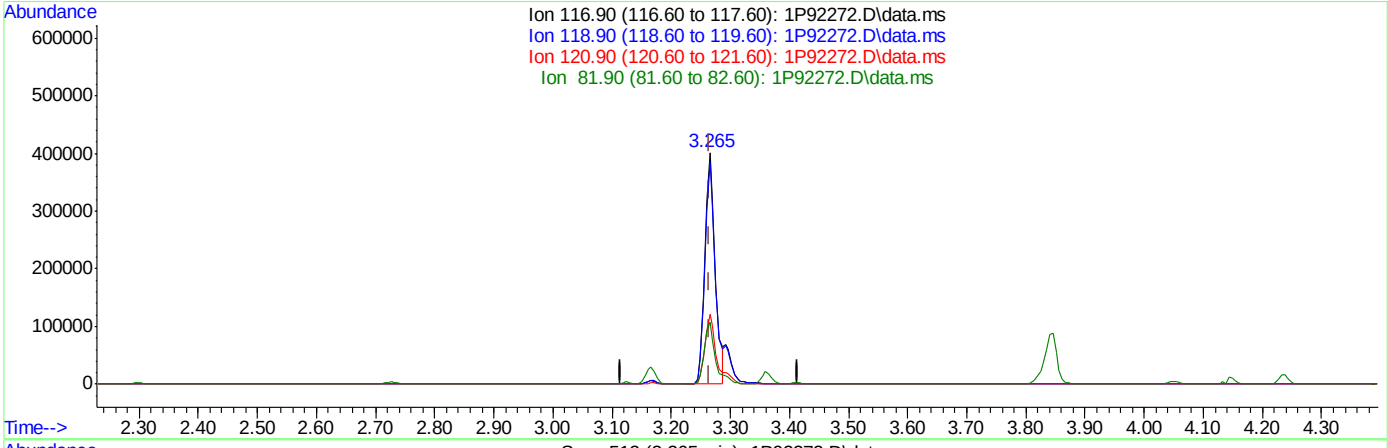
response 554947

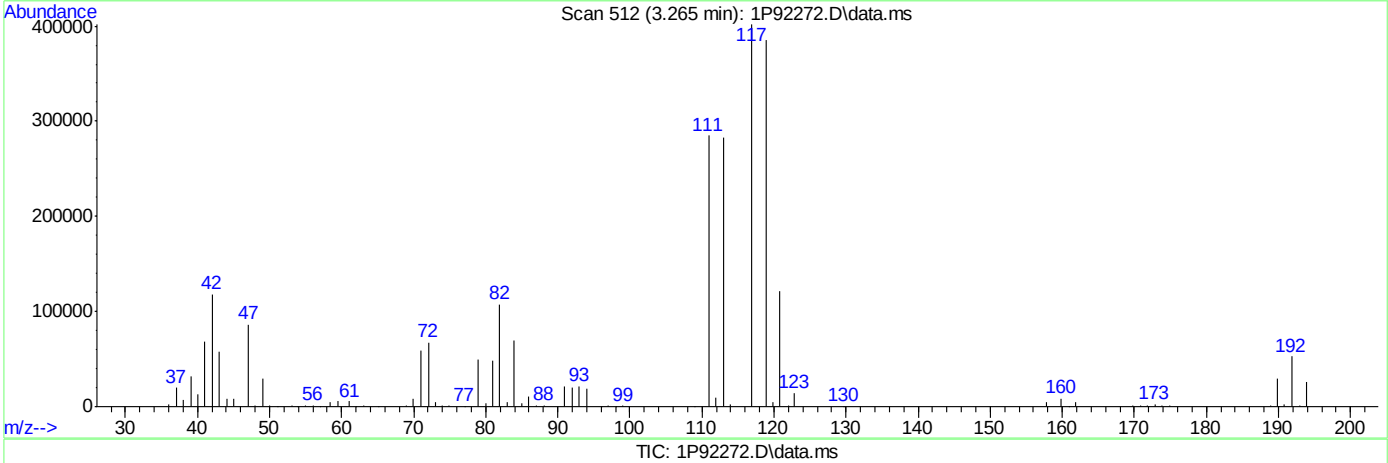
Ion	Exp%	Act%
116.90	100	100
118.90	94.50	96.02
120.90	30.70	30.28
81.90	28.60	26.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92272.D
Acq On : 24 Aug 2022 12:15 pm
Operator : courtnef
Sample : IC3565-6
Misc : MS52202,V1P3565,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 24 12:26:28 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92272.D\data.ms

(40) Carbon Tetrachloride ( )

3.265min (+0.001) 76.97ug/L m

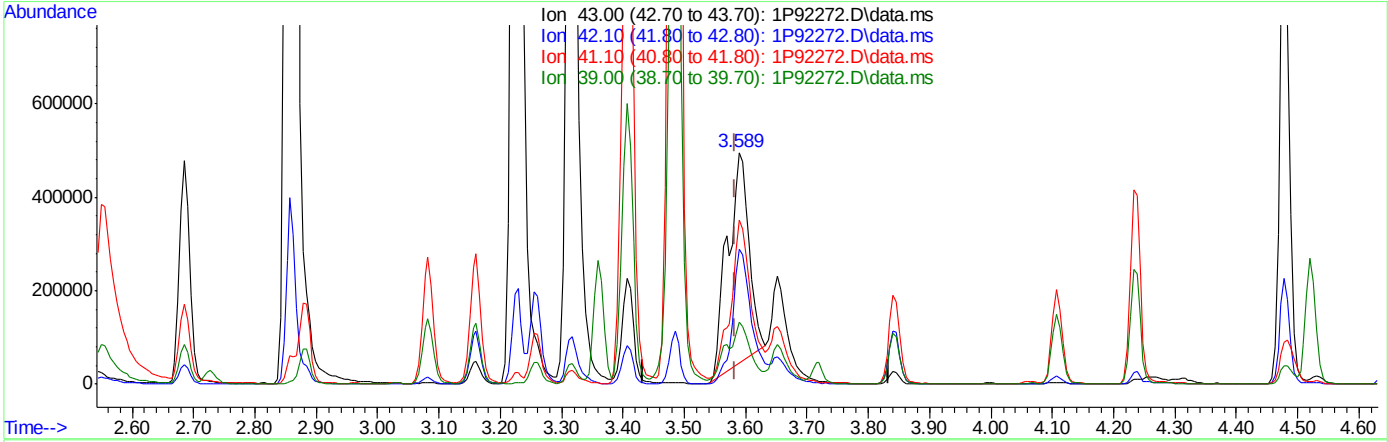
response 487097

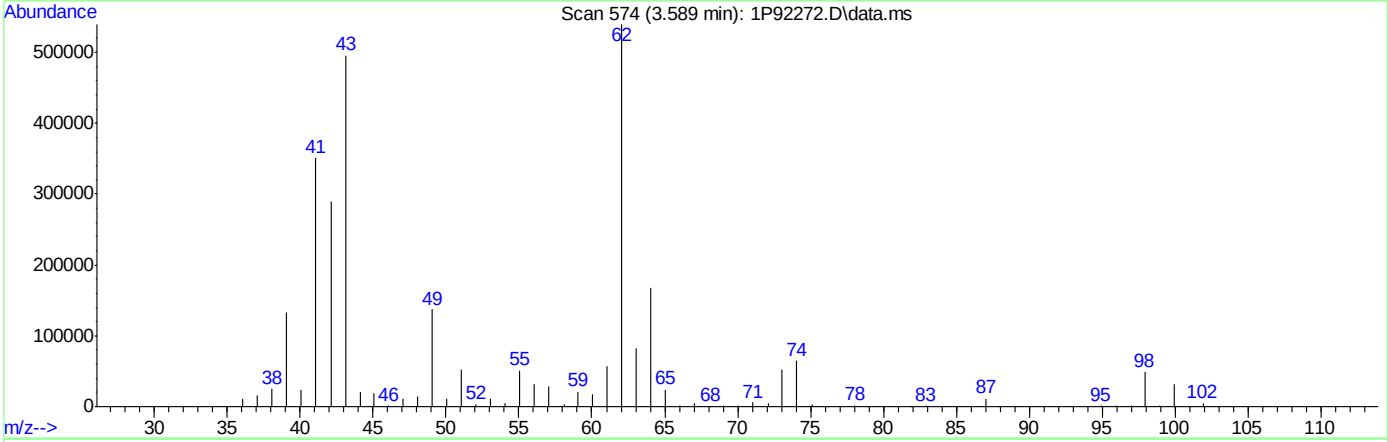
Ion	Exp%	Act%
116.90	100	100
118.90	94.50	96.02
120.90	30.70	30.28
81.90	28.60	26.73

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92272.D
Acq On : 24 Aug 2022 12:15 pm
Operator : courtnef
Sample : IC3565-6
Misc : MS52202,V1P3565,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 24 12:26:28 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92272.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.006) 1295.90ug/L

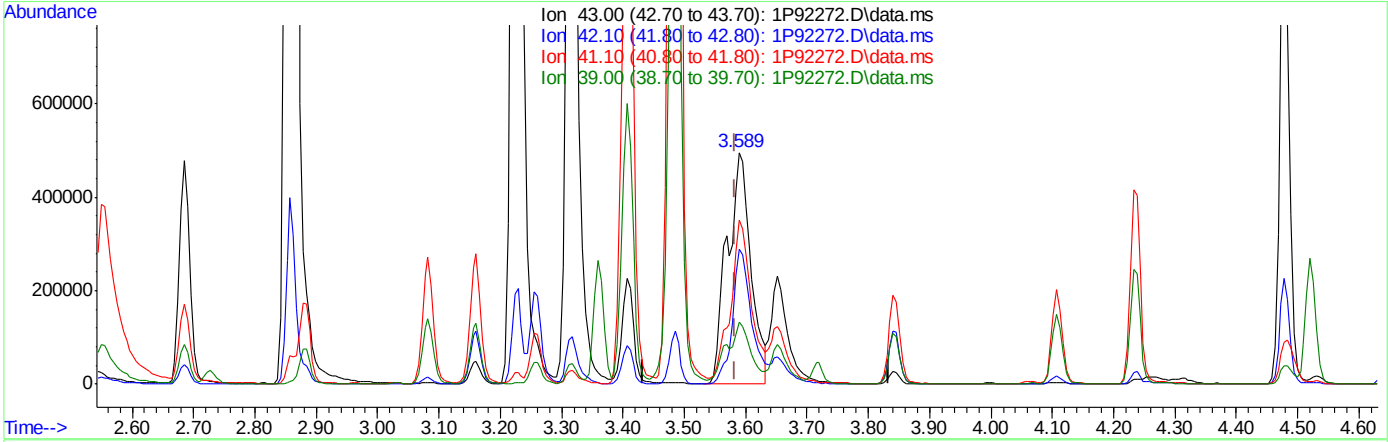
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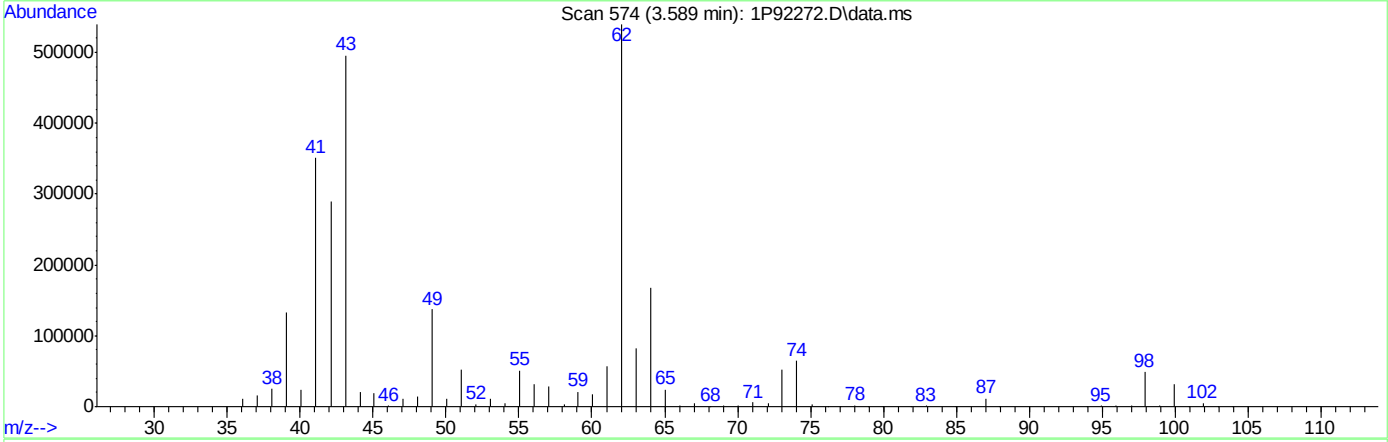
Ion	Exp%	Act%
43.00	100	100
42.10	56.90	58.50
41.10	70.50	68.37
39.00	27.60	24.83

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92272.D
Acq On : 24 Aug 2022 12:15 pm
Operator : courtnef
Sample : IC3565-6
Misc : MS52202,V1P3565,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 24 12:26:28 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92272.D\data.ms

(50) Isobutyl alcohol

3.589min (+0.006) 1566.61ug/L m

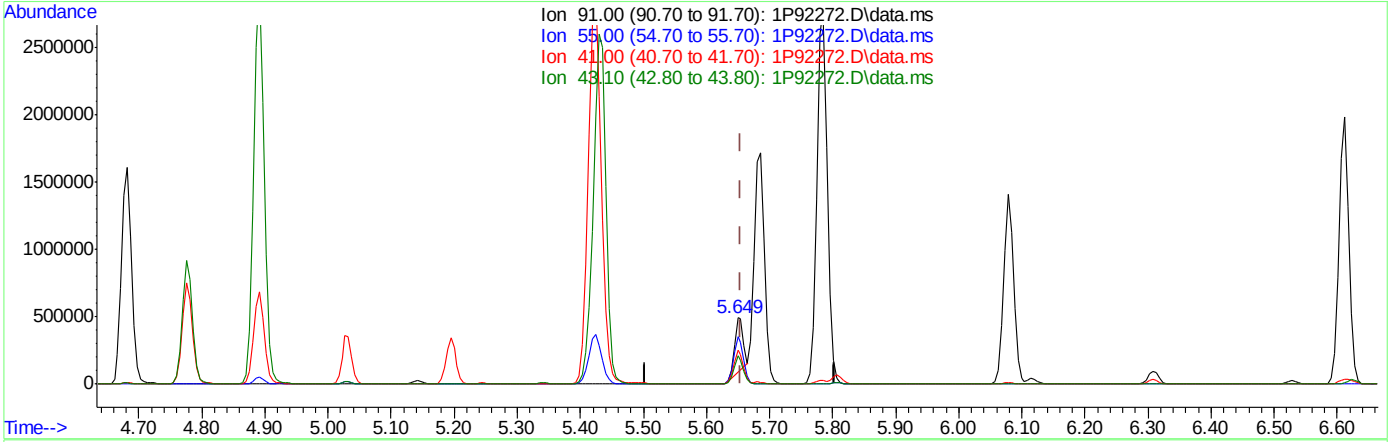
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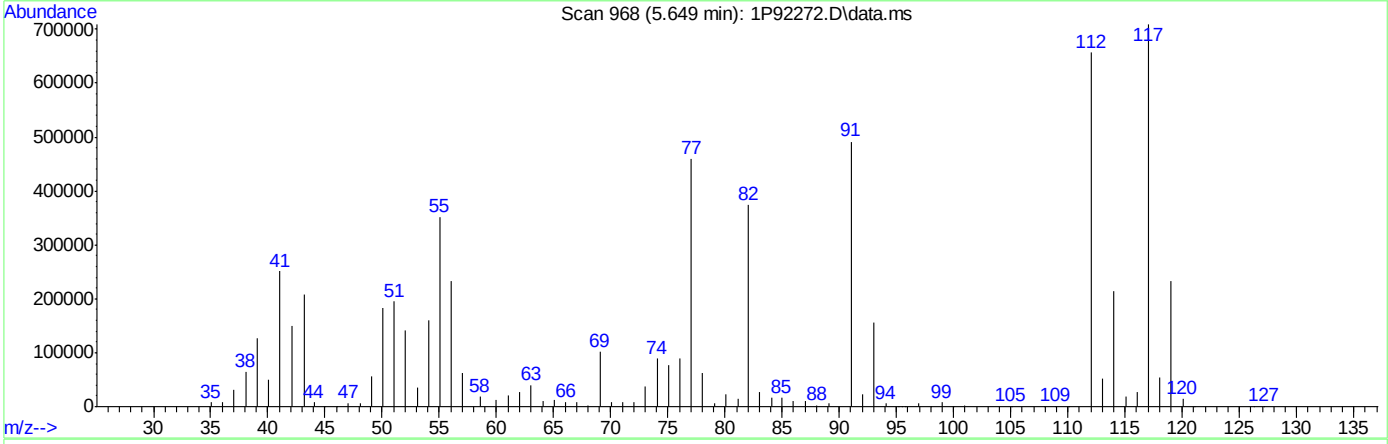
Ion	Exp%	Act%
43.00	100	100
42.10	56.90	58.33
41.10	70.50	70.73
39.00	27.60	26.69

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92272.D
Acq On : 24 Aug 2022 12:15 pm
Operator : courtnef
Sample : IC3565-6
Misc : MS52202,V1P3565,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 24 12:26:28 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92272.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.005) 48.96ug/L

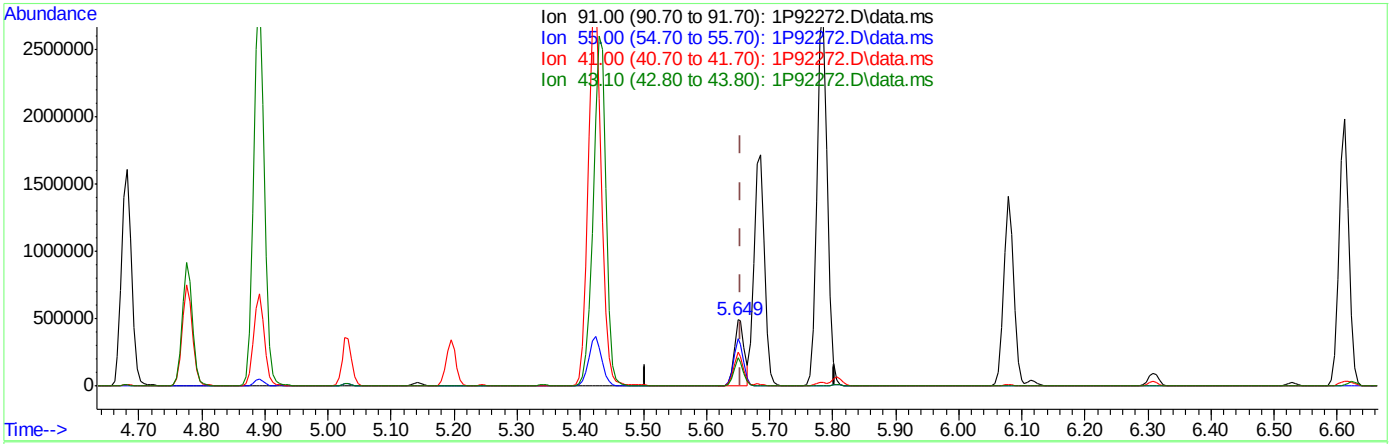
response 410810

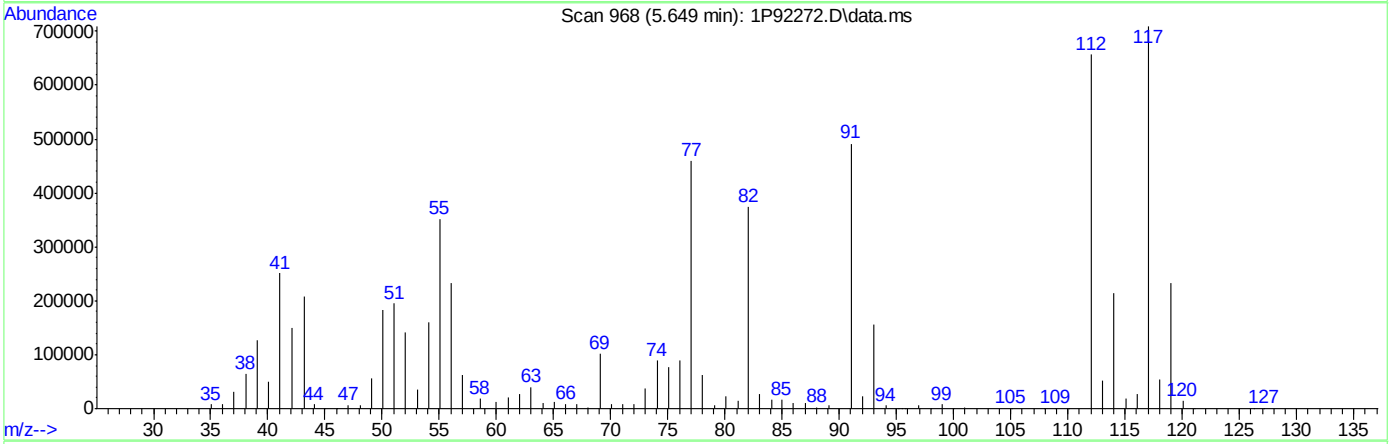
Ion	Exp%	Act%
91.00	100	100
55.00	67.30	69.56
41.00	46.80	49.05
43.10	40.60	41.49

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92272.D
Acq On : 24 Aug 2022 12:15 pm
Operator : courtnef
Sample : IC3565-6
Misc : MS52202,V1P3565,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 24 12:26:28 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92272.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.005) 68.51ug/L m

response 574838

Ion	Exp%	Act%
91.00	100	100
55.00	67.30	71.62
41.00	46.80	50.99
43.10	40.60	42.40

1P92274.D

Manual Integrations APPROVED (compounds with "m" flag)

Karen Watson 08/25/22 10:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92274.D
Acq On : 24 Aug 2022 12:47 pm
Operator : courtnef
Sample : IC3565-7
Misc : MS52202,V1P3565,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 24 12:59:02 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.717	96	1637761	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.646	117	1105955	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.335	152	482017	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.262	113	357366	51.13	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.26%				
49) 1,2-Dichloroethane-d4	3.549	65	488931	49.40	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.80%				
63) Toluene-d8	4.647	98	1543767	49.92	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.84%				
86) 4-Bromofluorobenzene	6.498	174	378957	50.13	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.26%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.139	85	362364	87.44	ug/L		98
3) Chloromethane	1.249	50	420638	95.70	ug/L		100
4) 1,3-butadiene	1.307	39	442592	107.72	ug/L		100
5) Vinyl Chloride	1.312	62	520027	89.76	ug/L		97
6) Bromomethane	1.500	94	229758	101.75	ug/L		96
7) Chloroethane	1.573	64	141075	85.18	ug/L		97
8) Trichlorofluoromethane	1.657	101	249253	33.91	ug/L		96
9) Ethyl Ether	1.877	59	583351	92.44	ug/L		95
10) Ethanol	1.992	45	233494	2170.32	ug/L		88
11) 1,2-Dichlorotrifluoroe...	1.971	67	571783	100.62	ug/L		95
12) 1,1-Dichloroethene	1.965	61	840073	105.41	ug/L		98
13) Freon 113	2.002	101	552708	111.45	ug/L		98
14) Carbon Disulfide	1.986	76	1477152	124.79	ug/L		97
15) Iodomethane	2.049	142	290042	102.31	ug/L		96
16) Acrolein	2.154	56	1002989	523.52	ug/L		100
17) Allyl chloride	2.237	41	590459	107.63	ug/L		99
18) Methylene Chloride	2.295	49	640137	104.67	ug/L		98
19) Acetone	2.321	43	1615441	503.12	ug/L		99
20) Methyl acetate	2.394	43	3862355	499.87	ug/L		99
21) trans-1,2-Dichloroethene	2.394	61	856854	102.41	ug/L		96
22) Hexane	2.462	56	486961	111.32	ug/L	#	86
23) Methyl Tert Butyl Ether	2.473	73	1950223	104.00	ug/L	#	60
24) Tert Butyl Alcohol	2.525	59	1969869	1163.18	ug/L		93
25) Acetonitrile	2.556	41	1469422	1460.44	ug/L		98
26) Di-isopropyl ether	2.687	45	1767643	100.36	ug/L		99
27) Chloroprene	2.729	53	2206694	101.20	ug/L		98
28) 1,1-Dichloroethane	2.723	63	1096282	101.71	ug/L		99
29) Acrylonitrile	2.729	52	1712536	507.46	ug/L		98
30) ETBE	2.880	59	2131237	103.67	ug/L		98
31) Vinyl acetate	2.859	43	7060496	497.50	ug/L		100
32) cis-1,2-Dichloroethene	3.016	96	645400	101.62	ug/L		98
33) 2,2-Dichloropropane	3.084	77	944364	121.19	ug/L		99
34) Bromochloromethane	3.126	128	260332	97.04	ug/L		96
35) Cyclohexane	3.157	56	1109424	108.17	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92274.D
Acq On : 24 Aug 2022 12:47 pm
Operator : courtnef
Sample : IC3565-7
Misc : MS52202,V1P3565,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 24 12:59:02 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Chloroform	3.163	83	1115325	101.80	ug/L		99
37) Ethyl acetate	3.225	43	4954035	493.89	ug/L		98
38) Tetrahydrofuran	3.257	42	375805	107.55	ug/L		98
40) Carbon Tetrachloride	3.262	117	756625m	116.10	ug/L		
41) 1,1,1-Trichloroethane	3.293	97	987415	109.47	ug/L		96
42) 2-Butanone	3.319	43	2793967	469.10	ug/L		95
43) 1,1-Dichloropropene	3.361	75	844142	103.33	ug/L		98
44) tert-Butyl formate	3.408	59	2748028	653.83	ug/L		94
45) Propionitrile	3.466	54	1769653	1093.66	ug/L		95
46) Methacrylonitrile	3.487	41	5112494	993.41	ug/L		96
47) Benzene	3.492	78	2657693	101.68	ug/L		70
48) TAME	3.565	73	1945826	105.59	ug/L		94
50) Isobutyl alcohol	3.597	43	1892739m	2178.12	ug/L		
51) 1,2-Dichloroethane	3.591	62	914433	97.65	ug/L		99
52) Tert Amyl Alcohol	3.659	59	1690461	1226.13	ug/L		95
53) Trichloroethene	3.821	95	658787	101.30	ug/L		97
54) Methylcyclohexane	3.842	83	1035230	111.22	ug/L		99
55) Dibromomethane	4.051	93	373467	101.79	ug/L		96
56) 1,2-Dichloropropane	4.109	63	639530	102.11	ug/L		96
57) Bromodichloromethane	4.145	83	752599	114.87	ug/L		97
58) Methyl methacrylate	4.234	41	715095	112.05	ug/L		96
59) 1,4-Dioxane	4.266	88	295136	2139.33	ug/L		98
60) 2-Chloroethyl vinyl ether	4.480	63	2750302	539.37	ug/L		97
61) cis-1,3-Dichloropropene	4.522	75	952942	117.27	ug/L		97
64) Toluene	4.679	91	2737546	99.46	ug/L		100
65) 2-Nitropropane	4.778	41	1308887	735.71	ug/L		96
66) 4-Methyl-2-pentanone	4.893	43	4833977	502.39	ug/L		98
67) trans-1,3-Dichloropropene	4.919	75	860252	121.58	ug/L		89
68) Tetrachloroethene	4.935	166	594274	98.09	ug/L		97
69) Ethyl methacrylate	5.029	69	987708	107.28	ug/L		95
70) 1,1,2-Trichloroethane	5.019	83	462950	98.69	ug/L		91
71) Dibromochloromethane	5.144	129	545626	120.29	ug/L		99
72) 1,3-Dichloropropane	5.196	76	1020804	99.59	ug/L		98
73) 1,2-Dibromoethane	5.296	107	579868	105.22	ug/L		99
74) 3,3-dimethyl-1-butanol	5.426	57	9898585	5829.58	ug/L		96
75) 2-hexanone	5.432	43	4904491	495.06	ug/L	#	42
76) 1-Chlorohexane	5.651	91	930083m	108.06	ug/L		
77) Ethylbenzene	5.683	91	2938679	99.89	ug/L		100
78) Chlorobenzene	5.656	112	1608651	99.29	ug/L		96
79) 1,1,1,2-Tetrachloroethane	5.698	131	541752	110.62	ug/L		98
80) m,p-Xylene	5.782	91	4733481	205.53	ug/L		99
81) o-Xylene	6.080	91	2327209	102.56	ug/L		99
82) Styrene	6.111	104	1830592	107.40	ug/L		98
83) Bromoform	6.116	173	308667	136.82	ug/L		96
84) Isopropylbenzene	6.310	105	2699769	104.52	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.529	53	310391	126.84	ug/L		86
88) n-Propylbenzene	6.608	91	3188403	104.24	ug/L		97
89) Bromobenzene	6.571	156	622234	99.59	ug/L		91
90) 1,1,2,2-Tetrachloroethane	6.629	83	822699	102.44	ug/L		98
91) 1,3,5-Trimethylbenzene	6.759	105	2231818	105.62	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92274.D
Acq On : 24 Aug 2022 12:47 pm
Operator : courtnef
Sample : IC3565-7
Misc : MS52202,V1P3565,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 24 12:59:02 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration

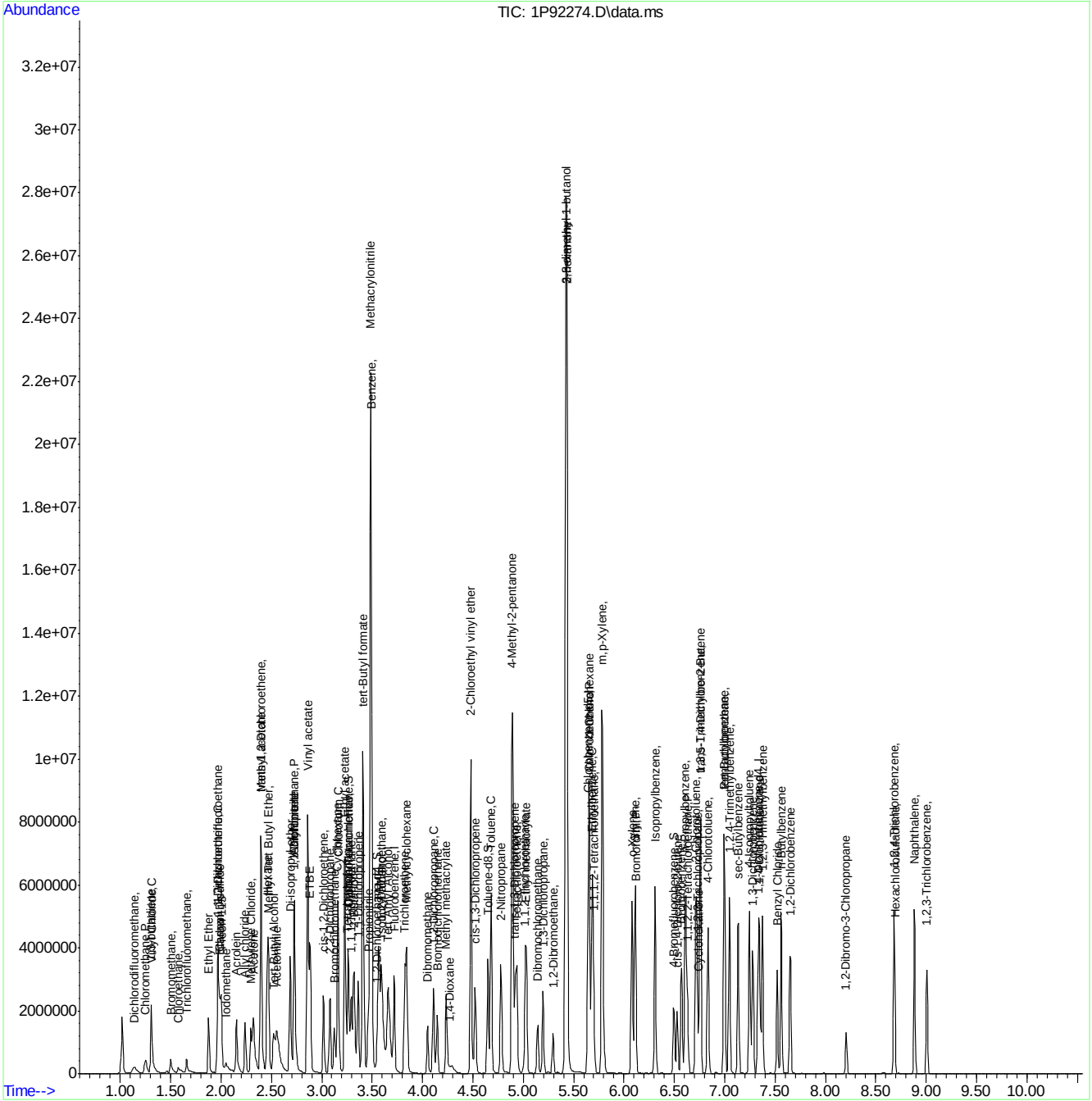
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	6.712	91	1876394	101.66	ug/L		98
93)	trans-1,4-Dichloro-2-B...	6.759	53	365013	124.92	ug/L		84
94)	1,2,3-Trichloropropane	6.728	110	300591	102.71	ug/L		95
95)	Cyclohexanone	6.744	55	274912	543.67	ug/L		97
96)	4-Chlorotoluene	6.833	91	1951998	101.90	ug/L		98
97)	tert-Butylbenzene	6.995	91	1236630	105.74	ug/L		98
99)	1,2,4-Trimethylbenzene	7.047	105	2152559	105.65	ug/L		99
100)	Pentachloroethane	6.995	167	295599	122.03	ug/L	#	83
101)	sec-Butylbenzene	7.136	105	2446513	107.05	ug/L		99
102)	4-Isopropyltoluene	7.246	119	2150355	108.44	ug/L		98
103)	1,3-Dichlorobenzene	7.277	146	1103910	100.14	ug/L		97
104)	1,2,3-Trimethylbenzene	7.376	105	2120159	102.44	ug/L		99
105)	1,4-Dichlorobenzene	7.345	146	1136386	97.69	ug/L		95
106)	n-Butylbenzene	7.559	92	1062810	109.37	ug/L		96
107)	Benzyl Chloride	7.523	126	325162	161.71	ug/L		97
108)	1,2-Dichlorobenzene	7.653	146	1043545	100.12	ug/L		98
109)	1,2-Dibromo-3-Chloropr...	8.202	75	216670	139.50	ug/L		93
110)	Hexachlorobutadiene	8.689	225	221053	109.44	ug/L		91
111)	1,2,4-Trichlorobenzene	8.683	180	613246	107.56	ug/L		98
112)	Naphthalene	8.882	128	2540812	119.23	ug/L		99
113)	1,2,3-Trichlorobenzene	9.008	180	581128	107.42	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92274.D
Acq On : 24 Aug 2022 12:47 pm
Operator : courtnef
Sample : IC3565-7
Misc : MS52202,V1P3565,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 24 12:59:02 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V1P3565-IC3565
Lab FileID: 1P92274.D
Injection Time: 08/24/22 12:47

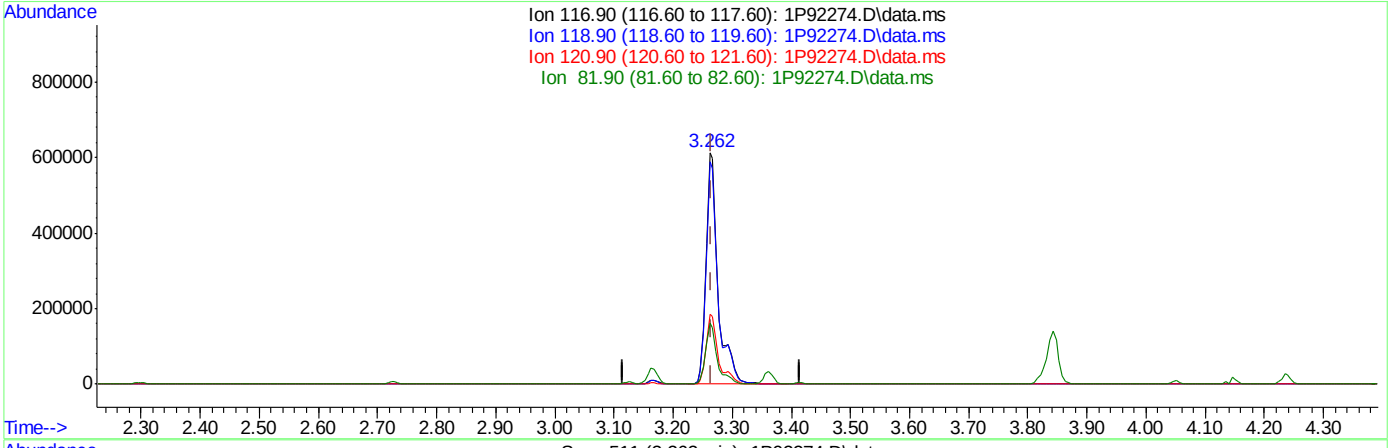
Method: SW846 8260D
Analyst approved: 08/24/22 13:05 Courtney Failla
Supervisor approved: 08/25/22 10:27 Karen Watson

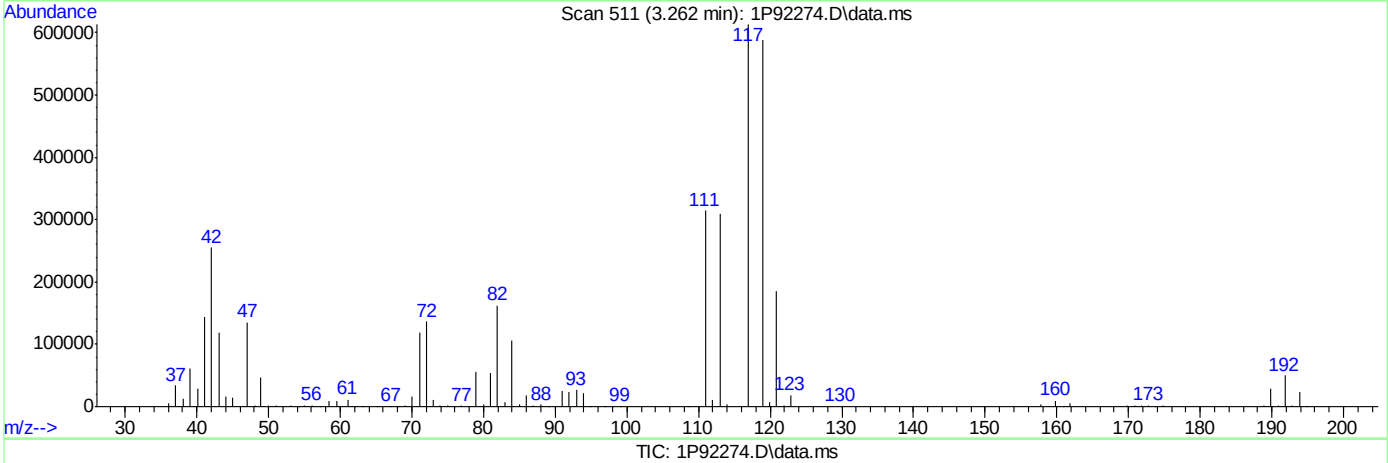
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.26	Overlapping peak
Isobutyl Alcohol	78-83-1		3.60	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92274.D
Acq On : 24 Aug 2022 12:47 pm
Operator : courtnef
Sample : IC3565-7
Misc : MS52202,V1P3565,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 24 12:58:35 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92274.D\data.ms

(40) Carbon Tetrachloride ( )

3.262min (-0.003) 134.74ug/L

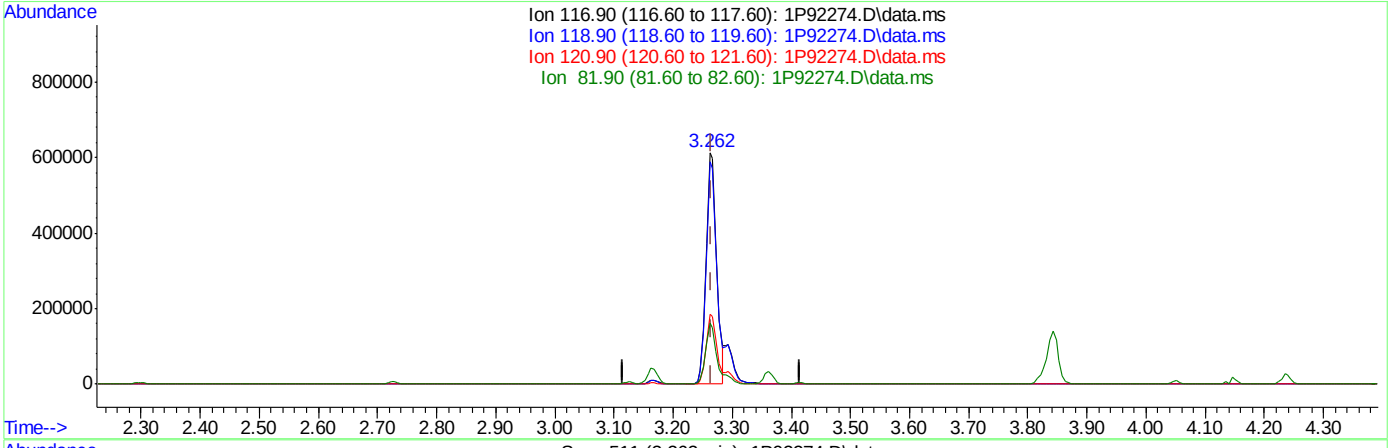
response 878126

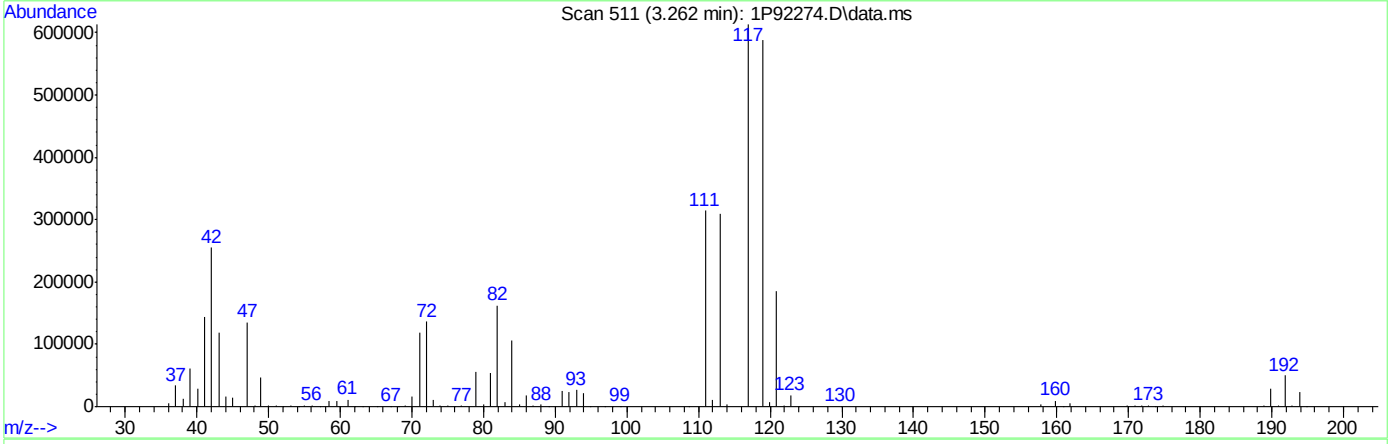
Ion	Exp%	Act%
116.90	100	100
118.90	94.50	95.84
120.90	30.70	30.35
81.90	28.60	26.43

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92274.D
Acq On : 24 Aug 2022 12:47 pm
Operator : courtnef
Sample : IC3565-7
Misc : MS52202,V1P3565,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 24 12:58:35 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92274.D\data.ms

(40) Carbon Tetrachloride ( )

3.262min (-0.003) 116.10ug/L m

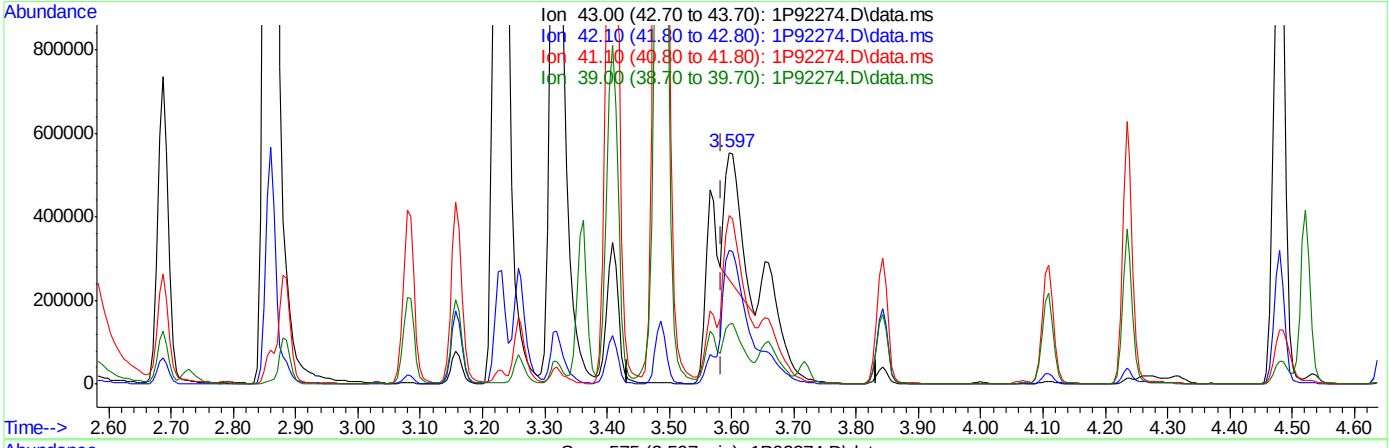
response 756625

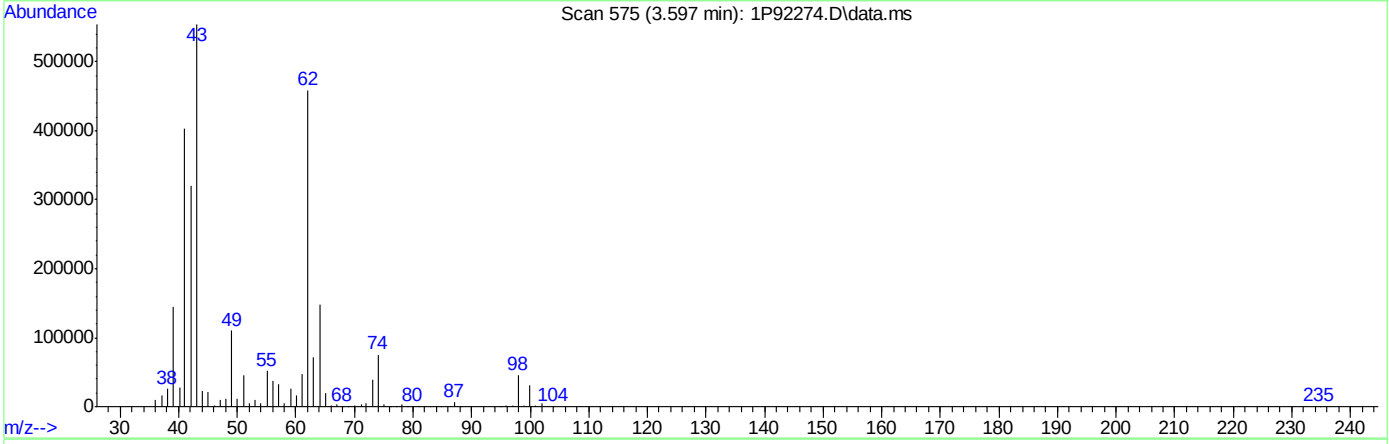
Ion	Exp%	Act%
116.90	100	100
118.90	94.50	95.84
120.90	30.70	30.35
81.90	28.60	26.54

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92274.D
Acq On : 24 Aug 2022 12:47 pm
Operator : courtnef
Sample : IC3565-7
Misc : MS52202,V1P3565,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 24 12:58:35 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92274.D\data.ms

(50) Isobutyl alcohol

3.597min (+0.013) 582.33ug/L

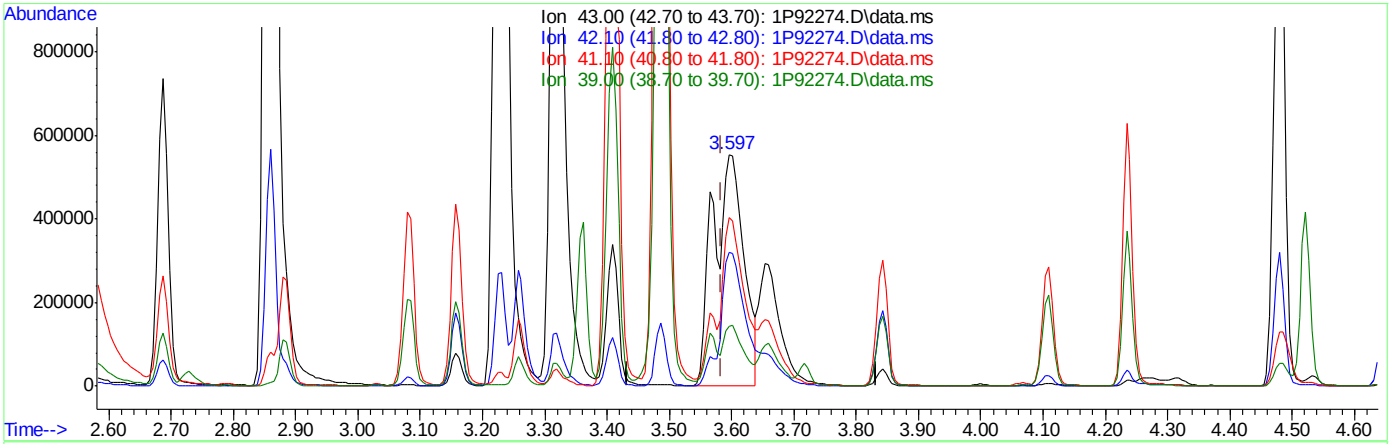
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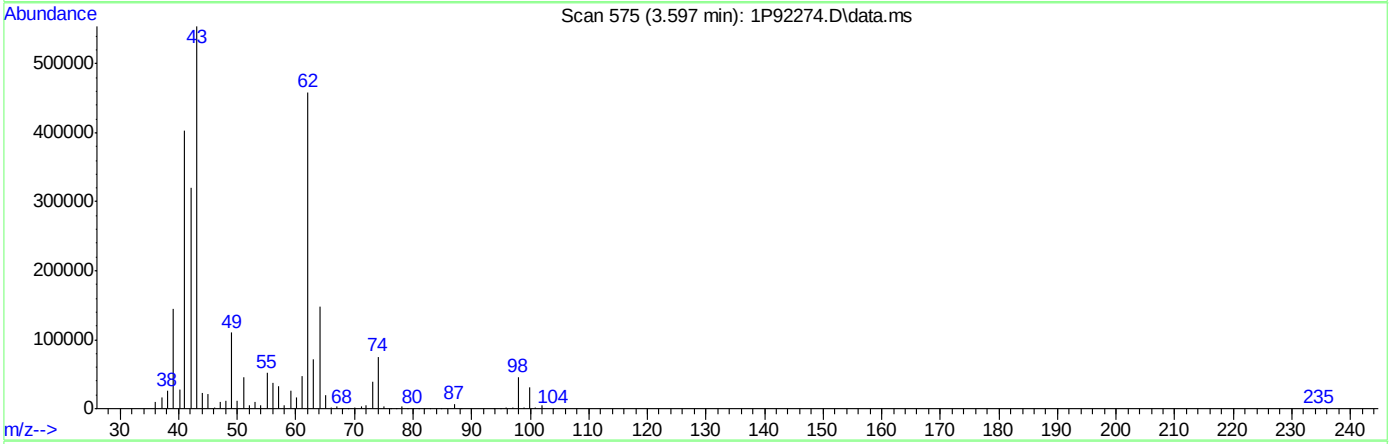
Ion	Exp%	Act%
43.00	100	100
42.10	56.90	60.15
41.10	70.50	68.81
39.00	27.60	23.66

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92274.D
Acq On : 24 Aug 2022 12:47 pm
Operator : courtnef
Sample : IC3565-7
Misc : MS52202,V1P3565,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 24 12:58:35 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92274.D\data.ms

(50) Isobutyl alcohol

3.597min (+0.013) 2178.12ug/L m

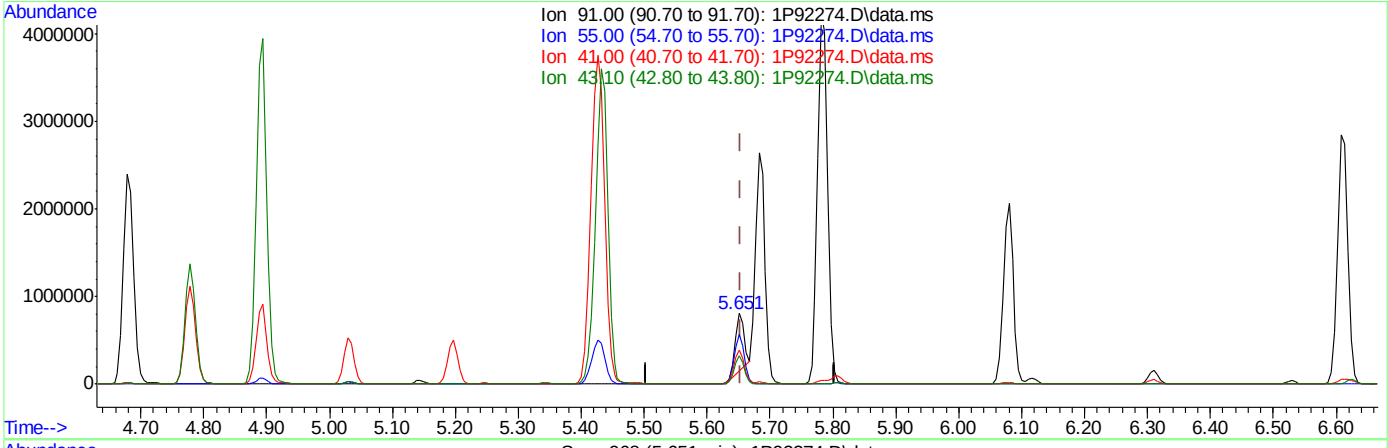
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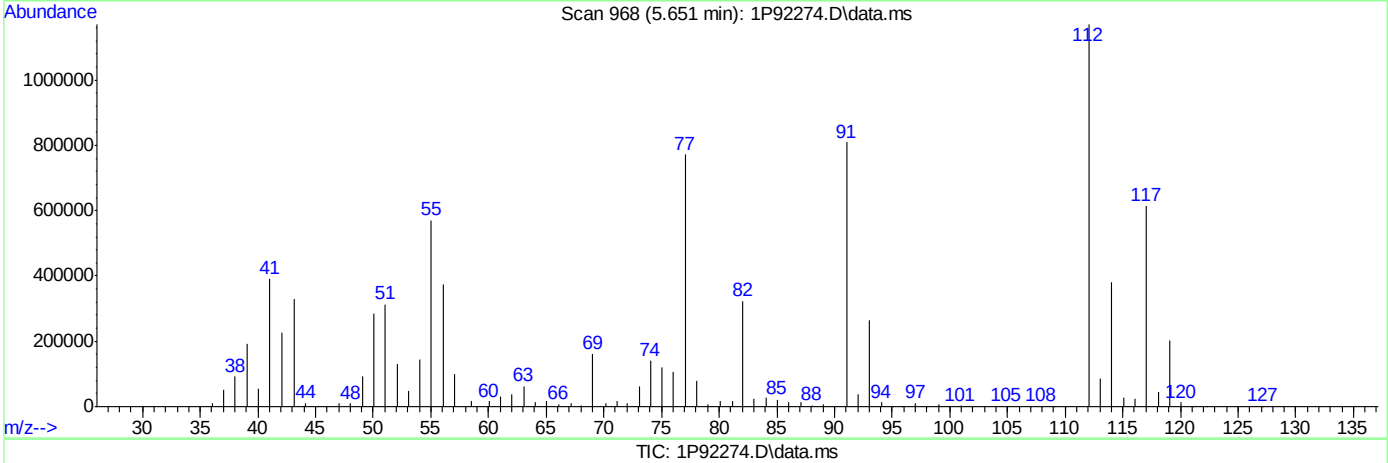
Ion	Exp%	Act%
43.00	100	100
42.10	56.90	57.80
41.10	70.50	72.69
39.00	27.60	25.98

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92274.D
Acq On : 24 Aug 2022 12:47 pm
Operator : courtnef
Sample : IC3565-7
Misc : MS52202,V1P3565,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 24 12:58:35 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92274.D\data.ms

(76) 1-Chlorohexane

5.651min (-0.003) 73.48ug/L

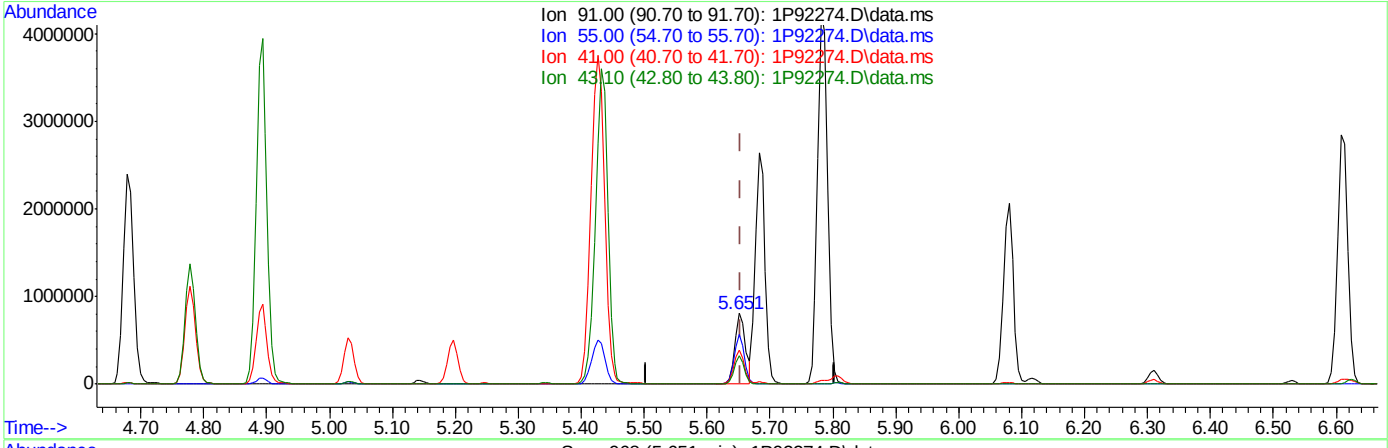
response 632471

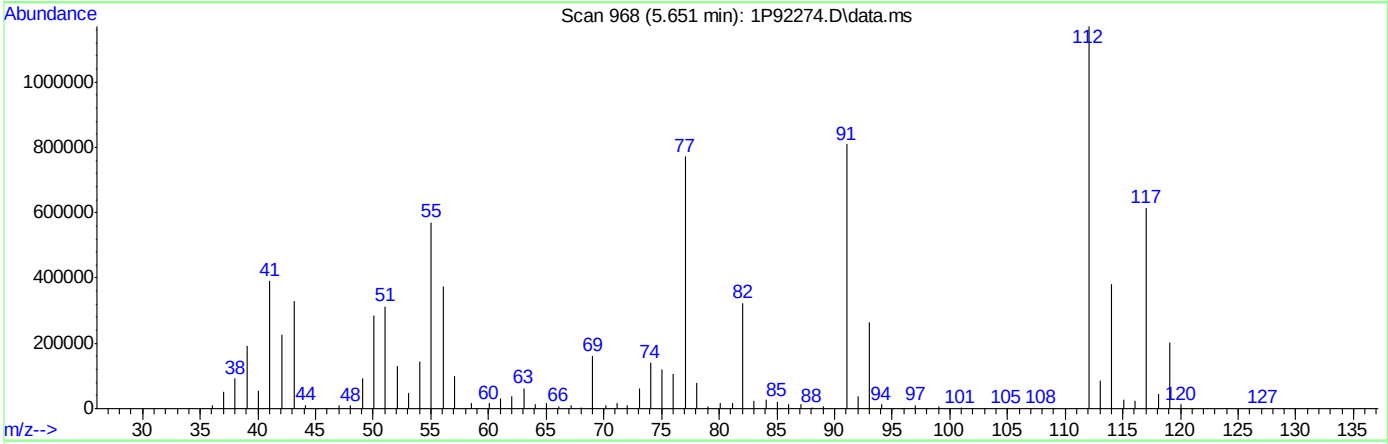
Ion	Exp%	Act%
91.00	100	100
55.00	67.30	69.35
41.00	46.80	47.27
43.10	40.60	40.32

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92274.D
Acq On : 24 Aug 2022 12:47 pm
Operator : courtnef
Sample : IC3565-7
Misc : MS52202,V1P3565,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 24 12:58:35 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 08:54:02 2022
Response via : Initial Calibration





TIC: 1P92274.D\data.ms

(76) 1-Chlorohexane

5.651min (-0.003) 108.06ug/L m

response 930083

Ion	Exp%	Act%
91.00	100	100
55.00	67.30	70.48
41.00	46.80	48.18
43.10	40.60	40.69

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
08/25/22 10:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92278.D
Acq On : 24 Aug 2022 1:52 pm
Operator : courtnef
Sample : ICV3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 14:49:11 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	3.718	96	1589278	50.00	ug/L		0.00
62) Chlorobenzene-d5	5.642	117	1062077	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	7.330	152	462162	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	3.263	113	346958	51.19	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.38%				
49) 1,2-Dichloroethane-d4	3.550	65	490403	51.74	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 103.48%				
63) Toluene-d8	4.648	98	1513104	50.72	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.44%				
86) 4-Bromofluorobenzene	6.494	174	370944	50.37	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.74%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.130	85	117425	32.40	ug/L		96
3) Chloromethane	1.245	50	165966	37.70	ug/L		99
4) 1,3-butadiene	1.313	39	180567	39.76	ug/L		95
5) Vinyl Chloride	1.297	62	201316	35.83	ug/L		100
6) Bromomethane	1.501	94	101194	35.23	ug/L		96
7) Chloroethane	1.574	64	63576	33.59	ug/L		99
9) Ethyl Ether	1.872	59	244329	41.37	ug/L		94
10) Ethanol	1.972	45	105021	761.07	ug/L		97
11) 1,2-Dichlorotrifluoroe...	1.972	67	264786	47.39	ug/L		99
12) 1,1-Dichloroethene	1.972	61	363604	46.71	ug/L		97
13) Freon 113	2.003	101	204717	42.27	ug/L		97
14) Carbon Disulfide	1.992	76	476441	36.20	ug/L		96
15) Iodomethane	2.050	142	90871	34.95	ug/L		97
16) Acrolein	2.149	56	407328	211.53	ug/L		99
18) Methylene Chloride	2.296	49	287869	37.94	ug/L		94
19) Acetone	2.317	43	748651	216.01	ug/L		99
20) Methyl acetate	2.395	43	1745021	228.62	ug/L		99
21) trans-1,2-Dichloroethene	2.395	61	361443	44.93	ug/L		97
22) Hexane	2.463	56	196319	47.34	ug/L		95
24) Tert Butyl Alcohol	2.515	59	828894	416.60	ug/L		99
25) Acetonitrile	2.552	41	363443	328.69	ug/L		98
26) Di-isopropyl ether	2.688	45	789564	47.05	ug/L		97
27) Chloroprene	2.724	53	1248426	54.60	ug/L		91
28) 1,1-Dichloroethane	2.724	63	494395	47.41	ug/L		99
29) Acrylonitrile	2.724	52	803688	224.38	ug/L	#	72
30) ETBE	2.881	59	854460	43.21	ug/L		97
31) Vinyl acetate	2.860	43	2967418	218.90	ug/L		99
32) cis-1,2-Dichloroethene	3.017	96	278470	44.48	ug/L		94
33) 2,2-Dichloropropane	3.085	77	357219	42.12	ug/L		99
34) Bromochloromethane	3.127	128	112852	41.40	ug/L		95
35) Cyclohexane	3.158	56	412285	43.20	ug/L		99
36) Chloroform	3.164	83	482061	45.86	ug/L		99
37) Ethyl acetate	3.226	43	2136884	211.52	ug/L		98
38) Tetrahydrofuran	3.258	42	166954	42.11	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92278.D
Acq On : 24 Aug 2022 1:52 pm
Operator : courtnef
Sample : ICV3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 14:49:11 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Carbon Tetrachloride	3.268	117	292078m	42.98	ug/L	
41) 1,1,1-Trichloroethane	3.294	97	414623	46.61	ug/L	99
42) 2-Butanone	3.315	43	1324976	221.11	ug/L	98
43) 1,1-Dichloropropene	3.362	75	348082	44.23	ug/L	97
44) tert-Butyl formate	3.409	59	855749	184.28	ug/L	98
45) Propionitrile	3.462	54	753773	407.51	ug/L	98
46) Methacrylonitrile	3.482	41	2315469	435.88	ug/L	99
47) Benzene	3.493	78	1103770	44.18	ug/L	95
50) Isobutyl alcohol	3.592	43	920560m	965.75	ug/L	
51) 1,2-Dichloroethane	3.587	62	402379	44.70	ug/L	99
52) Tert Amyl Alcohol	3.650	59	689177	424.21	ug/L	98
53) Trichloroethene	3.822	95	278611	44.74	ug/L	95
54) Methylcyclohexane	3.843	83	386837	44.16	ug/L	98
55) Dibromomethane	4.047	93	156637	44.93	ug/L	94
56) 1,2-Dichloropropane	4.110	63	263144	43.24	ug/L	99
57) Bromodichloromethane	4.146	83	318140	46.03	ug/L	98
58) Methyl methacrylate	4.235	41	298968	45.52	ug/L	94
59) 1,4-Dioxane	4.261	88	141919	900.50	ug/L	97
60) 2-Chloroethyl vinyl ether	4.476	63	1129512	222.40	ug/L	99
61) cis-1,3-Dichloropropene	4.523	75	397366	45.03	ug/L	99
64) Toluene	4.680	91	1183160	44.98	ug/L	99
65) 2-Nitropropane	4.779	41	519302	234.24	ug/L	98
66) 4-Methyl-2-pentanone	4.889	43	2179441	217.31	ug/L	99
67) trans-1,3-Dichloropropene	4.920	75	384035	47.74	ug/L	98
68) Tetrachloroethene	4.936	166	251091	44.91	ug/L	98
69) Ethyl methacrylate	5.030	69	416607	42.90	ug/L	99
70) 1,1,2-Trichloroethane	5.019	83	206132	46.52	ug/L	98
71) Dibromochloromethane	5.145	129	216807	44.41	ug/L	99
72) 1,3-Dichloropropane	5.197	76	425468	42.82	ug/L	98
73) 1,2-Dibromoethane	5.297	107	255813	47.10	ug/L	95
74) 3,3-dimethyl-1-butanol	5.422	57	4227131	2125.95	ug/L	100
75) 2-hexanone	5.433	43	2319616	217.71	ug/L	97
76) 1-Chlorohexane	5.652	91	353784m	41.60	ug/L	
77) Ethylbenzene	5.683	91	1287940	45.57	ug/L	99
78) Chlorobenzene	5.652	112	702471	45.34	ug/L	98
79) 1,1,1,2-Tetrachloroethane	5.699	131	229902	45.51	ug/L	99
80) m,p-Xylene	5.783	91	2023886	90.88	ug/L	99
81) o-Xylene	6.076	91	1024827	46.70	ug/L	100
82) Styrene	6.112	104	794241	45.42	ug/L	98
83) Bromoform	6.117	173	122463	47.49	ug/L	98
84) Isopropylbenzene	6.311	105	1164517	46.58	ug/L	99
87) cis-1,4-Dichloro-2-butene	6.525	53	120042	41.81	ug/L	93
88) n-Propylbenzene	6.609	91	1379903	46.44	ug/L	100
89) Bromobenzene	6.572	156	260489	42.93	ug/L	99
90) 1,1,2,2-Tetrachloroethane	6.630	83	365537	46.13	ug/L	98
91) 1,3,5-Trimethylbenzene	6.760	105	938083	45.76	ug/L	100
92) 2-Chlorotoluene	6.713	91	809641	45.62	ug/L	98
93) trans-1,4-Dichloro-2-B...	6.760	53	135560	39.36	ug/L	96
94) 1,2,3-Trichloropropane	6.724	110	128881	43.71	ug/L	91
95) Cyclohexanone	6.745	55	124042	223.60	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92278.D
Acq On : 24 Aug 2022 1:52 pm
Operator : courtnef
Sample : ICV3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 14:49:11 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

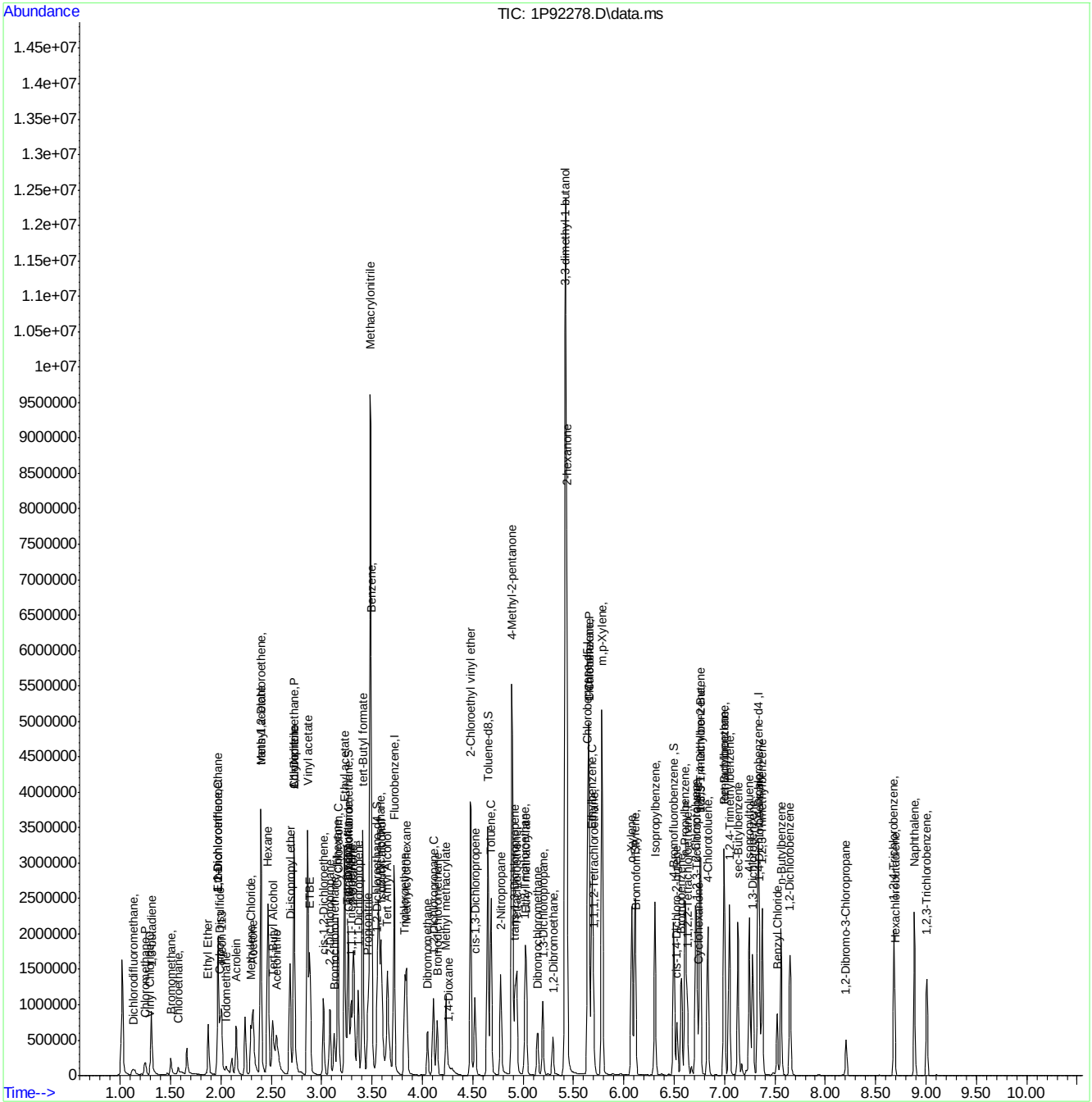
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96)	4-Chlorotoluene	6.834	91	852964	45.99	ug/L		99
97)	tert-Butylbenzene	6.996	91	525659	46.31	ug/L		98
99)	1,2,4-Trimethylbenzene	7.048	105	933884	47.14	ug/L		98
100)	Pentachloroethane	6.996	167	123014	45.09	ug/L		94
101)	sec-Butylbenzene	7.132	105	1069416	46.76	ug/L		99
102)	4-Isopropyltoluene	7.247	119	945761	46.79	ug/L		100
103)	1,3-Dichlorobenzene	7.278	146	490871	46.24	ug/L		99
104)	1,2,3-Trimethylbenzene	7.372	105	956599	46.88	ug/L		98
105)	1,4-Dichlorobenzene	7.346	146	491817	44.59	ug/L		99
106)	n-Butylbenzene	7.560	92	419559	44.74	ug/L		98
107)	Benzyl Chloride	7.524	126	85768	35.19	ug/L	#	90
108)	1,2-Dichlorobenzene	7.649	146	452787	45.50	ug/L		97
109)	1,2-Dibromo-3-Chloropr...	8.203	75	82411	44.52	ug/L		90
110)	Hexachlorobutadiene	8.690	225	86083	43.58	ug/L		100
111)	1,2,4-Trichlorobenzene	8.679	180	259094	46.90	ug/L		93
112)	Naphthalene	8.883	128	1083470	46.99	ug/L		100
113)	1,2,3-Trichlorobenzene	9.008	180	243776	46.84	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92278.D
Acq On : 24 Aug 2022 1:52 pm
Operator : courtnef
Sample : ICV3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 14:49:11 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration



Manual Integration Approval Summary

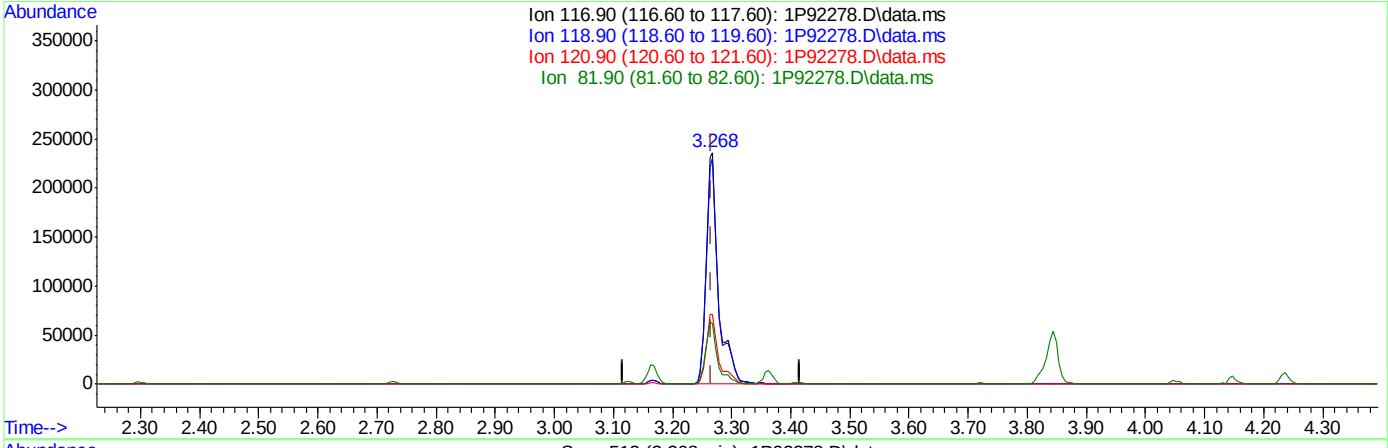
Sample Number: V1P3565-ICV3565 **Method:** SW846 8260D
Lab FileID: 1P92278.D **Analyst approved:** 08/24/22 15:03 Courtney Failla
Injection Time: 08/24/22 13:52 **Supervisor approved:** 08/25/22 10:27 Karen Watson

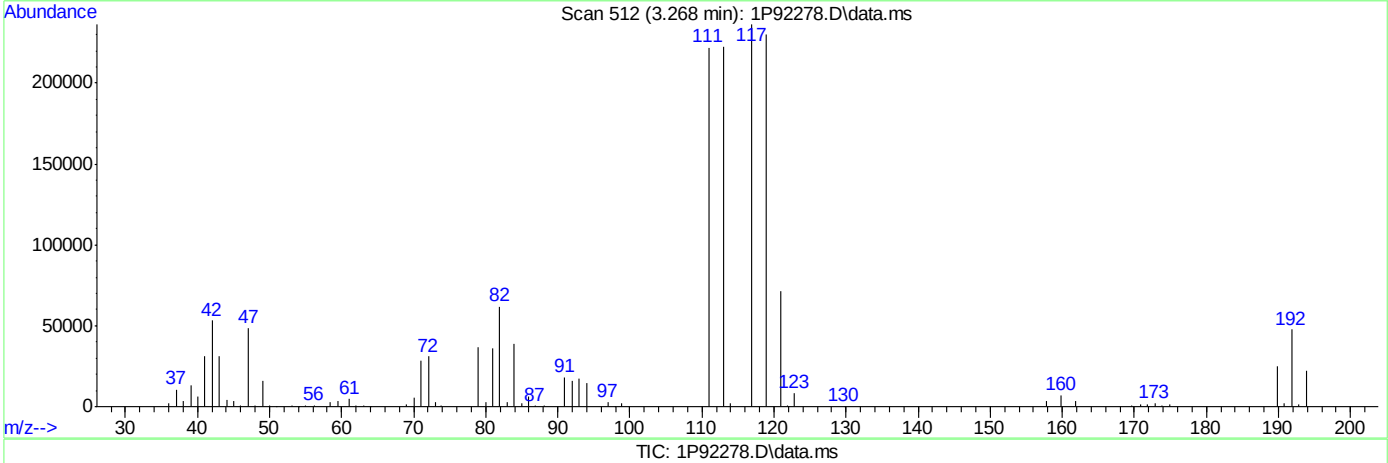
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.59	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92278.D
Acq On : 24 Aug 2022 1:52 pm
Operator : courtnef
Sample : ICV3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 14:46:41 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration





TIC: 1P92278.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (+0.002) 49.85ug/L

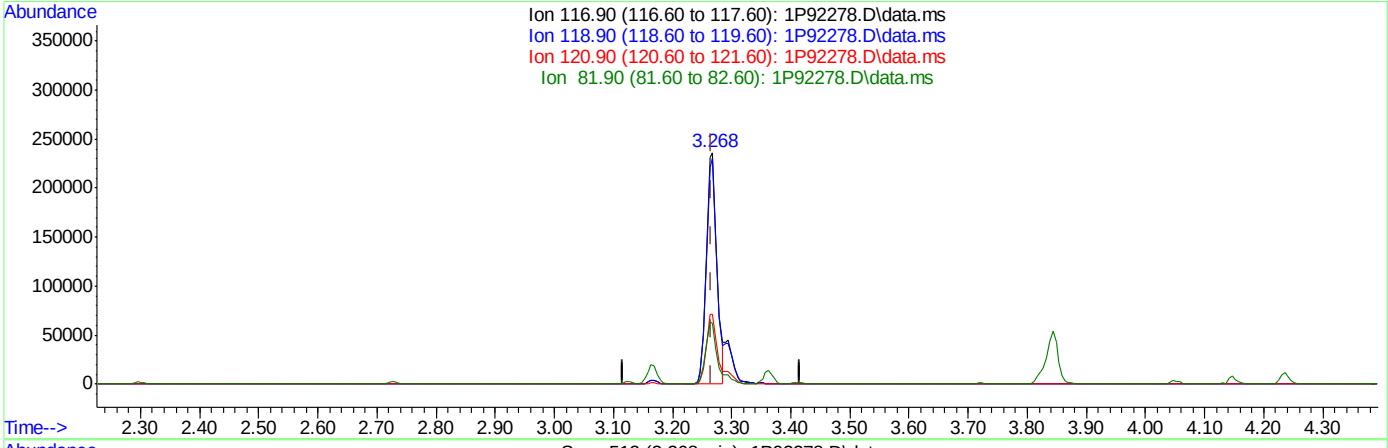
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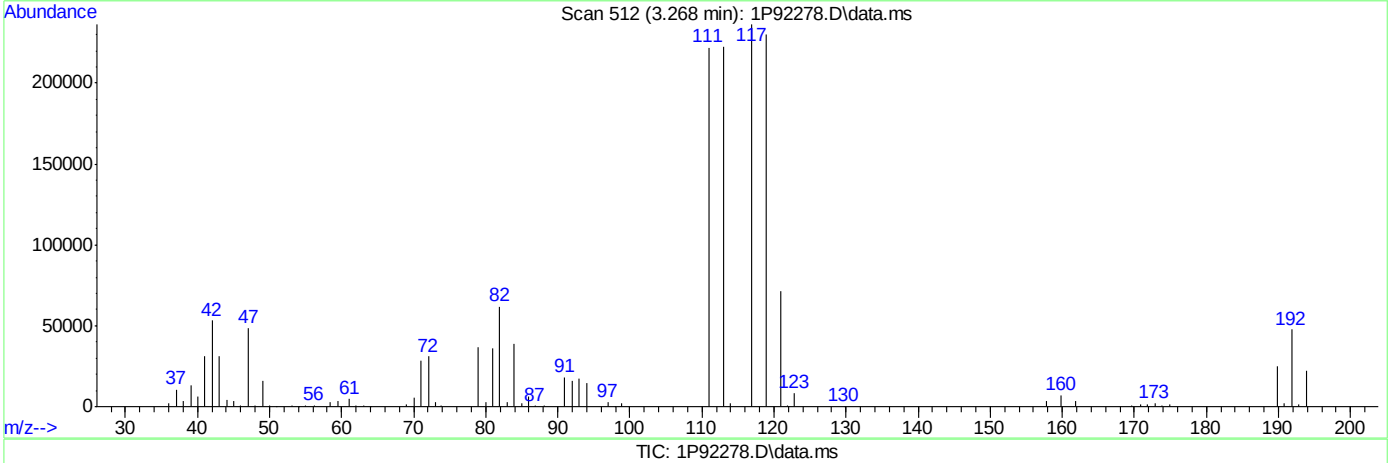
Ion	Exp%	Act%
116.90	100	100
118.90	93.30	97.51
120.90	30.70	30.17
81.90	26.50	26.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92278.D
Acq On : 24 Aug 2022 1:52 pm
Operator : courtnef
Sample : ICV3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 14:46:41 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration





TIC: 1P92278.D\data.ms

(40) Carbon Tetrachloride ( )

3.268min (+0.002) 42.98ug/L m

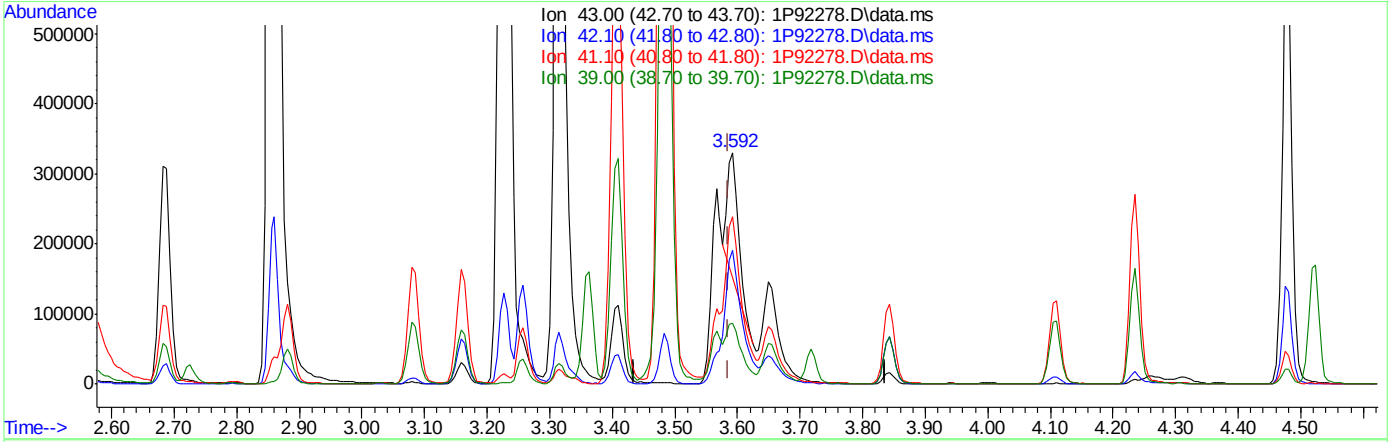
response 292078

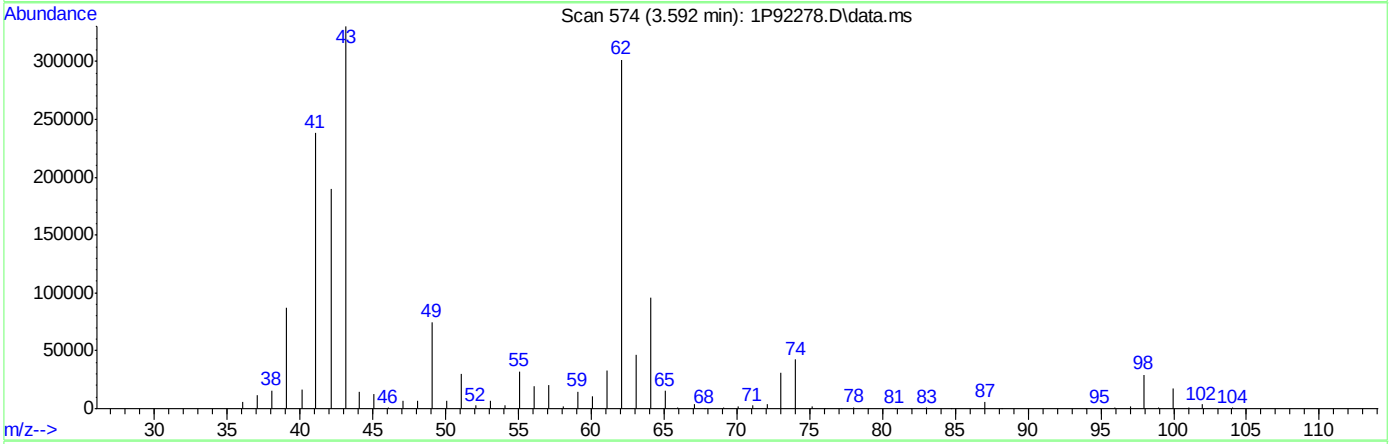
Ion	Exp%	Act%
116.90	100	100
118.90	93.30	97.51
120.90	30.70	30.17
81.90	26.50	26.23

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92278.D
Acq On : 24 Aug 2022 1:52 pm
Operator : courtnef
Sample : ICV3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 14:46:41 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration





TIC: 1P92278.D\data.ms

(50) Isobutyl alcohol

3.592min (+0.007) 191.80ug/L

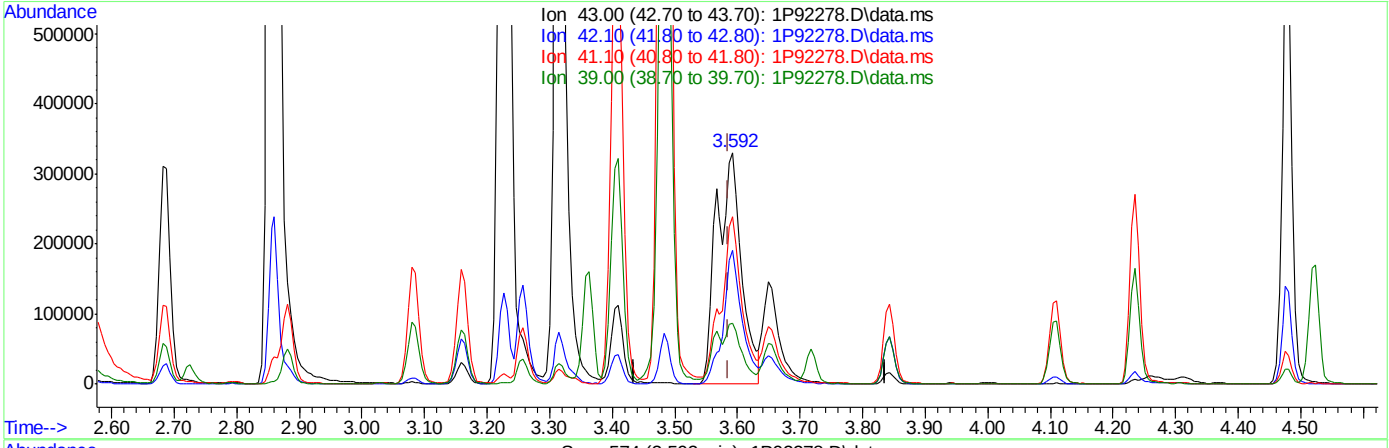
response 182821

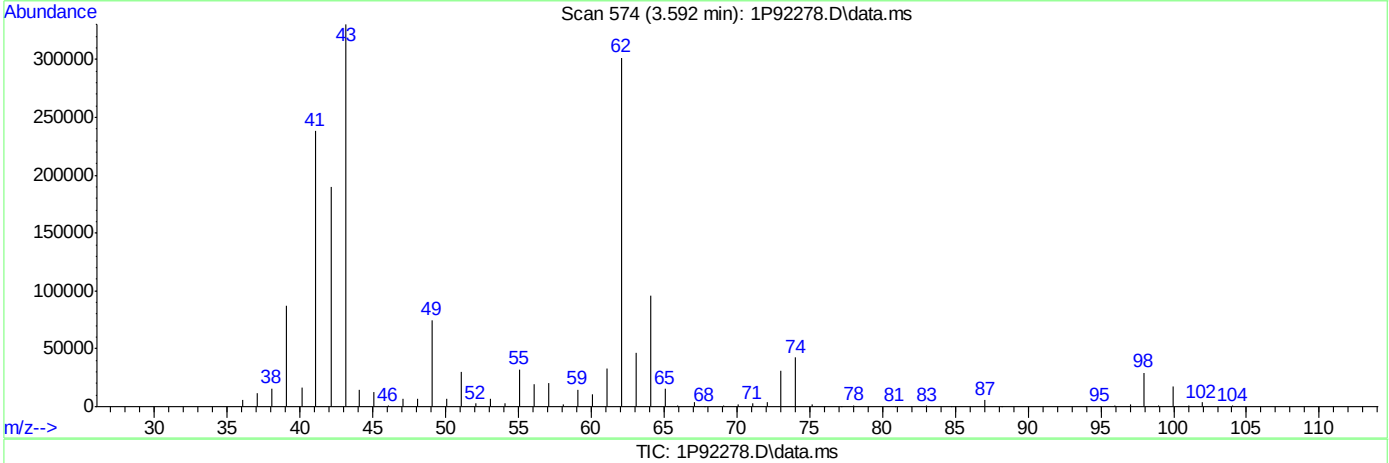
Ion	Exp%	Act%
43.00	100	100
42.10	57.70	57.73
41.10	72.00	71.56
39.00	27.20	25.76

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92278.D
Acq On : 24 Aug 2022 1:52 pm
Operator : courtnef
Sample : ICV3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 14:46:41 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration





TIC: 1P92278.D\data.ms

(50) Isobutyl alcohol

3.592min (+0.007) 965.75ug/L m

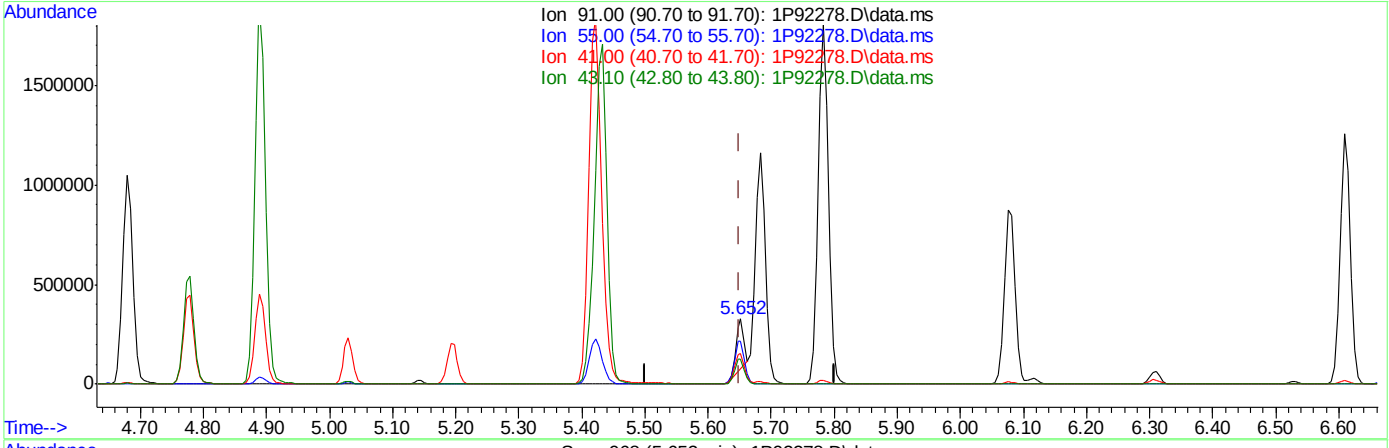
response 920560

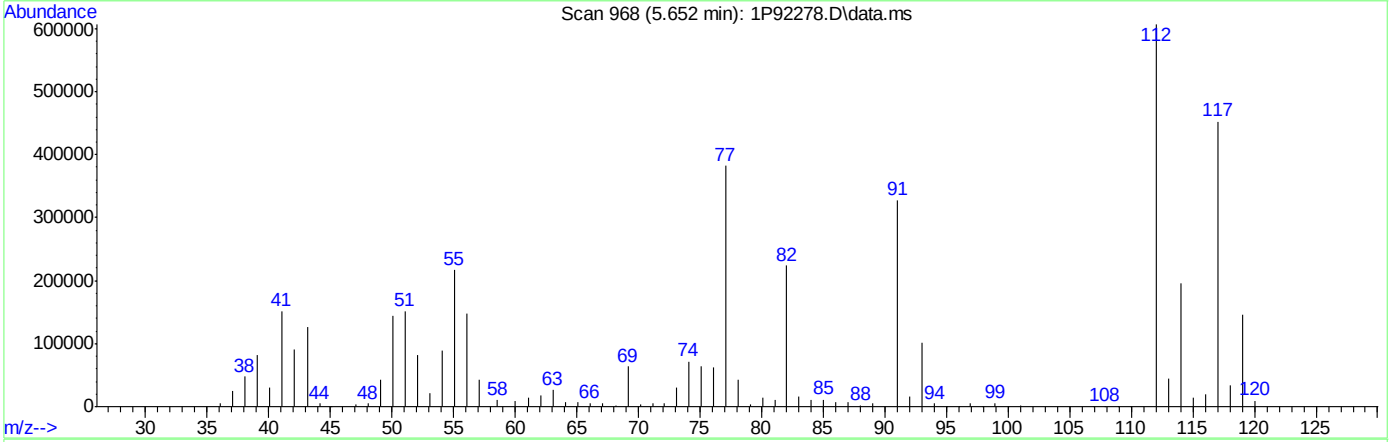
Ion	Exp%	Act%
43.00	100	100
42.10	57.70	57.59
41.10	72.00	72.10
39.00	27.20	26.29

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92278.D
Acq On : 24 Aug 2022 1:52 pm
Operator : courtnef
Sample : ICV3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 14:46:41 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration





TIC: 1P92278.D\data.ms

(76) 1-Chlorohexane

5.652min (+0.001) 28.25ug/L

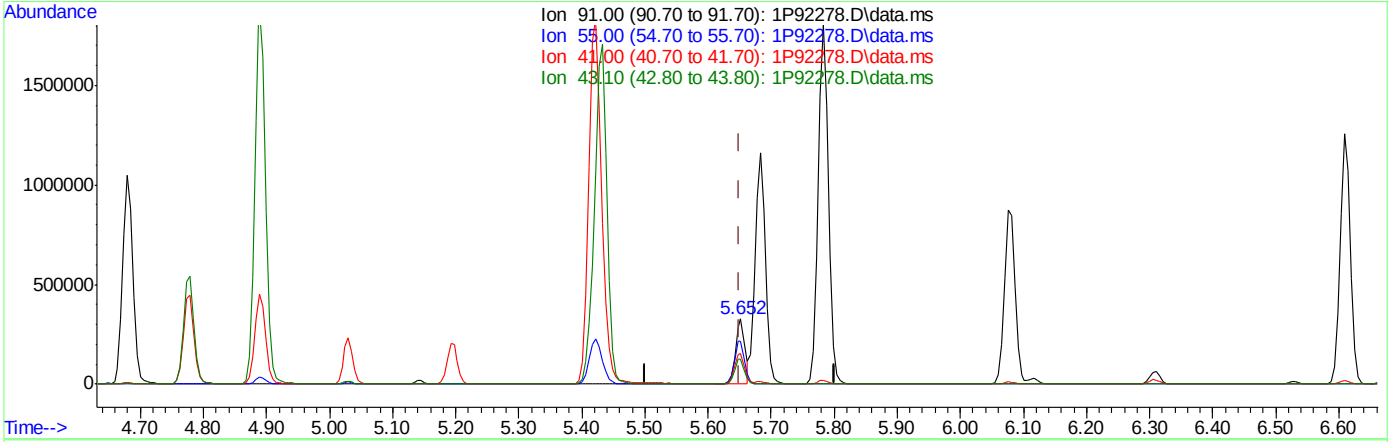
response 240257

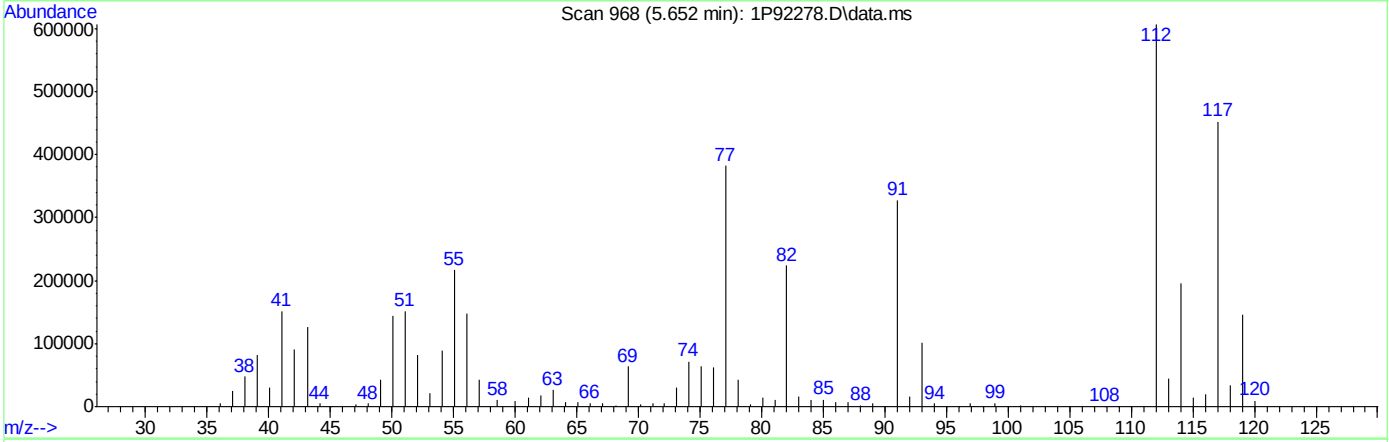
Ion	Exp%	Act%
91.00	100	100
55.00	72.50	63.93
41.00	52.10	44.78
43.10	41.30	37.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92278.D
Acq On : 24 Aug 2022 1:52 pm
Operator : courtnef
Sample : ICV3565-5
Misc : MS52202,V1P3565,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 14:46:41 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration





TIC: 1P92278.D\data.ms

(76) 1-Chlorohexane

5.652min (+0.001) 41.60ug/L m

response 353784

Ion	Exp%	Act%
91.00	100	100
55.00	72.50	66.11
41.00	52.10	46.47
43.10	41.30	38.51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92280.D
Acq On : 24 Aug 2022 2:24 pm
Operator : courtnef
Sample : ICV3565-4
Misc : MS52202,V1P3565,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 24 14:50:52 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

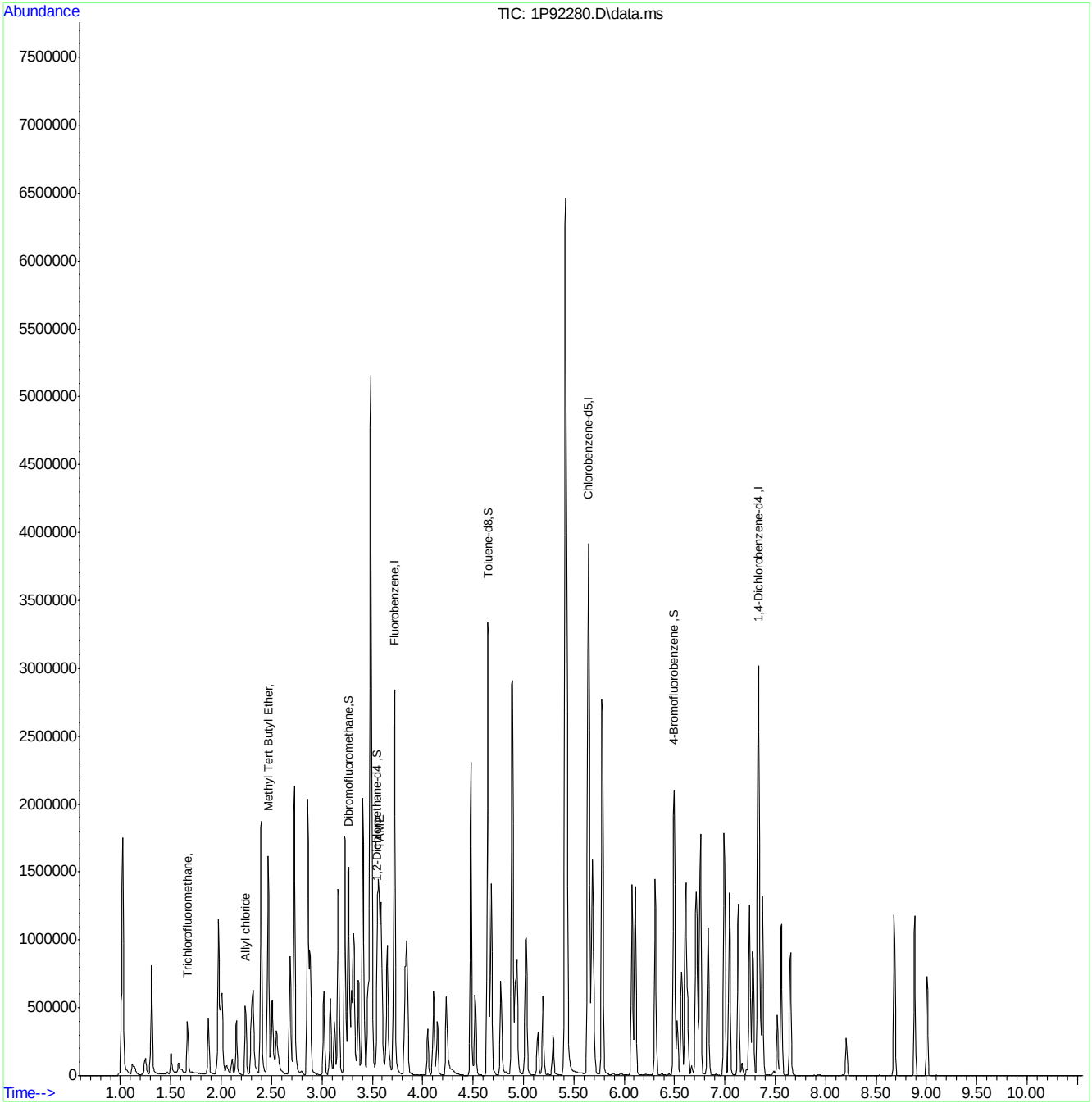
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.721	96	1577038	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	1080575	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	472867	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.260	113	342497	50.93	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.86%			
49) 1,2-Dichloroethane-d4	3.548	65	480162	51.06	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.12%			
63) Toluene-d8	4.646	98	1509451	49.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.46%			
86) 4-Bromofluorobenzene	6.497	174	373202	49.53	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.06%			
Target Compounds						Qvalue
8) Trichlorofluoromethane	1.666	101	181540	25.78	ug/L	99
17) Allyl chloride	2.241	41	172881	29.01	ug/L	97
23) Methyl Tert Butyl Ether	2.466	73	528835	28.01	ug/L	87
48) TAME	3.569	73	595987	31.83	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-24\
Data File : 1P92280.D
Acq On : 24 Aug 2022 2:24 pm
Operator : courtnef
Sample : ICV3565-4
Misc : MS52202,V1P3565,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 24 14:50:52 2022
Quant Method : C:\msdchem\1\METHODS\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/14/22 15:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:48:18 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	3.720	96	1462688	50.00	ug/L	0.00
62) Chlorobenzene-d5	5.644	117	1028002	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.332	152	462546	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	3.265	113	311901	50.00	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.00%			
49) 1,2-Dichloroethane-d4	3.553	65	436329	50.02	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.04%			
63) Toluene-d8	4.650	98	1408850	48.79	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.58%			
86) 4-Bromofluorobenzene	6.496	174	357001	48.44	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.122	85	155165	46.5205	ug/L	97
3) Chloromethane	1.247	50	152068	37.5355	ug/L	97
4) 1,3-butadiene	1.310	39	159060	38.0601	ug/L	99
5) Vinyl Chloride	1.299	62	203860	39.4268	ug/L	98
6) Bromomethane	1.503	94	42758	15.0359	ug/L	98
7) Chloroethane	1.576	64	60330	34.8362	ug/L	97
8) Trichlorofluoromethane	1.671	101	233470	41.2079	ug/L	97
9) Ethyl Ether	1.874	59	235784	43.3791	ug/L	94
10) Ethanol	1.953	45	88916m	700.1241	ug/L	
11) 1,2-Dichlorotrifluoroe...	1.968	67	239590	46.5781	ug/L	98
12) 1,1-Dichloroethene	1.974	61	287652	40.1486	ug/L	96
13) Freon 113	2.010	101	206563	46.3410	ug/L	96
14) Carbon Disulfide	1.995	76	426282	35.2326	ug/L	96
15) Iodomethane	2.052	142	58961	25.0228	ug/L	96
16) Acrolein	2.151	56	343661	193.9092	ug/L	99
17) Allyl chloride	2.240	41	186053	33.7456	ug/L	97
18) Methylene Chloride	2.298	49	239666	33.8513	ug/L	94
19) Acetone	2.314	43	563968	174.0933	ug/L	99
20) Methyl acetate	2.392	43	1351487	192.3819	ug/L	99
21) trans-1,2-Dichloroethene	2.397	61	286829	38.7371	ug/L	97
22) Hexane	2.465	56	173668	45.4985	ug/L	98
23) Methyl Tert Butyl Ether	2.465	73	702522	40.2094	ug/L	89
24) Tert Butyl Alcohol	2.502	59	705189	385.0998	ug/L	99
25) Acetonitrile	2.549	41	316341	310.8499	ug/L	98
26) Di-isopropyl ether	2.685	45	638809	41.3623	ug/L	97
27) Chloroprene	2.727	53	762618	36.2424	ug/L	99
28) 1,1-Dichloroethane	2.727	63	376040	39.1788	ug/L	98
29) Acrylonitrile	2.727	52	593950	180.1781	ug/L	99
30) ETBE	2.878	59	739881	40.6554	ug/L	98
31) Vinyl acetate	2.857	43	2402195	192.5448	ug/L	99
32) cis-1,2-Dichloroethene	3.019	96	222910	38.6897	ug/L	98
33) 2,2-Dichloropropane	3.082	77	290140	37.3947	ug/L	99
34) Bromochloromethane	3.124	128	97451	38.8440	ug/L	98
35) Cyclohexane	3.160	56	369135	42.0269	ug/L	98
36) Chloroform	3.166	83	382384	39.5231	ug/L	99
37) Ethyl acetate	3.223	43	1743383	187.5032	ug/L	99
38) Tetrahydrofuran	3.255	42	138072	37.8391	ug/L	95
40) Carbon Tetrachloride	3.265	117	236535m	38.0836	ug/L	
41) 1,1,1-Trichloroethane	3.291	97	324818	39.6734	ug/L	98
42) 2-Butanone	3.312	43	991039	176.6330	ug/L	99
43) 1,1-Dichloropropene	3.364	75	284330	39.2548	ug/L	97
44) tert-Butyl formate	3.406	59	805263	188.0624	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:48:18 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) Propionitrile	3.458	54	618896	363.5487 ug/L	99
46) Methacrylonitrile	3.485	41	1816218	371.4859 ug/L	98
47) Benzene	3.495	78	903645	39.2967 ug/L	80
48) TAME	3.568	73	666169	38.3764 ug/L	97
50) Isobutyl alcohol	3.584	43	685220m	781.0712 ug/L	
51) 1,2-Dichloroethane	3.589	62	318001	38.3873 ug/L	99
52) Tert Amyl Alcohol	3.647	59	612056	409.3435 ug/L	97
53) Trichloroethene	3.824	95	222052	38.7476 ug/L	99
54) Methylcyclohexane	3.845	83	355919	44.1459 ug/L	98
55) Dibromomethane	4.049	93	132123	41.1812 ug/L	95
56) 1,2-Dichloropropane	4.107	63	226158	40.3792 ug/L	97
57) Bromodichloromethane	4.143	83	243782	38.6259 ug/L	98
58) Methyl methacrylate	4.232	41	233153	38.5683 ug/L	97
59) 1,4-Dioxane	4.258	88	102607	707.4062 ug/L	97
60) 2-Chloroethyl vinyl ether	4.478	63	917225	196.2274 ug/L	99
61) cis-1,3-Dichloropropene	4.520	75	307637	38.1075 ug/L	97
64) Toluene	4.682	91	956662	37.5777 ug/L	99
65) 2-Nitropropane	4.776	41	378561	181.8985 ug/L	99
66) 4-Methyl-2-pentanone	4.891	43	1781585	183.5302 ug/L	98
67) trans-1,3-Dichloropropene	4.917	75	288223	37.0164 ug/L	98
68) Tetrachloroethene	4.938	166	215161	39.7608 ug/L	95
69) Ethyl methacrylate	5.027	69	333990	35.4724 ug/L	95
70) 1,1,2-Trichloroethane	5.016	83	168511	39.2893 ug/L	95
71) Dibromochloromethane	5.142	129	186151	39.6546 ug/L	98
72) 1,3-Dichloropropane	5.194	76	367514	38.2100 ug/L	97
73) 1,2-Dibromoethane	5.293	107	210666	40.0735 ug/L	97
74) 3,3-dimethyl-1-butanol	5.419	57	3573879	1850.8013 ug/L	99
75) 2-hexanone	5.429	43	1907884	185.0013 ug/L	92
76) 1-Chlorohexane	5.649	91	306226m	37.2029 ug/L	
77) Ethylbenzene	5.686	91	1033515	37.7782 ug/L	99
78) Chlorobenzene	5.654	112	577410	38.4999 ug/L	100
79) 1,1,1,2-Tetrachloroethane	5.696	131	188635	38.7076 ug/L	99
80) m,p-Xylene	5.785	91	1627933	75.5230 ug/L	97
81) o-Xylene	6.078	91	825372	38.8613 ug/L	99
82) Styrene	6.109	104	641896	37.9157 ug/L	98
83) Bromoform	6.120	173	96879	39.7472 ug/L	96
84) Isopropylbenzene	6.308	105	947119	39.1405 ug/L	98
87) cis-1,4-Dichloro-2-butene	6.527	53	85263	29.9433 ug/L	98
88) n-Propylbenzene	6.611	91	1107542	37.2431 ug/L	96
89) Bromobenzene	6.569	156	228285	37.5944 ug/L	94
90) 1,1,2,2-Tetrachloroethane	6.632	83	309451	39.0157 ug/L	99
91) 1,3,5-Trimethylbenzene	6.757	105	770995	37.5757 ug/L	100
92) 2-Chlorotoluene	6.716	91	657268	37.0016 ug/L	96
93) trans-1,4-Dichloro-2-B...	6.757	53	106808	31.0467 ug/L	99
94) 1,2,3-Trichloropropane	6.726	110	113292	38.3938 ug/L	98
95) Cyclohexanone	6.742	55	103365	186.1721 ug/L	98
96) 4-Chlorotoluene	6.836	91	682488	36.7670 ug/L	97
97) tert-Butylbenzene	6.993	91	421728	37.1244 ug/L	98
99) 1,2,4-Trimethylbenzene	7.045	105	756779	38.1701 ug/L	99
100) Pentachloroethane	6.998	167	95516	35.2971 ug/L #	90
101) sec-Butylbenzene	7.134	105	851568	37.2920 ug/L	98
102) 4-Isopropyltoluene	7.244	119	759581	37.6198 ug/L	99
103) 1,3-Dichlorobenzene	7.275	146	404566	38.0758 ug/L	99
104) 1,2,3-Trimethylbenzene	7.374	105	371683	18.0702 ug/L	100
105) 1,4-Dichlorobenzene	7.343	146	419560	38.0084 ug/L	99
106) n-Butylbenzene	7.562	92	358898	38.2368 ug/L	94
107) Benzyl Chloride	7.521	126	87593	35.8081 ug/L #	91
108) 1,2-Dichlorobenzene	7.651	146	383211	38.4776 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:48:18 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

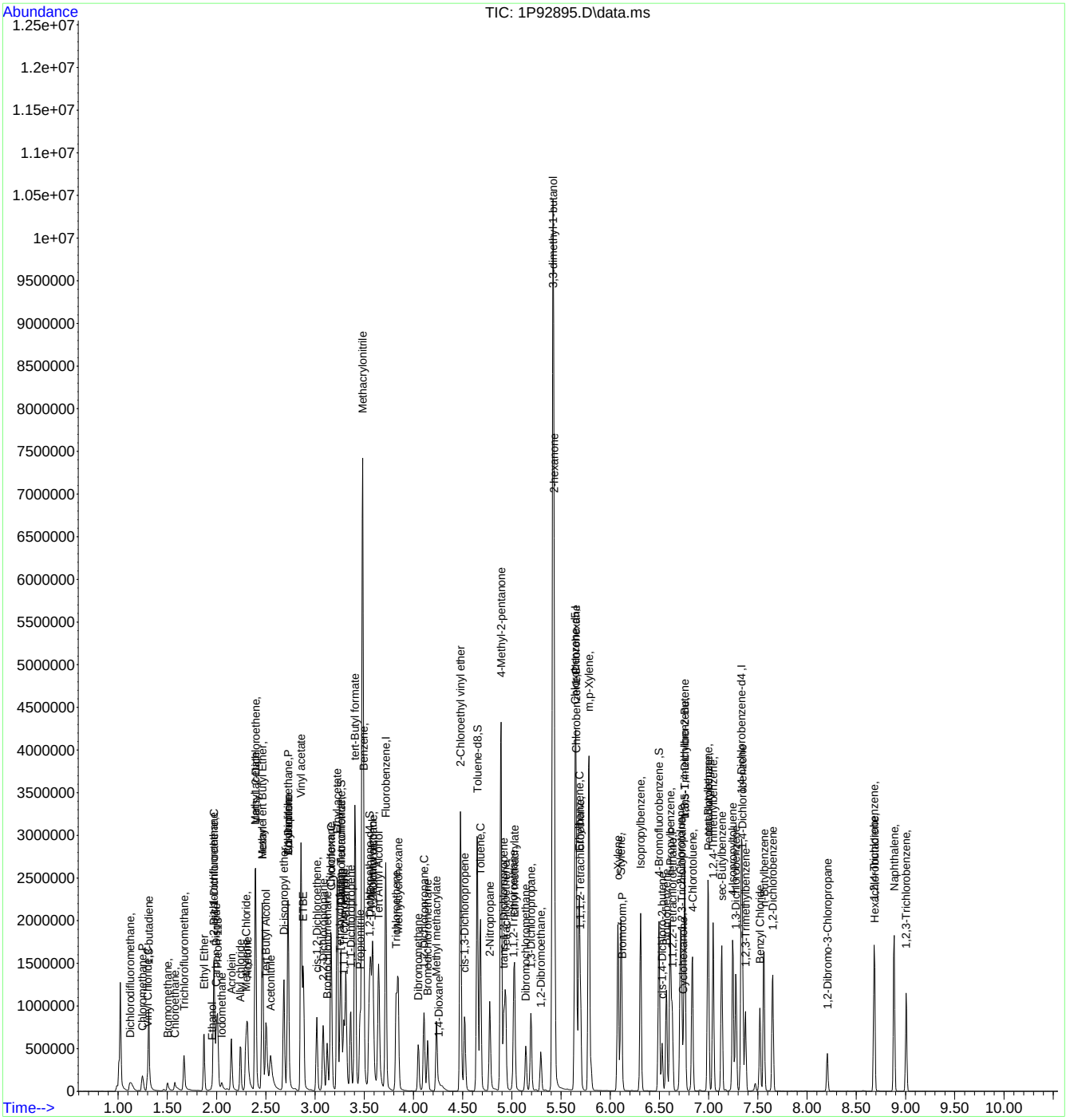
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.205	75	67078	36.8433	ug/L	98
110) Hexachlorobutadiene	8.686	225	75741	38.3138	ug/L	95
111) 1,2,4-Trichlorobenzene	8.681	180	216636	39.1816	ug/L	96
112) Naphthalene	8.885	128	869907	38.0204	ug/L	100
113) 1,2,3-Trichlorobenzene	9.005	180	210792	40.4657	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:48:18 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration



Manual Integration Approval Summary

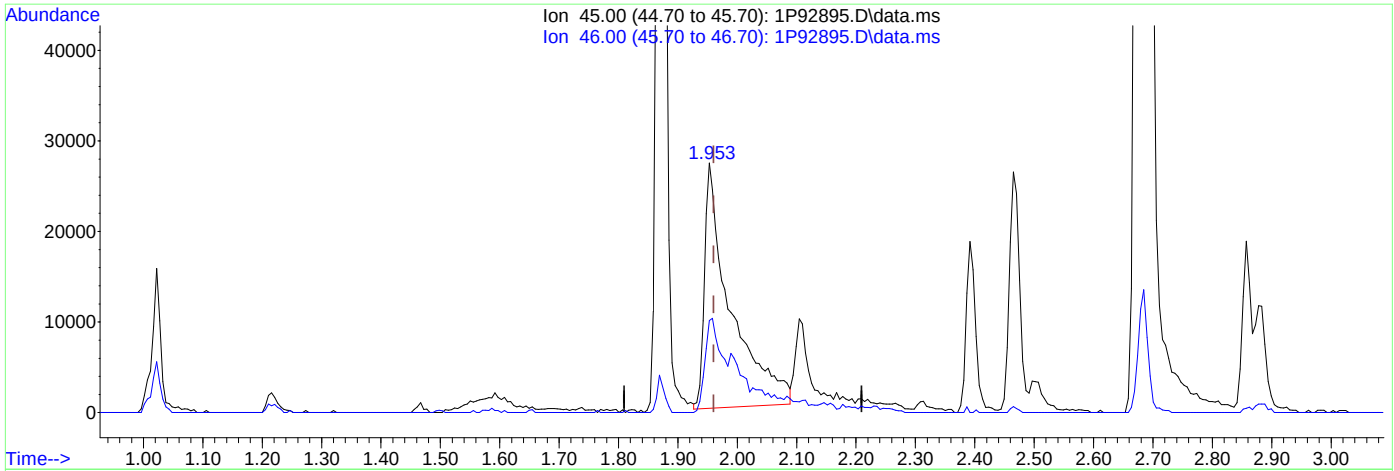
Sample Number: V1P3579-CC3565
Lab FileID: 1P92895.D
Injection Time: 09/13/22 11:04
Method: SW846 8260D
Analyst approved: 09/14/22 02:28 John Matthew de Guzman
Supervisor approved: 09/14/22 15:59 Karen Watson

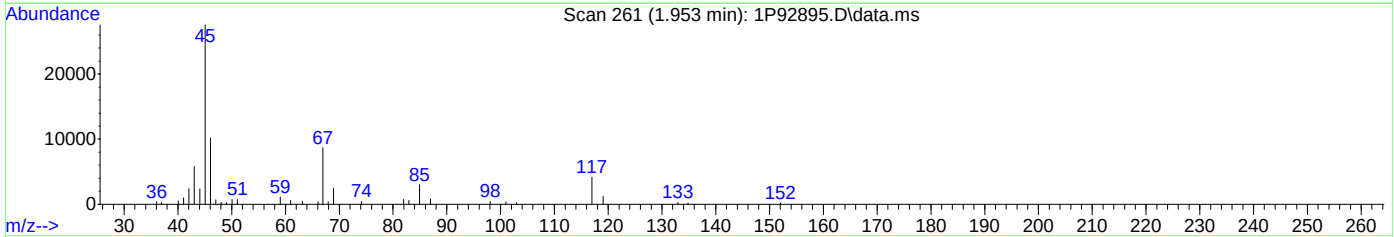
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.95	Poor instrument integration
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

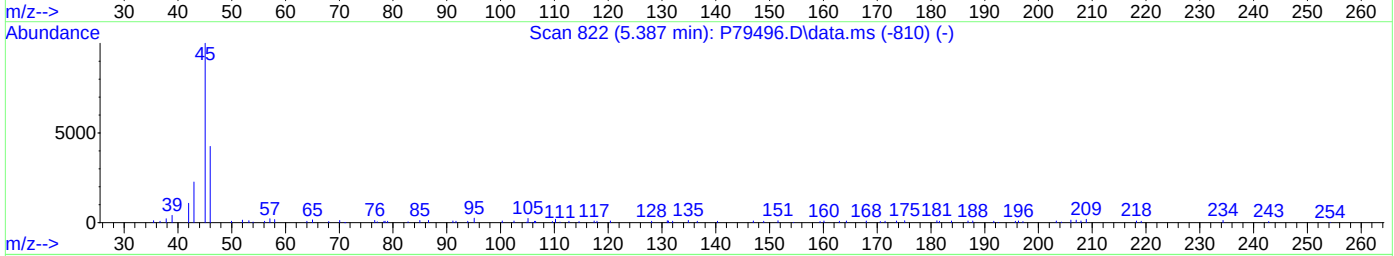
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:33:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92895.D\data.ms

(10) Ethanol

1.953min (-0.007) 649.51ug/L

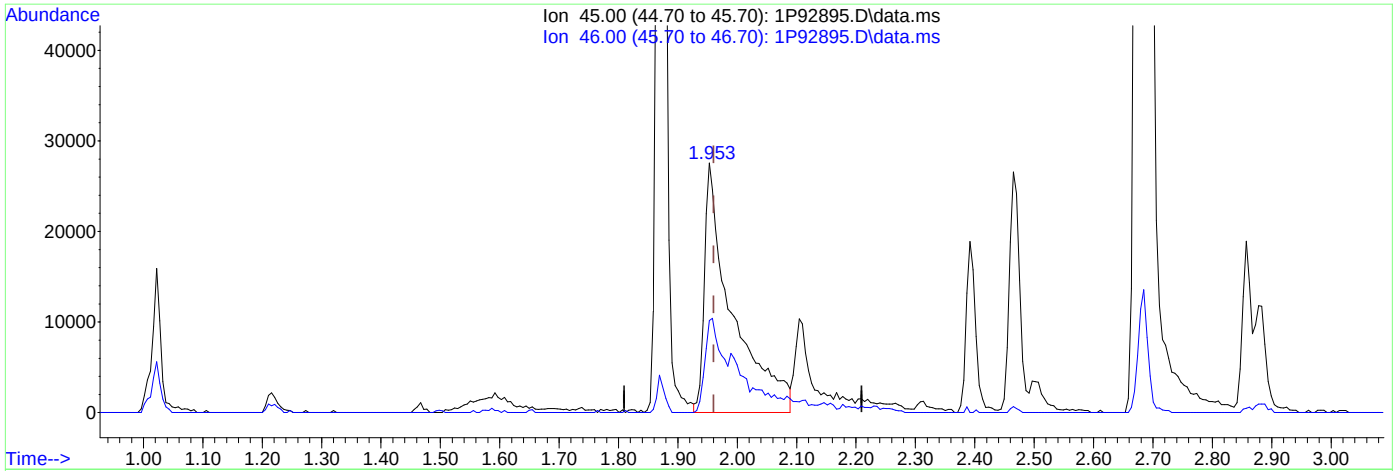
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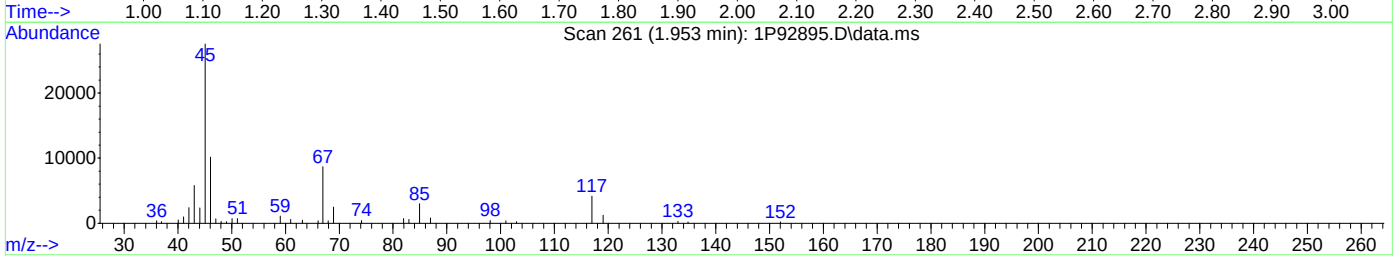
Ion	Exp%	Act%
45.00	100	100
46.00	41.40	38.11
0.00	0.00	0.00
0.00	0.00	0.00

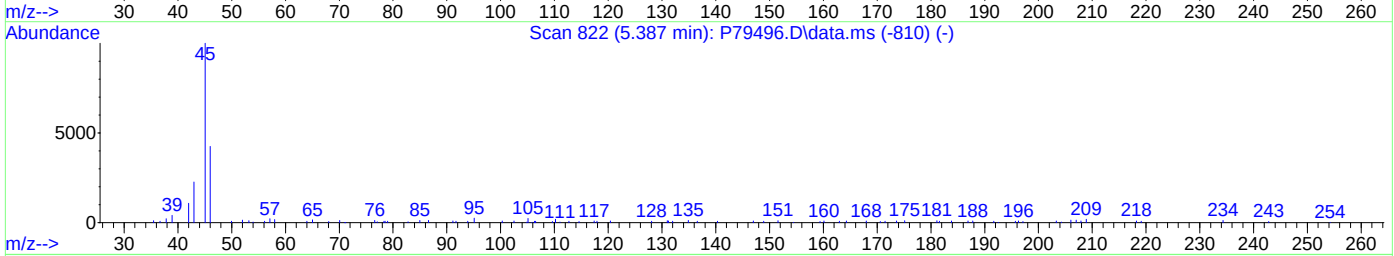
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:33:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92895.D\data.ms

(10) Ethanol

1.953min (-0.007) 700.12ug/L m

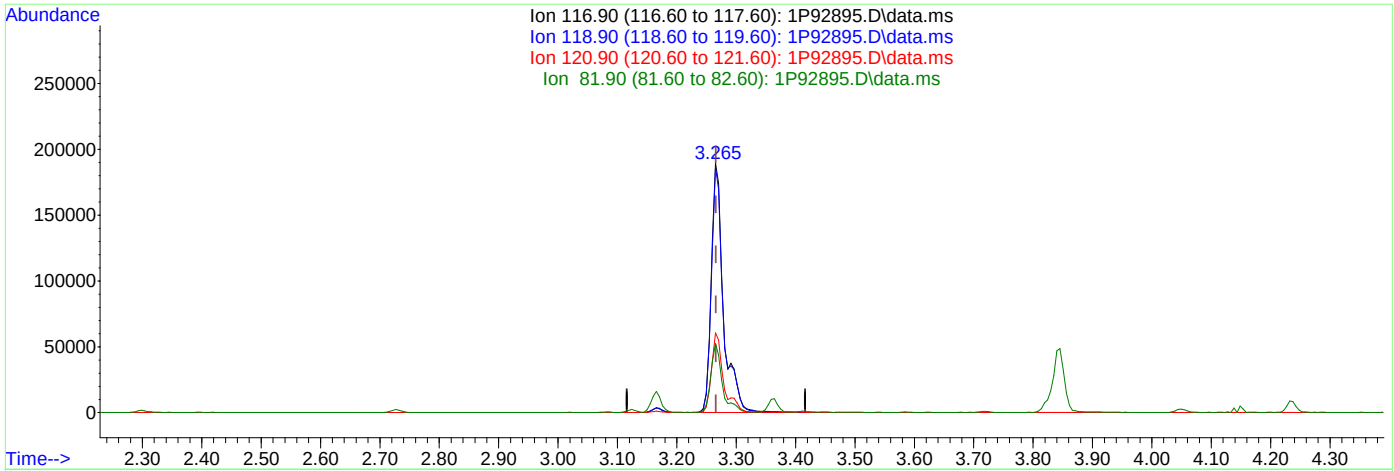
response 88916

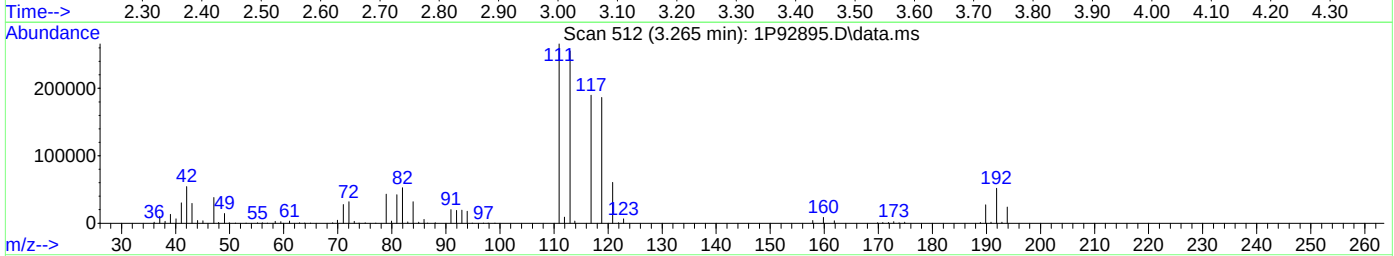
Ion	Exp%	Act%
45.00	100	100
46.00	41.40	36.81
0.00	0.00	0.00
0.00	0.00	0.00

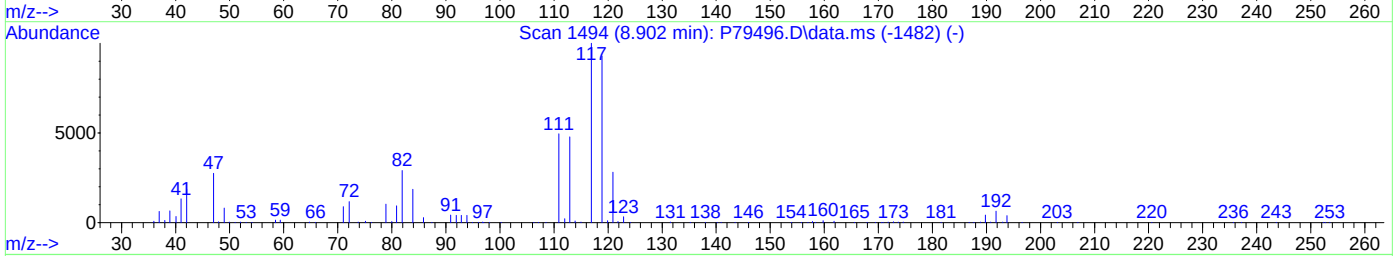
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:33:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92895.D\data.ms

(40) Carbon Tetrachloride ( )

3.265min (-0.001) 43.88ug/L

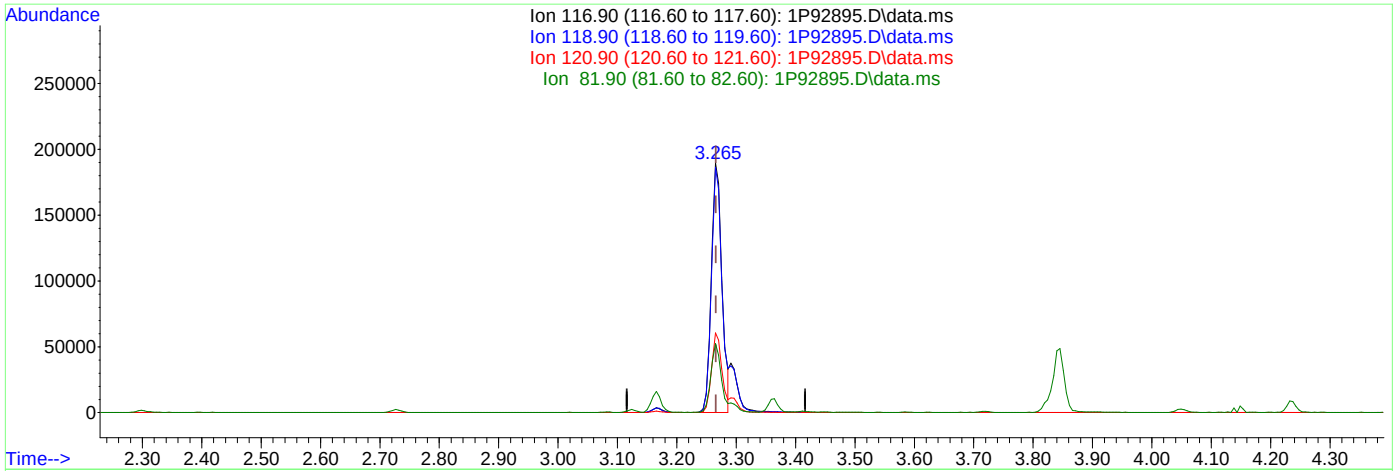
response 274794

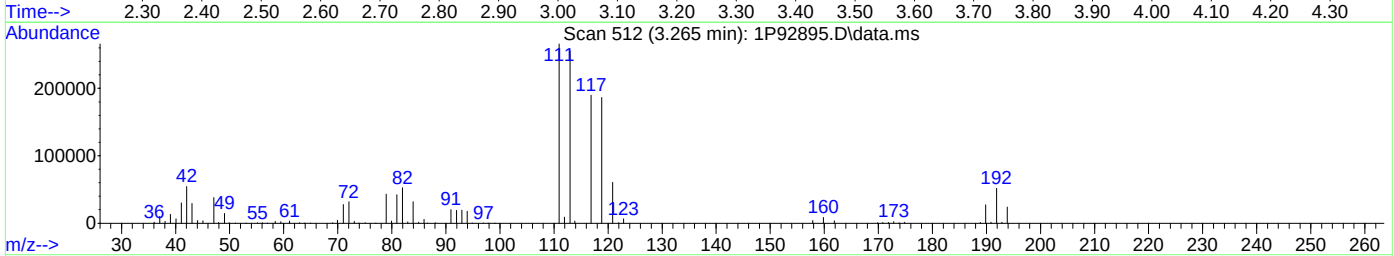
Ion	Exp%	Act%
116.90	100	100
118.90	93.30	98.21
120.90	30.70	31.97
81.90	26.50	27.50

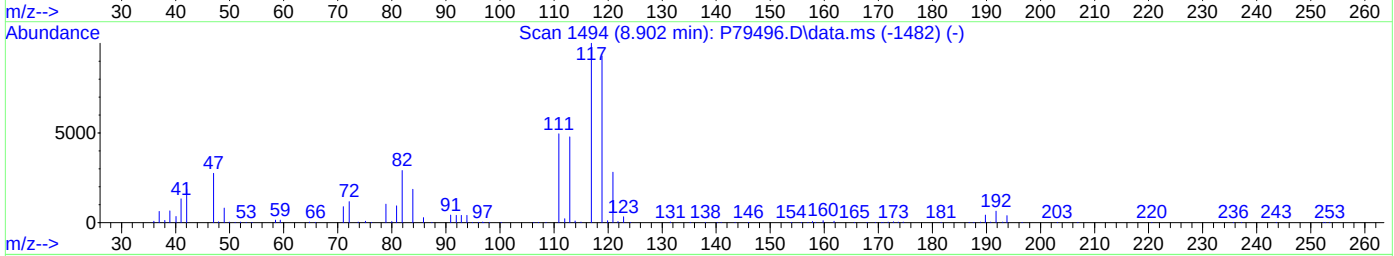
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:33:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92895.D\data.ms

(40) Carbon Tetrachloride ( )

3.265min (-0.001) 38.08ug/L m

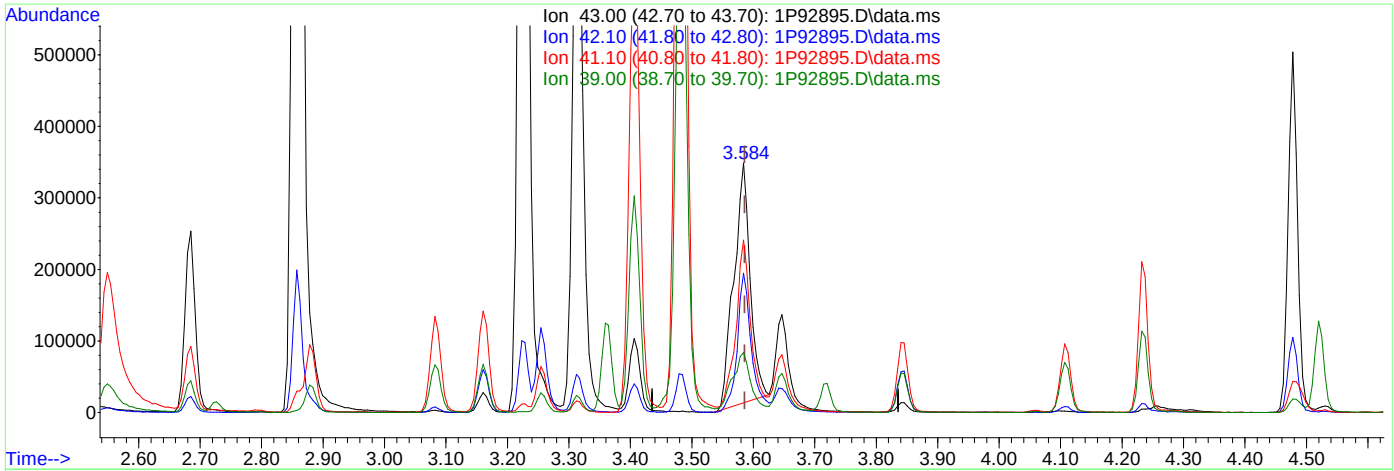
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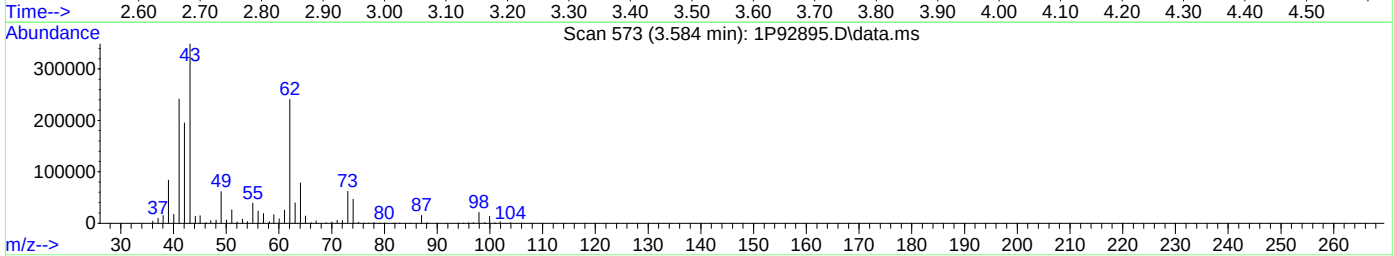
Ion	Exp%	Act%
116.90	100	100
118.90	93.30	98.21
120.90	30.70	31.97
81.90	26.50	27.65

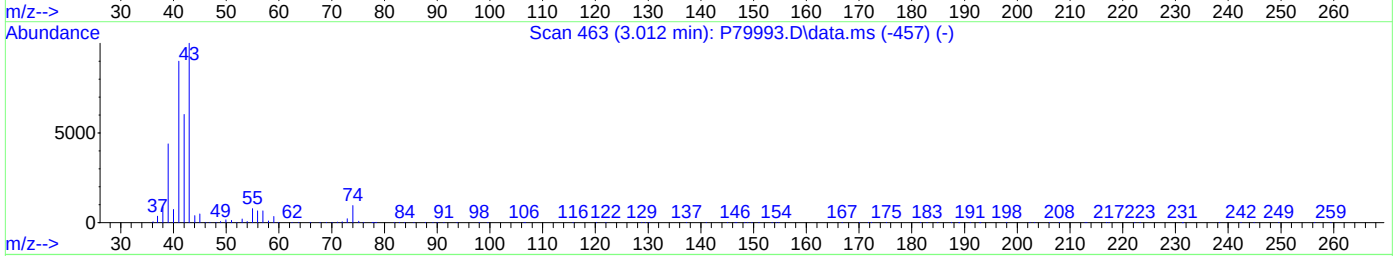
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:33:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92895.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.002) 705.11ug/L

response 618582

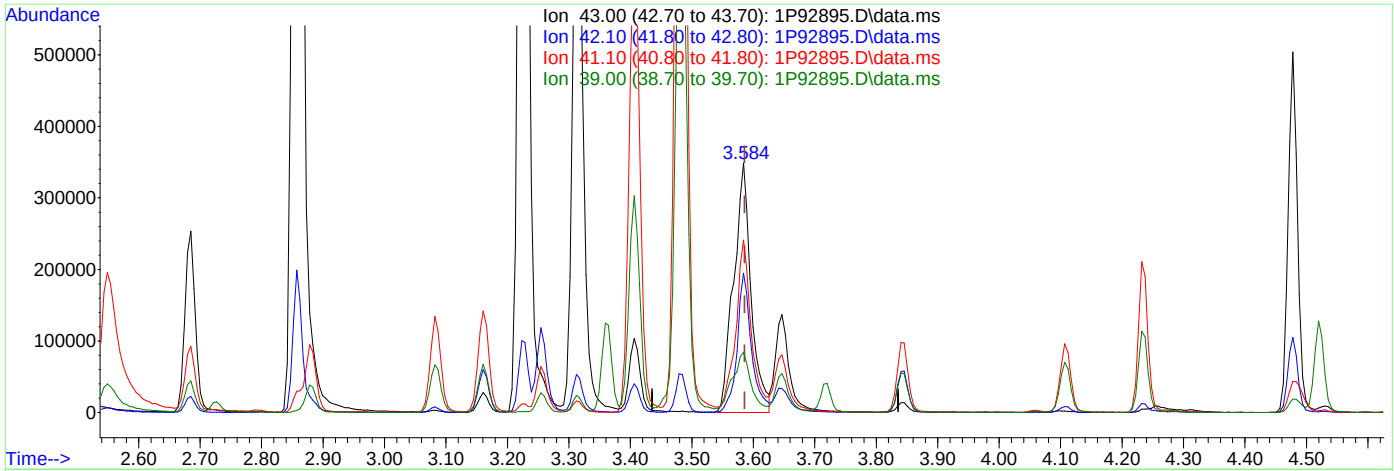
Ion	Exp%	Act%
43.00	100	100
42.10	57.70	55.77
41.10	72.00	66.91
39.00	27.20	22.56

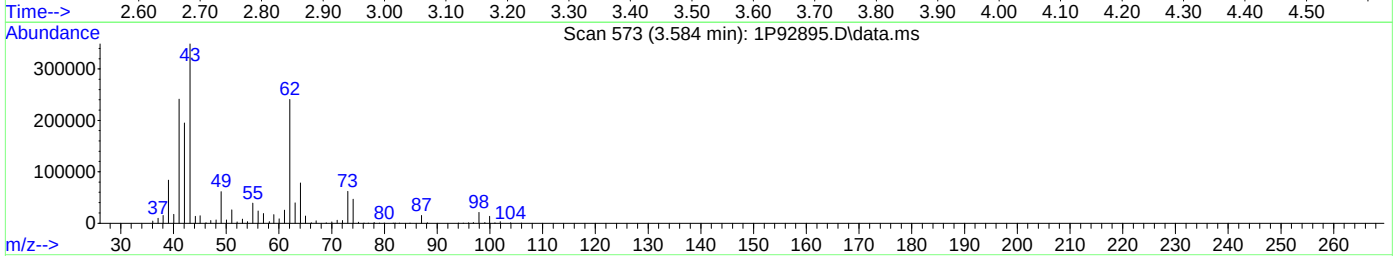
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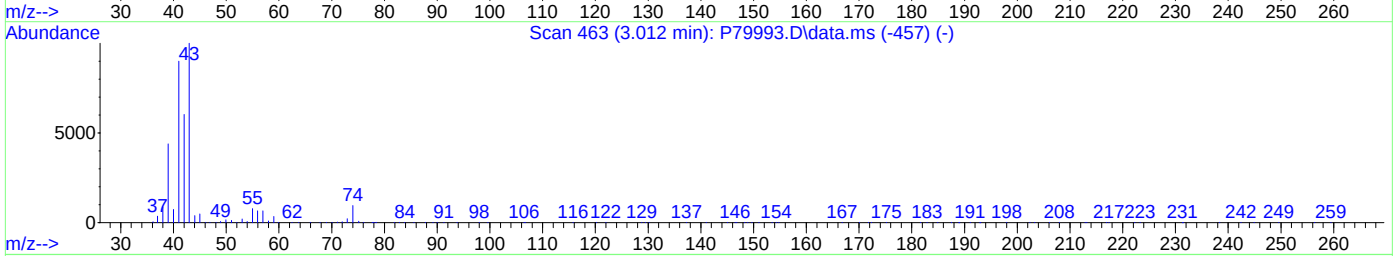
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:33:28 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92895.D\data.ms

(50) Isobutyl alcohol

3.584min (-0.002) 781.07ug/L m

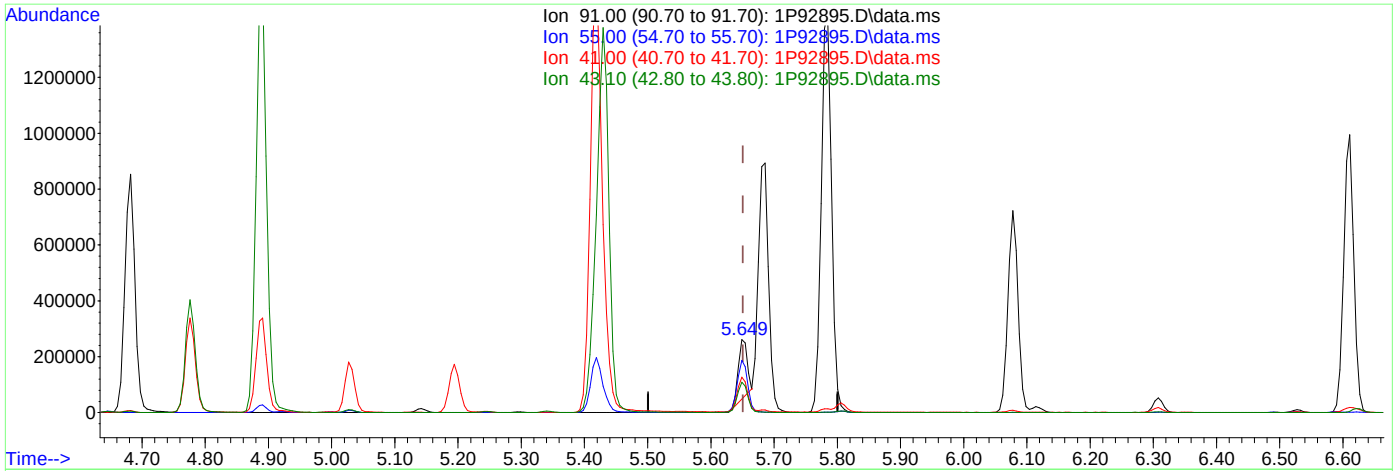
response 685220

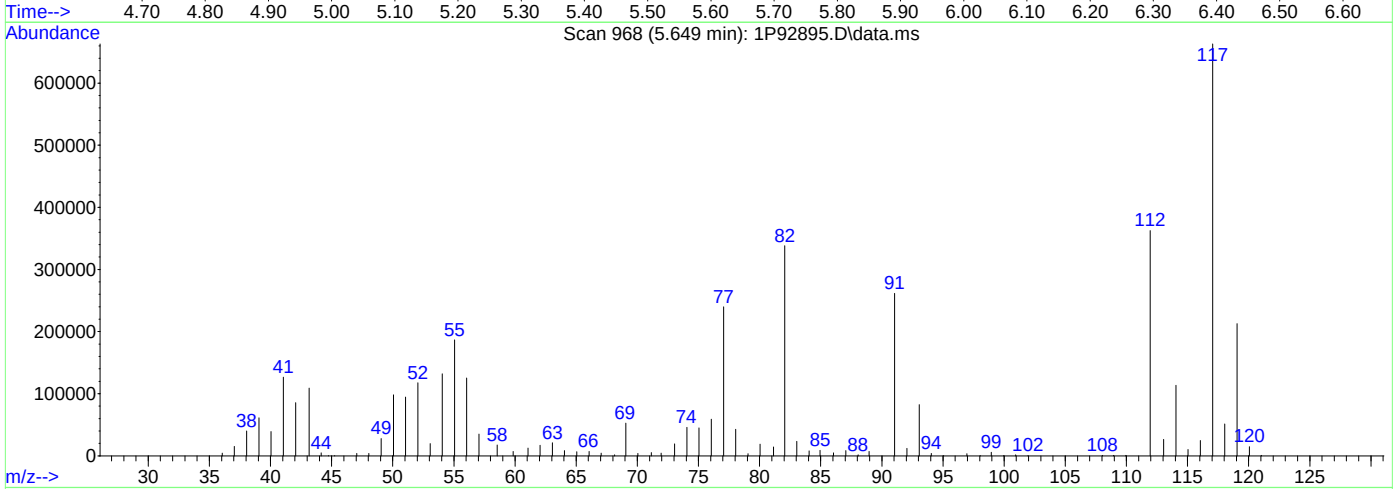
Ion	Exp%	Act%
43.00	100	100
42.10	57.70	55.81
41.10	72.00	69.08
39.00	27.20	24.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:46:40 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration





TIC: 1P92895.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 26.02ug/L

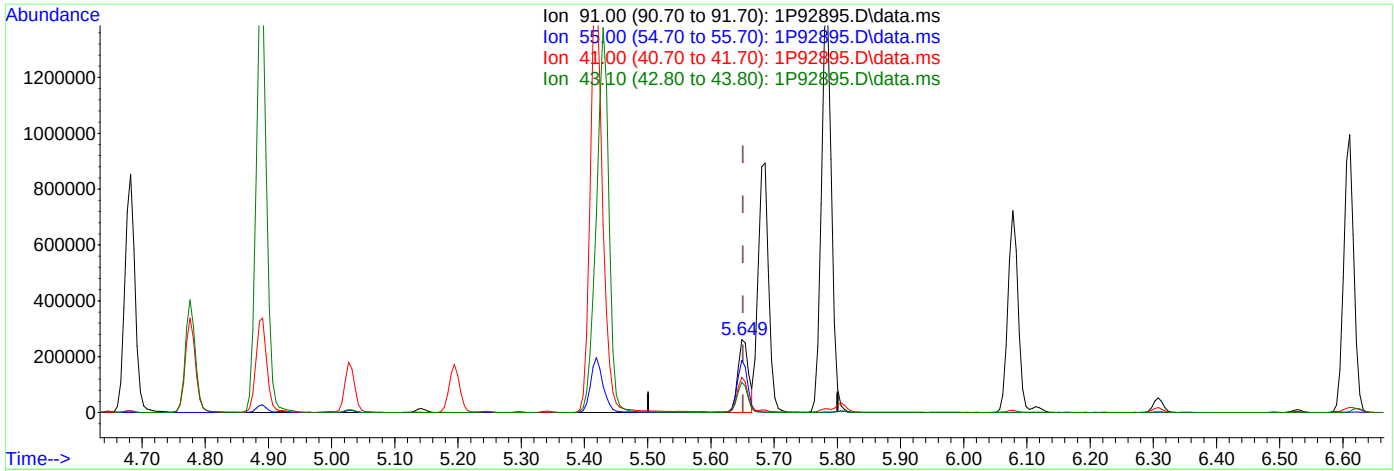
response 214172

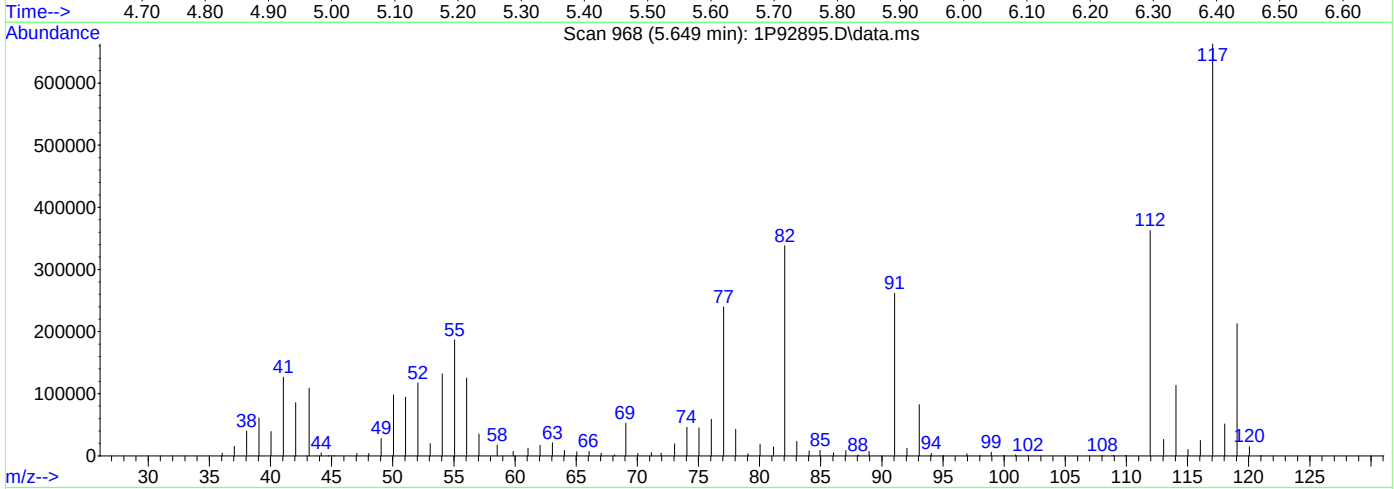
Ion	Exp%	Act%
91.00	100	100
55.00	72.50	68.28
41.00	52.10	45.90
43.10	41.30	40.18

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92895.D
Acq On : 13 Sep 2022 11:04 am
Operator : lindsayr
Sample : cc3565-5 Inst : MSVOA13
Misc : MS52362,V1P3579,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 05:46:40 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration





TIC: 1P92895.D\data.ms

(76) 1-Chlorohexane

5.649min (-0.002) 37.20ug/L m

response 306226

Ion	Exp%	Act%
91.00	100	100
55.00	72.50	71.37
41.00	52.10	48.39
43.10	41.30	41.63

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/14/22 15:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92939.D
Acq On : 13 Sep 2022 10:57 pm
Operator : lindsayr
Sample : ECC3565-5 Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 14 06:09:04 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	3.721	96	1523086	50.00 ug/L	0.00
62) Chlorobenzene-d5	5.644	117	1076620	50.00 ug/L	0.00
85) 1,4-Dichlorobenzene-d4	7.333	152	489487	50.00 ug/L	0.00
System Monitoring Compounds					
39) Dibromofluoromethane	3.260	113	323903	49.87 ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.74%	
49) 1,2-Dichloroethane-d4	3.548	65	449959	49.54 ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	99.08%	
63) Toluene-d8	4.646	98	1472996	48.71 ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	97.42%	
86) 4-Bromofluorobenzene	6.497	174	380158	48.74 ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	97.48%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.133	85	170797	49.1765 ug/L	94
3) Chloromethane	1.248	50	170727	40.4701 ug/L	98
4) 1,3-butadiene	1.305	39	162986	37.4530 ug/L	98
5) Vinyl Chloride	1.295	62	223180	41.4517 ug/L	99
6) Bromomethane	1.499	94	30326	10.0671 ug/L	92
7) Chloroethane	1.572	64	66538	37.3353 ug/L	96
8) Trichlorofluoromethane	1.666	101	227970	37.1461 ug/L	100
9) Ethyl Ether	1.870	59	246713	43.5898 ug/L	96
10) Ethanol	1.953	45	97230m	735.2291 ug/L	
11) 1,2-Dichlorotrifluoroe...	1.969	67	251399	46.9402 ug/L	99
12) 1,1-Dichloroethene	1.974	61	305288	40.9204 ug/L	98
13) Freon 113	2.006	101	200178	43.1277 ug/L	99
14) Carbon Disulfide	1.990	76	480571	38.0042 ug/L	96
15) Iodomethane	2.048	142	32828	13.6235 ug/L	98
16) Acrolein	2.147	56	325345	176.2948 ug/L	100
17) Allyl chloride	2.241	41	191438	33.3383 ug/L	96
18) Methylene Chloride	2.293	49	272584	37.4242 ug/L	96
19) Acetone	2.309	43	583375	172.8651 ug/L	99
20) Methyl acetate	2.393	43	1452075	198.5037 ug/L	100
21) trans-1,2-Dichloroethene	2.393	61	309364	40.1237 ug/L	94
22) Hexane	2.461	56	164598	41.4123 ug/L	97
23) Methyl Tert Butyl Ether	2.466	73	763550	41.9834 ug/L	92
24) Tert Butyl Alcohol	2.502	59	807399	423.4315 ug/L	96
25) Acetonitrile	2.549	41	327893	309.4245 ug/L	99
26) Di-isopropyl ether	2.680	45	695585	43.2525 ug/L	98
27) Chloroprene	2.722	53	785037	35.8284 ug/L	99
28) 1,1-Dichloroethane	2.727	63	403805	40.4033 ug/L	100
29) Acrylonitrile	2.722	52	614855	179.1233 ug/L	97
30) ETBE	2.879	59	805660	42.5143 ug/L	99
31) Vinyl acetate	2.858	43	2408759	185.4147 ug/L	98
32) cis-1,2-Dichloroethene	3.020	96	241295	40.2199 ug/L	99
33) 2,2-Dichloropropane	3.083	77	271023	33.7023 ug/L	98
34) Bromochloromethane	3.125	128	105435	40.3599 ug/L	96
35) Cyclohexane	3.161	56	385198	42.1166 ug/L	98
36) Chloroform	3.166	83	412039	40.8994 ug/L	97
37) Ethyl acetate	3.224	43	1798220	185.7317 ug/L	98
38) Tetrahydrofuran	3.255	42	144382	37.9993 ug/L	96
40) Carbon Tetrachloride	3.266	117	257806m	39.7675 ug/L	
41) 1,1,1-Trichloroethane	3.292	97	351624	41.2444 ug/L	98
42) 2-Butanone	3.313	43	1042631	178.5935 ug/L	99
43) 1,1-Dichloropropene	3.360	75	305344	40.4843 ug/L	98
44) tert-Butyl formate	3.407	59	869433	194.3932 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92939.D
Acq On : 13 Sep 2022 10:57 pm
Operator : lindsayr
Sample : ECC3565-5 Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 14 06:09:04 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	3.459	54	642921	362.6851	ug/L		100
46) Methacrylonitrile	3.480	41	1869081	367.1384	ug/L		98
47) Benzene	3.491	78	964811	40.2929	ug/L		96
48) TAME	3.564	73	726745	40.2113	ug/L		97
50) Isobutyl alcohol	3.585	43	742969m	813.3146	ug/L		
51) 1,2-Dichloroethane	3.590	62	331575	38.4386	ug/L		99
52) Tert Amyl Alcohol	3.647	59	683017	438.6878	ug/L		99
53) Trichloroethene	3.825	95	240178	40.2486	ug/L		98
54) Methylcyclohexane	3.841	83	352694	42.0112	ug/L		98
55) Dibromomethane	4.050	93	139136	41.6473	ug/L		97
56) 1,2-Dichloropropane	4.107	63	238603	40.9118	ug/L		97
57) Bromodichloromethane	4.144	83	255744	38.9028	ug/L		99
58) Methyl methacrylate	4.233	41	244243	38.8007	ug/L		97
59) 1,4-Dioxane	4.259	88	111461	737.9758	ug/L		98
60) 2-Chloroethyl vinyl ether	4.479	63	958907	197.0097	ug/L		99
61) cis-1,3-Dichloropropene	4.520	75	331359	39.3742	ug/L		97
64) Toluene	4.683	91	1044078	39.1594	ug/L		98
65) 2-Nitropropane	4.777	41	362923	167.9039	ug/L		98
66) 4-Methyl-2-pentanone	4.892	43	1846209	181.5989	ug/L		97
67) trans-1,3-Dichloropropene	4.918	75	300230	36.8173	ug/L		96
68) Tetrachloroethene	4.939	166	252139	44.4901	ug/L		96
69) Ethyl methacrylate	5.028	69	354443	35.9487	ug/L		95
70) 1,1,2-Trichloroethane	5.017	83	180044	40.0826	ug/L		96
71) Dibromochloromethane	5.143	129	195397	39.7398	ug/L		99
72) 1,3-Dichloropropane	5.195	76	401616	39.8699	ug/L		97
73) 1,2-Dibromoethane	5.294	107	223297	40.5580	ug/L		96
74) 3,3-dimethyl-1-butanol	5.420	57	3856868	1908.4890	ug/L		100
75) 2-hexanone	5.430	43	2002822	185.4371	ug/L		93
76) 1-Chlorohexane	5.650	91	323016m	37.4706	ug/L		
77) Ethylbenzene	5.681	91	1121130	39.1302	ug/L		100
78) Chlorobenzene	5.655	112	616813	39.2700	ug/L		98
79) 1,1,1,2-Tetrachloroethane	5.697	131	198379	38.8657	ug/L		96
80) m,p-Xylene	5.786	91	1762051	78.0535	ug/L		97
81) o-Xylene	6.078	91	871097	39.1620	ug/L		99
82) Styrene	6.110	104	697176	39.3229	ug/L		99
83) Bromoform	6.120	173	101025	39.5953	ug/L		98
84) Isopropylbenzene	6.308	105	1032042	40.7241	ug/L		98
87) cis-1,4-Dichloro-2-butene	6.528	53	79959	26.6030	ug/L		93
88) n-Propylbenzene	6.612	91	1196910	38.0331	ug/L		95
89) Bromobenzene	6.570	156	246876	38.4184	ug/L		96
90) 1,1,2,2-Tetrachloroethane	6.633	83	329214	39.2229	ug/L		97
91) 1,3,5-Trimethylbenzene	6.758	105	836127	38.5072	ug/L		99
92) 2-Chlorotoluene	6.716	91	711920	37.8724	ug/L		97
93) trans-1,4-Dichloro-2-B...	6.758	53	104219	28.6435	ug/L		97
94) 1,2,3-Trichloropropane	6.727	110	118952	38.0932	ug/L		98
95) Cyclohexanone	6.742	55	114057	194.1229	ug/L		97
96) 4-Chlorotoluene	6.836	91	746102	37.9818	ug/L		97
97) tert-Butylbenzene	6.993	91	456994	38.0146	ug/L		99
99) 1,2,4-Trimethylbenzene	7.046	105	814507	38.8207	ug/L		98
100) Pentachloroethane	6.998	167	84494	29.6576	ug/L	#	62
101) sec-Butylbenzene	7.134	105	914954	37.8569	ug/L		99
102) 4-Isopropyltoluene	7.244	119	813060	38.0488	ug/L		98
103) 1,3-Dichlorobenzene	7.281	146	434403	38.6337	ug/L		95
104) 1,2,3-Trimethylbenzene	7.375	105	403773	18.5520	ug/L		99
105) 1,4-Dichlorobenzene	7.344	146	446126	38.1906	ug/L		99
106) n-Butylbenzene	7.558	92	386097	38.8705	ug/L		95
107) Benzyl Chloride	7.521	126	69395	27.8296	ug/L	#	93
108) 1,2-Dichlorobenzene	7.652	146	411998	39.0912	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92939.D
Acq On : 13 Sep 2022 10:57 pm
Operator : lindsayr
Sample : ECC3565-5 Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 14 06:09:04 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration

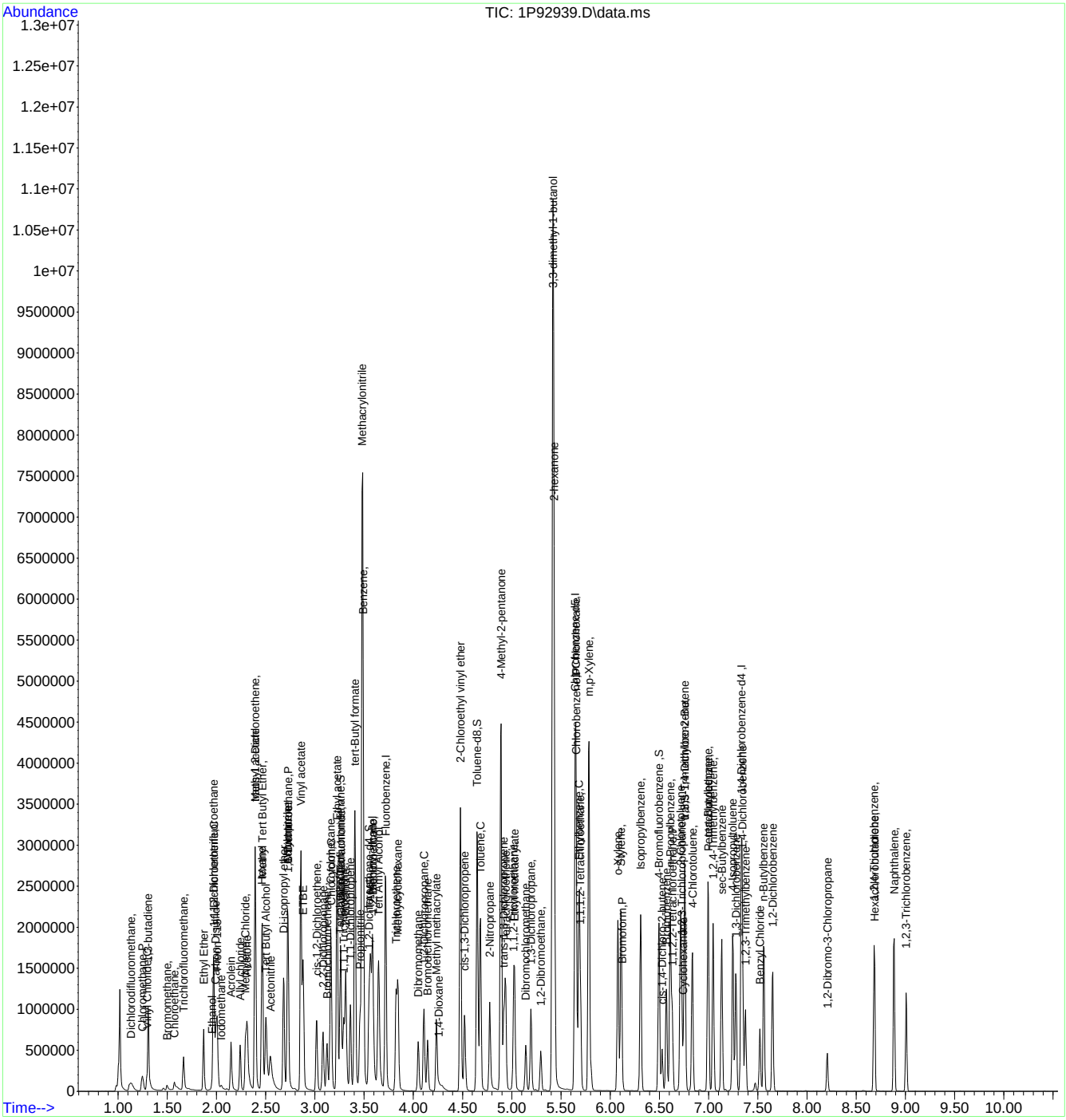
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,2-Dibromo-3-Chloropr...	8.206	75	71538	37.1078	ug/L	97
110) Hexachlorobutadiene	8.687	225	80858	38.6510	ug/L	95
111) 1,2,4-Trichlorobenzene	8.682	180	233569	39.9191	ug/L	93
112) Naphthalene	8.886	128	940654	38.8197	ug/L	100
113) 1,2,3-Trichlorobenzene	9.006	180	219914	39.8933	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92939.D
Acq On : 13 Sep 2022 10:57 pm
Operator : lindsayr
Sample : ECC3565-5 Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 14 06:09:04 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration



Manual Integration Approval Summary

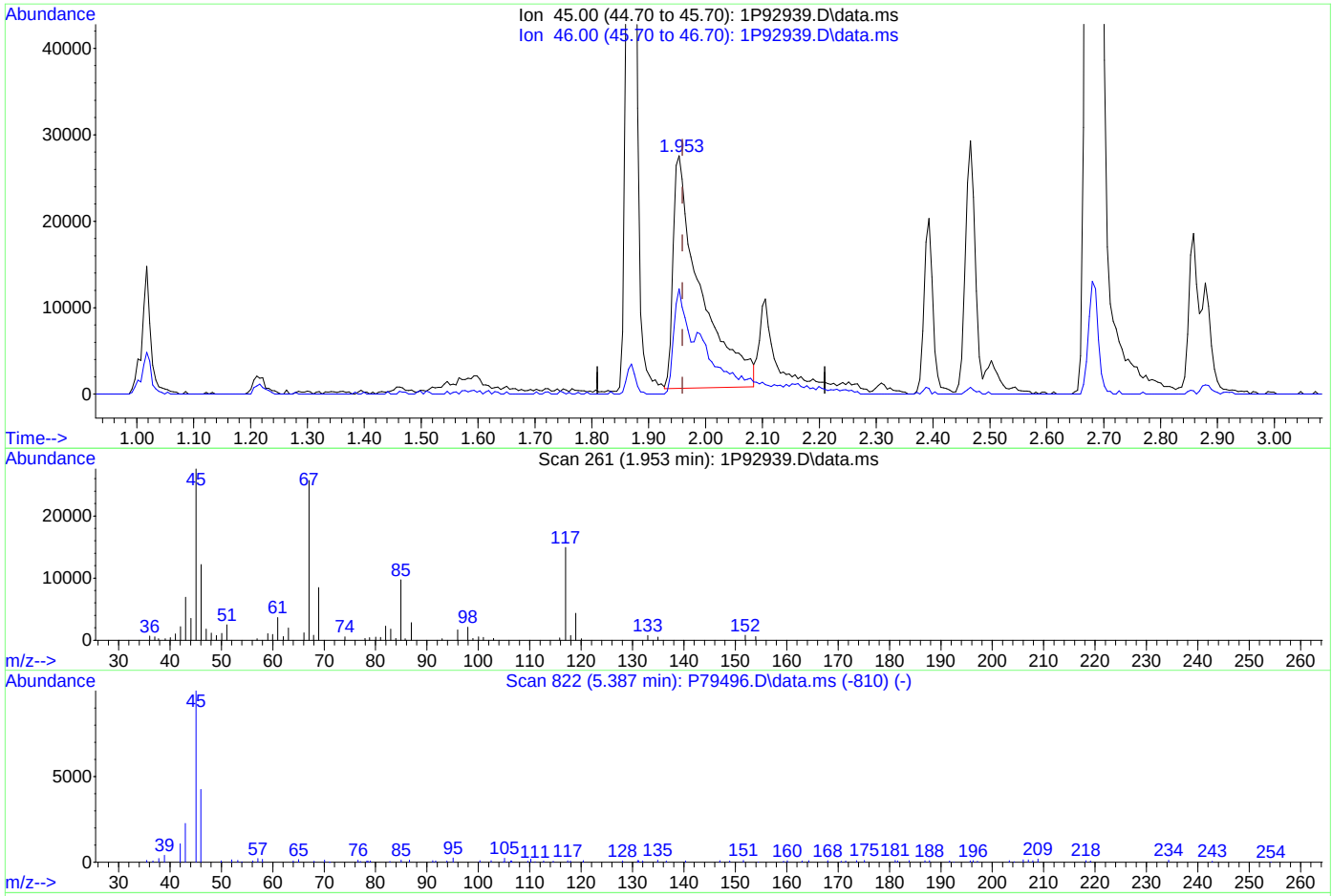
Sample Number: V1P3579-ECC3565 **Method:** SW846 8260D
Lab FileID: 1P92939.D **Analyst approved:** 09/14/22 02:28 John Matthew de Guzman
Injection Time: 09/13/22 22:57 **Supervisor approved:** 09/14/22 15:59 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		1.95	Poor instrument integration
Carbon Tetrachloride	56-23-5		3.27	Overlapping peak
Isobutyl Alcohol	78-83-1		3.58	Poor instrument integration
1-Chlorohexane	544-10-5		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92939.D
Acq On : 13 Sep 2022 10:57 pm
Operator : lindsayr
Sample : ECC3565-5 Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 14 05:34:34 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration



TIC: 1P92939.D\data.ms

(10) Ethanol

1.953min (-0.006) 680.96ug/L

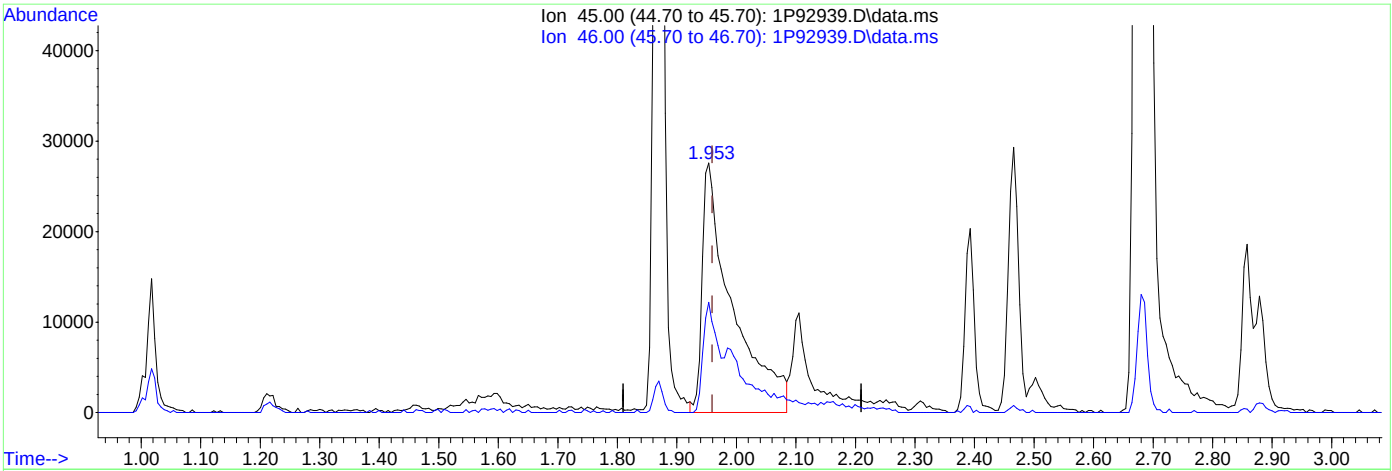
response 90053

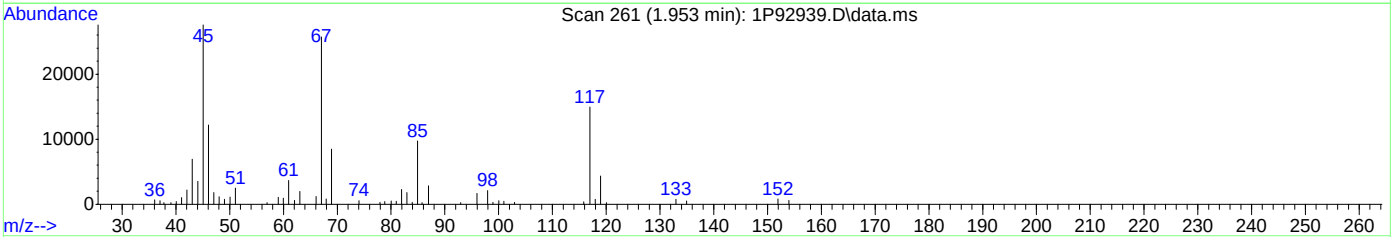
Ion	Exp%	Act%
45.00	100	100
46.00	41.40	45.57
0.00	0.00	0.00
0.00	0.00	0.00

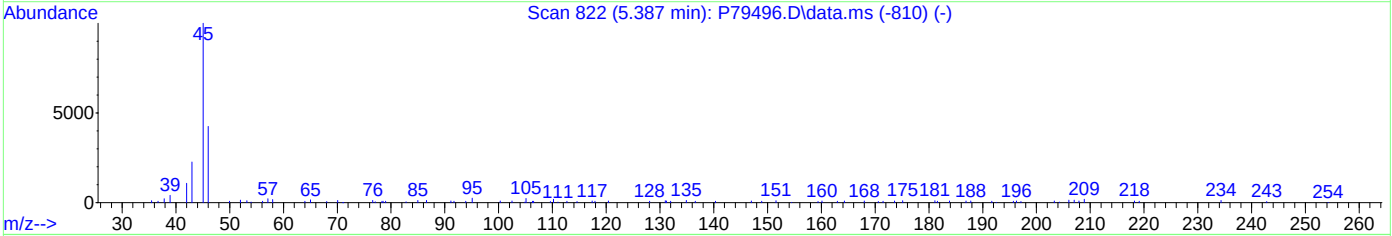
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92939.D
Acq On : 13 Sep 2022 10:57 pm
Operator : lindsayr
Sample : ECC3565-5 Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 14 05:34:34 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92939.D\data.ms

(10) Ethanol

1.953min (-0.006) 735.23ug/L m

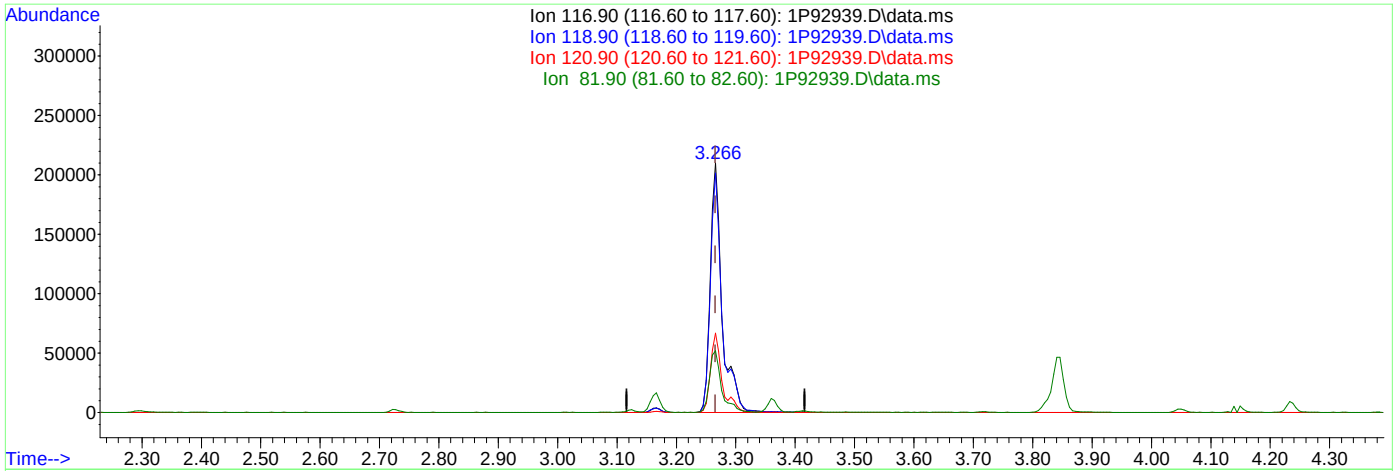
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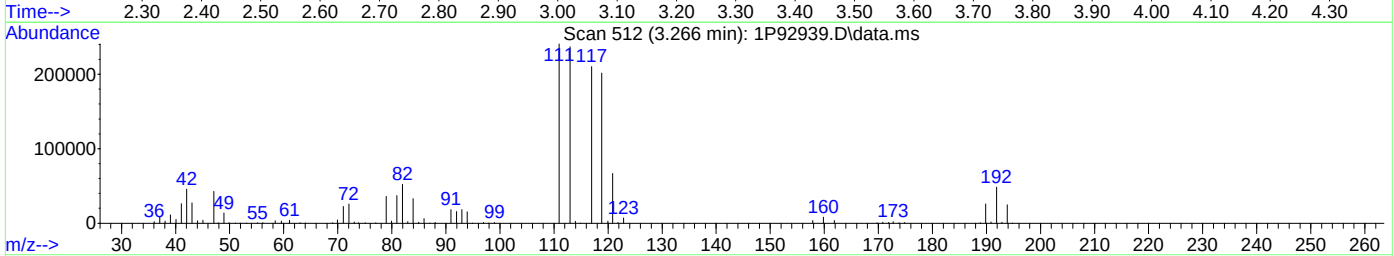
Ion	Exp%	Act%
45.00	100	100
46.00	41.40	44.19
0.00	0.00	0.00
0.00	0.00	0.00

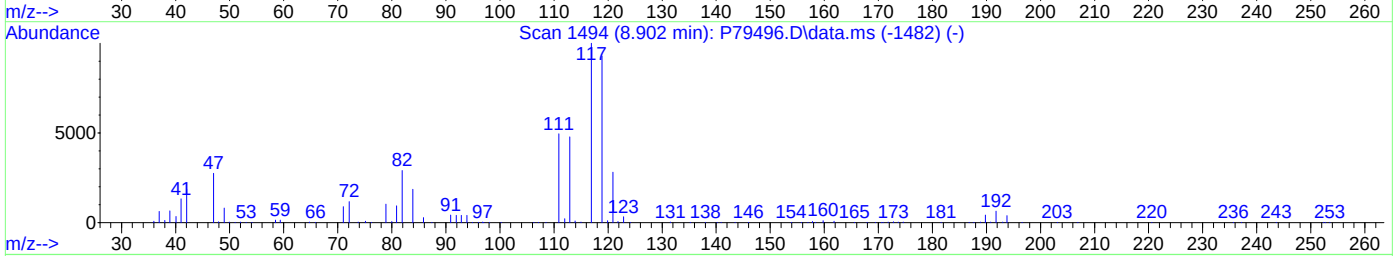
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92939.D
Acq On : 13 Sep 2022 10:57 pm
Operator : lindsayr
Sample : ECC3565-5 Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 14 05:34:34 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92939.D\data.ms

(40) Carbon Tetrachloride ( )

3.266min (-0.000) 45.07ug/L

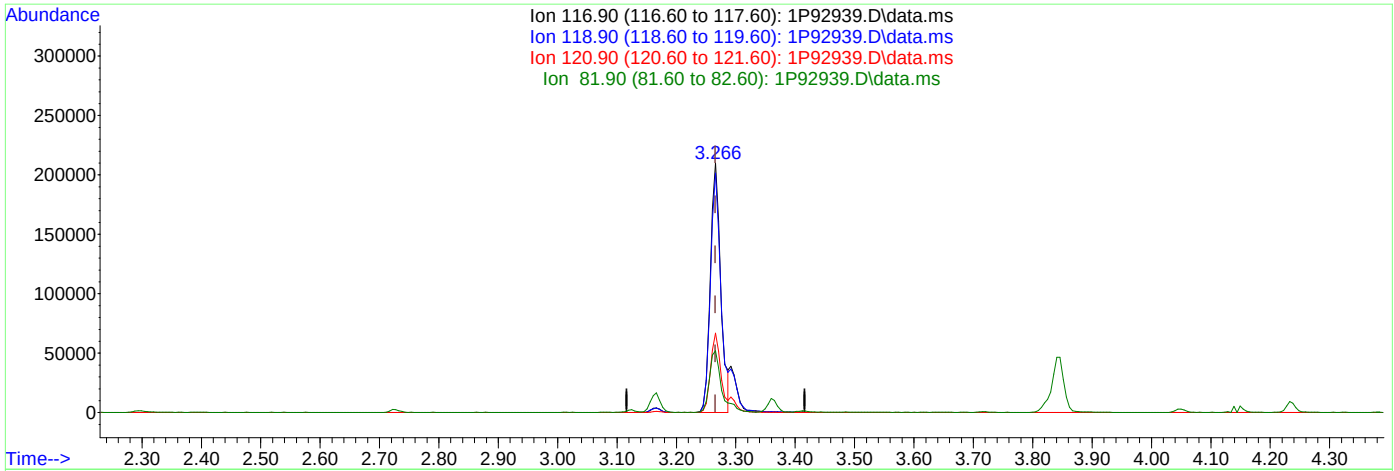
response 294399

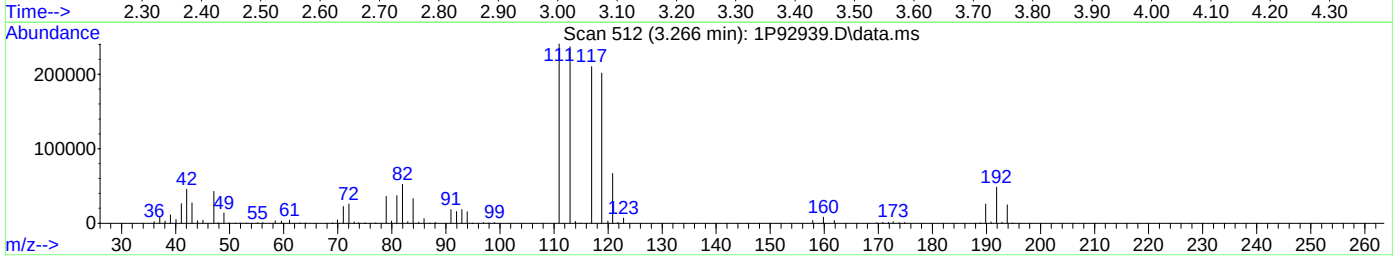
Ion	Exp%	Act%
116.90	100	100
118.90	93.30	95.92
120.90	30.70	31.80
81.90	26.50	24.67

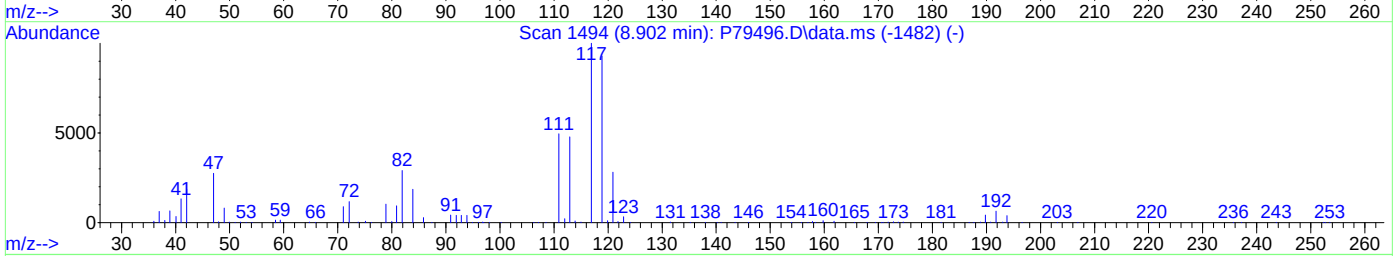
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92939.D
Acq On : 13 Sep 2022 10:57 pm
Operator : lindsayr
Sample : ECC3565-5 Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 14 05:34:34 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92939.D\data.ms

(40) Carbon Tetrachloride ( )

3.266min (-0.000) 39.77ug/L m

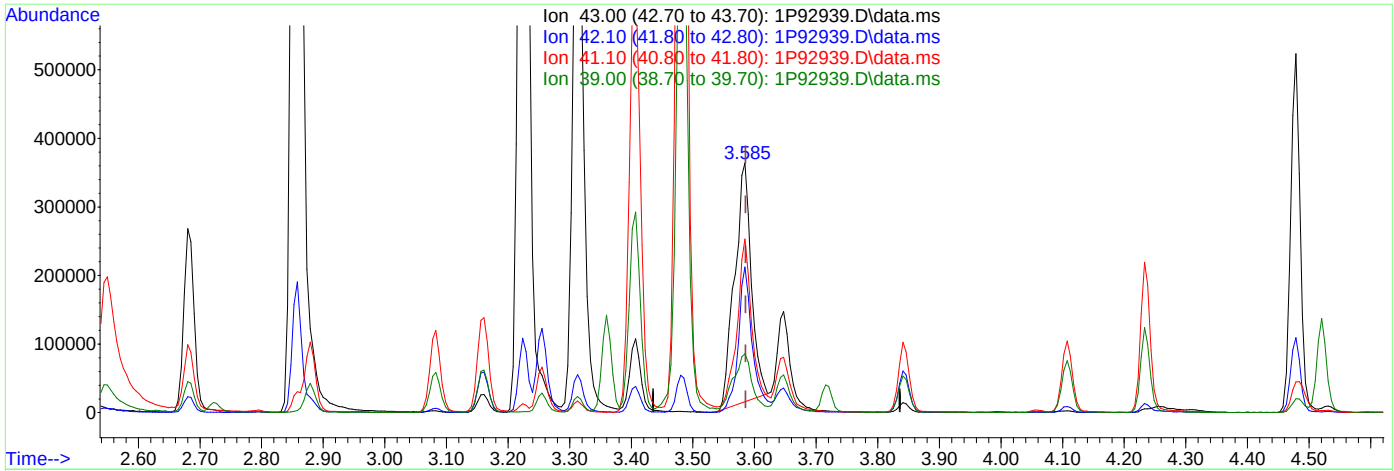
response 257806

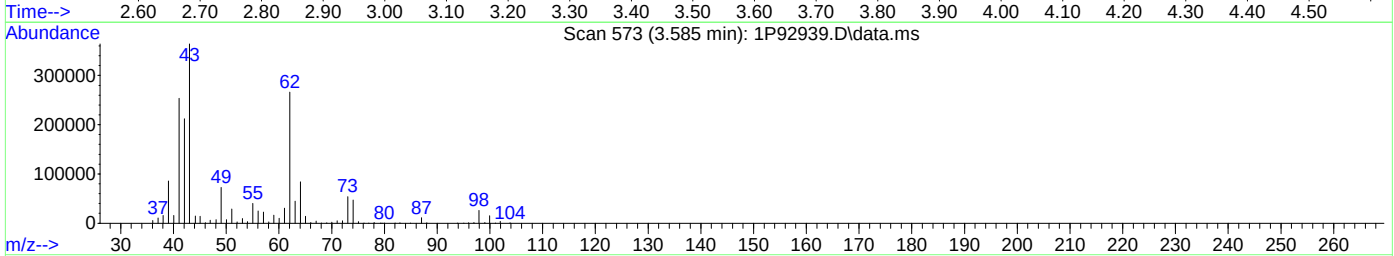
Ion	Exp%	Act%
116.90	100	100
118.90	93.30	95.92
120.90	30.70	31.80
81.90	26.50	24.78

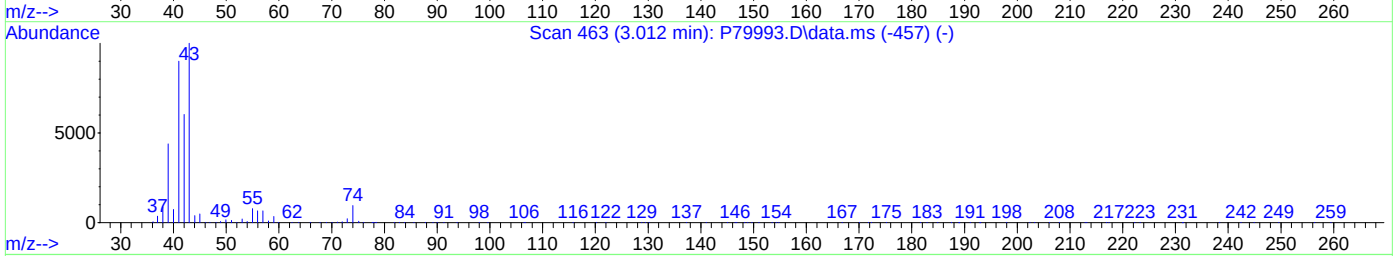
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92939.D
Acq On : 13 Sep 2022 10:57 pm
Operator : lindsayr
Sample : ECC3565-5 Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 14 05:34:34 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92939.D\data.ms

(50) Isobutyl alcohol

3.585min (-0.001) 725.03ug/L

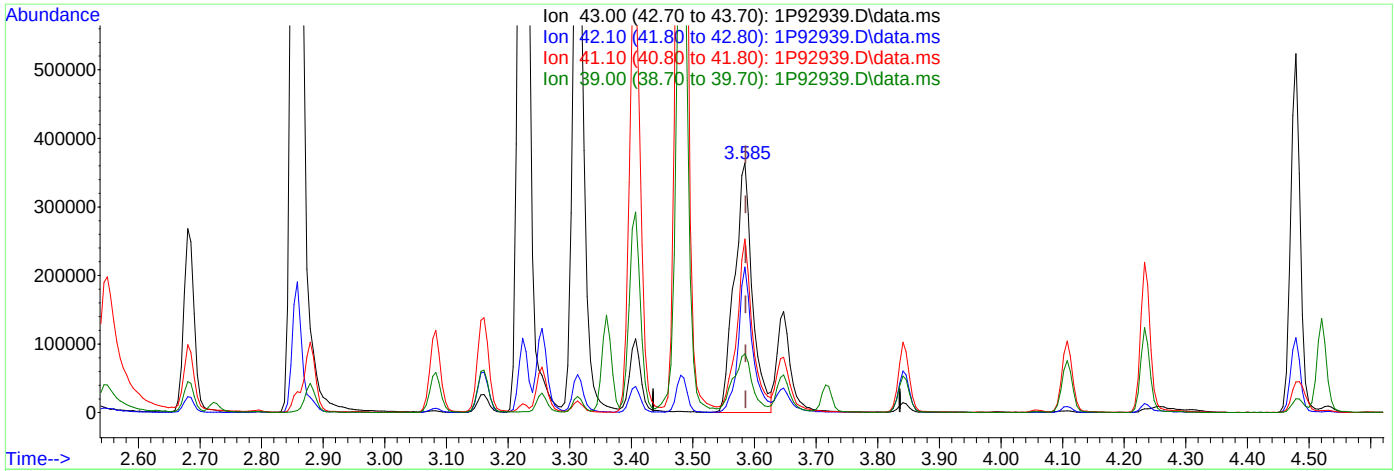
response 662320

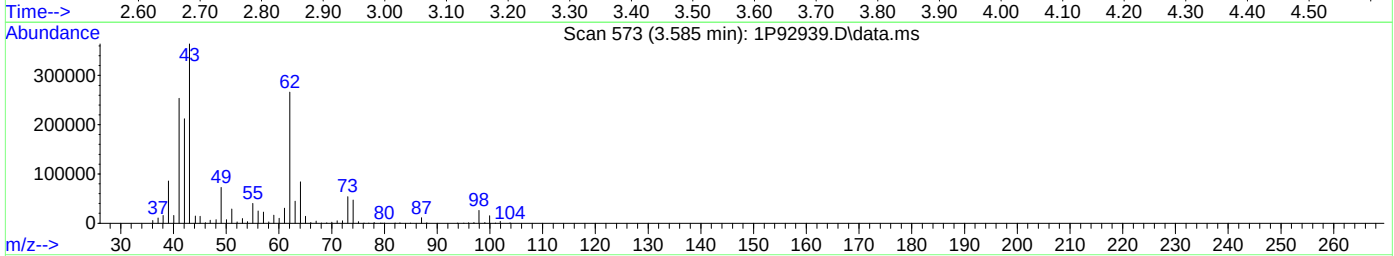
Ion	Exp%	Act%
43.00	100	100
42.10	57.70	58.25
41.10	72.00	67.43
39.00	27.20	22.06

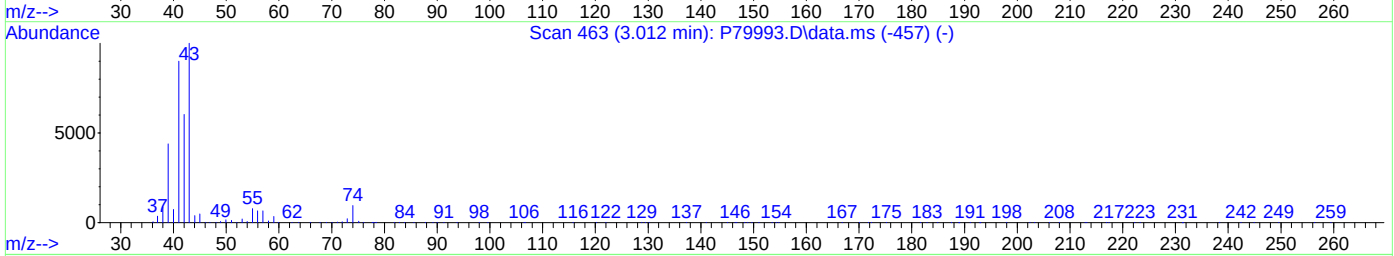
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92939.D
Acq On : 13 Sep 2022 10:57 pm
Operator : lindsayr
Sample : ECC3565-5 Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 14 05:34:34 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92939.D\data.ms

(50) Isobutyl alcohol

3.585min (-0.001) 813.31ug/L m

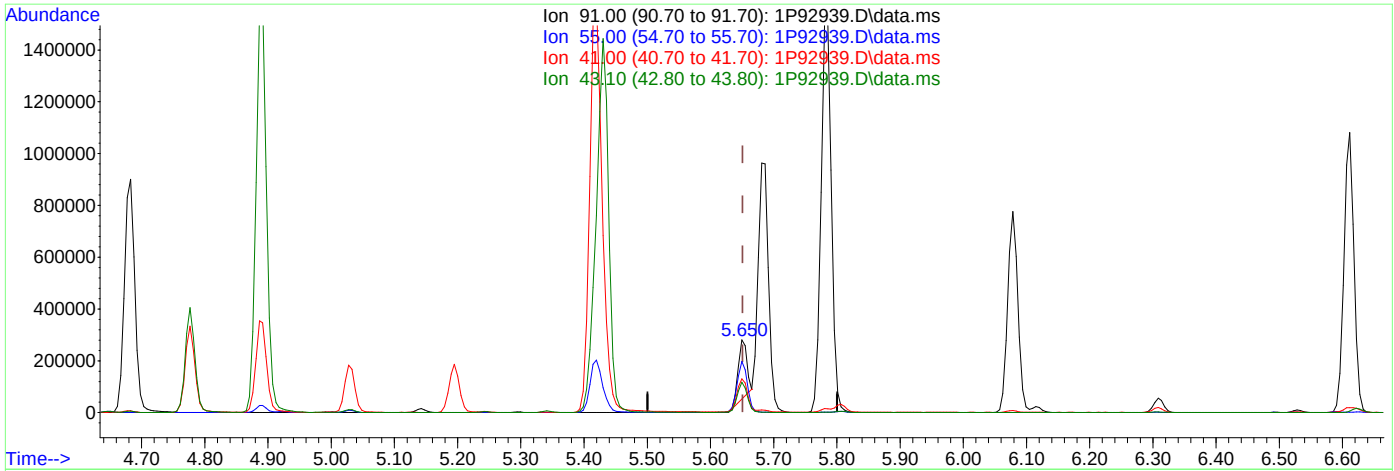
response 742969

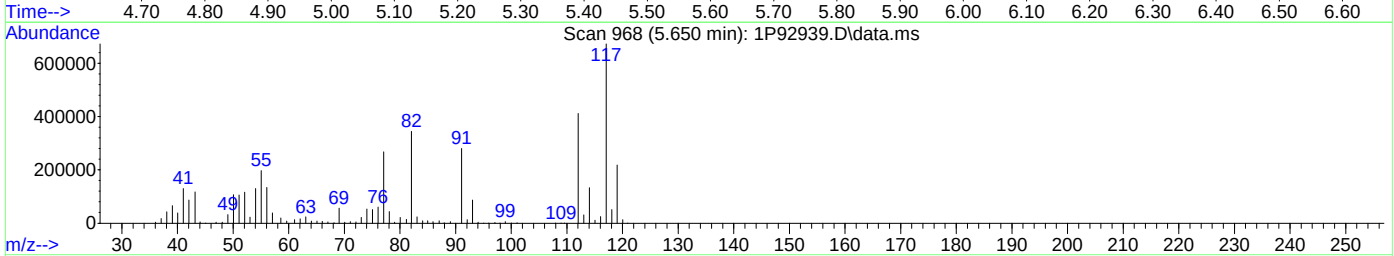
Ion	Exp%	Act%
43.00	100	100
42.10	57.70	58.27
41.10	72.00	69.57
39.00	27.20	23.57

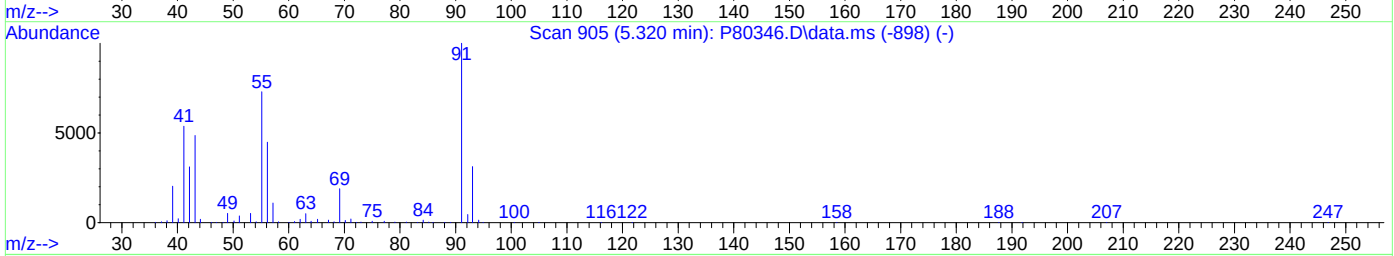
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92939.D
Acq On : 13 Sep 2022 10:57 pm
Operator : lindsayr
Sample : ECC3565-5 Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 14 05:34:34 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92939.D\data.ms

(76) 1-Chlorohexane

5.650min (-0.001) 26.03ug/L

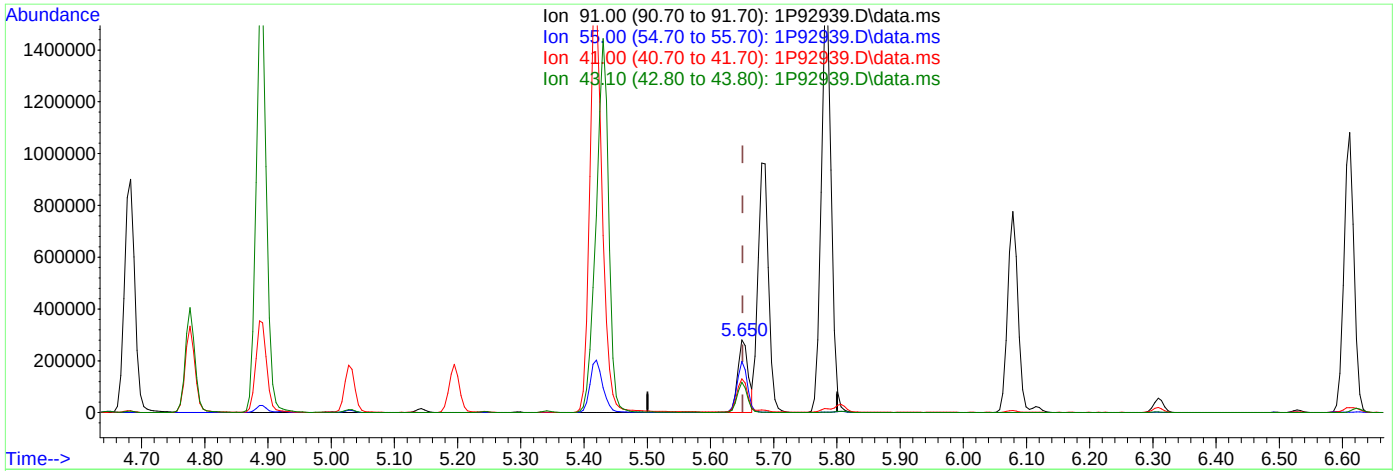
response 224371

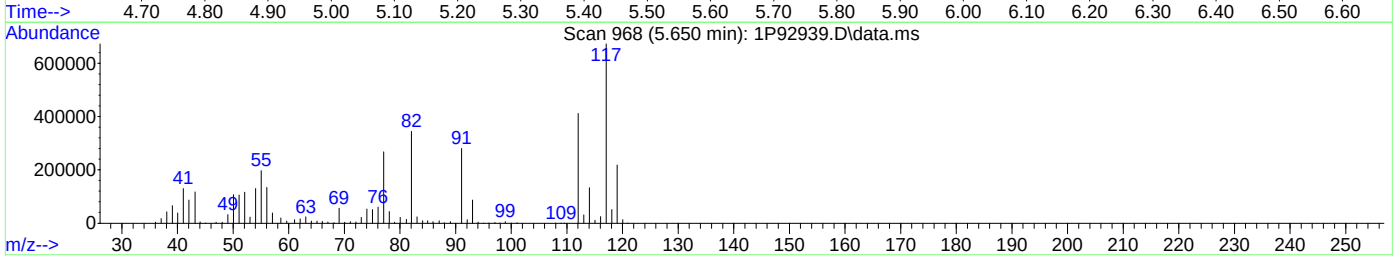
Ion	Exp%	Act%
91.00	100	100
55.00	72.50	67.01
41.00	52.10	43.93
43.10	41.30	40.50

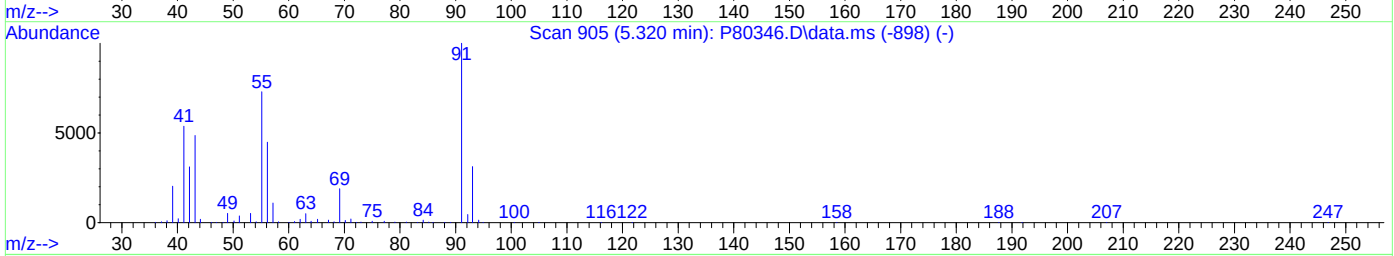
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\2022\September 2022\09-14-2022\v1p3579\
Data File : 1P92939.D
Acq On : 13 Sep 2022 10:57 pm
Operator : lindsayr
Sample : ECC3565-5 Inst : MSVOA13
Misc : MS52376,V1P3579,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 14 05:34:34 2022
Quant Method : C:\msdchem\1\methods\V1P_2022-08-24.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 14:46:33 2022
Response via : Initial Calibration







TIC: 1P92939.D\data.ms

(76) 1-Chlorohexane

5.650min (-0.001) 37.47ug/L m

response 323016

Ion	Exp%	Act%
91.00	100	100
55.00	72.50	70.42
41.00	52.10	46.42
43.10	41.30	41.84

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner
09/01/22 13:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750990.D
Acq On : 30 Aug 2022 11:20 am
Operator : adelardl
Sample : IC2679-1
Misc : MS52156,VI2679,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 30 12:02:12 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.335	96	849372	50.00	ug/L		0.00
62) Chlorobenzene-d5	11.512	117	619310	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	294360	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	7.451	113	233522	49.36	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.72%				
49) 1,2-Dichloroethane-d4	8.037	65	269429	49.66	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.32%				
63) Toluene-d8	9.945	98	831214	48.06	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.12%				
86) 4-Bromofluorobenzene	12.731	174	249810	50.60	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.385	85	3912	1.29	ug/L		97
3) Chloromethane	2.714	50	5319	1.16	ug/L		96
4) Vinyl Chloride	2.861	62	4421	1.03	ug/L		99
5) 1,3-Butadiene	2.891	39	4345	1.11	ug/L		89
6) Bromomethane	3.391	94	4106	1.58	ug/L		87
7) Chloroethane	3.592	64	2762	1.17	ug/L		95
8) Trichlorofluoromethane	3.824	101	5939	1.02	ug/L		94
9) Ethyl Ether	4.293	59	4078	1.14	ug/L		89
10) 1,2-Dichlorotrifluoroe...	4.556	67	4589	1.16	ug/L		94
11) 1,1-Dichloroethene	4.562	61	6395	1.09	ug/L		92
12) Ethanol	4.507	45	2976	14.29	ug/L		90
13) Freon 113	4.623	101	3460	1.02	ug/L		91
14) Carbon Disulfide	4.610	76	11919	1.15	ug/L		57
15) Iodomethane	4.751	142	5014	1.04	ug/L		95
16) Acrolein	5.019	56	4182	2.93	ug/L		89
17) Allyl chloride	5.202	41	5202	0.97	ug/L		93
18) Methylene Chloride	5.336	49	21403	3.17	ug/L		95
19) Acetone	5.391	43	12395	3.69	ug/L		85
20) Methyl acetate	5.568	43	25857	4.35	ug/L		97
21) trans-1,2-Dichloroethene	5.561	61	5537	0.99	ug/L		95
22) Hexane	5.665	56	2837	0.94	ug/L	#	87
23) Methyl Tert Butyl Ether	5.689	73	9813	0.92	ug/L		48
24) Tert butyl alcohol	5.799	59	17127	7.67	ug/L		96
25) Acetonitrile	5.982	41	10842	8.45	ug/L		91
26) Di-isopropyl ether	6.147	45	11749	0.89	ug/L		96
28) 1,1-Dichloroethane	6.299	63	6933	0.99	ug/L		92
29) Acrylonitrile	6.378	53	12807	3.75	ug/L		98
30) ETBE	6.586	59	12428	0.94	ug/L		89
31) Vinyl acetate	6.622	43	29520	2.86	ug/L		97
32) cis-1,2-Dichloroethene	6.958	96	3529	0.98	ug/L	#	76
33) 2,2-Dichloropropane	7.067	77	6232	1.08	ug/L		91
34) Bromochloromethane	7.189	128	1223	0.70	ug/L		85
35) Cyclohexane	7.207	56	6150	0.93	ug/L		89
36) Chloroform	7.256	83	6172	0.87	ug/L		87
37) Ethyl acetate	7.378	43	37658	4.03	ug/L		98
38) Tetrahydrofuran	7.451	42	4124	1.09	ug/L		95
40) Carbon Tetrachloride	7.433	117	5078	1.00	ug/L		91
41) 1,1,1-Trichloroethane	7.494	97	5950	1.01	ug/L		92
42) 2-Butanone	7.604	43	15806m	2.95	ug/L		
43) 1,1-Dichloropropene	7.646	75	4606	0.92	ug/L		89
44) tert-Butyl Formate	7.732	59	11143	3.11	ug/L		88
45) Propionitrile	7.915	54	11124	7.21	ug/L	#	25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750990.D
Acq On : 30 Aug 2022 11:20 am
Operator : adelardl
Sample : IC2679-1
Misc : MS52156,VI2679,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 30 12:02:12 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	Methacrylonitrile	7.927	41	38936	8.68	ug/L		96
47)	Benzene	7.915	78	14108	0.99	ug/L		88
48)	TAME	8.012	73	10196	0.94	ug/L		96
50)	Isobutyl alcohol	8.098	42	5890	11.92	ug/L		95
51)	1,2-Dichloroethane	8.122	62	5304	0.93	ug/L		93
52)	Tert Amyl Alcohol	8.195	59	16389	8.55	ug/L		84
53)	Trichloroethene	8.549	95	3707	0.98	ug/L		82
54)	Methylcyclohexane	8.536	83	4759	0.93	ug/L		87
55)	Dibromomethane	8.988	93	2258	0.96	ug/L		93
56)	1,2-Dichloropropane	9.067	63	3843	0.97	ug/L		94
57)	Bromodichloromethane	9.134	83	4588	0.94	ug/L		87
60)	2-Chloroethyl vinyl ether	9.689	63	7373	2.34	ug/L		91
61)	cis-1,3-Dichloropropene	9.774	75	4824	0.87	ug/L		89
64)	Toluene	10.012	91	14777	0.95	ug/L		97
65)	2-Nitropropane	10.213	41	9440	3.86	ug/L		81
66)	4-Methyl-2-pentanone	10.347	43	28253	3.02	ug/L		98
67)	trans-1,3-Dichloropropene	10.445	75	3625	0.74	ug/L		93
68)	Tetrachloroethene	10.420	166	4023	0.95	ug/L		95
69)	Ethyl methacrylate	10.542	69	3296	0.61	ug/L		80
70)	1,1,2-Trichloroethane	10.579	83	2616	0.86	ug/L		88
71)	Dibromochloromethane	10.780	129	3396	0.85	ug/L		74
72)	1,3-Dichloropropane	10.853	76	5472	0.90	ug/L		92
73)	1,2-Dibromoethane	11.042	107	2972	0.77	ug/L		96
74)	3,3-dimethyl-1-butanol	11.127	57	38466	21.99	ug/L		96
75)	2-hexanone	11.188	43	16991	2.07	ug/L		94
76)	1-Chlorohexane	11.481	91	4362	0.92	ug/L		92
77)	Ethylbenzene	11.542	91	17876	1.02	ug/L		96
78)	Chlorobenzene	11.530	112	9666	0.99	ug/L		91
79)	1,1,1,2-Tetrachloroethane	11.591	131	3400	0.95	ug/L	#	80
80)	m,p-Xylene	11.682	91	24287	1.83	ug/L		95
81)	o-Xylene	12.121	91	11889	0.89	ug/L		89
82)	Styrene	12.188	104	7644	0.80	ug/L		89
83)	Bromoform	12.225	173	2193	0.73	ug/L		85
84)	Isopropylbenzene	12.426	105	14566	0.91	ug/L		98
87)	cis-1,4-Dichloro-2-butene	12.780	53	1604	0.71	ug/L		78
88)	n-Propylbenzene	12.847	91	16492	0.92	ug/L		97
89)	Bromobenzene	12.865	156	3885	1.01	ug/L		85
90)	1,1,2,2-Tetrachloroethane	12.895	83	5528	0.93	ug/L		95
91)	1,3,5-Trimethylbenzene	13.030	105	11437	0.91	ug/L		85
92)	2-Chlorotoluene	13.030	91	11103	0.92	ug/L		91
93)	trans-1,4-Dichloro-2-B...	13.097	53	1749	0.72	ug/L	#	55
94)	1,2,3-Trichloropropane	13.060	110	1901	0.97	ug/L		82
95)	Cyclohexanone	13.121	55	2050	2.82	ug/L		78
96)	4-Chlorotoluene	13.200	91	10293	0.96	ug/L		91
97)	tert-Butylbenzene	13.365	91	6958	0.97	ug/L		96
98)	1,2,4-Trimethylbenzene	13.438	105	10848	0.89	ug/L		95
99)	Pentachloroethane	13.414	167	1939	0.87	ug/L	#	72
100)	sec-Butylbenzene	13.548	105	14252	0.98	ug/L		97
101)	4-Isopropyltoluene	13.682	119	11000	0.89	ug/L		97
102)	1,3-Dichlorobenzene	13.822	146	6260	0.92	ug/L		95
103)	1,2,3-Trimethylbenzene	13.895	105	12427	0.99	ug/L		83
104)	1,4-Dichlorobenzene	13.895	146	7734	1.05	ug/L		85
105)	n-Butylbenzene	14.127	92	6112	0.88	ug/L	#	73
106)	Benzyl Chloride	14.145	126	1213	0.61	ug/L	#	62
107)	1,2-Dichlorobenzene	14.346	146	6443	0.96	ug/L		95
108)	1,2-Dibromo-3-Chloropr...	15.090	75	1556	0.83	ug/L		93
109)	Hexachlorobutadiene	15.657	225	2065	1.07	ug/L		88
110)	1,2,4-Trichlorobenzene	15.706	180	3928	0.90	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750990.D
Acq On : 30 Aug 2022 11:20 am
Operator : adelardl
Sample : IC2679-1
Misc : MS52156,VI2679,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 30 12:02:12 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

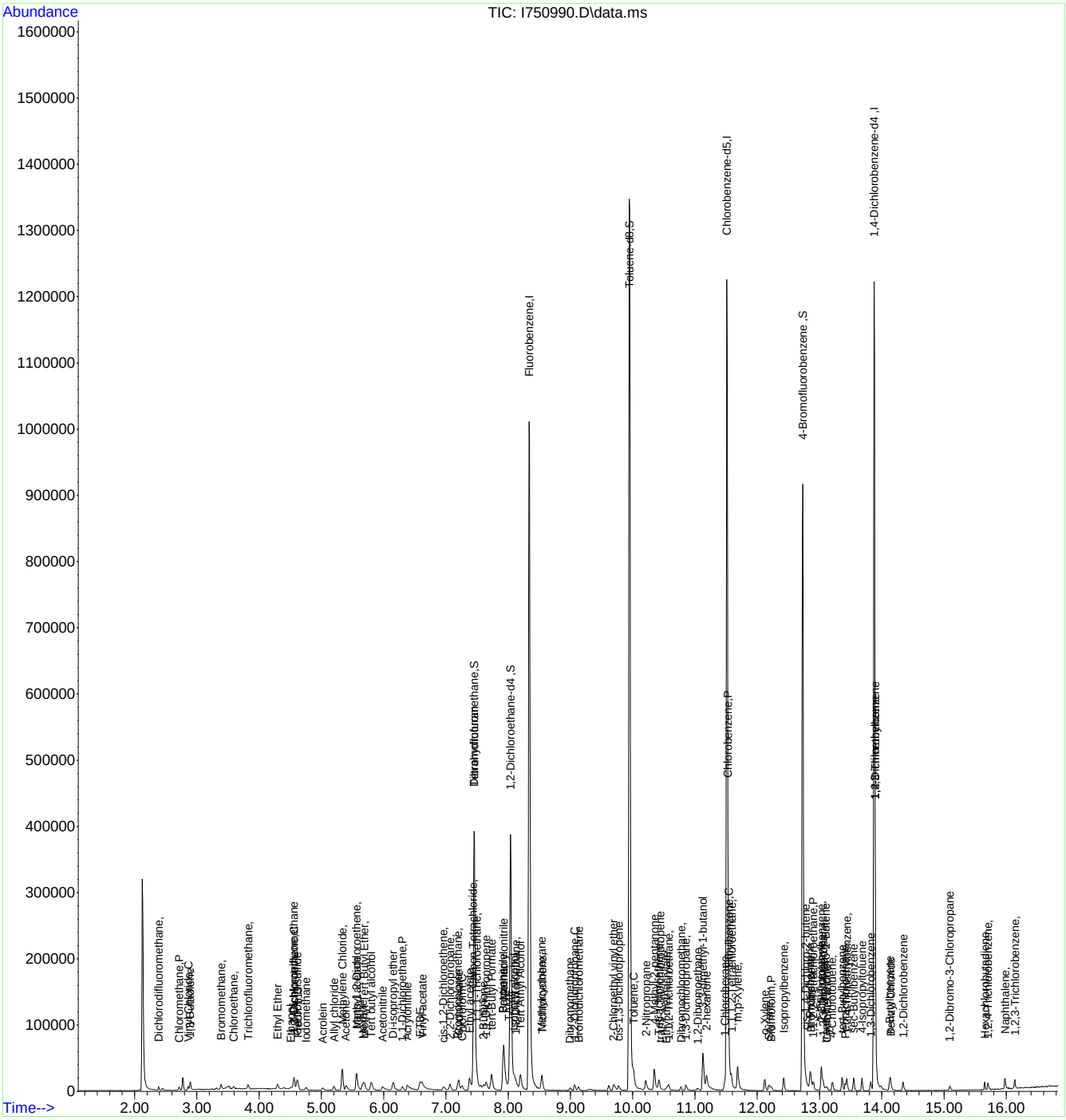
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
111) Naphthalene	15.980	128	13475	0.87	ug/L	95
112) 1,2,3-Trichlorobenzene	16.139	180	4220	0.96	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750990.D
Acq On : 30 Aug 2022 11:20 am
Operator : adelardl
Sample : IC2679-1
Misc : MS52156,VI2679,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 30 12:02:12 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration



Manual Integration Approval Summary

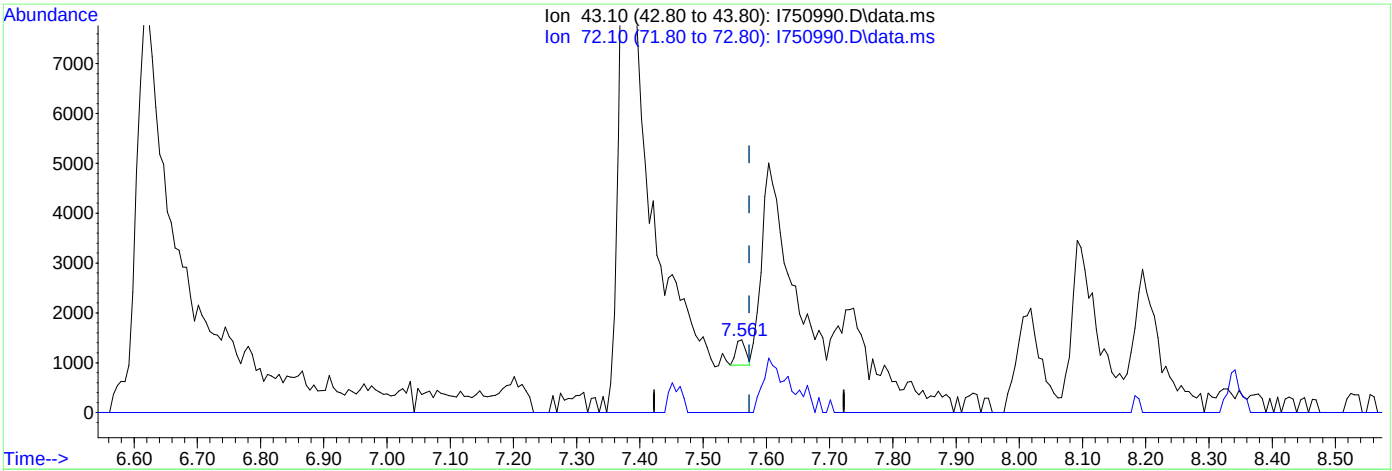
Sample Number: VI2679-IC2679
Lab FileID: I750990.D
Injection Time: 08/30/22 11:20
Method: SW846 8260D
Analyst approved: 08/30/22 17:27 Adelard Lefebvre
Supervisor approved: 09/01/22 13:21 Lindsay Ritner

Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Butanone (MEK)	78-93-3		7.60	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750990.D
Acq On : 30 Aug 2022 11:20 am
Operator : adelardl
Sample : IC2679-1
Misc : MS52156,VI2679,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 30 11:59:00 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration



TIC: I750990.D\data.ms

(42) 2-Butanone

7.561min (-0.012) 0.10ug/L

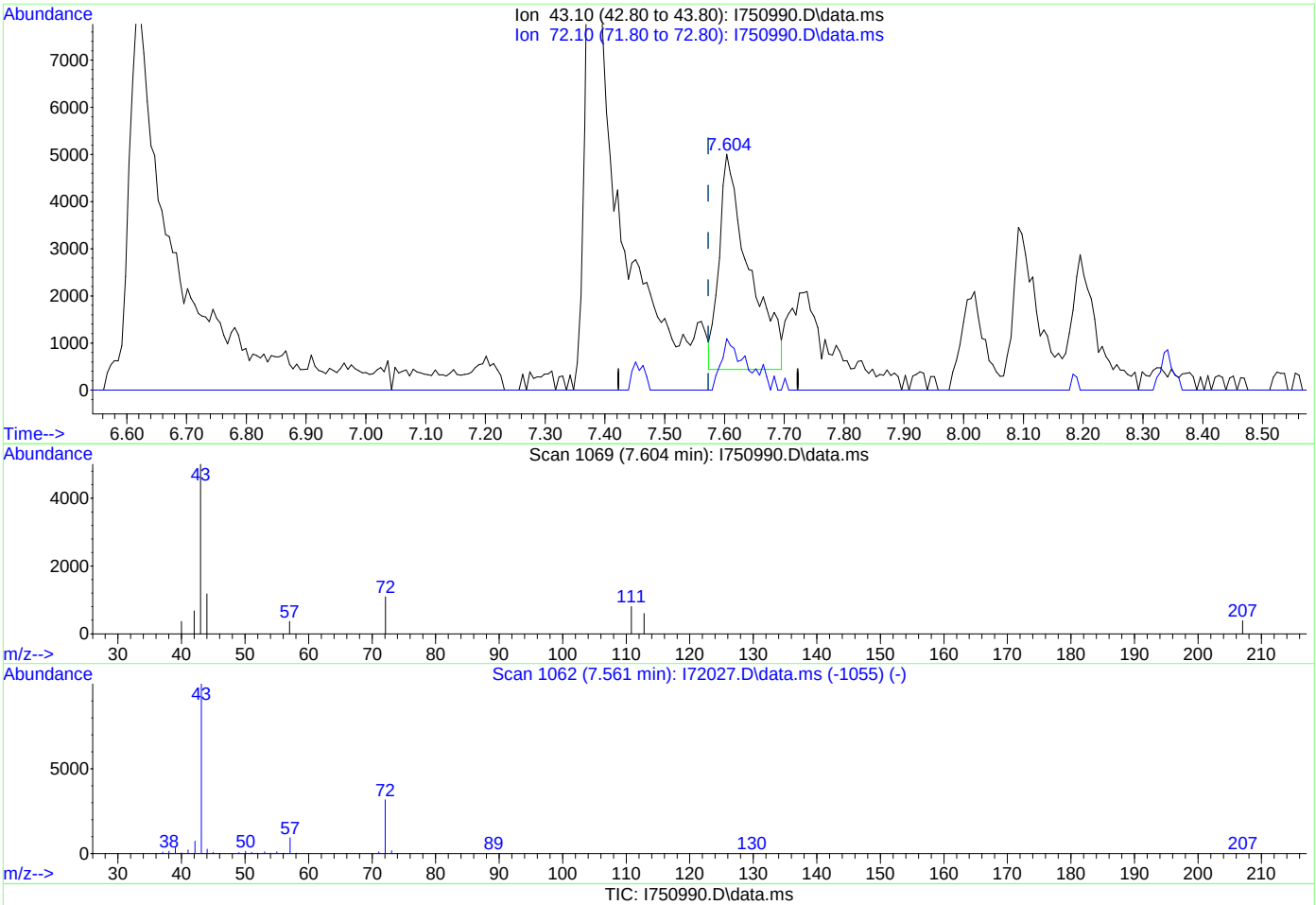
response 545

Ion	Exp%	Act%
43.10	100	100
72.10	20.70	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750990.D
Acq On : 30 Aug 2022 11:20 am
Operator : adelardl
Sample : IC2679-1
Misc : MS52156,VI2679,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 30 11:59:00 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration



TIC: I750990.D\data.ms

(42) 2-Butanone

7.604min (+0.031) 2.95ug/L m

response 15806

Ion	Exp%	Act%
43.10	100	100
72.10	20.70	21.80
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Fereira
09/01/22 05:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750991.D
Acq On : 30 Aug 2022 11:44 am
Operator : adelardl
Sample : IC2679-2
Misc : MS52156,VI2679,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 12:37:41 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.341	96	858121	50.00	ug/L		0.00
62) Chlorobenzene-d5	11.512	117	637033	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	301839	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	7.451	113	234879	49.14	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.28%			
49) 1,2-Dichloroethane-d4	8.037	65	267649	48.83	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	97.66%			
63) Toluene-d8	9.951	98	841609	47.31	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	94.62%			
86) 4-Bromofluorobenzene	12.731	174	252201	49.82	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.64%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.385	85	21389	7.06	ug/L		97
3) Chloromethane	2.708	50	26027	5.63	ug/L		98
4) Vinyl Chloride	2.855	62	24543	5.69	ug/L		98
5) 1,3-Butadiene	2.891	39	20720	5.27	ug/L		95
6) Bromomethane	3.385	94	13842	5.28	ug/L		93
7) Chloroethane	3.580	64	15139	6.42	ug/L		97
8) Trichlorofluoromethane	3.812	101	30039	5.17	ug/L		99
9) Ethyl Ether	4.293	59	13569	3.75	ug/L		92
10) 1,2-Dichlorotrifluoroe...	4.549	67	16451	4.13	ug/L		93
11) 1,1-Dichloroethene	4.556	61	23895	4.03	ug/L		94
12) Ethanol	4.513	45	18085	86.36	ug/L		100
13) Freon 113	4.623	101	12802	3.74	ug/L		98
14) Carbon Disulfide	4.604	76	39829	3.80	ug/L		91
15) Iodomethane	4.751	142	16343	3.35	ug/L		91
16) Acrolein	5.013	56	33225	23.03	ug/L		99
17) Allyl chloride	5.196	41	27859	5.14	ug/L		97
18) Methylene Chloride	5.336	49	36879	5.44	ug/L		98
19) Acetone	5.397	43	59960	17.74	ug/L		100
20) Methyl acetate	5.561	43	104262	17.34	ug/L		97
21) trans-1,2-Dichloroethene	5.555	61	20401	3.61	ug/L		95
22) Hexane	5.659	56	11863	3.94	ug/L	#	83
23) Methyl Tert Butyl Ether	5.696	73	38299	3.55	ug/L		97
24) Tert butyl alcohol	5.799	59	70231	31.12	ug/L		94
25) Acetonitrile	5.964	41	61275	47.46	ug/L		99
26) Di-isopropyl ether	6.153	45	47183	3.55	ug/L		95
27) Chloroprene	6.287	53	5394	4.66	ug/L		93
28) 1,1-Dichloroethane	6.305	63	26739	3.76	ug/L		97
29) Acrylonitrile	6.360	53	56133	16.30	ug/L		97
30) ETBE	6.586	59	47124	3.55	ug/L		95
31) Vinyl acetate	6.598	43	153917	14.79	ug/L		96
32) cis-1,2-Dichloroethene	6.958	96	13355	3.67	ug/L		98
33) 2,2-Dichloropropane	7.067	77	21093	3.64	ug/L		97
34) Bromochloromethane	7.189	128	6063	3.44	ug/L		96
35) Cyclohexane	7.207	56	24023	3.62	ug/L		98
36) Chloroform	7.256	83	24890	3.47	ug/L		94
37) Ethyl acetate	7.372	43	154551	16.46	ug/L		98
38) Tetrahydrofuran	7.445	42	14398	3.79	ug/L		90
40) Carbon Tetrachloride	7.433	117	19273	3.76	ug/L		96
41) 1,1,1-Trichloroethane	7.500	97	22495	3.78	ug/L		97
42) 2-Butanone	7.585	43	82341	15.26	ug/L		98
43) 1,1-Dichloropropene	7.646	75	18421	3.64	ug/L		94
44) tert-Butyl Formate	7.732	59	82430	22.61	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750991.D
Acq On : 30 Aug 2022 11:44 am
Operator : adelardl
Sample : IC2679-2
Misc : MS52156,VI2679,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 12:37:41 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	7.896	54	72611	46.58	ug/L		94
46) Methacrylonitrile	7.921	41	235543	51.99	ug/L		97
47) Benzene	7.909	78	53145	3.70	ug/L	#	66
48) TAME	8.012	73	38385	3.51	ug/L		97
50) Isobutyl alcohol	8.085	42	39818	79.75	ug/L		97
51) 1,2-Dichloroethane	8.122	62	21135	3.69	ug/L		97
52) Tert Amyl Alcohol	8.195	59	60907	31.47	ug/L		97
53) Trichloroethene	8.537	95	14983	3.92	ug/L		91
54) Methylcyclohexane	8.543	83	18110	3.52	ug/L		89
55) Dibromomethane	8.982	93	8688	3.65	ug/L		83
56) 1,2-Dichloropropane	9.067	63	14913	3.74	ug/L		95
57) Bromodichloromethane	9.128	83	18394	3.73	ug/L		99
58) Methyl methacrylate	9.262	41	23634	4.58	ug/L		96
59) 1,4-Dioxane	9.323	88	6140	42.29	ug/L		89
60) 2-Chloroethyl vinyl ether	9.670	63	67573	21.21	ug/L		98
61) cis-1,3-Dichloropropene	9.762	75	20408	3.63	ug/L		96
64) Toluene	10.006	91	56206	3.50	ug/L		97
65) 2-Nitropropane	10.207	41	35580	14.13	ug/L		86
66) 4-Methyl-2-pentanone	10.341	43	154356	16.08	ug/L		99
67) trans-1,3-Dichloropropene	10.414	75	16313	3.23	ug/L		91
68) Tetrachloroethene	10.420	166	16368	3.75	ug/L		95
69) Ethyl methacrylate	10.530	69	25635	4.59	ug/L		99
70) 1,1,2-Trichloroethane	10.573	83	10584	3.39	ug/L		97
71) Dibromochloromethane	10.768	129	13360	3.24	ug/L		92
72) 1,3-Dichloropropane	10.853	76	20995	3.37	ug/L		92
73) 1,2-Dibromoethane	11.030	107	13257	3.36	ug/L		100
74) 3,3-dimethyl-1-butanol	11.127	57	313880m	174.06	ug/L		
75) 2-hexanone	11.170	43	125178	14.91	ug/L		95
76) 1-Chlorohexane	11.475	91	17014	3.50	ug/L		97
77) Ethylbenzene	11.542	91	62321	3.46	ug/L		97
78) Chlorobenzene	11.536	112	35459	3.55	ug/L		96
79) 1,1,1,2-Tetrachloroethane	11.585	131	13428	3.63	ug/L		98
80) m,p-Xylene	11.682	91	90162	6.59	ug/L		98
81) o-Xylene	12.115	91	45105	3.30	ug/L		99
82) Styrene	12.176	104	32228	3.26	ug/L		96
83) Bromoform	12.225	173	9410	3.03	ug/L		94
84) Isopropylbenzene	12.426	105	54798	3.32	ug/L		98
87) cis-1,4-Dichloro-2-butene	12.773	53	11916	5.14	ug/L		86
88) n-Propylbenzene	12.847	91	67689	3.67	ug/L		99
89) Bromobenzene	12.859	156	14317	3.62	ug/L		95
90) 1,1,2,2-Tetrachloroethane	12.902	83	22500	3.67	ug/L		93
91) 1,3,5-Trimethylbenzene	13.030	105	46256	3.57	ug/L		99
92) 2-Chlorotoluene	13.030	91	46546	3.77	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.091	53	8394	3.38	ug/L	#	77
94) 1,2,3-Trichloropropane	13.060	110	7047	3.53	ug/L		94
95) Cyclohexanone	13.121	55	9747	13.05	ug/L		90
96) 4-Chlorotoluene	13.200	91	40911	3.70	ug/L		98
97) tert-Butylbenzene	13.365	91	27307	3.70	ug/L		95
98) 1,2,4-Trimethylbenzene	13.438	105	42982	3.43	ug/L		98
99) Pentachloroethane	13.414	167	11957	5.21	ug/L	#	82
100) sec-Butylbenzene	13.548	105	54952	3.69	ug/L		99
101) 4-Isopropyltoluene	13.682	119	44017	3.46	ug/L		98
102) 1,3-Dichlorobenzene	13.816	146	24964	3.57	ug/L		98
103) 1,2,3-Trimethylbenzene	13.895	105	45817	3.56	ug/L		92
104) 1,4-Dichlorobenzene	13.895	146	27178	3.61	ug/L		95
105) n-Butylbenzene	14.127	92	24858	3.49	ug/L		90
106) Benzyl Chloride	14.139	126	6152	3.02	ug/L		97
107) 1,2-Dichlorobenzene	14.340	146	24918	3.62	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750991.D
Acq On : 30 Aug 2022 11:44 am
Operator : adelardl
Sample : IC2679-2
Misc : MS52156,VI2679,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 12:37:41 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

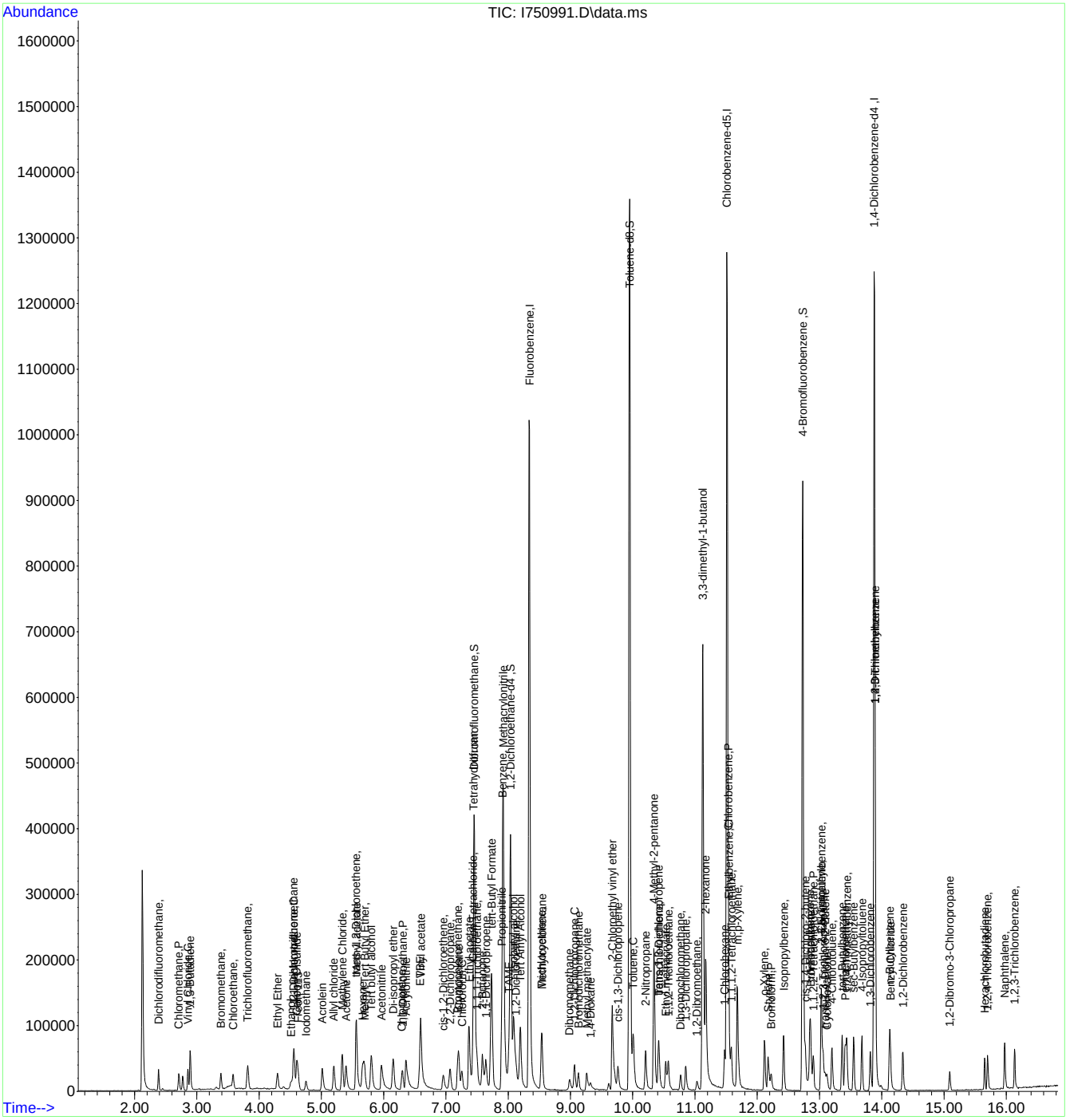
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	6483	3.35	ug/L	94
109) Hexachlorobutadiene	15.651	225	7293	3.70	ug/L	92
110) 1,2,4-Trichlorobenzene	15.700	180	16074	3.59	ug/L	97
111) Naphthalene	15.974	128	51460	3.23	ug/L	97
112) 1,2,3-Trichlorobenzene	16.133	180	16067	3.56	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750991.D
Acq On : 30 Aug 2022 11:44 am
Operator : adelardl
Sample : IC2679-2
Misc : MS52156,VI2679,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 12:37:41 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration



Manual Integration Approval Summary

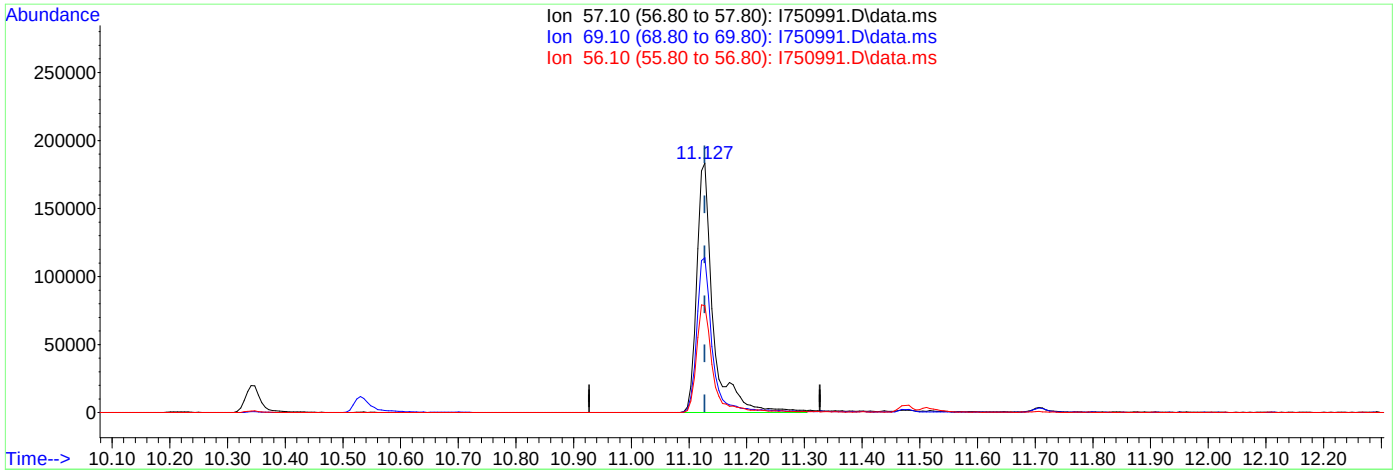
Sample Number: VI2679-IC2679
Lab FileID: I750991.D
Injection Time: 08/30/22 11:44
Method: SW846 8260D
Analyst approved: 08/30/22 17:27 Adelard Lefebvre
Supervisor approved: 09/01/22 05:05 Jennifer Fereira

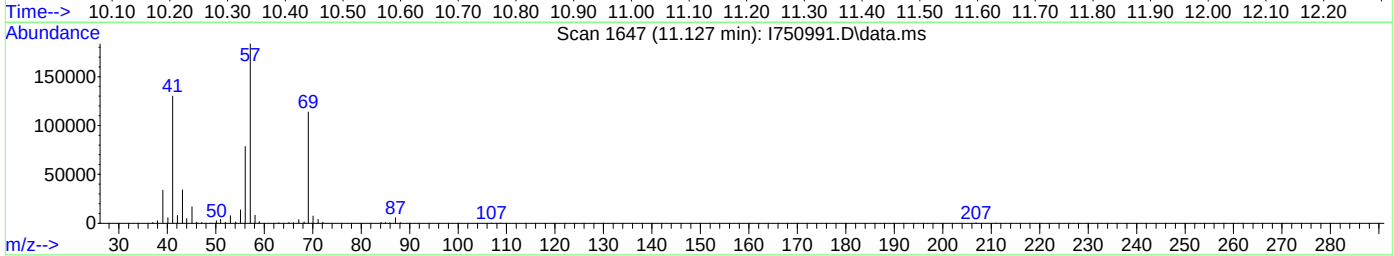
Parameter	CAS	Sig#	R.T. (min.)	Reason
3,3-Dimethyl-1-Butanol	624-95-3		11.13	Overlapping peak

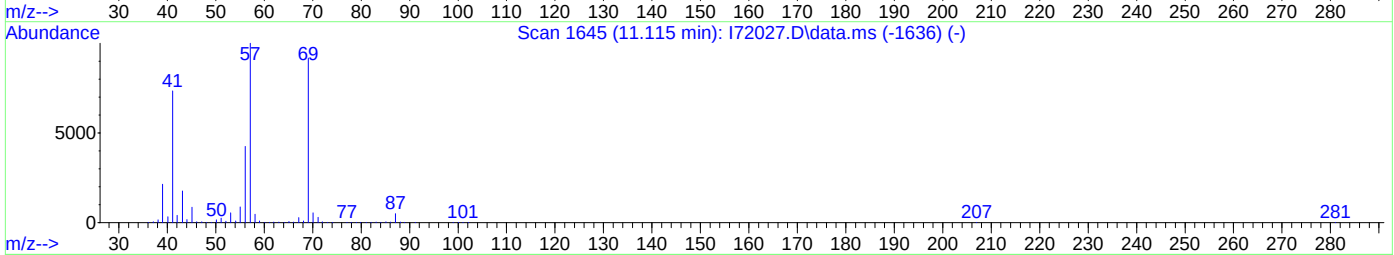
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750991.D
Acq On : 30 Aug 2022 11:44 am
Operator : adelardl
Sample : IC2679-2
Misc : MS52156,VI2679,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 12:36:02 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750991.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.127min (+0.000) 204.26ug/L

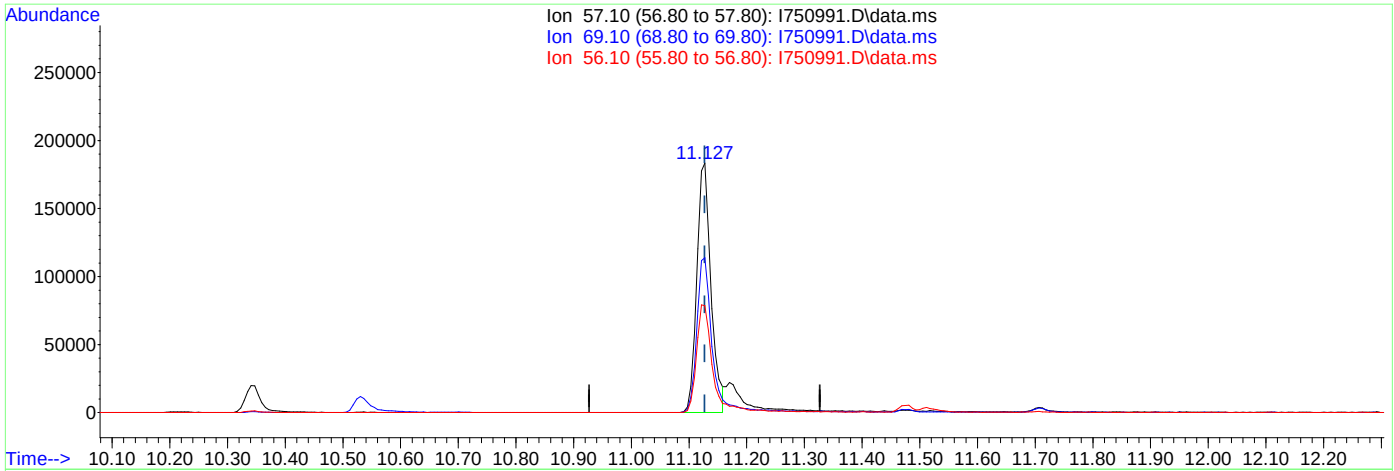
response 368495

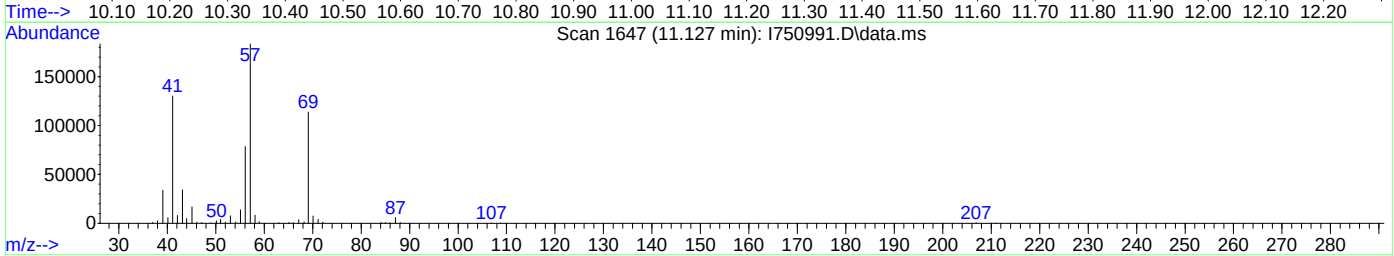
Ion	Exp%	Act%
57.10	100	100
69.10	63.30	61.96
56.10	43.90	42.80
0.00	0.00	0.00

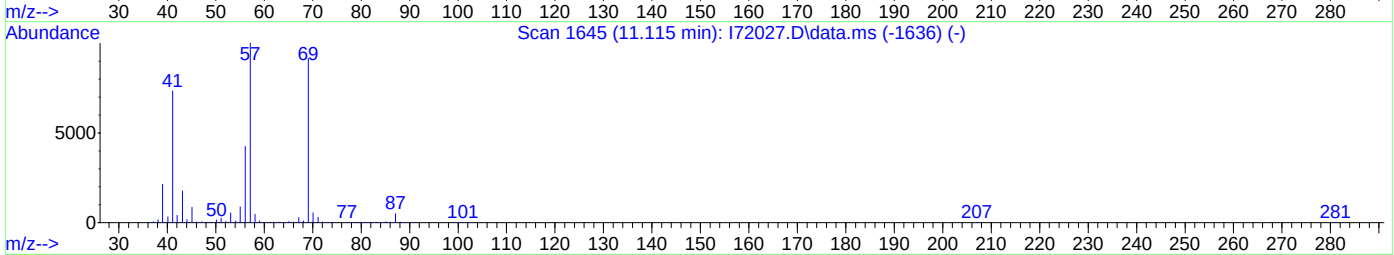
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750991.D
Acq On : 30 Aug 2022 11:44 am
Operator : adelardl
Sample : IC2679-2
Misc : MS52156,VI2679,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 12:36:02 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750991.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.127min (+0.000) 174.06ug/L m

response 313880

Ion	Exp%	Act%
57.10	100	100
69.10	63.30	61.96
56.10	43.90	42.80
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Fereira
09/01/22 05:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750992.D
Acq On : 30 Aug 2022 12:08 pm
Operator : adelardl
Sample : IC2679-3
Misc : MS52156,VI2679,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 13:47:23 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.341	96	873517	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	623173	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	315741	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.457	113	238894	49.10	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.20%		
49) 1,2-Dichloroethane-d4	8.037	65	280296	50.24	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	100.48%		
63) Toluene-d8	9.951	98	859054	49.36	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	98.72%		
86) 4-Bromofluorobenzene	12.731	174	259008	48.91	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	97.82%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.385	85	37241	12.17	ug/L	98
3) Chloromethane	2.714	50	47624	10.14	ug/L	97
4) Vinyl Chloride	2.861	62	43325	9.90	ug/L	100
5) 1,3-Butadiene	2.897	39	35010	8.81	ug/L	96
6) Bromomethane	3.391	94	24984	9.39	ug/L	98
7) Chloroethane	3.586	64	21860	9.16	ug/L	94
8) Trichlorofluoromethane	3.812	101	53853	9.26	ug/L	99
9) Ethyl Ether	4.300	59	32558	8.83	ug/L	97
10) 1,2-Dichlorotrifluoroe...	4.562	67	37210	9.23	ug/L	98
11) 1,1-Dichloroethene	4.562	61	52963	8.82	ug/L	99
12) Ethanol	4.525	45	35534	167.60	ug/L	94
13) Freon 113	4.617	101	30710	8.89	ug/L	94
14) Carbon Disulfide	4.604	76	91318	8.58	ug/L	98
15) Iodomethane	4.751	142	34499	6.94	ug/L	98
16) Acrolein	5.013	56	73717	50.10	ug/L	99
17) Allyl chloride	5.202	41	46982	8.52	ug/L	97
18) Methylene Chloride	5.336	49	67505	9.89	ug/L	98
19) Acetone	5.397	43	144131	42.19	ug/L	99
20) Methyl acetate	5.561	43	261886	42.79	ug/L	99
21) trans-1,2-Dichloroethene	5.561	61	48918	8.50	ug/L	97
22) Hexane	5.659	56	23630m	7.81	ug/L	
23) Methyl Tert Butyl Ether	5.696	73	92743	8.45	ug/L	99
24) Tert butyl alcohol	5.805	59	194232	84.55	ug/L	98
25) Acetonitrile	5.964	41	110011	84.01	ug/L	99
26) Di-isopropyl ether	6.153	45	112733	8.33	ug/L	96
27) Chloroprene	6.293	53	9647	8.19	ug/L	89
28) 1,1-Dichloroethane	6.305	63	62210	8.60	ug/L	99
29) Acrylonitrile	6.348	53	126748	36.33	ug/L	98
30) ETBE	6.586	59	113431	8.38	ug/L	100
31) Vinyl acetate	6.592	43	367233	34.79	ug/L	98
32) cis-1,2-Dichloroethene	6.958	96	32665	8.82	ug/L	94
33) 2,2-Dichloropropane	7.067	77	50253	8.55	ug/L	99
34) Bromochloromethane	7.183	128	15018	8.40	ug/L	87
35) Cyclohexane	7.207	56	59154	8.80	ug/L	99
36) Chloroform	7.256	83	62811	8.66	ug/L	95
37) Ethyl acetate	7.366	43	353668	37.27	ug/L	98
38) Tetrahydrofuran	7.451	42	32678	8.50	ug/L	95
40) Carbon Tetrachloride	7.433	117	45357	8.73	ug/L	99
41) 1,1,1-Trichloroethane	7.500	97	52285	8.66	ug/L	98
42) 2-Butanone	7.579	43	220556	40.35	ug/L	99
43) 1,1-Dichloropropene	7.640	75	43532	8.44	ug/L	92
44) tert-Butyl Formate	7.732	59	187602	50.16	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750992.D
Acq On : 30 Aug 2022 12:08 pm
Operator : adelardl
Sample : IC2679-3
Misc : MS52156,VI2679,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 13:47:23 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) Propionitrile	7.890	54	138846	87.50	ug/L	91
46) Methacrylonitrile	7.921	41	393627	85.35	ug/L	99
47) Benzene	7.909	78	125517	8.58	ug/L	87
48) TAME	8.012	73	92960	8.38	ug/L	98
50) Isobutyl alcohol	8.091	42	79312	156.05	ug/L	96
51) 1,2-Dichloroethane	8.122	62	49318	8.50	ug/L	99
52) Tert Amyl Alcohol	8.195	59	163256	82.86	ug/L	97
53) Trichloroethene	8.537	95	35028	9.00	ug/L	90
54) Methylcyclohexane	8.537	83	46262	8.89	ug/L	99
55) Dibromomethane	8.982	93	21705	8.97	ug/L	93
56) 1,2-Dichloropropane	9.061	63	36379	8.95	ug/L	97
57) Bromodichloromethane	9.128	83	43211	8.61	ug/L	99
58) Methyl methacrylate	9.256	41	40555	7.72	ug/L	98
59) 1,4-Dioxane	9.323	88	22131	149.76	ug/L	100
60) 2-Chloroethyl vinyl ether	9.670	63	156977	48.34	ug/L	99
61) cis-1,3-Dichloropropene	9.762	75	49426	8.63	ug/L	99
64) Toluene	10.006	91	134250	8.54	ug/L	97
65) 2-Nitropropane	10.207	41	91190	37.03	ug/L	90
66) 4-Methyl-2-pentanone	10.341	43	381972	40.96	ug/L	100
67) trans-1,3-Dichloropropene	10.408	75	42950	8.69	ug/L	95
68) Tetrachloroethene	10.414	166	38367	9.03	ug/L	92
69) Ethyl methacrylate	10.530	69	44113	8.08	ug/L	95
70) 1,1,2-Trichloroethane	10.567	83	26264	8.63	ug/L	96
71) Dibromochloromethane	10.768	129	33958	8.41	ug/L	91
72) 1,3-Dichloropropane	10.847	76	50504	8.30	ug/L	98
73) 1,2-Dibromoethane	11.030	107	33206	8.60	ug/L	97
74) 3,3-dimethyl-1-butanol	11.127	57	818749m	462.18	ug/L	
75) 2-hexanone	11.170	43	326359	40.13	ug/L	99
76) 1-Chlorohexane	11.475	91	40620	8.54	ug/L	89
77) Ethylbenzene	11.536	91	149452	8.48	ug/L	97
78) Chlorobenzene	11.536	112	85380	8.73	ug/L	99
79) 1,1,1,2-Tetrachloroethane	11.585	131	31518	8.72	ug/L	98
80) m,p-Xylene	11.676	91	222220	16.60	ug/L	99
81) o-Xylene	12.115	91	108305	8.09	ug/L	97
82) Styrene	12.170	104	78185	8.09	ug/L	98
83) Bromoform	12.225	173	24539	8.08	ug/L	97
84) Isopropylbenzene	12.420	105	134061	8.31	ug/L	99
87) cis-1,4-Dichloro-2-butene	12.767	53	20380	8.41	ug/L	83
88) n-Propylbenzene	12.847	91	163335	8.46	ug/L	99
89) Bromobenzene	12.859	156	35916	8.67	ug/L	91
90) 1,1,2,2-Tetrachloroethane	12.902	83	53848	8.41	ug/L	99
91) 1,3,5-Trimethylbenzene	13.023	105	112276	8.29	ug/L	99
92) 2-Chlorotoluene	13.030	91	108839	8.43	ug/L	97
93) trans-1,4-Dichloro-2-B...	13.084	53	20336	7.85	ug/L	77
94) 1,2,3-Trichloropropane	13.060	110	17013	8.19	ug/L	93
95) Cyclohexanone	13.121	55	28718	36.77	ug/L	98
96) 4-Chlorotoluene	13.194	91	96147	8.32	ug/L	100
97) tert-Butylbenzene	13.365	91	63676	8.25	ug/L	98
98) 1,2,4-Trimethylbenzene	13.432	105	109370	8.34	ug/L	99
99) Pentachloroethane	13.414	167	19721	8.21	ug/L	90
100) sec-Butylbenzene	13.548	105	133577	8.57	ug/L	100
101) 4-Isopropyltoluene	13.682	119	109558	8.24	ug/L	99
102) 1,3-Dichlorobenzene	13.816	146	60290	8.25	ug/L	99
103) 1,2,3-Trimethylbenzene	13.895	105	113176	8.40	ug/L	97
104) 1,4-Dichlorobenzene	13.895	146	67736	8.61	ug/L	98
105) n-Butylbenzene	14.127	92	61751	8.30	ug/L	98
106) Benzyl Chloride	14.139	126	15975	7.47	ug/L	92
107) 1,2-Dichlorobenzene	14.334	146	60648	8.42	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750992.D
Acq On : 30 Aug 2022 12:08 pm
Operator : adelardl
Sample : IC2679-3
Misc : MS52156,VI2679,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 13:47:23 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

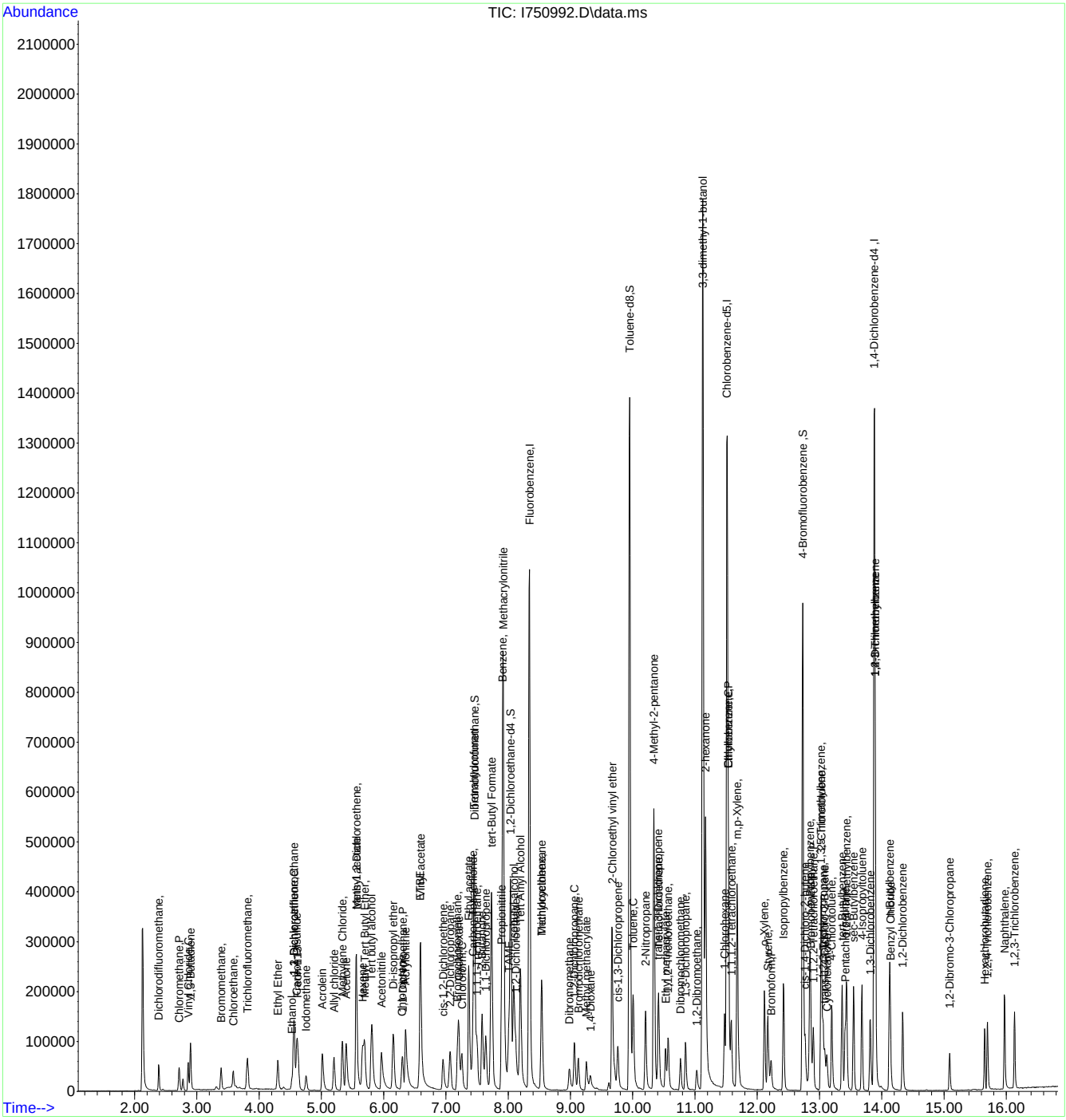
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	15248	7.54	ug/L	90
109) Hexachlorobutadiene	15.651	225	18043	8.74	ug/L	95
110) 1,2,4-Trichlorobenzene	15.700	180	37793	8.08	ug/L	97
111) Naphthalene	15.974	128	126839	7.61	ug/L	99
112) 1,2,3-Trichlorobenzene	16.133	180	39134	8.30	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750992.D
Acq On : 30 Aug 2022 12:08 pm
Operator : adelardl
Sample : IC2679-3
Misc : MS52156,VI2679,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 13:47:23 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration



Manual Integration Approval Summary

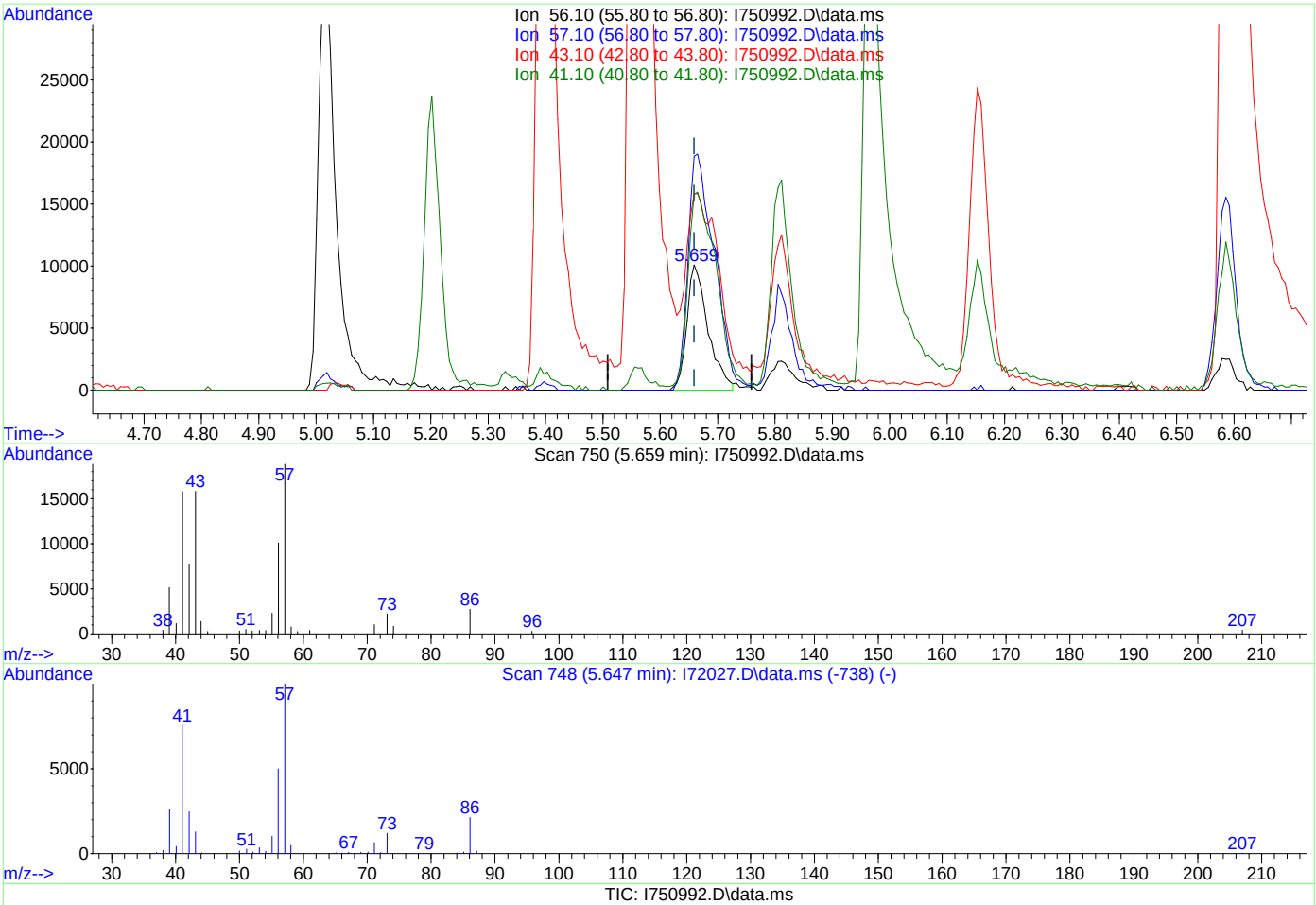
Sample Number: VI2679-IC2679
Lab FileID: I750992.D
Injection Time: 08/30/22 12:08
Method: SW846 8260D
Analyst approved: 08/30/22 17:27 Adelard Lefebvre
Supervisor approved: 09/01/22 05:05 Jennifer Fereira

Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.66	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.13	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750992.D
Acq On : 30 Aug 2022 12:08 pm
Operator : adelardl
Sample : IC2679-3
Misc : MS52156,VI2679,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 13:42:38 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration



TIC: I750992.D\data.ms

(22) Hexane

5.659min (+0.000) 8.59ug/L

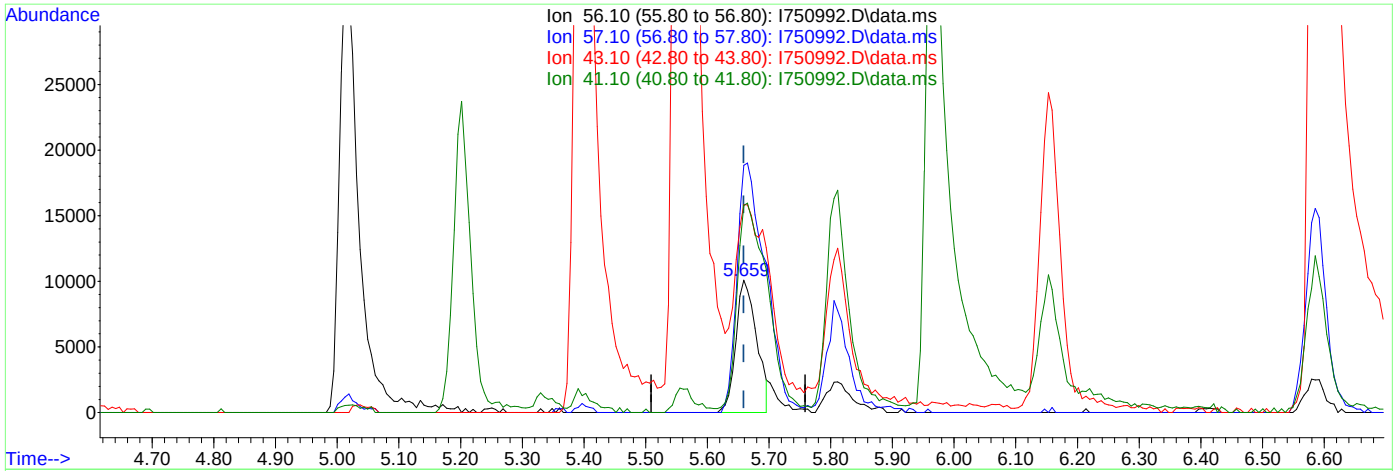
response 25934

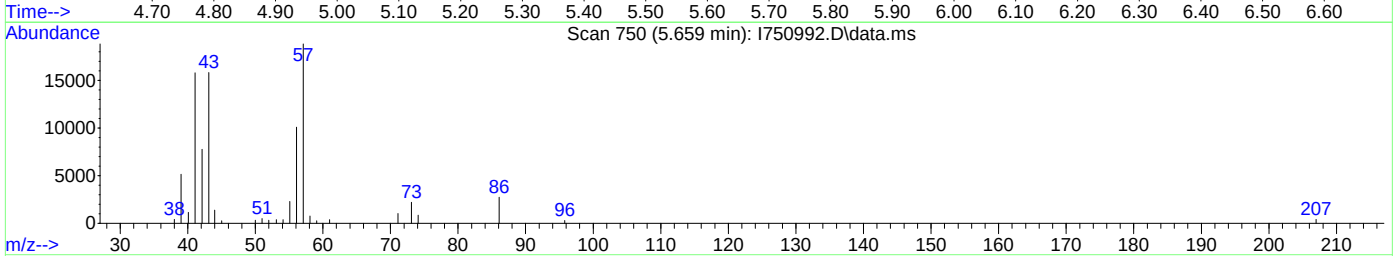
Ion	Exp%	Act%
56.10	100	100
57.10	190.50	186.69
43.10	122.60	127.89
41.10	142.70	153.31

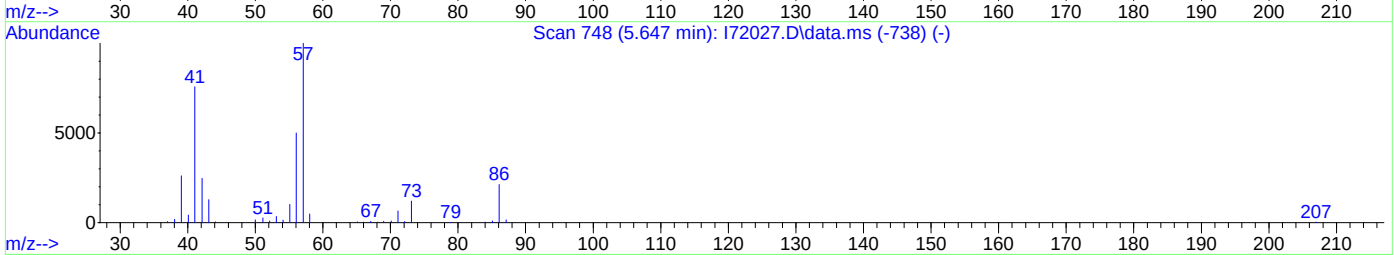
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750992.D
Acq On : 30 Aug 2022 12:08 pm
Operator : adelardl
Sample : IC2679-3
Misc : MS52156,VI2679,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 13:42:38 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750992.D\data.ms

(22) Hexane

5.659min (+0.000) 7.81ug/L m

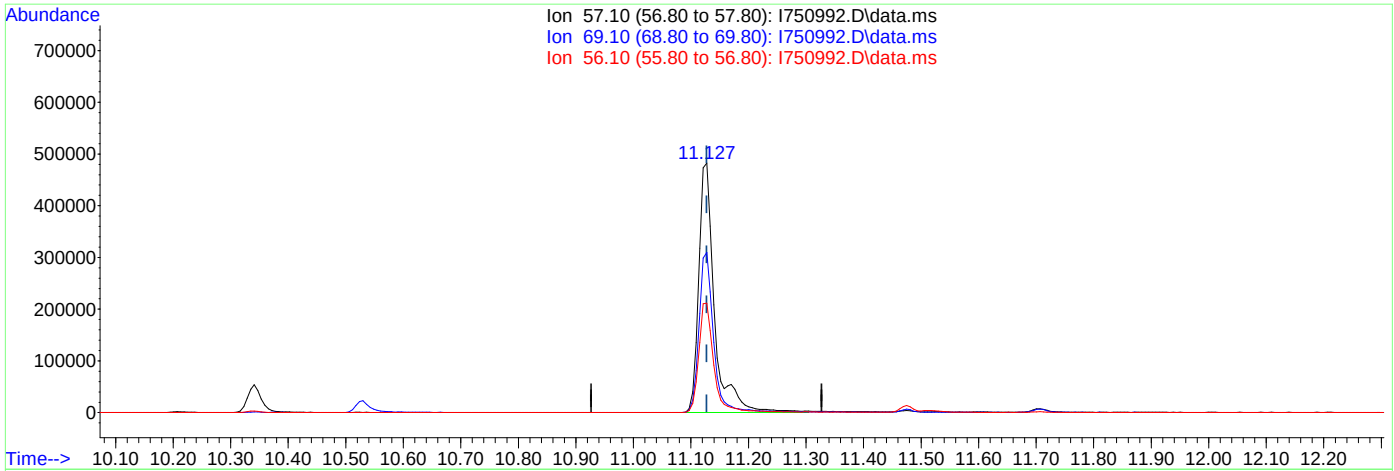
response 23630

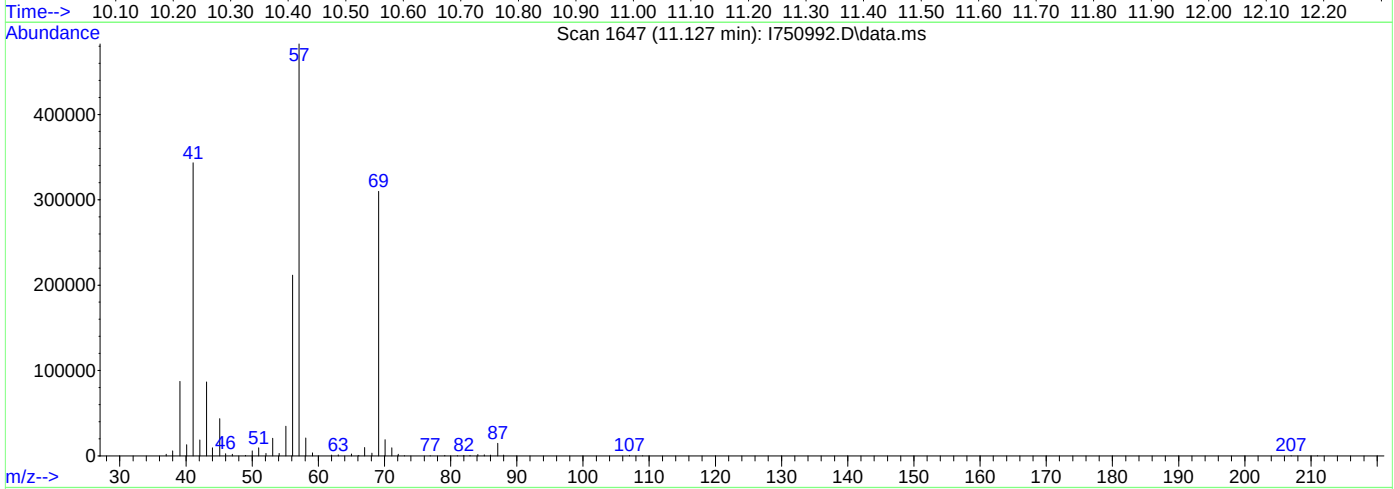
Ion	Exp%	Act%
56.10	100	100
57.10	190.50	186.69
43.10	122.60	156.81#
41.10	142.70	156.39

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750992.D
Acq On : 30 Aug 2022 12:08 pm
Operator : adelardl
Sample : IC2679-3
Misc : MS52156,VI2679,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 13:43:31 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration





TIC: I750992.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.127min (+0.000) 525.22ug/L

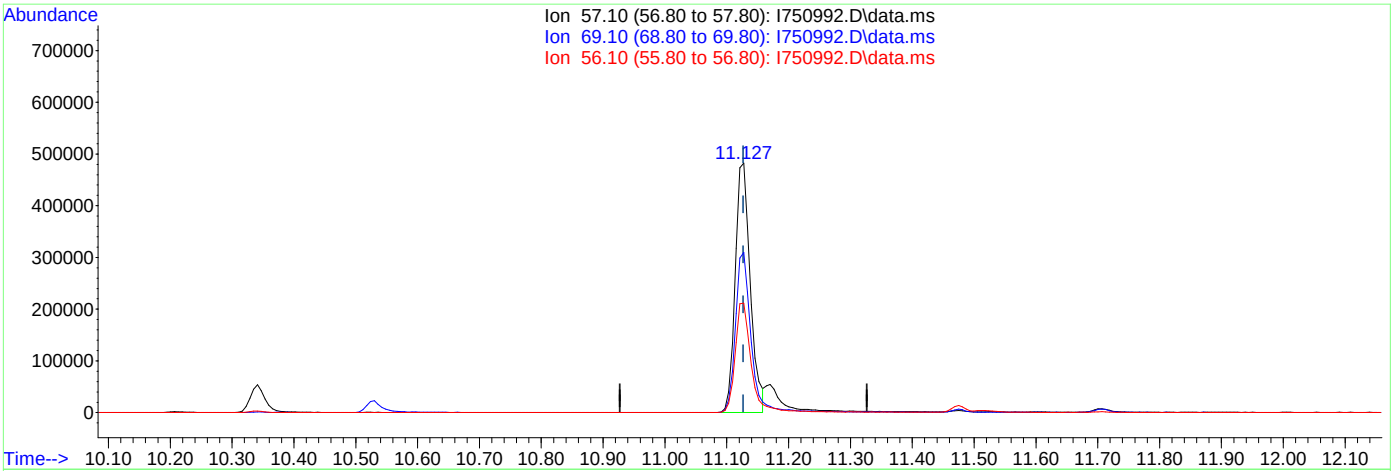
response 931286

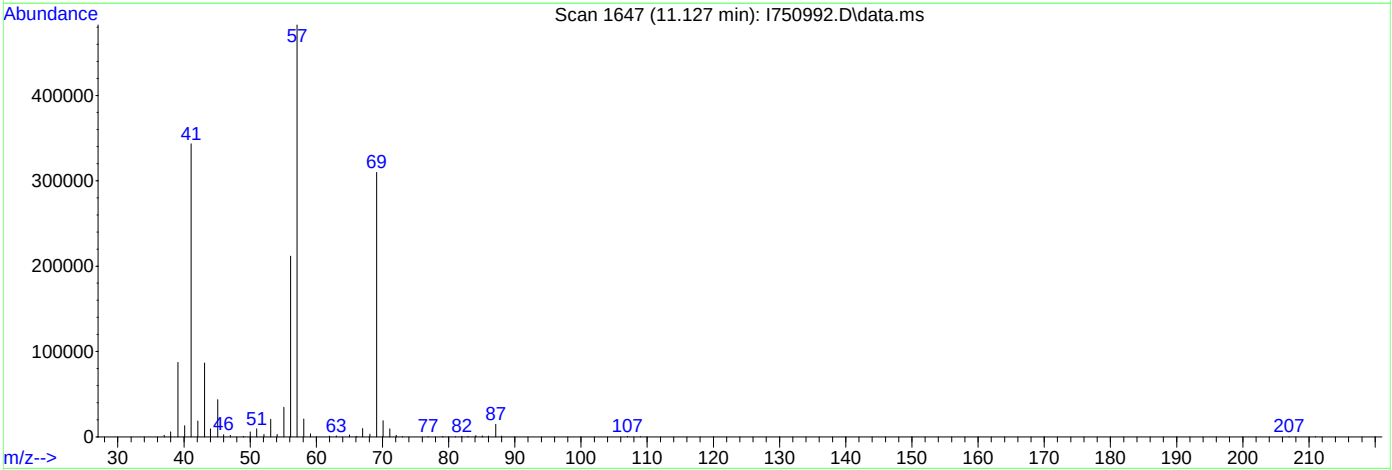
Ion	Exp%	Act%
57.10	100	100
69.10	63.30	64.11
56.10	43.90	43.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750992.D
Acq On : 30 Aug 2022 12:08 pm
Operator : adelardl
Sample : IC2679-3
Misc : MS52156,VI2679,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 13:43:31 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration





TIC: I750992.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.127min (+0.000) 462.18ug/L m

response 818749

Ion	Exp%	Act%
57.10	100	100
69.10	63.30	64.17
56.10	43.90	43.87
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Fereira
09/01/22 05:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750993.D
Acq On : 30 Aug 2022 12:32 pm
Operator : adelardl
Sample : IC2679-4
Misc : MS52156,VI2679,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 13:46:31 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.342	96	884488	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	643795	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	327392	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.452	113	244722	49.67	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.34%		
49) 1,2-Dichloroethane-d4	8.037	65	281659	49.86	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	99.72%		
63) Toluene-d8	9.951	98	881408	49.03	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	98.06%		
86) 4-Bromofluorobenzene	12.731	174	268958	48.98	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	97.96%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.385	85	97746	32.64	ug/L	94
3) Chloromethane	2.709	50	129611	27.50	ug/L	99
4) Vinyl Chloride	2.855	62	118167	27.00	ug/L	98
5) 1,3-Butadiene	2.898	39	81583	20.69	ug/L	100
6) Bromomethane	3.385	94	60297	22.66	ug/L	97
7) Chloroethane	3.580	64	58136	25.00	ug/L	99
8) Trichlorofluoromethane	3.800	101	145669	26.51	ug/L	98
9) Ethyl Ether	4.300	59	80699	21.62	ug/L	100
10) 1,2-Dichlorotrifluoroe...	4.556	67	94652	23.54	ug/L	96
11) 1,1-Dichloroethene	4.556	61	135954	22.60	ug/L	97
12) Ethanol	4.537	45	94659	449.38	ug/L	97
13) Freon 113	4.617	101	75491	22.02	ug/L	98
14) Carbon Disulfide	4.598	76	232858	21.73	ug/L	100
15) Iodomethane	4.751	142	98499	19.58	ug/L	97
16) Acrolein	5.013	56	162827	108.83	ug/L	94
17) Allyl chloride	5.196	41	111447	19.96	ug/L	98
18) Methylene Chloride	5.336	49	146883	21.86	ug/L	99
19) Acetone	5.397	43	355943	104.77	ug/L	99
20) Methyl acetate	5.556	43	698680	112.75	ug/L	100
21) trans-1,2-Dichloroethene	5.556	61	129241	22.19	ug/L	98
22) Hexane	5.659	56	58304m	19.80	ug/L	
23) Methyl Tert Butyl Ether	5.690	73	234532	21.10	ug/L	89
24) Tert butyl alcohol	5.812	59	489808	210.56	ug/L	100
25) Acetonitrile	5.958	41	275442	210.41	ug/L	98
26) Di-isopropyl ether	6.153	45	293770	21.44	ug/L	99
27) Chloroprene	6.281	53	24615	20.65	ug/L	95
28) 1,1-Dichloroethane	6.299	63	159984	21.83	ug/L	98
29) Acrylonitrile	6.342	53	367572	105.77	ug/L	99
30) ETBE	6.586	59	298128	21.76	ug/L	97
31) Vinyl acetate	6.586	43	1083025	102.71	ug/L	100
32) cis-1,2-Dichloroethene	6.946	96	84640	22.57	ug/L	96
33) 2,2-Dichloropropane	7.067	77	127596	21.63	ug/L	98
34) Bromochloromethane	7.177	128	39024	21.70	ug/L	98
35) Cyclohexane	7.202	56	151376	22.57	ug/L	97
36) Chloroform	7.250	83	150371	20.84	ug/L	97
37) Ethyl acetate	7.360	43	966169	102.92	ug/L	99
38) Tetrahydrofuran	7.445	42	82398	21.55	ug/L	96
40) Carbon Tetrachloride	7.433	117	114416	22.06	ug/L	98
41) 1,1,1-Trichloroethane	7.494	97	135486	22.47	ug/L	99
42) 2-Butanone	7.573	43	575781	105.34	ug/L	99
43) 1,1-Dichloropropene	7.634	75	117401	22.48	ug/L	94
44) tert-Butyl Formate	7.732	59	425700	110.55	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750993.D
Acq On : 30 Aug 2022 12:32 pm
Operator : adelardl
Sample : IC2679-4
Misc : MS52156,VI2679,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 13:46:31 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	7.890	54	346747	215.81	ug/L		97
46) Methacrylonitrile	7.915	41	973769	208.52	ug/L		99
47) Benzene	7.903	78	327620	22.12	ug/L		97
48) TAME	8.012	73	238858	21.50	ug/L		98
50) Isobutyl alcohol	8.092	42	215792	419.31	ug/L		99
51) 1,2-Dichloroethane	8.116	62	126295	21.82	ug/L		99
52) Tert Amyl Alcohol	8.195	59	424297	212.67	ug/L		98
53) Trichloroethene	8.531	95	87846	22.29	ug/L		94
54) Methylcyclohexane	8.537	83	117723	22.75	ug/L		97
55) Dibromomethane	8.976	93	54365	22.23	ug/L		96
56) 1,2-Dichloropropane	9.061	63	93276	22.68	ug/L		98
57) Bromodichloromethane	9.122	83	112850	22.22	ug/L		99
58) Methyl methacrylate	9.250	41	105194	19.77	ug/L		96
59) 1,4-Dioxane	9.317	88	63128	421.87	ug/L		97
60) 2-Chloroethyl vinyl ether	9.665	63	350354	106.25	ug/L		99
61) cis-1,3-Dichloropropene	9.756	75	129063	22.25	ug/L		97
64) Toluene	10.006	91	339696	20.91	ug/L		100
65) 2-Nitropropane	10.207	41	246086	96.73	ug/L		94
66) 4-Methyl-2-pentanone	10.341	43	974685	102.87	ug/L		99
67) trans-1,3-Dichloropropene	10.408	75	108194	21.17	ug/L		92
68) Tetrachloroethene	10.414	166	97915	22.59	ug/L		97
69) Ethyl methacrylate	10.524	69	114479	20.29	ug/L		97
70) 1,1,2-Trichloroethane	10.567	83	68476	21.98	ug/L		96
71) Dibromochloromethane	10.768	129	87945	21.08	ug/L		96
72) 1,3-Dichloropropane	10.847	76	135318	21.52	ug/L		99
73) 1,2-Dibromoethane	11.024	107	84824	21.26	ug/L		97
74) 3,3-dimethyl-1-butanol	11.128	57	1961664m	1062.56	ug/L		
75) 2-hexanone	11.170	43	829694	101.19	ug/L		98
76) 1-Chlorohexane	11.475	91	109321	22.25	ug/L		95
77) Ethylbenzene	11.536	91	382468	21.00	ug/L		98
78) Chlorobenzene	11.536	112	219670	21.73	ug/L		99
79) 1,1,1,2-Tetrachloroethane	11.585	131	81603	21.84	ug/L		97
80) m,p-Xylene	11.676	91	591601	42.77	ug/L		99
81) o-Xylene	12.115	91	293436	21.22	ug/L		96
82) Styrene	12.164	104	211339	21.18	ug/L		98
83) Bromoform	12.219	173	66014	21.03	ug/L		98
84) Isopropylbenzene	12.420	105	358940	21.55	ug/L		99
87) cis-1,4-Dichloro-2-butene	12.768	53	49996	19.89	ug/L		96
88) n-Propylbenzene	12.841	91	434230	21.70	ug/L		99
89) Bromobenzene	12.859	156	94543	22.01	ug/L		89
90) 1,1,2,2-Tetrachloroethane	12.902	83	139659	21.03	ug/L		99
91) 1,3,5-Trimethylbenzene	13.024	105	301498	21.46	ug/L		98
92) 2-Chlorotoluene	13.030	91	281258	21.02	ug/L		96
93) trans-1,4-Dichloro-2-B...	13.078	53	53595	20.14	ug/L		99
94) 1,2,3-Trichloropropane	13.054	110	43914	20.68	ug/L		98
95) Cyclohexanone	13.115	55	78885	97.40	ug/L		96
96) 4-Chlorotoluene	13.194	91	258071	21.54	ug/L		99
97) tert-Butylbenzene	13.365	91	169877	21.23	ug/L		97
98) 1,2,4-Trimethylbenzene	13.432	105	295047	21.71	ug/L		99
99) Pentachloroethane	13.414	167	49222	19.77	ug/L		96
100) sec-Butylbenzene	13.548	105	354655	21.94	ug/L		99
101) 4-Isopropyltoluene	13.682	119	299409	21.71	ug/L		98
102) 1,3-Dichlorobenzene	13.810	146	161108	21.26	ug/L		98
103) 1,2,3-Trimethylbenzene	13.895	105	298103	21.33	ug/L		99
104) 1,4-Dichlorobenzene	13.895	146	171227	20.99	ug/L		97
105) n-Butylbenzene	14.121	92	169494	21.97	ug/L		92
106) Benzyl Chloride	14.133	126	43990	19.56	ug/L	#	71
107) 1,2-Dichlorobenzene	14.334	146	158869	21.27	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750993.D
Acq On : 30 Aug 2022 12:32 pm
Operator : adelardl
Sample : IC2679-4
Misc : MS52156,VI2679,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 13:46:31 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

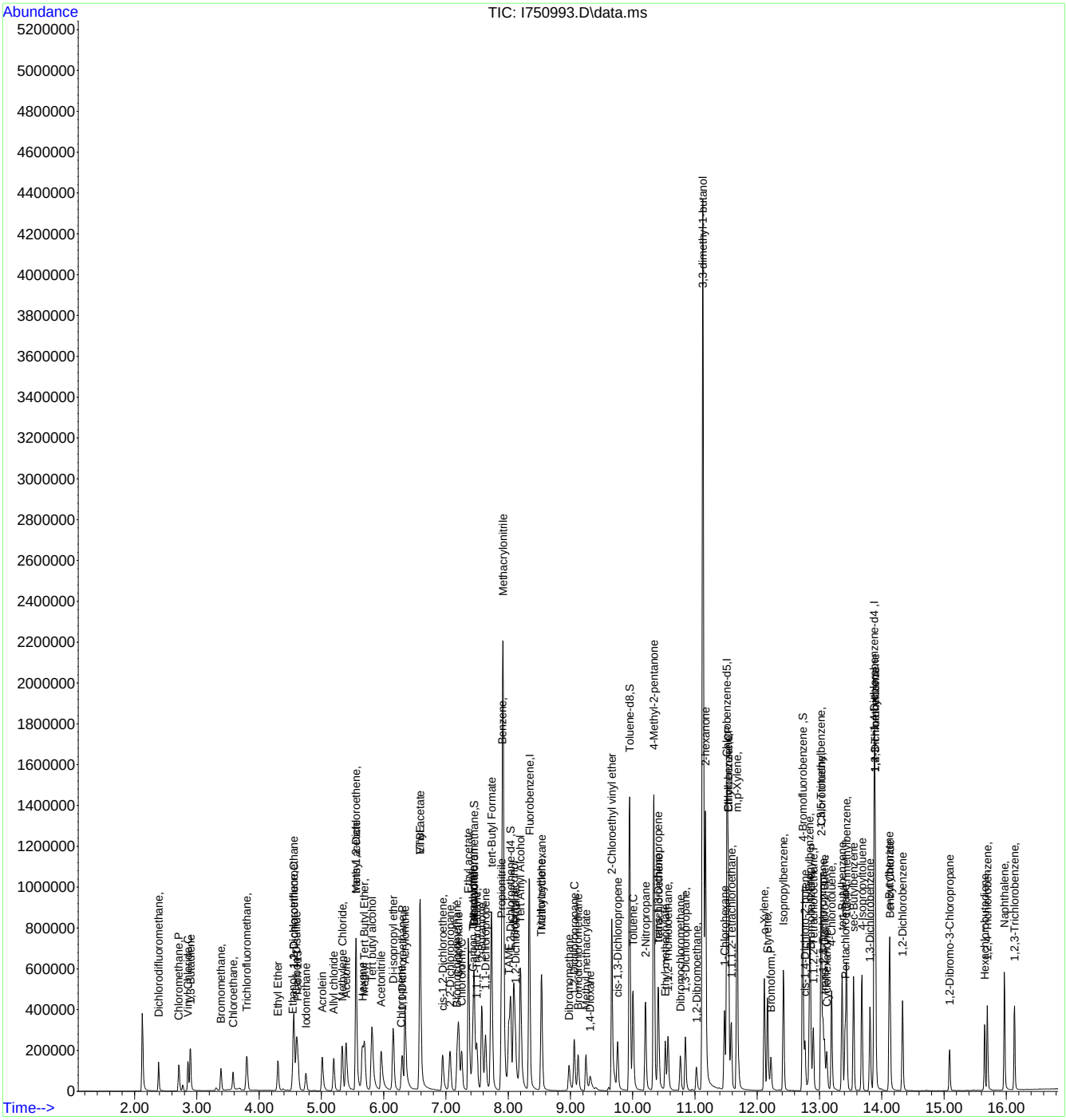
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	41383	19.74	ug/L	96
109) Hexachlorobutadiene	15.651	225	48848	22.83	ug/L	99
110) 1,2,4-Trichlorobenzene	15.694	180	106030	21.86	ug/L	96
111) Naphthalene	15.968	128	353496	20.45	ug/L	100
112) 1,2,3-Trichlorobenzene	16.133	180	105065	21.48	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750993.D
Acq On : 30 Aug 2022 12:32 pm
Operator : adelardl
Sample : IC2679-4
Misc : MS52156,VI2679,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 13:46:31 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration



Manual Integration Approval Summary

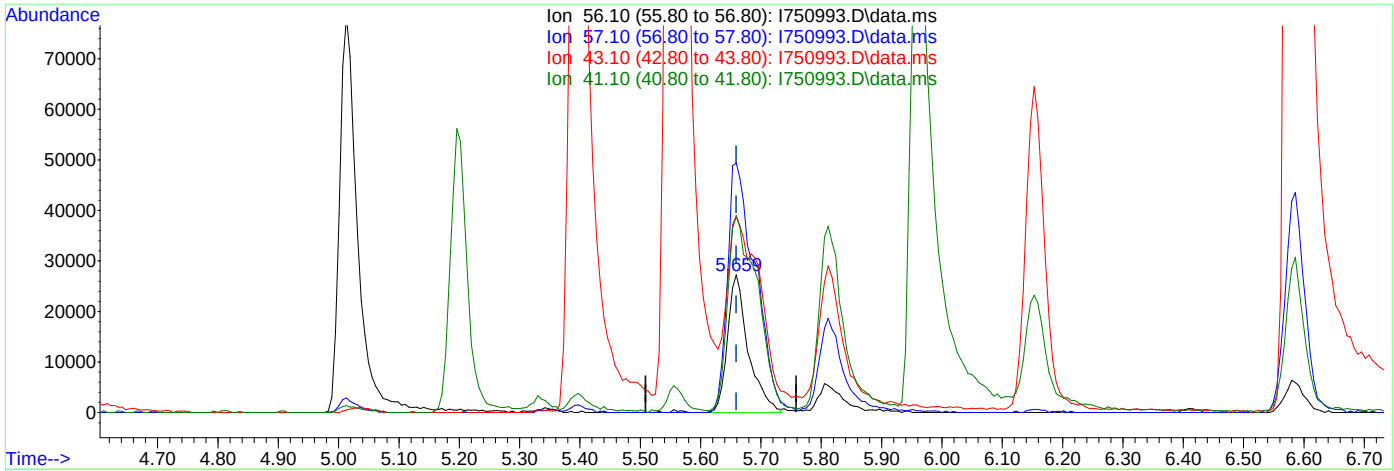
Sample Number: VI2679-IC2679
Lab FileID: I750993.D
Injection Time: 08/30/22 12:32
Method: SW846 8260D
Analyst approved: 08/30/22 17:27 Adelard Lefebvre
Supervisor approved: 09/01/22 05:05 Jennifer Fereira

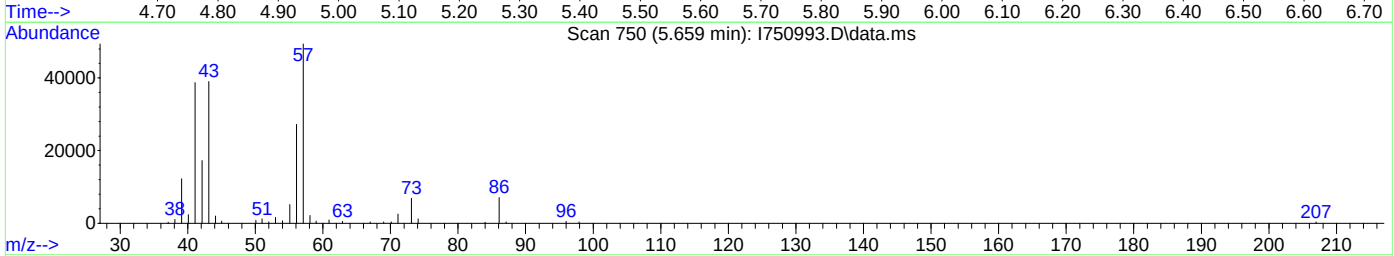
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.66	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.13	Overlapping peak

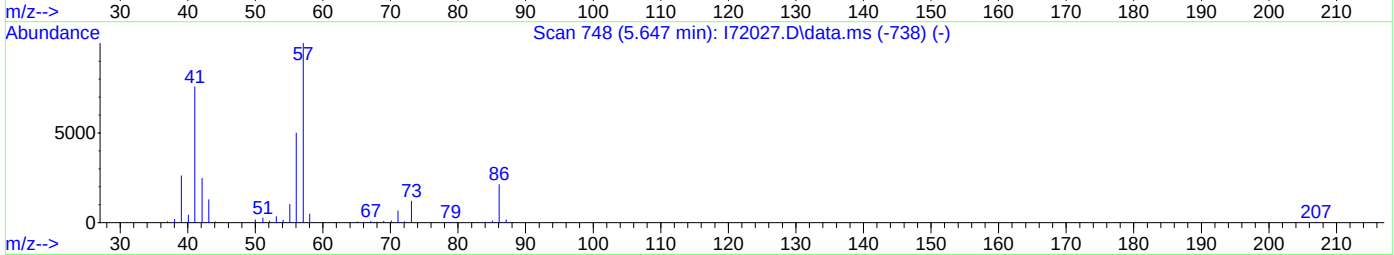
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750993.D
Acq On : 30 Aug 2022 12:32 pm
Operator : adelardl
Sample : IC2679-4
Misc : MS52156,VI2679,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 13:42:41 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750993.D\data.ms

(22) Hexane

5.659min (+0.000) 22.44ug/L

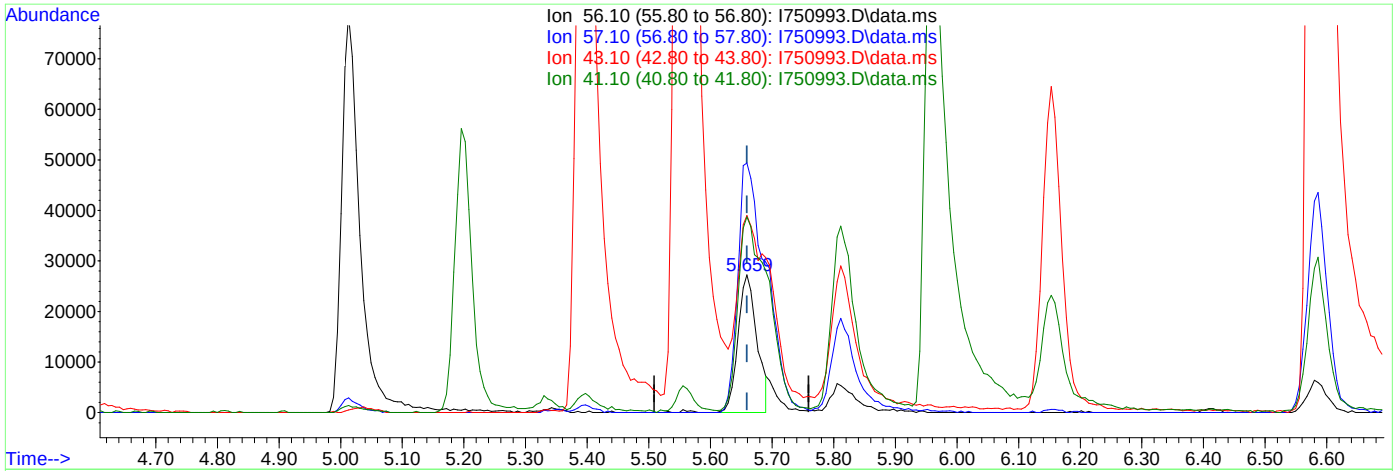
response 65488

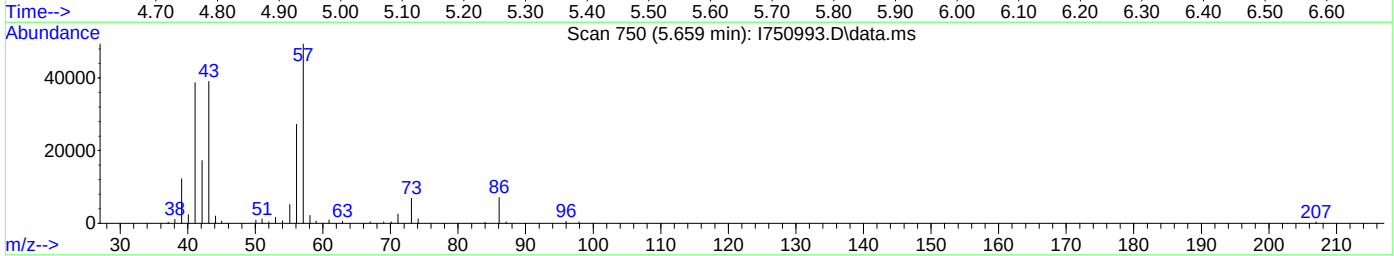
Ion	Exp%	Act%
56.10	100	100
57.10	190.50	181.43
43.10	122.60	127.33
41.10	142.70	140.53

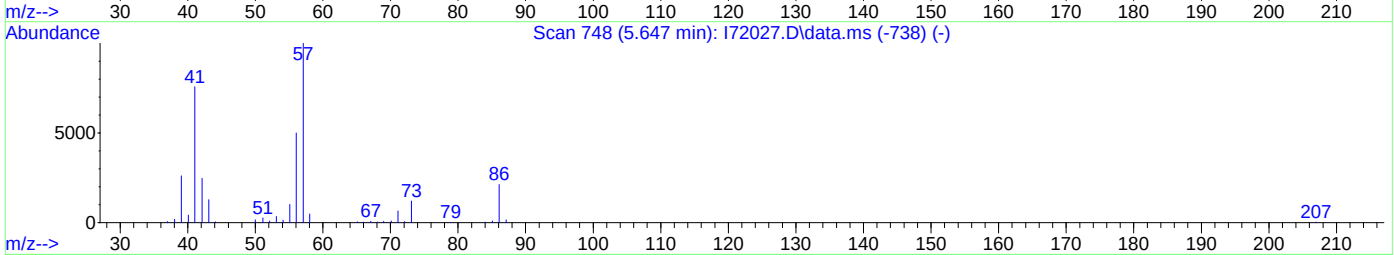
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750993.D
Acq On : 30 Aug 2022 12:32 pm
Operator : adelardl
Sample : IC2679-4
Misc : MS52156,VI2679,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 13:42:41 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750993.D\data.ms

(22) Hexane

5.659min (+0.000) 19.80ug/L m

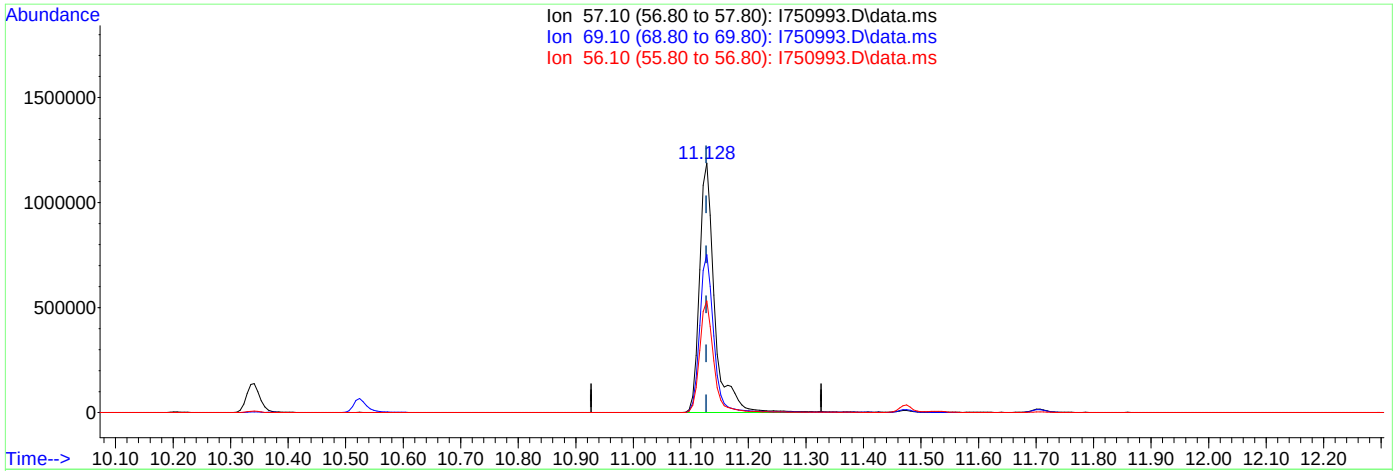
response 58304

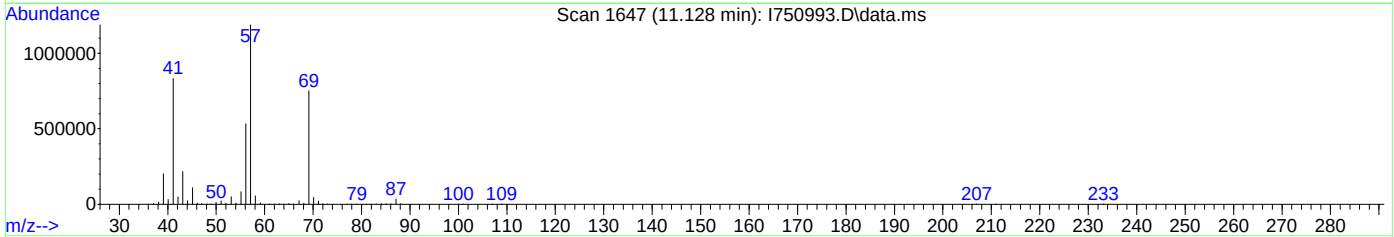
Ion	Exp%	Act%
56.10	100	100
57.10	190.50	181.43
43.10	122.60	143.20
41.10	142.70	142.29

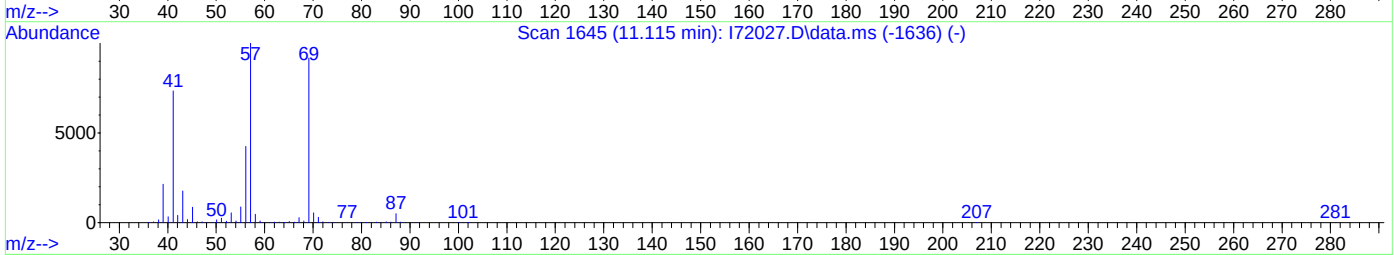
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750993.D
Acq On : 30 Aug 2022 12:32 pm
Operator : adelardl
Sample : IC2679-4
Misc : MS52156,VI2679,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 13:42:41 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750993.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.128min (+0.001) 1182.91ug/L

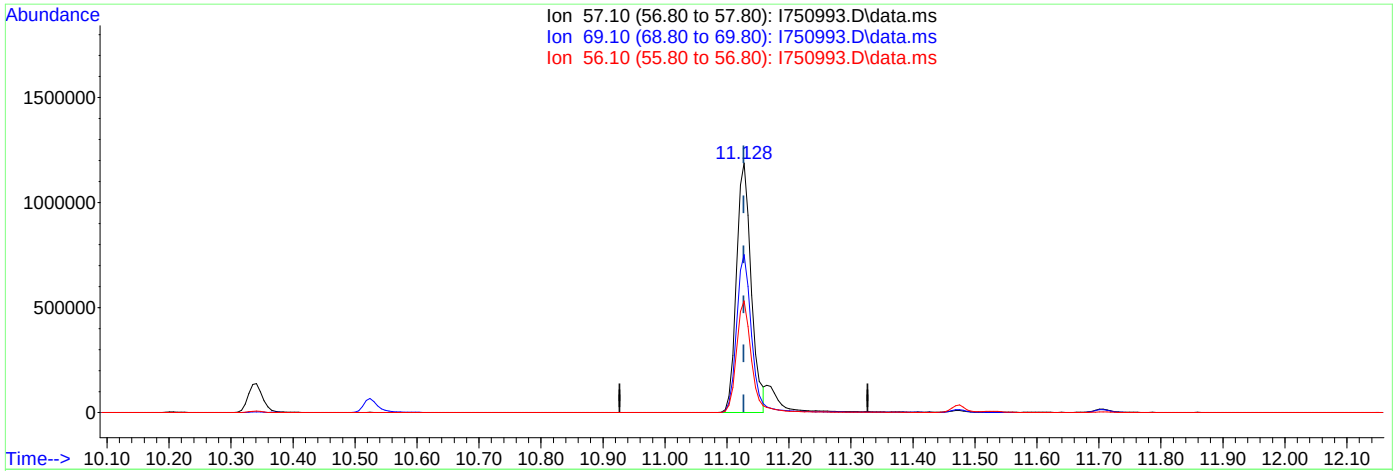
response 2187659

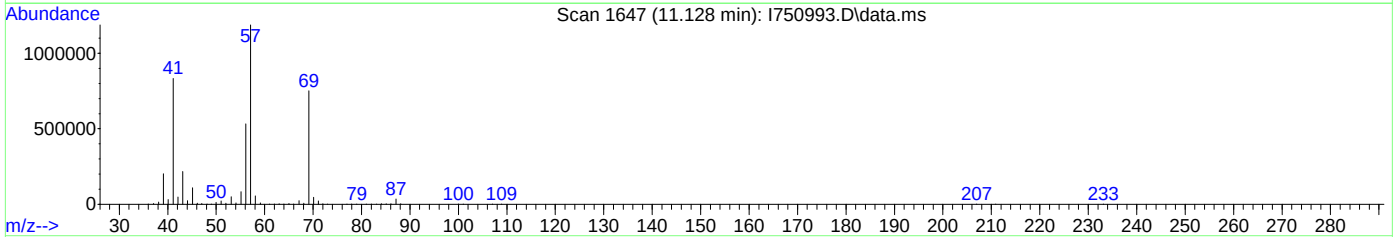
Ion	Exp%	Act%
57.10	100	100
69.10	63.30	63.15
56.10	43.90	44.77
0.00	0.00	0.00

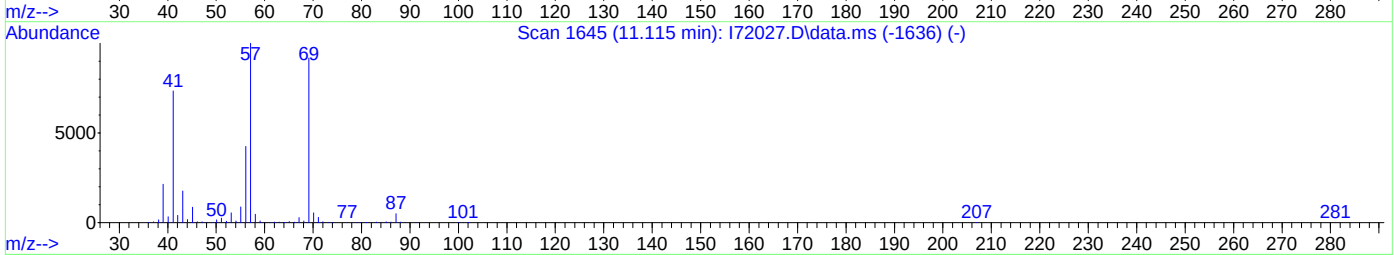
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750993.D
Acq On : 30 Aug 2022 12:32 pm
Operator : adelardl
Sample : IC2679-4
Misc : MS52156,VI2679,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 13:42:41 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750993.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.128min (+0.001) 1062.56ug/L m

response 1961664

Ion	Exp%	Act%
57.10	100	100
69.10	63.30	63.21
56.10	43.90	44.77
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Fereira
09/01/22 05:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750994.D
Acq On : 30 Aug 2022 12:56 pm
Operator : adelardl
Sample : ICC2679-5
Misc : MS52156,VI2679,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 13:49:13 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.341	96	899146	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.511	117	651396	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	337524	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.457	113	251756	50.27	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.54%			
49) 1,2-Dichloroethane-d4	8.037	65	281809	49.07	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.14%			
63) Toluene-d8	9.951	98	900781	49.52	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.04%			
86) 4-Bromofluorobenzene	12.731	174	279113	49.30	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.385	85	160733	54.85	ug/L	97
3) Chloromethane	2.708	50	208509	43.87	ug/L	98
4) Vinyl Chloride	2.861	62	192568	43.82	ug/L	100
5) 1,3-Butadiene	2.897	39	136179	34.86	ug/L	95
6) Bromomethane	3.391	94	99367	37.25	ug/L	98
7) Chloroethane	3.580	64	88688	38.83	ug/L	97
8) Trichlorofluoromethane	3.800	101	232186	45.06	ug/L	97
9) Ethyl Ether	4.312	59	132343	34.88	ug/L	99
10) 1,2-Dichlorotrifluoroe...	4.556	67	156609	38.95	ug/L	99
11) 1,1-Dichloroethene	4.556	61	226309	37.44	ug/L	98
12) Ethanol	4.556	45	159395	760.49	ug/L	95
13) Freon 113	4.616	101	126364	37.11	ug/L	98
14) Carbon Disulfide	4.598	76	388003	35.82	ug/L	99
15) Iodomethane	4.751	142	169216	33.09	ug/L	95
16) Acrolein	5.019	56	294856	192.71	ug/L	99
17) Allyl chloride	5.196	41	190545	33.57	ug/L	97
18) Methylene Chloride	5.336	49	222166	33.47	ug/L	99
19) Acetone	5.397	43	604970	179.03	ug/L	99
20) Methyl acetate	5.555	43	1166681	185.21	ug/L	99
21) trans-1,2-Dichloroethene	5.555	61	214148	36.17	ug/L	97
22) Hexane	5.659	56	93818m	32.77	ug/L	
23) Methyl Tert Butyl Ether	5.696	73	383676	33.95	ug/L	93
24) Tert butyl alcohol	5.824	59	813434	343.98	ug/L	99
25) Acetonitrile	5.964	41	481188	367.48	ug/L	99
26) Di-isopropyl ether	6.153	45	488588	35.07	ug/L	98
27) Chloroprene	6.281	53	43551	35.93	ug/L	92
28) 1,1-Dichloroethane	6.299	63	266161	35.73	ug/L	99
29) Acrylonitrile	6.342	53	604774	174.02	ug/L	99
30) ETBE	6.586	59	491369	35.29	ug/L	98
31) Vinyl acetate	6.586	43	1799817	170.19	ug/L	100
32) cis-1,2-Dichloroethene	6.945	96	140822	36.93	ug/L	99
33) 2,2-Dichloropropane	7.067	77	220238	37.12	ug/L	99
34) Bromochloromethane	7.177	128	64569	35.56	ug/L	93
35) Cyclohexane	7.201	56	256811	38.32	ug/L	97
36) Chloroform	7.250	83	261818	36.53	ug/L	99
37) Ethyl acetate	7.360	43	1559769	167.30	ug/L	100
38) Tetrahydrofuran	7.445	42	136401	35.80	ug/L	97
40) Carbon Tetrachloride	7.433	117	195003	37.60	ug/L	99
41) 1,1,1-Trichloroethane	7.500	97	222559	36.83	ug/L	98
42) 2-Butanone	7.573	43	984997	179.86	ug/L	99
43) 1,1-Dichloropropene	7.634	75	191772	36.12	ug/L	99
44) tert-Butyl Formate	7.732	59	783046	195.47	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750994.D
Acq On : 30 Aug 2022 12:56 pm
Operator : adelardl
Sample : ICC2679-5
Misc : MS52156,VI2679,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 13:49:13 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	7.890	54	616565	377.48	ug/L		97
46) Methacrylonitrile	7.915	41	1693794	356.79	ug/L		99
47) Benzene	7.902	78	539515	35.84	ug/L		96
48) TAME	8.012	73	395465	35.44	ug/L		100
50) Isobutyl alcohol	8.091	42	387875	741.40	ug/L		96
51) 1,2-Dichloroethane	8.116	62	206031	35.57	ug/L		98
52) Tert Amyl Alcohol	8.201	59	716147	353.10	ug/L		98
53) Trichloroethene	8.530	95	145303	36.28	ug/L		98
54) Methylcyclohexane	8.536	83	197096	38.23	ug/L		99
55) Dibromomethane	8.975	93	92990	37.47	ug/L		97
56) 1,2-Dichloropropane	9.061	63	156098	37.33	ug/L		97
57) Bromodichloromethane	9.122	83	184378	35.71	ug/L		98
58) Methyl methacrylate	9.250	41	192098	35.52	ug/L		97
59) 1,4-Dioxane	9.323	88	106025	697.00	ug/L		98
60) 2-Chloroethyl vinyl ether	9.664	63	628479	186.73	ug/L		99
61) cis-1,3-Dichloropropene	9.756	75	217903	36.95	ug/L		99
64) Toluene	10.006	91	566496	34.46	ug/L		98
65) 2-Nitropropane	10.207	41	423244	164.42	ug/L		95
66) 4-Methyl-2-pentanone	10.341	43	1637117	174.14	ug/L		99
67) trans-1,3-Dichloropropene	10.402	75	184608	35.65	ug/L		97
68) Tetrachloroethene	10.414	166	160957	37.19	ug/L		98
69) Ethyl methacrylate	10.524	69	206260	36.13	ug/L		97
70) 1,1,2-Trichloroethane	10.567	83	113034	36.22	ug/L		98
71) Dibromochloromethane	10.768	129	149100	35.33	ug/L		96
72) 1,3-Dichloropropane	10.847	76	221581	34.82	ug/L		98
73) 1,2-Dibromoethane	11.018	107	143481	35.53	ug/L		98
74) 3,3-dimethyl-1-butanol	11.127	57	3580163m	1893.80	ug/L		
75) 2-hexanone	11.170	43	1406971	174.80	ug/L		97
76) 1-Chlorohexane	11.475	91	185066	37.23	ug/L		96
77) Ethylbenzene	11.536	91	633974	34.40	ug/L		100
78) Chlorobenzene	11.536	112	356024	34.82	ug/L		99
79) 1,1,1,2-Tetrachloroethane	11.585	131	134939	35.70	ug/L		97
80) m,p-Xylene	11.676	91	980360	70.05	ug/L		99
81) o-Xylene	12.115	91	486876	34.79	ug/L		99
82) Styrene	12.164	104	363079	35.95	ug/L		99
83) Bromoform	12.219	173	112136	35.31	ug/L		97
84) Isopropylbenzene	12.420	105	604591	35.87	ug/L		99
87) cis-1,4-Dichloro-2-butene	12.767	53	93345	36.03	ug/L		96
88) n-Propylbenzene	12.840	91	720175	34.90	ug/L		99
89) Bromobenzene	12.853	156	155691	35.16	ug/L		99
90) 1,1,2,2-Tetrachloroethane	12.901	83	229171	33.47	ug/L		100
91) 1,3,5-Trimethylbenzene	13.023	105	506309	34.95	ug/L		100
92) 2-Chlorotoluene	13.029	91	464851	33.69	ug/L		97
93) trans-1,4-Dichloro-2-B...	13.078	53	89940	33.12	ug/L		95
94) 1,2,3-Trichloropropane	13.054	110	72597	33.66	ug/L		94
95) Cyclohexanone	13.115	55	125213	149.96	ug/L		99
96) 4-Chlorotoluene	13.194	91	424731	34.38	ug/L		100
97) tert-Butylbenzene	13.365	91	279898	33.93	ug/L		95
98) 1,2,4-Trimethylbenzene	13.432	105	491514	35.08	ug/L		99
99) Pentachloroethane	13.414	167	93725	36.51	ug/L		93
100) sec-Butylbenzene	13.548	105	594581	35.67	ug/L		99
101) 4-Isopropyltoluene	13.682	119	508083	35.74	ug/L		99
102) 1,3-Dichlorobenzene	13.810	146	273410	35.00	ug/L		99
103) 1,2,3-Trimethylbenzene	13.895	105	493783	34.27	ug/L		99
104) 1,4-Dichlorobenzene	13.895	146	285889	33.99	ug/L		99
105) n-Butylbenzene	14.121	92	291080	36.59	ug/L		92
106) Benzyl Chloride	14.133	126	83872	35.54	ug/L	#	81
107) 1,2-Dichlorobenzene	14.334	146	266665	34.64	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750994.D
Acq On : 30 Aug 2022 12:56 pm
Operator : adelardl
Sample : ICC2679-5
Misc : MS52156,VI2679,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 13:49:13 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	69773	32.29	ug/L	91
109) Hexachlorobutadiene	15.651	225	81455	36.92	ug/L	98
110) 1,2,4-Trichlorobenzene	15.694	180	179374	35.87	ug/L	98
111) Naphthalene	15.968	128	607057	34.07	ug/L	100
112) 1,2,3-Trichlorobenzene	16.133	180	174160	34.54	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

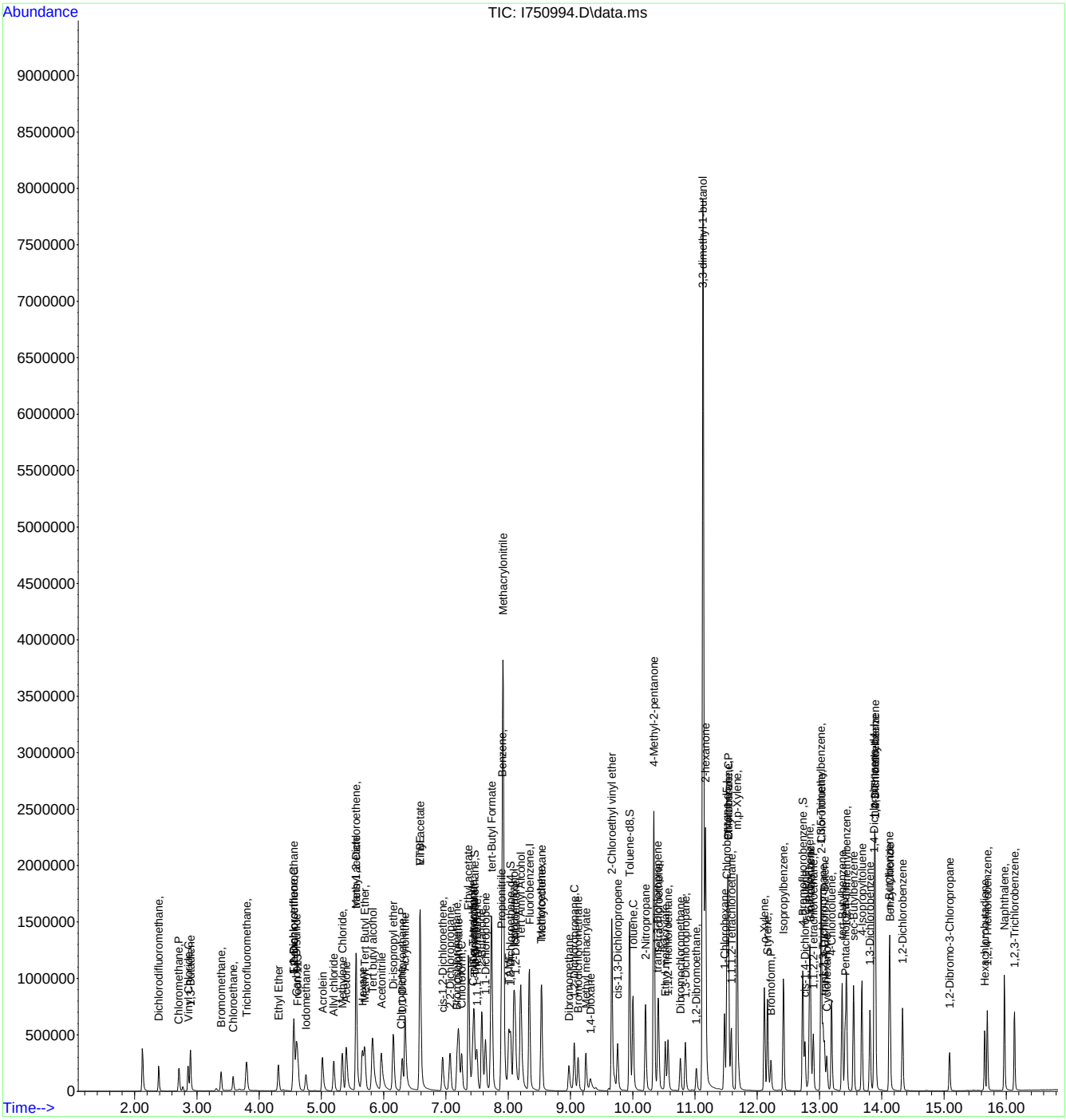
7.6.16

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750994.D
Acq On : 30 Aug 2022 12:56 pm
Operator : adelardl
Sample : ICC2679-5
Misc : MS52156,VI2679,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 13:49:13 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration



Manual Integration Approval Summary

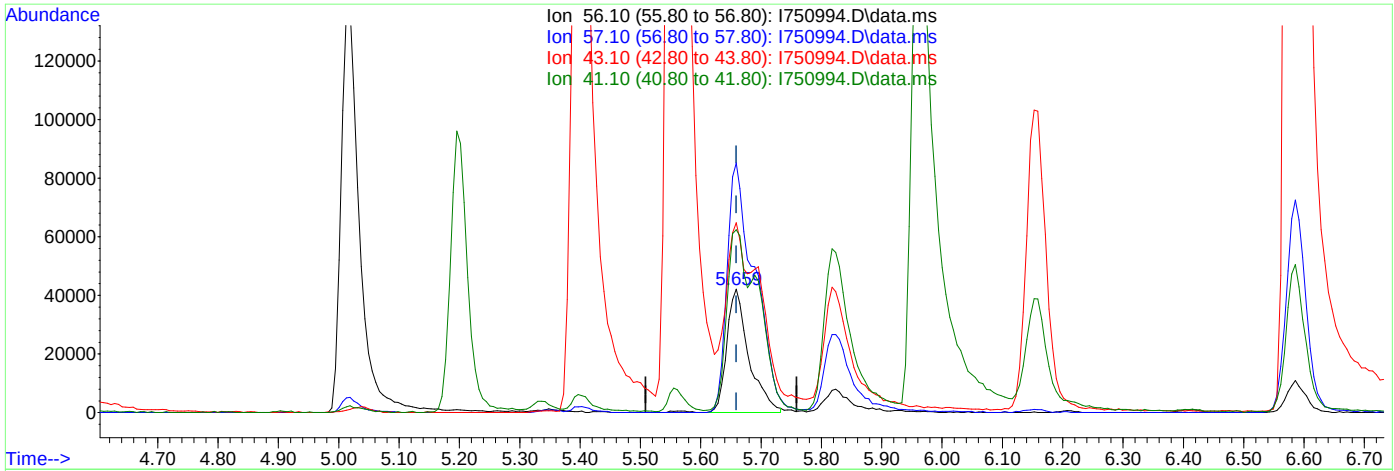
Sample Number: VI2679-ICC2679
Lab FileID: I750994.D
Injection Time: 08/30/22 12:56
Method: SW846 8260D
Analyst approved: 08/30/22 17:27 Adelard Lefebvre
Supervisor approved: 09/01/22 05:05 Jennifer Fereira

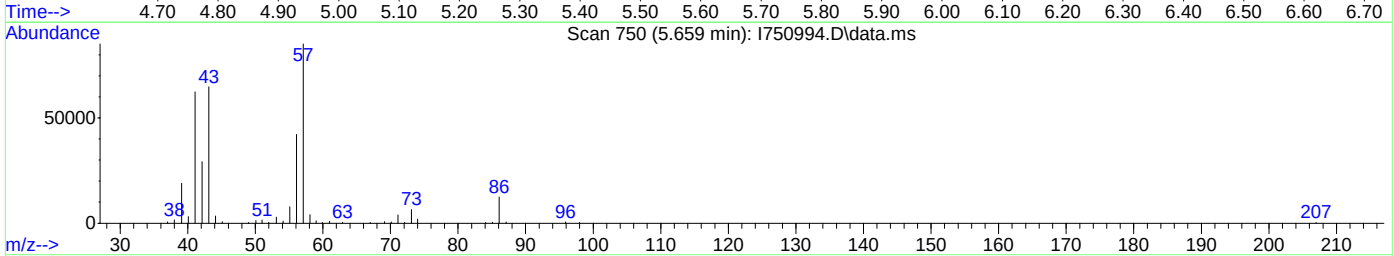
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.66	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.13	Overlapping peak

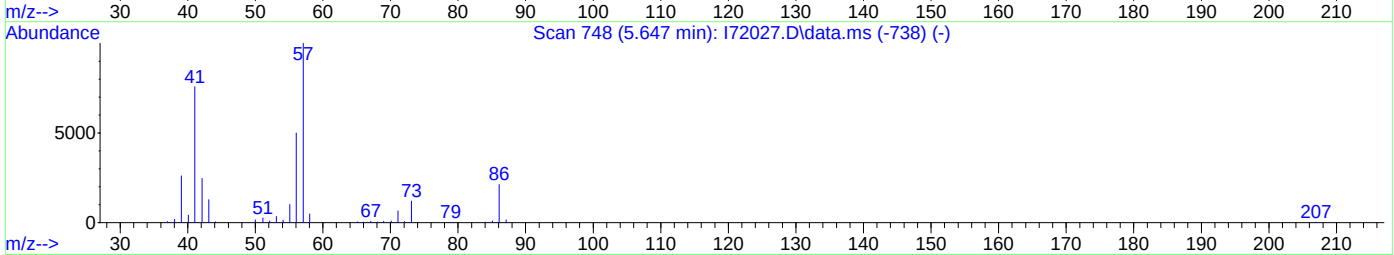
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750994.D
Acq On : 30 Aug 2022 12:56 pm
Operator : adelardl
Sample : ICC2679-5
Misc : MS52156,VI2679,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 13:42:43 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750994.D\data.ms

(22) Hexane

5.659min (-0.000) 38.15ug/L

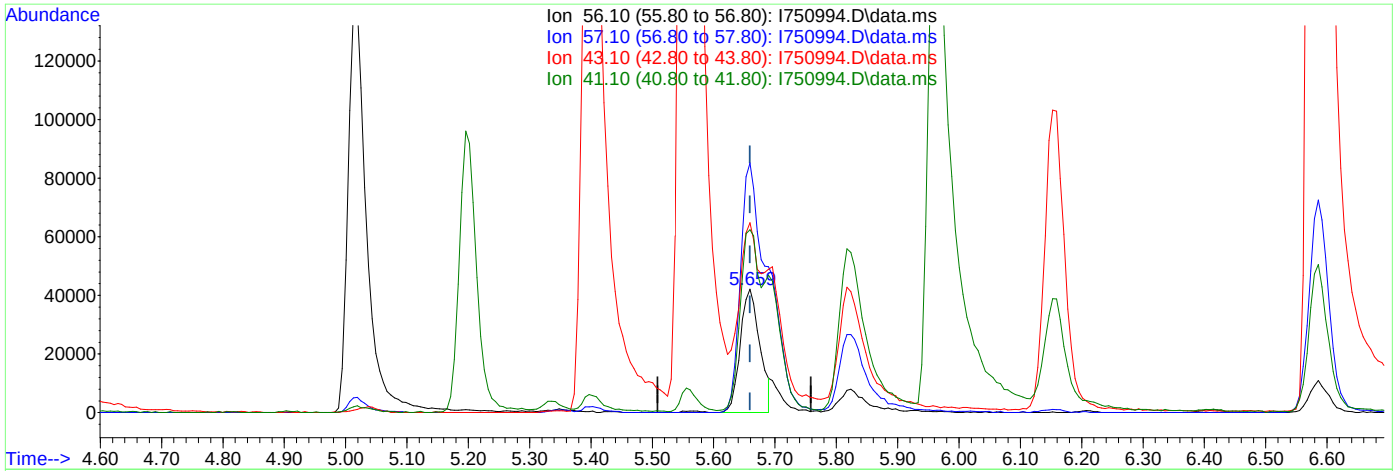
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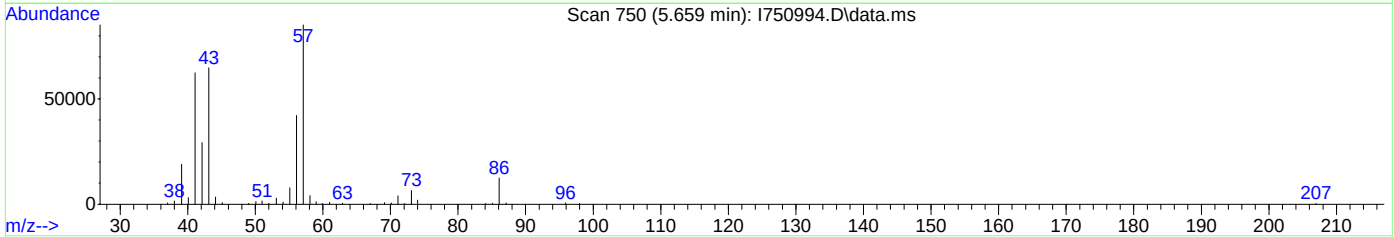
Ion	Exp%	Act%
56.10	100	100
57.10	190.50	202.28
43.10	122.60	135.41
41.10	142.70	146.40

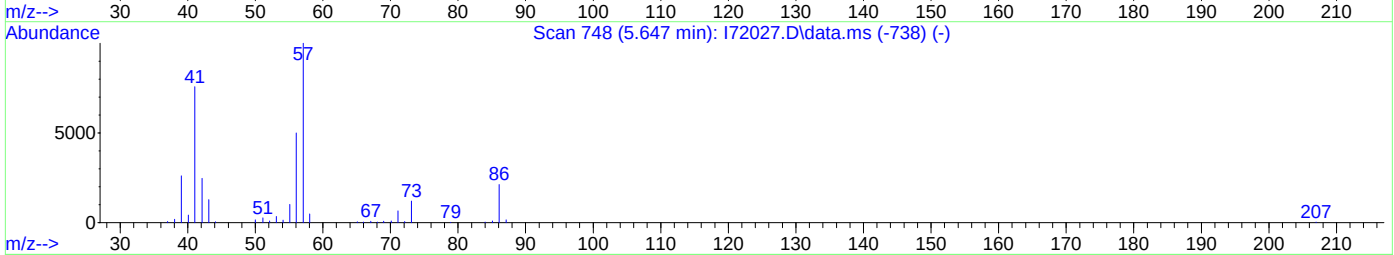
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750994.D
Acq On : 30 Aug 2022 12:56 pm
Operator : adelardl
Sample : ICC2679-5
Misc : MS52156,VI2679,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 13:42:43 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750994.D\data.ms

(22) Hexane

5.659min (-0.000) 32.77ug/L m

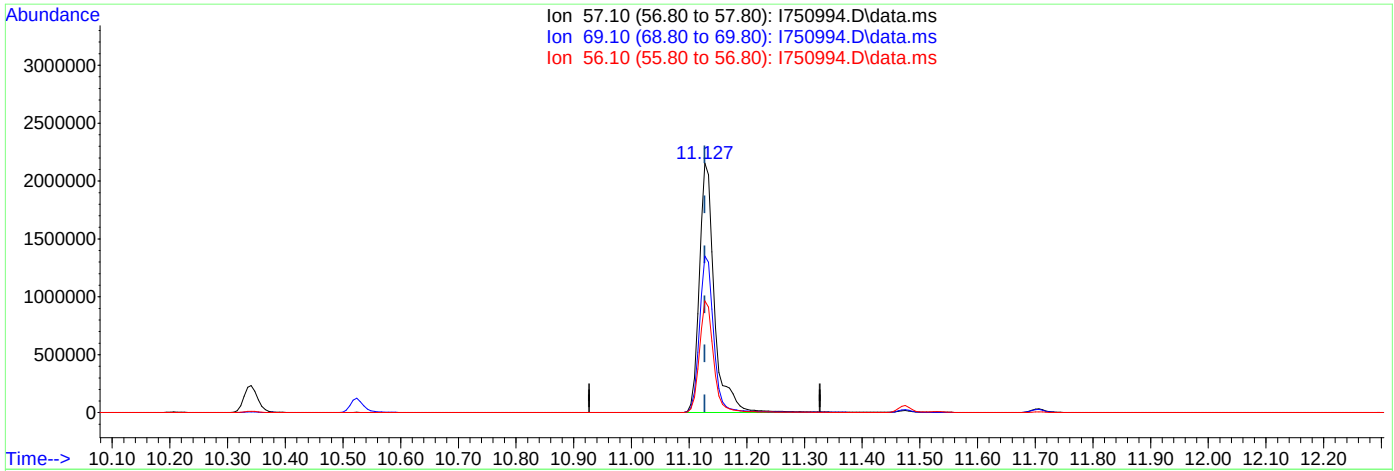
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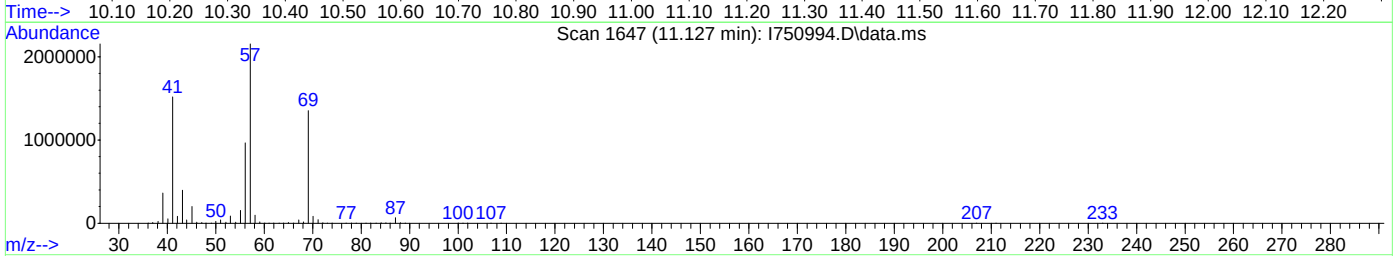
Ion	Exp%	Act%
56.10	100	100
57.10	190.50	202.28
43.10	122.60	153.72#
41.10	142.70	148.16

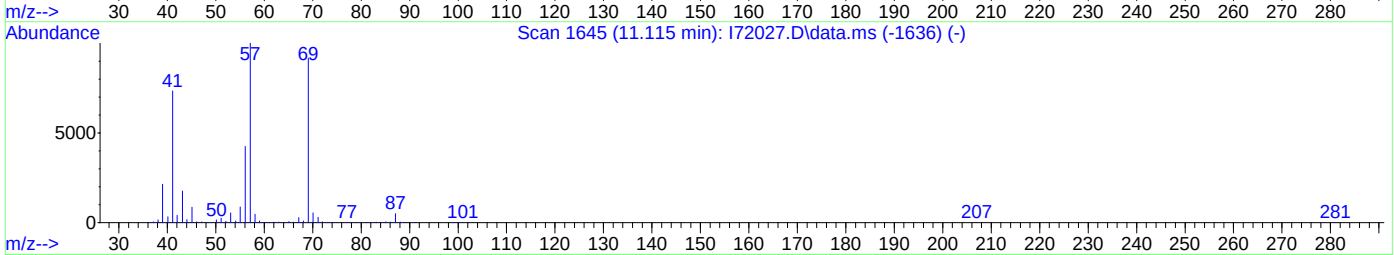
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750994.D
Acq On : 30 Aug 2022 12:56 pm
Operator : adelardl
Sample : ICC2679-5
Misc : MS52156,VI2679,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 13:42:43 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750994.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.127min (+0.000) 2082.35ug/L

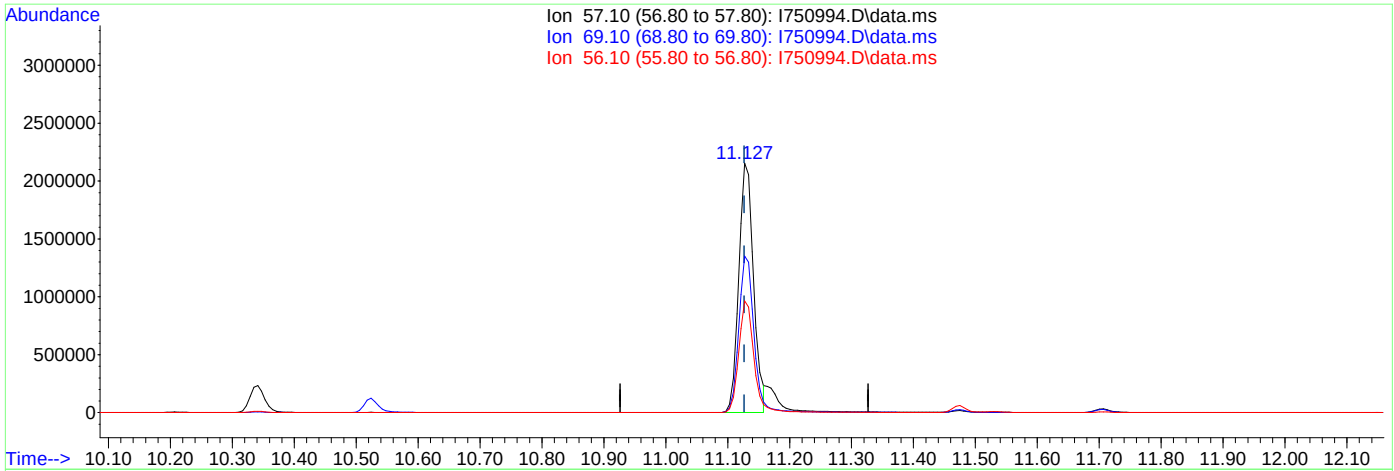
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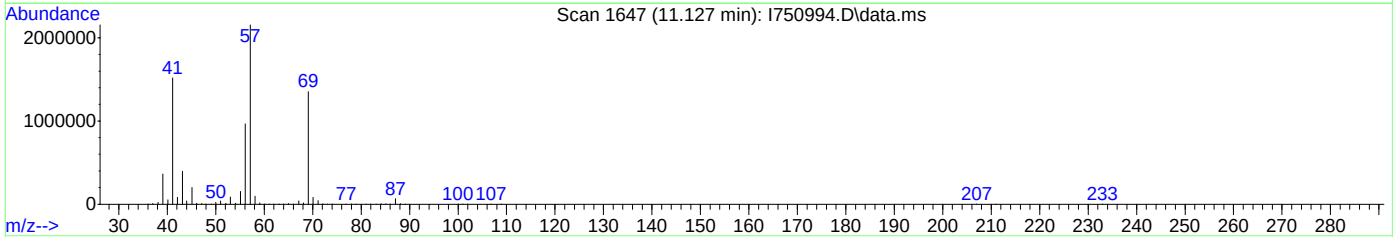
Ion	Exp%	Act%
57.10	100	100
69.10	63.30	62.65
56.10	43.90	44.70
0.00	0.00	0.00

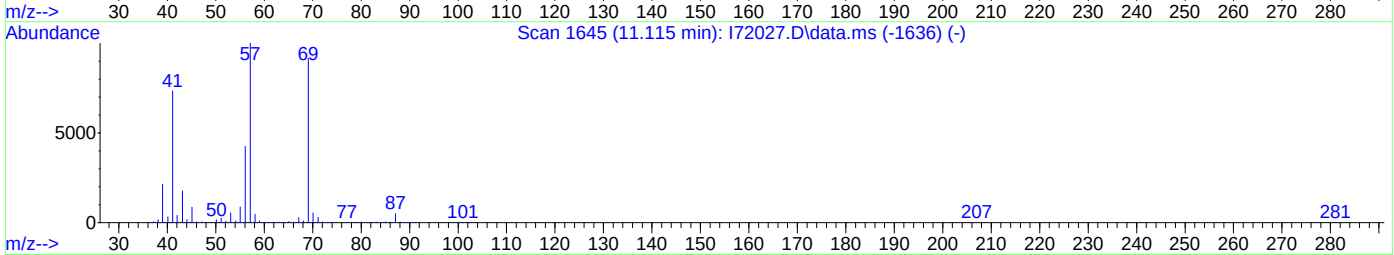
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750994.D
Acq On : 30 Aug 2022 12:56 pm
Operator : adelardl
Sample : ICC2679-5
Misc : MS52156,VI2679,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 13:42:43 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750994.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.127min (+0.000) 1893.80ug/L m

response 3580163

Ion	Exp%	Act%
57.10	100	100
69.10	63.30	62.70
56.10	43.90	44.70
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Fereira
09/01/22 05:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750995.D
Acq On : 30 Aug 2022 1:20 pm
Operator : adelardl
Sample : IC2679-6
Misc : MS52156,VI2679,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 13:51:53 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.341	96	934211	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	672499	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.883	152	343378	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.451	113	260325	50.03	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.06%			
49) 1,2-Dichloroethane-d4	8.037	65	286365	47.99	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.98%			
63) Toluene-d8	9.951	98	929708	49.50	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.00%			
86) 4-Bromofluorobenzene	12.731	174	287328	49.89	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.78%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.385	85	293593	105.86	ug/L	97
3) Chloromethane	2.708	50	382915	78.90	ug/L	99
4) Vinyl Chloride	2.855	62	352975	79.42	ug/L	96
5) 1,3-Butadiene	2.891	39	237359	61.47	ug/L	96
6) Bromomethane	3.385	94	174158	64.51	ug/L	97
7) Chloroethane	3.580	64	153831	70.47	ug/L	99
8) Trichlorofluoromethane	3.787	101	346045	74.63	ug/L	98
9) Ethyl Ether	4.312	59	236032	59.88	ug/L	99
10) 1,2-Dichlorotrifluoroe...	4.556	67	281880	69.81	ug/L	99
11) 1,1-Dichloroethene	4.549	61	411172	67.05	ug/L	99
12) Ethanol	4.580	45	281292	1346.63	ug/L	99
13) Freon 113	4.610	101	235244	70.09	ug/L	98
14) Carbon Disulfide	4.586	76	706670	63.54	ug/L	100
15) Iodomethane	4.745	142	297997	56.09	ug/L	97
16) Acrolein	5.013	56	544533	339.03	ug/L	99
17) Allyl chloride	5.196	41	340032	57.66	ug/L	98
18) Methylene Chloride	5.330	49	397431	62.01	ug/L	98
19) Acetone	5.403	43	1111290	331.52	ug/L	97
20) Methyl acetate	5.561	43	2147679	328.14	ug/L	100
21) trans-1,2-Dichloroethene	5.549	61	390771	63.52	ug/L	99
22) Hexane	5.653	56	177996m	68.42	ug/L	
23) Methyl Tert Butyl Ether	5.696	73	704115	59.97	ug/L	95
24) Tert butyl alcohol	5.836	59	1476028	600.75	ug/L	99
25) Acetonitrile	5.964	41	860902	652.05	ug/L	99
26) Di-isopropyl ether	6.159	45	887121	61.29	ug/L	99
27) Chloroprene	6.281	53	78715	62.51	ug/L	96
28) 1,1-Dichloroethane	6.299	63	483872	62.51	ug/L	99
29) Acrylonitrile	6.342	53	1098121	314.88	ug/L	98
30) ETBE	6.586	59	883057	61.03	ug/L	99
31) Vinyl acetate	6.580	43	3291078	308.10	ug/L	100
32) cis-1,2-Dichloroethene	6.945	96	253913	64.10	ug/L	98
33) 2,2-Dichloropropane	7.061	77	399231	66.10	ug/L	98
34) Bromochloromethane	7.177	128	115424	61.99	ug/L	97
35) Cyclohexane	7.201	56	472514	70.30	ug/L	99
36) Chloroform	7.250	83	446746	62.40	ug/L	99
37) Ethyl acetate	7.360	43	2794135	303.61	ug/L	100
38) Tetrahydrofuran	7.445	42	239248	62.83	ug/L	96
40) Carbon Tetrachloride	7.433	117	350359	67.16	ug/L	97
41) 1,1,1-Trichloroethane	7.494	97	403487	66.23	ug/L	98
42) 2-Butanone	7.573	43	1818213	329.23	ug/L	99
43) 1,1-Dichloropropene	7.634	75	349051	63.28	ug/L	98
44) tert-Butyl Formate	7.732	59	1450093	335.73	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750995.D
Acq On : 30 Aug 2022 1:20 pm
Operator : adelardl
Sample : IC2679-6
Misc : MS52156,VI2679,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 13:51:53 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) Propionitrile	7.890	54	1116952	658.16	ug/L	99
46) Methacrylonitrile	7.921	41	3050078	618.36	ug/L	96
47) Benzene	7.902	78	964670	61.67	ug/L	94
48) TAME	8.012	73	702018	61.96	ug/L	100
50) Isobutyl alcohol	8.104	42	713138	1311.96	ug/L	98
51) 1,2-Dichloroethane	8.110	62	365404	62.64	ug/L	99
52) Tert Amyl Alcohol	8.207	59	1284855	609.73	ug/L	97
53) Trichloroethene	8.530	95	266836	64.12	ug/L	98
54) Methylcyclohexane	8.536	83	363260	70.85	ug/L	99
55) Dibromomethane	8.969	93	165060	64.21	ug/L	98
56) 1,2-Dichloropropane	9.061	63	276258	63.58	ug/L	97
57) Bromodichloromethane	9.122	83	332105	61.90	ug/L	100
58) Methyl methacrylate	9.244	41	356722	63.48	ug/L	98
59) 1,4-Dioxane	9.323	88	192989	1221.07	ug/L	97
60) 2-Chloroethyl vinyl ether	9.664	63	1148384	326.13	ug/L	99
61) cis-1,3-Dichloropropene	9.756	75	396820	64.76	ug/L	99
64) Toluene	10.000	91	1019136	60.04	ug/L	100
65) 2-Nitropropane	10.207	41	770778	290.04	ug/L	97
66) 4-Methyl-2-pentanone	10.341	43	2964579	318.16	ug/L	99
67) trans-1,3-Dichloropropene	10.402	75	340953	63.60	ug/L	96
68) Tetrachloroethene	10.414	166	284954	65.44	ug/L	99
69) Ethyl methacrylate	10.524	69	379333	64.36	ug/L	96
70) 1,1,2-Trichloroethane	10.567	83	199160	62.98	ug/L	96
71) Dibromochloromethane	10.762	129	267805	61.46	ug/L	100
72) 1,3-Dichloropropane	10.847	76	403537	61.43	ug/L	98
73) 1,2-Dibromoethane	11.018	107	261775	62.80	ug/L	98
74) 3,3-dimethyl-1-butanol	11.134	57	6606582m	3317.41	ug/L	
75) 2-hexanone	11.170	43	2530891	324.92	ug/L	98
76) 1-Chlorohexane	11.475	91	334119	65.11	ug/L	95
77) Ethylbenzene	11.536	91	1127168	59.24	ug/L	99
78) Chlorobenzene	11.530	112	640211	60.64	ug/L	99
79) 1,1,1,2-Tetrachloroethane	11.585	131	243902	62.50	ug/L	99
80) m,p-Xylene	11.676	91	1748257	121.00	ug/L	99
81) o-Xylene	12.115	91	874189	60.51	ug/L	100
82) Styrene	12.164	104	661245	63.43	ug/L	99
83) Bromoform	12.219	173	205530	62.69	ug/L	98
84) Isopropylbenzene	12.420	105	1082271	62.19	ug/L	99
87) cis-1,4-Dichloro-2-butene	12.767	53	170459	64.67	ug/L	94
88) n-Propylbenzene	12.841	91	1291559	61.53	ug/L	100
89) Bromobenzene	12.853	156	276610	61.40	ug/L	98
90) 1,1,2,2-Tetrachloroethane	12.901	83	407528	58.51	ug/L	98
91) 1,3,5-Trimethylbenzene	13.023	105	912265	61.91	ug/L	100
92) 2-Chlorotoluene	13.030	91	839685	59.82	ug/L	97
93) trans-1,4-Dichloro-2-B...	13.078	53	164795	61.00	ug/L	97
94) 1,2,3-Trichloropropane	13.054	110	130365	61.41	ug/L	97
95) Cyclohexanone	13.115	55	221539	260.80	ug/L	98
96) 4-Chlorotoluene	13.194	91	760356	60.50	ug/L	100
97) tert-Butylbenzene	13.365	91	505374	60.22	ug/L	95
98) 1,2,4-Trimethylbenzene	13.432	105	881272	61.82	ug/L	99
99) Pentachloroethane	13.414	167	166890	63.90	ug/L	94
100) sec-Butylbenzene	13.548	105	1046730	61.73	ug/L	98
101) 4-Isopropyltoluene	13.682	119	905962	62.64	ug/L	99
102) 1,3-Dichlorobenzene	13.810	146	488121	61.42	ug/L	98
103) 1,2,3-Trimethylbenzene	13.895	105	881171	60.12	ug/L	99
104) 1,4-Dichlorobenzene	13.895	146	503996	58.89	ug/L	99
105) n-Butylbenzene	14.121	92	521030	64.38	ug/L	96
106) Benzyl Chloride	14.133	126	155949	63.05	ug/L	94
107) 1,2-Dichlorobenzene	14.334	146	472326	60.31	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750995.D
Acq On : 30 Aug 2022 1:20 pm
Operator : adelardl
Sample : IC2679-6
Misc : MS52156,VI2679,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 13:51:53 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	128481	58.45	ug/L	90
109) Hexachlorobutadiene	15.651	225	146104	65.10	ug/L	98
110) 1,2,4-Trichlorobenzene	15.694	180	324104	63.71	ug/L	99
111) Naphthalene	15.968	128	1108875	61.17	ug/L	99
112) 1,2,3-Trichlorobenzene	16.133	180	319886	62.36	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

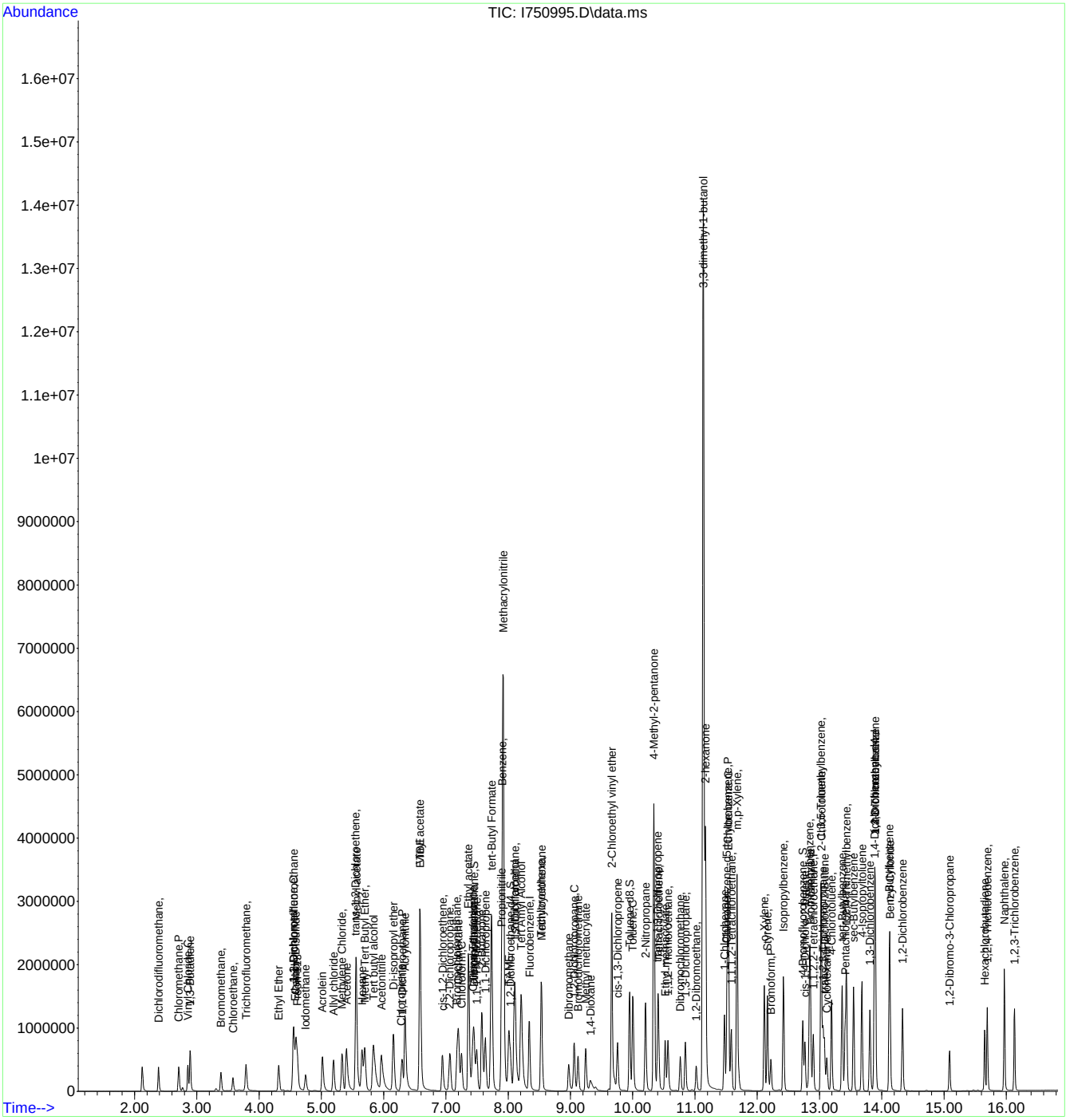
7.6.17

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750995.D
Acq On : 30 Aug 2022 1:20 pm
Operator : adelardl
Sample : IC2679-6
Misc : MS52156,VI2679,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 13:51:53 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration



Manual Integration Approval Summary

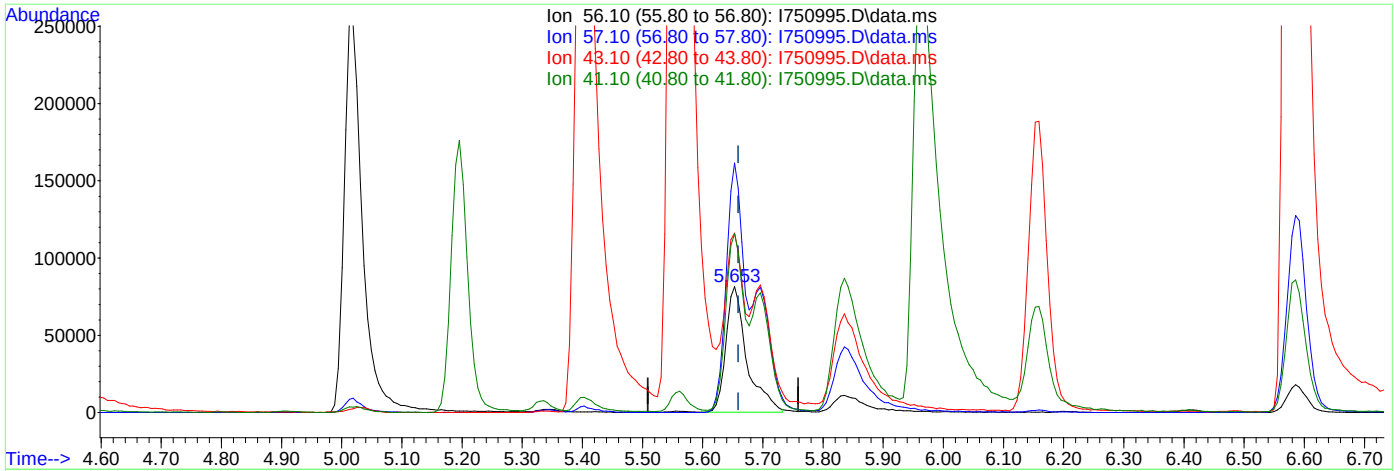
Sample Number: VI2679-IC2679
Lab FileID: I750995.D
Injection Time: 08/30/22 13:20
Method: SW846 8260D
Analyst approved: 08/30/22 17:27 Adelard Lefebvre
Supervisor approved: 09/01/22 05:05 Jennifer Fereira

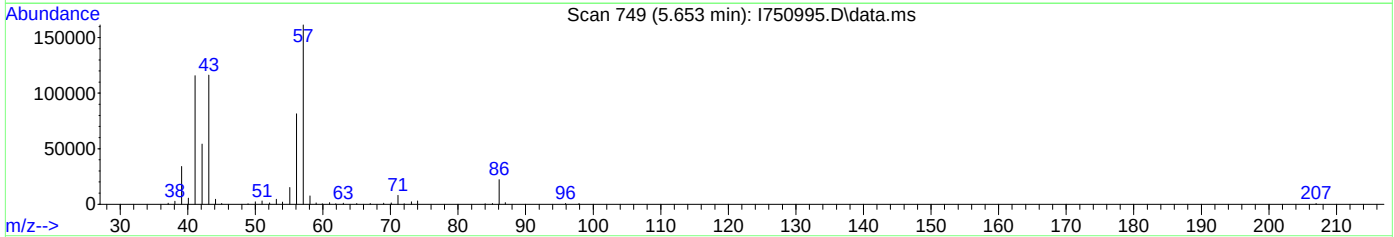
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.65	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.13	Overlapping peak

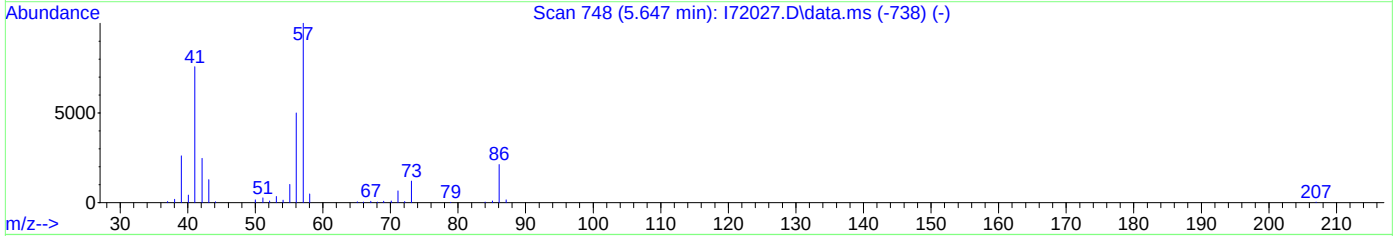
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750995.D
Acq On : 30 Aug 2022 1:20 pm
Operator : adelardl
Sample : IC2679-6
Misc : MS52156,VI2679,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 13:42:45 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750995.D\data.ms

(22) Hexane

5.653min (-0.006) 79.89ug/L

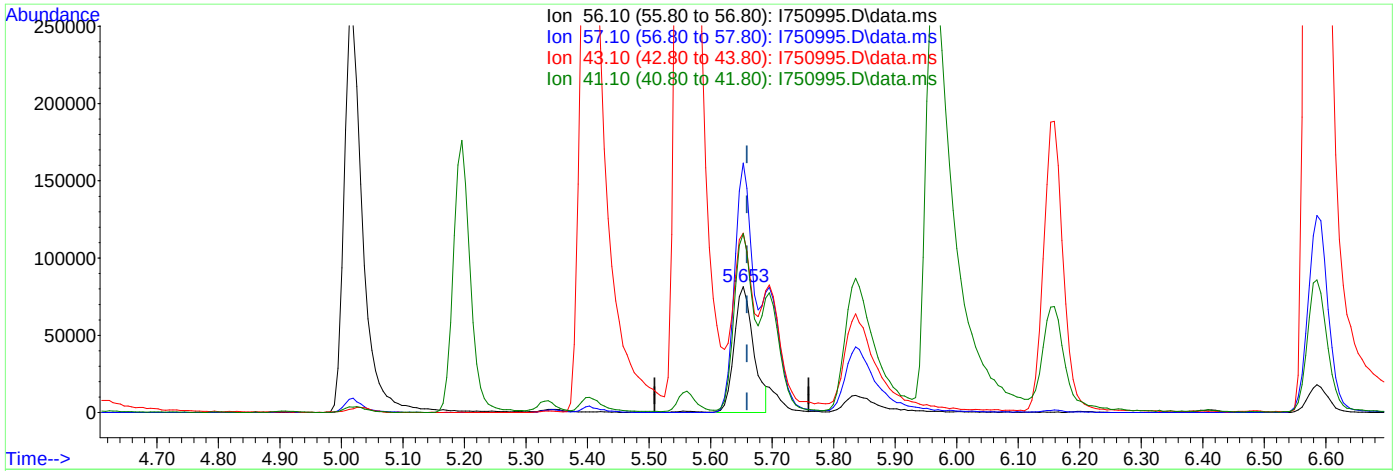
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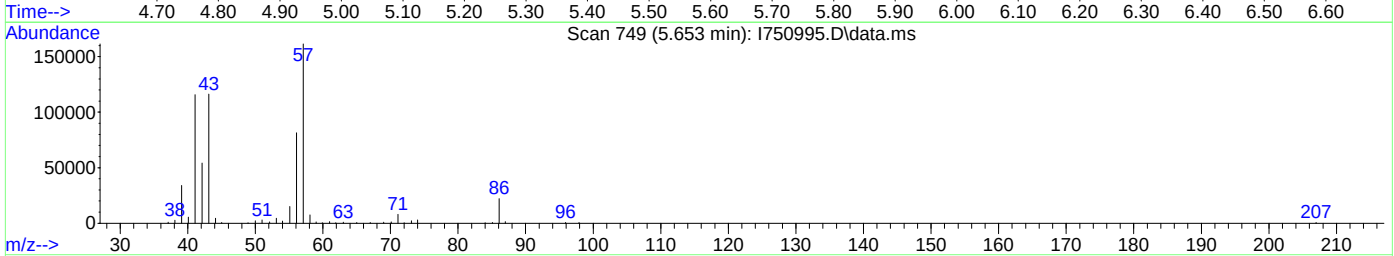
Ion	Exp%	Act%
56.10	100	100
57.10	190.50	198.80
43.10	122.60	126.42
41.10	142.70	140.27

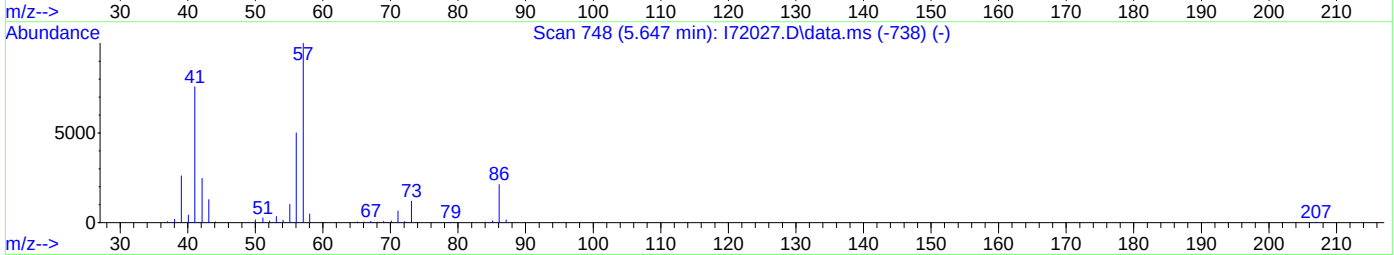
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750995.D
Acq On : 30 Aug 2022 1:20 pm
Operator : adelardl
Sample : IC2679-6
Misc : MS52156,VI2679,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 13:42:45 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750995.D\data.ms

(22) Hexane

5.653min (-0.006) 68.42ug/L m

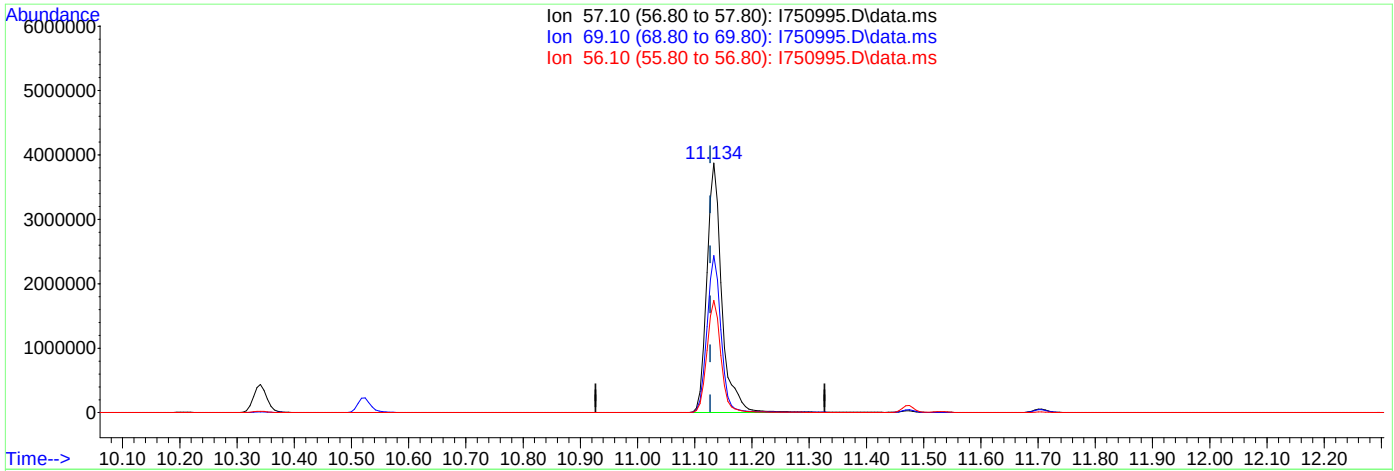
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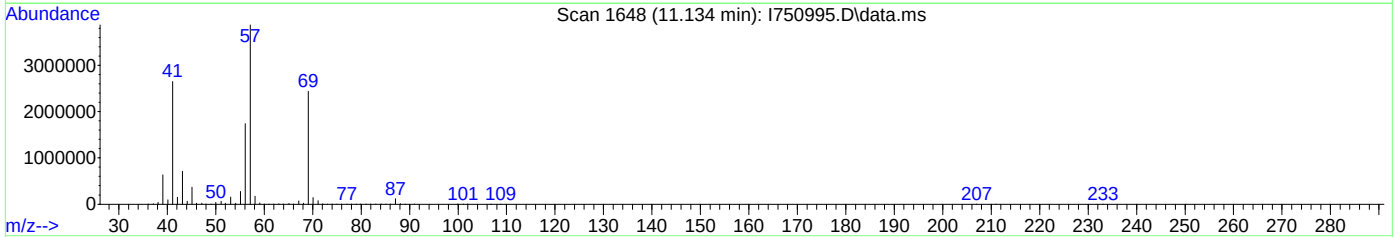
Ion	Exp%	Act%
56.10	100	100
57.10	190.50	198.14
43.10	122.60	142.42
41.10	142.70	141.96

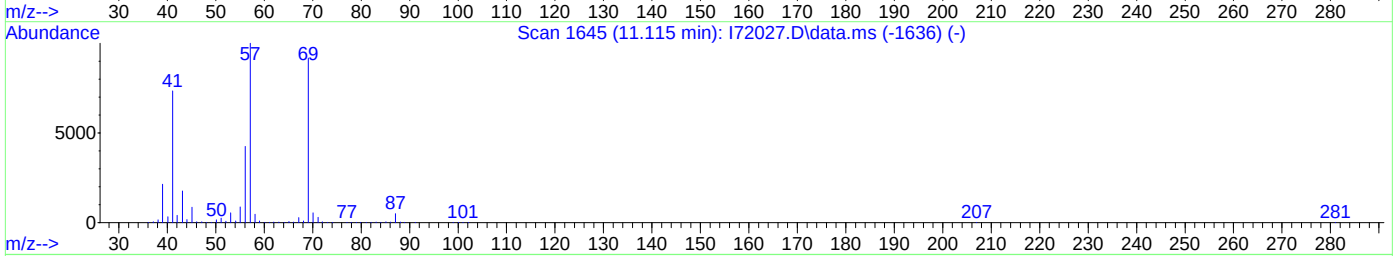
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750995.D
Acq On : 30 Aug 2022 1:20 pm
Operator : adelardl
Sample : IC2679-6
Misc : MS52156,VI2679,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 13:42:45 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750995.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.134min (+0.007) 3542.90ug/L

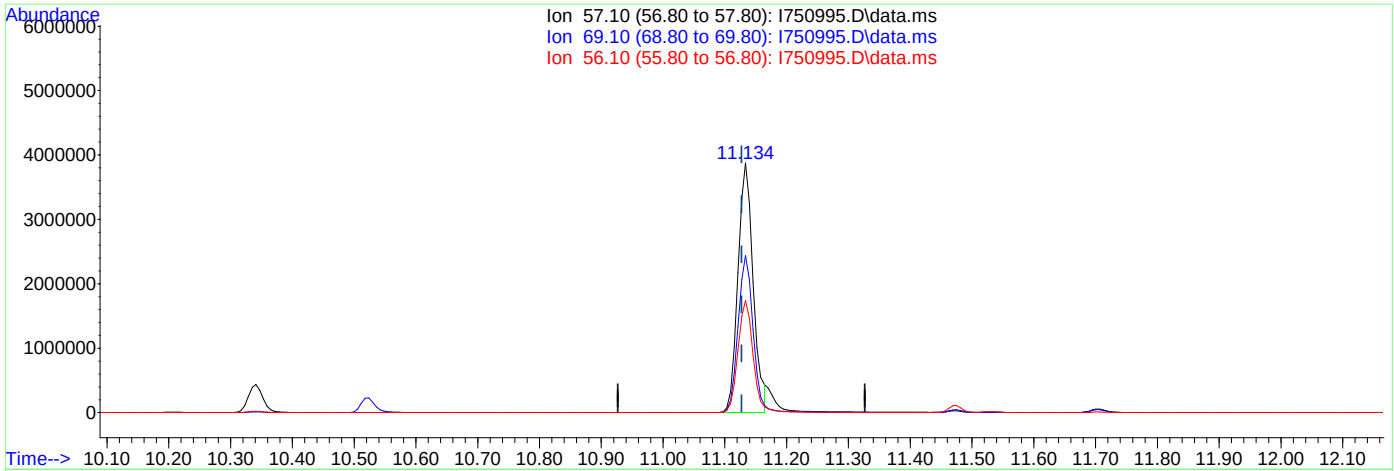
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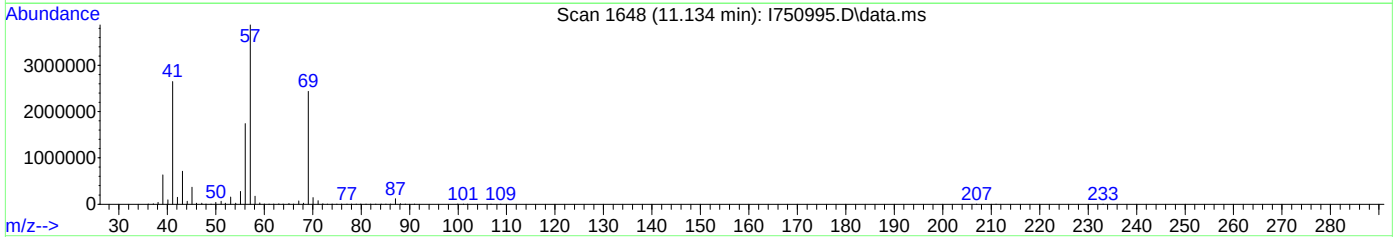
Ion	Exp%	Act%
57.10	100	100
69.10	63.30	62.88
56.10	43.90	44.96
0.00	0.00	0.00

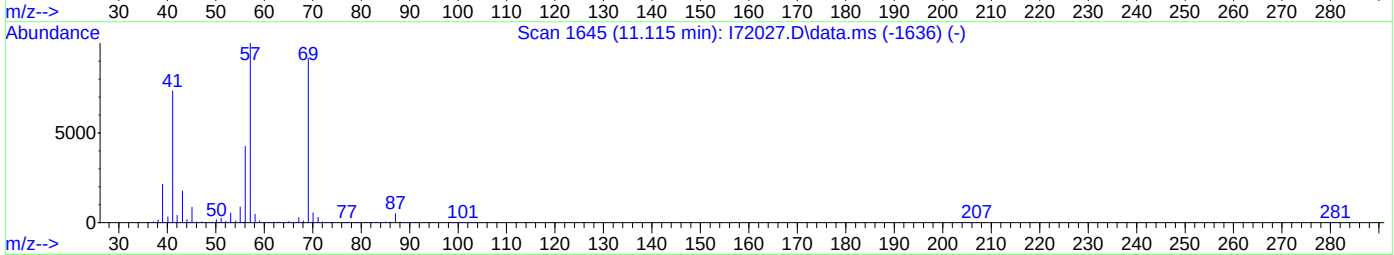
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750995.D
Acq On : 30 Aug 2022 1:20 pm
Operator : adelardl
Sample : IC2679-6
Misc : MS52156,VI2679,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 13:42:45 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750995.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.134min (+0.007) 3317.41ug/L m

response 6606582

Ion	Exp%	Act%
57.10	100	100
69.10	63.30	62.90
56.10	43.90	44.97
0.00	0.00	0.00

I750996.D

Manual Integrations APPROVED (compounds with "m" flag)

Jennifer Fereira 09/01/22 05:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750996.D
Acq On : 30 Aug 2022 1:44 pm
Operator : adelardl
Sample : IC2679-7
Misc : MS52156,VI2679,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 14:21:00 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.341	96	969656	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.518	117	699821	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.883	152	360455	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.457	113	268234	49.66	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.32%		
49) 1,2-Dichloroethane-d4	8.043	65	295578	47.72	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	95.44%		
63) Toluene-d8	9.951	98	956953	48.97	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	97.94%		
86) 4-Bromofluorobenzene	12.731	174	297495	49.21	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	98.42%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.385	85	399920	152.61	ug/L	98
3) Chloromethane	2.708	50	545874	110.09	ug/L	98
4) Vinyl Chloride	2.855	62	485289	107.50	ug/L	99
5) 1,3-Butadiene	2.891	39	325012	84.93	ug/L	100
6) Bromomethane	3.391	94	247981	90.85	ug/L	98
7) Chloroethane	3.580	64	205988	98.52	ug/L	98
8) Trichlorofluoromethane	3.787	101	458477	Below Cal		98
9) Ethyl Ether	4.324	59	346620	84.72	ug/L	99
10) 1,2-Dichlorotrifluoroe...	4.562	67	394996	97.24	ug/L	98
11) 1,1-Dichloroethene	4.543	61	573908	92.05	ug/L	98
12) Ethanol	4.610	45	401632	1935.06	ug/L	97
13) Freon 113	4.604	101	321123	96.33	ug/L	98
14) Carbon Disulfide	4.586	76	995115	87.09	ug/L	98
15) Iodomethane	4.745	142	408462	74.07	ug/L	96
16) Acrolein	5.019	56	804520	477.94	ug/L	99
17) Allyl chloride	5.196	41	476201	77.80	ug/L	95
18) Methylene Chloride	5.336	49	570731	93.71	ug/L	99
19) Acetone	5.409	43	1575135	473.64	ug/L	98
20) Methyl acetate	5.561	43	3157047	464.73	ug/L	100
21) trans-1,2-Dichloroethene	5.549	61	555758	87.04	ug/L	99
22) Hexane	5.653	56	229436m	95.25	ug/L	
23) Methyl Tert Butyl Ether	5.702	73	1036975	85.09	ug/L	86
24) Tert butyl alcohol	5.854	59	2117401	830.29	ug/L	98
25) Acetonitrile	5.970	41	1243759	936.02	ug/L	98
26) Di-isopropyl ether	6.159	45	1300309	86.55	ug/L	99
27) Chloroprene	6.275	53	110834	84.80	ug/L	94
28) 1,1-Dichloroethane	6.299	63	685086	85.27	ug/L	99
29) Acrylonitrile	6.348	53	1650895	475.23	ug/L	99
30) ETBE	6.592	59	1287513	85.73	ug/L	99
31) Vinyl acetate	6.580	43	4883671	454.28	ug/L	99
32) cis-1,2-Dichloroethene	6.939	96	356970	86.82	ug/L	98
33) 2,2-Dichloropropane	7.061	77	551663	89.49	ug/L	99
34) Bromochloromethane	7.177	128	170967	89.72	ug/L	98
35) Cyclohexane	7.201	56	650742	96.07	ug/L	97
36) Chloroform	7.250	83	665692	94.23	ug/L	99
37) Ethyl acetate	7.366	43	4172498	466.01	ug/L	100
38) Tetrahydrofuran	7.451	42	348283	92.06	ug/L	95
40) Carbon Tetrachloride	7.433	117	491146	93.43	ug/L	99
41) 1,1,1-Trichloroethane	7.494	97	562598	91.35	ug/L	99
42) 2-Butanone	7.579	43	2601758	466.92	ug/L	100
43) 1,1-Dichloropropene	7.634	75	493192	86.14	ug/L	96
44) tert-Butyl Formate	7.732	59	2177962	469.54	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750996.D
Acq On : 30 Aug 2022 1:44 pm
Operator : adelardl
Sample : IC2679-7
Misc : MS52156,VI2679,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 14:21:00 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) Propionitrile	7.896	54	1625055	922.56	ug/L	86
46) Methacrylonitrile	7.921	41	4382155	855.95	ug/L	97
47) Benzene	7.902	78	1352991	83.33	ug/L	90
48) TAME	8.012	73	1039308	90.66	ug/L	99
50) Isobutyl alcohol	8.110	42	1020547	1808.87	ug/L	98
51) 1,2-Dichloroethane	8.110	62	531662	90.81	ug/L	98
52) Tert Amyl Alcohol	8.213	59	1874633	857.10	ug/L	97
53) Trichloroethene	8.530	95	374605	86.72	ug/L	98
54) Methylcyclohexane	8.537	83	494435	96.25	ug/L	99
55) Dibromomethane	8.969	93	244849	92.05	ug/L	97
56) 1,2-Dichloropropane	9.061	63	404427	89.68	ug/L	97
57) Bromodichloromethane	9.122	83	485167	87.13	ug/L	98
58) Methyl methacrylate	9.244	41	535217	91.76	ug/L	98
59) 1,4-Dioxane	9.329	88	281670	1717.02	ug/L	95
60) 2-Chloroethyl vinyl ether	9.664	63	1689715	459.28	ug/L	99
61) cis-1,3-Dichloropropene	9.756	75	579879	91.17	ug/L	99
64) Toluene	10.000	91	1448285	81.99	ug/L	98
65) 2-Nitropropane	10.207	41	1135641	410.65	ug/L	99
66) 4-Methyl-2-pentanone	10.341	43	4170555	446.68	ug/L	99
67) trans-1,3-Dichloropropene	10.402	75	495662	88.62	ug/L	95
68) Tetrachloroethene	10.414	166	402335	90.95	ug/L	99
69) Ethyl methacrylate	10.524	69	551147	89.86	ug/L	98
70) 1,1,2-Trichloroethane	10.567	83	287984	89.16	ug/L	97
71) Dibromochloromethane	10.762	129	399088	88.01	ug/L	98
72) 1,3-Dichloropropane	10.847	76	588258	86.06	ug/L	97
73) 1,2-Dibromoethane	11.018	107	381660	87.98	ug/L	98
74) 3,3-dimethyl-1-butanol	11.140	57	9429552m	4477.22	ug/L	
75) 2-hexanone	11.170	43	3346234m	433.88	ug/L	
76) 1-Chlorohexane	11.475	91	469029	87.84	ug/L	97
77) Ethylbenzene	11.536	91	1590877	80.34	ug/L	99
78) Chlorobenzene	11.536	112	909716	82.80	ug/L	98
79) 1,1,1,2-Tetrachloroethane	11.585	131	354330	87.26	ug/L	98
80) m,p-Xylene	11.676	91	2478029	164.81	ug/L	98
81) o-Xylene	12.115	91	1255782	83.53	ug/L	99
82) Styrene	12.164	104	952744	87.82	ug/L	99
83) Bromoform	12.219	173	305477	89.53	ug/L	98
84) Isopropylbenzene	12.420	105	1530886	84.54	ug/L	99
87) cis-1,4-Dichloro-2-butene	12.767	53	246166	88.97	ug/L	93
88) n-Propylbenzene	12.841	91	1827505	82.94	ug/L	100
89) Bromobenzene	12.853	156	396763	83.89	ug/L	99
90) 1,1,2,2-Tetrachloroethane	12.902	83	588573	80.50	ug/L	99
91) 1,3,5-Trimethylbenzene	13.023	105	1292658	83.57	ug/L	99
92) 2-Chlorotoluene	13.023	91	1194855	81.09	ug/L	99
93) trans-1,4-Dichloro-2-B...	13.078	53	245376	88.51	ug/L	96
94) 1,2,3-Trichloropropane	13.054	110	188694	87.42	ug/L	97
95) Cyclohexanone	13.121	55	327899	367.73	ug/L	96
96) 4-Chlorotoluene	13.194	91	1085411	82.27	ug/L	100
97) tert-Butylbenzene	13.365	91	712212	80.84	ug/L	93
98) 1,2,4-Trimethylbenzene	13.432	105	1255626	83.91	ug/L	100
99) Pentachloroethane	13.414	167	238581	87.02	ug/L	96
100) sec-Butylbenzene	13.548	105	1490896	83.76	ug/L	99
101) 4-Isopropyltoluene	13.682	119	1285225	84.66	ug/L	99
102) 1,3-Dichlorobenzene	13.810	146	701988	84.15	ug/L	98
103) 1,2,3-Trimethylbenzene	13.895	105	1268613	82.45	ug/L	99
104) 1,4-Dichlorobenzene	13.895	146	725578	80.77	ug/L	100
105) n-Butylbenzene	14.121	92	747659	88.00	ug/L	95
106) Benzyl Chloride	14.133	126	228943	86.07	ug/L	100
107) 1,2-Dichlorobenzene	14.334	146	680213	82.74	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750996.D
Acq On : 30 Aug 2022 1:44 pm
Operator : adelardl
Sample : IC2679-7
Misc : MS52156,VI2679,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 14:21:00 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	191503	82.99	ug/L	91
109) Hexachlorobutadiene	15.651	225	204980	87.00	ug/L	98
110) 1,2,4-Trichlorobenzene	15.694	180	474908	88.93	ug/L	100
111) Naphthalene	15.968	128	1633497	85.84	ug/L	100
112) 1,2,3-Trichlorobenzene	16.133	180	464164	86.19	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

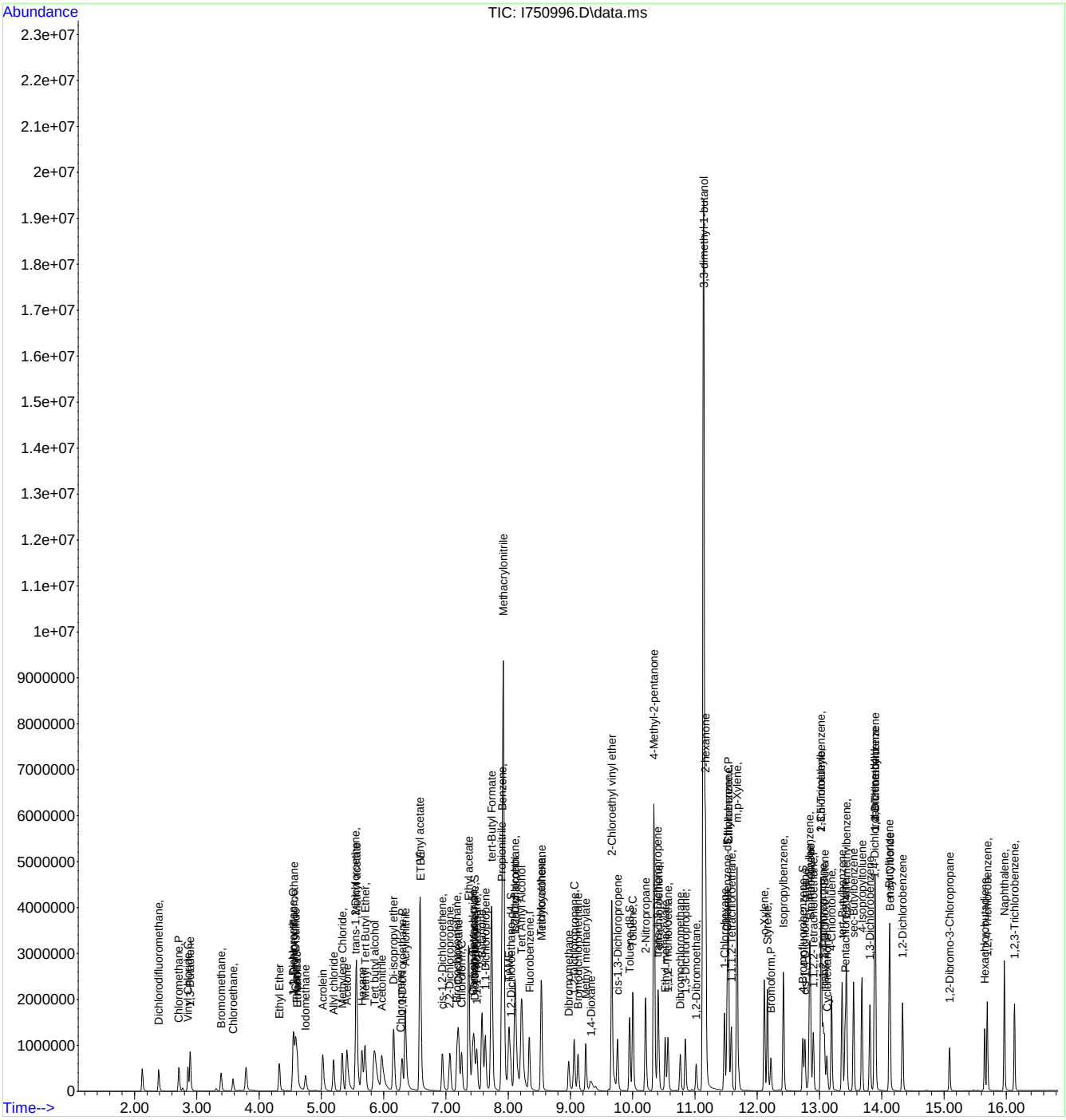
7.6.18

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750996.D
Acq On : 30 Aug 2022 1:44 pm
Operator : adelardl
Sample : IC2679-7
Misc : MS52156,VI2679,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 14:21:00 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration



Manual Integration Approval Summary

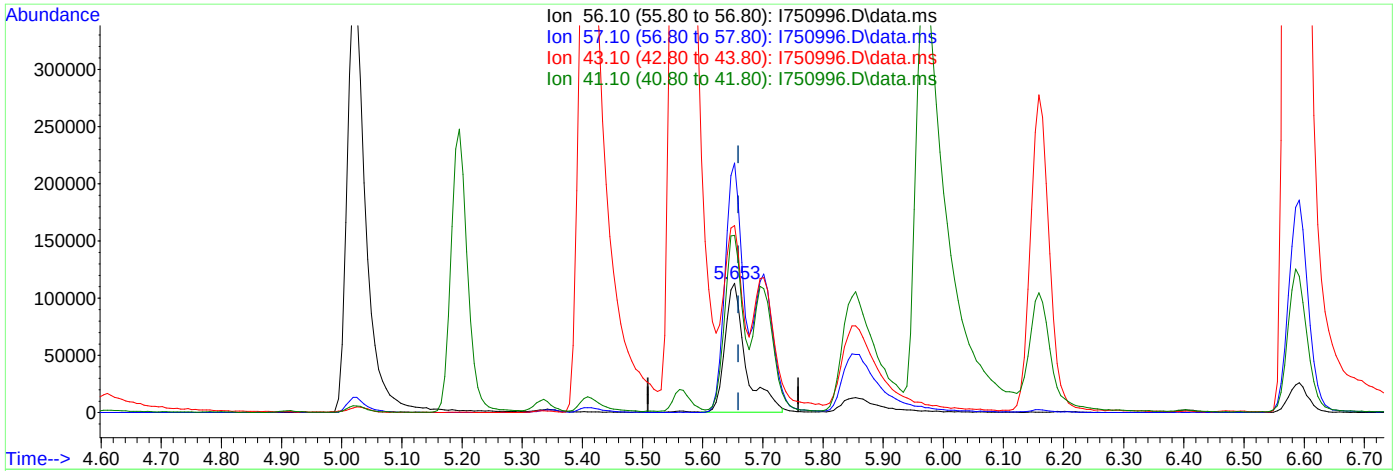
Sample Number: VI2679-IC2679
Lab FileID: I750996.D
Injection Time: 08/30/22 13:44
Method: SW846 8260D
Analyst approved: 08/30/22 17:27 Adelard Lefebvre
Supervisor approved: 09/01/22 05:05 Jennifer Fereira

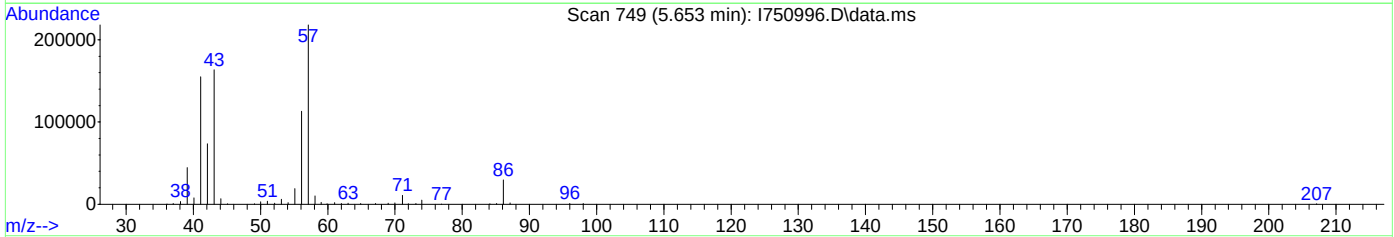
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.65	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.14	Overlapping peak
2-Hexanone	591-78-6		11.17	Overlapping peak

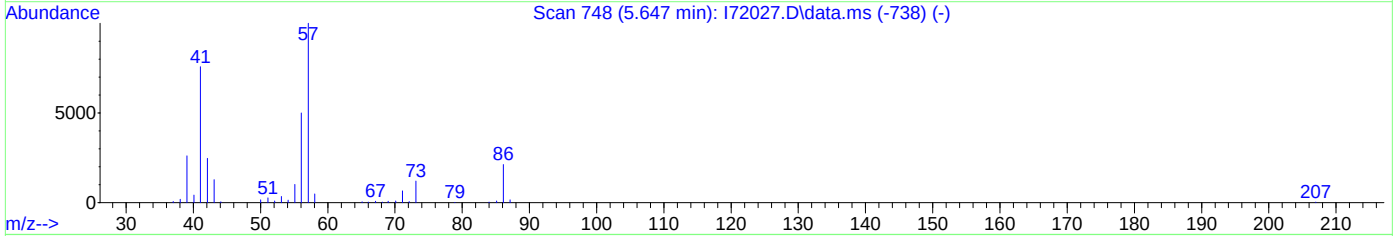
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750996.D
Acq On : 30 Aug 2022 1:44 pm
Operator : adelardl
Sample : IC2679-7
Misc : MS52156,VI2679,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 14:18:38 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750996.D\data.ms

(22) Hexane

5.653min (-0.006) 140.74ug/L

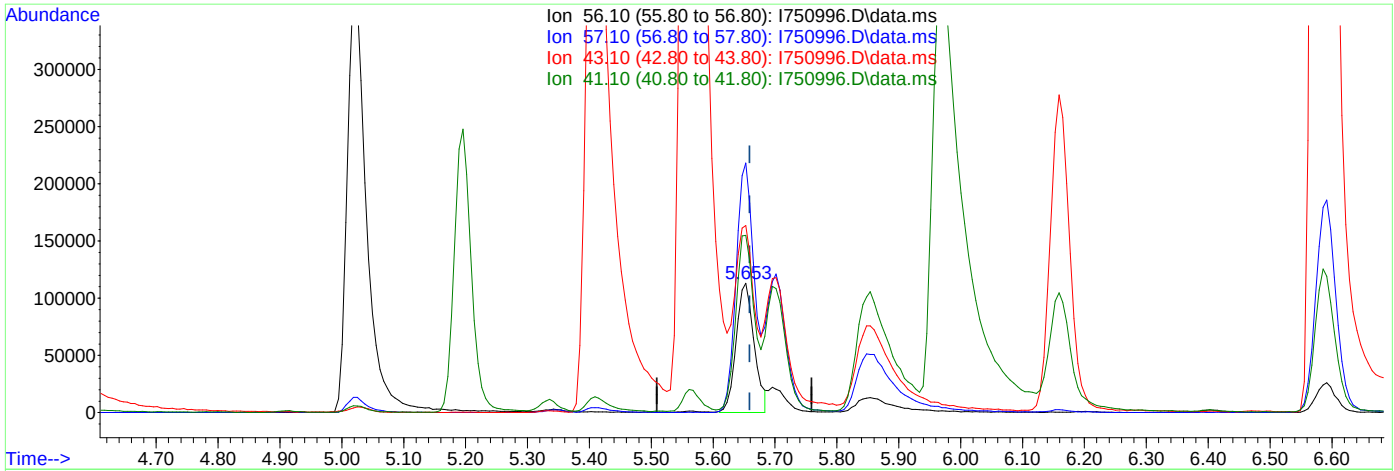
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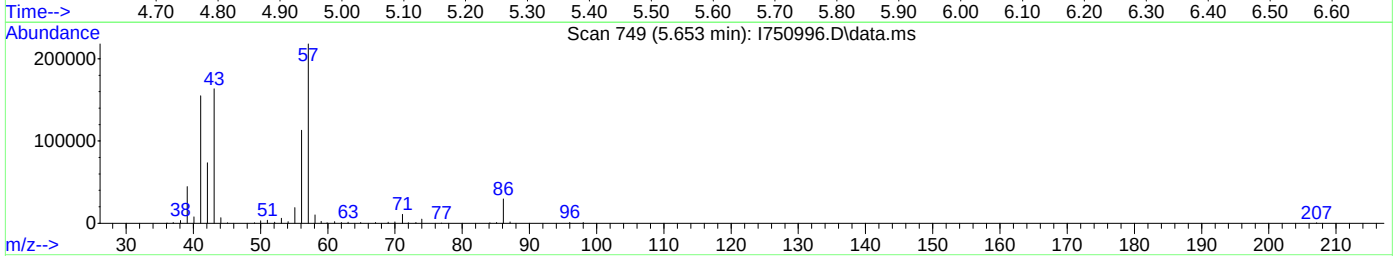
Ion	Exp%	Act%
56.10	100	100
57.10	190.50	193.60
43.10	122.60	122.50
41.10	142.70	134.65

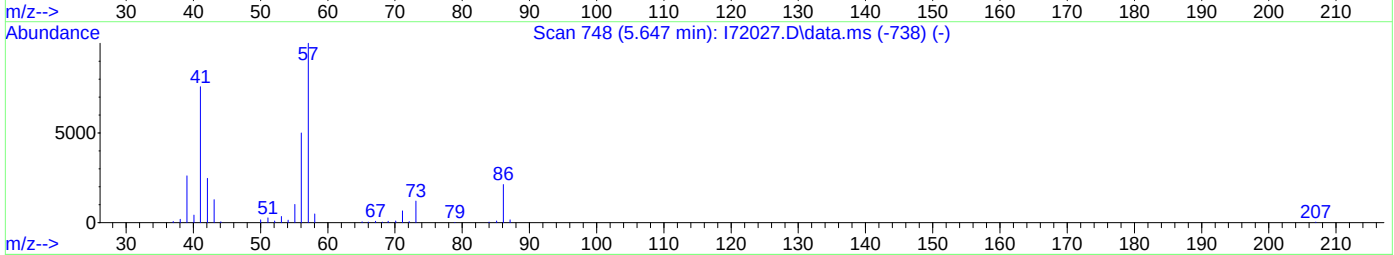
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750996.D
Acq On : 30 Aug 2022 1:44 pm
Operator : adelardl
Sample : IC2679-7
Misc : MS52156,VI2679,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 14:18:38 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750996.D\data.ms

(22) Hexane

5.653min (-0.006) 95.25ug/L m

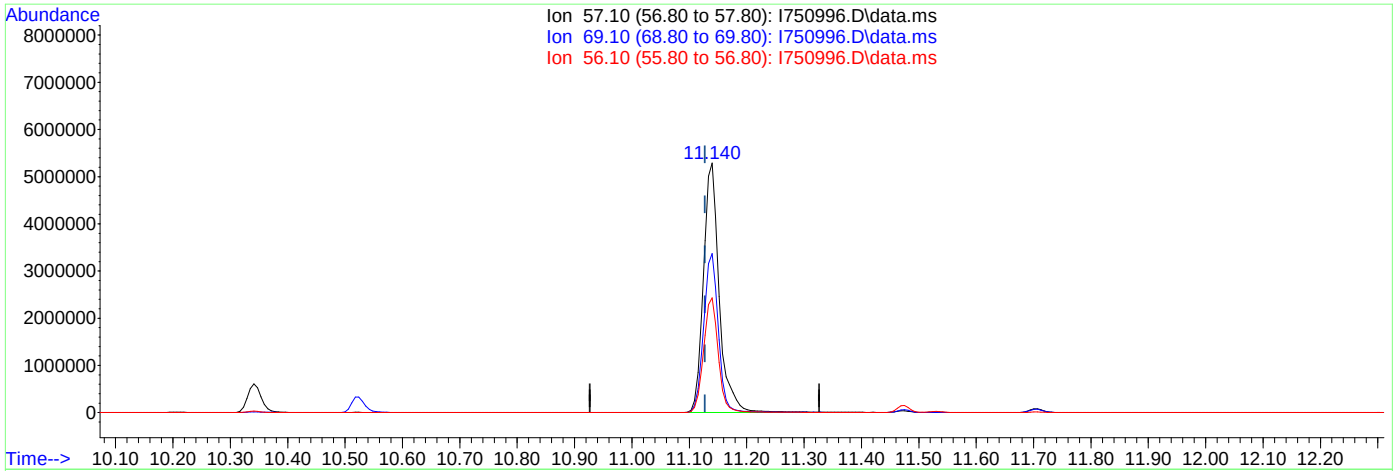
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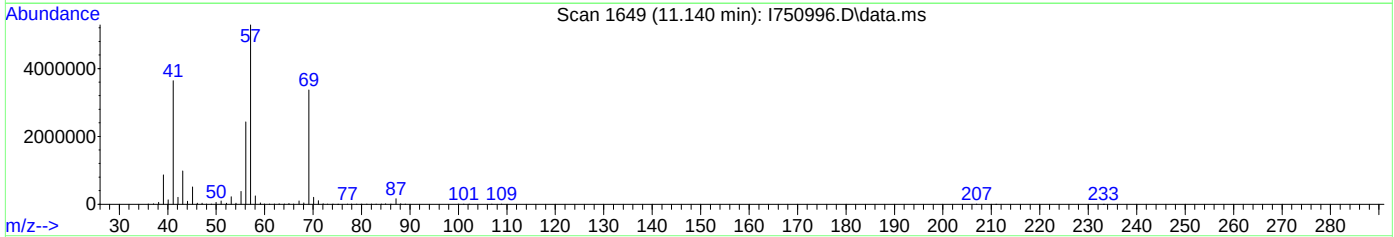
Ion	Exp%	Act%
56.10	100	100
57.10	190.50	192.97
43.10	122.60	144.64
41.10	142.70	136.95

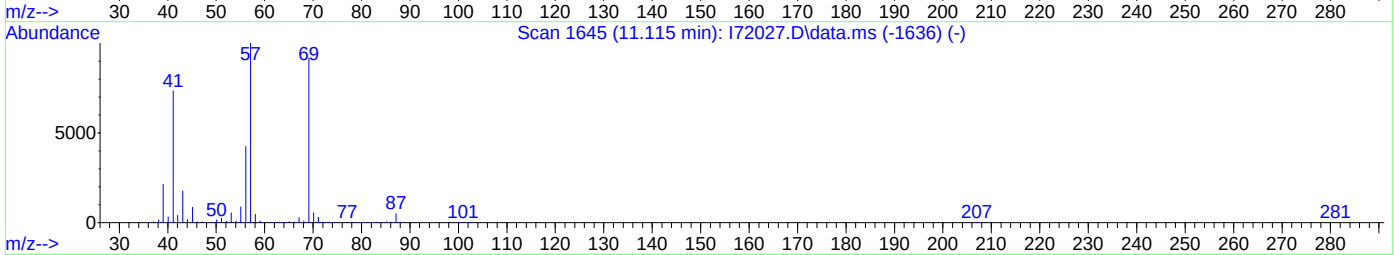
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750996.D
Acq On : 30 Aug 2022 1:44 pm
Operator : adelardl
Sample : IC2679-7
Misc : MS52156,VI2679,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 14:18:38 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750996.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.140min (+0.013) 4797.14ug/L

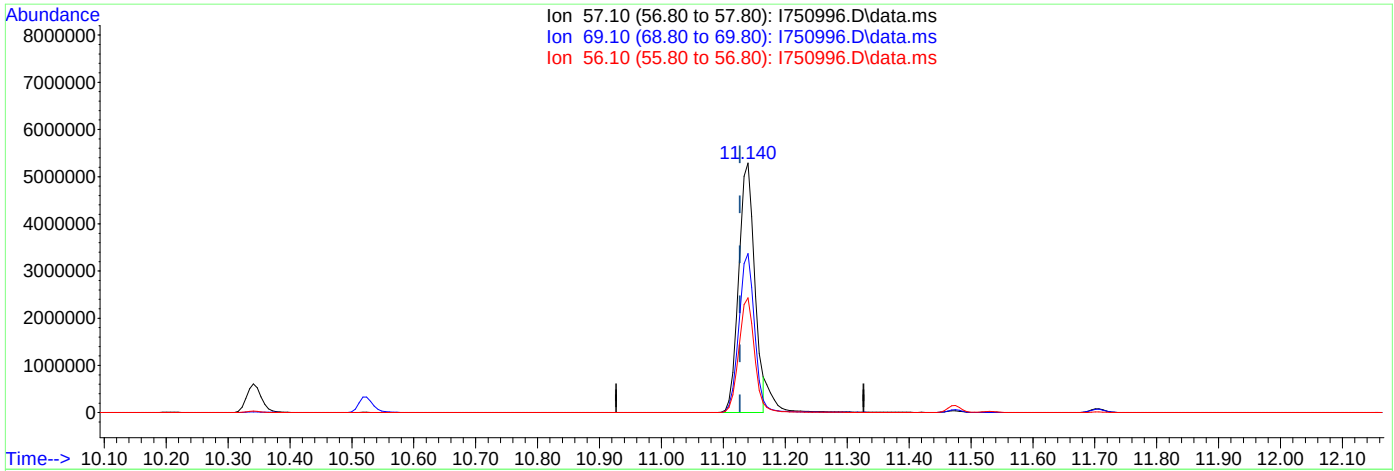
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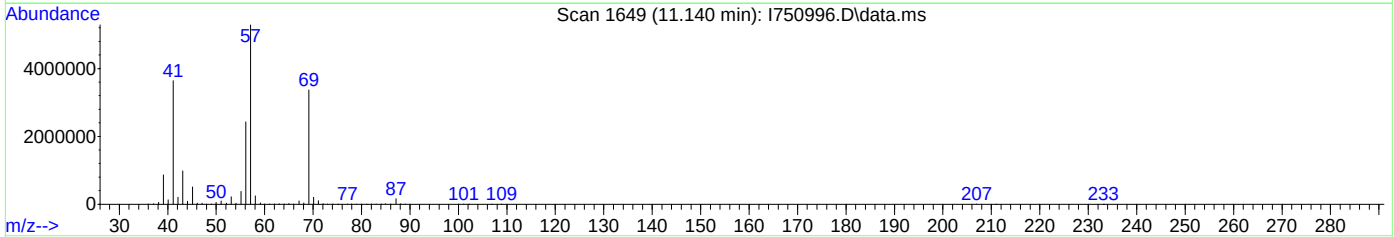
Ion	Exp%	Act%
57.10	100	100
69.10	63.30	63.60
56.10	43.90	45.90
0.00	0.00	0.00

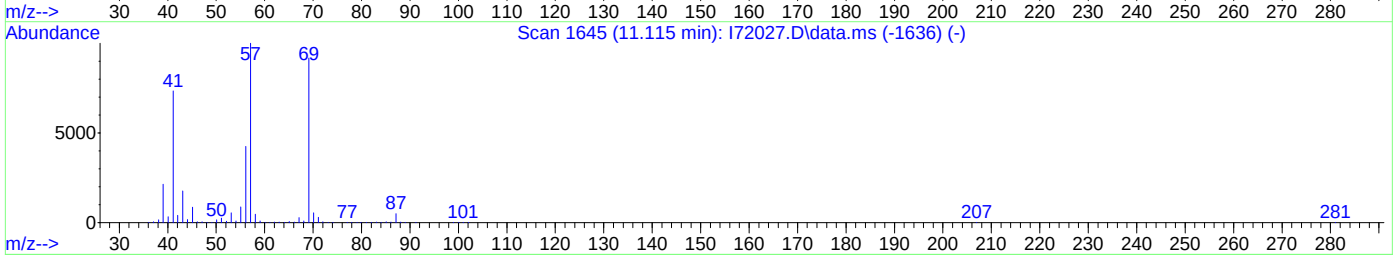
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750996.D
Acq On : 30 Aug 2022 1:44 pm
Operator : adelardl
Sample : IC2679-7
Misc : MS52156,VI2679,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 14:18:38 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750996.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.140min (+0.013) 4477.22ug/L m

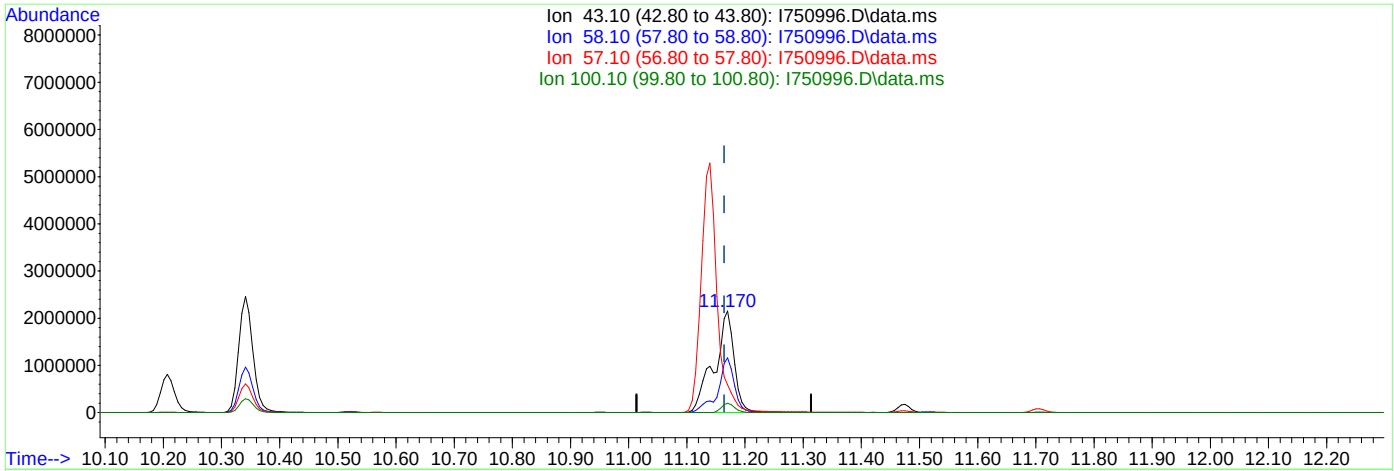
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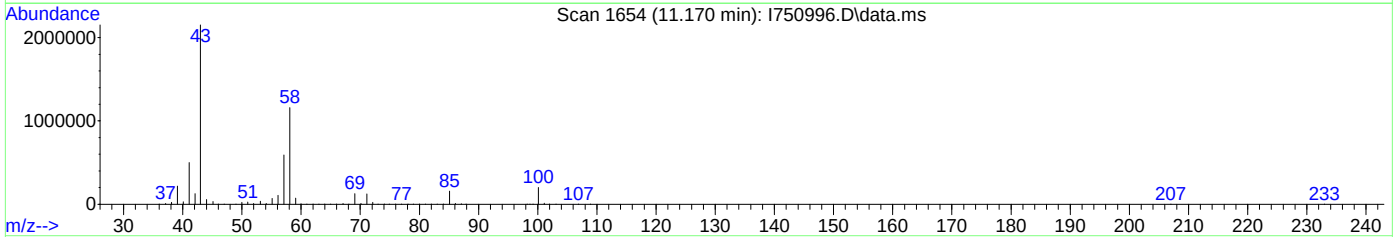
Ion	Exp%	Act%
57.10	100	100
69.10	63.30	63.64
56.10	43.90	45.91
0.00	0.00	0.00

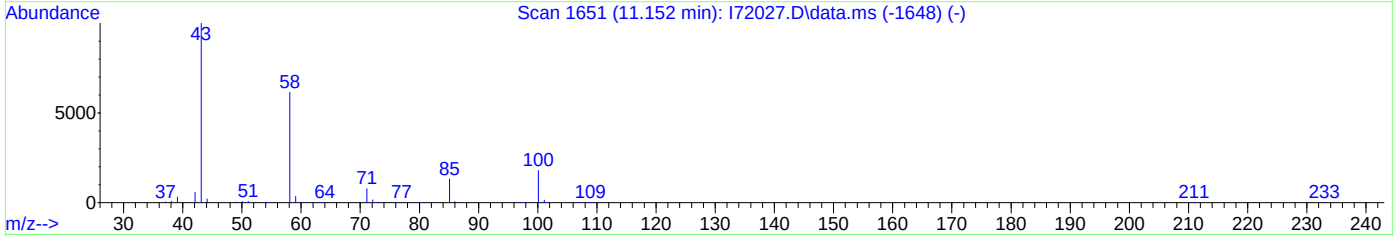
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750996.D
Acq On : 30 Aug 2022 1:44 pm
Operator : adelardl
Sample : IC2679-7
Misc : MS52156,VI2679,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 14:18:38 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750996.D\data.ms

(75) 2-hexanone

11.170min (+0.006) 809.81ug/L

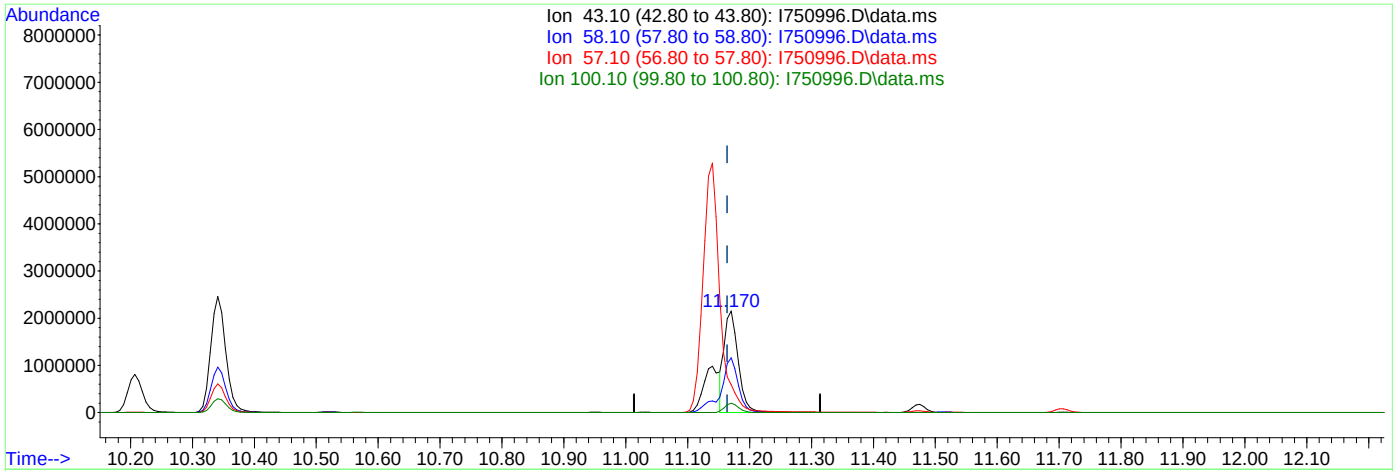
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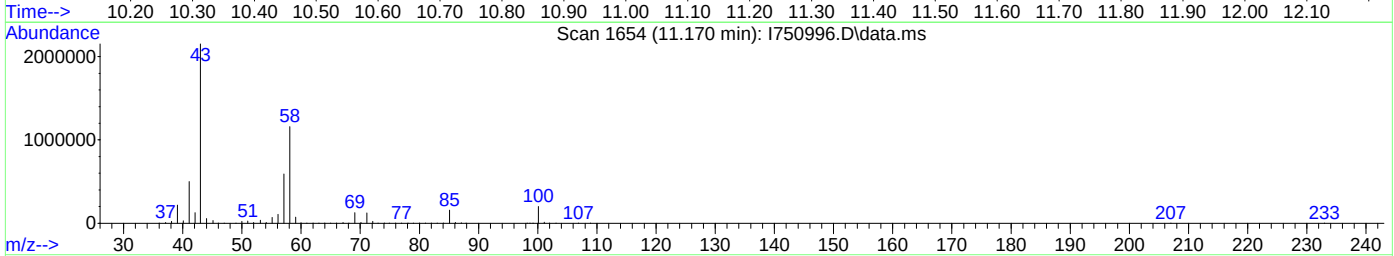
Ion	Exp%	Act%
43.10	100	100
58.10	51.80	53.94
57.10	25.00	27.44
100.10	8.80	9.34

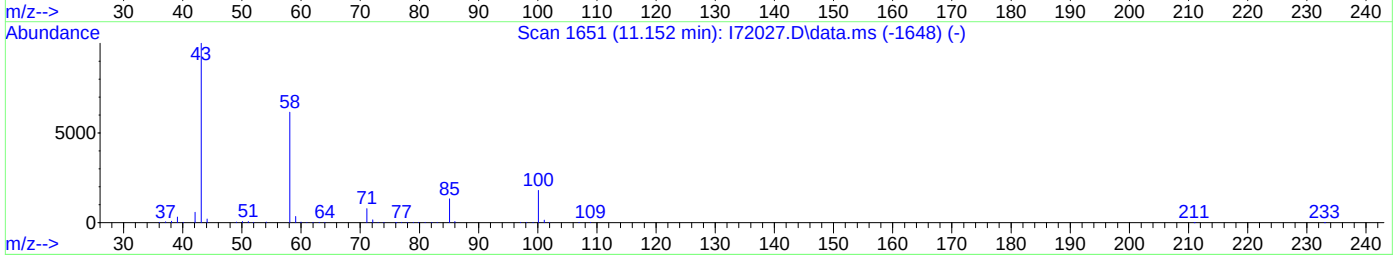
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750996.D
Acq On : 30 Aug 2022 1:44 pm
Operator : adelardl
Sample : IC2679-7
Misc : MS52156,VI2679,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 14:18:38 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 10:20:30 2022
Response via : Initial Calibration







TIC: I750996.D\data.ms

(75) 2-hexanone

11.170min (+0.006) 433.88ug/L m

response 3346234

Ion	Exp%	Act%
43.10	100	100
58.10	51.80	53.86
57.10	25.00	27.45
100.10	8.80	9.32

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Fereira
09/01/22 05:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750998.D
Acq On : 30 Aug 2022 2:33 pm
Operator : adelardl
Sample : ICV2679-5
Misc : MS52156,VI2679,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 30 17:14:01 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.335	96	1102258	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	800068	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.883	152	410327	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.451	113	306165	50.26	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	100.52%		
49) 1,2-Dichloroethane-d4	8.037	65	333716	48.31	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	96.62%		
63) Toluene-d8	9.951	98	1098257	50.34	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	100.68%		
86) 4-Bromofluorobenzene	12.731	174	339433	49.79	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.58%		
Target Compounds						Qvalue
3) Chloromethane	2.715	50	238524	37.01	ug/L	98
4) Vinyl Chloride	2.861	62	213128	36.60	ug/L	97
5) 1,3-Butadiene	2.885	39	170785	40.68	ug/L	93
6) Bromomethane	3.391	94	117394	38.12	ug/L	95
7) Chloroethane	3.599	64	127752	46.42	ug/L	99
8) Trichlorofluoromethane	3.818	101	245913	35.72	ug/L	95
9) Ethyl Ether	4.294	59	162045	39.27	ug/L	96
10) 1,2-Dichlorotrifluoroe...	4.550	67	211396	43.99	ug/L	98
11) 1,1-Dichloroethene	4.550	61	292184	42.36	ug/L	100
13) Freon 113	4.611	101	146357	38.08	ug/L	96
14) Carbon Disulfide	4.592	76	422272	35.21	ug/L	100
16) Acrolein	5.019	56	293198	167.05	ug/L	100
17) Allyl chloride	5.196	41	264949	43.77	ug/L	99
18) Methylene Chloride	5.330	49	265888	35.02	ug/L	99
19) Acetone	5.421	43	608628	173.76	ug/L	99
20) Methyl acetate	5.562	43	1293547	191.79	ug/L	98
21) trans-1,2-Dichloroethene	5.549	61	257148	40.44	ug/L	96
22) Hexane	5.653	56	114172m	37.88	ug/L	
23) Methyl Tert Butyl Ether	5.696	73	550145	47.32	ug/L	81
26) Di-isopropyl ether	6.153	45	608684	42.21	ug/L	99
27) Chloroprene	6.275	53	280592	217.19	ug/L	94
28) 1,1-Dichloroethane	6.293	63	336411	42.21	ug/L	98
29) Acrylonitrile	6.354	53	676209	195.33	ug/L	99
30) ETBE	6.586	59	556337	38.18	ug/L	98
31) Vinyl acetate	6.580	43	2168136	204.77	ug/L	99
32) cis-1,2-Dichloroethene	6.945	96	170318	41.10	ug/L	99
33) 2,2-Dichloropropane	7.061	77	250932	38.22	ug/L	99
34) Bromochloromethane	7.177	128	77749	42.34	ug/L	90
35) Cyclohexane	7.202	56	294824	39.39	ug/L	98
36) Chloroform	7.250	83	292809	38.71	ug/L	98
37) Ethyl acetate	7.366	43	1829732	197.84	ug/L	99
38) Tetrahydrofuran	7.451	42	154618	36.75	ug/L	98
40) Carbon Tetrachloride	7.433	117	227671	39.42	ug/L	98
41) 1,1,1-Trichloroethane	7.494	97	263593	39.37	ug/L	98
42) 2-Butanone	7.586	43	1109821	191.26	ug/L	99
43) 1,1-Dichloropropene	7.634	75	223807	39.74	ug/L	97
44) tert-Butyl Formate	7.732	59	820491	178.05	ug/L	99
45) Propionitrile	7.903	54	628499	354.54	ug/L #	27
46) Methacrylonitrile	7.921	41	1932601	373.31	ug/L	99
47) Benzene	7.903	78	636329	39.66	ug/L	95
48) TAME	8.012	73	644822	54.71	ug/L	98
50) Isobutyl alcohol	8.116	42	450704	851.00	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750998.D
Acq On : 30 Aug 2022 2:33 pm
Operator : adelardl
Sample : ICV2679-5
Misc : MS52156,VI2679,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 30 17:14:01 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	1,2-Dichloroethane	8.110	62	244363	39.46	ug/L		96
52)	Tert Amyl Alcohol	8.220	59	715975	349.06	ug/L		99
53)	Trichloroethene	8.531	95	171089	39.05	ug/L		98
54)	Methylcyclohexane	8.537	83	223548	38.81	ug/L		96
55)	Dibromomethane	8.969	93	106118	39.04	ug/L		95
56)	1,2-Dichloropropane	9.061	63	174763	38.11	ug/L		98
57)	Bromodichloromethane	9.122	83	223239	40.57	ug/L		100
58)	Methyl methacrylate	9.244	41	228710	39.87	ug/L		98
59)	1,4-Dioxane	9.378	88	102732	673.04	ug/L		94
60)	2-Chloroethyl vinyl ether	9.664	63	772987	206.50	ug/L		99
61)	cis-1,3-Dichloropropene	9.756	75	259901	41.22	ug/L		99
64)	Toluene	10.006	91	667475	39.39	ug/L		100
65)	2-Nitropropane	10.207	41	473057	196.75	ug/L		98
66)	4-Methyl-2-pentanone	10.341	43	1881594	205.10	ug/L		100
67)	trans-1,3-Dichloropropene	10.402	75	238581	45.38	ug/L		92
68)	Tetrachloroethene	10.414	166	190583	39.84	ug/L		98
69)	Ethyl methacrylate	10.524	69	233744	39.78	ug/L		98
70)	1,1,2-Trichloroethane	10.567	83	134857	41.11	ug/L		98
71)	Dibromochloromethane	10.762	129	172127	39.94	ug/L		99
72)	1,3-Dichloropropane	10.847	76	245814	37.45	ug/L		98
73)	1,2-Dibromoethane	11.018	107	168746	40.92	ug/L		94
74)	3,3-dimethyl-1-butanol	11.134	57	3938670m	1887.49	ug/L		
75)	2-hexanone	11.170	43	1665258	200.63	ug/L		95
76)	1-Chlorohexane	11.475	91	214930	40.36	ug/L		98
77)	Ethylbenzene	11.536	91	744485	38.96	ug/L		99
78)	Chlorobenzene	11.530	112	426316	39.53	ug/L		98
79)	1,1,1,2-Tetrachloroethane	11.585	131	164164	40.74	ug/L		99
80)	m,p-Xylene	11.676	91	1147128	80.26	ug/L		99
81)	o-Xylene	12.115	91	589362	41.53	ug/L		100
82)	Styrene	12.164	104	429339	41.86	ug/L		99
83)	Bromoform	12.219	173	132445	42.03	ug/L		99
84)	Isopropylbenzene	12.420	105	720727	41.32	ug/L		99
87)	cis-1,4-Dichloro-2-butene	12.768	53	99540	36.33	ug/L		92
88)	n-Propylbenzene	12.841	91	858583	40.30	ug/L		98
89)	Bromobenzene	12.853	156	175553	37.60	ug/L		99
90)	1,1,2,2-Tetrachloroethane	12.902	83	268056	38.73	ug/L		99
91)	1,3,5-Trimethylbenzene	13.024	105	581765	39.19	ug/L		98
92)	2-Chlorotoluene	13.024	91	550529	39.15	ug/L		98
93)	trans-1,4-Dichloro-2-B...	13.078	53	90280	34.36	ug/L		96
94)	1,2,3-Trichloropropane	13.054	110	81108	36.49	ug/L		96
95)	Cyclohexanone	13.127	55	130124	185.78	ug/L		97
96)	4-Chlorotoluene	13.194	91	503154	39.51	ug/L		100
97)	tert-Butylbenzene	13.365	91	332752	39.37	ug/L		98
98)	1,2,4-Trimethylbenzene	13.432	105	583462	40.81	ug/L		100
99)	Pentachloroethane	13.414	167	105162	37.95	ug/L		96
100)	sec-Butylbenzene	13.548	105	717843	40.90	ug/L		99
101)	4-Isopropyltoluene	13.682	119	605761	41.54	ug/L		99
102)	1,3-Dichlorobenzene	13.810	146	327756	40.93	ug/L		98
103)	1,2,3-Trimethylbenzene	13.895	105	601163	40.49	ug/L		98
104)	1,4-Dichlorobenzene	13.895	146	329931	37.79	ug/L		98
105)	n-Butylbenzene	14.121	92	316057	38.11	ug/L		91
106)	Benzyl Chloride	14.133	126	69697	32.09	ug/L	#	84
107)	1,2-Dichlorobenzene	14.334	146	311253	39.25	ug/L		99
108)	1,2-Dibromo-3-Chloropr...	15.090	75	74424	35.97	ug/L		94
109)	Hexachlorobutadiene	15.651	225	85740	35.39	ug/L		96
110)	1,2,4-Trichlorobenzene	15.694	180	195467	37.52	ug/L		98
111)	Naphthalene	15.968	128	657202	37.42	ug/L		100
112)	1,2,3-Trichlorobenzene	16.133	180	187871	35.89	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750998.D
Acq On : 30 Aug 2022 2:33 pm
Operator : adelardl
Sample : ICV2679-5
Misc : MS52156,VI2679,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 30 17:14:01 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

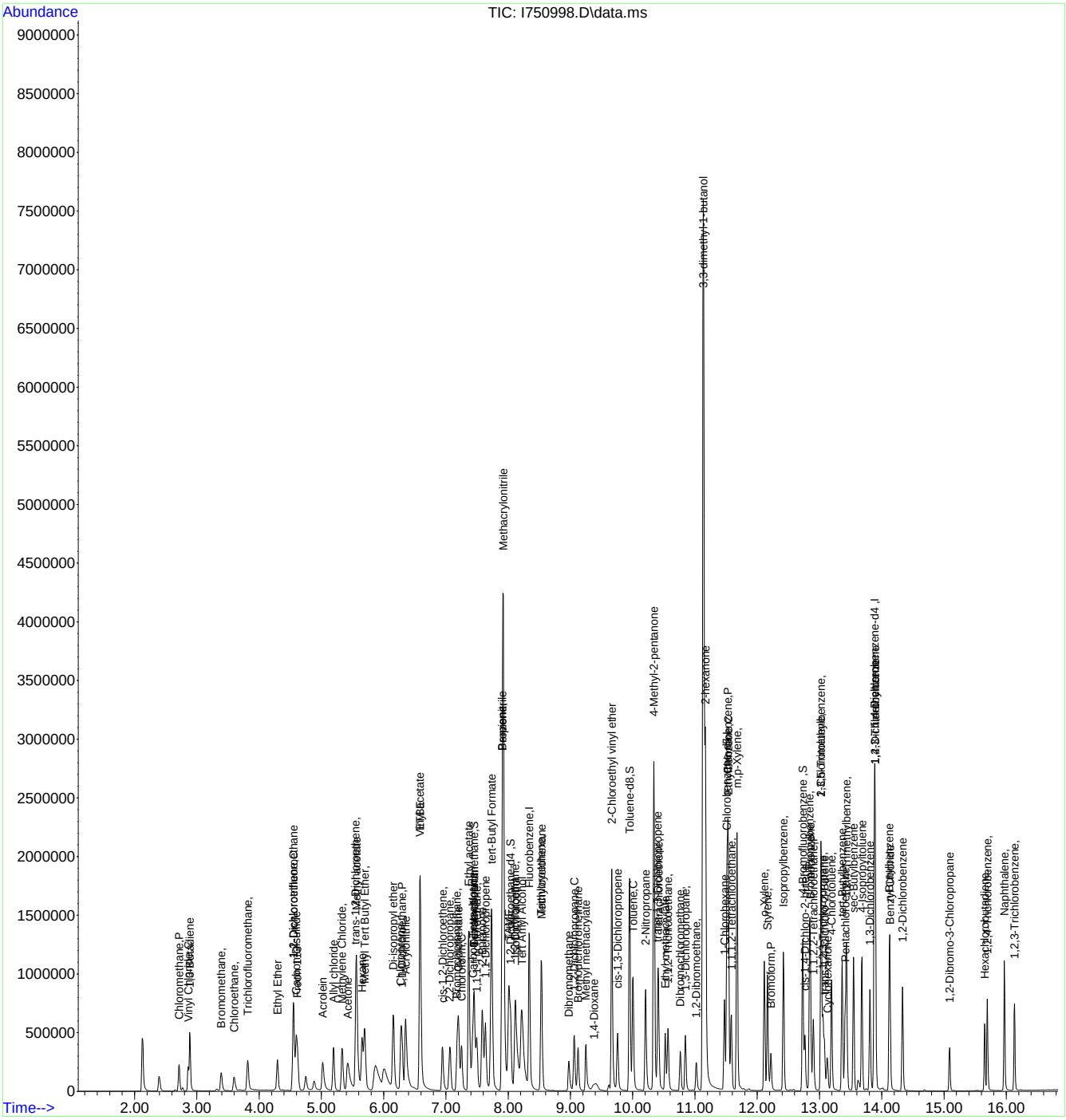
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750998.D
Acq On : 30 Aug 2022 2:33 pm
Operator : adelardl
Sample : ICV2679-5
Misc : MS52156,VI2679,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 30 17:14:01 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration



Manual Integration Approval Summary

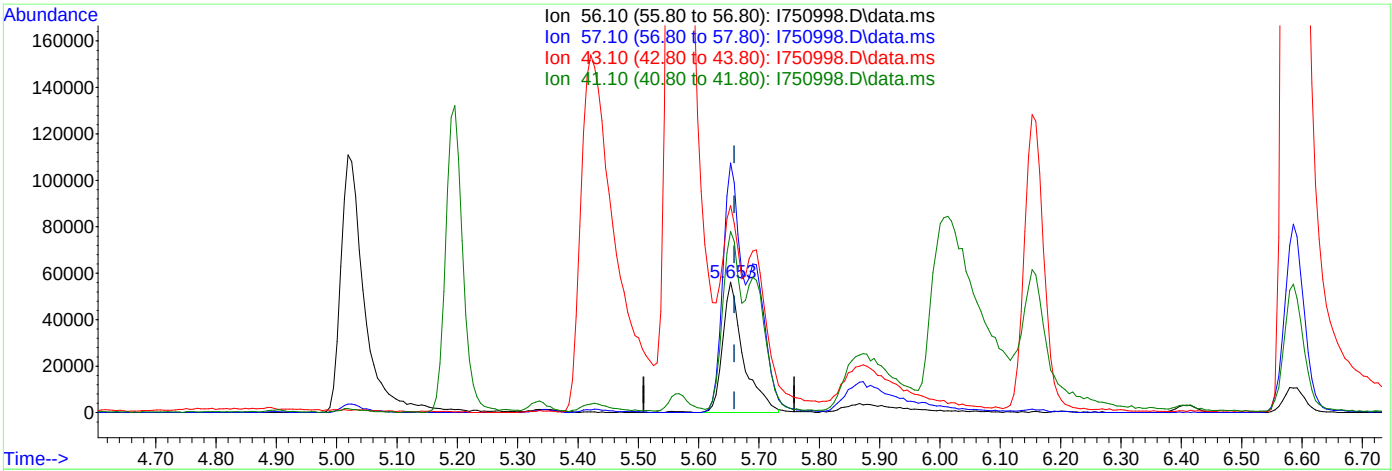
Sample Number: VI2679-ICV2679
Lab FileID: I750998.D
Injection Time: 08/30/22 14:33
Method: SW846 8260D
Analyst approved: 08/30/22 17:27 Adelard Lefebvre
Supervisor approved: 09/01/22 05:05 Jennifer Fereira

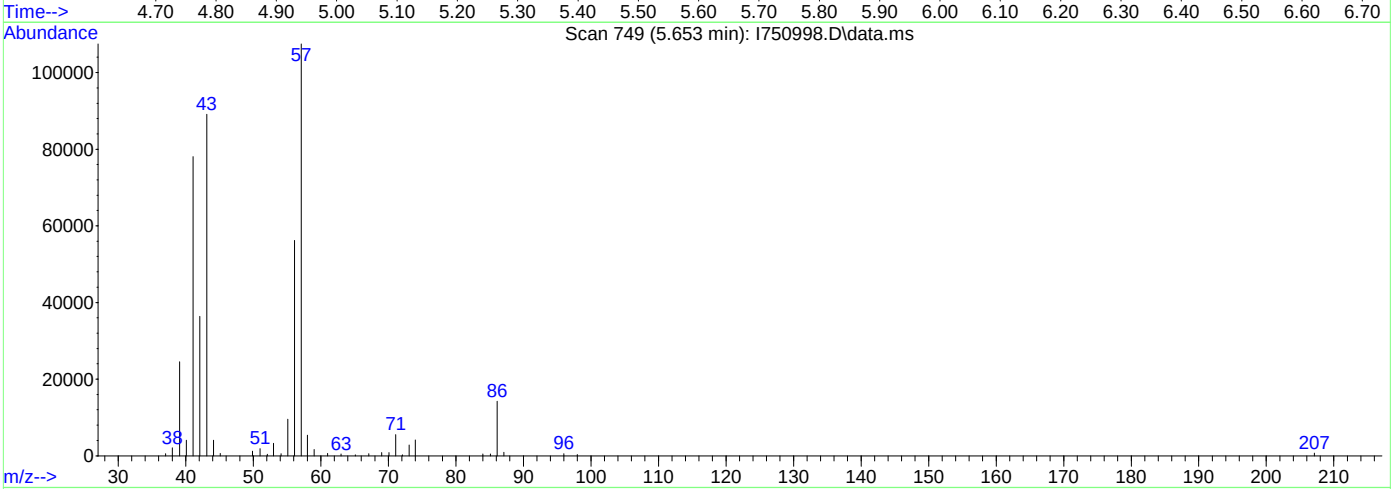
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.65	Overlapping peak
3,3-Dimethyl-1-Butanol	624-95-3		11.13	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750998.D
Acq On : 30 Aug 2022 2:33 pm
Operator : adelardl
Sample : ICV2679-5
Misc : MS52156,VI2679,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 30 15:41:24 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I750998.D\data.ms

(22) Hexane

5.653min (-0.006) 44.53ug/L

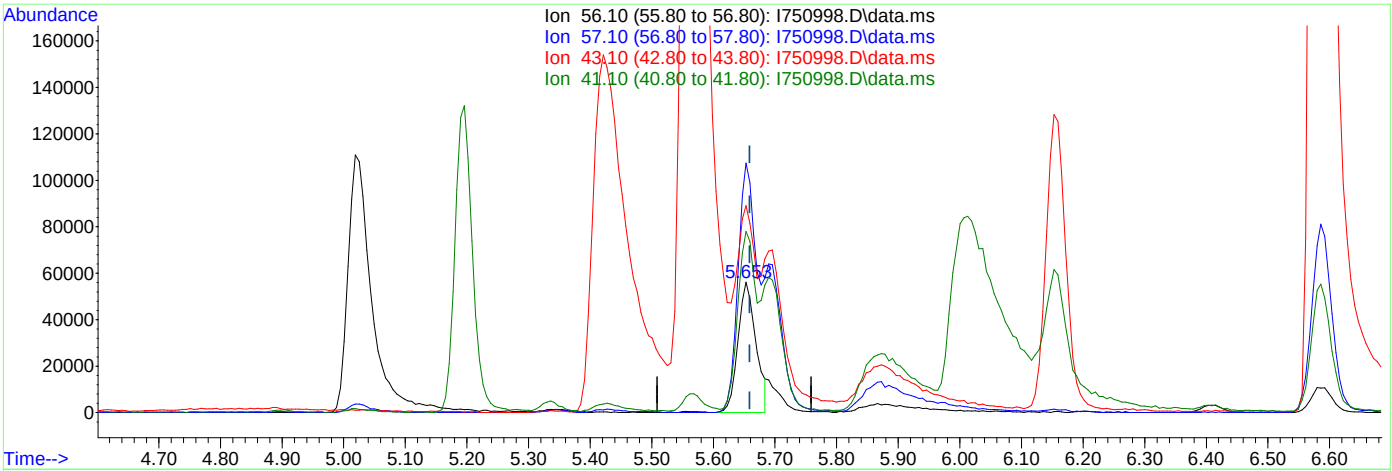
response 134236

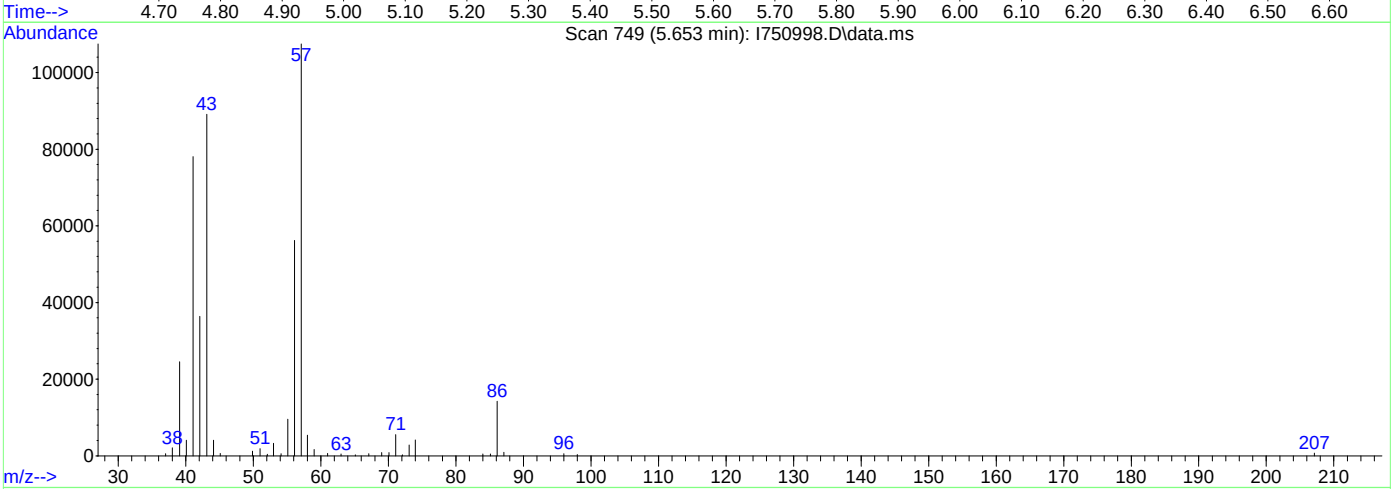
Ion	Exp%	Act%
56.10	100	100
57.10	202.30	191.26
43.10	153.70	137.60
41.10	148.20	135.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750998.D
Acq On : 30 Aug 2022 2:33 pm
Operator : adelardl
Sample : ICV2679-5
Misc : MS52156,VI2679,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 30 15:41:24 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I750998.D\data.ms

(22) Hexane

5.653min (-0.006) 37.88ug/L m

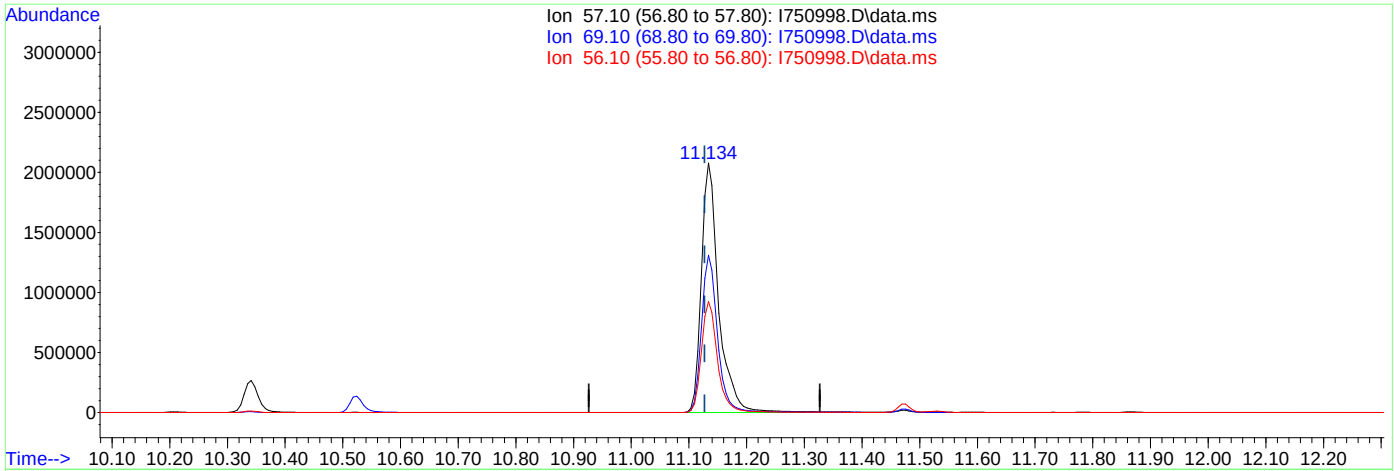
response 114172

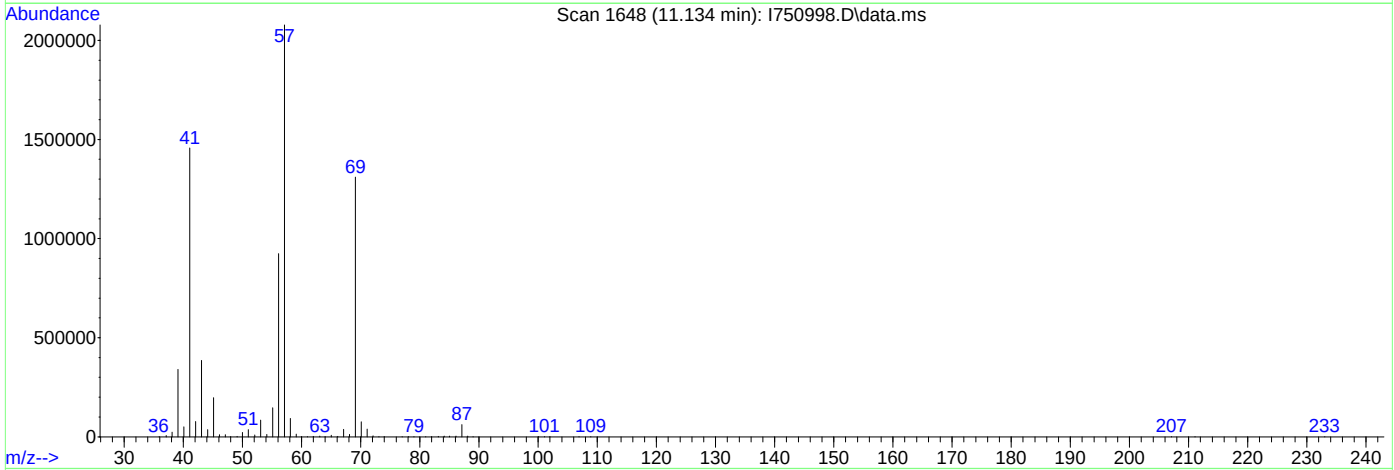
Ion	Exp%	Act%
56.10	100	100
57.10	202.30	191.26
43.10	153.70	158.60
41.10	148.20	138.86

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750998.D
Acq On : 30 Aug 2022 2:33 pm
Operator : adelardl
Sample : ICV2679-5
Misc : MS52156,VI2679,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 30 15:41:24 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I750998.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.134min (+0.007) 2071.86ug/L

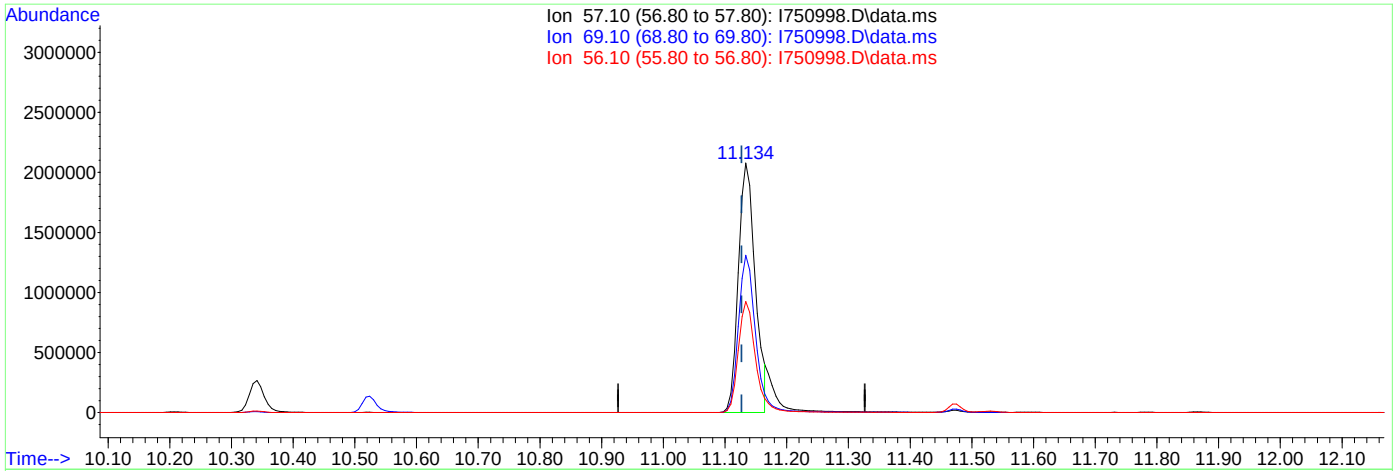
response 4338775

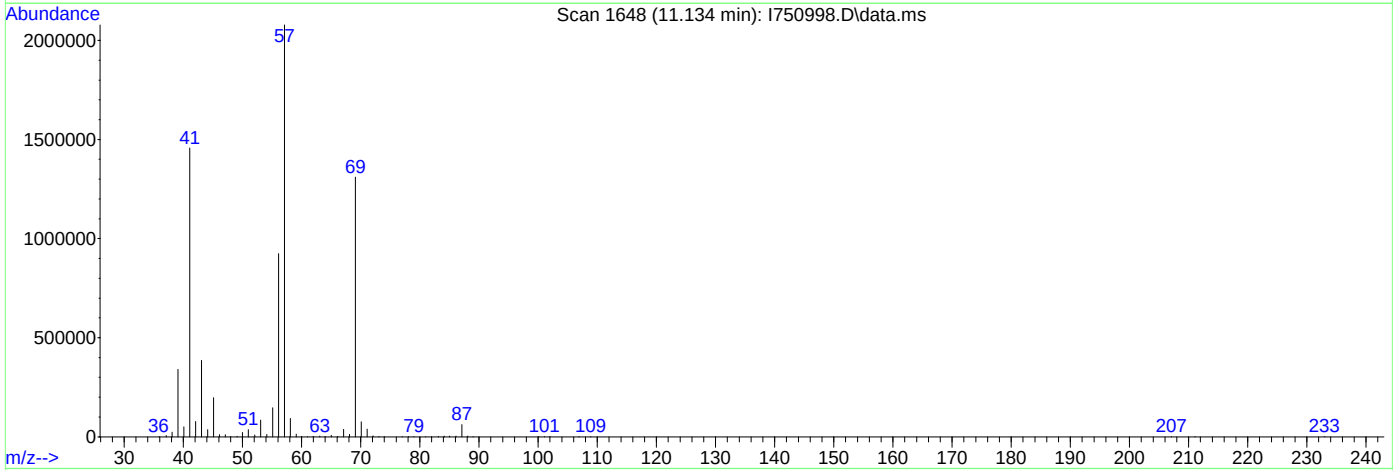
Ion	Exp%	Act%
57.10	100	100
69.10	62.70	63.00
56.10	44.70	44.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750998.D
Acq On : 30 Aug 2022 2:33 pm
Operator : adelardl
Sample : ICV2679-5
Misc : MS52156,VI2679,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 30 15:41:24 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration





TIC: I750998.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.134min (+0.007) 1887.49ug/L m

response 3938670

Ion	Exp%	Act%
57.10	100	100
69.10	62.70	63.00
56.10	44.70	44.47
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750999.D
Acq On : 30 Aug 2022 2:56 pm
Operator : adelardl
Sample : ICV2679-4
Misc : MS52156,VI2679,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 30 15:43:03 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

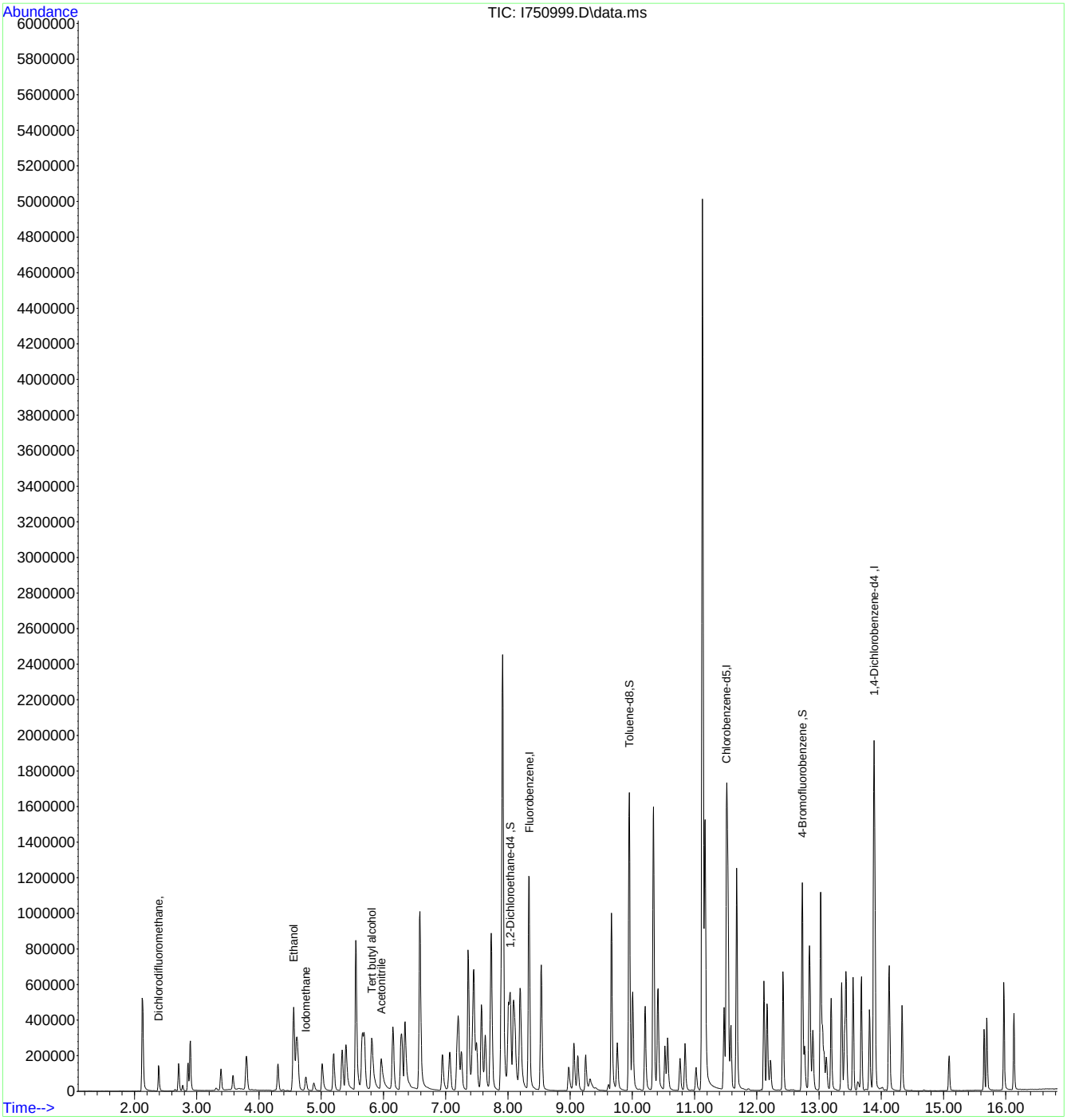
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.342	96	1022969	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	737428	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.883	152	363923	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	0.000	113	0d	0.00	ug/L	
Spiked Amount 50.000	Range 83 - 118		Recovery =	0.00%#		
49) 1,2-Dichloroethane-d4	8.037	65	325597	50.79	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	101.58%		
63) Toluene-d8	9.951	98	1015607	50.51	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	101.02%		
86) 4-Bromofluorobenzene	12.731	174	305368	50.50	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	101.00%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.385	85	112968	24.35	ug/L	100
12) Ethanol	4.556	45	93272	441.04	ug/L	100
15) Iodomethane	4.751	142	92877	20.05	ug/L	98
24) Tert butyl alcohol	5.812	59	512894	237.23	ug/L	100
25) Acetonitrile	5.964	41	295679	221.20	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-30\
Data File : I750999.D
Acq On : 30 Aug 2022 2:56 pm
Operator : adelardl
Sample : ICV2679-4
Misc : MS52156,VI2679,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 30 15:43:03 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751016.D
Acq On : 31 Aug 2022 1:40 pm
Operator : KarenW
Sample : CC2679-5
Misc : MS52297,VI2680,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 08:14:26 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.335	96	896033	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	655405	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	340895	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.451	113	248935	50.27	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	100.54%		
49) 1,2-Dichloroethane-d4	8.037	65	276510	49.25	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery =	98.50%		
63) Toluene-d8	9.951	98	897347	50.21	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery =	100.42%		
86) 4-Bromofluorobenzene	12.731	174	280558	49.54	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery =	99.08%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.385	85	169888	42.57	ug/L	99
3) Chloromethane	2.708	50	197880	37.77	ug/L	97
4) Vinyl Chloride	2.855	62	186729	39.44	ug/L	99
5) 1,3-Butadiene	2.897	39	126321	36.72	ug/L	98
6) Bromomethane	3.385	94	100920	40.45	ug/L	99
7) Chloroethane	3.580	64	85780	37.40	ug/L	97
8) Trichlorofluoromethane	3.794	101	237496	43.79	ug/L	96
9) Ethyl Ether	4.306	59	126540	37.73	ug/L	95
10) 1,2-Dichlorotrifluoroe...	4.556	67	142640	36.52	ug/L	99
11) 1,1-Dichloroethene	4.556	61	210406	37.52	ug/L	98
12) Ethanol	4.549	45	154119	831.99	ug/L	99
13) Freon 113	4.617	101	131944	42.23	ug/L	96
14) Carbon Disulfide	4.598	76	363608	37.30	ug/L	99
15) Iodomethane	4.751	142	152169	37.90	ug/L	95
16) Acrolein	5.013	56	286784	199.99	ug/L	98
17) Allyl chloride	5.196	41	176328	35.83	ug/L	98
18) Methylene Chloride	5.336	49	210198	33.96	ug/L	96
19) Acetone	5.397	43	570731	200.44	ug/L	99
20) Methyl acetate	5.555	43	1155824	210.81	ug/L	99
21) trans-1,2-Dichloroethene	5.555	61	195781	37.88	ug/L	99
22) Hexane	5.653	56	116220	47.43	ug/L	91
23) Methyl Tert Butyl Ether	5.689	73	369347	39.08	ug/L	90
24) Tert butyl alcohol	5.818	59	800704	422.81	ug/L	99
25) Acetonitrile	5.958	41	463907	396.22	ug/L	100
26) Di-isopropyl ether	6.153	45	459927	39.23	ug/L	98
27) Chloroprene	6.281	53	36727	34.97	ug/L	95
28) 1,1-Dichloroethane	6.299	63	244613	37.75	ug/L	99
29) Acrylonitrile	6.342	53	586210	208.30	ug/L	99
30) ETBE	6.586	59	461704	38.98	ug/L	99
31) Vinyl acetate	6.580	43	1676850	195.22	ug/L	99
32) cis-1,2-Dichloroethene	6.945	96	127848	37.96	ug/L	97
33) 2,2-Dichloropropane	7.061	77	202587	37.96	ug/L	97
34) Bromochloromethane	7.177	128	61298	41.07	ug/L	91
35) Cyclohexane	7.201	56	255413	41.98	ug/L	99
36) Chloroform	7.250	83	240962	39.19	ug/L	99
37) Ethyl acetate	7.360	43	1502279	199.82	ug/L	100
38) Tetrahydrofuran	7.445	42	136816	40.00	ug/L	99
40) Carbon Tetrachloride	7.433	117	176714	37.64	ug/L	99
41) 1,1,1-Trichloroethane	7.494	97	204138	37.51	ug/L	99
42) 2-Butanone	7.573	43	935289	198.09	ug/L	99
43) 1,1-Dichloropropene	7.634	75	176242	38.50	ug/L	97
44) tert-Butyl Formate	7.726	59	750896	199.34	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751016.D
Acq On : 31 Aug 2022 1:40 pm
Operator : KarenW
Sample : CC2679-5
Misc : MS52297,VI2680,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 08:14:26 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Propionitrile	7.890	54	596087	413.65	ug/L		96
46) Methacrylonitrile	7.915	41	1601375	380.52	ug/L		99
47) Benzene	7.902	78	491904	37.72	ug/L		90
48) TAME	8.006	73	368201	38.43	ug/L		99
50) Isobutyl alcohol	8.091	42	379784	882.13	ug/L		99
51) 1,2-Dichloroethane	8.110	62	193998	38.54	ug/L		99
52) Tert Amyl Alcohol	8.201	59	706880	423.94	ug/L		99
53) Trichloroethene	8.530	95	133963	37.61	ug/L		98
54) Methylcyclohexane	8.537	83	198061	42.30	ug/L		98
55) Dibromomethane	8.969	93	83717	37.89	ug/L		96
56) 1,2-Dichloropropane	9.061	63	142477	38.22	ug/L		98
57) Bromodichloromethane	9.122	83	169639	37.92	ug/L		99
58) Methyl methacrylate	9.244	41	178211	38.22	ug/L		97
59) 1,4-Dioxane	9.323	88	102390	818.74	ug/L		100
60) 2-Chloroethyl vinyl ether	9.664	63	595017	195.80	ug/L		98
61) cis-1,3-Dichloropropene	9.756	75	201721	39.36	ug/L		98
64) Toluene	10.000	91	511615	36.86	ug/L		98
65) 2-Nitropropane	10.201	41	418025	212.24	ug/L		98
66) 4-Methyl-2-pentanone	10.335	43	1521081	202.40	ug/L		100
67) trans-1,3-Dichloropropene	10.402	75	169848	39.44	ug/L		98
68) Tetrachloroethene	10.414	166	143449	36.61	ug/L		98
69) Ethyl methacrylate	10.524	69	189320	39.33	ug/L		98
70) 1,1,2-Trichloroethane	10.567	83	102699	38.22	ug/L		98
71) Dibromochloromethane	10.762	129	139052	39.39	ug/L		97
72) 1,3-Dichloropropane	10.847	76	205588	38.24	ug/L		99
73) 1,2-Dibromoethane	11.024	107	133355	39.47	ug/L		100
74) 3,3-dimethyl-1-butanol	11.127	57	3903408	2266.90	ug/L		99
75) 2-hexanone	11.164	43	1307430	192.04	ug/L		98
76) 1-Chlorohexane	11.475	91	166351	38.13	ug/L		98
77) Ethylbenzene	11.536	91	574814	36.72	ug/L		99
78) Chlorobenzene	11.530	112	324853	36.77	ug/L		99
79) 1,1,1,2-Tetrachloroethane	11.585	131	122546	37.12	ug/L		94
80) m,p-Xylene	11.676	91	884735	75.56	ug/L		99
81) o-Xylene	12.115	91	440144	37.86	ug/L		100
82) Styrene	12.164	104	329549	39.22	ug/L		99
83) Bromoform	12.219	173	103044	39.92	ug/L		98
84) Isopropylbenzene	12.420	105	542551	37.97	ug/L		99
87) cis-1,4-Dichloro-2-butene	12.767	53	80858	35.52	ug/L		98
88) n-Propylbenzene	12.841	91	648681	36.65	ug/L		99
89) Bromobenzene	12.853	156	142097	36.63	ug/L		97
90) 1,1,2,2-Tetrachloroethane	12.902	83	212064	36.88	ug/L		97
91) 1,3,5-Trimethylbenzene	13.023	105	458225	37.16	ug/L		100
92) 2-Chlorotoluene	13.023	91	427338	36.58	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.078	53	82073	37.60	ug/L		97
94) 1,2,3-Trichloropropane	13.054	110	69186	37.47	ug/L		95
95) Cyclohexanone	13.115	55	130870	224.90	ug/L		99
96) 4-Chlorotoluene	13.194	91	384440	36.33	ug/L		100
97) tert-Butylbenzene	13.365	91	254460	36.24	ug/L		98
98) 1,2,4-Trimethylbenzene	13.432	105	441805	37.19	ug/L		99
99) Pentachloroethane	13.408	167	83248	36.16	ug/L		96
100) sec-Butylbenzene	13.548	105	531239	36.43	ug/L		100
101) 4-Isopropyltoluene	13.682	119	456911	37.71	ug/L		98
102) 1,3-Dichlorobenzene	13.810	146	250209	37.61	ug/L		99
103) 1,2,3-Trimethylbenzene	13.889	105	449469	36.44	ug/L		99
104) 1,4-Dichlorobenzene	13.895	146	258533	35.65	ug/L		98
105) n-Butylbenzene	14.121	92	264097	38.33	ug/L		96
106) Benzyl Chloride	14.133	126	77926	41.44	ug/L	#	81
107) 1,2-Dichlorobenzene	14.334	146	243754	37.00	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751016.D
Acq On : 31 Aug 2022 1:40 pm
Operator : KarenW
Sample : CC2679-5
Misc : MS52297,VI2680,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 08:14:26 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

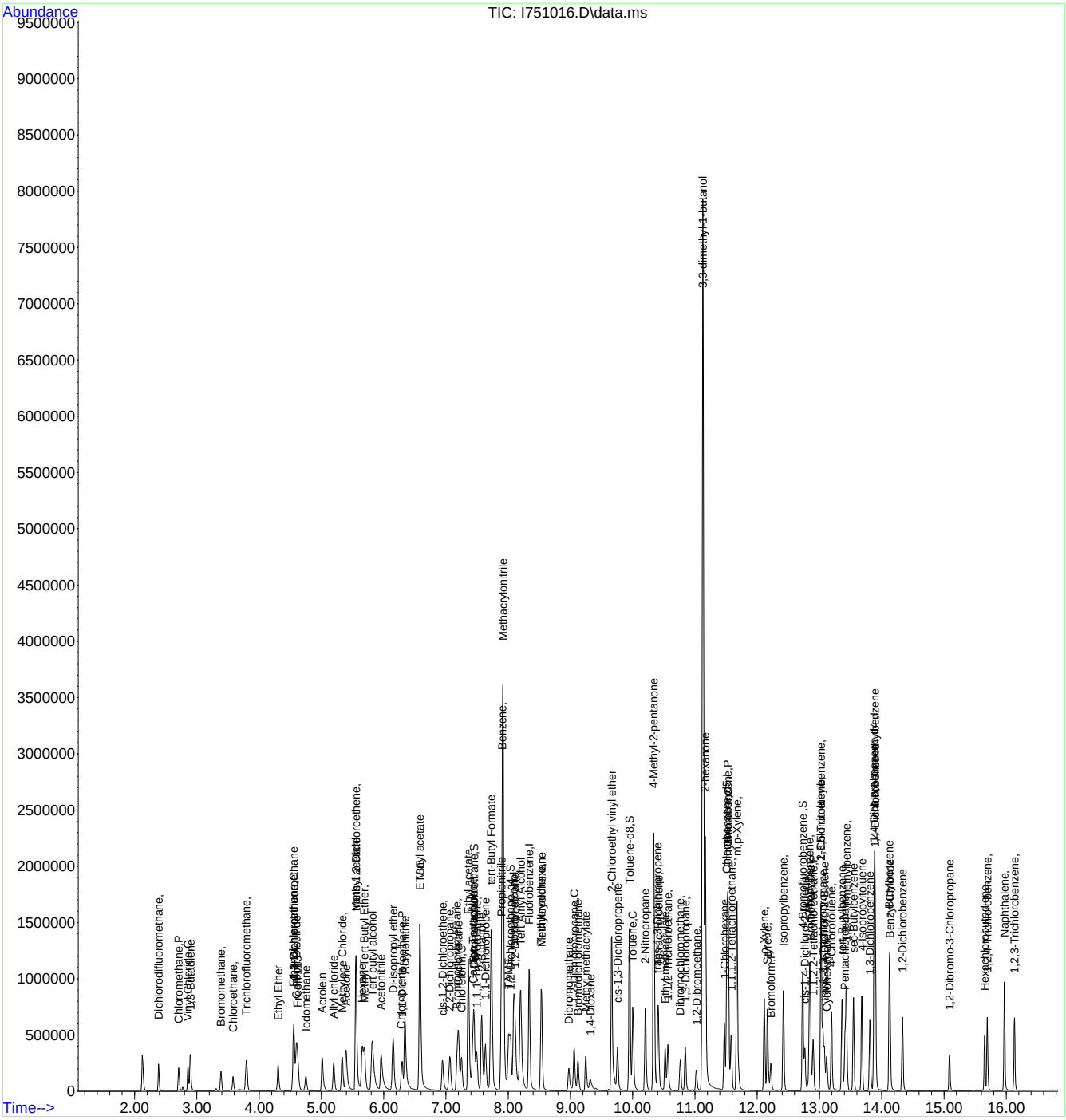
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.090	75	66989	38.98	ug/L	97
109) Hexachlorobutadiene	15.651	225	74129	36.83	ug/L	97
110) 1,2,4-Trichlorobenzene	15.694	180	164134	37.93	ug/L	99
111) Naphthalene	15.968	128	566616	38.83	ug/L	100
112) 1,2,3-Trichlorobenzene	16.133	180	164057	37.72	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751016.D
Acq On : 31 Aug 2022 1:40 pm
Operator : KarenW
Sample : CC2679-5
Misc : MS52297,VI2680,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 08:14:26 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751042.D
Acq On : 1 Sep 2022 12:36 am
Operator : KarenW
Sample : ECC2679-5
Misc : MS52303,VI2680,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 01 08:15:19 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.342	96	888098	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.512	117	640897	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.877	152	328849	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.458	113	245331	49.99	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.98%			
49) 1,2-Dichloroethane-d4	8.037	65	268955	48.33	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.66%			
63) Toluene-d8	9.951	98	887325	50.77	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.54%			
86) 4-Bromofluorobenzene	12.731	174	268141	49.08	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.391	85	166860	42.17	ug/L	100
3) Chloromethane	2.715	50	190254	36.64	ug/L	100
4) Vinyl Chloride	2.861	62	178875	38.12	ug/L	97
5) 1,3-Butadiene	2.897	39	161045	48.35	ug/L	96
6) Bromomethane	3.391	94	56672	22.33	ug/L	98
7) Chloroethane	3.586	64	83933	36.87	ug/L	95
8) Trichlorofluoromethane	3.800	101	228665	42.28	ug/L	99
9) Ethyl Ether	4.312	59	129775	39.04	ug/L	99
10) 1,2-Dichlorotrifluoroe...	4.556	67	147327	38.05	ug/L	100
11) 1,1-Dichloroethene	4.562	61	216557	38.96	ug/L	99
12) Ethanol	4.556	45	149390	813.67	ug/L	97
13) Freon 113	4.623	101	131472	42.45	ug/L	97
14) Carbon Disulfide	4.604	76	366759	37.96	ug/L	100
15) Iodomethane	4.751	142	137627	34.51	ug/L	98
16) Acrolein	5.019	56	257069	181.39	ug/L	99
17) Allyl chloride	5.202	41	165169	33.86	ug/L	96
18) Methylene Chloride	5.336	49	213331	34.86	ug/L	98
19) Acetone	5.397	43	590064	209.08	ug/L	99
20) Methyl acetate	5.556	43	1188473	218.71	ug/L	99
21) trans-1,2-Dichloroethene	5.556	61	200857	39.21	ug/L	98
22) Hexane	5.659	56	105039	43.25	ug/L	93
23) Methyl Tert Butyl Ether	5.696	73	381052	40.68	ug/L	94
24) Tert butyl alcohol	5.818	59	809666	431.37	ug/L	100
25) Acetonitrile	5.958	41	466039	401.60	ug/L	99
26) Di-isopropyl ether	6.153	45	473361	40.74	ug/L	99
27) Chloroprene	6.287	53	37570	36.09	ug/L	93
28) 1,1-Dichloroethane	6.299	63	255108	39.73	ug/L	98
29) Acrylonitrile	6.342	53	588950	211.15	ug/L	99
30) ETBE	6.586	59	473083	40.30	ug/L	100
31) Vinyl acetate	6.580	43	1699714	199.47	ug/L	99
32) cis-1,2-Dichloroethene	6.945	96	131880	39.50	ug/L	97
33) 2,2-Dichloropropane	7.067	77	155892	29.47	ug/L	100
34) Bromochloromethane	7.177	128	62504	42.25	ug/L	93
35) Cyclohexane	7.202	56	264098	43.79	ug/L	97
36) Chloroform	7.250	83	246656	40.47	ug/L	97
37) Ethyl acetate	7.360	43	1515409	203.37	ug/L	100
38) Tetrahydrofuran	7.445	42	138726	40.92	ug/L	100
40) Carbon Tetrachloride	7.433	117	181702	39.04	ug/L	99
41) 1,1,1-Trichloroethane	7.500	97	211553	39.22	ug/L	99
42) 2-Butanone	7.573	43	954075	203.72	ug/L	99
43) 1,1-Dichloropropene	7.634	75	177431	39.10	ug/L	99
44) tert-Butyl Formate	7.732	59	723844	194.14	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751042.D
Acq On : 1 Sep 2022 12:36 am
Operator : KarenW
Sample : ECC2679-5
Misc : MS52303,VI2680,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 01 08:15:19 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	7.890	54	590117	413.16	ug/L		99
46)	Methacrylonitrile	7.915	41	1614450	387.06	ug/L		99
47)	Benzene	7.903	78	510059	39.46	ug/L		97
48)	TAME	8.012	73	381818	40.21	ug/L		99
50)	Isobutyl alcohol	8.092	42	361622	847.45	ug/L		98
51)	1,2-Dichloroethane	8.116	62	202135	40.51	ug/L		97
52)	Tert Amyl Alcohol	8.201	59	699032	422.98	ug/L		99
53)	Trichloroethene	8.531	95	137776	39.03	ug/L		96
54)	Methylcyclohexane	8.537	83	198472	42.77	ug/L		98
55)	Dibromomethane	8.976	93	88886	40.59	ug/L		98
56)	1,2-Dichloropropane	9.061	63	146500	39.66	ug/L		98
57)	Bromodichloromethane	9.122	83	173297	39.09	ug/L		99
58)	Methyl methacrylate	9.244	41	182388	39.46	ug/L		96
59)	1,4-Dioxane	9.317	88	103846	836.98	ug/L		96
60)	2-Chloroethyl vinyl ether	9.664	63	584879	194.22	ug/L		99
61)	cis-1,3-Dichloropropene	9.756	75	195483	38.48	ug/L		99
64)	Toluene	10.006	91	530625	39.10	ug/L		99
65)	2-Nitropropane	10.207	41	398270	206.79	ug/L		96
66)	4-Methyl-2-pentanone	10.341	43	1581859	215.25	ug/L		99
67)	trans-1,3-Dichloropropene	10.402	75	168022	39.90	ug/L		99
68)	Tetrachloroethene	10.414	166	158880	41.46	ug/L		99
69)	Ethyl methacrylate	10.524	69	192633	40.92	ug/L		99
70)	1,1,2-Trichloroethane	10.567	83	109759	41.77	ug/L		98
71)	Dibromochloromethane	10.762	129	139183	40.32	ug/L		98
72)	1,3-Dichloropropane	10.847	76	213883	40.68	ug/L		99
73)	1,2-Dibromoethane	11.018	107	139148	42.12	ug/L		100
74)	3,3-dimethyl-1-butanol	11.128	57	3738667	2222.27	ug/L		100
75)	2-hexanone	11.164	43	1351469	203.34	ug/L		98
76)	1-Chlorohexane	11.475	91	165068	38.69	ug/L		98
77)	Ethylbenzene	11.536	91	586948	38.35	ug/L		98
78)	Chlorobenzene	11.530	112	336728	38.98	ug/L		99
79)	1,1,1,2-Tetrachloroethane	11.585	131	128327	39.75	ug/L		96
80)	m,p-Xylene	11.676	91	903794	78.94	ug/L		99
81)	o-Xylene	12.115	91	451556	39.72	ug/L		99
82)	Styrene	12.164	104	340220	41.41	ug/L		98
83)	Bromoform	12.219	173	102862	40.75	ug/L		98
84)	Isopropylbenzene	12.420	105	552345	39.53	ug/L		99
87)	cis-1,4-Dichloro-2-butene	12.768	53	54499	24.82	ug/L		97
88)	n-Propylbenzene	12.841	91	659217	38.61	ug/L		99
89)	Bromobenzene	12.853	156	144995	38.75	ug/L		97
90)	1,1,2,2-Tetrachloroethane	12.896	83	224066	40.40	ug/L		99
91)	1,3,5-Trimethylbenzene	13.024	105	462053	38.84	ug/L		100
92)	2-Chlorotoluene	13.024	91	447127	39.67	ug/L		96
93)	trans-1,4-Dichloro-2-B...	13.078	53	58475	27.77	ug/L		90
94)	1,2,3-Trichloropropane	13.054	110	71520	40.15	ug/L		93
95)	Cyclohexanone	13.115	55	126361	225.11	ug/L		99
96)	4-Chlorotoluene	13.194	91	388286	38.04	ug/L		99
97)	tert-Butylbenzene	13.365	91	259709	38.35	ug/L		99
98)	1,2,4-Trimethylbenzene	13.432	105	452529	39.49	ug/L		99
99)	Pentachloroethane	13.408	167	74102	33.37	ug/L		99
100)	sec-Butylbenzene	13.548	105	536110	38.11	ug/L		99
101)	4-Isopropyltoluene	13.682	119	457367	39.13	ug/L		99
102)	1,3-Dichlorobenzene	13.810	146	252406	39.33	ug/L		99
103)	1,2,3-Trimethylbenzene	13.889	105	458304	38.52	ug/L		97
104)	1,4-Dichlorobenzene	13.895	146	264832	37.85	ug/L		100
105)	n-Butylbenzene	14.121	92	250745	37.73	ug/L		95
106)	Benzyl Chloride	14.133	126	50418	29.33	ug/L	#	72
107)	1,2-Dichlorobenzene	14.334	146	246412	38.77	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751042.D
Acq On : 1 Sep 2022 12:36 am
Operator : KarenW
Sample : ECC2679-5
Misc : MS52303,VI2680,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 01 08:15:19 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration

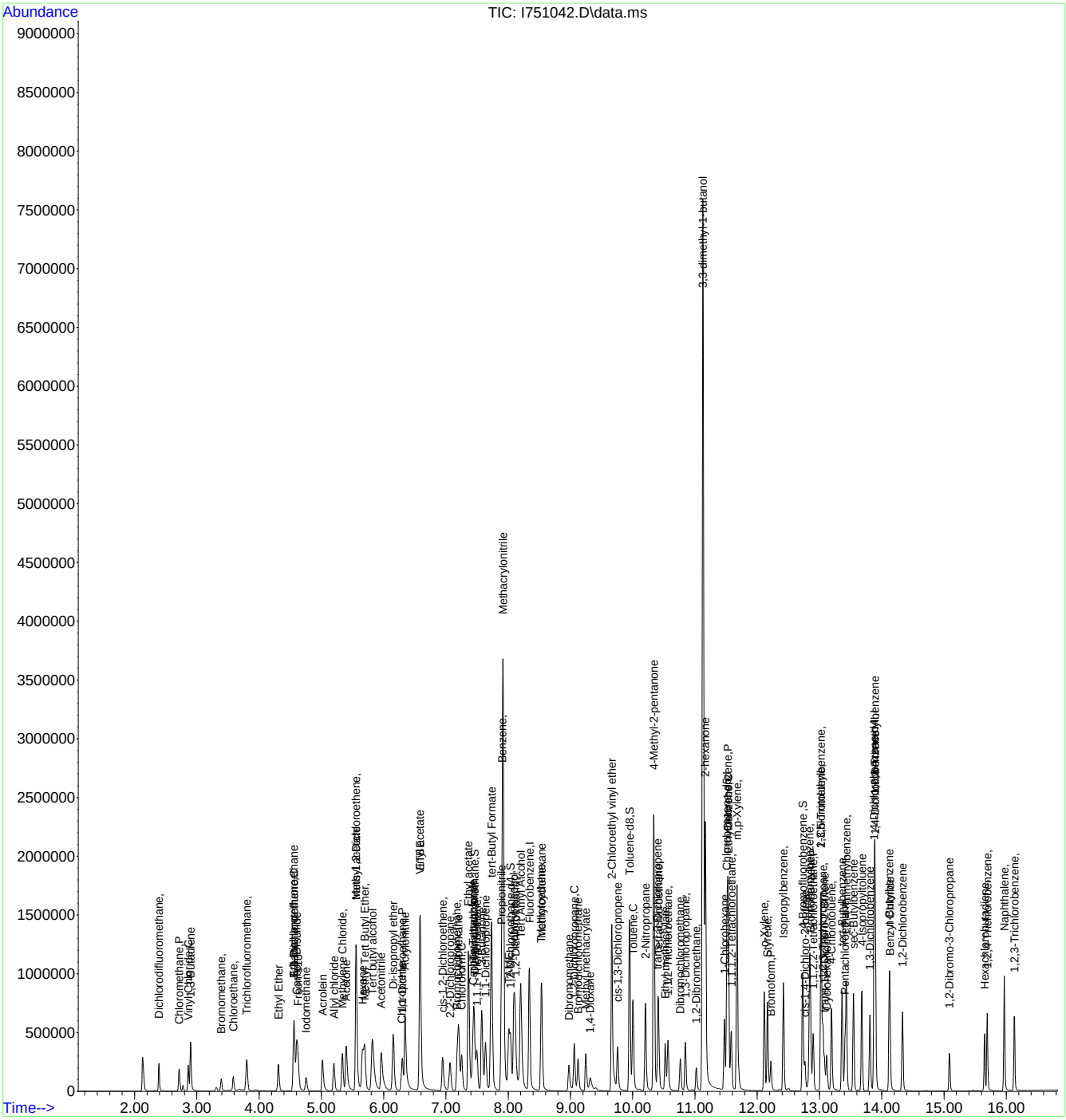
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	15.084	75	66399	40.05	ug/L	91
109) Hexachlorobutadiene	15.651	225	73294	37.75	ug/L	96
110) 1,2,4-Trichlorobenzene	15.694	180	163748	39.22	ug/L	98
111) Naphthalene	15.968	128	587495	41.73	ug/L	100
112) 1,2,3-Trichlorobenzene	16.133	180	165132	39.36	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2022-08-31\
Data File : I751042.D
Acq On : 1 Sep 2022 12:36 am
Operator : KarenW
Sample : ECC2679-5
Misc : MS52303,VI2680,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 01 08:15:19 2022
Quant Method : C:\msdchem\1\methods\2022-08-30APP9-I.m
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 14:28:13 2022
Response via : Initial Calibration



FA98456

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:27:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1689030	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1301419	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	661423	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	459652	48.48	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.96%			
50) 1,2-Dichloroethane-d4	8.549	65	491735	50.41	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.82%			
63) Toluene-d8	10.427	98	1648656	55.01	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 110.02%			
86) 4-Bromofluorobenzene	13.207	174	534393	51.84	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.68%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	10455	1.32	ug/L	82
3) Chloromethane	3.196	50	9234	1.13	ug/L	97
4) 1,3-butadiene	3.379	39	8326	1.12	ug/L	81
5) Vinyl Chloride	3.343	62	9880	1.12	ug/L	95
6) Bromomethane	3.897	94	5247	1.53	ug/L	88
7) Chloroethane	4.111	64	5271	0.83	ug/L	93
8) Trichlorofluoromethane	4.336	101	14680	1.17	ug/L	99
9) Ethyl Ether	4.800	59	6510	1.02	ug/L	93
11) 1,2-Dichlorotrifluoroe...	5.074	67	8865	1.07	ug/L	93
12) 1,1-Dichloroethene	5.086	61	12002	1.04	ug/L	91
13) Freon 113	5.147	101	9809	1.26	ug/L	95
14) Carbon Disulfide	5.123	76	25337	1.33	ug/L	100
15) Iodomethane	5.281	142	1857	0.57	ug/L	77
16) Acrolein	5.562	56	5661	4.19	ug/L	92
17) Allyl chloride	5.732	41	7602	0.86	ug/L	93
18) Methylene Chloride	5.866	49	40785	3.55	ug/L	96
19) Acetone	5.940	43	13111	5.18	ug/L	91
20) Methyl acetate	6.086	43	27118	4.32	ug/L	95
21) trans-1,2-Dichloroethene	6.080	61	11934	1.05	ug/L	95
22) Hexane	6.165	56	5856m	1.32	ug/L	
23) Methyl Tert Butyl Ether	6.202	73	19330	0.93	ug/L	82
24) Tert Butyl Alcohol	6.299	59	7590	9.76	ug/L	95
25) Acetonitrile	6.531	41	9544m	10.46	ug/L	
26) Di-isopropyl ether	6.653	45	22750	1.00	ug/L	97
27) Chloroprene	6.811	53	1326	0.12	ug/L #	63
28) 1,1-Dichloroethane	6.836	63	14359	1.00	ug/L	93
29) Acrylonitrile	6.903	52	12000	4.94	ug/L	87
30) ETBE	7.086	59	21267	0.94	ug/L	94
31) Vinyl acetate	7.116	43	67719	4.24	ug/L	94
32) cis-1,2-Dichloroethene	7.470	96	9992	1.20	ug/L #	77
33) 2,2-Dichloropropane	7.592	77	11404	1.08	ug/L	97
34) Bromochloromethane	7.701	128	5364	1.15	ug/L	96
35) Cyclohexane	7.708	56	13063	1.08	ug/L	88
36) Chloroform	7.762	83	15912	1.09	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:27:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Ethyl acetate	7.878	43	35664	4.67	ug/L		98
38) Tetrahydrofuran	7.964	42	3332	1.36	ug/L		90
40) Carbon Tetrachloride	7.933	117	11838	1.04	ug/L		97
41) 1,1,1-Trichloroethane	8.006	97	13547	1.04	ug/L		98
42) 2-Butanone	8.110	43	15639	4.01	ug/L		99
43) 1,1-Dichloropropene	8.140	75	11750	1.08	ug/L		93
44) tert-Butyl formate	8.244	59	19450	4.70	ug/L		89
45) Propionitrile	8.433	54	9758	7.39	ug/L	#	76
46) Methacrylonitrile	8.451	41	50424	8.48	ug/L		90
47) Benzene	8.409	78	34206	1.09	ug/L		98
48) TAME	8.500	73	18794	0.88	ug/L		90
49) Isobutyl alcohol	8.573	43	4213	15.11	ug/L		81
51) 1,2-Dichloroethane	8.628	62	13351	1.11	ug/L		100
52) Tert Amyl Alcohol	8.677	59	4483	8.16	ug/L		89
53) Trichloroethene	9.018	95	10206	1.15	ug/L		93
54) Methylcyclohexane	9.012	83	11704	1.18	ug/L		95
55) Dibromomethane	9.463	93	5754	1.04	ug/L		87
56) 1,2-Dichloropropane	9.555	63	7677	0.98	ug/L		94
57) Bromodichloromethane	9.610	83	9748	1.00	ug/L		96
58) Methyl methacrylate	9.738	41	4689m	0.76	ug/L		
59) 1,4-Dioxane	9.829	88	1593	21.75	ug/L		62
60) 2-Chloroethyl vinyl ether	10.152	63	16173	3.31	ug/L		95
61) cis-1,3-Dichloropropene	10.244	75	10229	0.95	ug/L		100
64) Toluene	10.481	91	36309	1.25	ug/L		99
65) 2-Nitropropane	10.713	41	8454	5.23	ug/L	#	81
66) 4-Methyl-2-pentanone	10.835	43	33243	4.91	ug/L		97
67) trans-1,3-Dichloropropene	10.890	75	8293	0.94	ug/L		83
68) Tetrachloroethene	10.884	166	10824	1.27	ug/L		91
69) Ethyl methacrylate	11.006	69	5842	0.76	ug/L		91
70) 1,1,2-Trichloroethane	11.055	83	6257	1.20	ug/L		90
71) Dibromochloromethane	11.243	129	7647	1.09	ug/L		97
72) 1,3-Dichloropropane	11.335	76	13741	1.28	ug/L		97
73) 1,2-Dibromoethane	11.512	107	8019	1.19	ug/L		93
74) 3,3-dimethyl-1-butanol	11.603	57	18455	35.98	ug/L		95
75) 2-hexanone	11.664	43	20062	4.19	ug/L		92
76) 1-Chlorohexane	11.945	91	8547m	1.15	ug/L		
77) Ethylbenzene	12.012	91	41805	1.28	ug/L		94
78) Chlorobenzene	12.012	112	24954	1.28	ug/L		93
79) 1,1,1,2-Tetrachloroethane	12.060	131	7367	1.10	ug/L		86
80) m,p-Xylene	12.152	91	58342	2.38	ug/L		97
81) o-Xylene	12.591	91	28466	1.23	ug/L		95
82) Styrene	12.652	104	16782	0.99	ug/L		94
83) Bromoform	12.701	173	4034	1.03	ug/L		95
84) Isopropylbenzene	12.896	105	32954	1.15	ug/L		96
87) cis-1,4-Dichloro-2-butene	13.261	53	1861	0.87	ug/L	#	70
88) n-Propylbenzene	13.316	91	40265	1.33	ug/L		99
89) Bromobenzene	13.335	156	10885	1.39	ug/L		98
90) 1,1,2,2-Tetrachloroethane	13.377	83	9707	1.20	ug/L		94
91) 1,3,5-Trimethylbenzene	13.493	105	26129	1.21	ug/L		90
92) 2-Chlorotoluene	13.676	91	24584	1.28	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:27:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

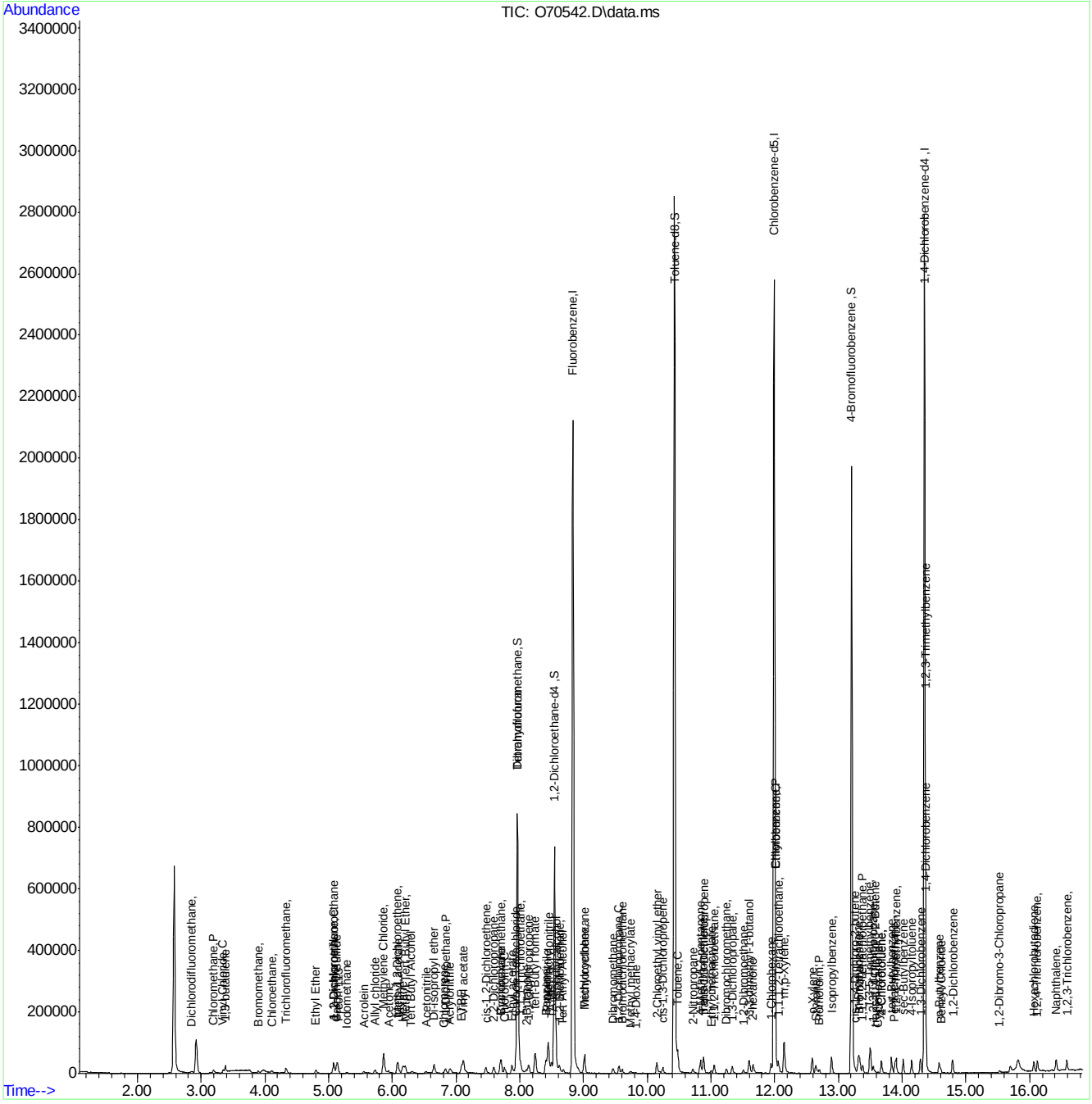
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) trans-1,4-Dichloro-2-B...	13.572	53	1694	0.84	ug/L	#	74
94) 1,2,3-Trichloropropane	13.548	110	2938	1.10	ug/L		93
95) Cyclohexanone	13.621	55	1374m	7.31	ug/L		
96) 4-Chlorotoluene	13.676	91	24584	1.28	ug/L		96
97) tert-Butylbenzene	13.834	91	15656	1.35	ug/L		95
99) 1,2,4-Trimethylbenzene	13.908	105	25715	1.23	ug/L		91
100) Pentachloroethane	13.883	167	3581	0.93	ug/L	#	84
101) sec-Butylbenzene	14.017	105	29181	1.27	ug/L		98
102) 4-Isopropyltoluene	14.151	119	24315	1.20	ug/L		98
103) 1,3-Dichlorobenzene	14.292	146	18830	1.39	ug/L		95
104) 1,2,3-Trimethylbenzene	14.365	105	29843	1.35	ug/L	#	82
105) 1,4-Dichlorobenzene	14.371	146	22935	1.58	ug/L		85
106) n-Butylbenzene	14.578	92	12143	1.23	ug/L		94
107) Benzyl Chloride	14.609	126	1942	0.83	ug/L	#	75
108) 1,2-Dichlorobenzene	14.798	146	17078	1.31	ug/L		97
109) 1,2-Dibromo-3-Chloropr...	15.529	75	1433	1.15	ug/L	#	72
110) Hexachlorobutadiene	16.066	225	4561	1.65	ug/L		87
111) 1,2,4-Trichlorobenzene	16.121	180	10421	1.36	ug/L		89
112) Naphthalene	16.419	128	30119	1.54	ug/L		99
113) 1,2,3-Trichlorobenzene	16.590	180	10470	1.38	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:27:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

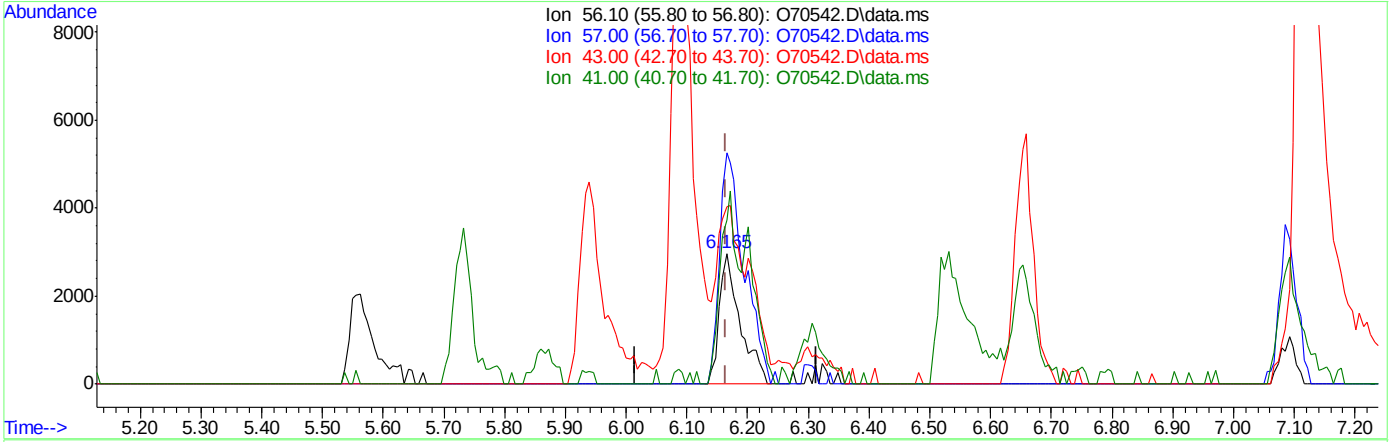
Sample Number: VO2796-IC2796
Lab FileID: O70542.D
Injection Time: 08/23/22 12:41
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

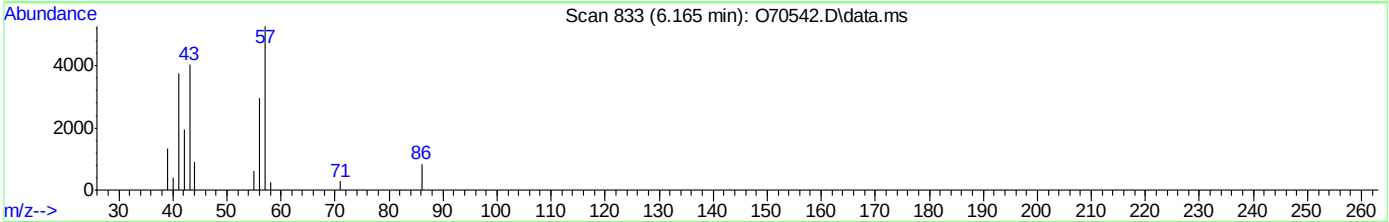
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.53	Poor instrument integration
Methyl Methacrylate	80-62-6		9.74	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration
Cyclohexanone	108-94-1		13.62	Poor instrument integration

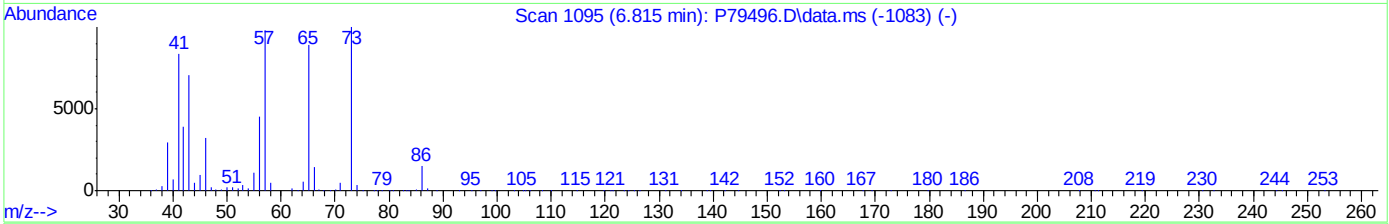
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(22) Hexane

6.165min (+0.000) 1.60ug/L

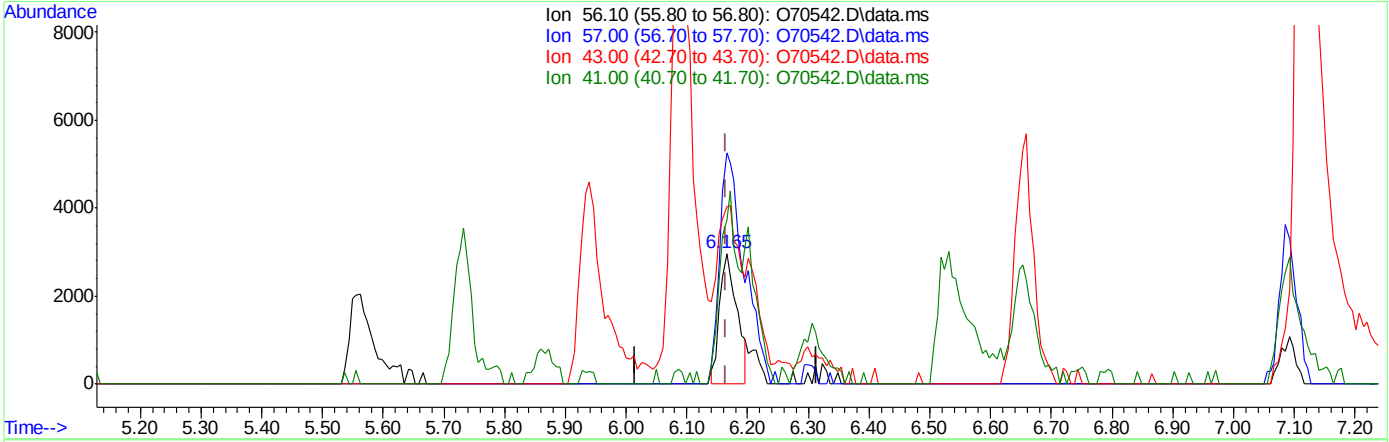
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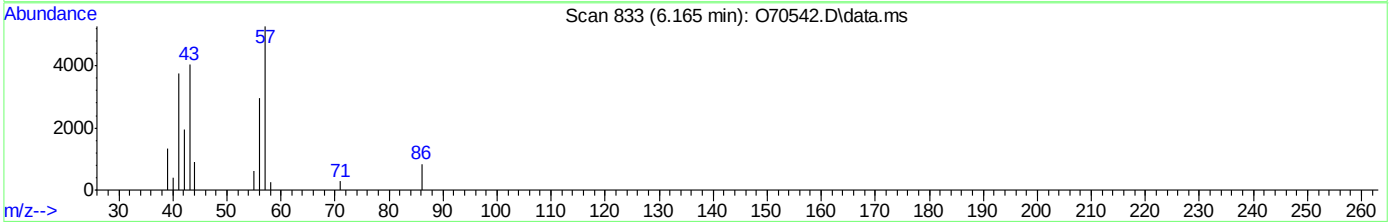
Ion	Exp%	Act%
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57.00	199.60	177.04#
43.00	139.80	121.21
41.00	146.00	125.71#

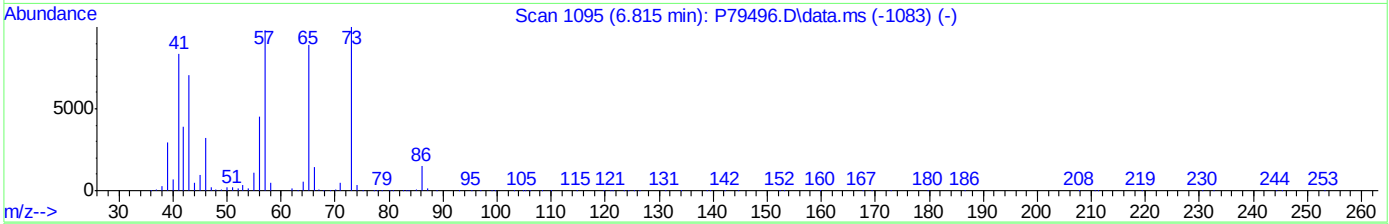
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(22) Hexane

6.165min (+0.000) 1.32ug/L m

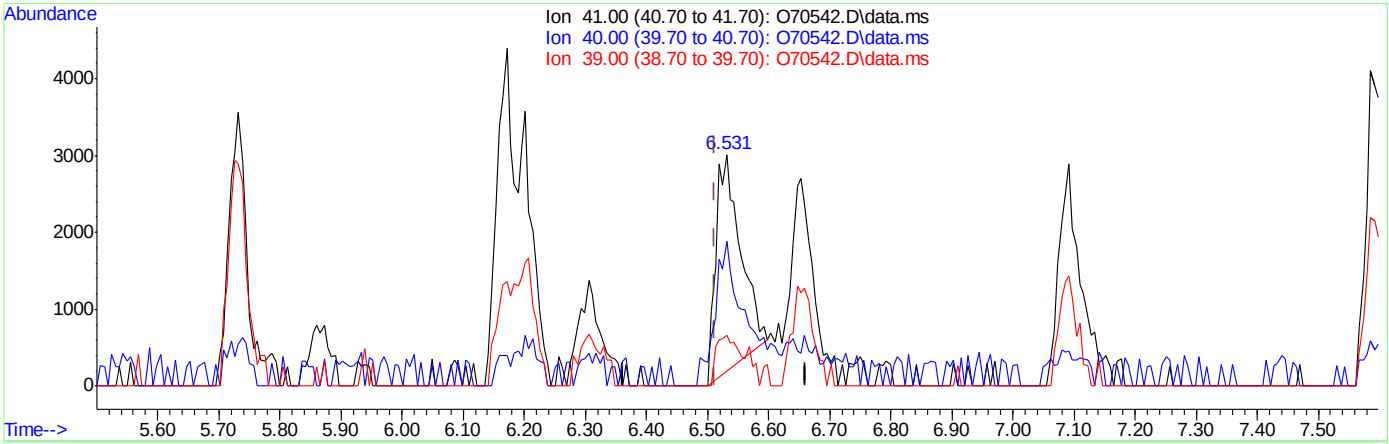
response 5856

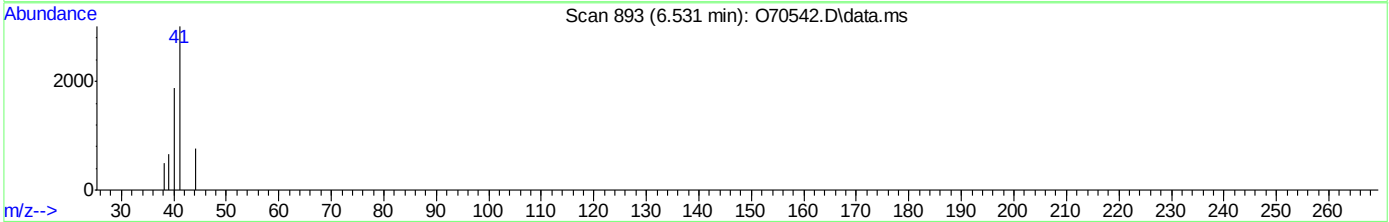
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	177.04#
43.00	139.80	135.70
41.00	146.00	125.71#

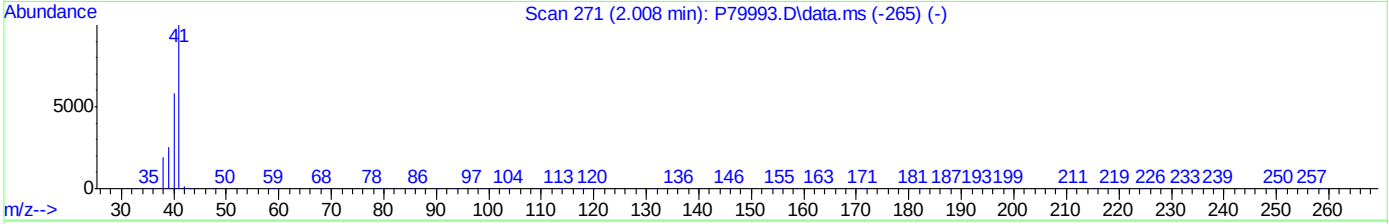
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(25) Acetonitrile

6.531min (+0.019) 8.77ug/L

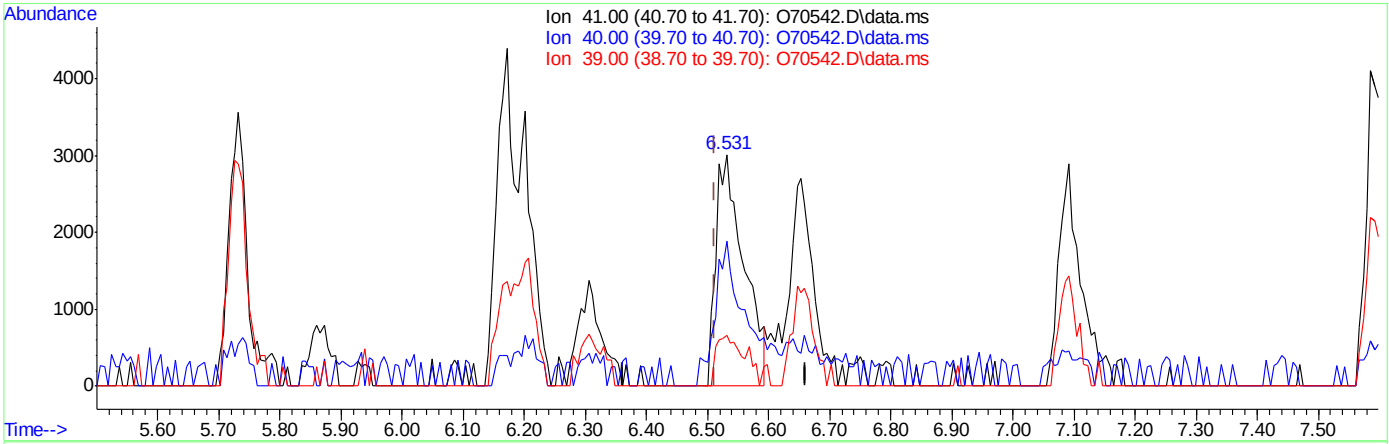
response 8007

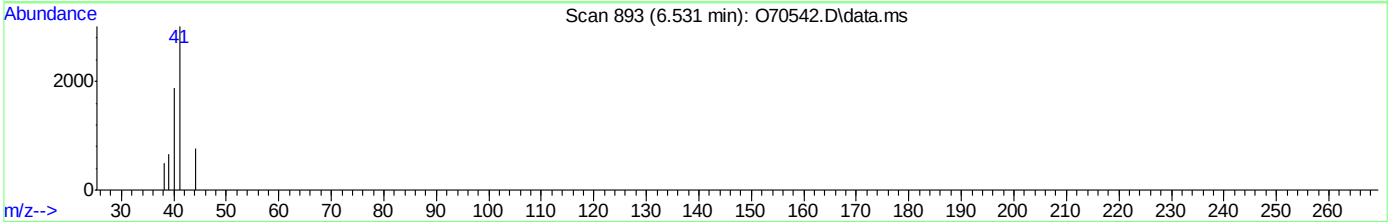
Ion	Exp%	Act%
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40.00	51.60	52.17
39.00	19.60	21.77
0.00	0.00	0.00

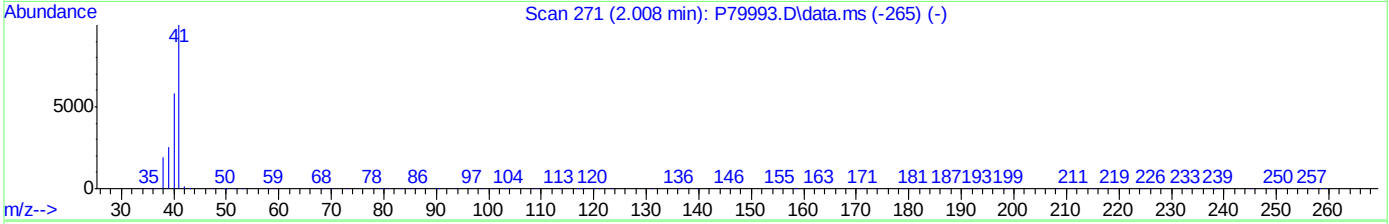
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(25) Acetonitrile

6.531min (+0.019) 10.46ug/L m

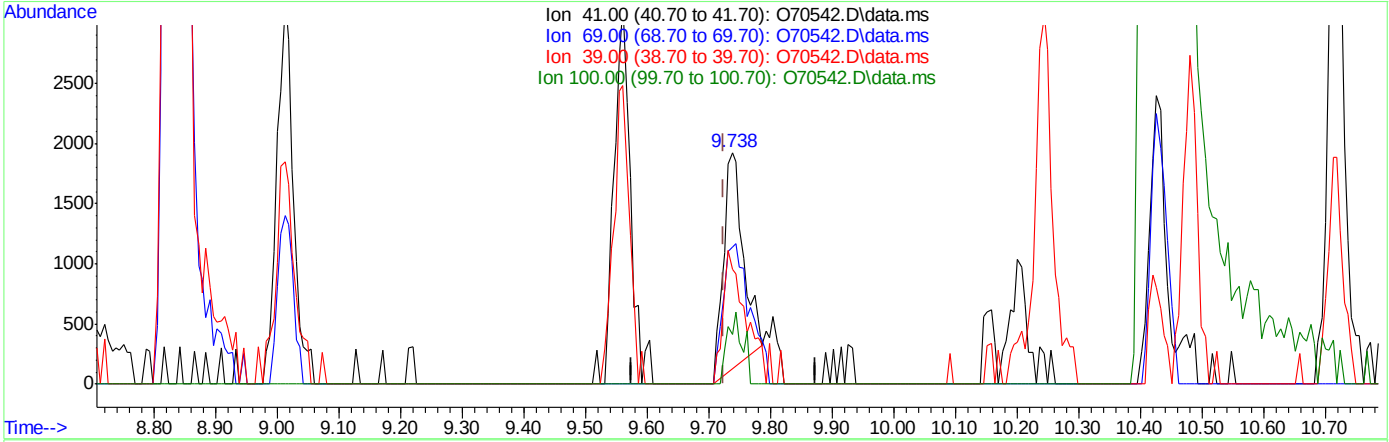
response 9544

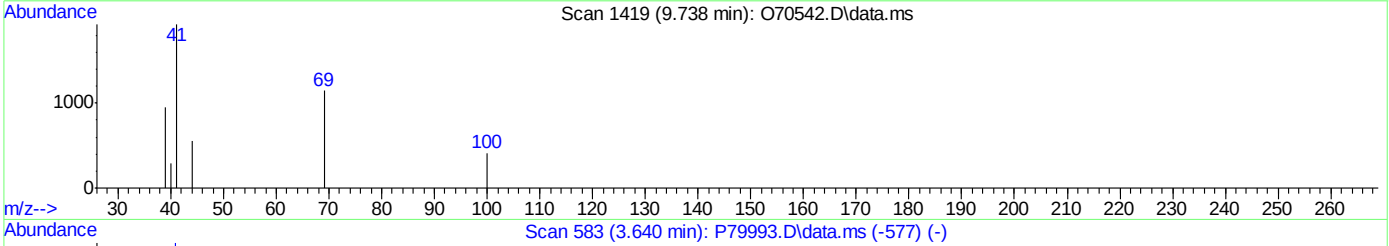
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	62.60
39.00	19.60	21.77
0.00	0.00	0.00

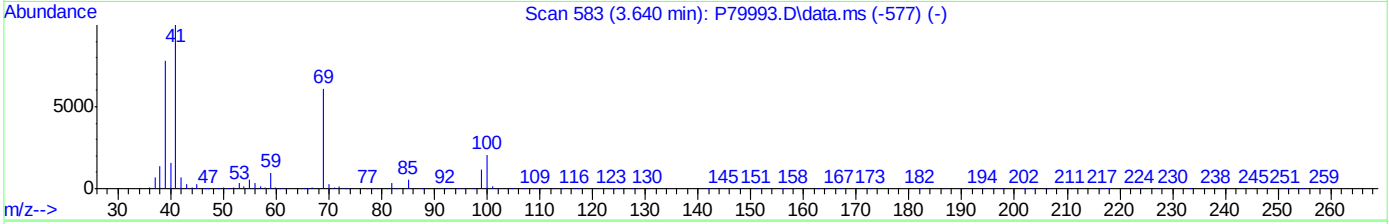
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(58) Methyl methacrylate

9.738min (+0.013) 0.66ug/L

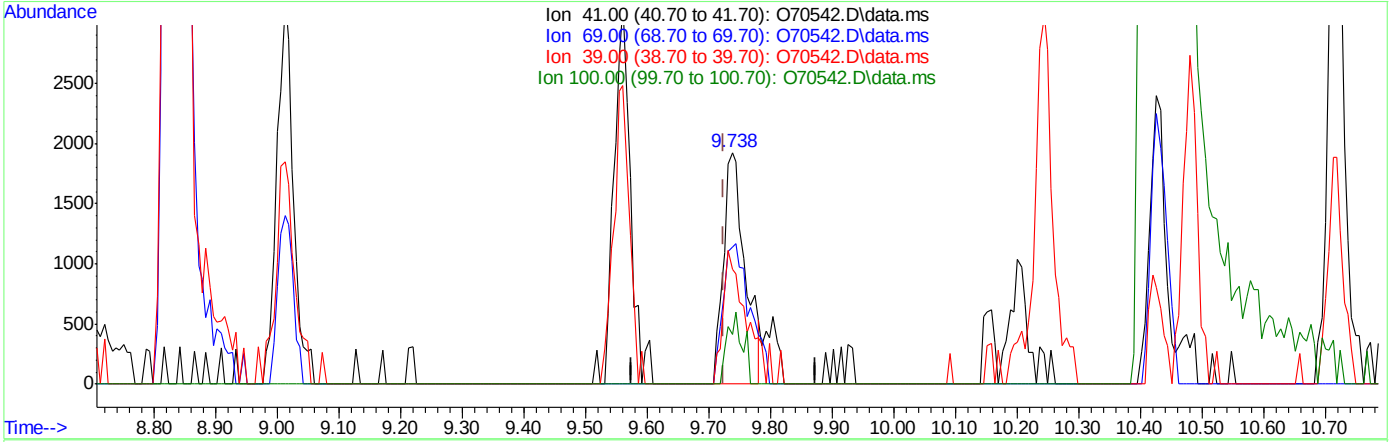
response 4051

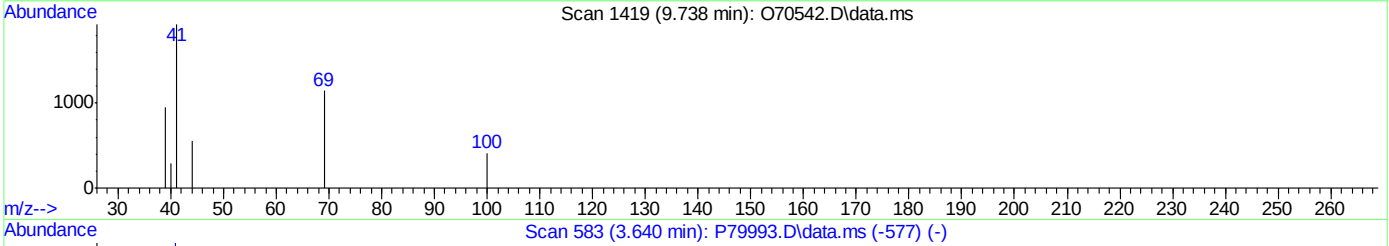
Ion	Exp%	Act%
41.00	100	100
69.00	78.10	59.38
39.00	58.80	49.30
100.00	31.20	21.56

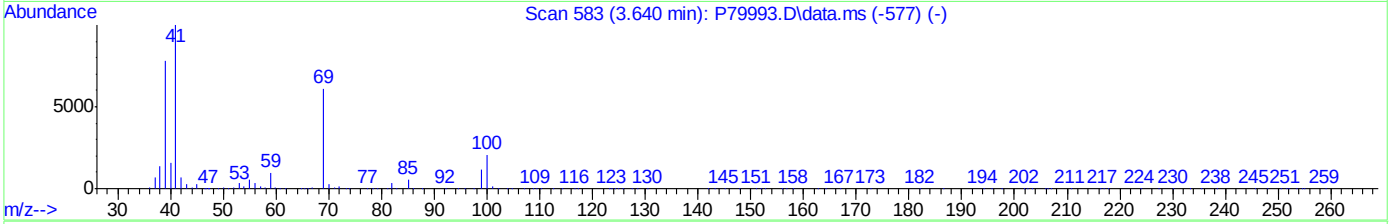
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(58) Methyl methacrylate

9.738min (+0.013) 0.76ug/L m

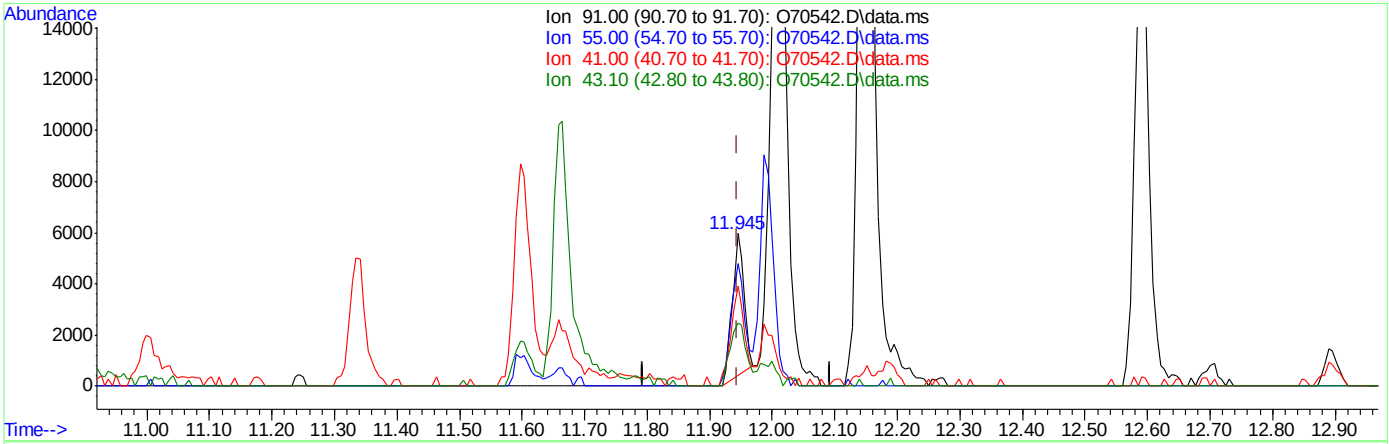
response 4689

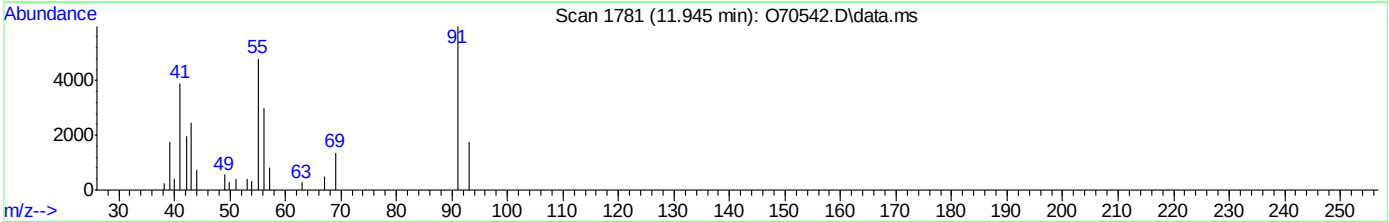
Ion	Exp%	Act%
41.00	100	100
69.00	78.10	59.38
39.00	58.80	49.30
100.00	31.20	21.56

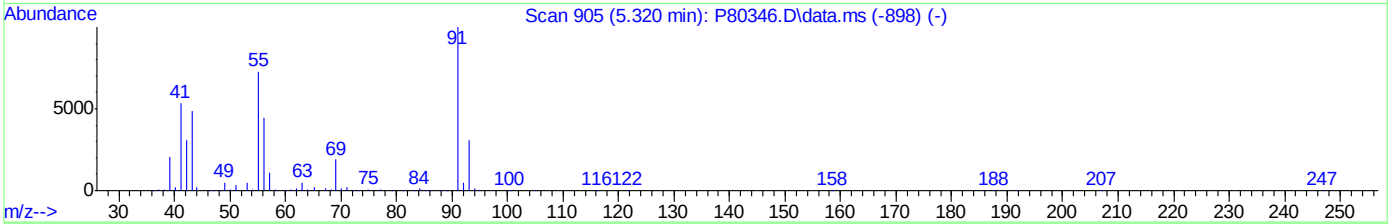
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(76) 1-Chlorohexane

11.945min (+0.001) 0.99ug/L

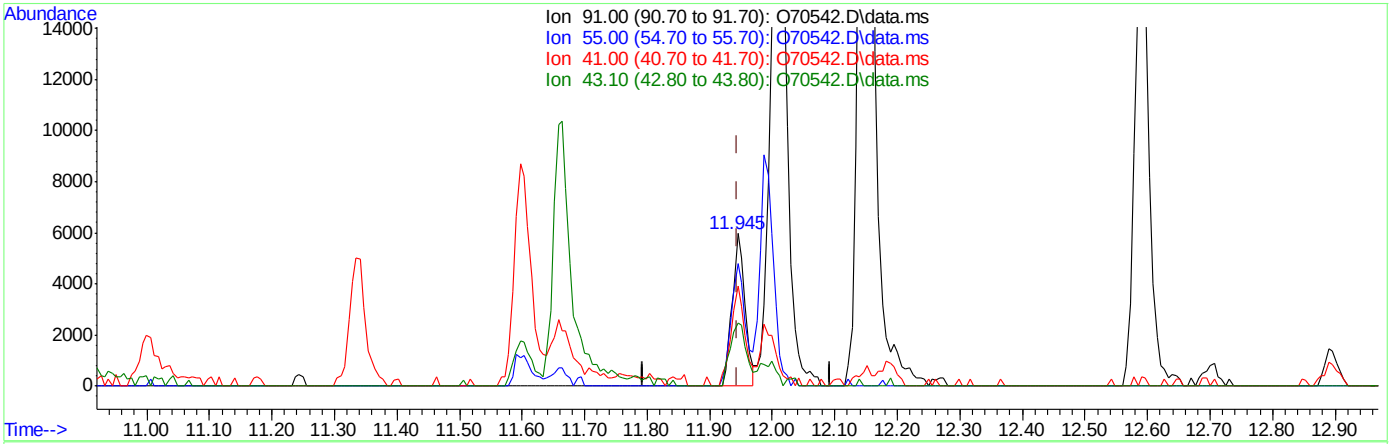
response 7363

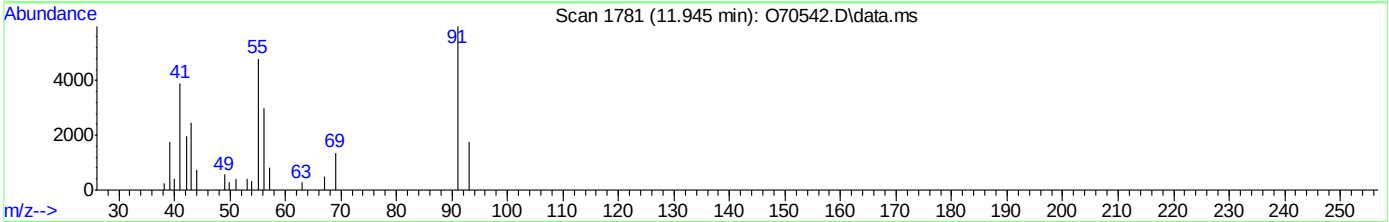
Ion	Exp%	Act%
91.00	100	100
55.00	71.00	74.72
41.00	56.50	57.28
43.10	44.30	41.32

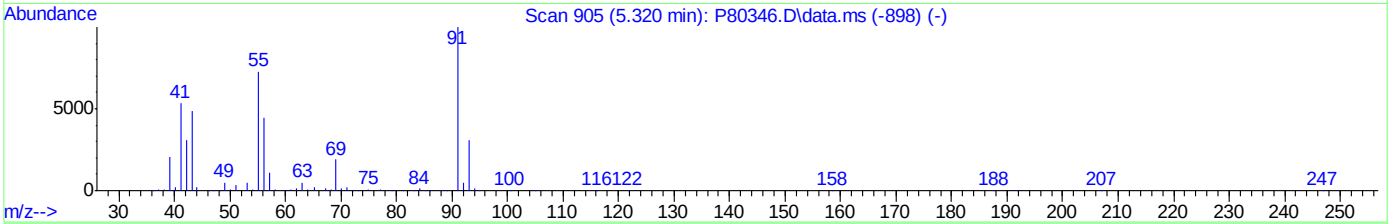
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:21:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70542.D\data.ms

(76) 1-Chlorohexane

11.945min (+0.001) 1.15ug/L m

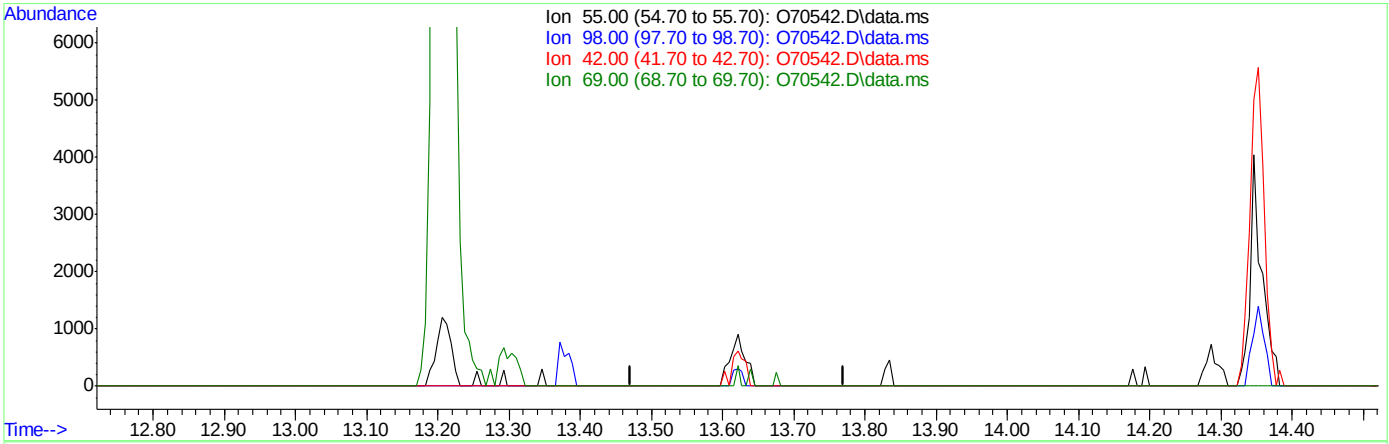
response 8547

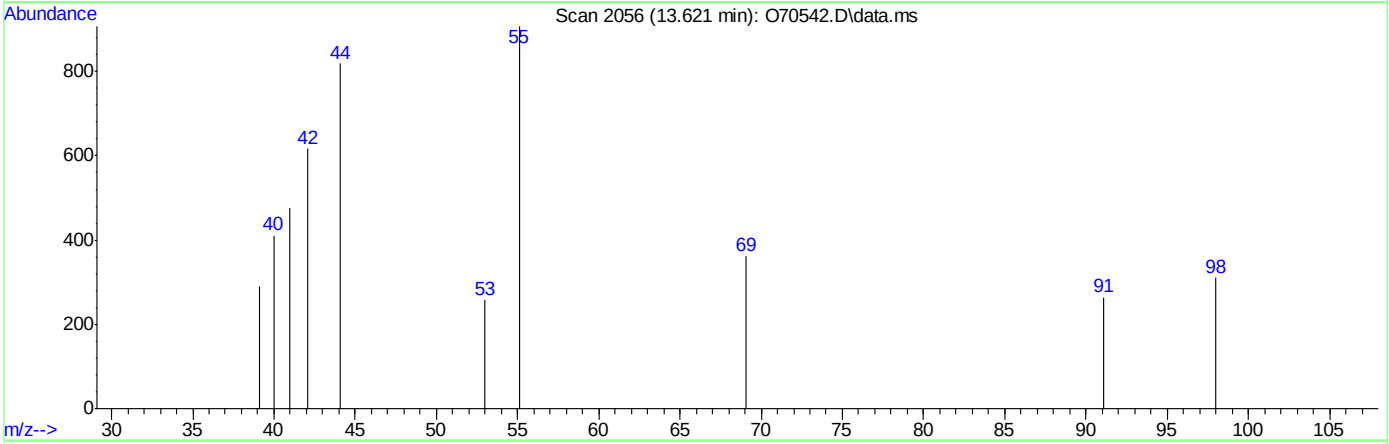
Ion	Exp%	Act%
91.00	100	100
55.00	71.00	80.33
41.00	56.50	65.32
43.10	44.30	41.32

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:25:50 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70542.D\data.ms

(95) Cyclohexanone

13.621min (-13.621) 0.00ug/L

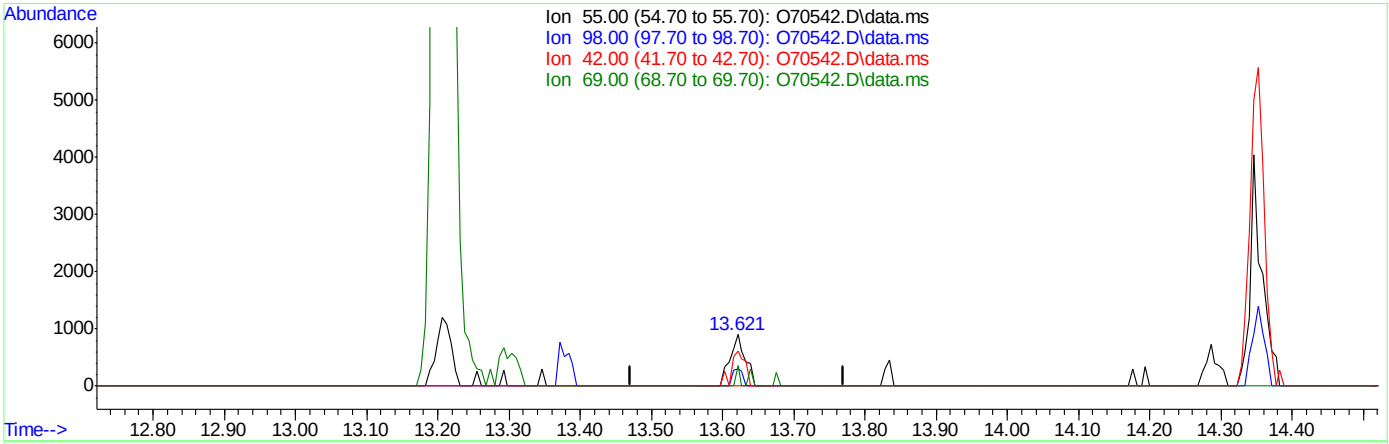
response 0

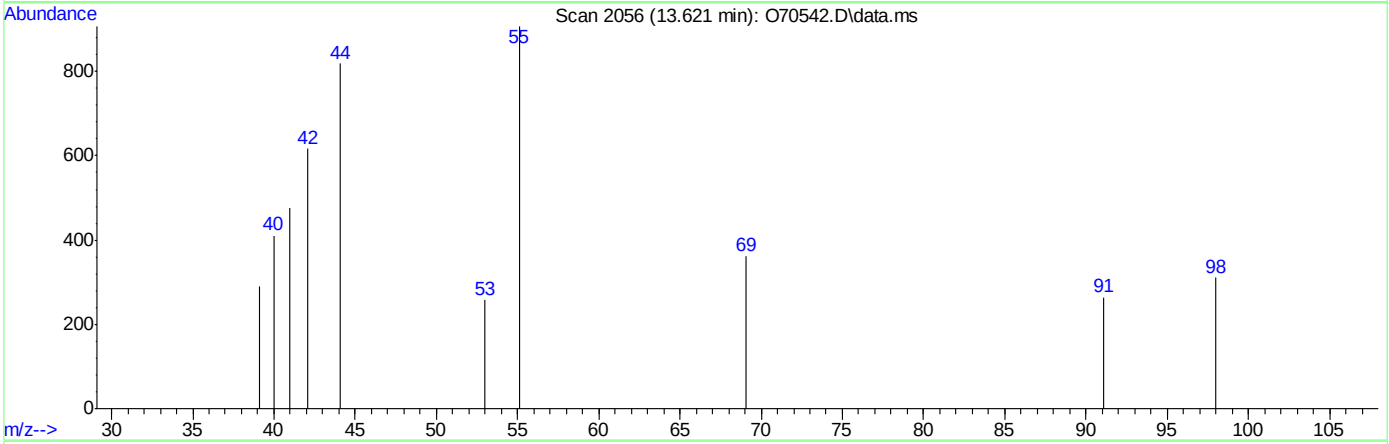
Ion	Exp%	Act%
55.00	100	0.00
98.00	42.80	0.00#
42.00	71.10	0.00#
69.00	31.80	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70542.D
Acq On : 23 Aug 2022 12:41 pm
Operator : joannel
Sample : IC2796-1 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 13:25:50 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70542.D\data.ms

(95) Cyclohexanone

13.621min (+0.000) 7.31ug/L m

response 1374

Ion	Exp%	Act%
55.00	100	100
98.00	42.80	34.29
42.00	71.10	67.92
69.00	31.80	39.91

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:11:23 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1711744	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1320799	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	676861	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	476179	49.56	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.12%			
50) 1,2-Dichloroethane-d4	8.549	65	508579	51.45	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.90%			
63) Toluene-d8	10.426	98	1677560	55.15	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 110.30%			
86) 4-Bromofluorobenzene	13.206	174	545459	51.71	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.42%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.843	85	41217	5.12	ug/L	98
3) Chloromethane	3.196	50	41641	5.05	ug/L	98
4) 1,3-butadiene	3.379	39	47755	6.33	ug/L	98
5) Vinyl Chloride	3.342	62	46502	5.18	ug/L	99
6) Bromomethane	3.897	94	21056	6.01	ug/L	94
7) Chloroethane	4.105	64	29274	4.64	ug/L	97
8) Trichlorofluoromethane	4.330	101	68964	5.42	ug/L	98
9) Ethyl Ether	4.800	59	24212	3.76	ug/L	98
10) Ethanol	5.025	45	7777m	139.01	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	31500	3.76	ug/L	96
12) 1,1-Dichloroethene	5.080	61	42764	3.65	ug/L	99
13) Freon 113	5.141	101	30558	3.86	ug/L	96
14) Carbon Disulfide	5.129	76	78681	4.06	ug/L	94
15) Iodomethane	5.281	142	9544	2.83	ug/L	92
16) Acrolein	5.549	56	37447	27.32	ug/L	96
17) Allyl chloride	5.726	41	51869	5.77	ug/L	98
18) Methylene Chloride	5.866	49	66604	5.73	ug/L	98
19) Acetone	5.927	43	60790	23.68	ug/L	97
20) Methyl acetate	6.080	43	114846	18.06	ug/L	97
21) trans-1,2-Dichloroethene	6.074	61	43224	3.76	ug/L	98
22) Hexane	6.171	56	16752m	3.73	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	77564	3.70	ug/L	98
24) Tert Butyl Alcohol	6.305	59	29380	37.28	ug/L	91
25) Acetonitrile	6.519	41	60880m	65.82	ug/L	
26) Di-isopropyl ether	6.653	45	91118	3.95	ug/L	99
27) Chloroprene	6.805	53	11522	1.07	ug/L	91
28) 1,1-Dichloroethane	6.836	63	55048	3.78	ug/L	98
29) Acrylonitrile	6.897	52	48943	19.88	ug/L	98
30) ETBE	7.092	59	86103	3.76	ug/L	99
31) Vinyl acetate	7.110	43	273489	16.90	ug/L	98
32) cis-1,2-Dichloroethene	7.470	96	33364	3.95	ug/L	97
33) 2,2-Dichloropropane	7.592	77	40432	3.78	ug/L	98
34) Bromochloromethane	7.695	128	18787	3.98	ug/L	99
35) Cyclohexane	7.707	56	46692	3.80	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:11:23 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	58872	3.99	ug/L	92
37) Ethyl acetate	7.872	43	150976	19.52	ug/L	100
38) Tetrahydrofuran	7.957	42	11465	4.59	ug/L	92
40) Carbon Tetrachloride	7.933	117	41470	3.60	ug/L	95
41) 1,1,1-Trichloroethane	8.006	97	50463	3.81	ug/L	98
42) 2-Butanone	8.098	43	90082	22.80	ug/L	99
43) 1,1-Dichloropropene	8.140	75	41085	3.74	ug/L	96
44) tert-Butyl formate	8.244	59	119394	28.01	ug/L	95
45) Propionitrile	8.427	54	73414	54.88	ug/L	89
46) Methacrylonitrile	8.445	41	331552	55.05	ug/L	98
47) Benzene	8.409	78	120800	3.81	ug/L	98
48) TAME	8.494	73	75587	3.47	ug/L	94
49) Isobutyl alcohol	8.567	43	28375	99.64	ug/L	89
51) 1,2-Dichloroethane	8.622	62	49810	4.09	ug/L	97
52) Tert Amyl Alcohol	8.683	59	18427	33.09	ug/L	95
53) Trichloroethene	9.018	95	32943	3.66	ug/L	96
54) Methylcyclohexane	9.012	83	38601	3.85	ug/L	98
55) Dibromomethane	9.463	93	20611	3.68	ug/L	96
56) 1,2-Dichloropropane	9.555	63	29821	3.76	ug/L	91
57) Bromodichloromethane	9.603	83	36292	3.67	ug/L	97
58) Methyl methacrylate	9.725	41	31791	5.05	ug/L	94
59) 1,4-Dioxane	9.811	88	6268	84.46	ug/L	83
60) 2-Chloroethyl vinyl ether	10.146	63	123962	24.75	ug/L	97
61) cis-1,3-Dichloropropene	10.244	75	40193	3.68	ug/L	98
64) Toluene	10.481	91	131317	4.46	ug/L	99
65) 2-Nitropropane	10.713	41	34790	21.21	ug/L	89
66) 4-Methyl-2-pentanone	10.829	43	185256	26.87	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	35278	3.93	ug/L	88
68) Tetrachloroethene	10.884	166	39452	4.58	ug/L	96
69) Ethyl methacrylate	10.993	69	47012	5.95	ug/L	98
70) 1,1,2-Trichloroethane	11.048	83	24080	4.54	ug/L	97
71) Dibromochloromethane	11.243	129	30794	4.32	ug/L	95
72) 1,3-Dichloropropane	11.335	76	49617	4.56	ug/L	97
73) 1,2-Dibromoethane	11.506	107	29093	4.27	ug/L	95
74) 3,3-dimethyl-1-butanol	11.597	57	120899	228.56	ug/L	99
75) 2-hexanone	11.658	43	124010	25.53	ug/L	97
76) 1-Chlorohexane	11.944	91	34952m	4.62	ug/L	
77) Ethylbenzene	12.012	91	148857	4.48	ug/L	98
78) Chlorobenzene	12.012	112	89481	4.53	ug/L	97
79) 1,1,1,2-Tetrachloroethane	12.060	131	29738	4.38	ug/L	95
80) m,p-Xylene	12.146	91	221813	8.90	ug/L	98
81) o-Xylene	12.591	91	106347	4.51	ug/L	98
82) Styrene	12.646	104	65776	3.83	ug/L	98
83) Bromoform	12.700	173	16934	4.22	ug/L	94
84) Isopropylbenzene	12.895	105	127787	4.40	ug/L	97
87) cis-1,4-Dichloro-2-butene	13.255	53	13405	6.13	ug/L	96
88) n-Propylbenzene	13.316	91	149409	4.84	ug/L	98
89) Bromobenzene	13.334	156	39217	4.90	ug/L	97
90) 1,1,2,2-Tetrachloroethane	13.383	83	39776	4.81	ug/L	98
91) 1,3,5-Trimethylbenzene	13.493	105	105826	4.78	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:11:23 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

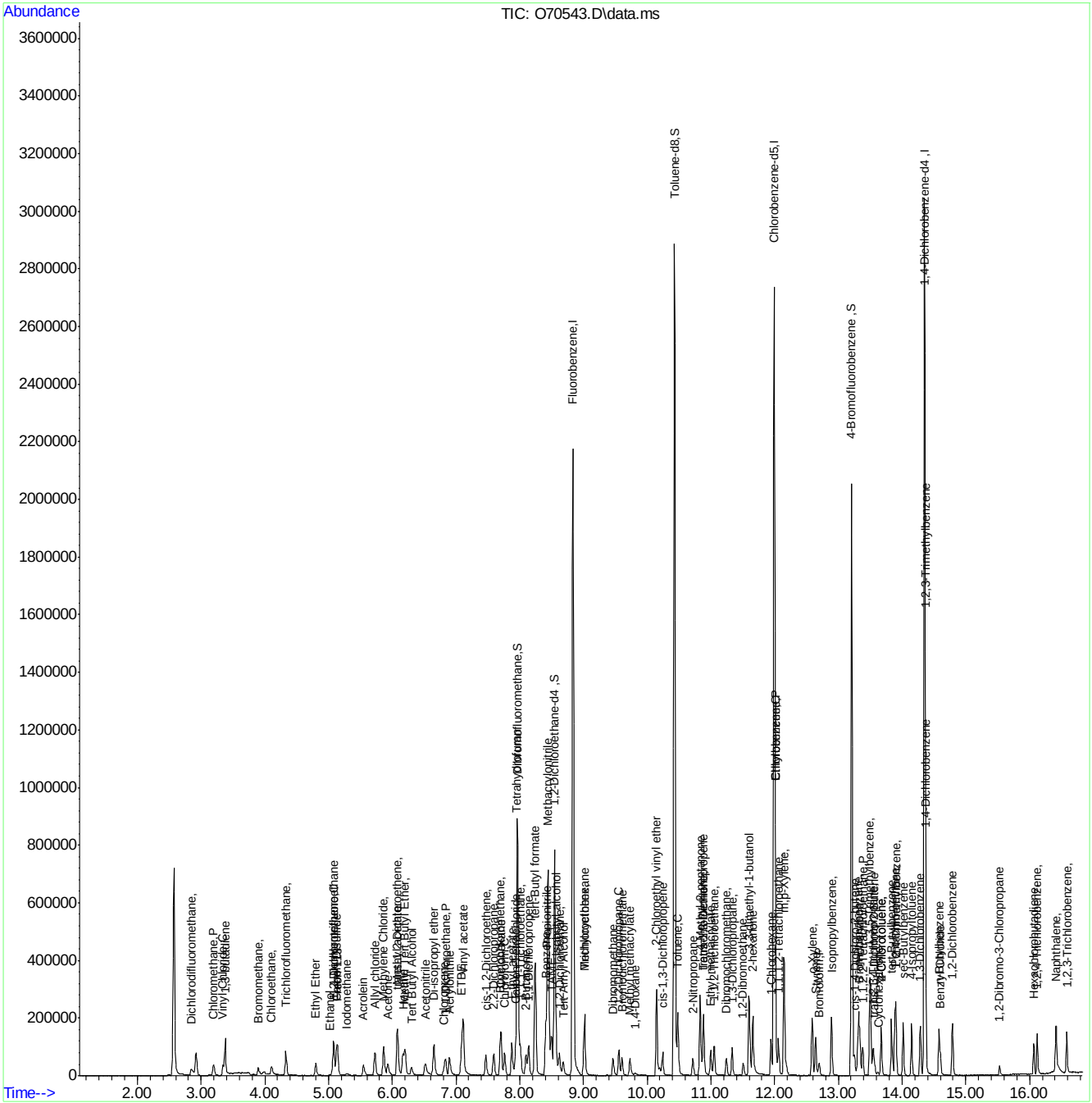
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	93709	4.78	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.566	53	9309	4.52	ug/L		86
94) 1,2,3-Trichloropropane	13.542	110	13045	4.77	ug/L		97
95) Cyclohexanone	13.627	55	4541	23.59	ug/L		95
96) 4-Chlorotoluene	13.670	91	93709	4.78	ug/L		99
97) tert-Butylbenzene	13.834	91	56098	4.74	ug/L		98
99) 1,2,4-Trimethylbenzene	13.907	105	102093	4.76	ug/L		92
100) Pentachloroethane	13.889	167	27167	6.88	ug/L		95
101) sec-Butylbenzene	14.017	105	115351	4.89	ug/L		97
102) 4-Isopropyltoluene	14.151	119	96059	4.63	ug/L		99
103) 1,3-Dichlorobenzene	14.285	146	68432	4.95	ug/L		98
104) 1,2,3-Trimethylbenzene	14.365	105	110628	4.89	ug/L		94
105) 1,4-Dichlorobenzene	14.371	146	73038	4.90	ug/L		94
106) n-Butylbenzene	14.578	92	46924	4.64	ug/L		96
107) Benzyl Chloride	14.602	126	9201	3.85	ug/L	#	88
108) 1,2-Dichlorobenzene	14.791	146	66537	5.00	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	15.529	75	5482	4.30	ug/L		94
110) Hexachlorobutadiene	16.066	225	15669	5.56	ug/L		96
111) 1,2,4-Trichlorobenzene	16.120	180	38023	4.85	ug/L		97
112) Naphthalene	16.419	128	107727	5.34	ug/L		97
113) 1,2,3-Trichlorobenzene	16.584	180	38937	5.00	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:11:23 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

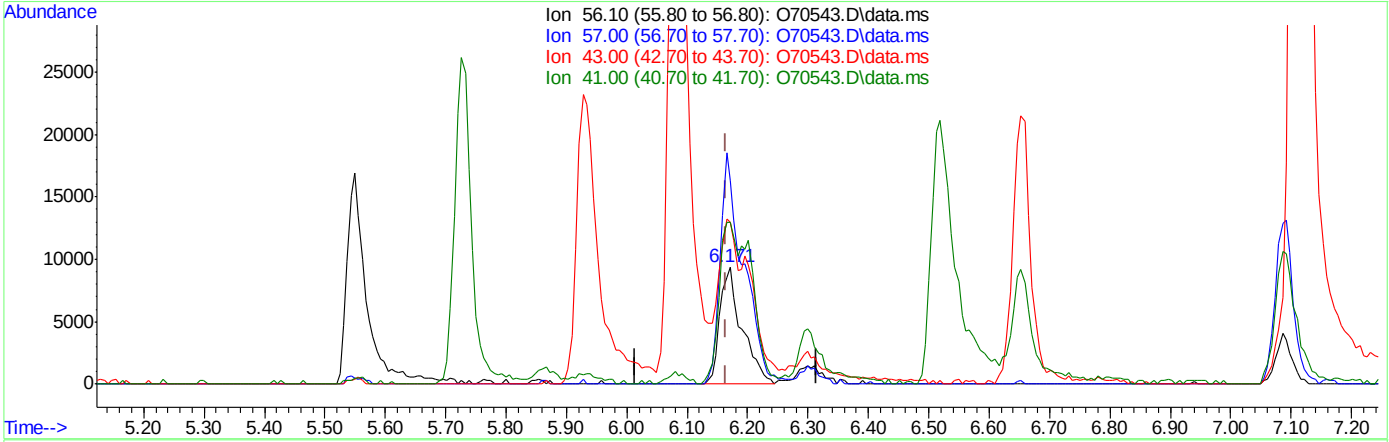
Sample Number: VO2796-IC2796
Lab FileID: O70543.D
Injection Time: 08/23/22 13:05
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

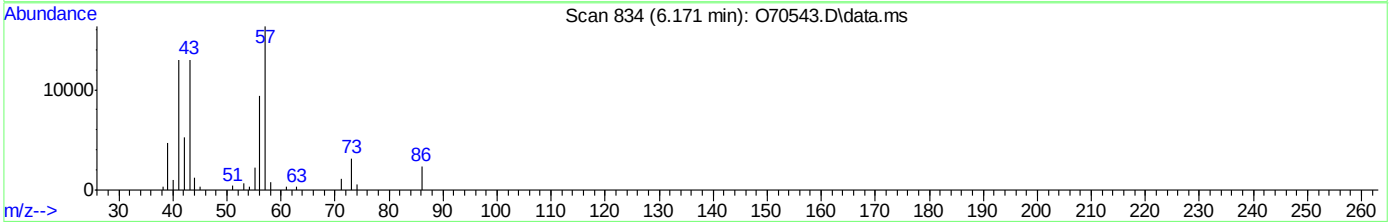
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.03	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.52	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

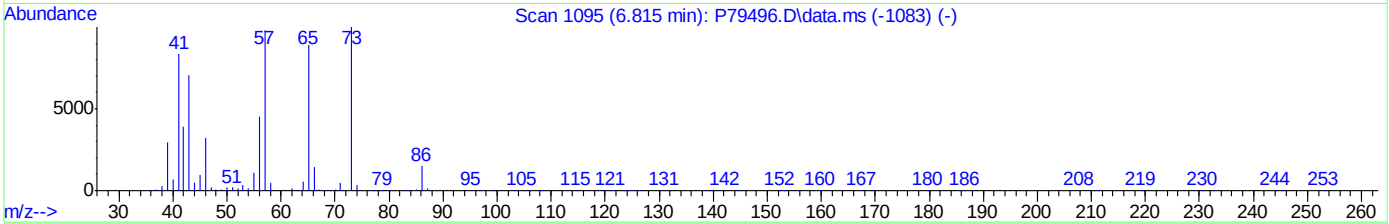
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(22) Hexane

6.171min (+0.006) 5.31ug/L

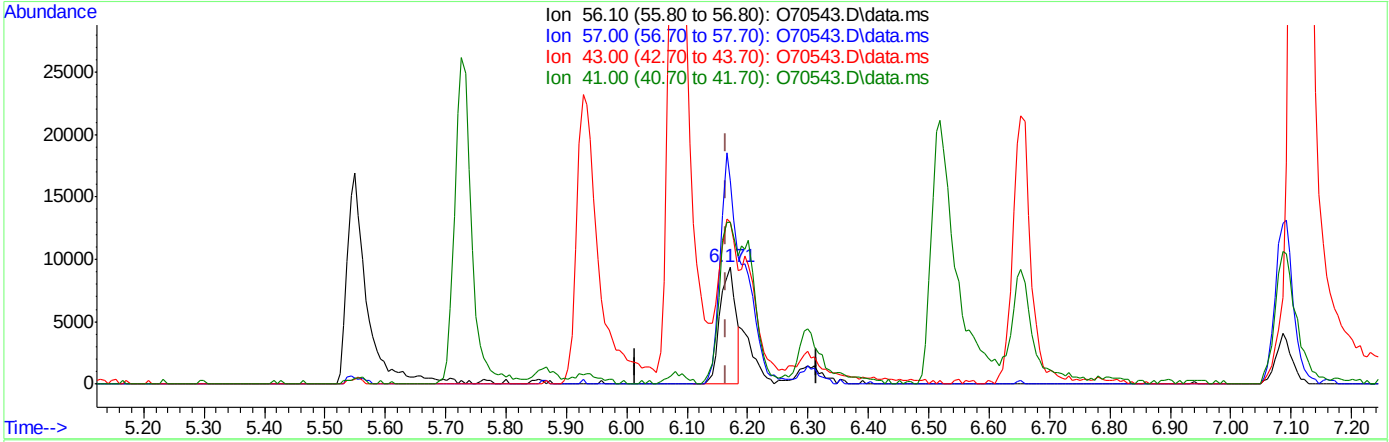
response 23836

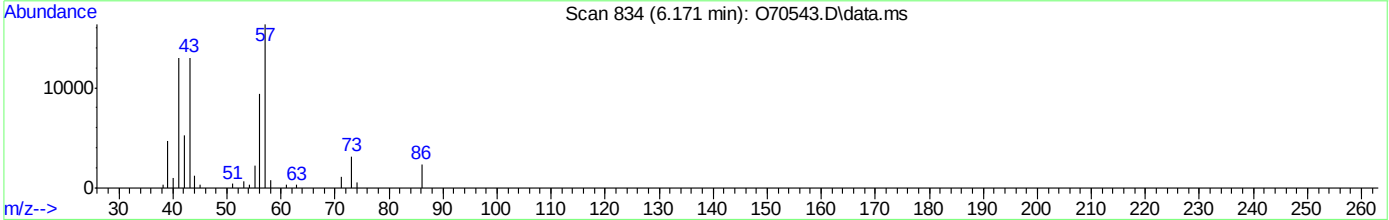
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	173.69#
43.00	139.80	121.69
41.00	146.00	138.17

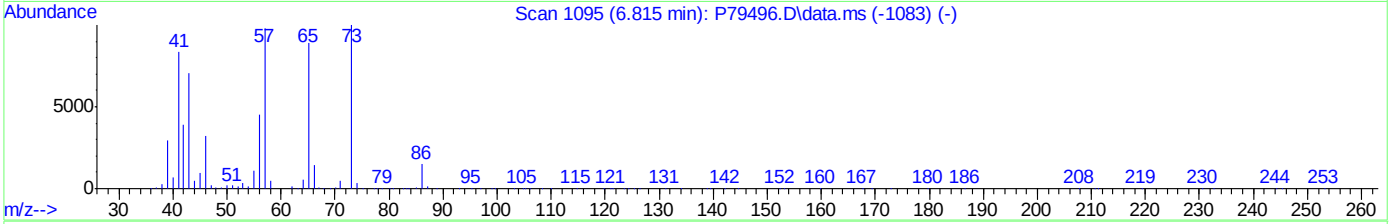
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(22) Hexane

6.171min (+0.006) 3.73ug/L m

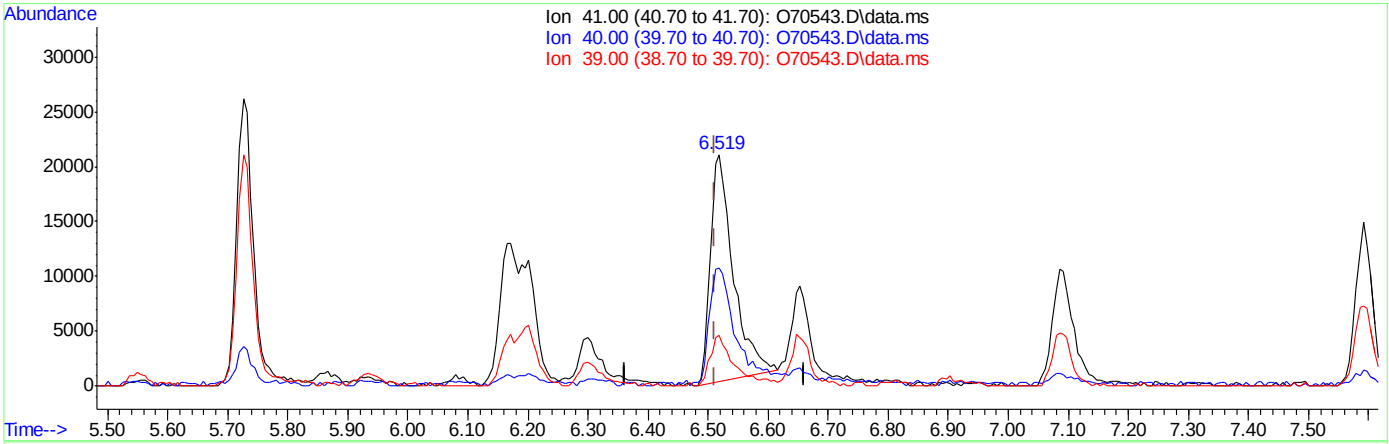
response 16752

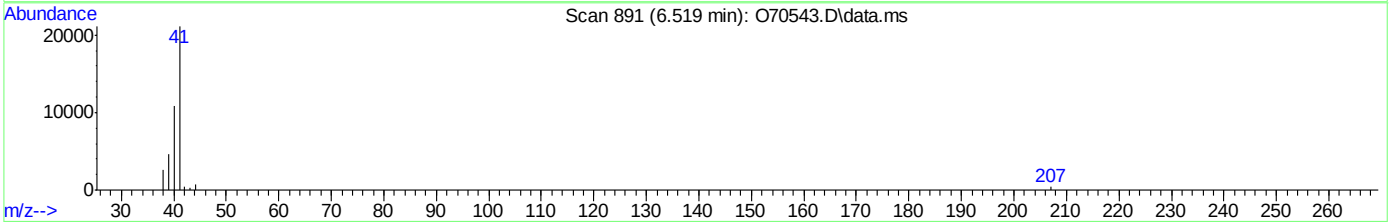
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	173.69#
43.00	139.80	138.40
41.00	146.00	138.17

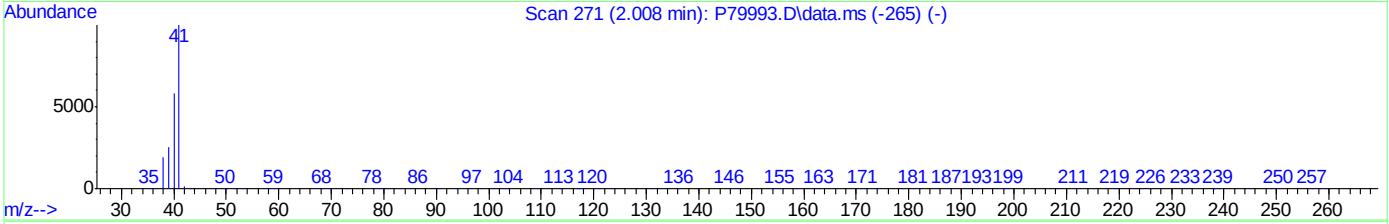
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 59.43ug/L

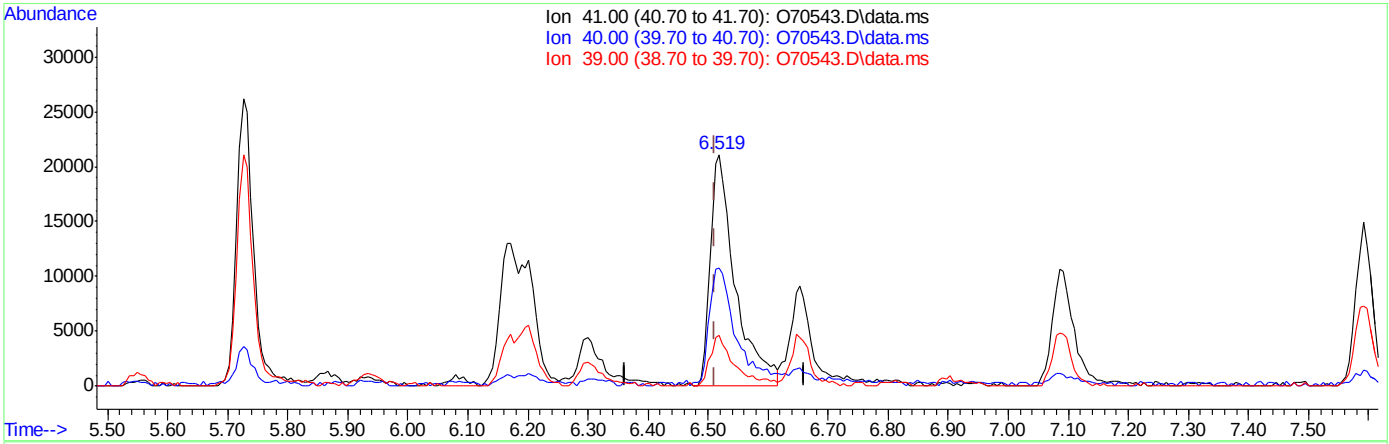
response 54972

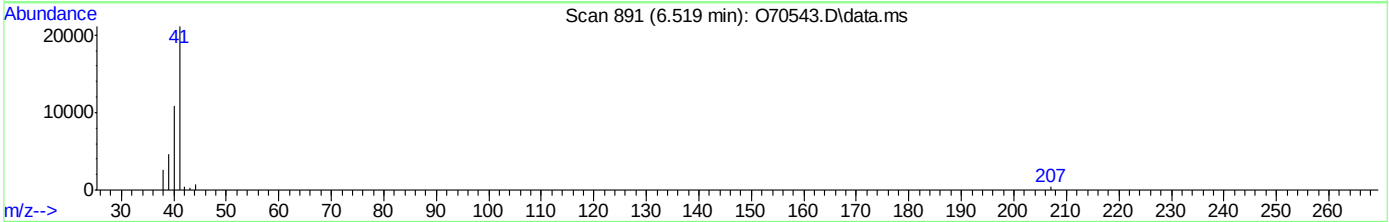
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	49.61
39.00	19.60	22.10
0.00	0.00	0.00

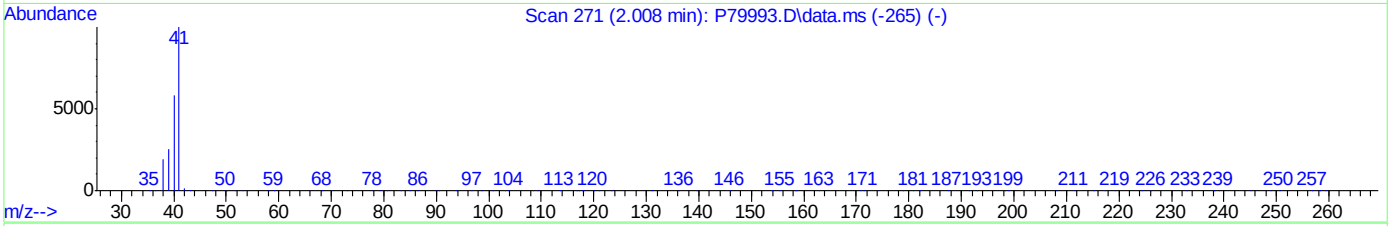
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 65.82ug/L m

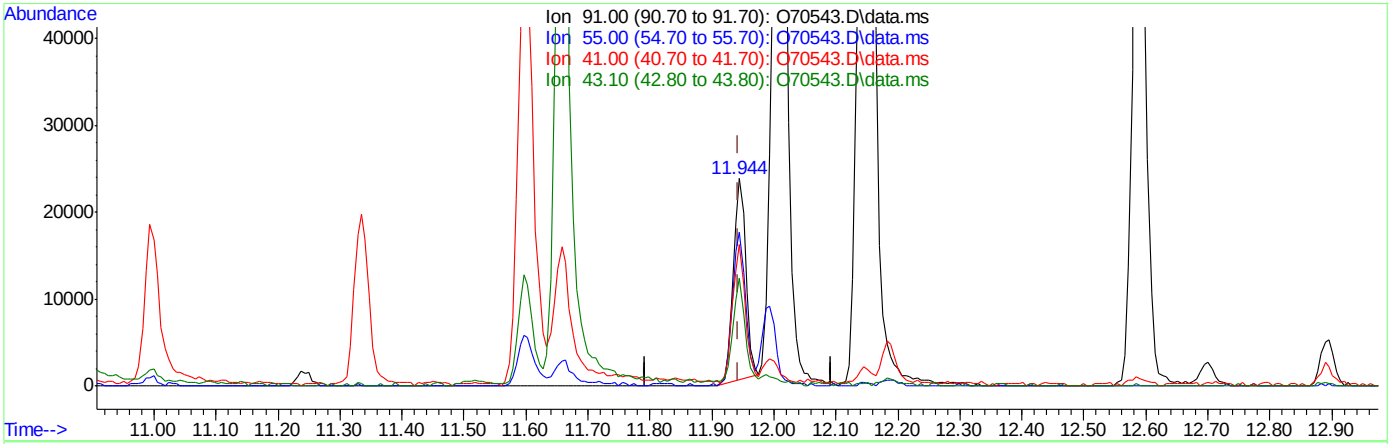
response 60880

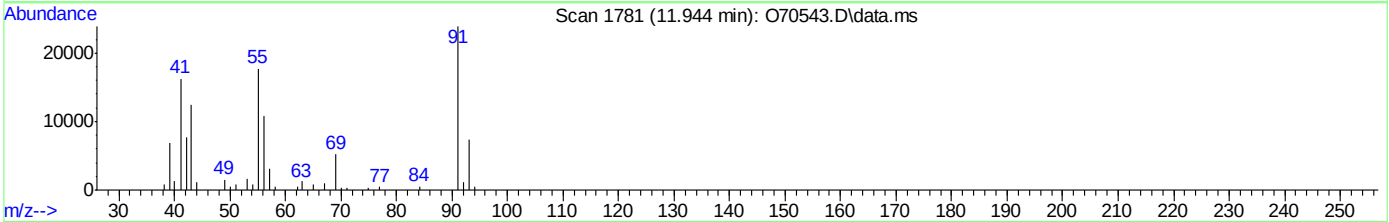
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	51.20
39.00	19.60	22.10
0.00	0.00	0.00

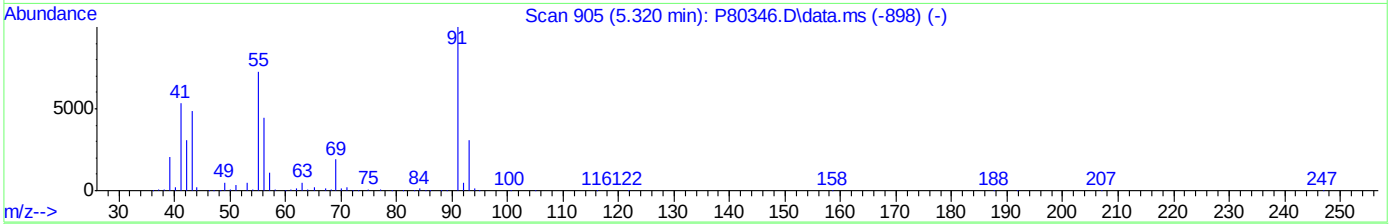
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 4.27ug/L

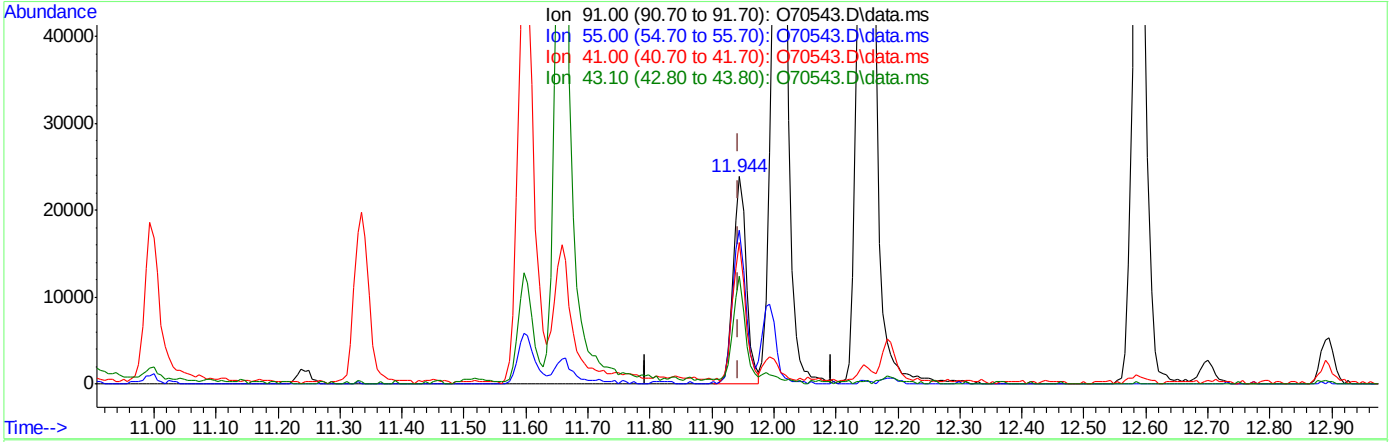
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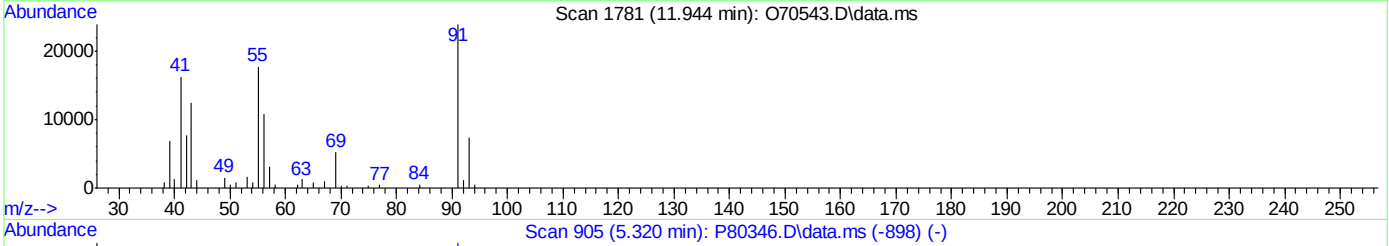
Ion	Exp%	Act%
91.00	100	100
55.00	71.00	74.29
41.00	56.50	65.14
43.10	44.30	49.36

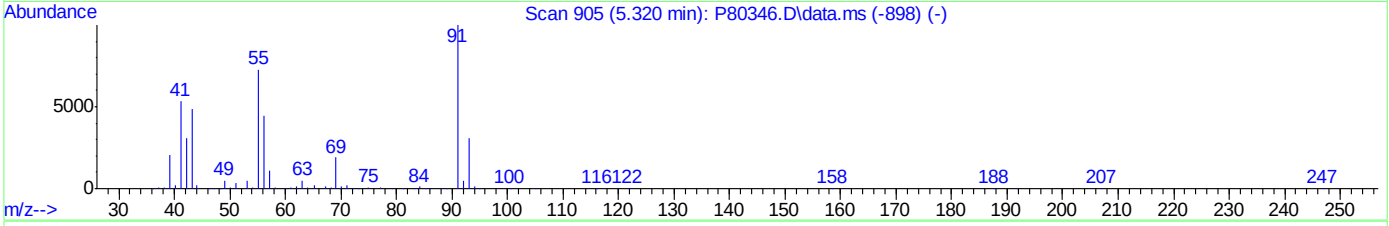
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 14:55:48 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70543.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 4.62ug/L m

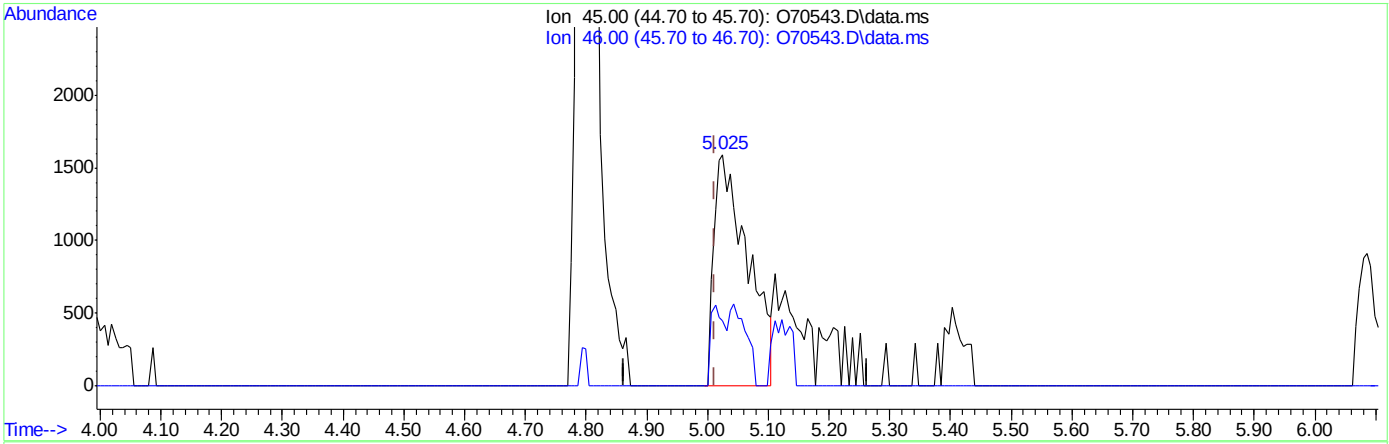
response 34952

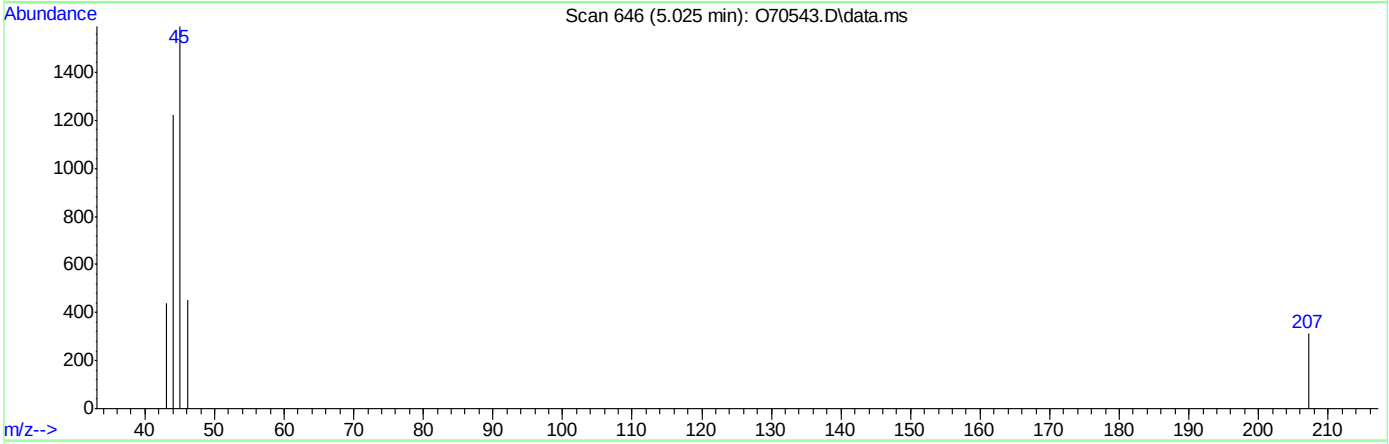
Ion	Exp%	Act%
91.00	100	100
55.00	71.00	74.29
41.00	56.50	68.15
43.10	44.30	51.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:07:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70543.D\data.ms

(10) Ethanol

5.025min (+0.012) 109.19ug/L

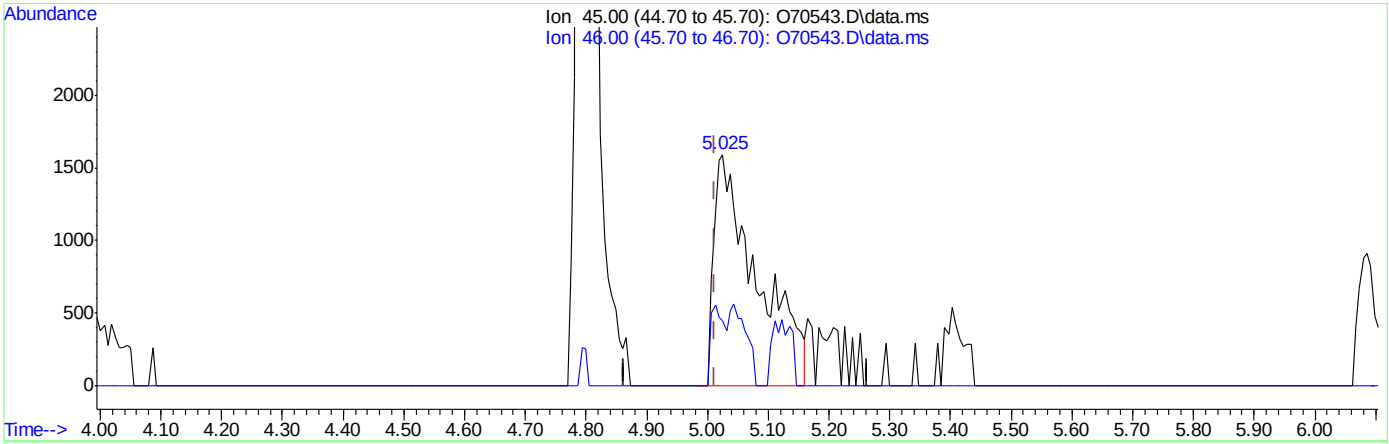
response 6109

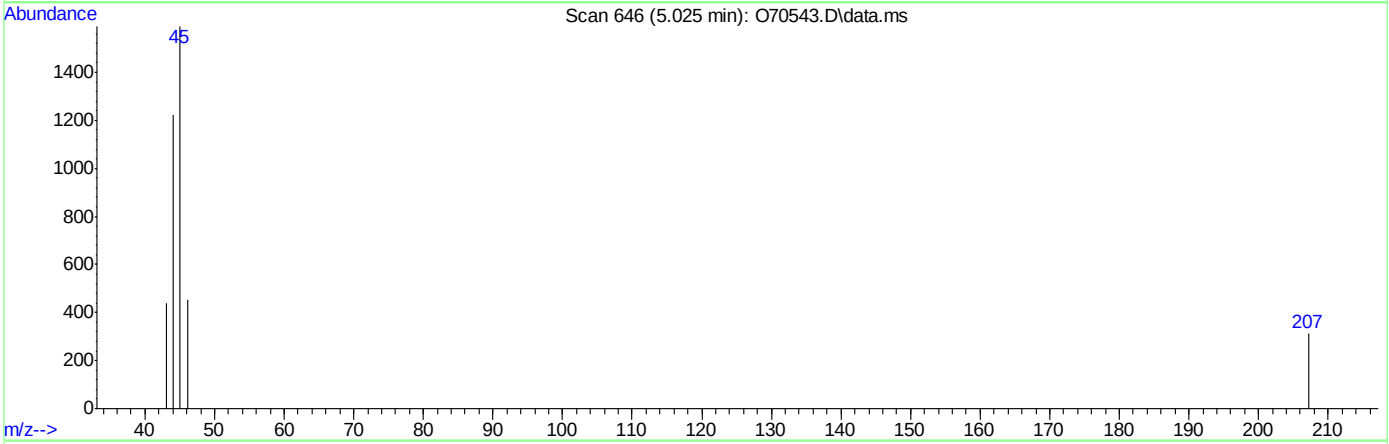
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	28.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70543.D
Acq On : 23 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2796-2 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 23 16:07:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70543.D\data.ms

(10) Ethanol

5.025min (+0.012) 139.01ug/L m

response 7777

Ion	Exp%	Act%
45.00	100	100
46.00	42.90	28.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 16:10:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1732924	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1356839	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	702377	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	488694	50.24	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.48%			
50) 1,2-Dichloroethane-d4	8.549	65	529069	52.86	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 105.72%			
63) Toluene-d8	10.427	98	1715525	54.90	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 109.80%			
86) 4-Bromofluorobenzene	13.207	174	569024	51.98	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	63602	7.81	ug/L	99
3) Chloromethane	3.202	50	71826	8.60	ug/L	98
4) 1,3-butadiene	3.379	39	53190	6.97	ug/L	95
5) Vinyl Chloride	3.349	62	81674	8.98	ug/L	96
6) Bromomethane	3.897	94	42399	11.83	ug/L	92
7) Chloroethane	4.111	64	52300	8.30	ug/L	99
8) Trichlorofluoromethane	4.336	101	118984	9.23	ug/L	98
9) Ethyl Ether	4.800	59	56040	8.60	ug/L	94
10) Ethanol	5.019	45	9944m	175.57	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	65938	7.78	ug/L	97
12) 1,1-Dichloroethene	5.086	61	93694	7.89	ug/L	98
13) Freon 113	5.147	101	60934	7.61	ug/L	93
14) Carbon Disulfide	5.129	76	168961	8.55	ug/L	100
15) Iodomethane	5.293	142	22953	6.48	ug/L	96
16) Acrolein	5.549	56	71643	51.62	ug/L	99
17) Allyl chloride	5.732	41	62155	6.82	ug/L	98
18) Methylene Chloride	5.866	49	103767	8.81	ug/L	97
19) Acetone	5.927	43	121447	46.72	ug/L	98
20) Methyl acetate	6.080	43	263584	40.93	ug/L	100
21) trans-1,2-Dichloroethene	6.080	61	93769	8.05	ug/L	99
22) Hexane	6.171	56	38177m	8.40	ug/L	
23) Methyl Tert Butyl Ether	6.202	73	175435	8.27	ug/L	97
24) Tert Butyl Alcohol	6.299	59	63939	80.14	ug/L	99
25) Acetonitrile	6.519	41	69750m	74.49	ug/L	
26) Di-isopropyl ether	6.653	45	199355	8.53	ug/L	97
27) Chloroprene	6.811	53	13543	1.24	ug/L	93
28) 1,1-Dichloroethane	6.836	63	118005	8.01	ug/L	100
29) Acrylonitrile	6.897	52	93203	37.40	ug/L	96
30) ETBE	7.092	59	193218	8.34	ug/L	99
31) Vinyl acetate	7.110	43	560575	34.22	ug/L	98
32) cis-1,2-Dichloroethene	7.470	96	70395	8.23	ug/L	91
33) 2,2-Dichloropropane	7.598	77	88110	8.13	ug/L	96
34) Bromochloromethane	7.695	128	40900	8.56	ug/L	96
35) Cyclohexane	7.708	56	97339	7.83	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 16:10:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	126401	8.46	ug/L	96
37) Ethyl acetate	7.872	43	276451	35.30	ug/L	99
38) Tetrahydrofuran	7.964	42	22353	8.80	ug/L	94
40) Carbon Tetrachloride	7.939	117	91142	7.81	ug/L	99
41) 1,1,1-Trichloroethane	8.012	97	107849	8.04	ug/L	98
42) 2-Butanone	8.098	43	188250	47.07	ug/L	98
43) 1,1-Dichloropropene	8.140	75	88807	7.98	ug/L	97
44) tert-Butyl formate	8.244	59	236204	53.82	ug/L	98
45) Propionitrile	8.427	54	85079	62.83	ug/L	90
46) Methacrylonitrile	8.445	41	401193	65.80	ug/L	98
47) Benzene	8.409	78	262727	8.18	ug/L	98
48) TAME	8.494	73	167716	7.61	ug/L	96
49) Isobutyl alcohol	8.567	43	33817	117.12	ug/L	95
51) 1,2-Dichloroethane	8.622	62	106484	8.64	ug/L	98
52) Tert Amyl Alcohol	8.677	59	42618	75.59	ug/L	94
53) Trichloroethene	9.018	95	72878	8.01	ug/L	95
54) Methylcyclohexane	9.012	83	80535	7.94	ug/L	98
55) Dibromomethane	9.463	93	45259	7.98	ug/L	93
56) 1,2-Dichloropropane	9.555	63	67722	8.43	ug/L	96
57) Bromodichloromethane	9.604	83	82257	8.21	ug/L	97
58) Methyl methacrylate	9.725	41	40002	6.25	ug/L	94
59) 1,4-Dioxane	9.811	88	13152	175.12	ug/L	87
60) 2-Chloroethyl vinyl ether	10.146	63	242946	47.38	ug/L	95
61) cis-1,3-Dichloropropene	10.244	75	91585	8.29	ug/L	99
64) Toluene	10.481	91	279832	9.24	ug/L	100
65) 2-Nitropropane	10.719	41	81604	48.42	ug/L	99
66) 4-Methyl-2-pentanone	10.829	43	388659	54.69	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	83098	9.02	ug/L	99
68) Tetrachloroethene	10.884	166	80733	9.12	ug/L	97
69) Ethyl methacrylate	10.994	69	57262	7.05	ug/L	96
70) 1,1,2-Trichloroethane	11.054	83	54133	9.93	ug/L	98
71) Dibromochloromethane	11.243	129	69583	9.49	ug/L	97
72) 1,3-Dichloropropane	11.335	76	109360	9.79	ug/L	96
73) 1,2-Dibromoethane	11.506	107	68356	9.77	ug/L	96
74) 3,3-dimethyl-1-butanol	11.597	57	253174	457.24	ug/L	97
75) 2-hexanone	11.658	43	266263	53.37	ug/L	99
76) 1-Chlorohexane	11.945	91	75759m	9.74	ug/L	
77) Ethylbenzene	12.006	91	315512	9.24	ug/L	98
78) Chlorobenzene	12.012	112	191846	9.46	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	67827	9.72	ug/L	97
80) m,p-Xylene	12.146	91	478681	18.70	ug/L	100
81) o-Xylene	12.591	91	232373	9.60	ug/L	99
82) Styrene	12.640	104	159517	9.04	ug/L	98
83) Bromoform	12.701	173	41791	9.93	ug/L	97
84) Isopropylbenzene	12.890	105	285116	9.55	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.255	53	17251	7.60	ug/L	94
88) n-Propylbenzene	13.310	91	327407	10.22	ug/L	99
89) Bromobenzene	13.335	156	85779	10.33	ug/L	97
90) 1,1,2,2-Tetrachloroethane	13.377	83	88280	10.29	ug/L	96
91) 1,3,5-Trimethylbenzene	13.493	105	233905	10.18	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 16:10:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

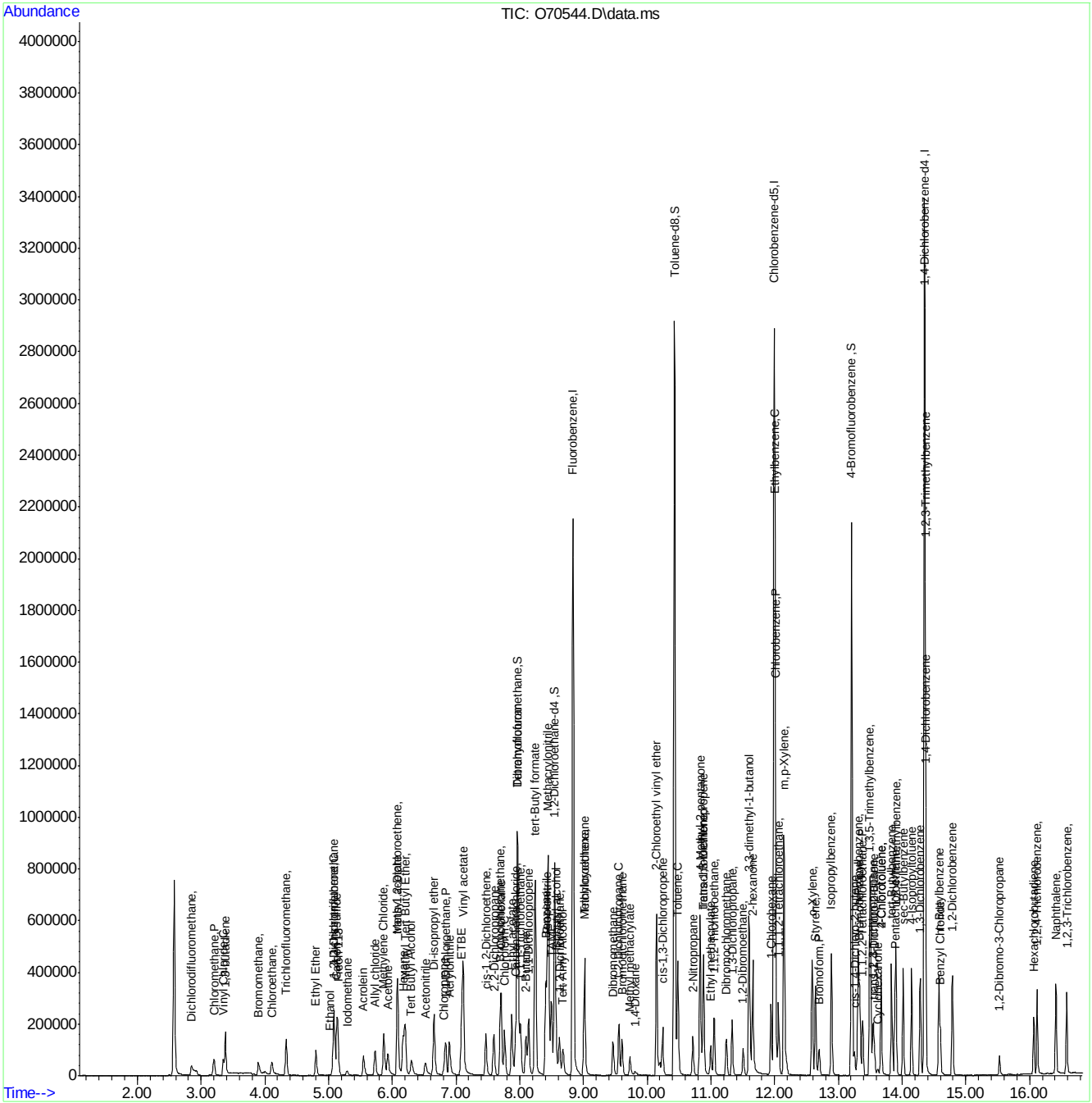
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	13.670	91	202552	9.96	ug/L		99
93)	trans-1,4-Dichloro-2-B...	13.566	53	22932	10.72	ug/L		90
94)	1,2,3-Trichloropropane	13.548	110	27771	9.79	ug/L		99
95)	Cyclohexanone	13.621	55	10283	51.44	ug/L		93
96)	4-Chlorotoluene	13.670	91	202552	9.96	ug/L		99
97)	tert-Butylbenzene	13.834	91	125351	10.20	ug/L		97
99)	1,2,4-Trimethylbenzene	13.908	105	230607	10.37	ug/L		96
100)	Pentachloroethane	13.889	167	32348	7.90	ug/L		98
101)	sec-Butylbenzene	14.017	105	251805	10.28	ug/L		99
102)	4-Isopropyltoluene	14.151	119	222025	10.31	ug/L		99
103)	1,3-Dichlorobenzene	14.286	146	147235	10.26	ug/L		100
104)	1,2,3-Trimethylbenzene	14.365	105	244438	10.42	ug/L		97
105)	1,4-Dichlorobenzene	14.371	146	159838	10.34	ug/L		98
106)	n-Butylbenzene	14.578	92	108254	10.31	ug/L		99
107)	Benzyl Chloride	14.603	126	22298	8.99	ug/L	#	79
108)	1,2-Dichlorobenzene	14.792	146	143205	10.37	ug/L		99
109)	1,2-Dibromo-3-Chloropr...	15.529	75	13053	9.86	ug/L		89
110)	Hexachlorobutadiene	16.066	225	32489	11.16	ug/L		98
111)	1,2,4-Trichlorobenzene	16.121	180	84710	10.41	ug/L		99
112)	Naphthalene	16.413	128	232915	11.02	ug/L		99
113)	1,2,3-Trichlorobenzene	16.584	180	84091	10.41	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 16:10:04 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

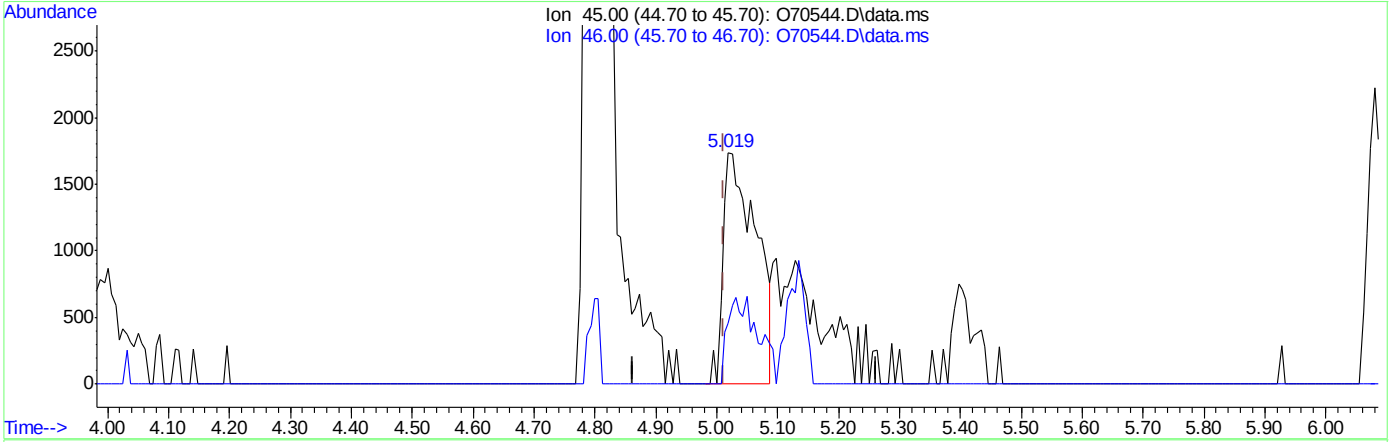
Sample Number: VO2796-IC2796
Lab FileID: O70544.D
Injection Time: 08/23/22 13:30
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

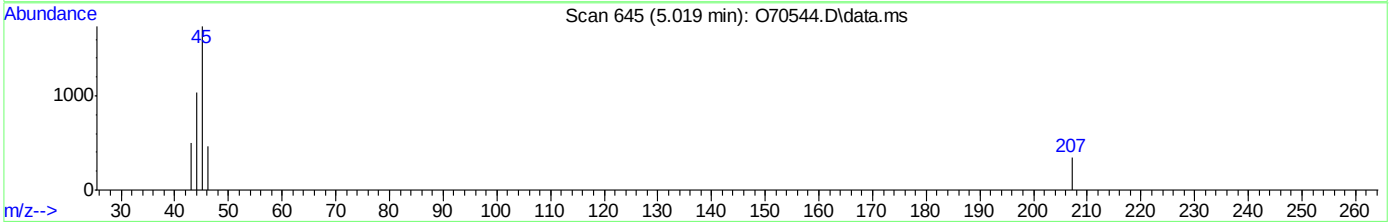
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.02	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.52	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

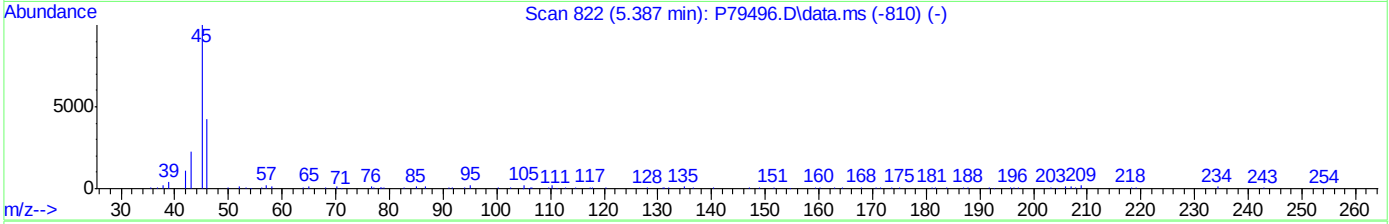
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(10) Ethanol

5.019min (+0.006) 114.28ug/L

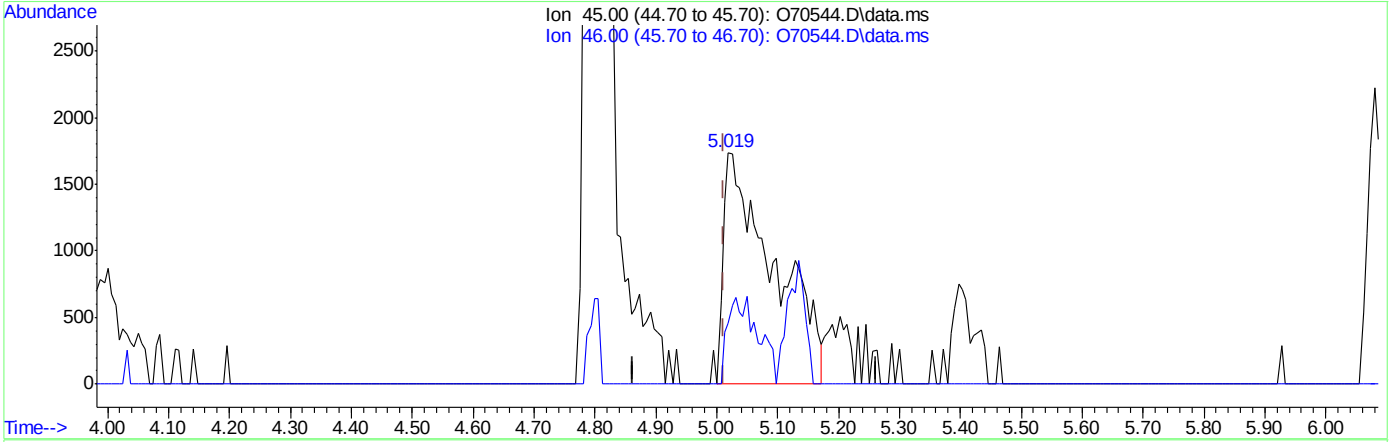
response 6473

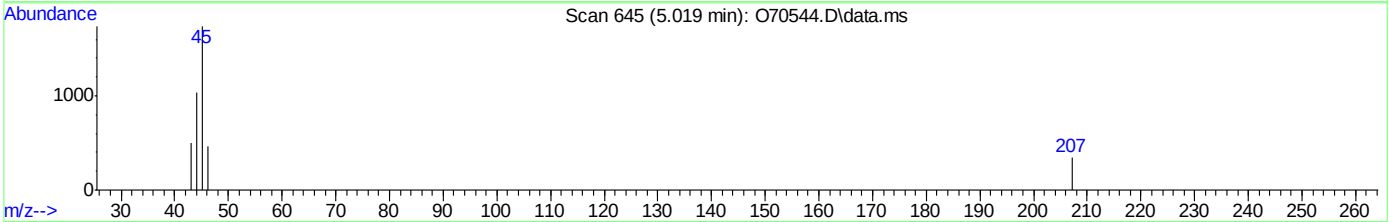
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	26.41
0.00	0.00	0.00
0.00	0.00	0.00

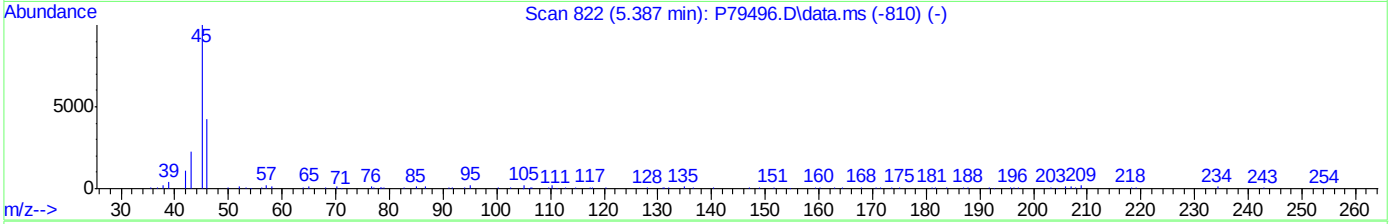
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(10) Ethanol

5.019min (+0.006) 175.57ug/L m

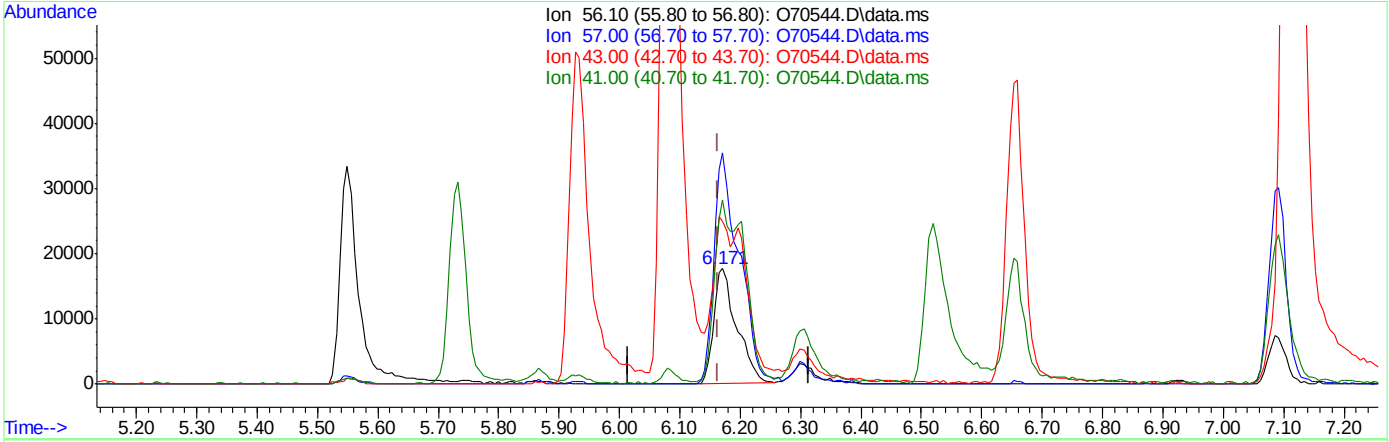
response 9944

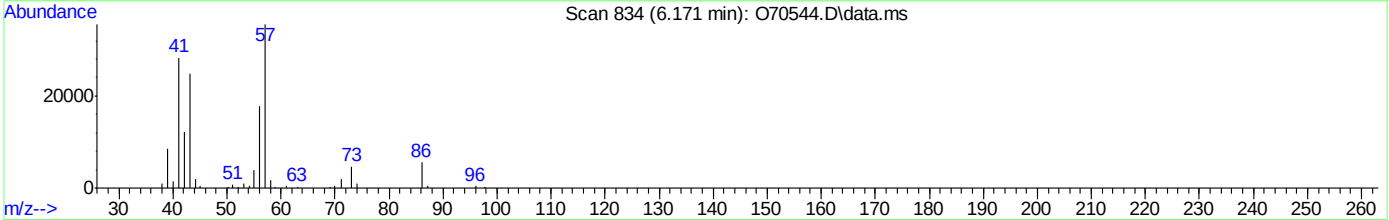
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	26.41
0.00	0.00	0.00
0.00	0.00	0.00

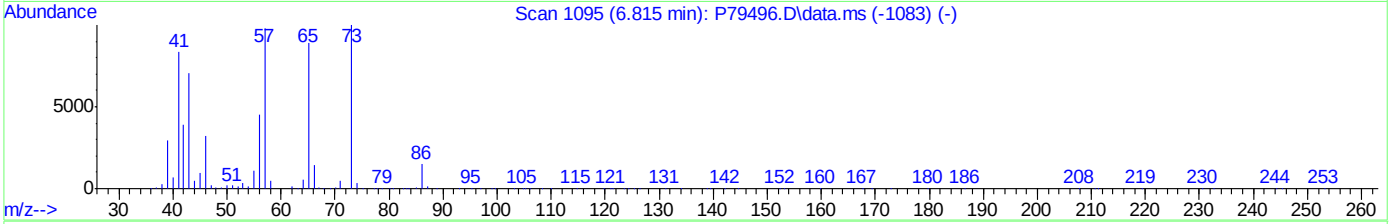
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(22) Hexane

6.171min (+0.006) 10.24ug/L

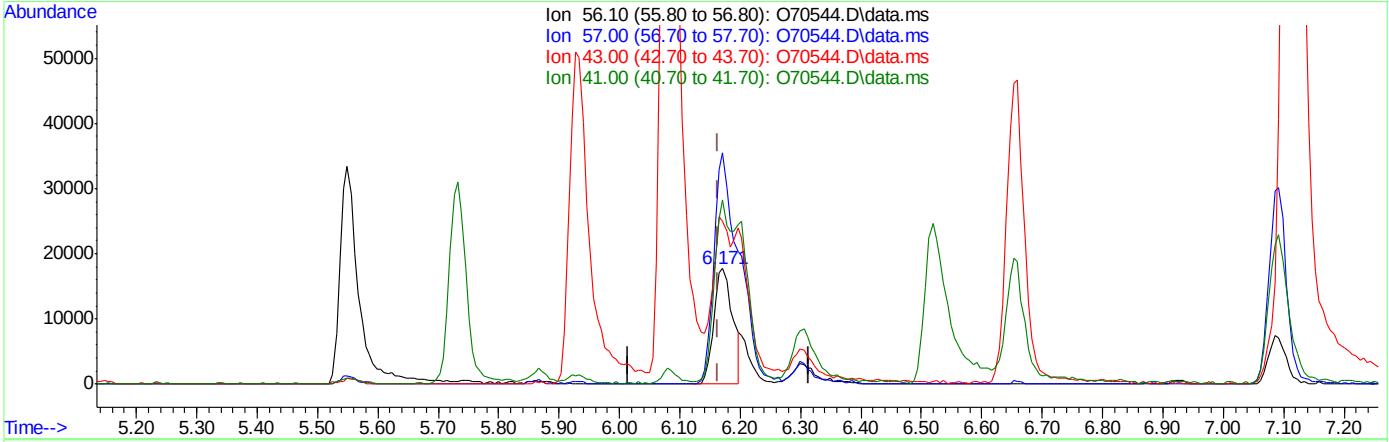
response 46561

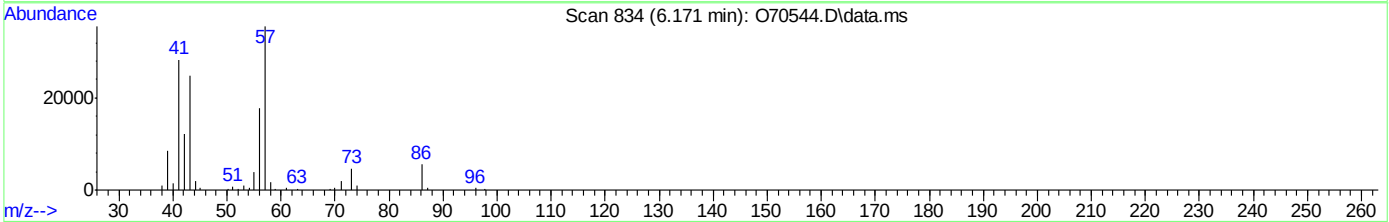
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	196.97
43.00	139.80	128.97
41.00	146.00	156.11

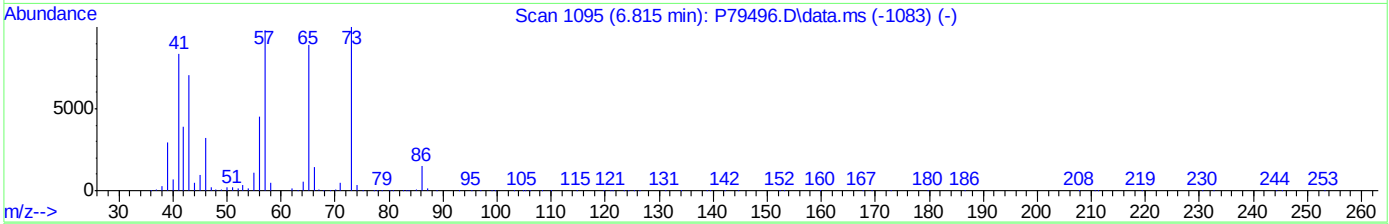
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(22) Hexane

6.171min (+0.006) 8.40ug/L m

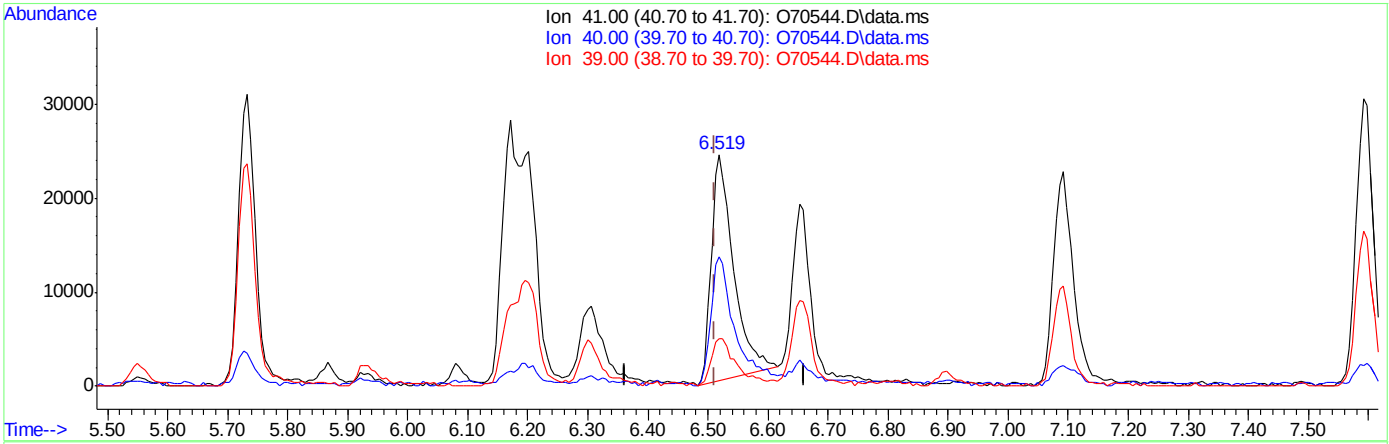
response 38177

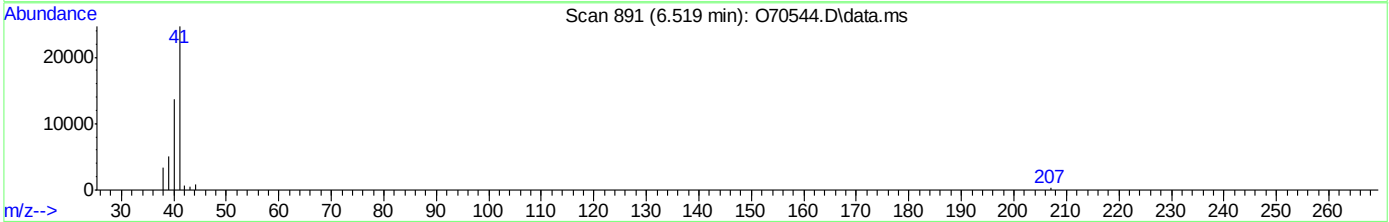
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	200.68
43.00	139.80	140.70
41.00	146.00	159.89

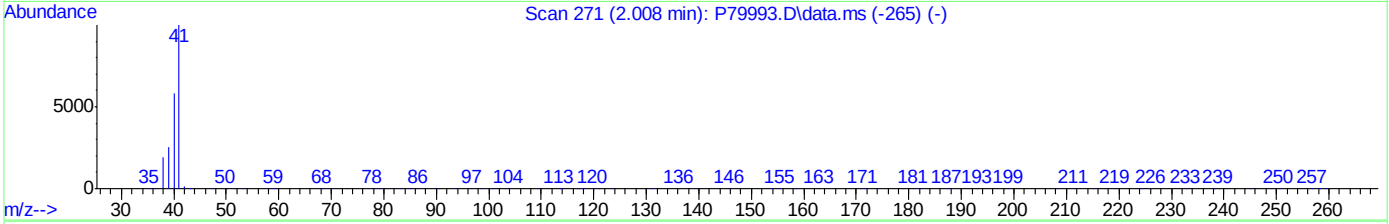
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 66.11ug/L

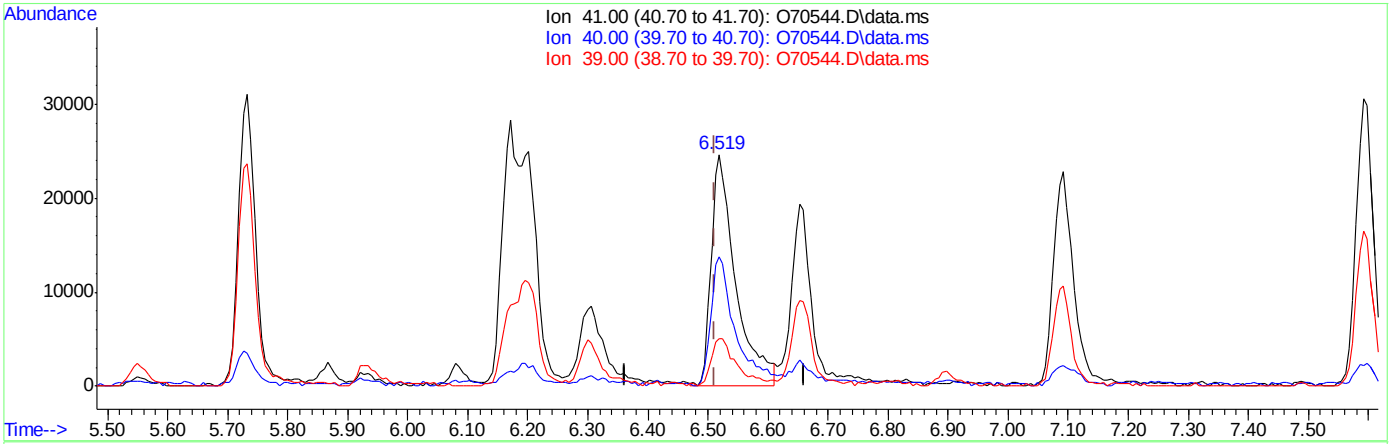
response 61905

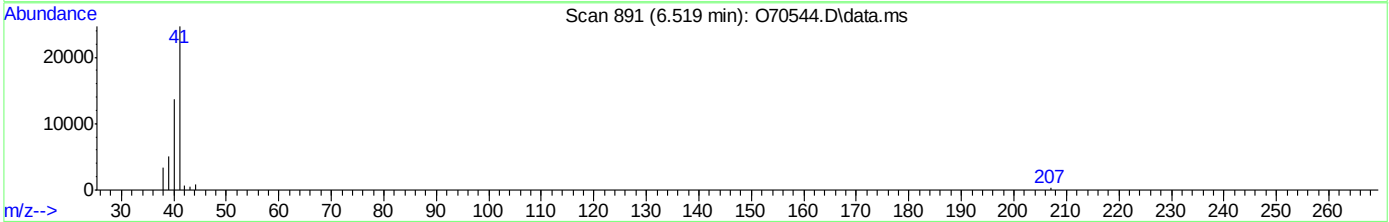
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	55.80
39.00	19.60	20.48
0.00	0.00	0.00

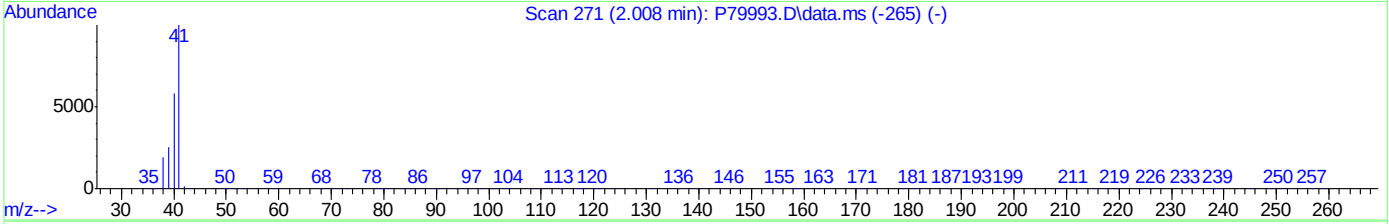
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 74.49ug/L m

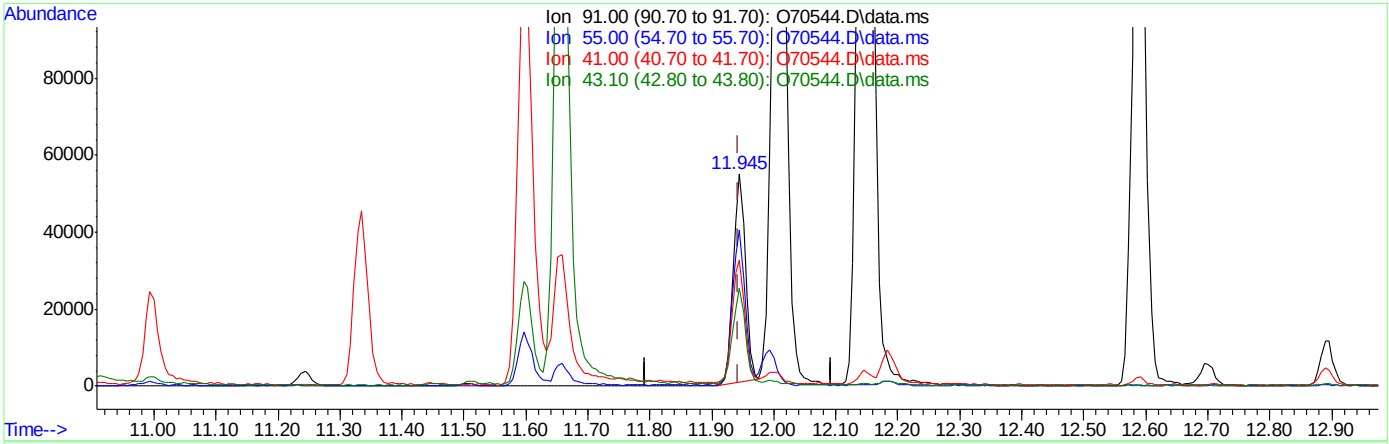
response 69750

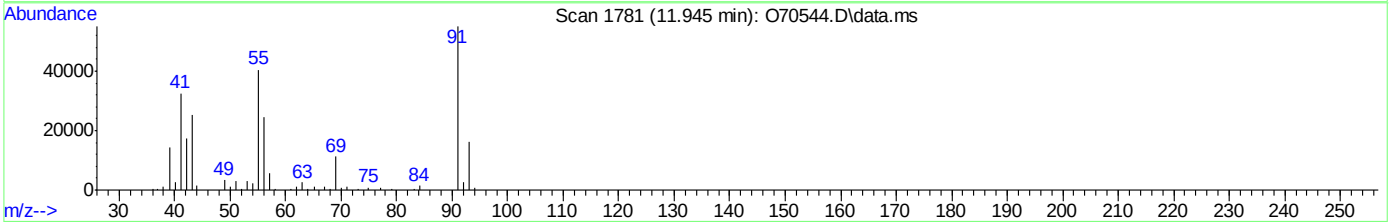
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	55.80
39.00	19.60	20.48
0.00	0.00	0.00

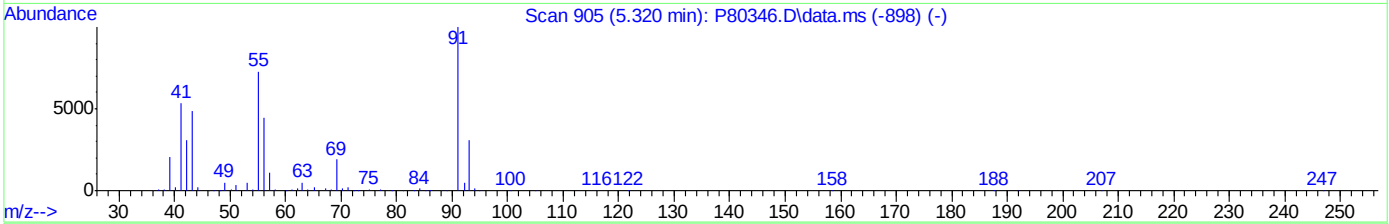
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(76) 1-Chlorohexane

11.945min (+0.001) 9.32ug/L

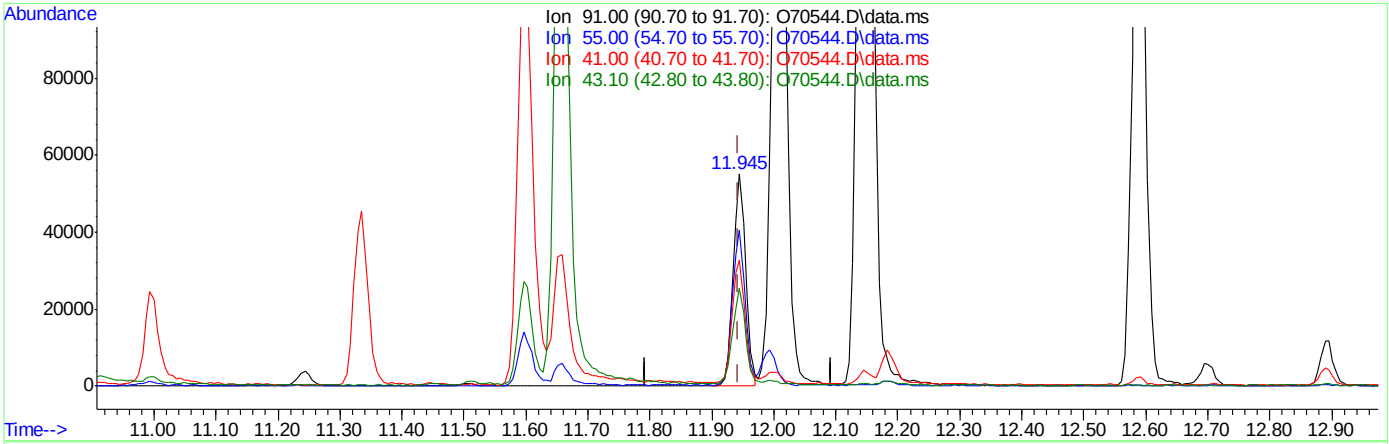
response 72510

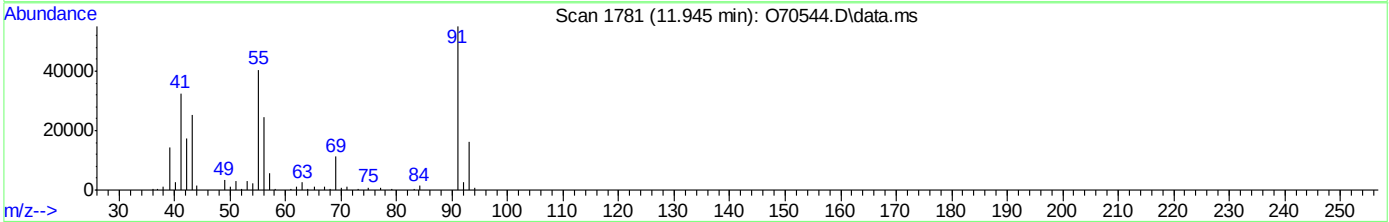
Ion	Exp%	Act%
91.00	100	100
55.00	71.00	72.88
41.00	56.50	57.63
43.10	44.30	44.66

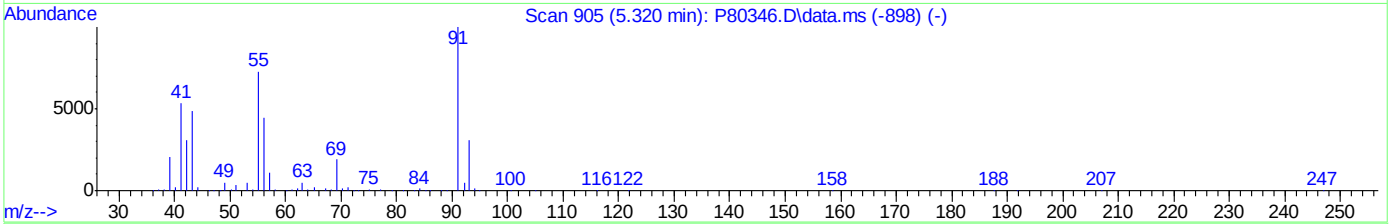
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70544.D
Acq On : 23 Aug 2022 1:30 pm
Operator : joannel
Sample : IC2796-3 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 14:55:51 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration







TIC: O70544.D\data.ms

(76) 1-Chlorohexane

11.945min (+0.001) 9.74ug/L m

response 75759

Ion	Exp%	Act%
91.00	100	100
55.00	71.00	73.50
41.00	56.50	59.26
43.10	44.30	46.07

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 16:13:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1714056	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1346148	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	700151	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	489679	50.90	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.80%			
50) 1,2-Dichloroethane-d4	8.549	65	496873	50.19	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.38%			
63) Toluene-d8	10.427	98	1692991	54.61	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 109.22%			
86) 4-Bromofluorobenzene	13.206	174	555756	50.93	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	145108	18.02	ug/L	98
3) Chloromethane	3.202	50	169865	20.55	ug/L	99
4) 1,3-butadiene	3.379	39	150890	19.99	ug/L	99
5) Vinyl Chloride	3.343	62	187273	20.83	ug/L	98
6) Bromomethane	3.897	94	93014	25.64	ug/L	96
7) Chloroethane	4.105	64	120667	20.27	ug/L	98
8) Trichlorofluoromethane	4.330	101	267925	21.02	ug/L	99
9) Ethyl Ether	4.800	59	126718	19.65	ug/L	97
10) Ethanol	5.019	45	29493m	526.44	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	162320	19.36	ug/L	95
12) 1,1-Dichloroethene	5.086	61	227498	19.37	ug/L	99
13) Freon 113	5.141	101	144466	18.24	ug/L	89
14) Carbon Disulfide	5.129	76	422663	21.10	ug/L	100
15) Iodomethane	5.287	142	87977	21.76	ug/L	99
16) Acrolein	5.543	56	155511	113.29	ug/L	99
17) Allyl chloride	5.726	41	195919	21.34	ug/L	97
18) Methylene Chloride	5.866	49	227842	19.57	ug/L	98
19) Acetone	5.927	43	224092	87.16	ug/L	99
20) Methyl acetate	6.080	43	622832	97.79	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	232106	20.16	ug/L	97
22) Hexane	6.165	56	89321m	19.86	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	405704	19.33	ug/L	96
24) Tert Butyl Alcohol	6.299	59	147951	187.48	ug/L	99
25) Acetonitrile	6.513	41	209539m	226.23	ug/L	
26) Di-isopropyl ether	6.653	45	482569	20.87	ug/L	100
27) Chloroprene	6.805	53	42149	3.90	ug/L	95
28) 1,1-Dichloroethane	6.836	63	288904	19.83	ug/L	99
29) Acrylonitrile	6.891	52	261545	106.12	ug/L	99
30) ETBE	7.086	59	468258	20.44	ug/L	99
31) Vinyl acetate	7.110	43	1628959	100.55	ug/L	99
32) cis-1,2-Dichloroethene	7.470	96	169458	20.02	ug/L	98
33) 2,2-Dichloropropane	7.592	77	217742	20.32	ug/L	97
34) Bromochloromethane	7.695	128	93246	19.73	ug/L	97
35) Cyclohexane	7.708	56	238961	19.44	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 16:13:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	303209	20.51	ug/L	98
37) Ethyl acetate	7.872	43	781759	100.93	ug/L	99
38) Tetrahydrofuran	7.957	42	50705	19.94	ug/L	96
40) Carbon Tetrachloride	7.939	117	227770	19.74	ug/L	99
41) 1,1,1-Trichloroethane	8.006	97	265619	20.02	ug/L	96
42) 2-Butanone	8.098	43	351592	88.88	ug/L	99
43) 1,1-Dichloropropene	8.140	75	216525	19.68	ug/L	97
44) tert-Butyl formate	8.244	59	523159	115.85	ug/L	99
45) Propionitrile	8.421	54	263654	196.84	ug/L	98
46) Methacrylonitrile	8.445	41	1230710	204.07	ug/L	99
47) Benzene	8.409	78	635275	19.99	ug/L	99
48) TAME	8.494	73	404394	18.56	ug/L	97
49) Isobutyl alcohol	8.567	43	110181	377.15	ug/L	97
51) 1,2-Dichloroethane	8.622	62	244480	20.06	ug/L	99
52) Tert Amyl Alcohol	8.677	59	103019	184.73	ug/L	96
53) Trichloroethene	9.012	95	176233	19.57	ug/L	94
54) Methylcyclohexane	9.012	83	198496	19.79	ug/L	98
55) Dibromomethane	9.463	93	109295	19.48	ug/L	98
56) 1,2-Dichloropropane	9.555	63	160494	20.20	ug/L	96
57) Bromodichloromethane	9.604	83	204368	20.63	ug/L	99
58) Methyl methacrylate	9.725	41	137198	20.80	ug/L	97
59) 1,4-Dioxane	9.805	88	28652	386.01	ug/L	96
60) 2-Chloroethyl vinyl ether	10.146	63	550412	105.43	ug/L	97
61) cis-1,3-Dichloropropene	10.238	75	233469	21.37	ug/L	96
64) Toluene	10.481	91	682570	22.73	ug/L	100
65) 2-Nitropropane	10.713	41	216141	129.26	ug/L	98
66) 4-Methyl-2-pentanone	10.829	43	742133	104.66	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	202766	22.18	ug/L	98
68) Tetrachloroethene	10.884	166	203959	23.22	ug/L	99
69) Ethyl methacrylate	10.993	69	196473	23.60	ug/L	98
70) 1,1,2-Trichloroethane	11.048	83	125979	23.29	ug/L	96
71) Dibromochloromethane	11.243	129	175155	24.08	ug/L	97
72) 1,3-Dichloropropane	11.335	76	257118	23.21	ug/L	99
73) 1,2-Dibromoethane	11.506	107	161449	23.25	ug/L	98
74) 3,3-dimethyl-1-butanol	11.597	57	577130	1005.72	ug/L	99
75) 2-hexanone	11.652	43	507911	102.61	ug/L	99
76) 1-Chlorohexane	11.945	91	187614	24.31	ug/L	97
77) Ethylbenzene	12.005	91	773747	22.85	ug/L	99
78) Chlorobenzene	12.012	112	466564	23.19	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	167820	24.24	ug/L	95
80) m,p-Xylene	12.146	91	1198067	47.18	ug/L	99
81) o-Xylene	12.591	91	582391	24.26	ug/L	99
82) Styrene	12.639	104	423868	24.20	ug/L	98
83) Bromoform	12.700	173	107089	24.32	ug/L	99
84) Isopropylbenzene	12.889	105	713047	24.06	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	58957	26.07	ug/L	95
88) n-Propylbenzene	13.310	91	815991	25.55	ug/L	99
89) Bromobenzene	13.334	156	205968	24.89	ug/L	97
90) 1,1,2,2-Tetrachloroethane	13.377	83	208991	24.45	ug/L	98
91) 1,3,5-Trimethylbenzene	13.493	105	594234	25.93	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 16:13:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

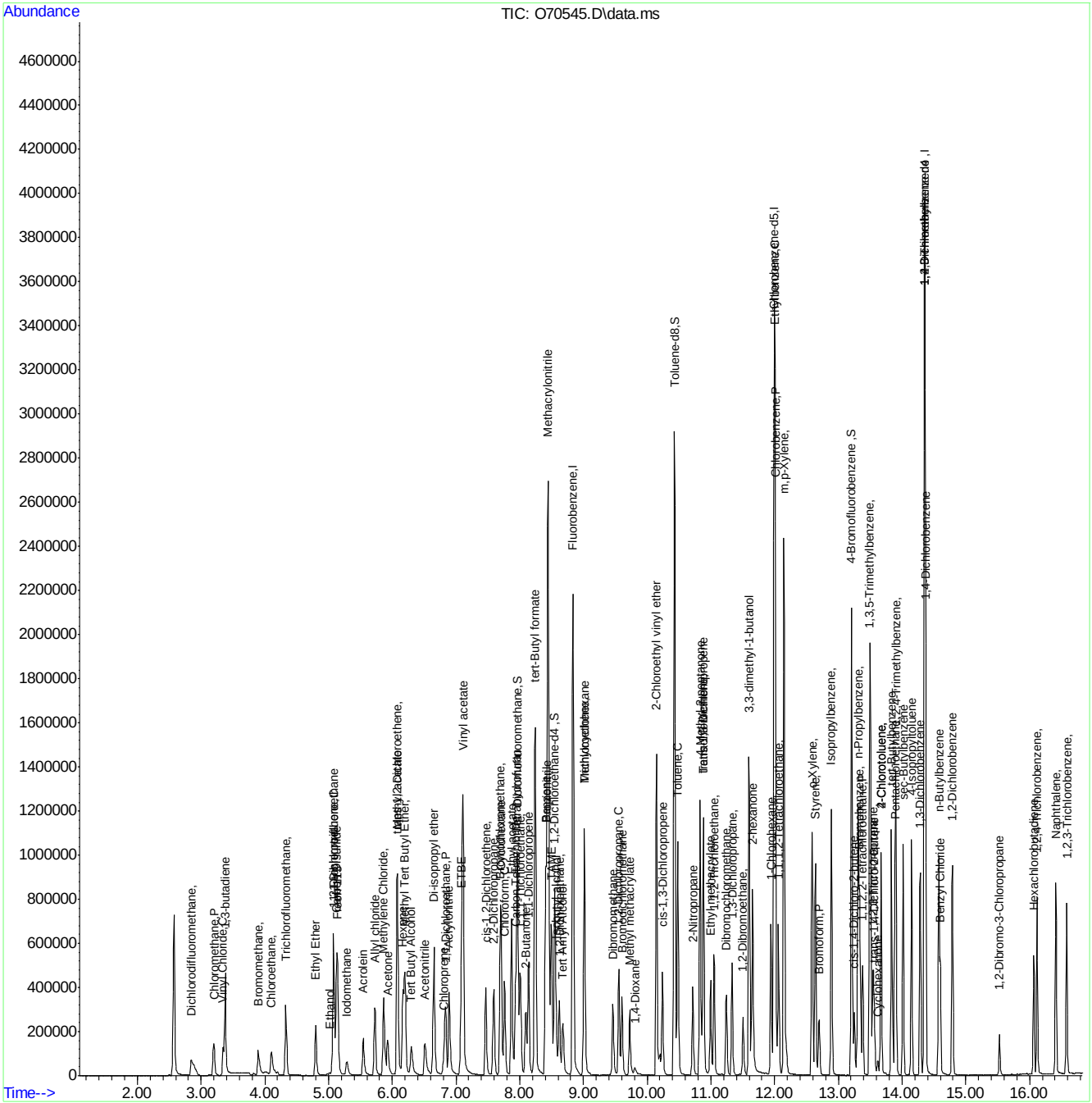
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92)	2-Chlorotoluene	13.670	91	506390	24.97	ug/L	99
93)	trans-1,4-Dichloro-2-B...	13.566	53	56617	26.55	ug/L	93
94)	1,2,3-Trichloropropane	13.542	110	67722	23.95	ug/L	98
95)	Cyclohexanone	13.615	55	26446	132.50	ug/L	97
96)	4-Chlorotoluene	13.670	91	506390	24.97	ug/L	99
97)	tert-Butylbenzene	13.834	91	315492	25.75	ug/L	100
99)	1,2,4-Trimethylbenzene	13.901	105	575016	25.94	ug/L	99
100)	Pentachloroethane	13.889	167	111696	27.36	ug/L	96
101)	sec-Butylbenzene	14.017	105	633316	25.95	ug/L	99
102)	4-Isopropyltoluene	14.151	119	561303	26.14	ug/L	98
103)	1,3-Dichlorobenzene	14.286	146	359340	25.12	ug/L	99
104)	1,2,3-Trimethylbenzene	14.359	105	599825	25.64	ug/L	98
105)	1,4-Dichlorobenzene	14.371	146	388271	25.19	ug/L	98
106)	n-Butylbenzene	14.578	92	276814	26.46	ug/L	98
107)	Benzyl Chloride	14.603	126	63664	25.75	ug/L	95
108)	1,2-Dichlorobenzene	14.792	146	345403	25.09	ug/L	98
109)	1,2-Dibromo-3-Chloropr...	15.529	75	32667	24.75	ug/L	92
110)	Hexachlorobutadiene	16.066	225	79768	27.83	ug/L	97
111)	1,2,4-Trichlorobenzene	16.121	180	207770	25.62	ug/L	97
112)	Naphthalene	16.413	128	557430	25.76	ug/L	99
113)	1,2,3-Trichlorobenzene	16.584	180	203741	25.30	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 16:13:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

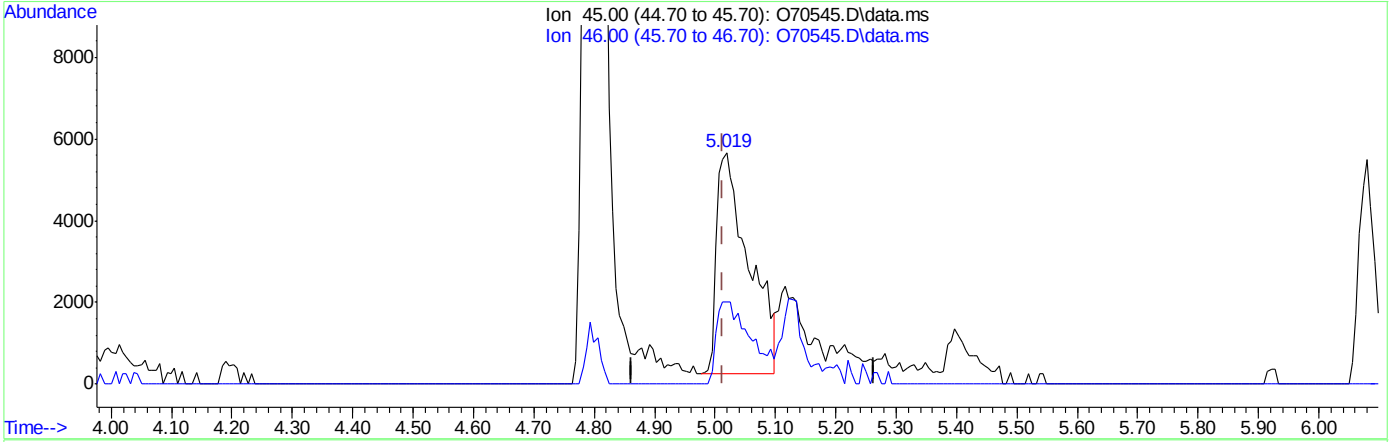
Sample Number: VO2796-IC2796
Lab FileID: O70545.D
Injection Time: 08/23/22 13:55
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

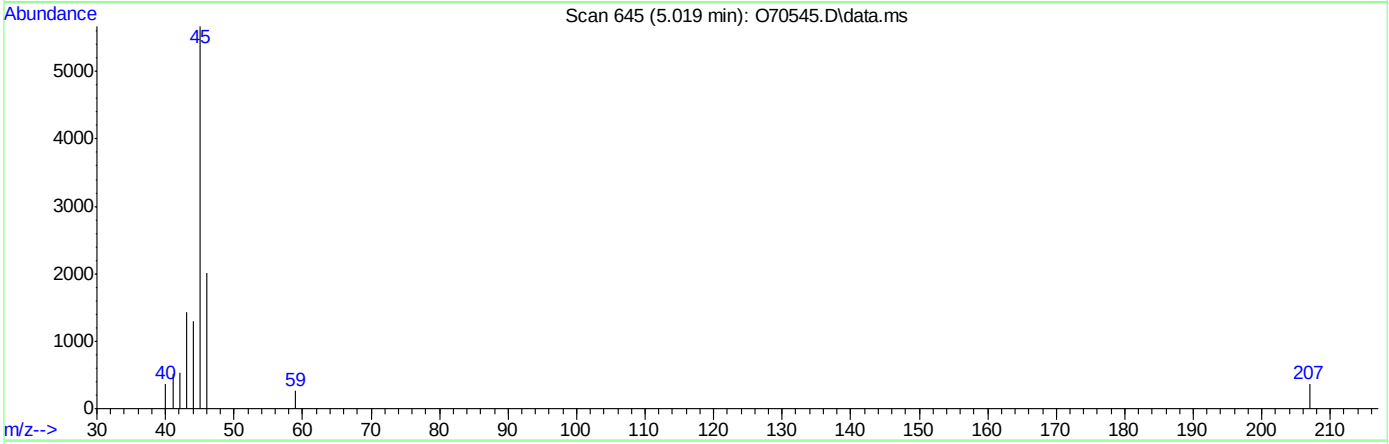
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.02	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(10) Ethanol

5.019min (+0.006) 360.71ug/L

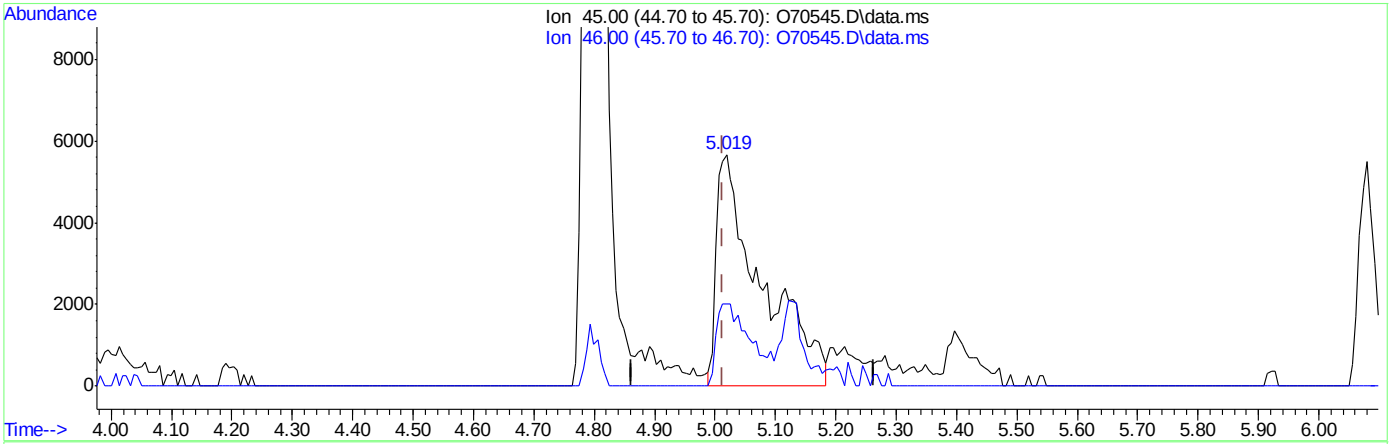
response 20208

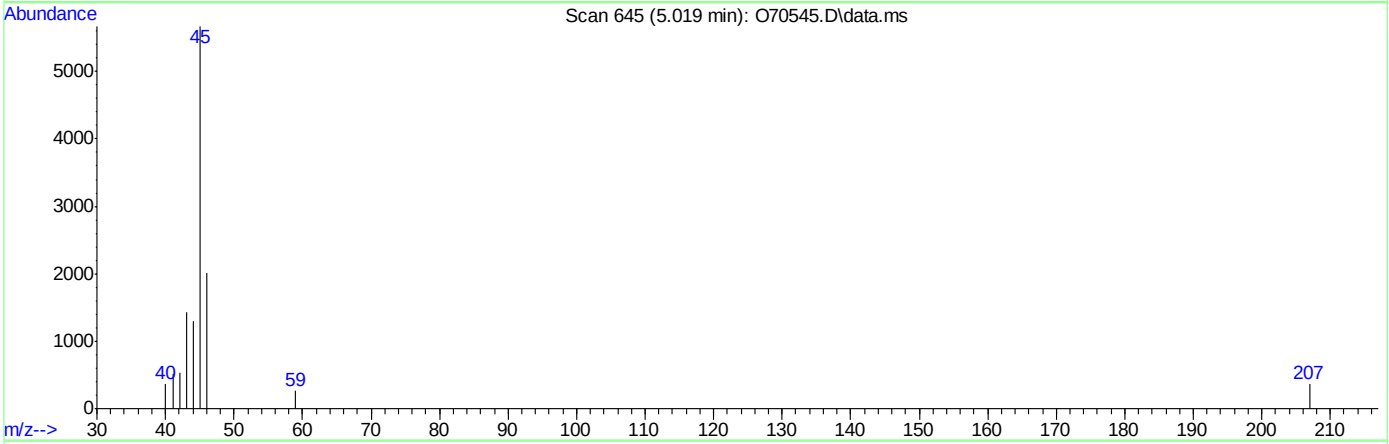
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	37.09
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(10) Ethanol

5.019min (+0.006) 526.44ug/L m

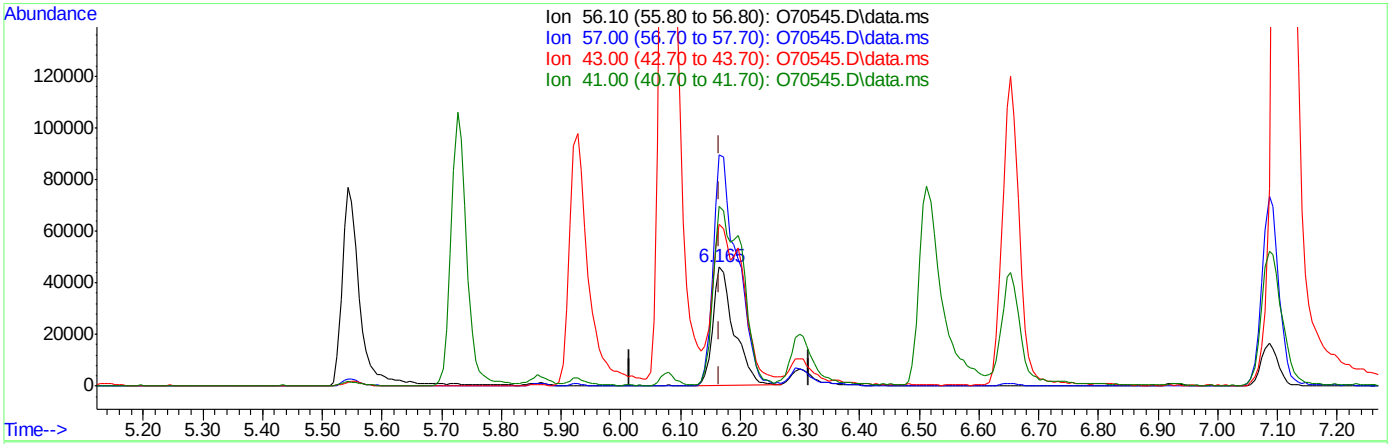
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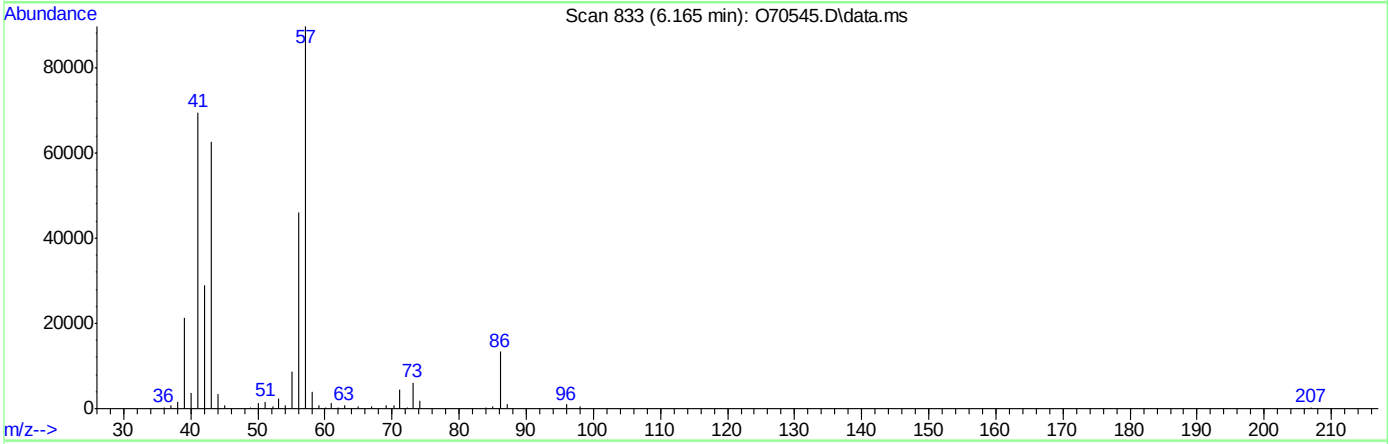
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	35.44
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(22) Hexane

6.165min (+0.000) 24.90ug/L

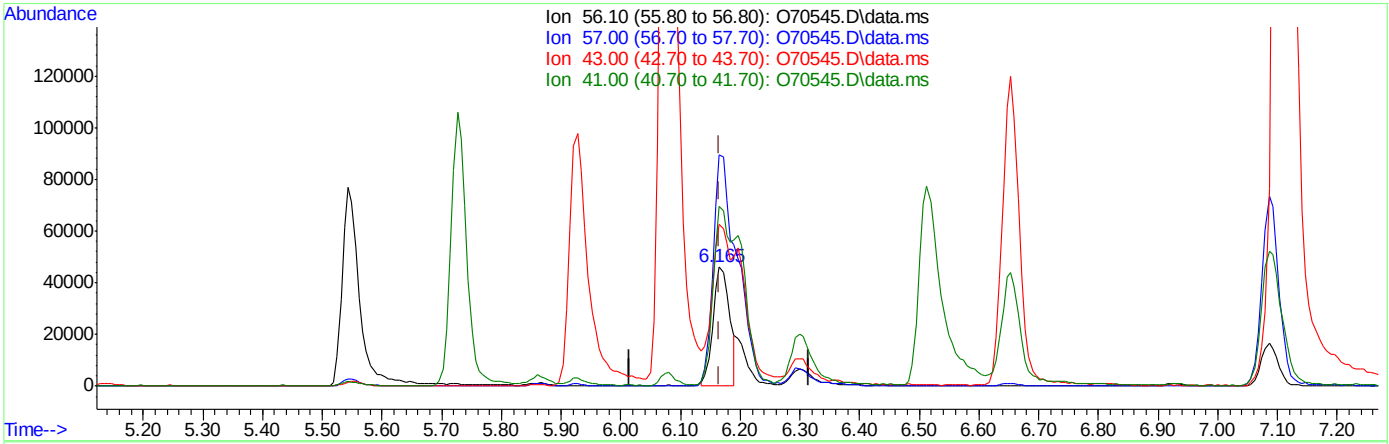
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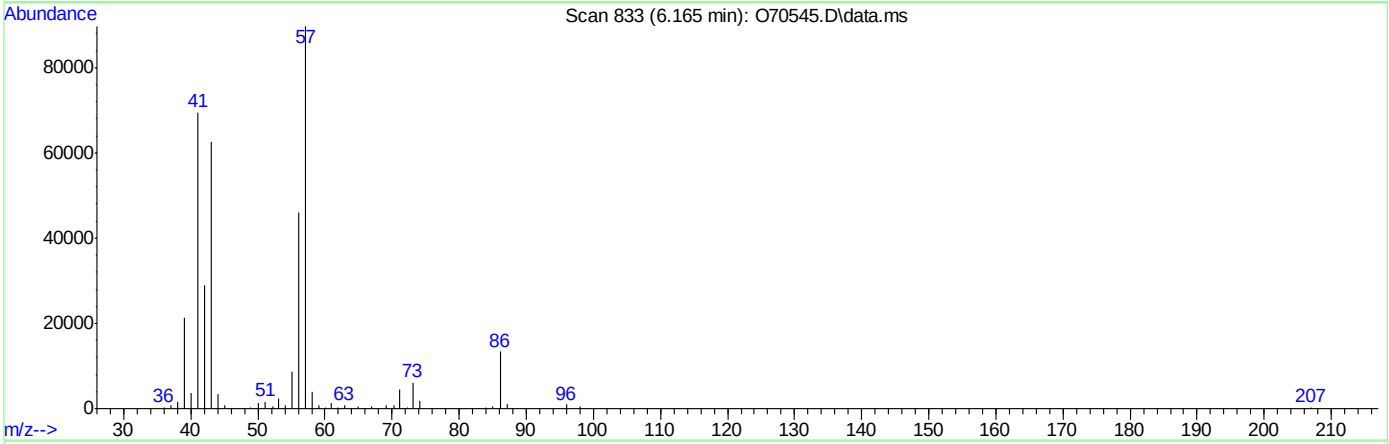
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	194.82
43.00	139.80	128.52
41.00	146.00	149.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(22) Hexane

6.165min (+0.000) 19.86ug/L m

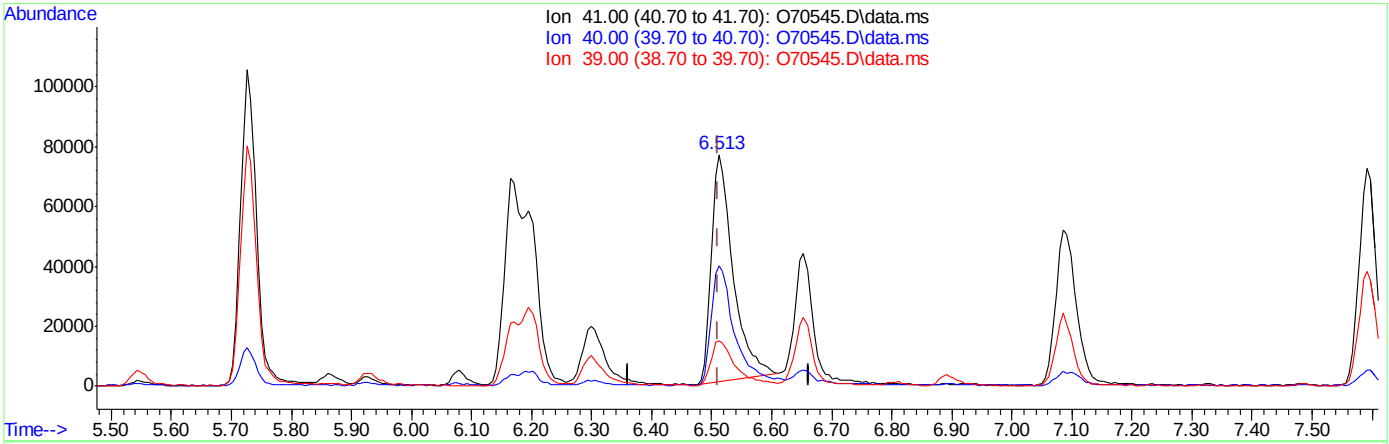
response 89321

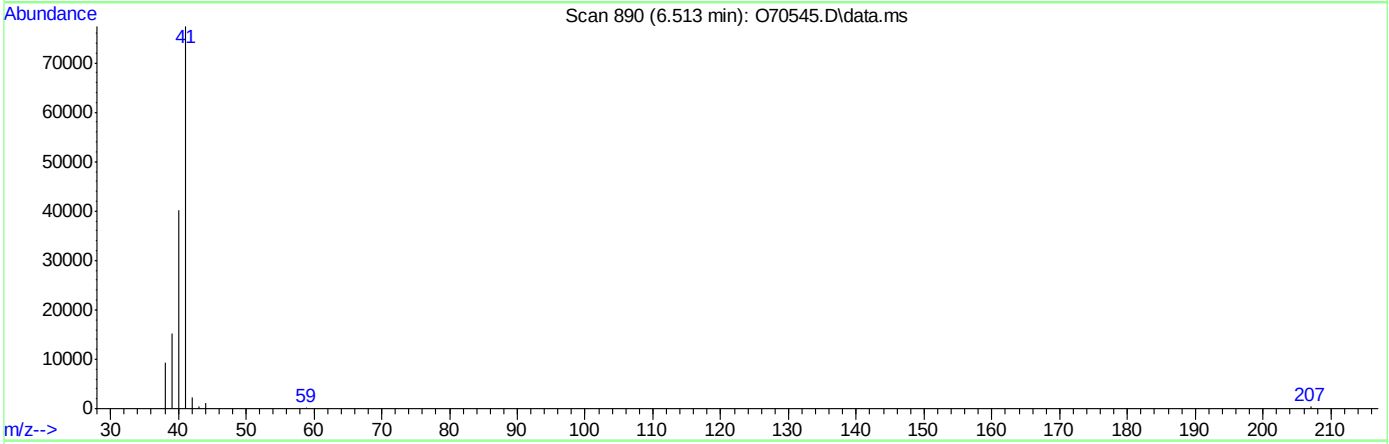
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	194.82
43.00	139.80	136.04
41.00	146.00	150.83

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 206.31ug/L

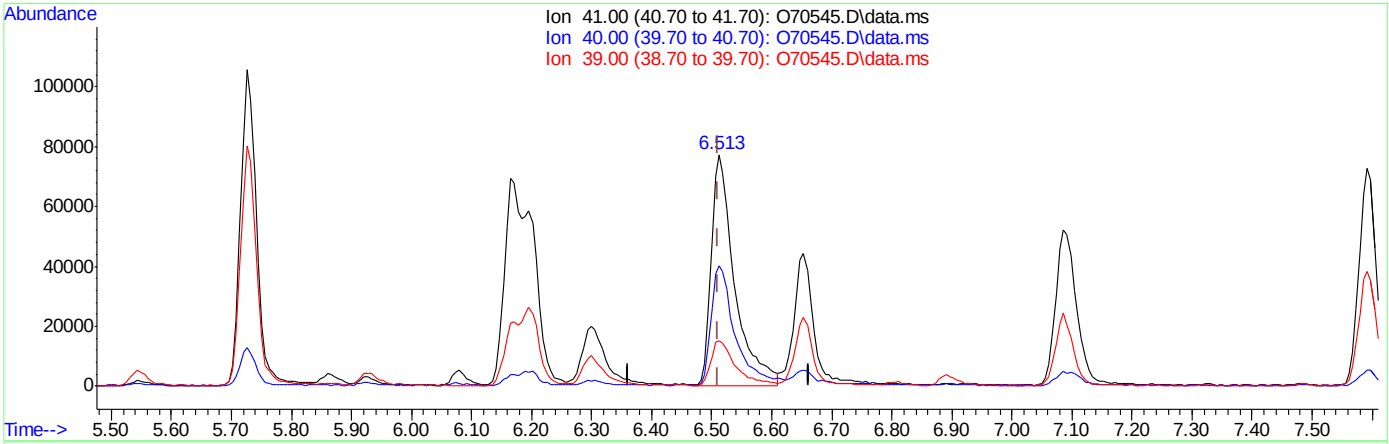
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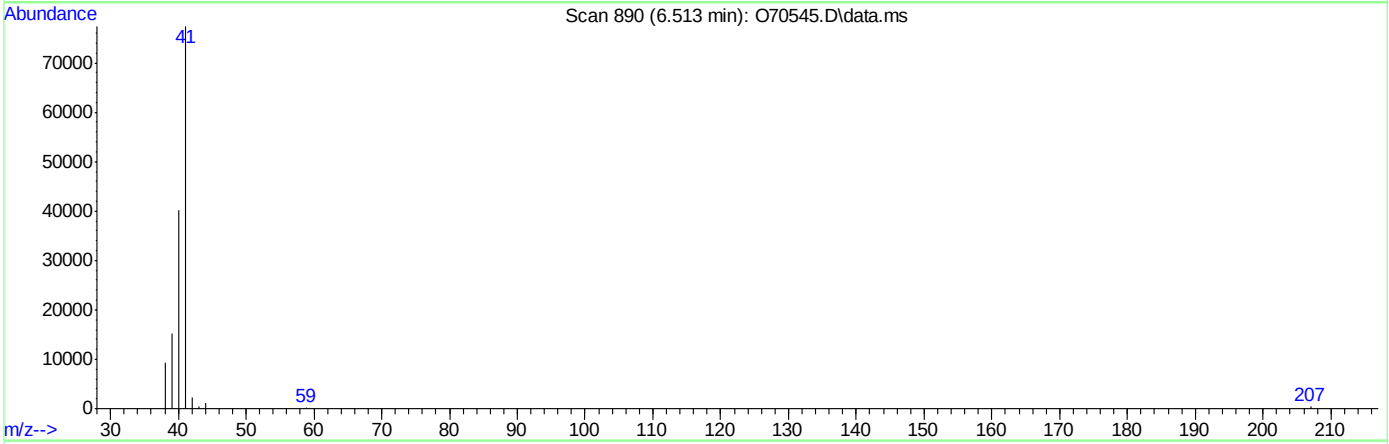
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	51.65
39.00	19.60	19.80
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70545.D
Acq On : 23 Aug 2022 1:55 pm
Operator : joannel
Sample : IC2796-4 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 14:55:53 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70545.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 226.23ug/L m

response 209539

Ion	Exp%	Act%
41.00	100	100
40.00	51.60	52.00
39.00	19.60	19.69
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:15:33 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1693712	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1341945	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	687478	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	483004	50.80	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.60%			
50) 1,2-Dichloroethane-d4	8.549	65	483882	49.47	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.94%			
63) Toluene-d8	10.426	98	1677849	54.30	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 108.60%			
86) 4-Bromofluorobenzene	13.206	174	550232	51.36	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.72%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	236088	29.67	ug/L	99
3) Chloromethane	3.196	50	261099	31.97	ug/L	99
4) 1,3-butadiene	3.379	39	262867	35.24	ug/L	98
5) Vinyl Chloride	3.349	62	297402	33.47	ug/L	99
6) Bromomethane	3.897	94	147447	40.18	ug/L	98
7) Chloroethane	4.104	64	194673	35.18	ug/L	98
8) Trichlorofluoromethane	4.330	101	439628	34.91	ug/L	100
9) Ethyl Ether	4.799	59	199872	31.37	ug/L	96
10) Ethanol	5.013	45	49830m	900.14	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	262598	31.69	ug/L	98
12) 1,1-Dichloroethene	5.080	61	376573	32.45	ug/L	100
13) Freon 113	5.141	101	254093	32.47	ug/L	94
14) Carbon Disulfide	5.123	76	717985	35.33	ug/L	99
15) Iodomethane	5.287	142	181880	39.42	ug/L	99
16) Acrolein	5.543	56	237165	174.85	ug/L	99
17) Allyl chloride	5.726	41	336721	36.43	ug/L	98
18) Methylene Chloride	5.866	49	347024	30.16	ug/L	99
19) Acetone	5.921	43	364332	143.41	ug/L	98
20) Methyl acetate	6.074	43	951085	151.12	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	372809	32.77	ug/L	98
22) Hexane	6.165	56	158211m	35.58	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	635962	30.66	ug/L	99
24) Tert Butyl Alcohol	6.299	59	216563	277.72	ug/L	97
25) Acetonitrile	6.513	41	345805m	377.83	ug/L	
26) Di-isopropyl ether	6.653	45	751407	32.89	ug/L	99
27) Chloroprene	6.805	53	75033	7.02	ug/L	96
28) 1,1-Dichloroethane	6.836	63	457123	31.75	ug/L	98
29) Acrylonitrile	6.891	52	455324	186.96	ug/L	99
30) ETBE	7.086	59	736397	32.53	ug/L	99
31) Vinyl acetate	7.104	43	2951013	184.34	ug/L	99
32) cis-1,2-Dichloroethene	7.464	96	269634	32.24	ug/L	100
33) 2,2-Dichloropropane	7.592	77	371460	35.08	ug/L	97
34) Bromochloromethane	7.695	128	148737	31.85	ug/L	97
35) Cyclohexane	7.707	56	404250	33.29	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:15:33 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	473409	32.41	ug/L	98
37) Ethyl acetate	7.866	43	1363313	178.12	ug/L	100
38) Tetrahydrofuran	7.957	42	75651	29.80	ug/L	93
40) Carbon Tetrachloride	7.933	117	387080	33.95	ug/L	99
41) 1,1,1-Trichloroethane	8.006	97	438503	33.44	ug/L	100
42) 2-Butanone	8.092	43	574880	147.07	ug/L	99
43) 1,1-Dichloropropene	8.140	75	358811	33.00	ug/L	98
44) tert-Butyl formate	8.244	59	823414	177.69	ug/L	97
45) Propionitrile	8.421	54	431732	326.19	ug/L	95
46) Methacrylonitrile	8.445	41	2003917	336.26	ug/L	99
47) Benzene	8.409	78	1001414	31.89	ug/L	98
48) TAME	8.494	73	631250	29.31	ug/L	97
49) Isobutyl alcohol	8.567	43	175476	596.60	ug/L	98
51) 1,2-Dichloroethane	8.622	62	379823	31.54	ug/L	99
52) Tert Amyl Alcohol	8.677	59	148243	269.01	ug/L	99
53) Trichloroethene	9.012	95	285838	32.12	ug/L	96
54) Methylcyclohexane	9.012	83	345330	34.85	ug/L	98
55) Dibromomethane	9.457	93	168439	30.39	ug/L	98
56) 1,2-Dichloropropane	9.555	63	255973	32.60	ug/L	98
57) Bromodichloromethane	9.603	83	326817	33.38	ug/L	98
58) Methyl methacrylate	9.725	41	232578	34.40	ug/L	99
59) 1,4-Dioxane	9.805	88	44043	600.99	ug/L	99
60) 2-Chloroethyl vinyl ether	10.146	63	855339	161.40	ug/L	99
61) cis-1,3-Dichloropropene	10.237	75	374823	34.73	ug/L	99
64) Toluene	10.481	91	1085163	36.24	ug/L	100
65) 2-Nitropropane	10.713	41	342184	205.28	ug/L	99
66) 4-Methyl-2-pentanone	10.829	43	1233248	173.08	ug/L	100
67) trans-1,3-Dichloropropene	10.884	75	333969	36.65	ug/L	91
68) Tetrachloroethene	10.878	166	325391	37.16	ug/L	97
69) Ethyl methacrylate	10.993	69	333844	39.07	ug/L	98
70) 1,1,2-Trichloroethane	11.048	83	194945	36.15	ug/L	99
71) Dibromochloromethane	11.243	129	284190	39.20	ug/L	100
72) 1,3-Dichloropropane	11.335	76	398938	36.12	ug/L	99
73) 1,2-Dibromoethane	11.506	107	253830	36.67	ug/L	100
74) 3,3-dimethyl-1-butanol	11.597	57	867724	1464.54	ug/L	100
75) 2-hexanone	11.652	43	850130	172.29	ug/L	98
76) 1-Chlorohexane	11.944	91	312728	40.65	ug/L	98
77) Ethylbenzene	12.005	91	1252877	37.12	ug/L	100
78) Chlorobenzene	12.012	112	732488	36.53	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	266063	38.55	ug/L	99
80) m,p-Xylene	12.146	91	1933561	76.39	ug/L	100
81) o-Xylene	12.585	91	932646	38.96	ug/L	97
82) Styrene	12.639	104	696381	39.89	ug/L	99
83) Bromoform	12.700	173	174688	37.93	ug/L	97
84) Isopropylbenzene	12.889	105	1158488	39.22	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	101496	45.71	ug/L	92
88) n-Propylbenzene	13.310	91	1318096	42.02	ug/L	99
89) Bromobenzene	13.334	156	323478	39.80	ug/L	96
90) 1,1,2,2-Tetrachloroethane	13.377	83	319321	38.04	ug/L	98
91) 1,3,5-Trimethylbenzene	13.493	105	963283	42.82	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:15:33 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

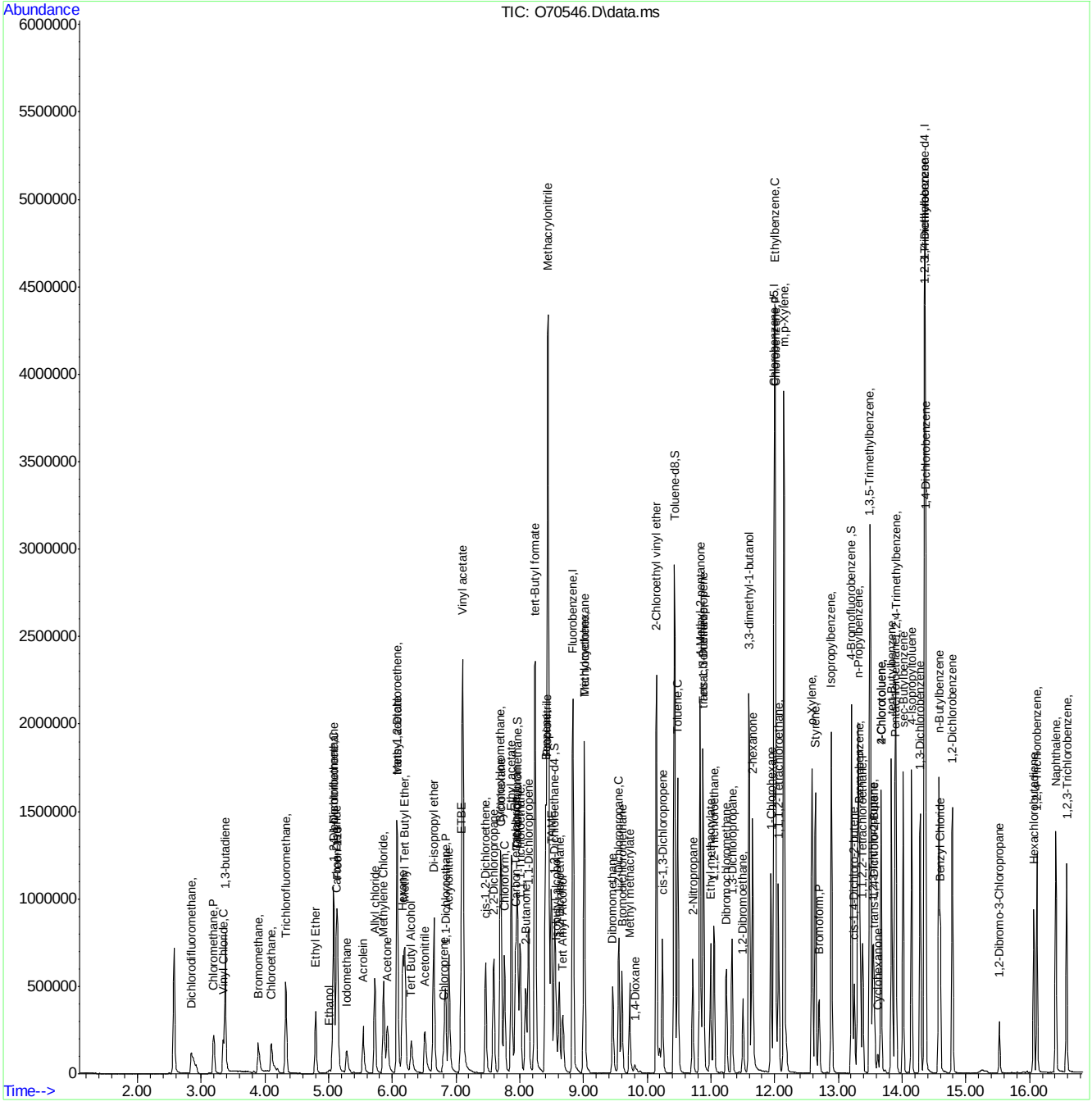
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	816349	40.99	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.560	53	89667	42.82	ug/L	#	76
94) 1,2,3-Trichloropropane	13.542	110	104052	37.47	ug/L		98
95) Cyclohexanone	13.621	55	40786	207.80	ug/L		98
96) 4-Chlorotoluene	13.670	91	816349	40.99	ug/L		100
97) tert-Butylbenzene	13.834	91	505480	42.01	ug/L		100
99) 1,2,4-Trimethylbenzene	13.901	105	924934	42.49	ug/L		98
100) Pentachloroethane	13.889	167	196327	48.98	ug/L		99
101) sec-Butylbenzene	14.017	105	1028098	42.90	ug/L		99
102) 4-Isopropyltoluene	14.151	119	921517	43.71	ug/L		100
103) 1,3-Dichlorobenzene	14.285	146	561264	39.96	ug/L		100
104) 1,2,3-Trimethylbenzene	14.359	105	943019	41.06	ug/L		98
105) 1,4-Dichlorobenzene	14.371	146	613231	40.53	ug/L		99
106) n-Butylbenzene	14.578	92	459340	44.71	ug/L		100
107) Benzyl Chloride	14.602	126	108484	44.68	ug/L		98
108) 1,2-Dichlorobenzene	14.791	146	540710	40.00	ug/L		98
109) 1,2-Dibromo-3-Chloropr...	15.529	75	52053	40.16	ug/L		92
110) Hexachlorobutadiene	16.066	225	134454	48.53	ug/L		95
111) 1,2,4-Trichlorobenzene	16.120	180	333301	41.85	ug/L		97
112) Naphthalene	16.413	128	884678	40.56	ug/L		100
113) 1,2,3-Trichlorobenzene	16.584	180	323031	40.85	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:15:33 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

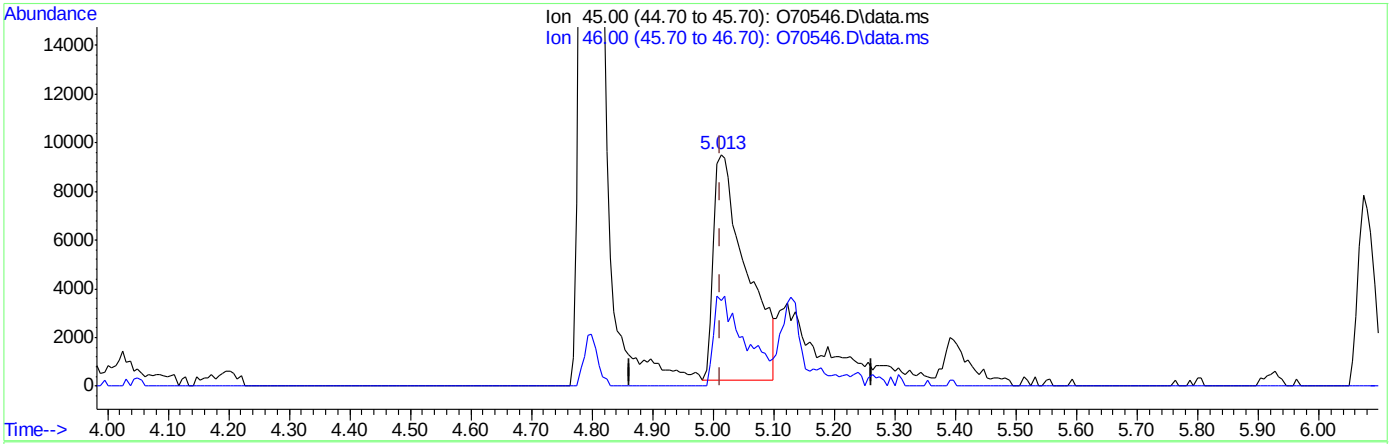
Sample Number: VO2796-ICC2796
Lab FileID: O70546.D
Injection Time: 08/23/22 15:09
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

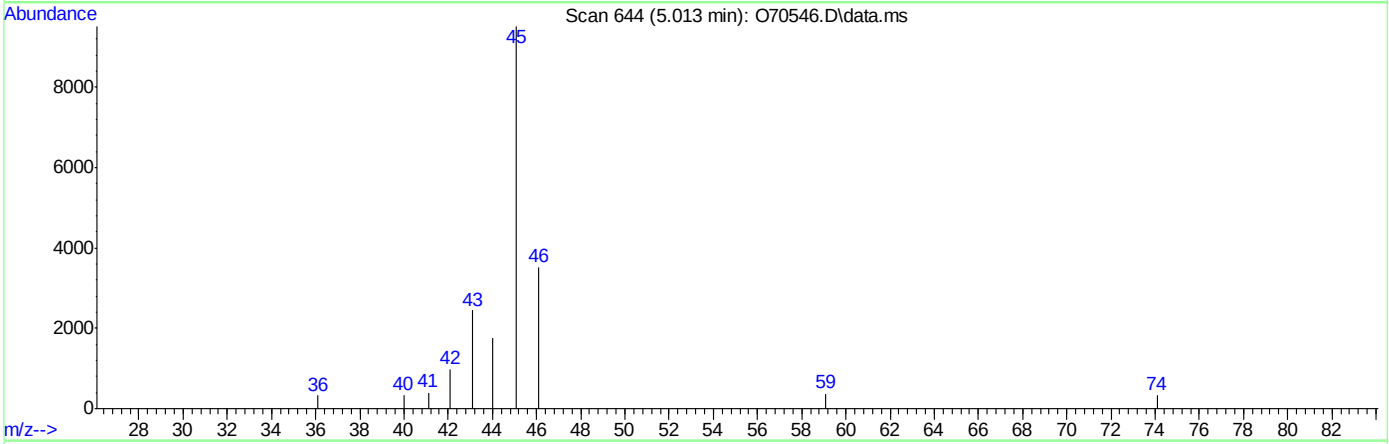
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(10) Ethanol

5.013min (-0.000) 622.74ug/L

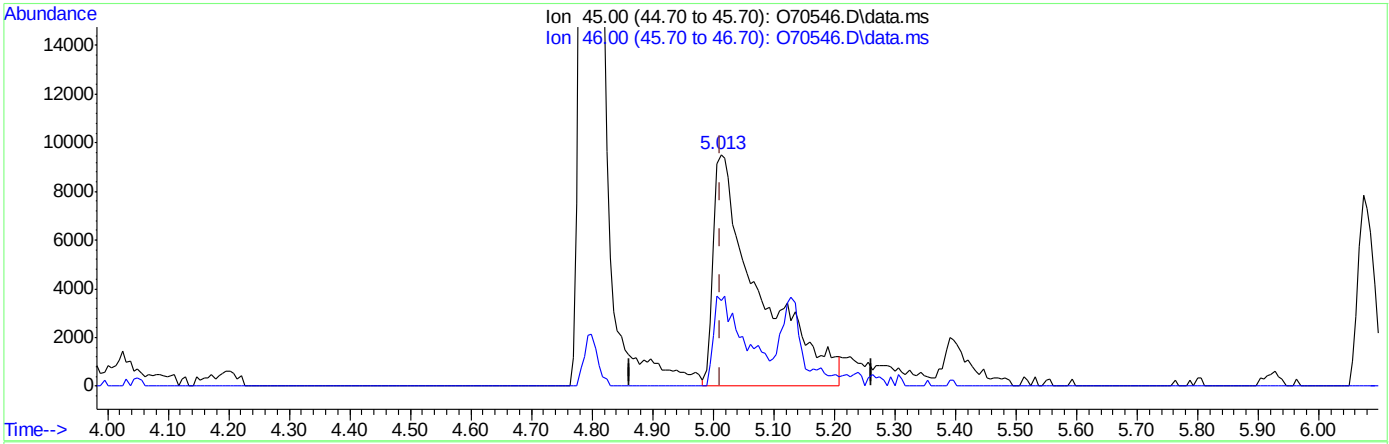
response 34474

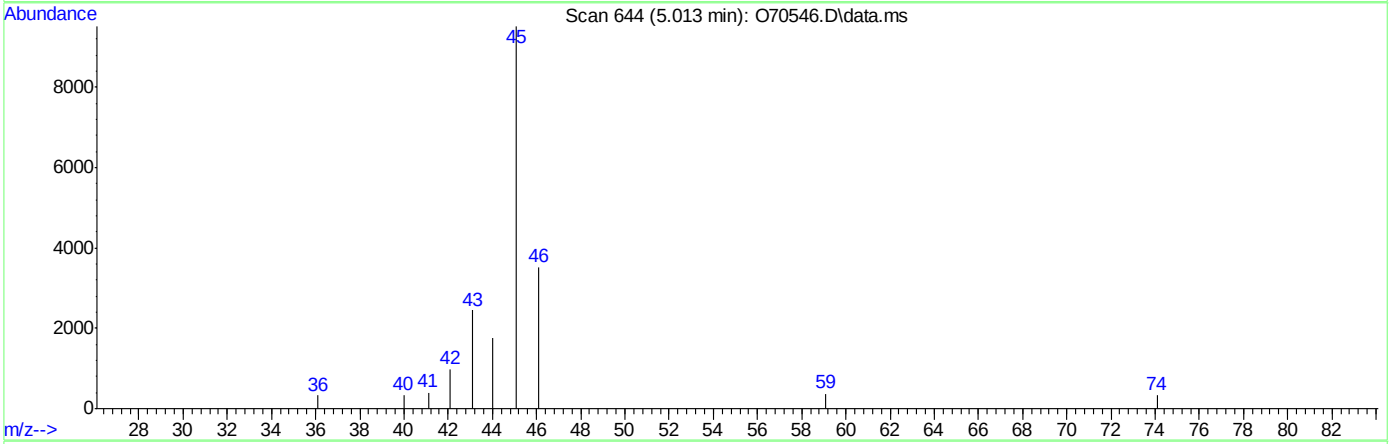
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	38.11
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(10) Ethanol

5.013min (-0.000) 900.14ug/L m

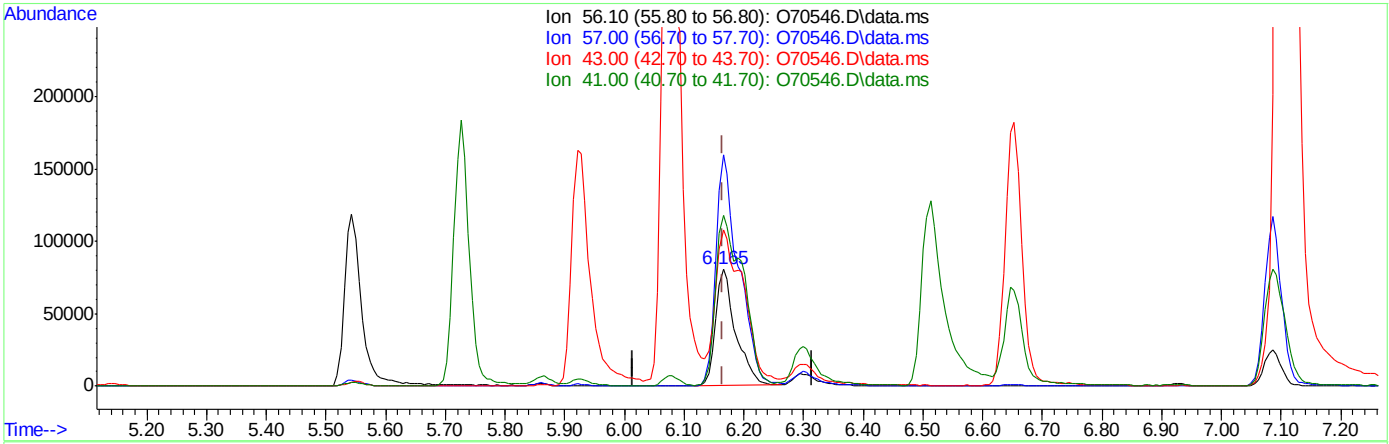
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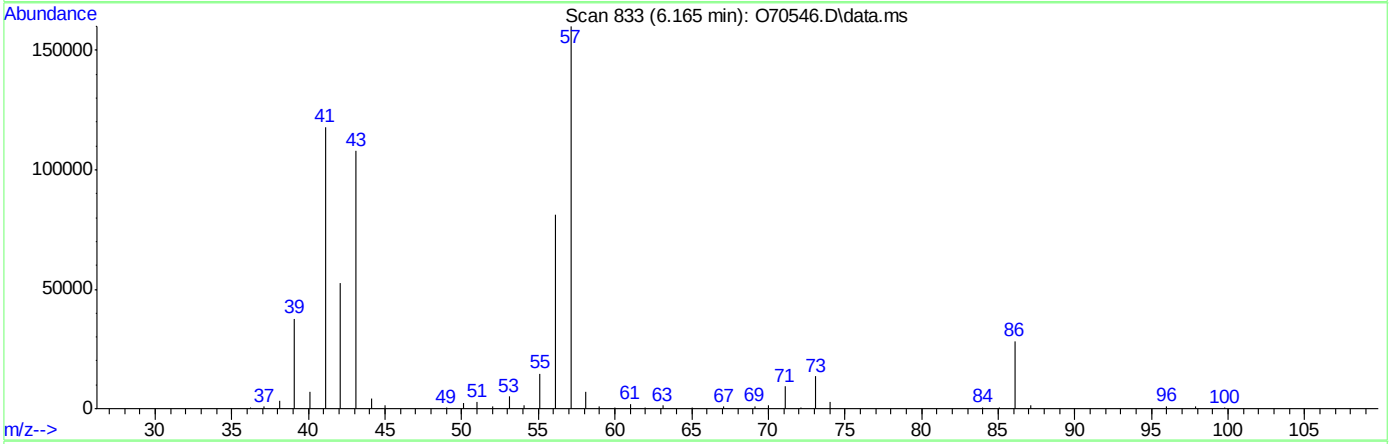
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	37.04
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(22) Hexane

6.165min (+0.000) 42.06ug/L

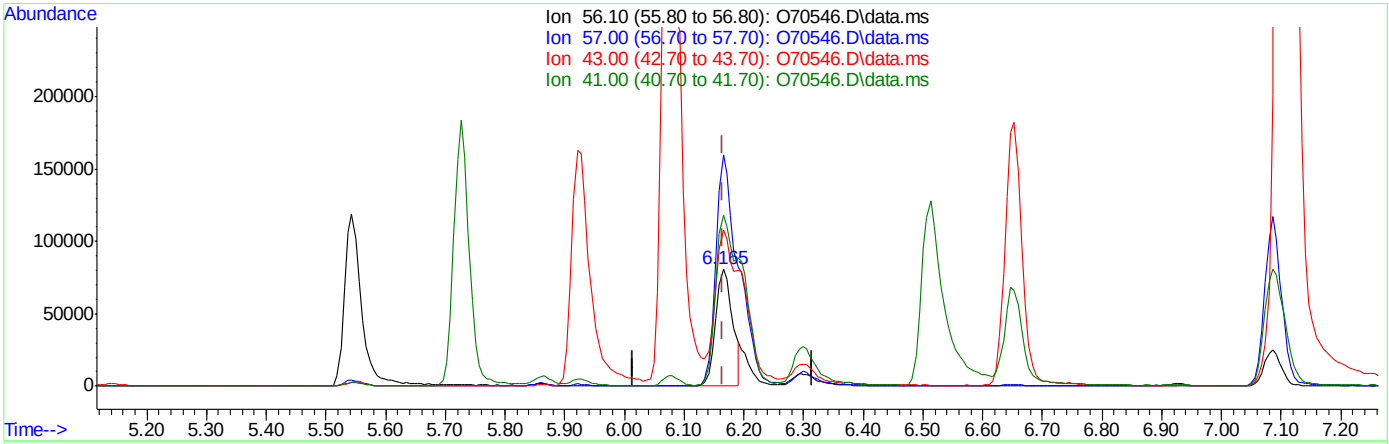
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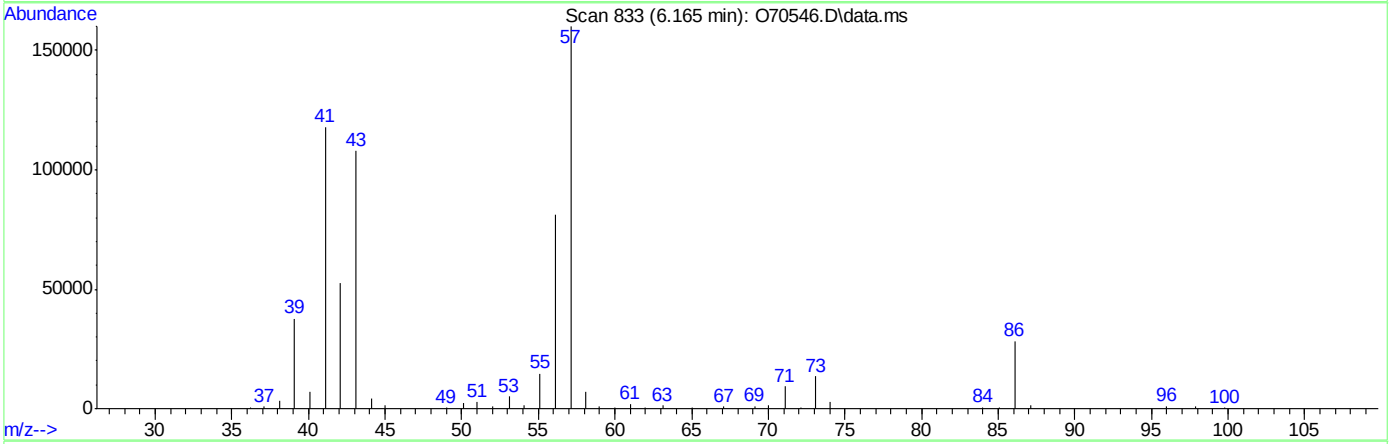
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	197.55
43.00	139.80	127.09
41.00	146.00	144.88

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(22) Hexane

6.165min (+0.000) 35.58ug/L m

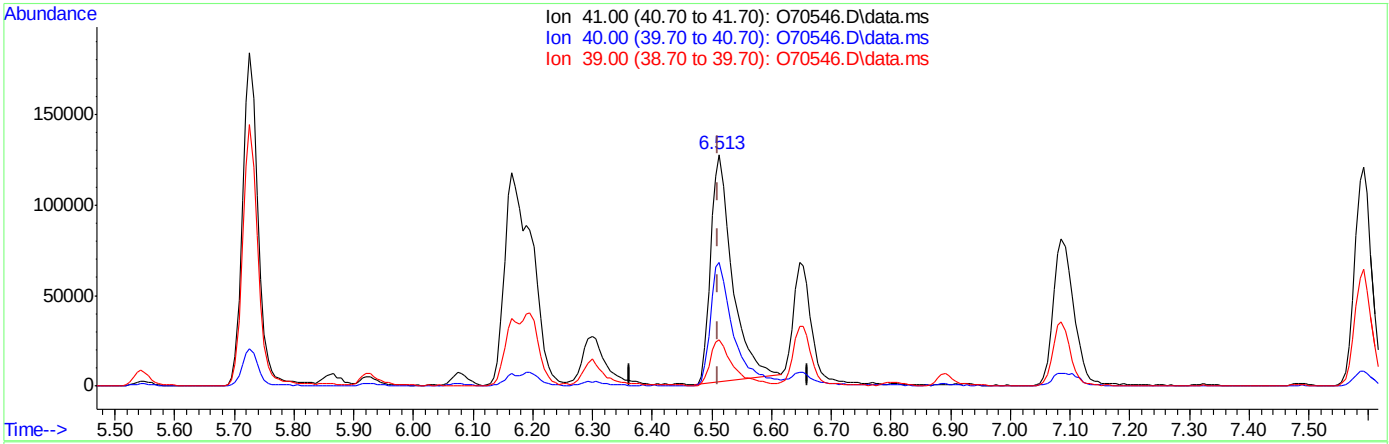
response 158211

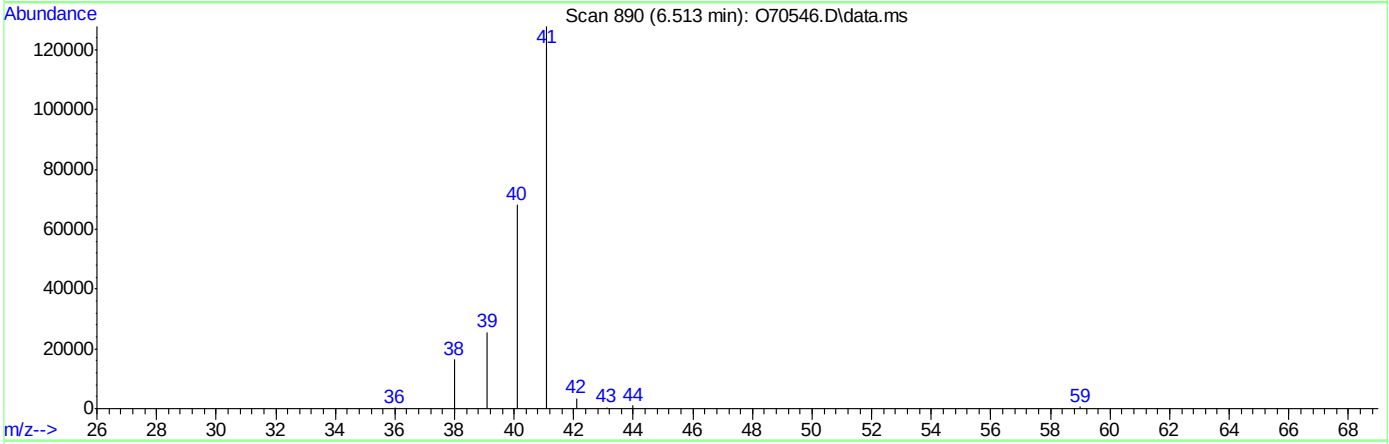
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	197.55
43.00	139.80	133.14
41.00	146.00	145.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 343.48ug/L

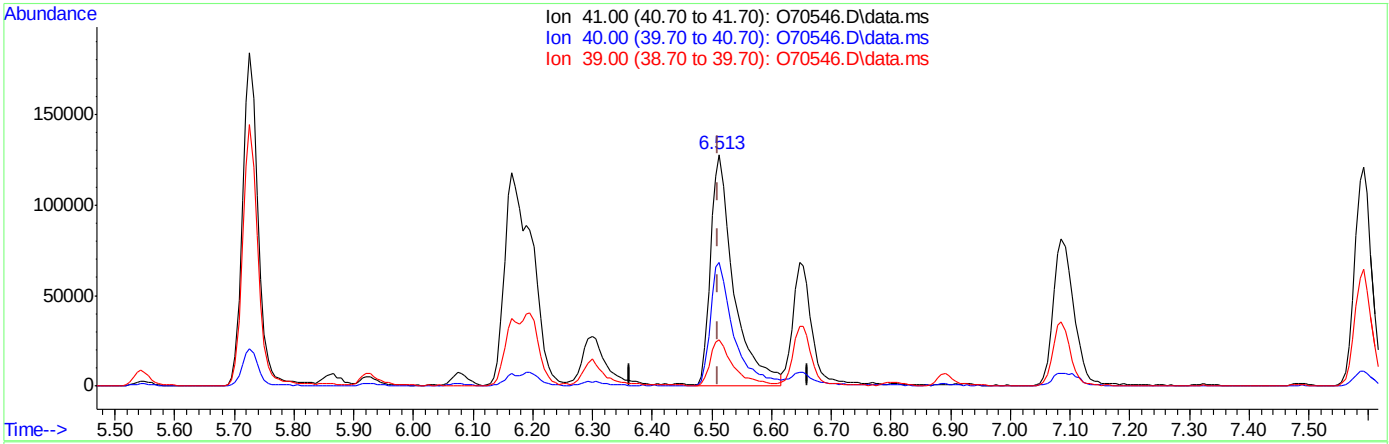
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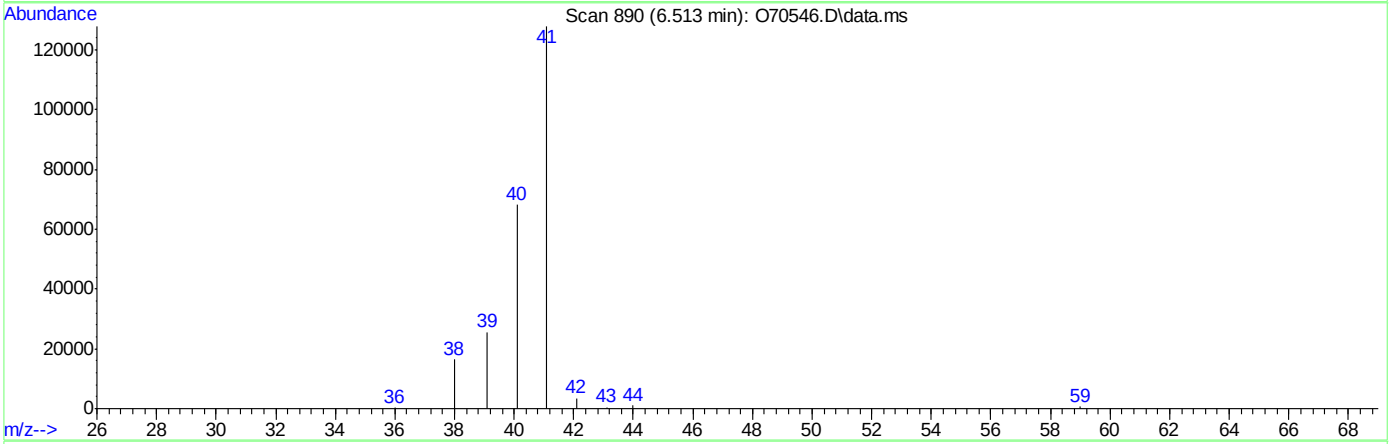
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.31
39.00	19.60	19.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70546.D
Acq On : 23 Aug 2022 3:09 pm
Operator : joannel
Sample : ICC2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 23 16:05:16 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70546.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 377.83ug/L m

response 345805

Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.25
39.00	19.60	20.01
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:17:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1774991	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1420892	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	729530	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	507914	50.98	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.96%			
50) 1,2-Dichloroethane-d4	8.549	65	508654	49.62	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.24%			
63) Toluene-d8	10.426	98	1761030	53.82	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 107.64%			
86) 4-Bromofluorobenzene	13.206	174	580200	51.03	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.06%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	419027	50.24	ug/L	97
3) Chloromethane	3.196	50	465853	54.44	ug/L	100
4) 1,3-butadiene	3.373	39	435242	55.67	ug/L	97
5) Vinyl Chloride	3.349	62	523489	56.22	ug/L	99
6) Bromomethane	3.897	94	260528	65.13	ug/L	98
7) Chloroethane	4.098	64	325528	63.84	ug/L	99
8) Trichlorofluoromethane	4.324	101	790284	59.88	ug/L	100
9) Ethyl Ether	4.799	59	389611	58.35	ug/L	98
10) Ethanol	5.013	45	89218m	1537.85	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	505274	58.19	ug/L	97
12) 1,1-Dichloroethene	5.080	61	722170	59.39	ug/L	99
13) Freon 113	5.141	101	472431	57.61	ug/L	92
14) Carbon Disulfide	5.123	76	1388933	62.17	ug/L	99
15) Iodomethane	5.281	142	425826	71.03	ug/L	98
16) Acrolein	5.543	56	487549	342.98	ug/L	100
17) Allyl chloride	5.726	41	599987	60.16	ug/L	96
18) Methylene Chloride	5.860	49	650084	53.91	ug/L	98
19) Acetone	5.921	43	714468	268.35	ug/L	100
20) Methyl acetate	6.074	43	1875936	284.43	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	714355	59.91	ug/L	98
22) Hexane	6.165	56	304364m	65.24	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	1238505	56.97	ug/L	98
24) Tert Butyl Alcohol	6.305	59	436144	533.71	ug/L	96
25) Acetonitrile	6.513	41	598000m	623.47	ug/L	
26) Di-isopropyl ether	6.653	45	1472092	61.49	ug/L	99
27) Chloroprene	6.805	53	132275	11.80	ug/L	99
28) 1,1-Dichloroethane	6.830	63	874950	57.99	ug/L	99
29) Acrylonitrile	6.891	52	804415	315.18	ug/L	99
30) ETBE	7.086	59	1463314	61.69	ug/L	99
31) Vinyl acetate	7.110	43	5276193	314.49	ug/L	100
32) cis-1,2-Dichloroethene	7.464	96	516098	58.89	ug/L	98
33) 2,2-Dichloropropane	7.592	77	714356	64.38	ug/L	99
34) Bromochloromethane	7.695	128	287067	58.65	ug/L	99
35) Cyclohexane	7.707	56	783431	61.55	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:17:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	905497	59.15	ug/L	99
37) Ethyl acetate	7.872	43	2423664	302.16	ug/L	99
38) Tetrahydrofuran	7.957	42	147345	54.02	ug/L	97
40) Carbon Tetrachloride	7.933	117	739569	61.90	ug/L	100
41) 1,1,1-Trichloroethane	8.006	97	829305	60.35	ug/L	99
42) 2-Butanone	8.092	43	1146295	279.83	ug/L	100
43) 1,1-Dichloropropene	8.140	75	675182	59.25	ug/L	98
44) tert-Butyl formate	8.244	59	1734388	327.68	ug/L	94
45) Propionitrile	8.421	54	779841	562.22	ug/L	95
46) Methacrylonitrile	8.445	41	3559146	569.89	ug/L	99
47) Benzene	8.409	78	1930606	58.66	ug/L	99
48) TAME	8.494	73	1240586	54.97	ug/L	99
49) Isobutyl alcohol	8.567	43	318077	998.07	ug/L	97
51) 1,2-Dichloroethane	8.622	62	725453	57.49	ug/L	98
52) Tert Amyl Alcohol	8.677	59	313893	543.53	ug/L	96
53) Trichloroethene	9.012	95	543128	58.24	ug/L	95
54) Methylcyclohexane	9.012	83	662169	63.76	ug/L	99
55) Dibromomethane	9.457	93	327493	56.38	ug/L	96
56) 1,2-Dichloropropane	9.555	63	495267	60.19	ug/L	99
57) Bromodichloromethane	9.603	83	644804	62.84	ug/L	100
58) Methyl methacrylate	9.725	41	429802	57.18	ug/L	98
59) 1,4-Dioxane	9.805	88	81223	1059.47	ug/L	96
60) 2-Chloroethyl vinyl ether	10.146	63	1768610	298.90	ug/L	99
61) cis-1,3-Dichloropropene	10.237	75	743735	65.75	ug/L	98
64) Toluene	10.481	91	2096823	66.14	ug/L	99
65) 2-Nitropropane	10.713	41	704944	399.41	ug/L	99
66) 4-Methyl-2-pentanone	10.829	43	2482425	323.43	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	664264	68.85	ug/L	91
68) Tetrachloroethene	10.884	166	625969	67.52	ug/L	99
69) Ethyl methacrylate	10.993	69	612226	64.60	ug/L	97
70) 1,1,2-Trichloroethane	11.048	83	374391	65.57	ug/L	97
71) Dibromochloromethane	11.243	129	566996	73.86	ug/L	99
72) 1,3-Dichloropropane	11.335	76	763779	65.31	ug/L	99
73) 1,2-Dibromoethane	11.505	107	491221	67.03	ug/L	99
74) 3,3-dimethyl-1-butanol	11.597	57	1962564	2835.97	ug/L	99
75) 2-hexanone	11.652	43	1716567	328.55	ug/L	99
76) 1-Chlorohexane	11.944	91	617928	75.85	ug/L	99
77) Ethylbenzene	12.005	91	2434869	68.13	ug/L	99
78) Chlorobenzene	12.011	112	1425239	67.12	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	527013	72.12	ug/L	100
80) m,p-Xylene	12.146	91	3776371	140.90	ug/L	99
81) o-Xylene	12.585	91	1816707	71.68	ug/L	97
82) Styrene	12.639	104	1398201	75.64	ug/L	99
83) Bromoform	12.700	173	362274	67.46	ug/L	98
84) Isopropylbenzene	12.889	105	2241466	71.67	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	190619	80.89	ug/L	92
88) n-Propylbenzene	13.310	91	2549933	76.61	ug/L	99
89) Bromobenzene	13.334	156	624950	72.47	ug/L	99
90) 1,1,2,2-Tetrachloroethane	13.377	83	617405	69.32	ug/L	97
91) 1,3,5-Trimethylbenzene	13.493	105	1883270	78.88	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:17:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

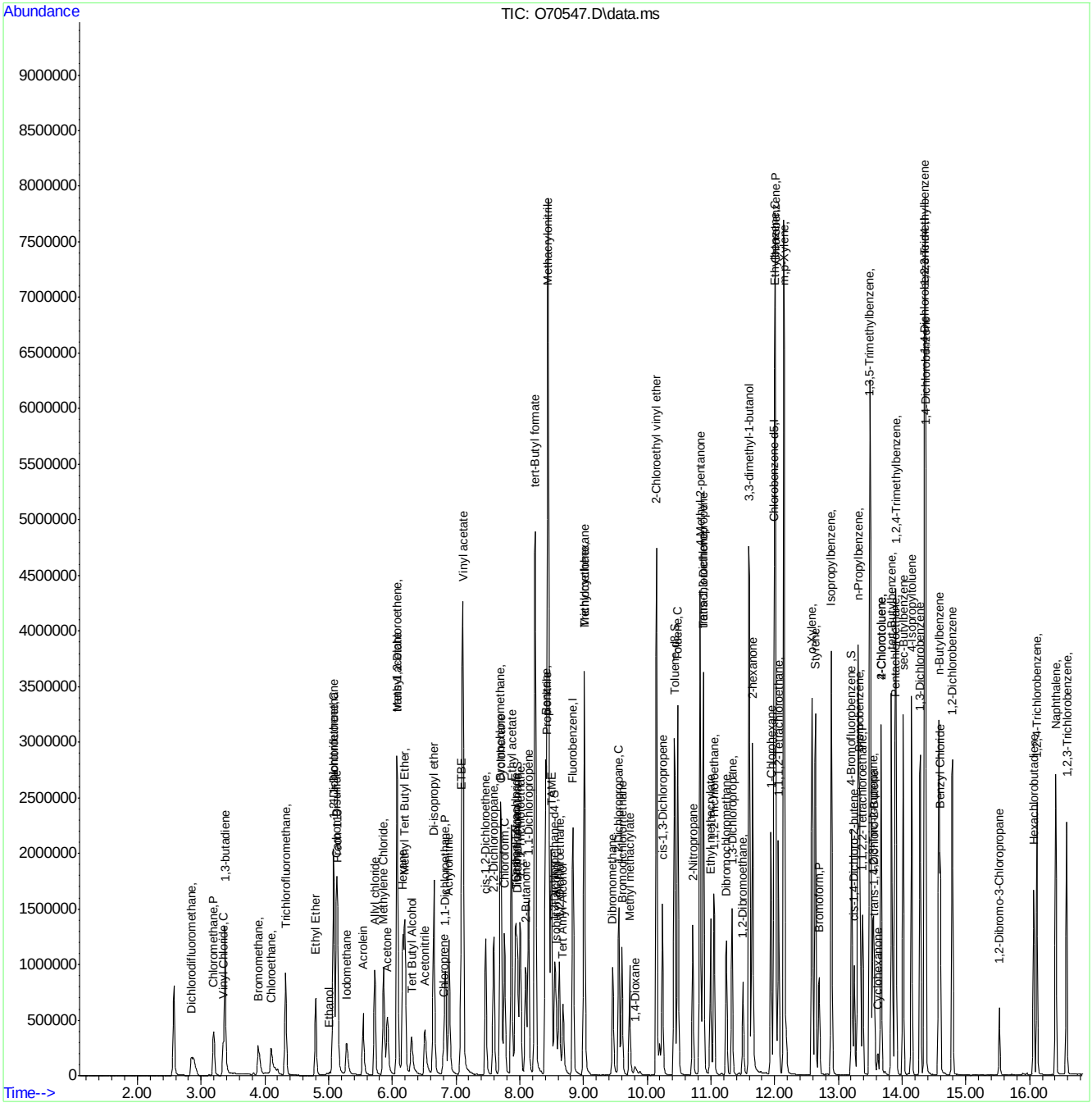
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	13.670	91	1584615	74.99	ug/L		99
93)	trans-1,4-Dichloro-2-B...	13.566	53	178003	80.11	ug/L		97
94)	1,2,3-Trichloropropane	13.542	110	200025	67.88	ug/L		98
95)	Cyclohexanone	13.621	55	73032	349.65	ug/L		95
96)	4-Chlorotoluene	13.670	91	1584615	74.99	ug/L		99
97)	tert-Butylbenzene	13.834	91	976206	76.46	ug/L		98
99)	1,2,4-Trimethylbenzene	13.901	105	1818330	78.72	ug/L		99
100)	Pentachloroethane	13.889	167	350153	82.32	ug/L		97
101)	sec-Butylbenzene	14.017	105	1964821	77.26	ug/L		99
102)	4-Isopropyltoluene	14.151	119	1780721	79.60	ug/L		99
103)	1,3-Dichlorobenzene	14.285	146	1092768	73.32	ug/L		99
104)	1,2,3-Trimethylbenzene	14.359	105	1857322	76.21	ug/L		99
105)	1,4-Dichlorobenzene	14.371	146	1173496	73.08	ug/L		98
106)	n-Butylbenzene	14.578	92	888895	81.53	ug/L		99
107)	Benzyl Chloride	14.596	126	239821	93.08	ug/L	#	86
108)	1,2-Dichlorobenzene	14.791	146	1039424	72.47	ug/L		98
109)	1,2-Dibromo-3-Chloropr...	15.529	75	107470	78.14	ug/L		92
110)	Hexachlorobutadiene	16.066	225	241626	84.47	ug/L		97
111)	1,2,4-Trichlorobenzene	16.114	180	643816	76.18	ug/L		96
112)	Naphthalene	16.413	128	1737555	71.27	ug/L		99
113)	1,2,3-Trichlorobenzene	16.584	180	621748	74.09	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:17:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

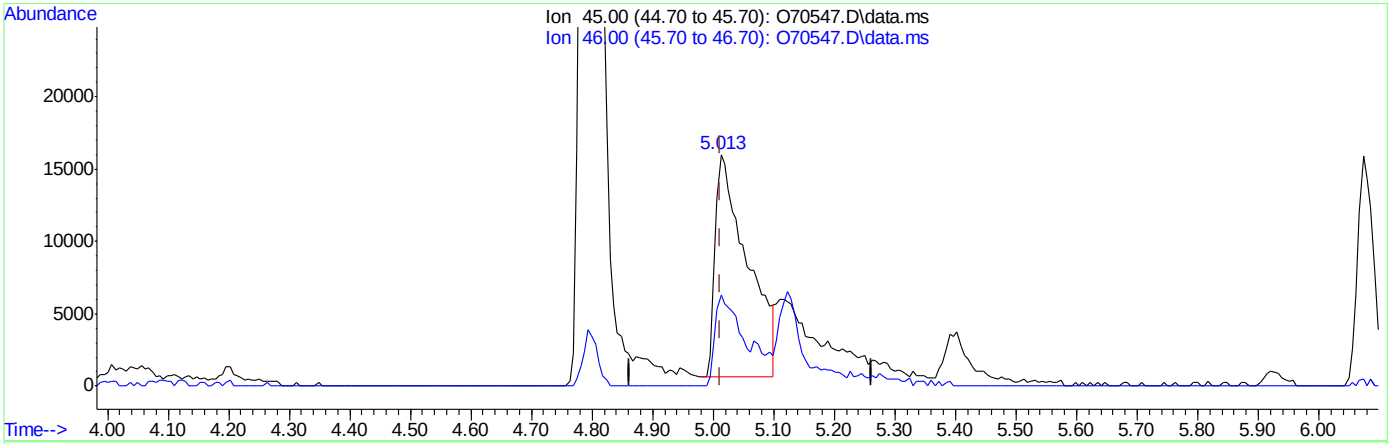
Sample Number: VO2796-IC2796
Lab FileID: O70547.D
Injection Time: 08/23/22 15:34
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

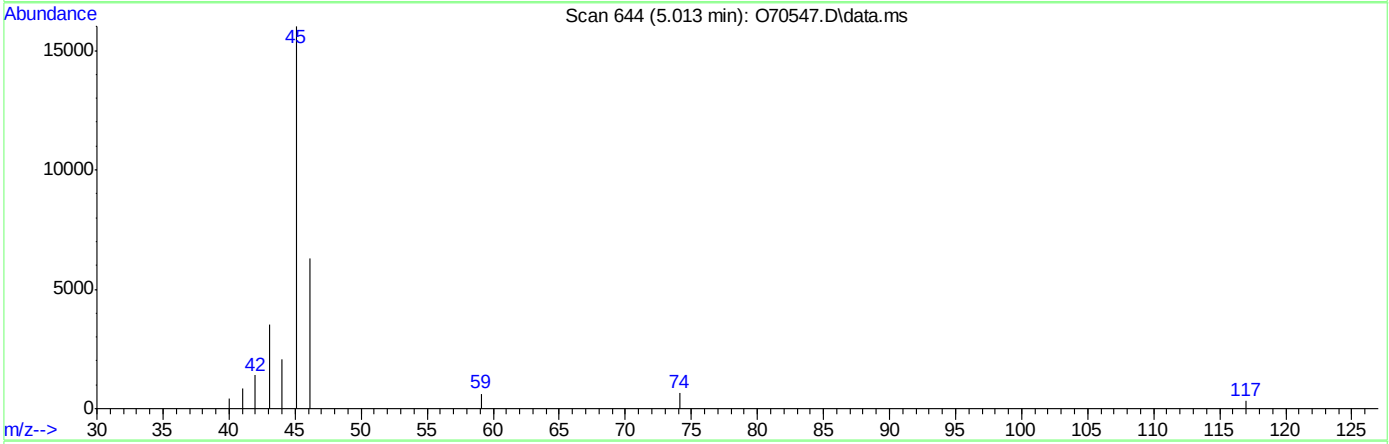
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(10) Ethanol

5.013min (-0.000) 975.29ug/L

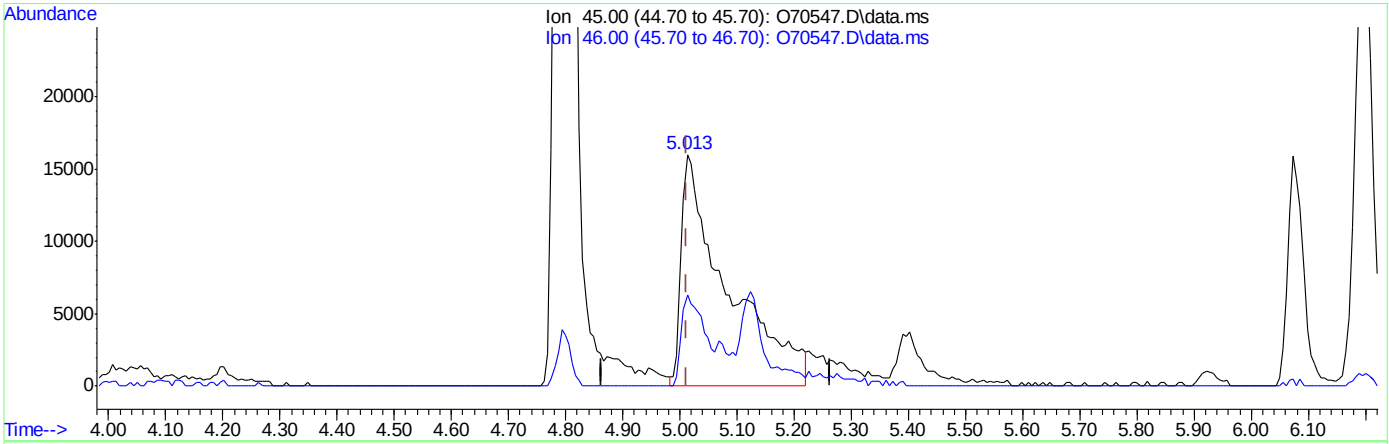
response 56581

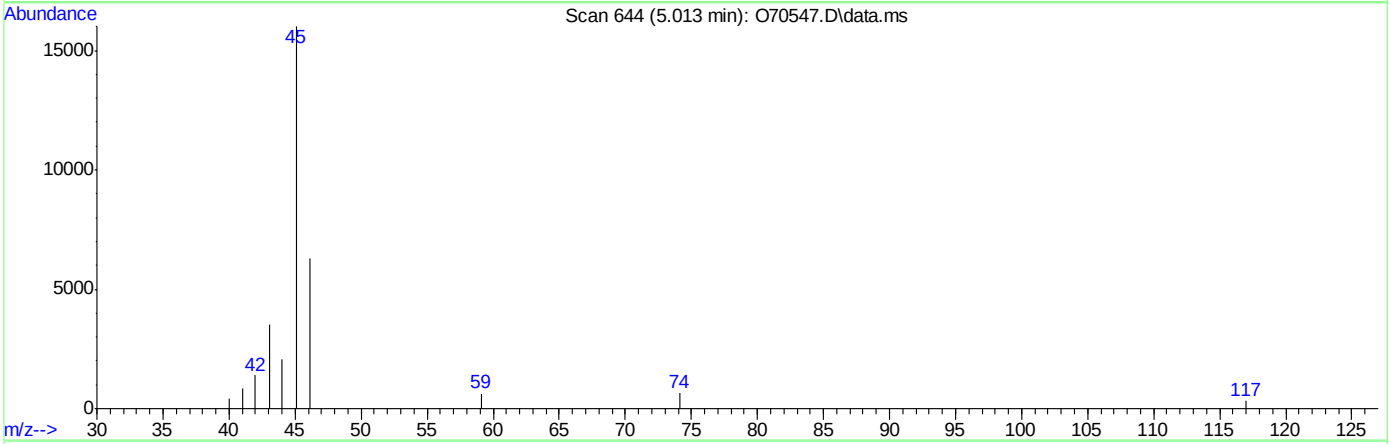
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	40.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(10) Ethanol

5.013min (-0.000) 1537.85ug/L m

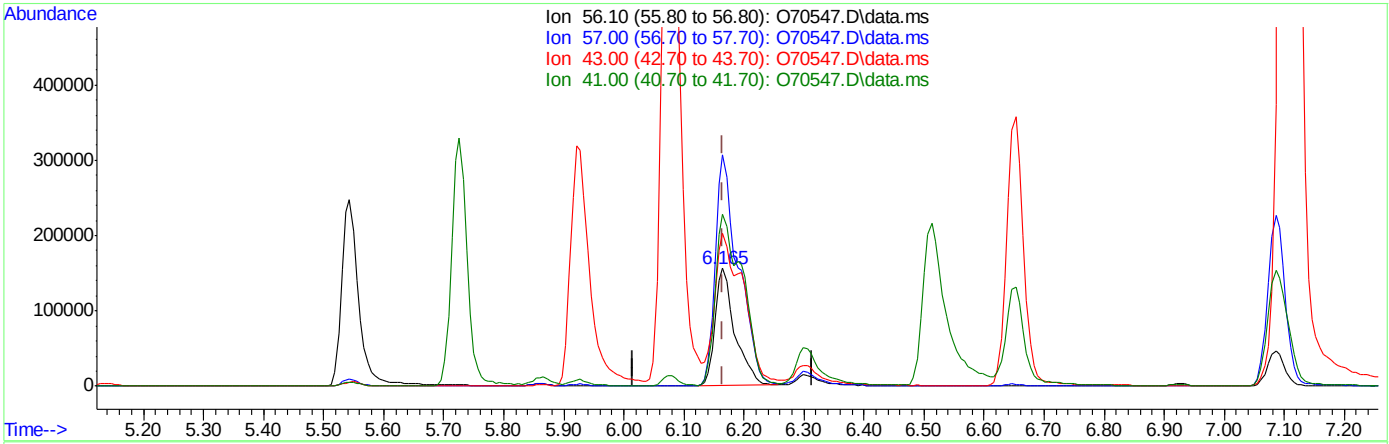
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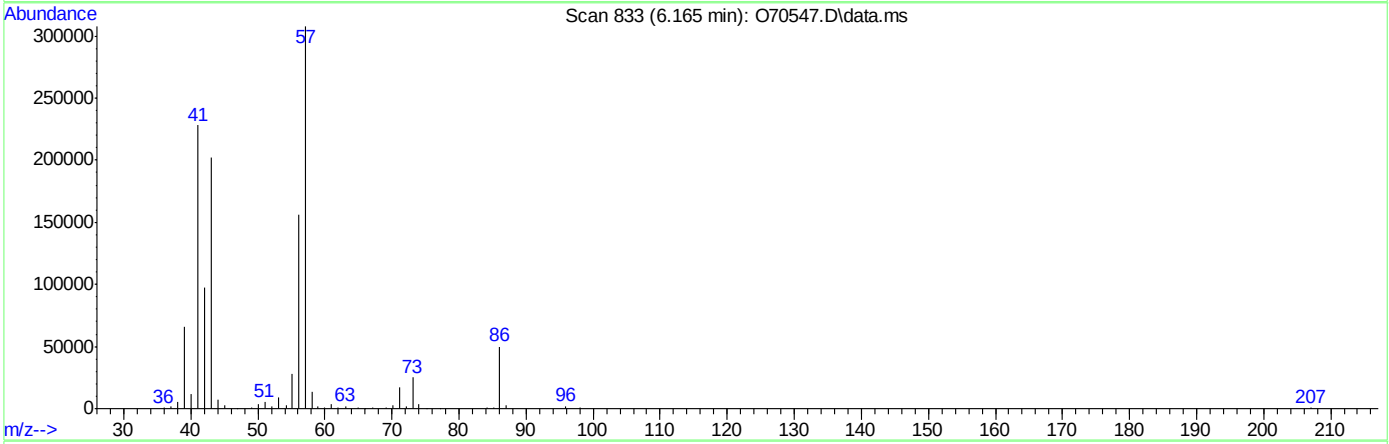
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	39.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(22) Hexane

6.165min (+0.000) 76.63ug/L

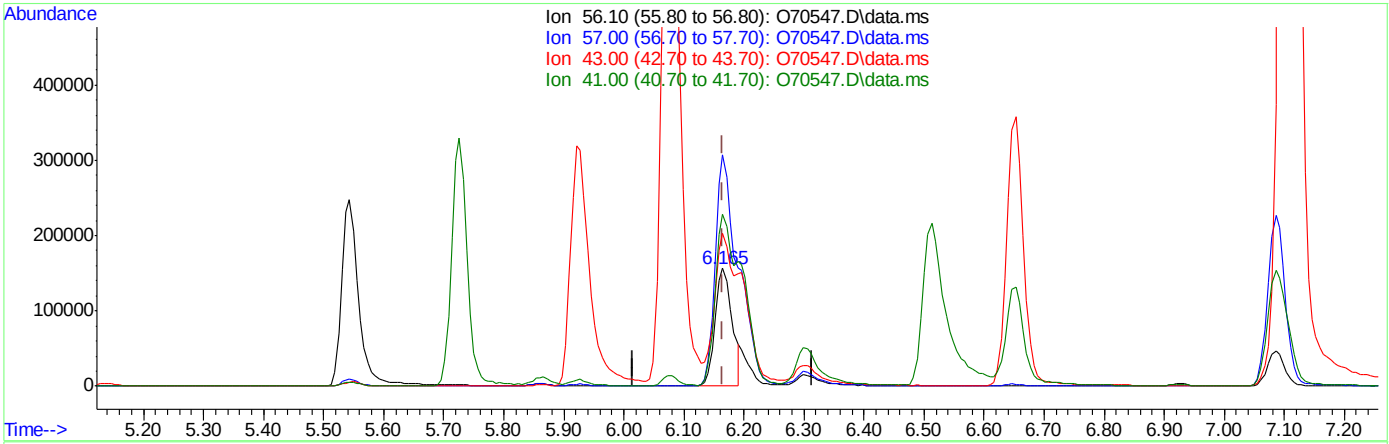
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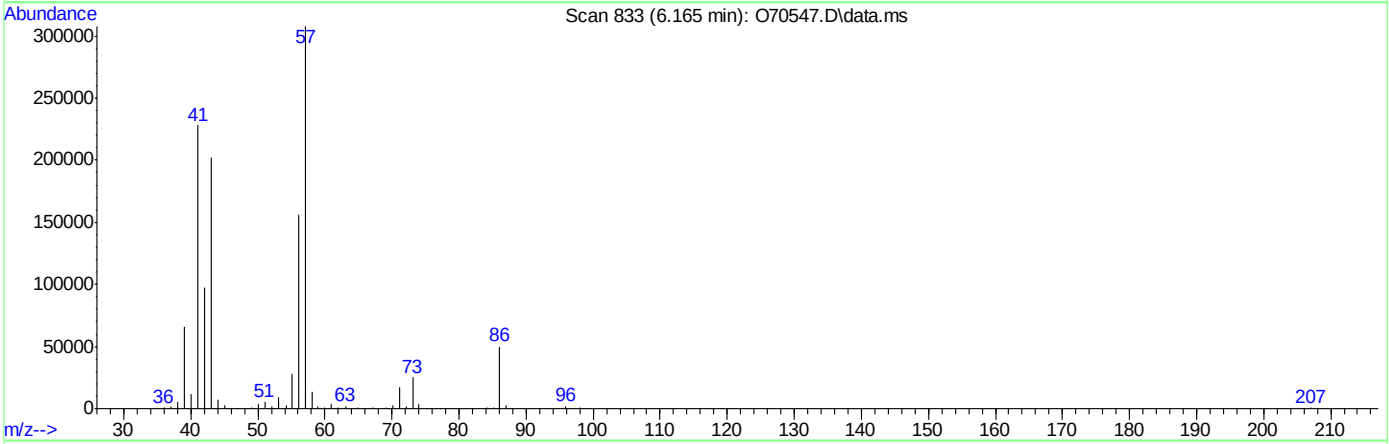
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	196.78
43.00	139.80	124.52
41.00	146.00	145.33

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(22) Hexane

6.165min (+0.000) 65.24ug/L m

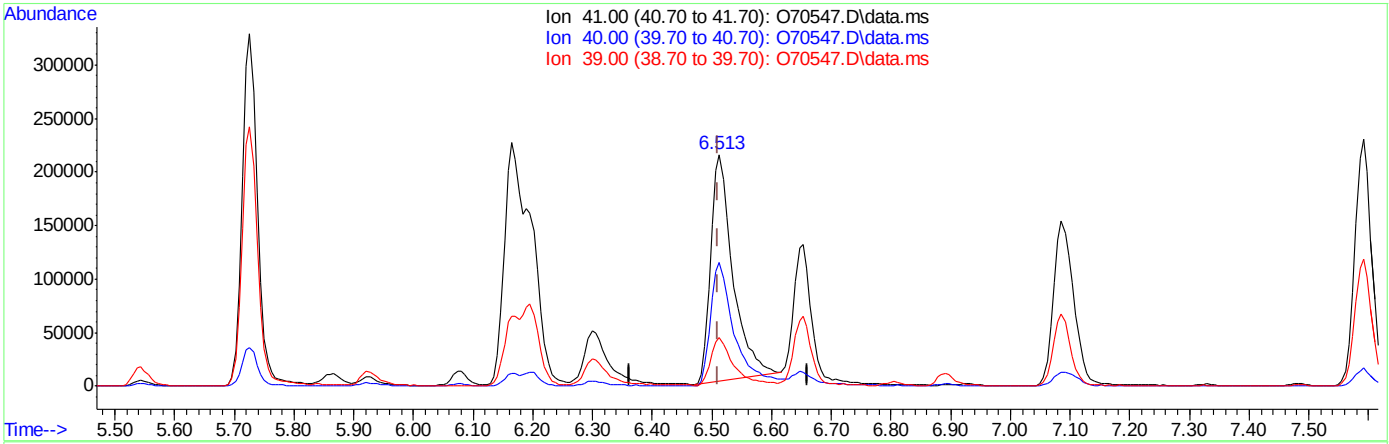
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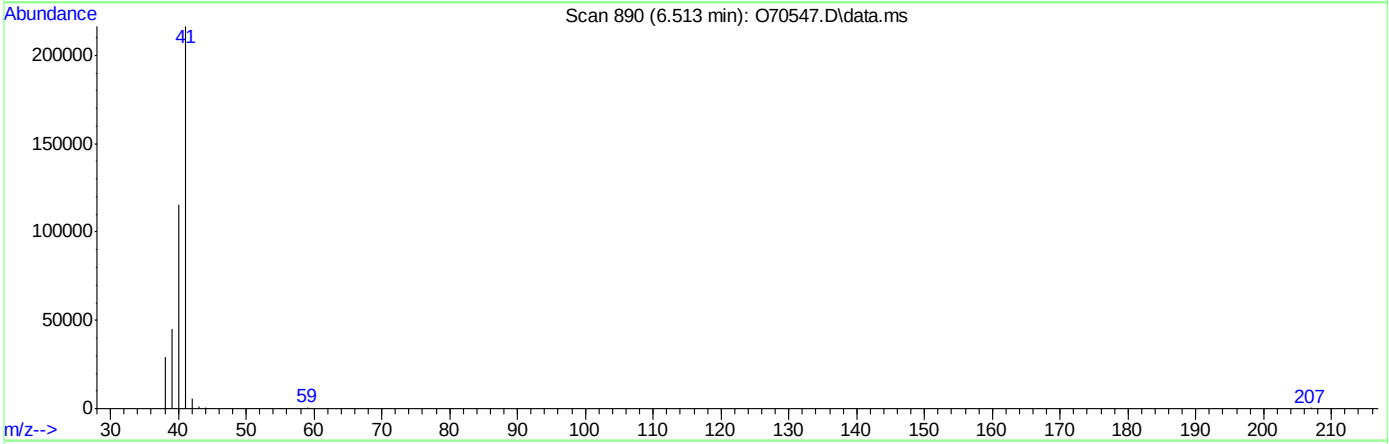
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	196.61
43.00	139.80	129.28
41.00	146.00	145.69

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 568.08ug/L

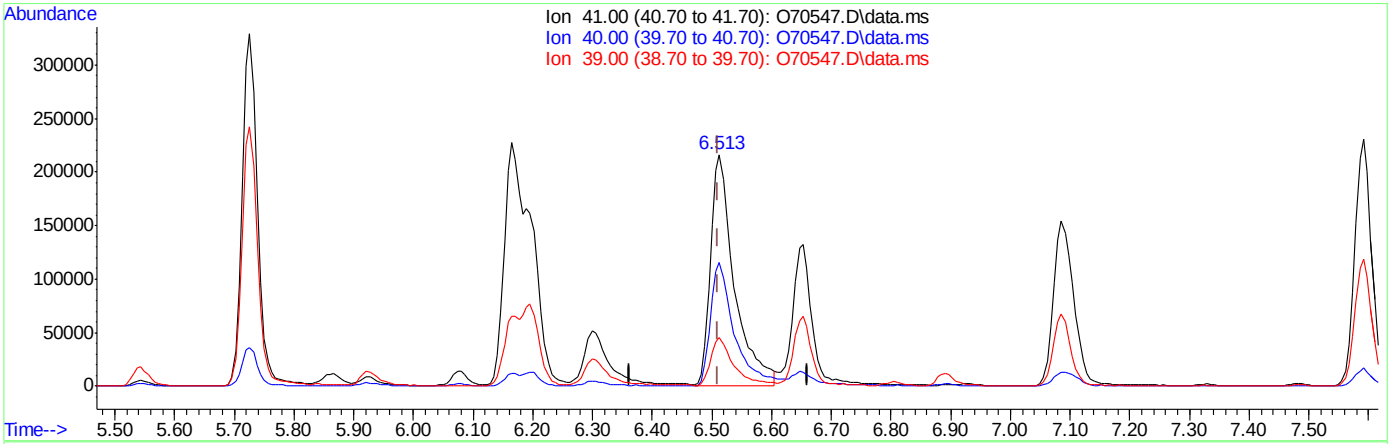
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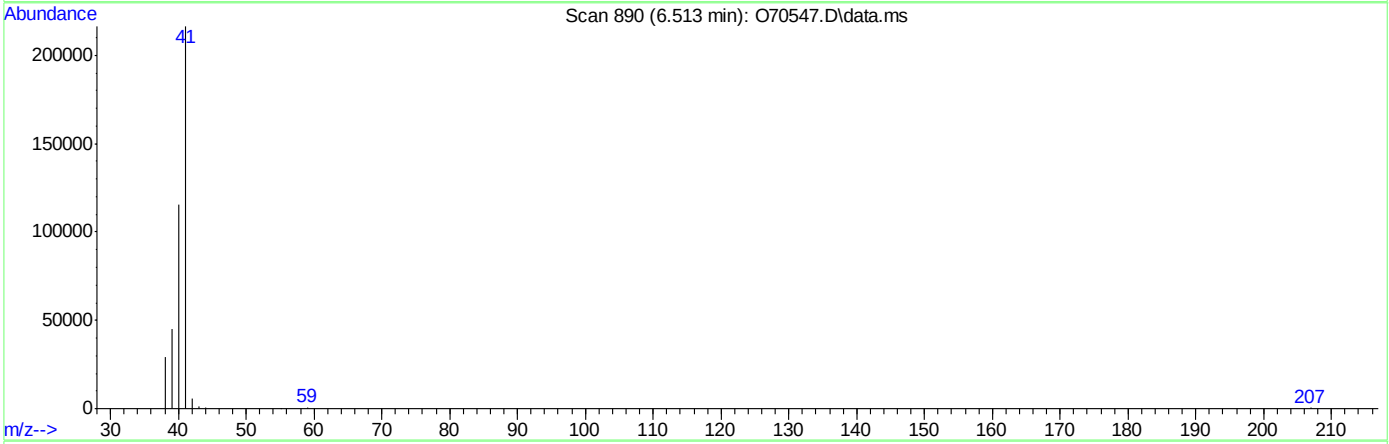
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.51
39.00	19.60	20.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70547.D
Acq On : 23 Aug 2022 3:34 pm
Operator : joannel
Sample : IC2796-6 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 23 16:05:19 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70547.D\data.ms

(25) Acetonitrile

6.513min (+0.001) 623.47ug/L m

response 598000

Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.36
39.00	19.60	20.76
0.00	0.00	0.00

O70548.D

Manual Integrations APPROVED (compounds with "m" flag)

Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:20:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1792330	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1458562	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	733718	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	513439	51.03	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.06%			
50) 1,2-Dichloroethane-d4	8.549	65	496191	47.94	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.88%			
63) Toluene-d8	10.427	98	1788478	53.25	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 106.50%			
86) 4-Bromofluorobenzene	13.213	174	580350	50.75	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.885	85	656360	77.94	ug/L	100
3) Chloromethane	3.202	50	714079	82.63	ug/L	99
4) 1,3-butadiene	3.379	39	660383	83.66	ug/L	98
5) Vinyl Chloride	3.349	62	806998	85.83	ug/L	100
6) Bromomethane	3.903	94	398815	94.46	ug/L	96
7) Chloroethane	4.111	64	363894	74.48	ug/L	96
8) Trichlorofluoromethane	4.324	101	1241226	93.14	ug/L	100
9) Ethyl Ether	4.800	59	560677	83.15	ug/L	99
10) Ethanol	5.025	45	135376m	2310.90	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.080	67	731248	83.40	ug/L	99
12) 1,1-Dichloroethene	5.086	61	1050500	85.55	ug/L	98
13) Freon 113	5.141	101	695933	84.04	ug/L	95
14) Carbon Disulfide	5.129	76	2024502	86.13	ug/L	100
15) Iodomethane	5.287	142	623608	91.53	ug/L	99
16) Acrolein	5.543	56	730643	509.02	ug/L	99
17) Allyl chloride	5.726	41	901414	86.74	ug/L	97
18) Methylene Chloride	5.867	49	920045	75.56	ug/L	98
19) Acetone	5.927	43	1091404	405.96	ug/L	98
20) Methyl acetate	6.080	43	2817544	423.06	ug/L	100
21) trans-1,2-Dichloroethene	6.074	61	1028494	85.42	ug/L	97
22) Hexane	6.165	56	432800m	91.79	ug/L	
23) Methyl Tert Butyl Ether	6.202	73	1815713	82.71	ug/L	96
24) Tert Butyl Alcohol	6.305	59	669875	811.79	ug/L	94
25) Acetonitrile	6.519	41	910562m	940.16	ug/L	
26) Di-isopropyl ether	6.653	45	2135729	88.34	ug/L	98
27) Chloroprene	6.805	53	204616	18.08	ug/L	97
28) 1,1-Dichloroethane	6.836	63	1262378	82.86	ug/L	100
29) Acrylonitrile	6.891	52	1206696	468.22	ug/L	99
30) ETBE	7.092	59	2129797	88.92	ug/L	98
31) Vinyl acetate	7.110	43	7772035	458.78	ug/L	99
32) cis-1,2-Dichloroethene	7.470	96	743212	83.98	ug/L	99
33) 2,2-Dichloropropane	7.592	77	1040884	92.90	ug/L	99
34) Bromochloromethane	7.695	128	409121	82.78	ug/L	97
35) Cyclohexane	7.708	56	1164252	90.59	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:20:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	1307483	84.59	ug/L	99
37) Ethyl acetate	7.872	43	3663255	452.28	ug/L	99
38) Tetrahydrofuran	7.958	42	220896	78.27	ug/L	96
40) Carbon Tetrachloride	7.939	117	1083963	89.84	ug/L	98
41) 1,1,1-Trichloroethane	8.012	97	1204612	86.82	ug/L	98
42) 2-Butanone	8.098	43	1750186	423.12	ug/L	98
43) 1,1-Dichloropropene	8.140	75	977984	84.99	ug/L	98
44) tert-Butyl formate	8.244	59	2590988	453.42	ug/L	95
45) Propionitrile	8.427	54	1193512	852.12	ug/L	94
46) Methacrylonitrile	8.445	41	5297306	840.00	ug/L	99
47) Benzene	8.409	78	2795676	84.12	ug/L	99
48) TAME	8.494	73	1808107	79.35	ug/L	98
49) Isobutyl alcohol	8.573	43	488571	1462.70	ug/L	95
51) 1,2-Dichloroethane	8.622	62	1029446	80.79	ug/L	99
52) Tert Amyl Alcohol	8.683	59	491509	842.86	ug/L	95
53) Trichloroethene	9.018	95	787198	83.60	ug/L	100
54) Methylcyclohexane	9.012	83	995656	94.94	ug/L	99
55) Dibromomethane	9.463	93	471248	80.34	ug/L	98
56) 1,2-Dichloropropane	9.555	63	713031	85.82	ug/L	99
57) Bromodichloromethane	9.604	83	953309	92.01	ug/L	99
58) Methyl methacrylate	9.726	41	649623	80.79	ug/L	99
59) 1,4-Dioxane	9.811	88	117320	1518.21	ug/L	98
60) 2-Chloroethyl vinyl ether	10.146	63	2647753	420.35	ug/L	99
61) cis-1,3-Dichloropropene	10.244	75	1086272	95.11	ug/L	99
64) Toluene	10.481	91	3055849	93.90	ug/L	100
65) 2-Nitropropane	10.713	41	1057339	583.60	ug/L	98
66) 4-Methyl-2-pentanone	10.829	43	3800047	474.21	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	977393	98.69	ug/L	91
68) Tetrachloroethene	10.884	166	921216	96.80	ug/L	99
69) Ethyl methacrylate	10.994	69	934593	91.68	ug/L	98
70) 1,1,2-Trichloroethane	11.048	83	536918	91.60	ug/L	98
71) Dibromochloromethane	11.243	129	836811	106.19	ug/L	99
72) 1,3-Dichloropropane	11.335	76	1107279	92.24	ug/L	100
73) 1,2-Dibromoethane	11.506	107	715404	95.10	ug/L	100
74) 3,3-dimethyl-1-butanol	11.603	57	3146108	4082.14	ug/L	99
75) 2-hexanone	11.658	43	2658574	495.70	ug/L	99
76) 1-Chlorohexane	11.945	91	913746	109.27	ug/L	99
77) Ethylbenzene	12.006	91	3557293	96.96	ug/L	99
78) Chlorobenzene	12.012	112	2093374	96.04	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.067	131	772424	102.97	ug/L	98
80) m,p-Xylene	12.146	91	5544799	201.54	ug/L	99
81) o-Xylene	12.591	91	2655639	102.08	ug/L	98
82) Styrene	12.640	104	2075837	109.40	ug/L	99
83) Bromoform	12.701	173	548542	92.35	ug/L	99
84) Isopropylbenzene	12.890	105	3303052	102.88	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	293234	123.73	ug/L	87
88) n-Propylbenzene	13.310	91	3757274	112.24	ug/L	100
89) Bromobenzene	13.335	156	907458	104.63	ug/L	98
90) 1,1,2,2-Tetrachloroethane	13.383	83	903464	100.85	ug/L	98
91) 1,3,5-Trimethylbenzene	13.493	105	2786418	116.05	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:20:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration

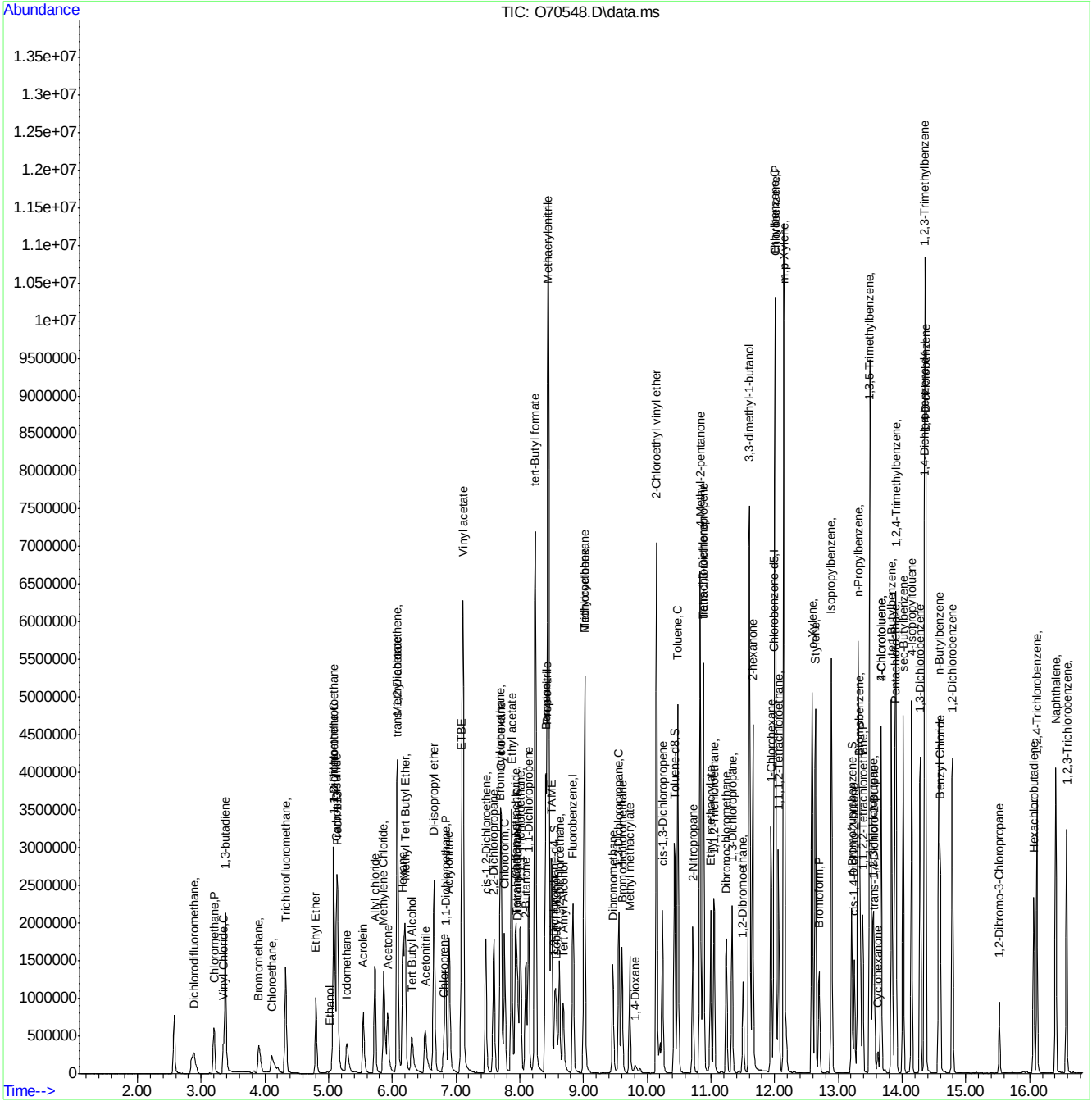
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	2312995	108.83	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.566	53	266612	119.31	ug/L		96
94) 1,2,3-Trichloropropane	13.542	110	290792	98.12	ug/L		98
95) Cyclohexanone	13.621	55	108869	516.54	ug/L		93
96) 4-Chlorotoluene	13.670	91	2312995	108.83	ug/L		99
97) tert-Butylbenzene	13.834	91	1428441	111.24	ug/L		99
99) 1,2,4-Trimethylbenzene	13.902	105	2657432	114.40	ug/L		99
100) Pentachloroethane	13.889	167	530003	123.89	ug/L		99
101) sec-Butylbenzene	14.017	105	2888845	112.95	ug/L		99
102) 4-Isopropyltoluene	14.151	119	2601396	115.61	ug/L		99
103) 1,3-Dichlorobenzene	14.286	146	1597947	106.60	ug/L		99
104) 1,2,3-Trimethylbenzene	14.359	105	2720464	110.99	ug/L		99
105) 1,4-Dichlorobenzene	14.371	146	1719253	106.46	ug/L		98
106) n-Butylbenzene	14.578	92	1312064	119.66	ug/L		99
107) Benzyl Chloride	14.597	126	365363	141.00	ug/L	#	85
108) 1,2-Dichlorobenzene	14.792	146	1518997	105.29	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	15.529	75	165068	119.33	ug/L		91
110) Hexachlorobutadiene	16.066	225	338392	121.06	ug/L		97
111) 1,2,4-Trichlorobenzene	16.115	180	920117	108.25	ug/L		99
112) Naphthalene	16.413	128	2584913	100.56	ug/L		99
113) 1,2,3-Trichlorobenzene	16.584	180	881482	104.44	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:20:34 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

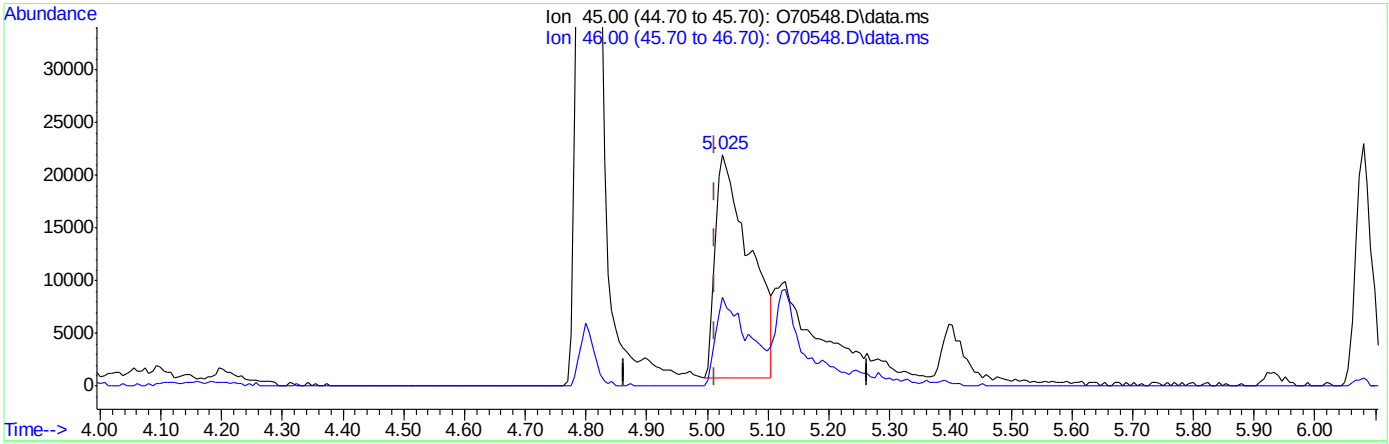
Sample Number: VO2796-IC2796
Lab FileID: O70548.D
Injection Time: 08/23/22 15:59
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

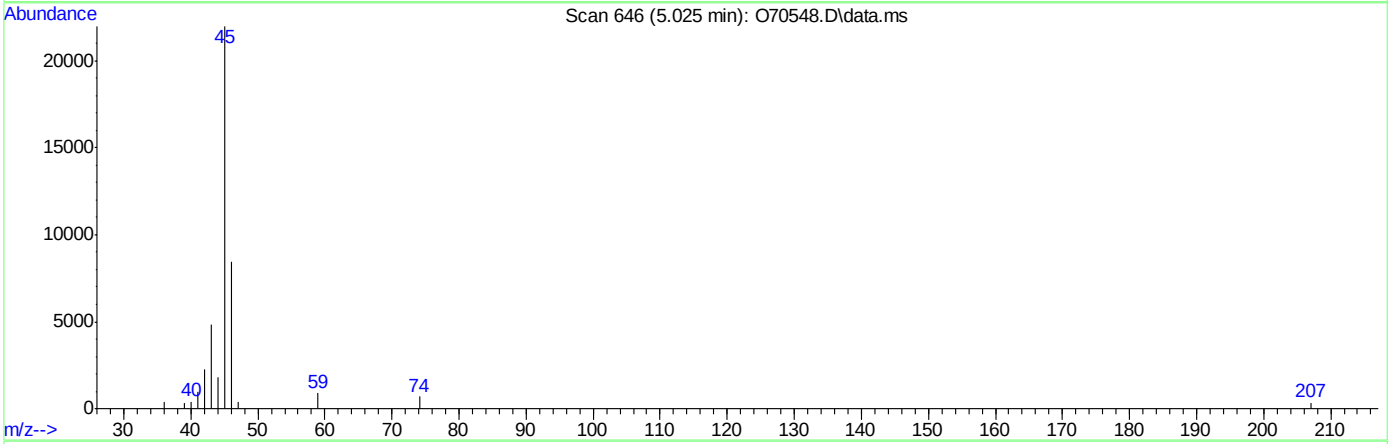
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.03	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.52	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(10) Ethanol

5.025min (+0.012) 1425.86ug/L

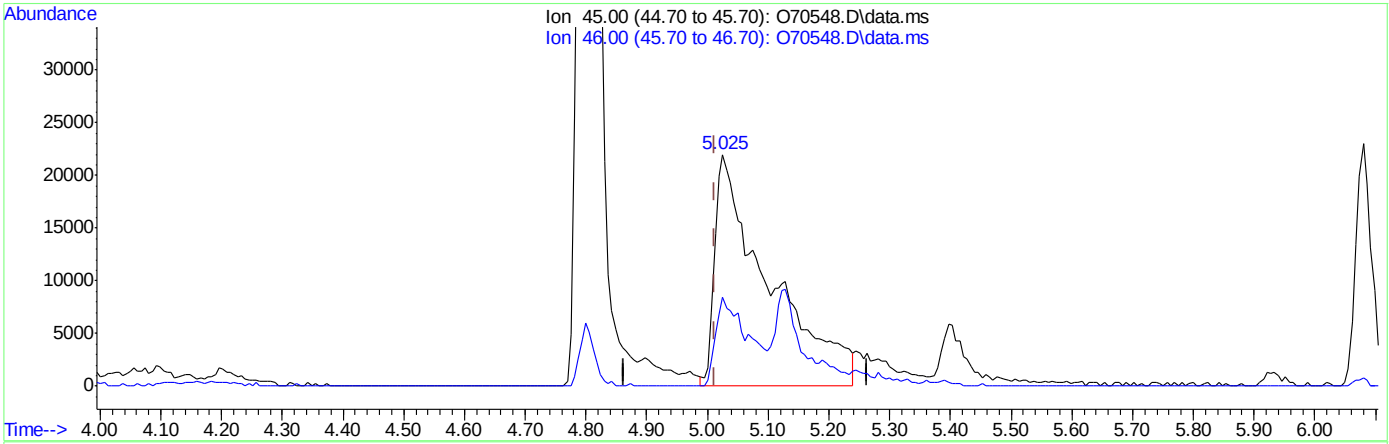
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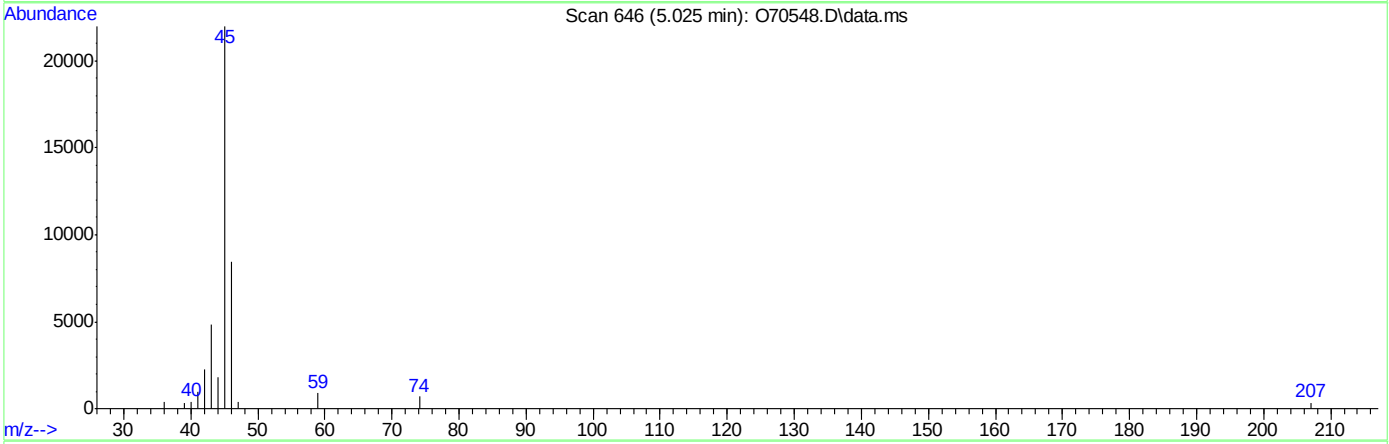
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	39.98
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(10) Ethanol

5.025min (+0.012) 2310.90ug/L m

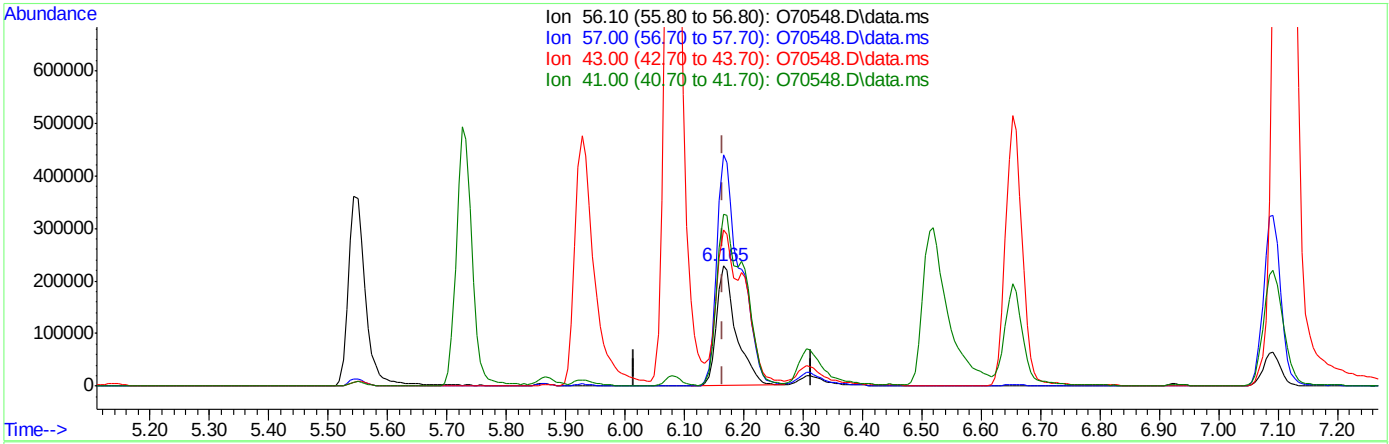
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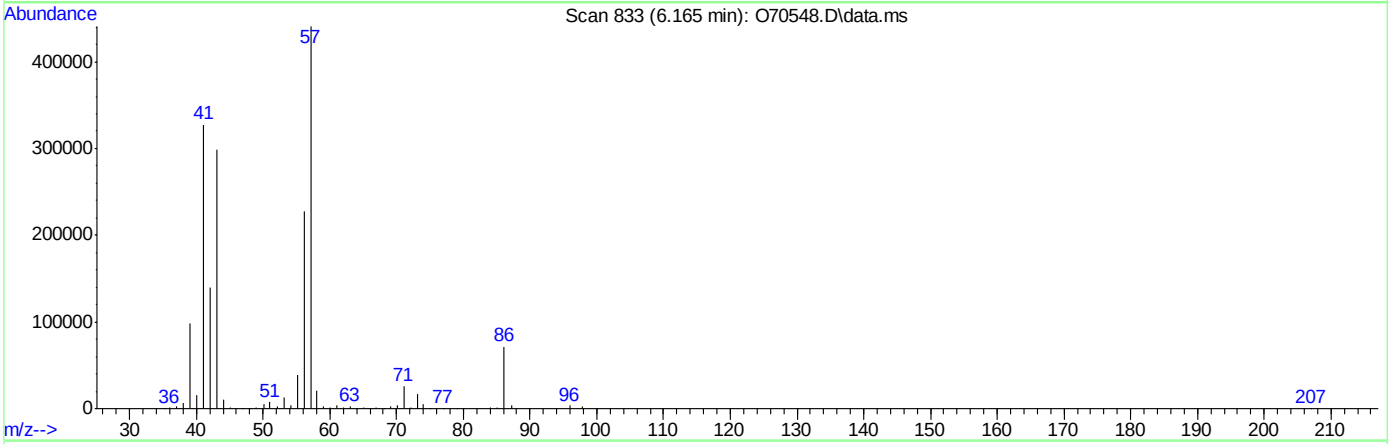
Ion	Exp%	Act%
45.00	100	100
46.00	42.90	38.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(22) Hexane

6.165min (+0.000) 111.20ug/L

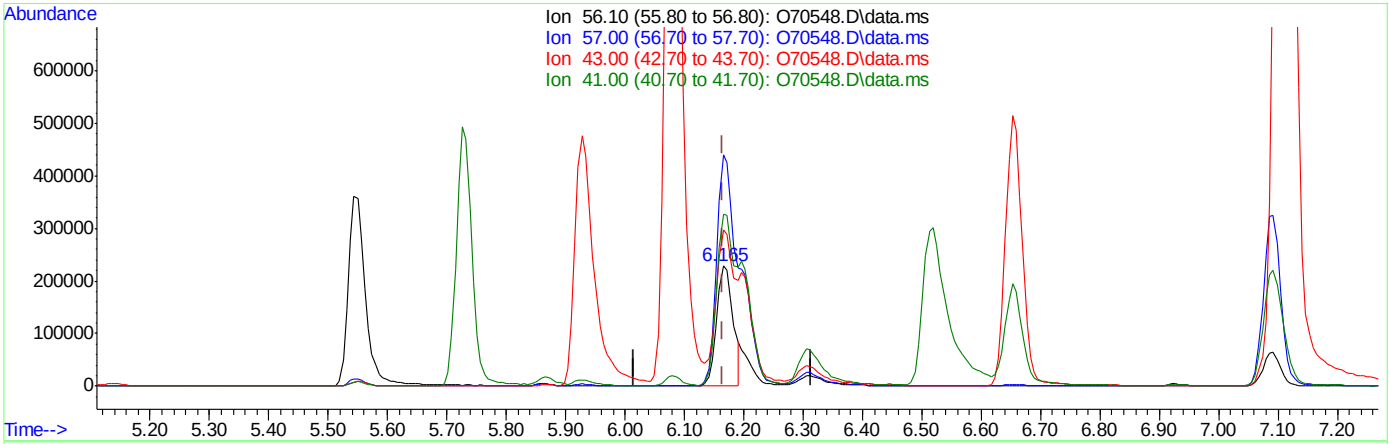
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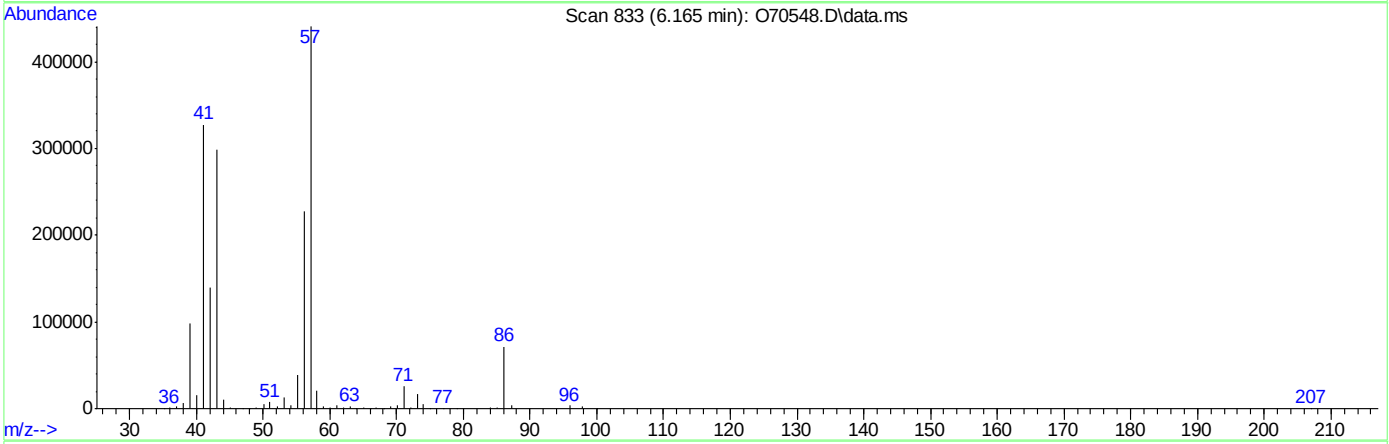
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	193.18
43.00	139.80	126.23
41.00	146.00	142.47

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(22) Hexane

6.165min (+0.000) 91.79ug/L m

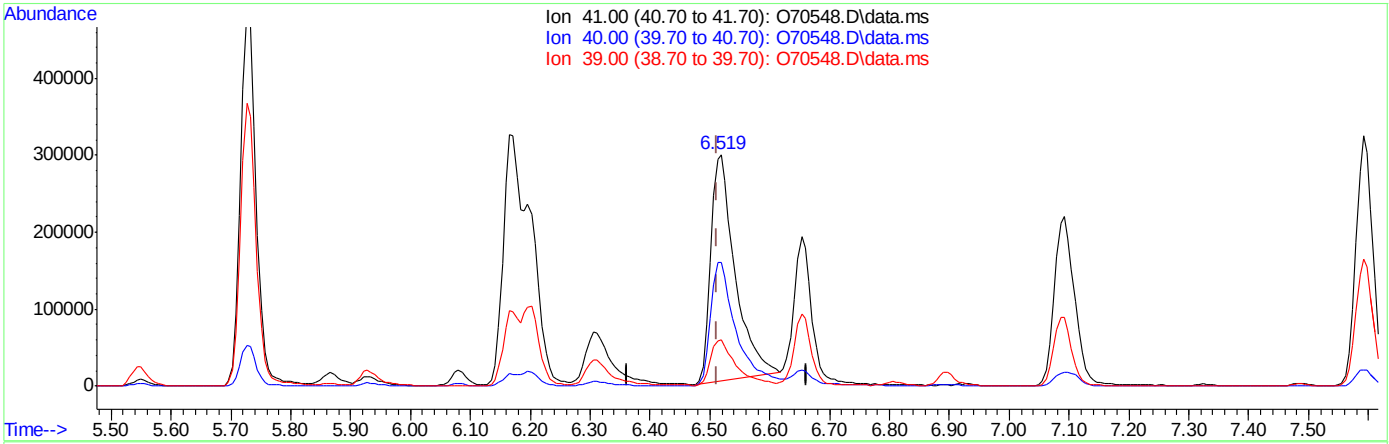
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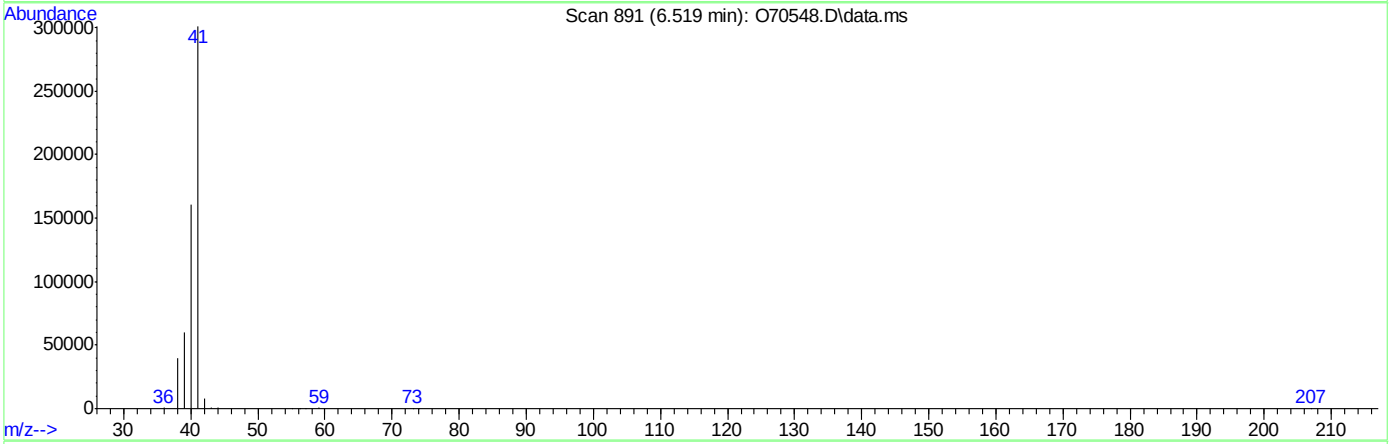
Ion	Exp%	Act%
56.10	100	100
57.00	199.60	193.18
43.00	139.80	130.60
41.00	146.00	143.53

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 851.78ug/L

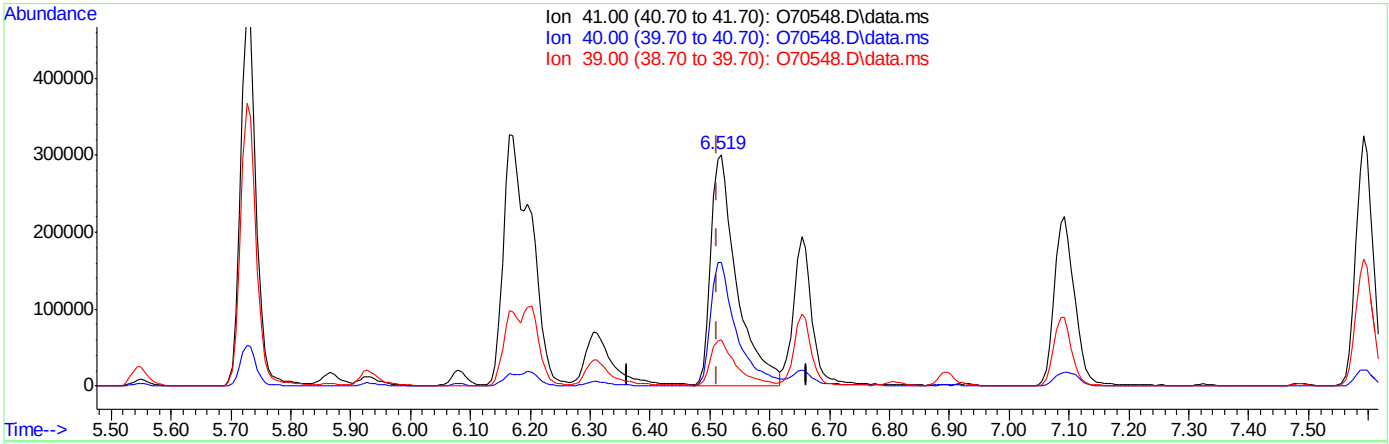
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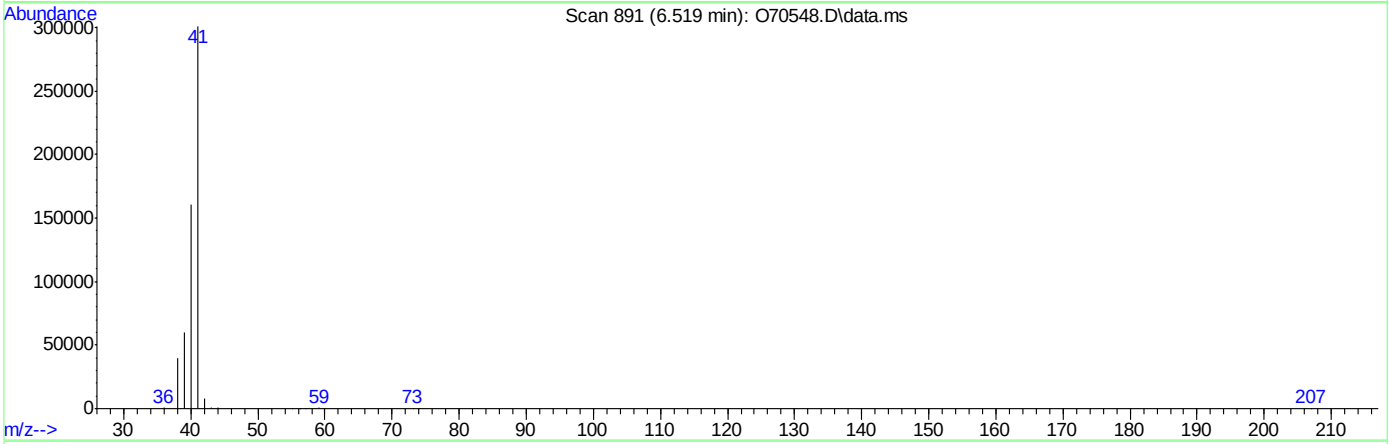
Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.56
39.00	19.60	19.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70548.D
Acq On : 23 Aug 2022 3:59 pm
Operator : joannel
Sample : IC2796-7 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 23 16:18:20 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 10 16:25:42 2022
Response via : Initial Calibration





TIC: O70548.D\data.ms

(25) Acetonitrile

6.519min (+0.007) 940.16ug/L m

response 910562

Ion	Exp%	Act%
41.00	100	100
40.00	51.60	53.38
39.00	19.60	20.04
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Lindsay Ritner 08/24/22 12:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:41:05 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1807336	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1438794	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.352	152	742210	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.963	113	522026	51.17	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.34%			
50) 1,2-Dichloroethane-d4	8.549	65	525850	50.10	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.20%			
63) Toluene-d8	10.426	98	1791806	49.67	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.34%			
86) 4-Bromofluorobenzene	13.206	174	597104	50.24	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	220472	34.19	ug/L	98
3) Chloromethane	3.196	50	270509	37.72	ug/L	99
4) 1,3-butadiene	3.379	39	231919	34.47	ug/L	97
5) Vinyl Chloride	3.349	62	292026	36.24	ug/L	98
6) Bromomethane	3.897	94	146871	36.69	ug/L	99
7) Chloroethane	4.098	64	188946	36.45	ug/L	97
8) Trichlorofluoromethane	4.330	101	454106	35.43	ug/L	97
9) Ethyl Ether	4.799	59	214142	37.55	ug/L	99
10) Ethanol	5.019	45	43699m	682.91	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	315077	42.75	ug/L	97
12) 1,1-Dichloroethene	5.080	61	415276	40.16	ug/L	99
13) Freon 113	5.141	101	263846	39.81	ug/L	99
14) Carbon Disulfide	5.123	76	648536	34.53	ug/L	99
15) Iodomethane	5.287	142	117181	28.57	ug/L	97
16) Acrolein	5.543	56	251878	180.72	ug/L	100
17) Allyl chloride	5.726	41	348203	40.47	ug/L	98
18) Methylene Chloride	5.866	49	368250	38.16	ug/L	99
19) Acetone	5.927	43	449587	215.26	ug/L	100
20) Methyl acetate	6.080	43	1107858	206.14	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	392756	38.09	ug/L	98
22) Hexane	6.165	56	177436m	42.79	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	830589	46.23	ug/L	98
24) Tert Butyl Alcohol	6.299	59	234414	355.86	ug/L	97
25) Acetonitrile	6.513	41	320059m	355.69	ug/L	
26) Di-isopropyl ether	6.653	45	842817	39.94	ug/L	99
27) Chloroprene	6.805	53	373068	166.31	ug/L	98
28) 1,1-Dichloroethane	6.836	63	514903	40.44	ug/L	99
29) Acrylonitrile	6.891	52	478802	209.62	ug/L	98
30) ETBE	7.086	59	766750	37.47	ug/L	99
31) Vinyl acetate	7.110	43	3076665	219.21	ug/L	100
32) cis-1,2-Dichloroethene	7.470	96	291259	39.77	ug/L	98
33) 2,2-Dichloropropane	7.592	77	367364	36.78	ug/L	97
34) Bromochloromethane	7.695	128	156767	38.50	ug/L	98
35) Cyclohexane	7.707	56	435455	39.09	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:41:05 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	502672	37.27	ug/L	99
37) Ethyl acetate	7.872	43	1473150	214.47	ug/L	99
38) Tetrahydrofuran	7.957	42	85728	39.67	ug/L	90
40) Carbon Tetrachloride	7.933	117	404281	39.01	ug/L	96
41) 1,1,1-Trichloroethane	8.006	97	466380	39.09	ug/L	99
42) 2-Butanone	8.092	43	709382	207.11	ug/L	99
43) 1,1-Dichloropropene	8.140	75	370864	37.68	ug/L	99
44) tert-Butyl formate	8.244	59	807824	170.28	ug/L	98
45) Propionitrile	8.421	54	378188	336.10	ug/L	97
46) Methacrylonitrile	8.445	41	1909536	365.18	ug/L	100
47) Benzene	8.409	78	1068809	37.54	ug/L	97
48) TAME	8.494	73	938973	53.58	ug/L	97
49) Isobutyl alcohol	8.567	43	164060	714.66	ug/L	99
51) 1,2-Dichloroethane	8.622	62	413124	37.42	ug/L	98
52) Tert Amyl Alcohol	8.677	59	168727	381.55	ug/L	97
53) Trichloroethene	9.018	95	300933	39.31	ug/L	97
54) Methylcyclohexane	9.012	83	377858	41.68	ug/L	99
55) Dibromomethane	9.457	93	179352	37.09	ug/L	98
56) 1,2-Dichloropropane	9.555	63	261509	36.93	ug/L	99
57) Bromodichloromethane	9.603	83	352866	39.20	ug/L	98
58) Methyl methacrylate	9.725	41	221075	37.53	ug/L	100
59) 1,4-Dioxane	9.811	88	48190	788.70	ug/L	96
60) 2-Chloroethyl vinyl ether	10.146	63	993809	205.15	ug/L	98
61) cis-1,3-Dichloropropene	10.237	75	399213	39.58	ug/L	98
64) Toluene	10.481	91	1173698	37.83	ug/L	99
65) 2-Nitropropane	10.713	41	370570	200.71	ug/L	99
66) 4-Methyl-2-pentanone	10.829	43	1451325	198.03	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	392671	43.95	ug/L	95
68) Tetrachloroethene	10.884	166	349777	37.84	ug/L	97
69) Ethyl methacrylate	10.993	69	304893	35.95	ug/L	98
70) 1,1,2-Trichloroethane	11.048	83	215946	38.53	ug/L	98
71) Dibromochloromethane	11.243	129	299530	38.75	ug/L	99
72) 1,3-Dichloropropane	11.335	76	406412	35.01	ug/L	99
73) 1,2-Dibromoethane	11.505	107	276178	38.42	ug/L	99
74) 3,3-dimethyl-1-butanol	11.597	57	1044906	2031.16	ug/L	99
75) 2-hexanone	11.652	43	1015385	205.44	ug/L	100
76) 1-Chlorohexane	11.944	91	350154m	41.23	ug/L	
77) Ethylbenzene	12.005	91	1326406	37.28	ug/L	99
78) Chlorobenzene	12.011	112	785007	37.06	ug/L	98
79) 1,1,1,2-Tetrachloroethane	12.060	131	289053	39.39	ug/L	97
80) m,p-Xylene	12.146	91	2046096	76.19	ug/L	99
81) o-Xylene	12.591	91	1018300	39.24	ug/L	98
82) Styrene	12.639	104	751805	41.34	ug/L	99
83) Bromoform	12.700	173	196815	42.40	ug/L	98
84) Isopropylbenzene	12.889	105	1247802	39.51	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	93028	36.13	ug/L	95
88) n-Propylbenzene	13.310	91	1412160	38.35	ug/L	99
89) Bromobenzene	13.334	156	336094	35.86	ug/L	99
90) 1,1,2,2-Tetrachloroethane	13.383	83	352722	38.26	ug/L	99
91) 1,3,5-Trimethylbenzene	13.493	105	1014183	38.58	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:41:05 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

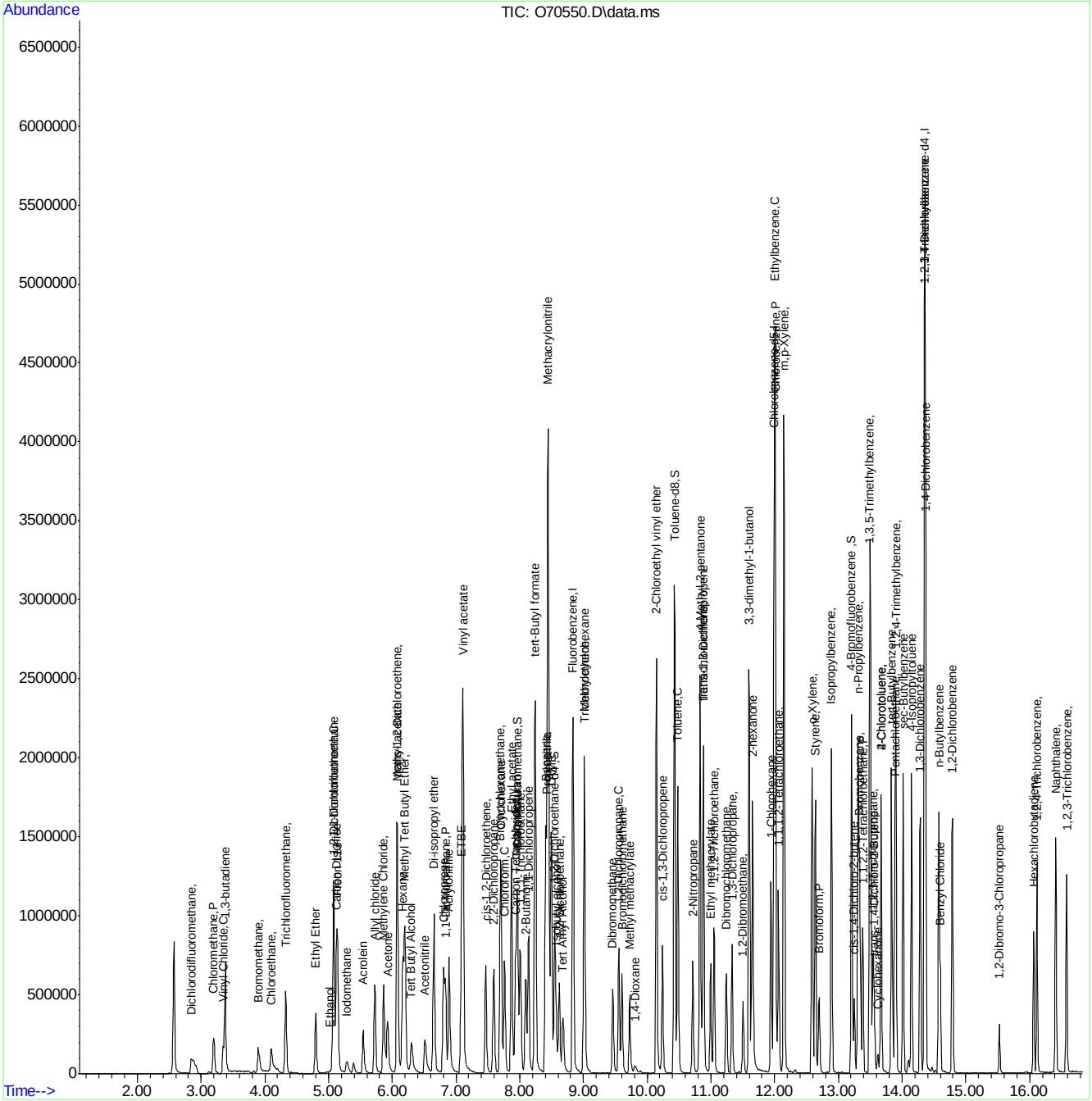
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	13.670	91	886075	38.89	ug/L		99
93)	trans-1,4-Dichloro-2-B...	13.566	53	79328	33.71	ug/L	#	75
94)	1,2,3-Trichloropropane	13.542	110	108364	36.79	ug/L		98
95)	Cyclohexanone	13.621	55	45179	206.74	ug/L		97
96)	4-Chlorotoluene	13.670	91	886075	38.89	ug/L		99
97)	tert-Butylbenzene	13.834	91	545655	38.67	ug/L		99
99)	1,2,4-Trimethylbenzene	13.901	105	1006800	39.53	ug/L		100
100)	Pentachloroethane	13.889	167	185703	37.81	ug/L		96
101)	sec-Butylbenzene	14.017	105	1142075	40.57	ug/L		99
102)	4-Isopropyltoluene	14.151	119	1003666	40.69	ug/L		99
103)	1,3-Dichlorobenzene	14.285	146	622575	38.19	ug/L		99
104)	1,2,3-Trimethylbenzene	14.359	105	1070650	39.66	ug/L		99
105)	1,4-Dichlorobenzene	14.371	146	648950	38.65	ug/L		100
106)	n-Butylbenzene	14.578	92	454990	37.17	ug/L		99
107)	Benzyl Chloride	14.602	126	85094	30.59	ug/L		98
108)	1,2-Dichlorobenzene	14.791	146	587180	37.85	ug/L		98
109)	1,2-Dibromo-3-Chloropr...	15.529	75	55659	38.15	ug/L		93
110)	Hexachlorobutadiene	16.066	225	128685	36.50	ug/L		97
111)	1,2,4-Trichlorobenzene	16.120	180	352399	37.69	ug/L		99
112)	Naphthalene	16.413	128	964075	39.49	ug/L		99
113)	1,2,3-Trichlorobenzene	16.584	180	338519	36.75	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:41:05 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

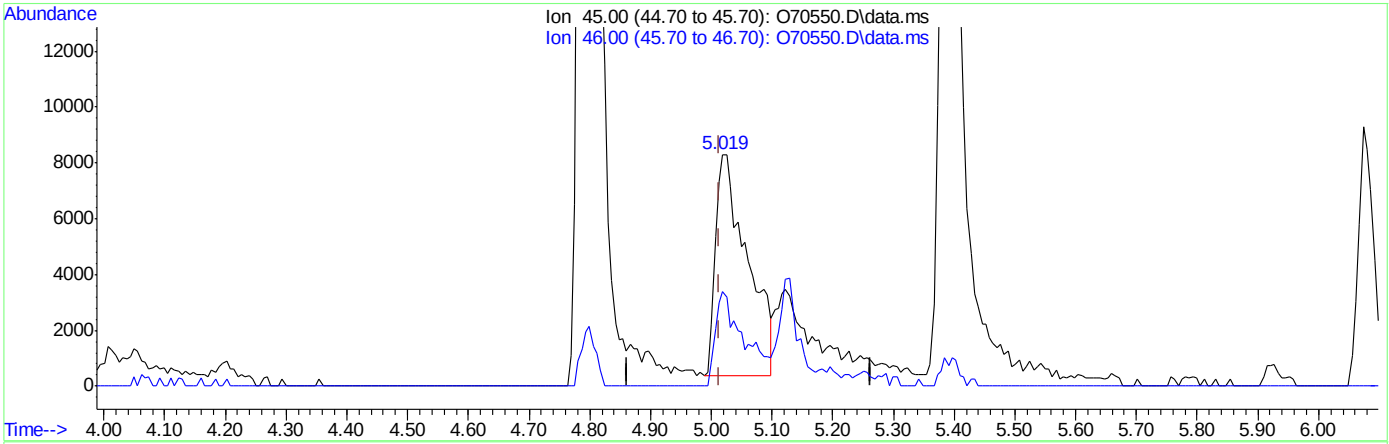
Sample Number: VO2796-ICV2796
Lab FileID: O70550.D
Injection Time: 08/23/22 16:49
Method: SW846 8260D
Analyst approved: 08/24/22 09:50 Jo-Ann Lugo De Jesus
Supervisor approved: 08/24/22 12:17 Lindsay Ritner

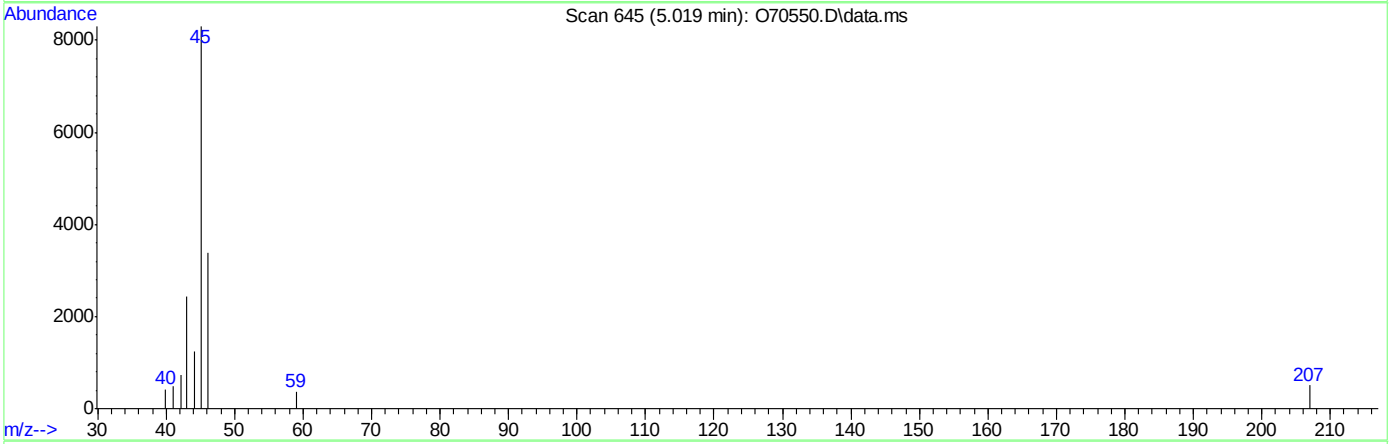
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.02	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(10) Ethanol

5.019min (+0.006) 453.85ug/L

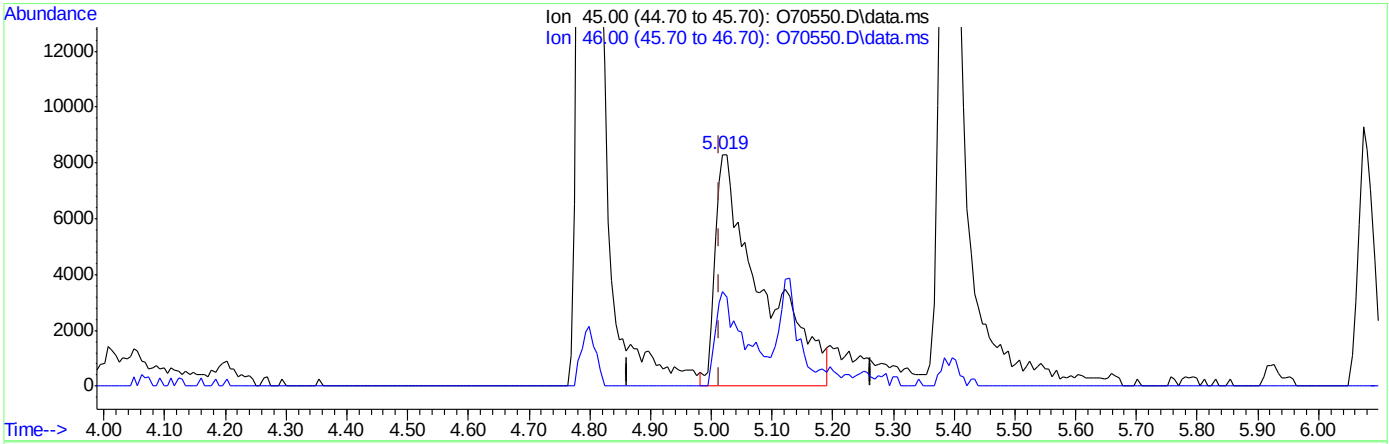
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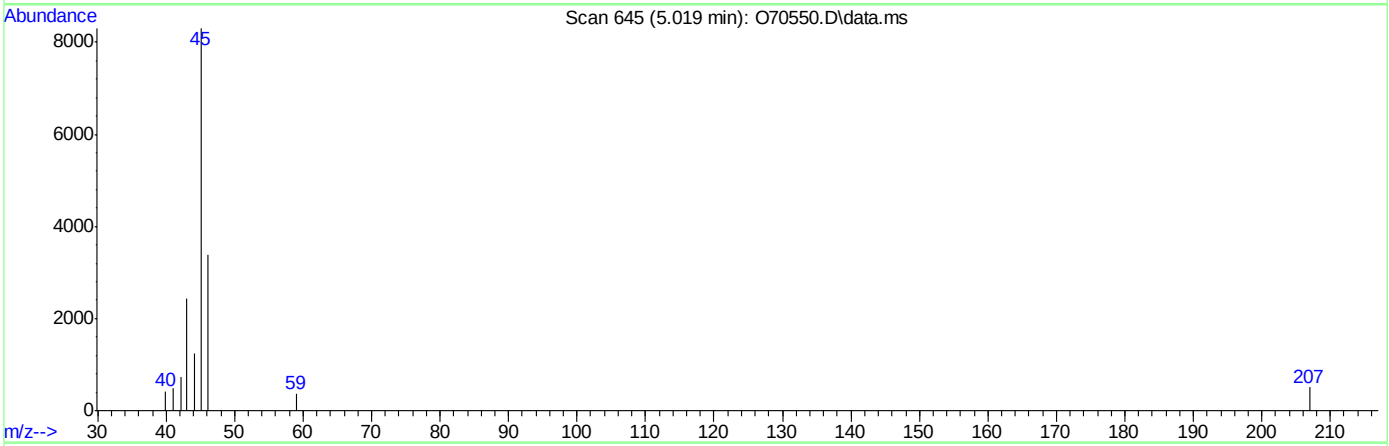
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	42.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(10) Ethanol

5.019min (+0.006) 682.91ug/L m

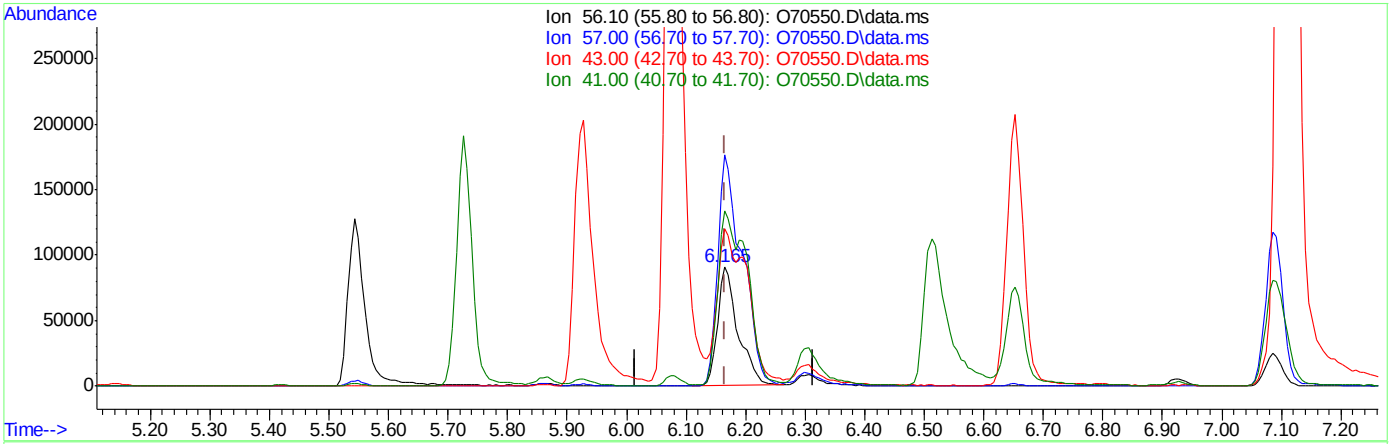
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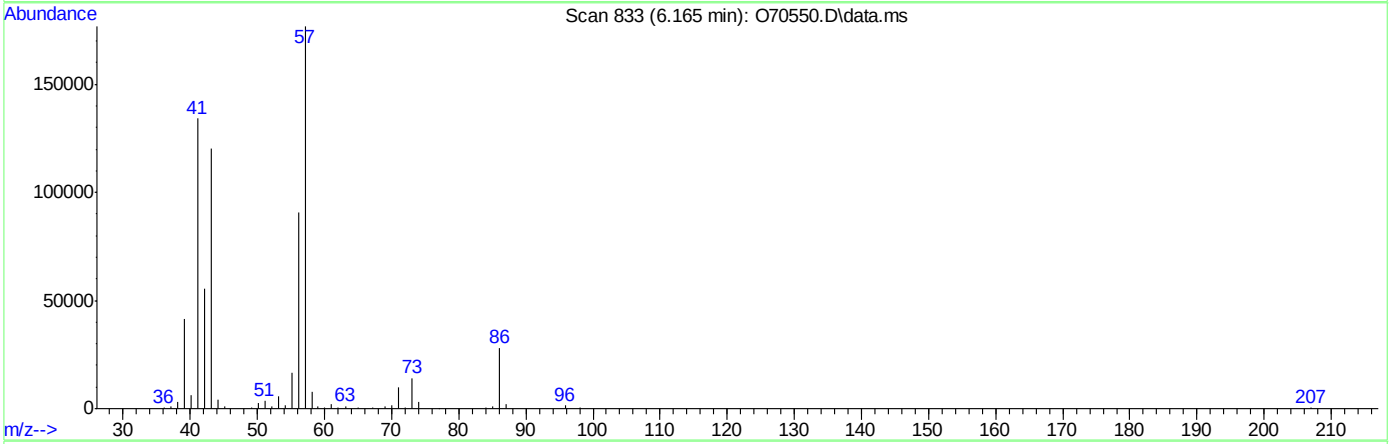
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	40.80
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(22) Hexane

6.165min (+0.000) 51.43ug/L

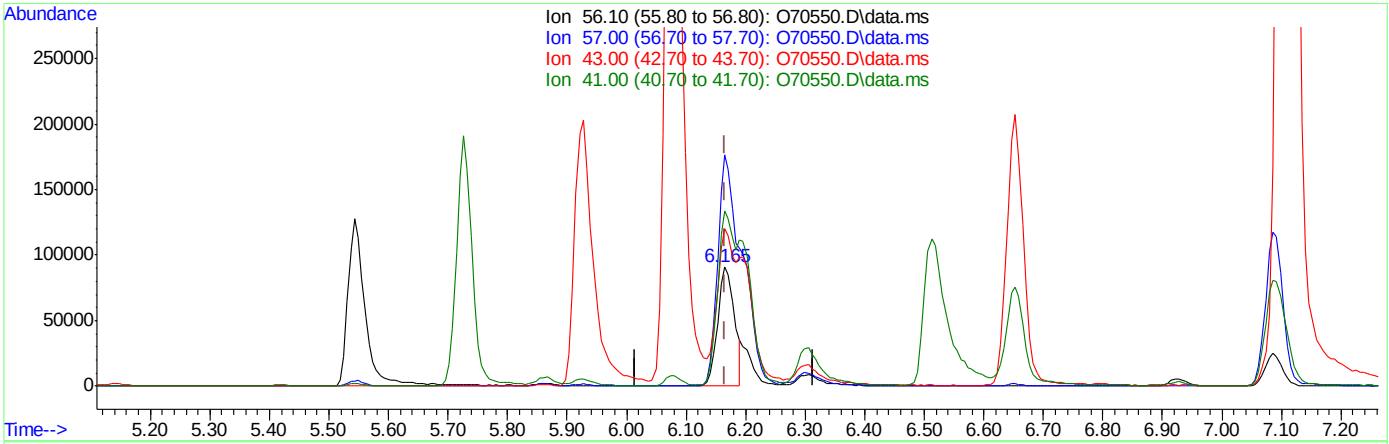
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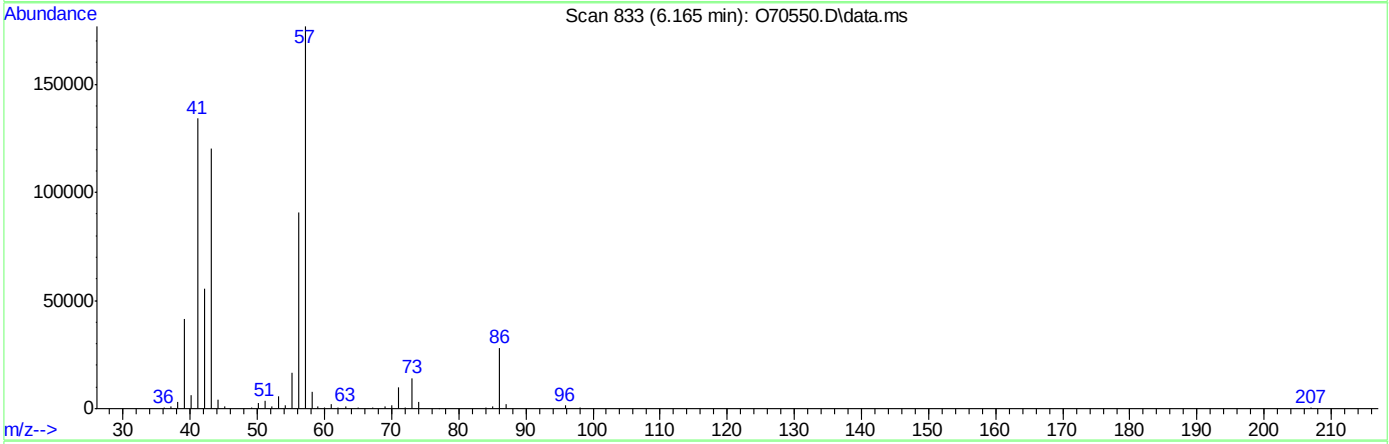
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	194.77
43.00	133.10	127.17
41.00	145.50	146.72

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(22) Hexane

6.165min (+0.000) 42.79ug/L m

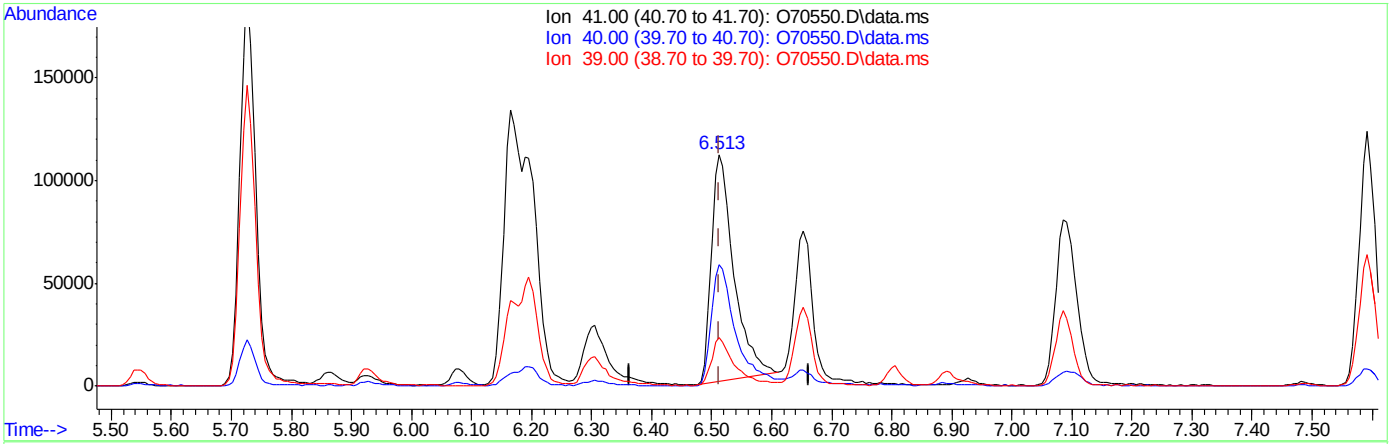
response 177436

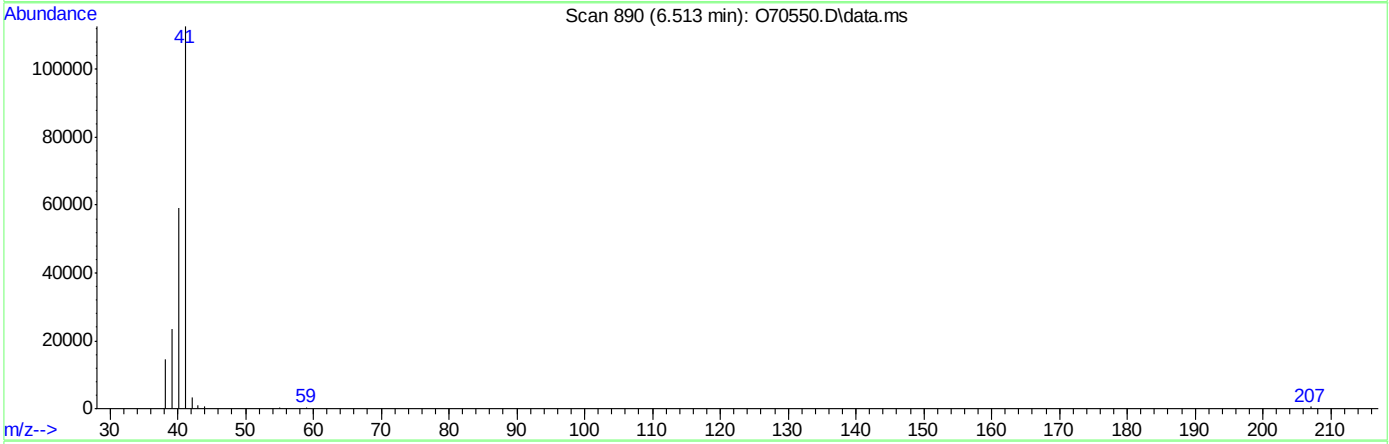
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	194.77
43.00	133.10	132.48
41.00	145.50	147.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 318.52ug/L

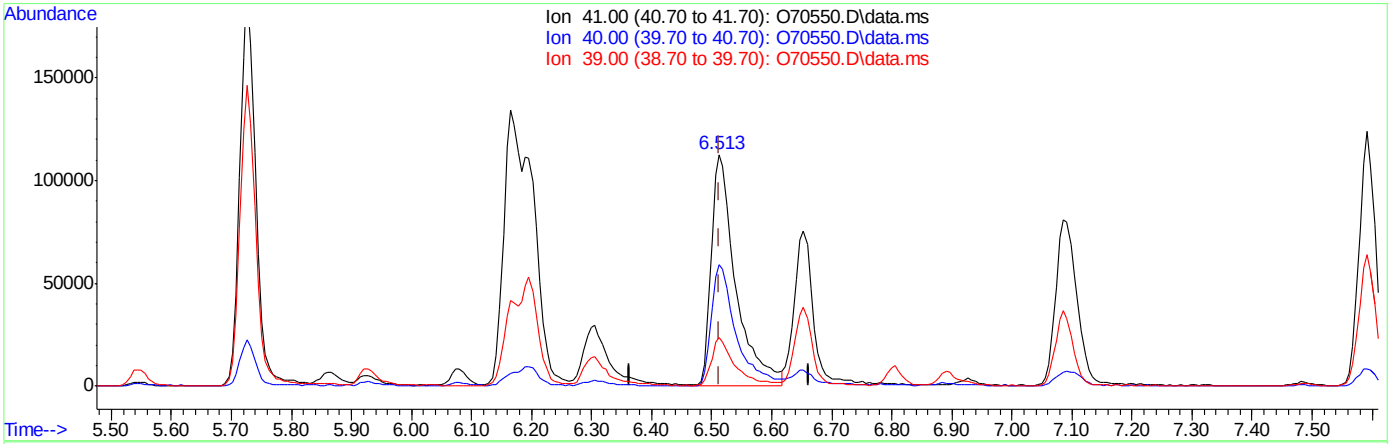
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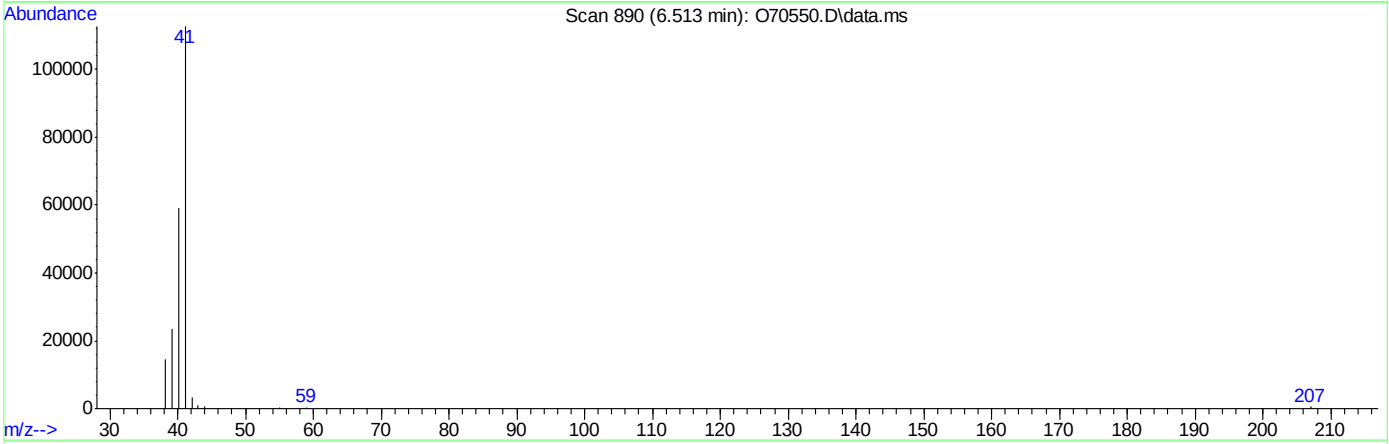
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	52.69
39.00	20.00	20.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 355.69ug/L m

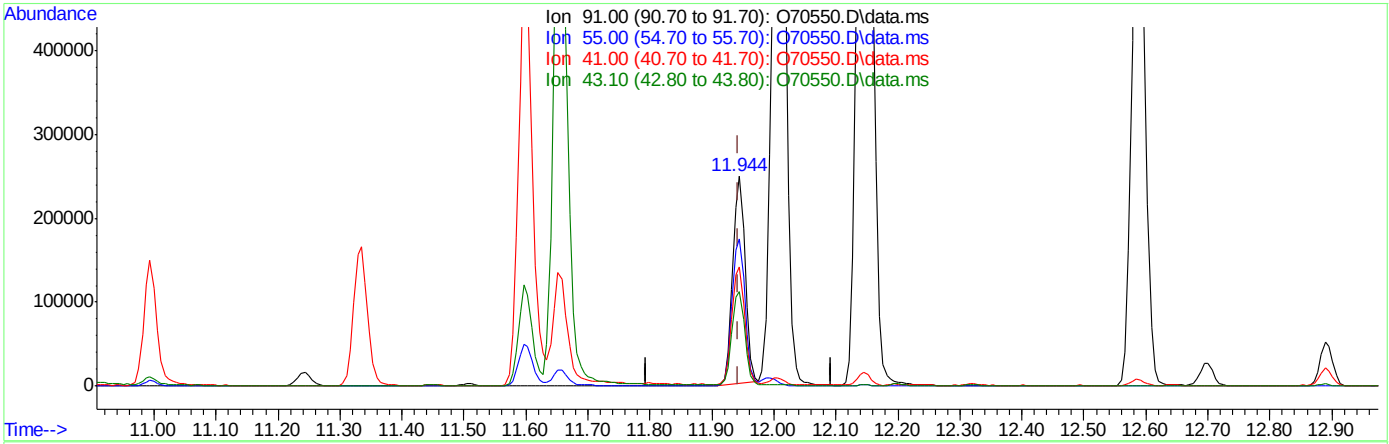
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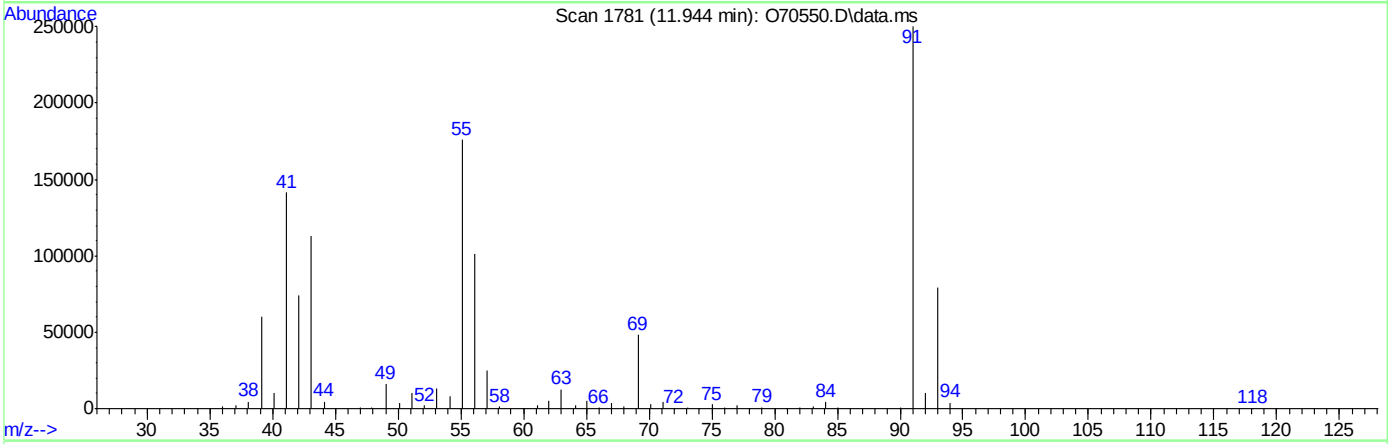
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	52.63
39.00	20.00	20.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 39.95ug/L

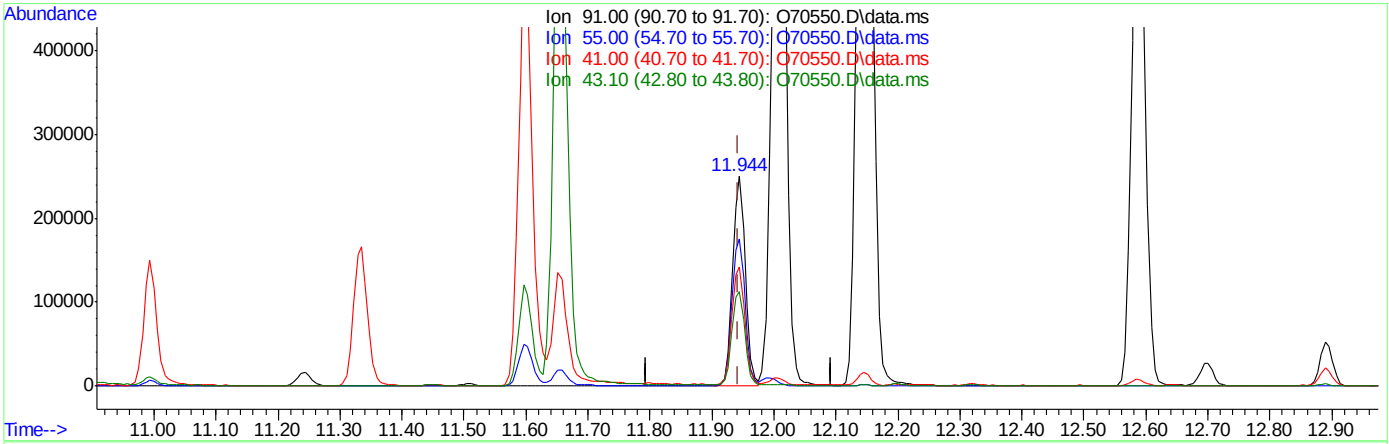
response 339291

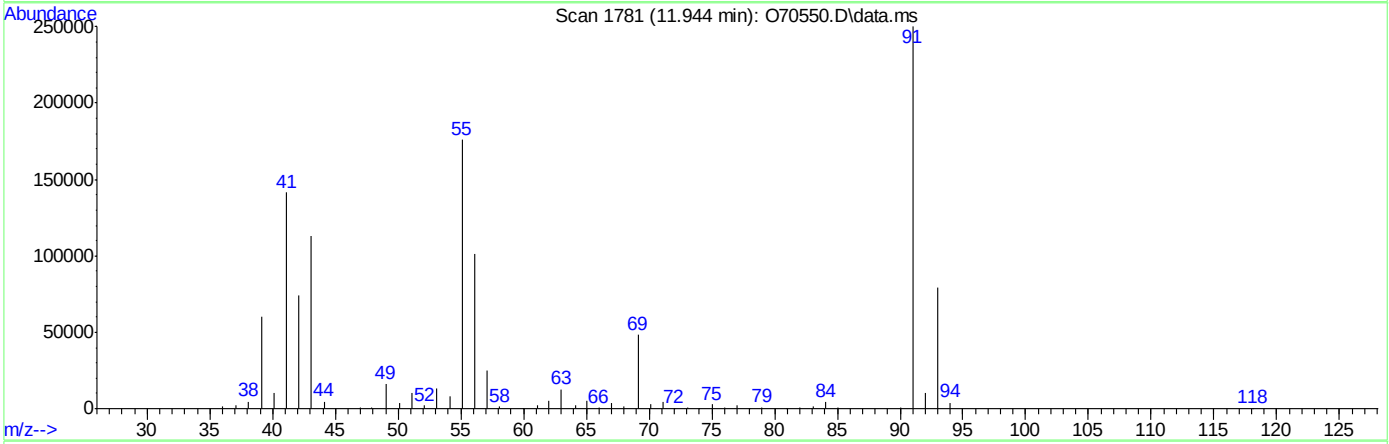
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.06
41.00	54.70	55.69
43.10	44.50	44.64

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-08-23\
Data File : O70550.D
Acq On : 23 Aug 2022 4:49 pm
Operator : joannel
Sample : ICV2796-5 Inst : MSVOA12
Misc : MS52195,VO2796,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 24 09:37:41 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70550.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 41.23ug/L m

response 350154

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.26
41.00	54.70	56.52
43.10	44.50	45.11

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 15:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:41:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1506735	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1281032	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	678437	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	427985	50.32	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.64%			
50) 1,2-Dichloroethane-d4	8.549	65	437248	49.97	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.94%			
63) Toluene-d8	10.426	98	1521723	47.38	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.76%			
86) 4-Bromofluorobenzene	13.206	174	525092	48.34	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.68%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	292327	54.46	ug/L	99
3) Chloromethane	3.202	50	269373	45.17	ug/L	100
4) 1,3-butadiene	3.379	39	195279	34.82	ug/L	99
5) Vinyl Chloride	3.349	62	308241	45.99	ug/L	99
6) Bromomethane	3.897	94	118425	35.47	ug/L	97
7) Chloroethane	4.105	64	204282	50.16	ug/L	99
8) Trichlorofluoromethane	4.330	101	460069	43.06	ug/L	99
9) Ethyl Ether	4.800	59	187451	39.43	ug/L	97
10) Ethanol	5.013	45	45146m	840.20	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	264712	43.08	ug/L	99
12) 1,1-Dichloroethene	5.086	61	364059	42.23	ug/L	98
13) Freon 113	5.141	101	264056	47.42	ug/L	95
14) Carbon Disulfide	5.129	76	669084	42.25	ug/L	100
15) Iodomethane	5.287	142	98914	28.85	ug/L	97
16) Acrolein	5.543	56	226717	195.11	ug/L	99
17) Allyl chloride	5.726	41	260034	36.39	ug/L	99
18) Methylene Chloride	5.866	49	366567	45.56	ug/L	99
19) Acetone	5.927	43	340989	196.24	ug/L	98
20) Methyl acetate	6.080	43	941237	210.08	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	350480	40.77	ug/L	98
22) Hexane	6.165	56	161251m	46.44	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	584630	39.03	ug/L	97
24) Tert Butyl Alcohol	6.305	59	200533	365.16	ug/L	95
25) Acetonitrile	6.513	41	295019m	393.16	ug/L	
26) Di-isopropyl ether	6.653	45	709799	40.34	ug/L	99
27) Chloroprene	6.805	53	58263	37.27	ug/L	96
28) 1,1-Dichloroethane	6.836	63	433241	40.81	ug/L	99
29) Acrylonitrile	6.891	52	388022	203.77	ug/L	100
30) ETBE	7.086	59	680783	39.90	ug/L	100
31) Vinyl acetate	7.110	43	2432705	207.91	ug/L	99
32) cis-1,2-Dichloroethene	7.470	96	255219	41.77	ug/L	99
33) 2,2-Dichloropropane	7.592	77	340455	40.89	ug/L	97
34) Bromochloromethane	7.695	128	142640	41.98	ug/L	97
35) Cyclohexane	7.707	56	412189	44.38	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:41:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	451571	40.16	ug/L	98
37) Ethyl acetate	7.872	43	1164413	203.34	ug/L	99
38) Tetrahydrofuran	7.957	42	72671	40.33	ug/L	95
40) Carbon Tetrachloride	7.933	117	366953	42.47	ug/L	97
41) 1,1,1-Trichloroethane	8.006	97	416640	41.89	ug/L	98
42) 2-Butanone	8.092	43	545358	190.99	ug/L	99
43) 1,1-Dichloropropene	8.140	75	341164	41.58	ug/L	99
44) tert-Butyl formate	8.244	59	770445	194.80	ug/L	99
45) Propionitrile	8.421	54	357005	379.11	ug/L	97
46) Methacrylonitrile	8.445	41	1717182	393.65	ug/L	99
47) Benzene	8.409	78	954956	40.23	ug/L	98
48) TAME	8.494	73	581101	40.27	ug/L	99
49) Isobutyl alcohol	8.567	43	158521	823.88	ug/L	97
51) 1,2-Dichloroethane	8.622	62	364369	39.59	ug/L	99
52) Tert Amyl Alcohol	8.677	59	145733	395.30	ug/L	97
53) Trichloroethene	9.012	95	272996	42.68	ug/L	99
54) Methylcyclohexane	9.012	83	351340	46.10	ug/L	98
55) Dibromomethane	9.463	93	158744	39.38	ug/L	94
56) 1,2-Dichloropropane	9.555	63	238936	40.48	ug/L	99
57) Bromodichloromethane	9.603	83	305404	40.70	ug/L	97
58) Methyl methacrylate	9.725	41	185674	37.79	ug/L	98
59) 1,4-Dioxane	9.811	88	46454	916.17	ug/L	95
60) 2-Chloroethyl vinyl ether	10.146	63	809432	200.72	ug/L	99
61) cis-1,3-Dichloropropene	10.238	75	346315	41.19	ug/L	99
64) Toluene	10.481	91	1034021	37.43	ug/L	99
65) 2-Nitropropane	10.713	41	315660	192.03	ug/L	100
66) 4-Methyl-2-pentanone	10.829	43	1188513	182.14	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	316874	39.84	ug/L	97
68) Tetrachloroethene	10.878	166	318906	38.75	ug/L	99
69) Ethyl methacrylate	10.993	69	273657	36.23	ug/L	97
70) 1,1,2-Trichloroethane	11.048	83	186898	37.46	ug/L	96
71) Dibromochloromethane	11.243	129	264250	38.40	ug/L	98
72) 1,3-Dichloropropane	11.335	76	374740	36.26	ug/L	99
73) 1,2-Dibromoethane	11.506	107	238052	37.19	ug/L	100
74) 3,3-dimethyl-1-butanol	11.597	57	878688	1931.22	ug/L	100
75) 2-hexanone	11.652	43	828577	188.29	ug/L	99
76) 1-Chlorohexane	11.944	91	311856m	41.24	ug/L	
77) Ethylbenzene	12.005	91	1202220	37.95	ug/L	99
78) Chlorobenzene	12.012	112	711069	37.70	ug/L	99
79) 1,1,1,2-Tetrachloroethane	12.060	131	254861	39.01	ug/L	97
80) m,p-Xylene	12.146	91	1853555	77.52	ug/L	99
81) o-Xylene	12.591	91	872810	37.78	ug/L	97
82) Styrene	12.639	104	658960	40.70	ug/L	98
83) Bromoform	12.700	173	161645	39.11	ug/L	99
84) Isopropylbenzene	12.889	105	1098086	39.06	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	84182	35.79	ug/L	92
88) n-Propylbenzene	13.310	91	1263525	37.53	ug/L	99
89) Bromobenzene	13.334	156	311332	36.34	ug/L	98
90) 1,1,2,2-Tetrachloroethane	13.377	83	306075	36.32	ug/L	99
91) 1,3,5-Trimethylbenzene	13.493	105	908678	37.82	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:41:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

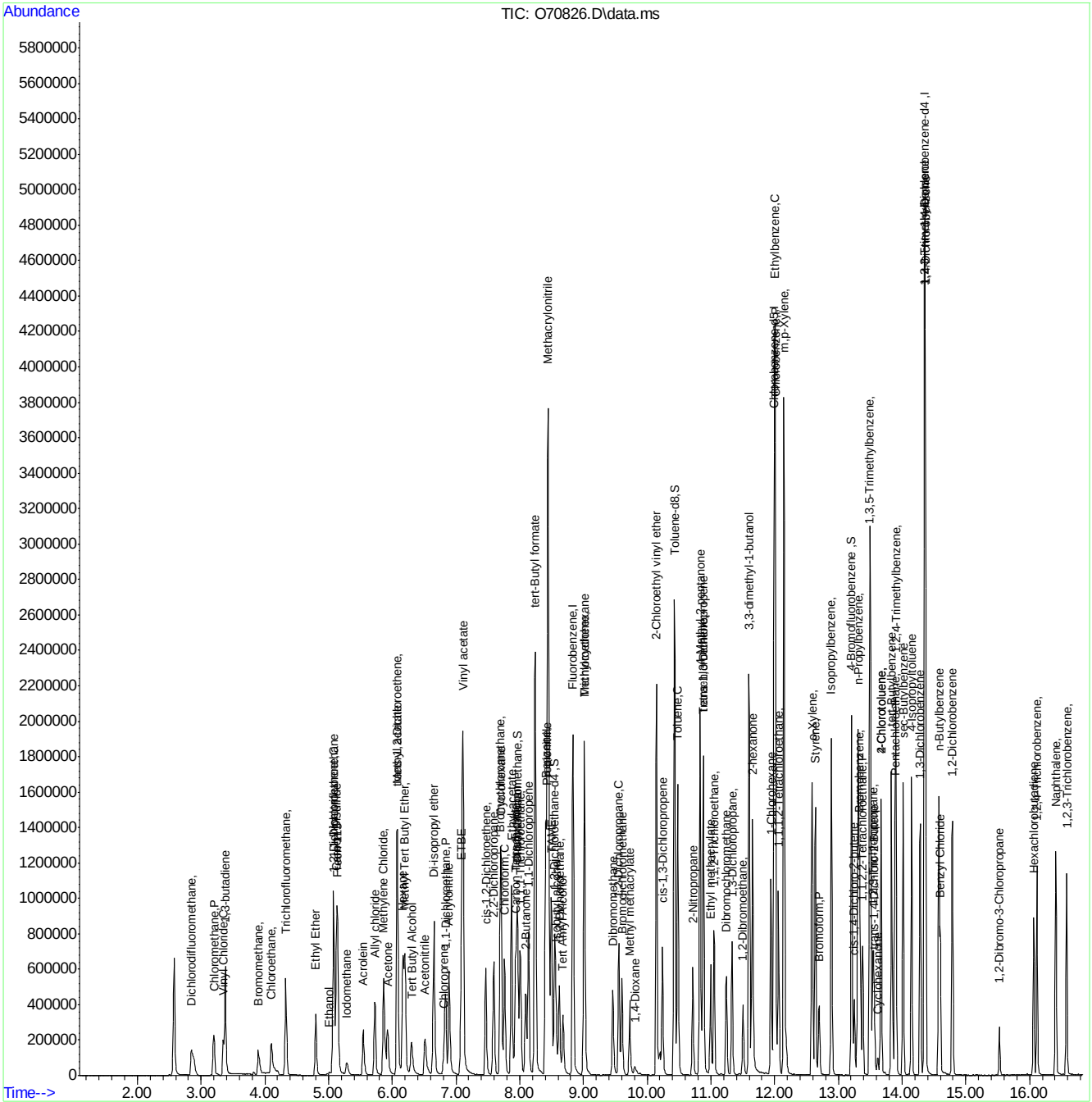
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 2-Chlorotoluene	13.670	91	768624	36.91	ug/L		99
93) trans-1,4-Dichloro-2-B...	13.566	53	79186	36.82	ug/L	#	76
94) 1,2,3-Trichloropropane	13.542	110	98848	36.71	ug/L		94
95) Cyclohexanone	13.621	55	38331	191.87	ug/L		96
96) 4-Chlorotoluene	13.670	91	768624	36.91	ug/L		100
97) tert-Butylbenzene	13.834	91	481707	37.35	ug/L		99
99) 1,2,4-Trimethylbenzene	13.901	105	889890	38.23	ug/L		99
100) Pentachloroethane	13.889	167	162876	36.36	ug/L		97
101) sec-Butylbenzene	14.017	105	984312	38.26	ug/L		100
102) 4-Isopropyltoluene	14.151	119	883857	39.20	ug/L		99
103) 1,3-Dichlorobenzene	14.285	146	542495	36.40	ug/L		98
104) 1,2,3-Trimethylbenzene	14.359	105	906639	36.74	ug/L		99
105) 1,4-Dichlorobenzene	14.365	146	589158	38.39	ug/L		97
106) n-Butylbenzene	14.578	92	434259	38.81	ug/L		99
107) Benzyl Chloride	14.602	126	96158	36.68	ug/L		97
108) 1,2-Dichlorobenzene	14.791	146	518677	36.57	ug/L		99
109) 1,2-Dibromo-3-Chloropr...	15.529	75	46154	34.61	ug/L		97
110) Hexachlorobutadiene	16.066	225	124741	38.74	ug/L		97
111) 1,2,4-Trichlorobenzene	16.121	180	307132	35.93	ug/L		99
112) Naphthalene	16.413	128	802360	36.09	ug/L		99
113) 1,2,3-Trichlorobenzene	16.584	180	302628	35.94	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:41:13 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



VO_08-23-2022.M Fri Sep 02 12:42:49 2022 Page: 4

Manual Integration Approval Summary

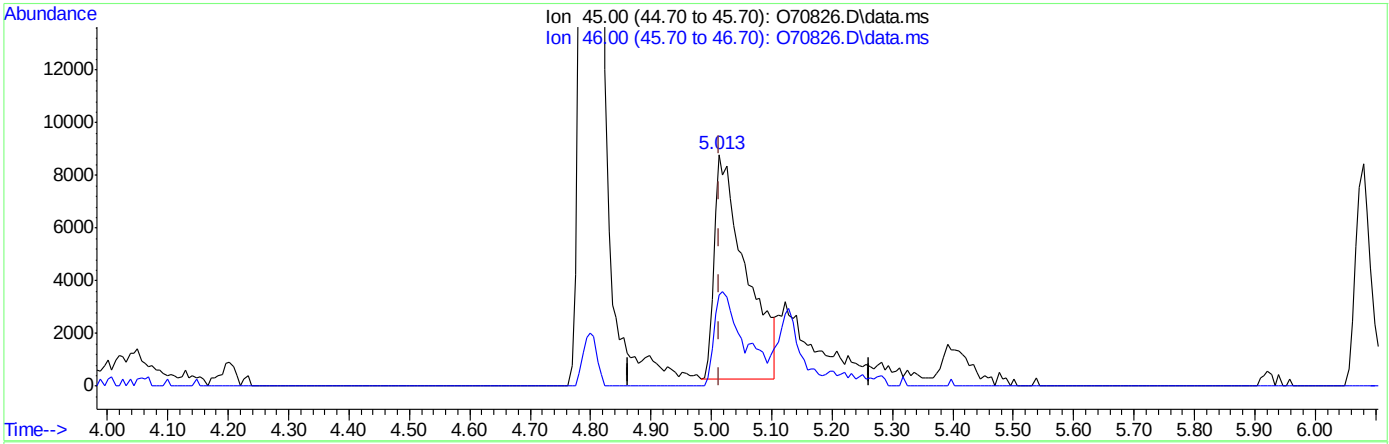
Sample Number: VO2809-CC2796
Lab FileID: O70826.D
Injection Time: 09/02/22 12:22
Method: SW846 8260D
Analyst approved: 09/02/22 12:44 Jo-Ann Lugo De Jesus
Supervisor approved: 09/07/22 15:45 Karen Watson

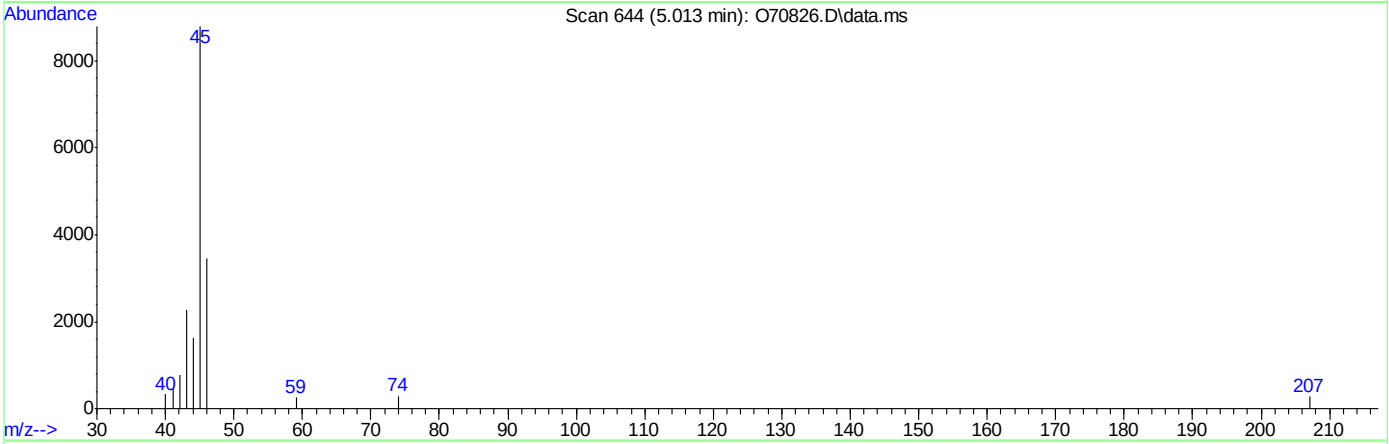
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration
1-Chlorohexane	544-10-5		11.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(10) Ethanol

5.013min (-0.000) 576.56ug/L

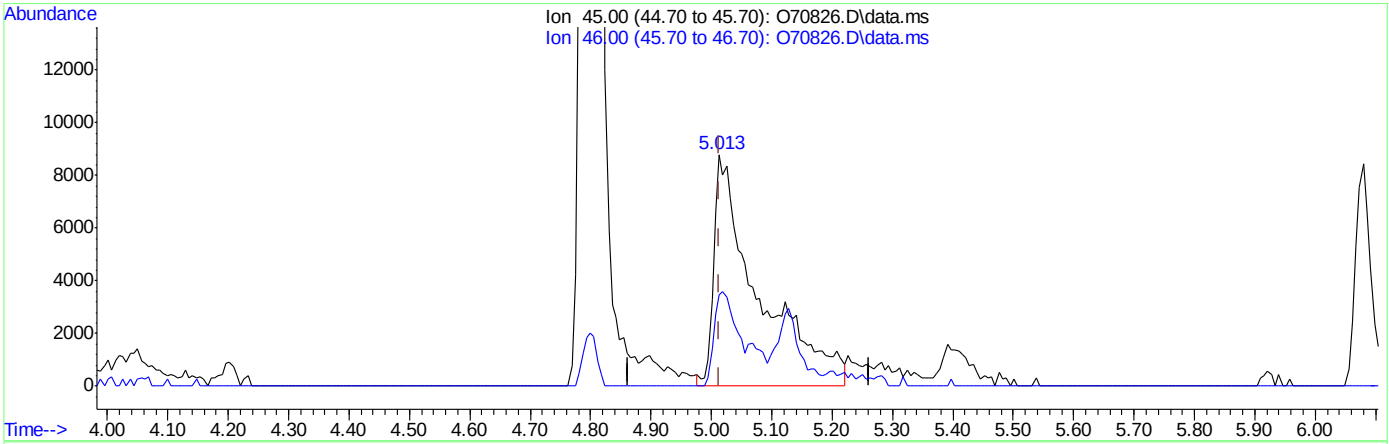
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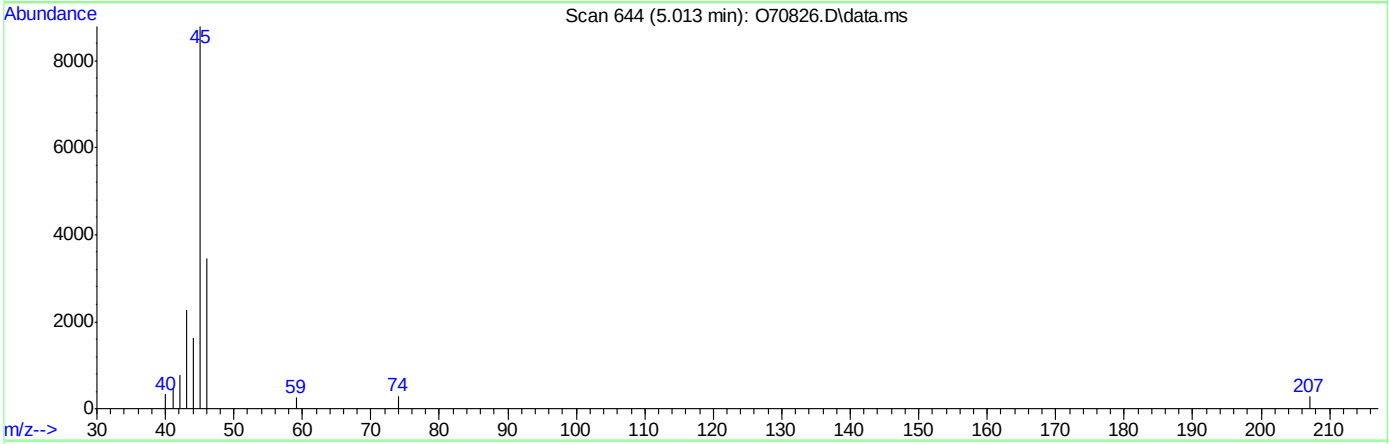
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	40.63
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(10) Ethanol

5.013min (-0.000) 840.20ug/L m

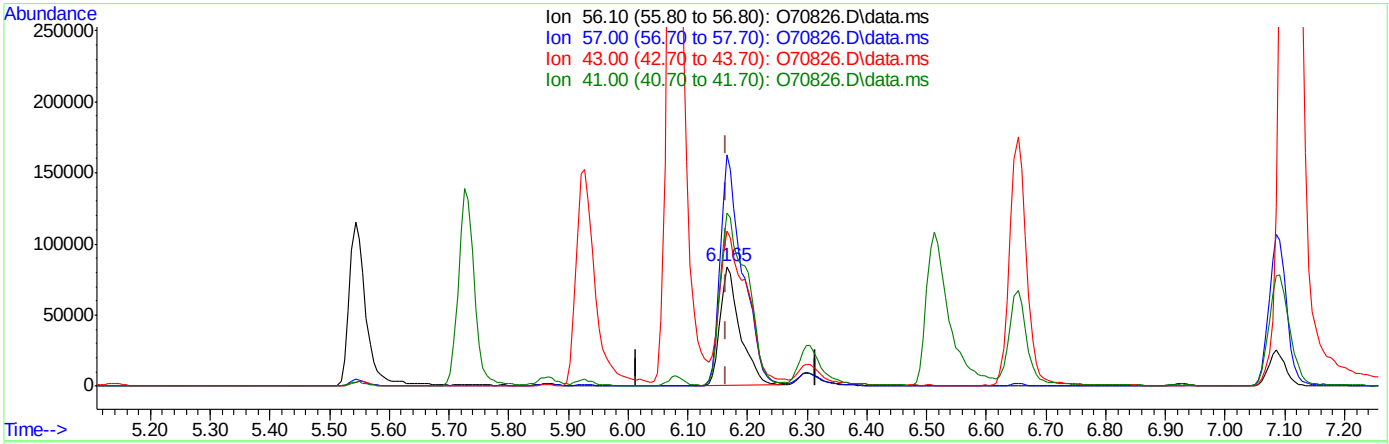
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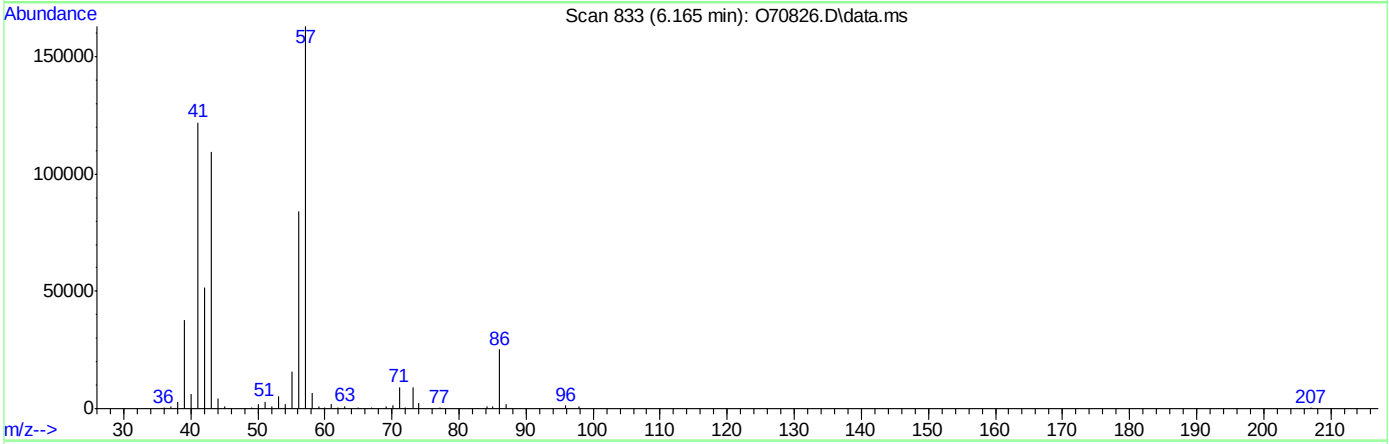
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	39.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
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Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
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Response via : Initial Calibration





TIC: O70826.D\data.ms

(22) Hexane

6.165min (+0.000) 55.27ug/L

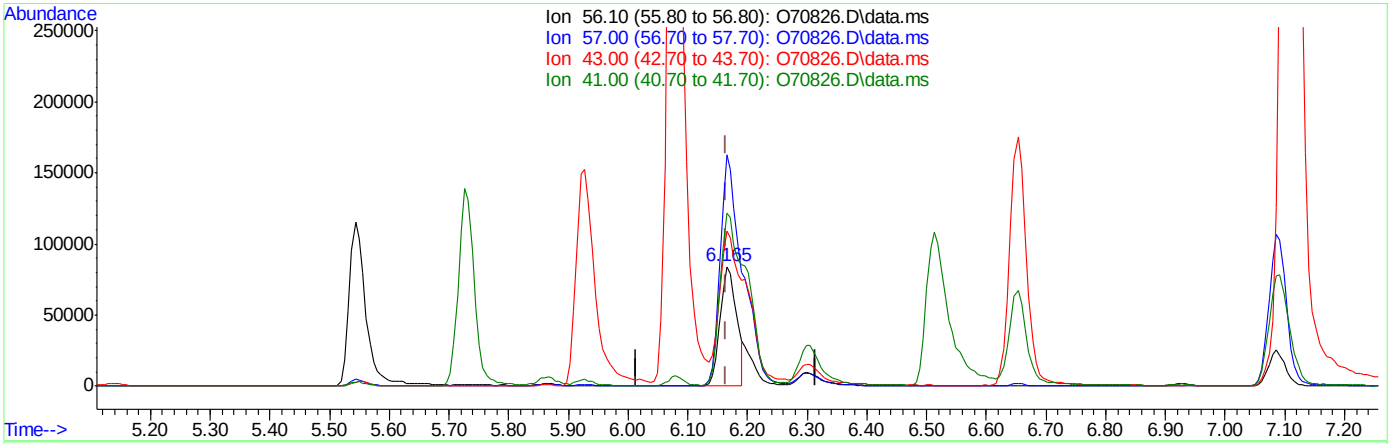
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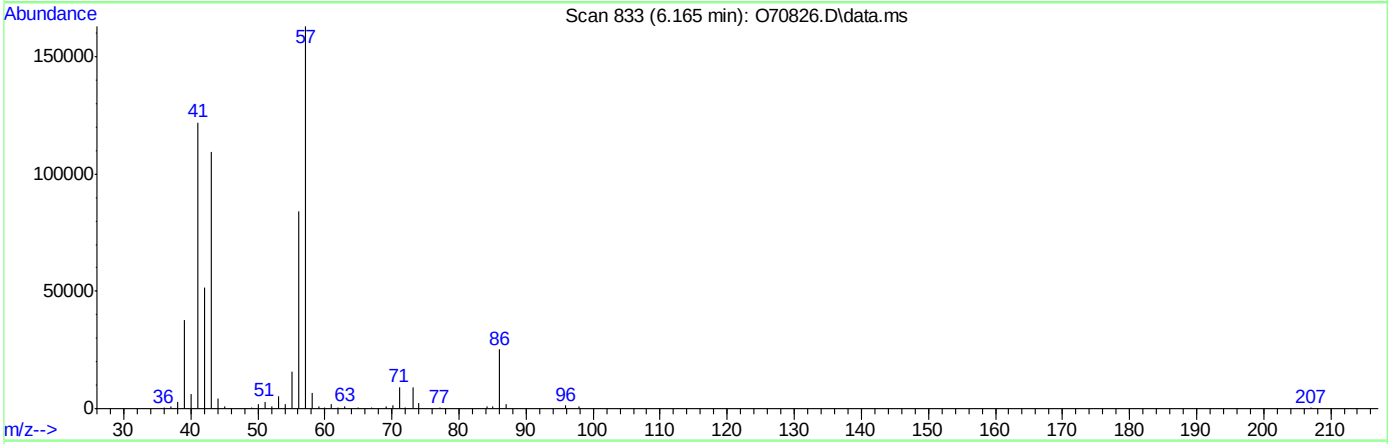
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	193.69
43.00	133.10	124.24
41.00	145.50	143.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(22) Hexane

6.165min (+0.000) 46.44ug/L m

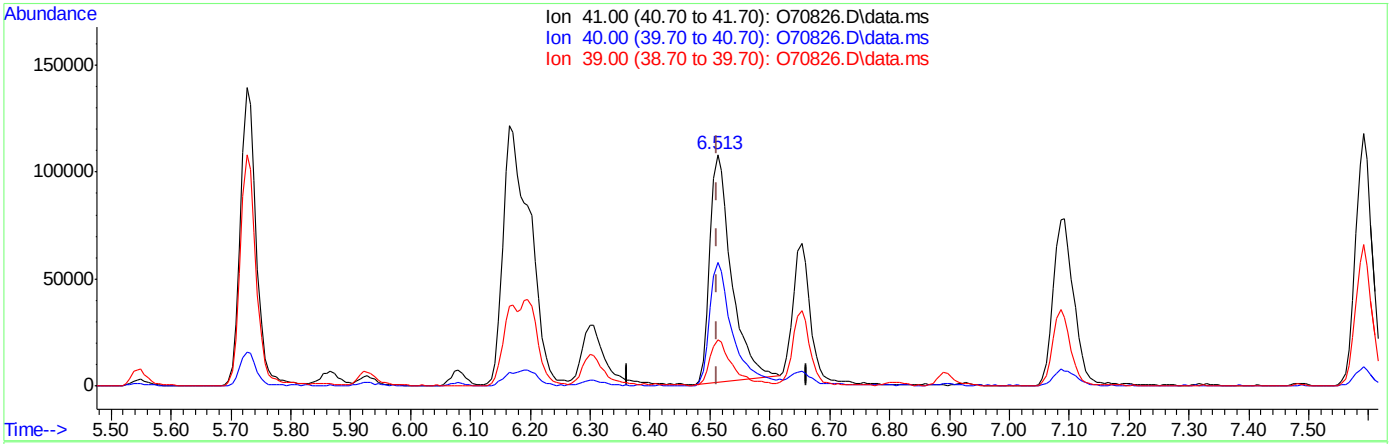
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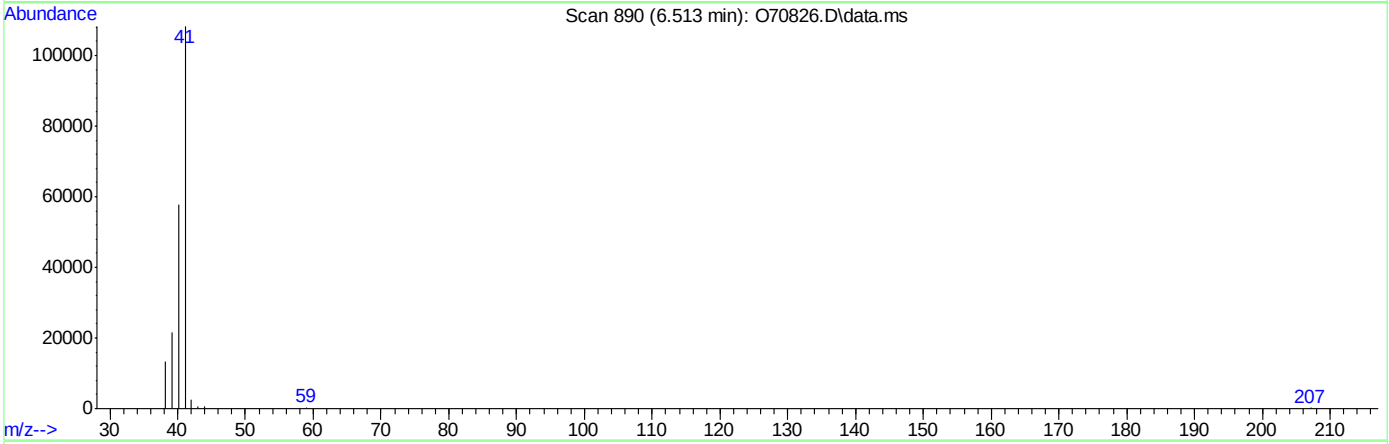
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	193.69
43.00	133.10	130.14
41.00	145.50	144.89

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 358.13ug/L

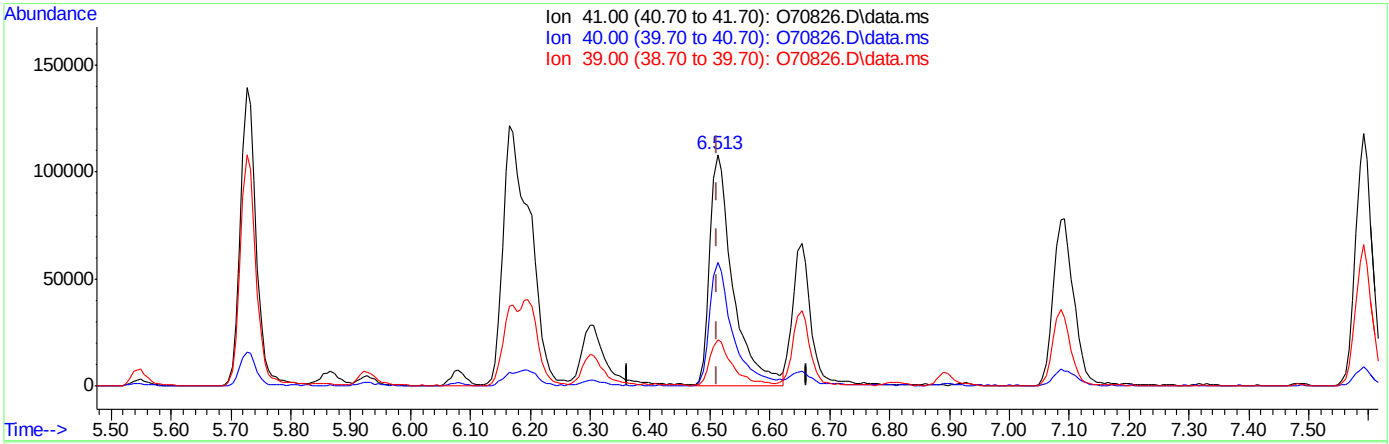
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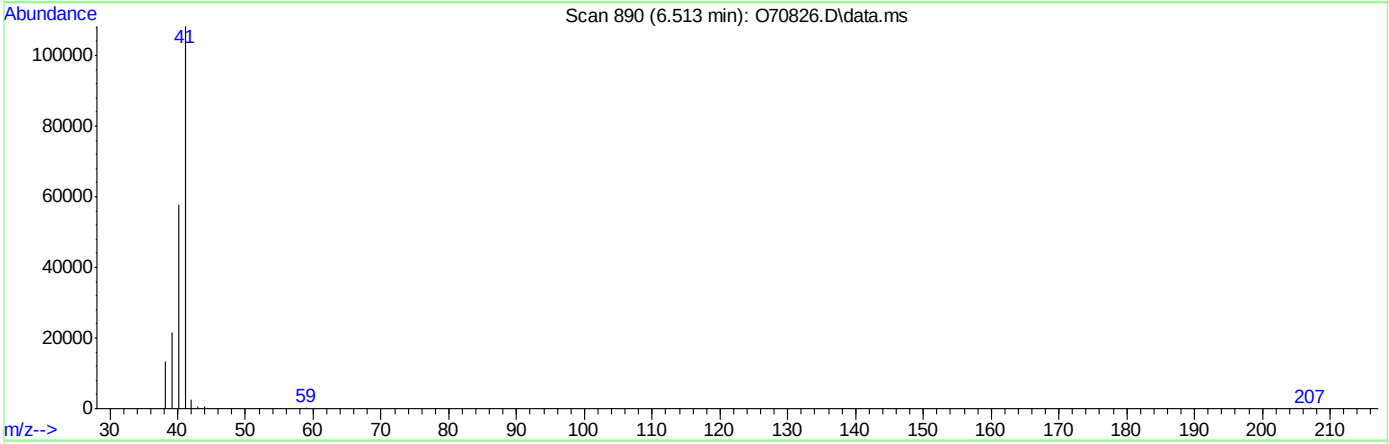
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	53.26
39.00	20.00	19.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 393.16ug/L m

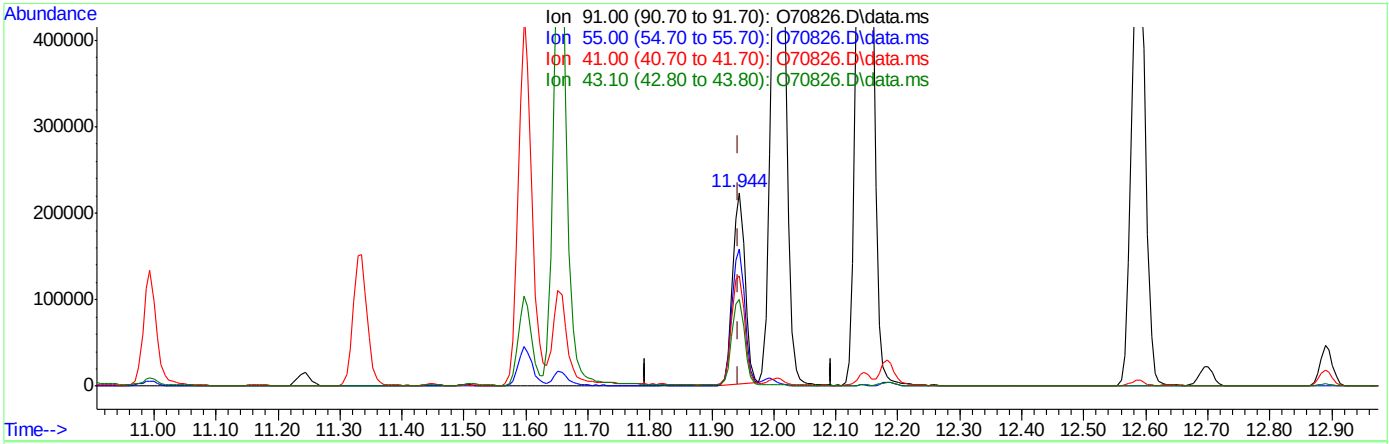
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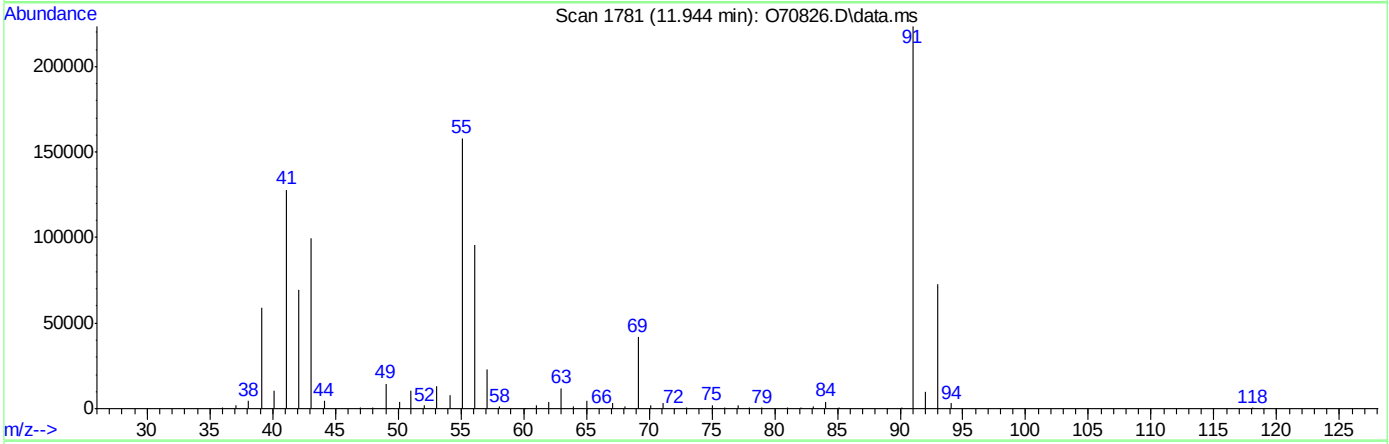
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	53.28
39.00	20.00	20.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 40.02ug/L

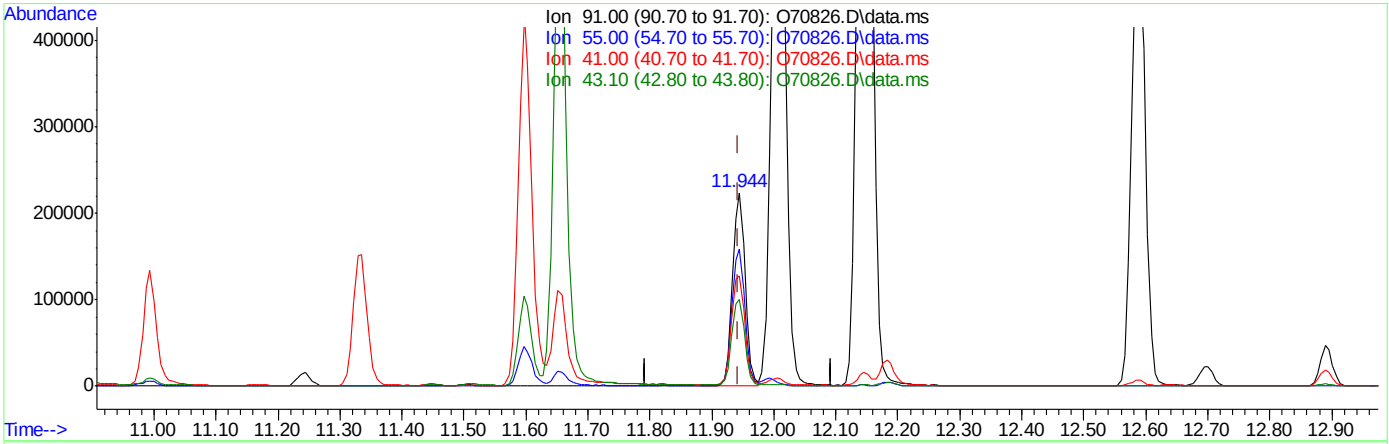
response 302608

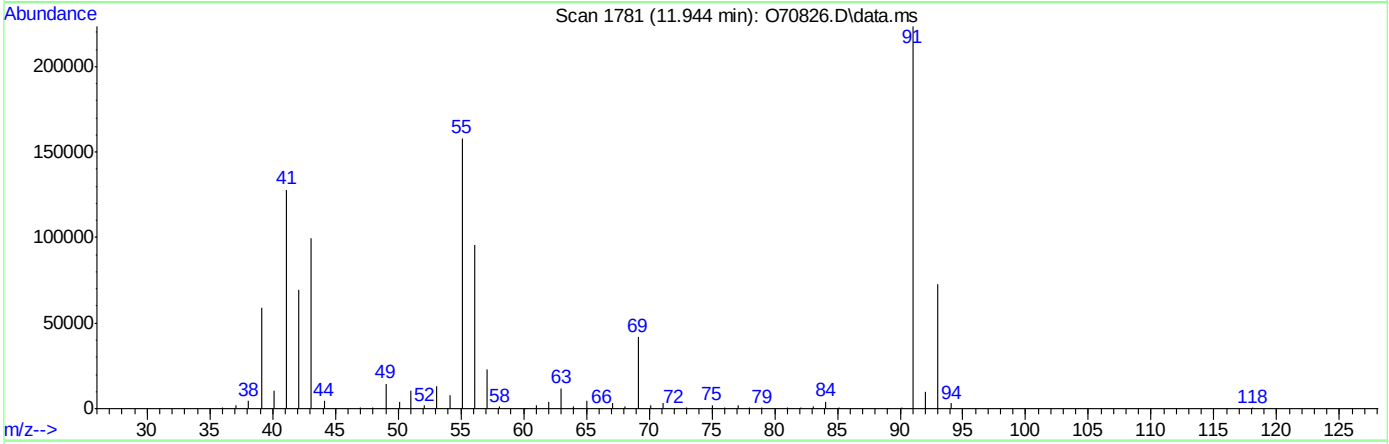
Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.33
41.00	54.70	56.46
43.10	44.50	44.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70826.D
Acq On : 2 Sep 2022 12:22 pm
Operator : joannel
Sample : CC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 12:40:31 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70826.D\data.ms

(76) 1-Chlorohexane

11.944min (+0.000) 41.24ug/L m

response 311856

Ion	Exp%	Act%
91.00	100	100
55.00	72.80	70.72
41.00	54.70	57.19
43.10	44.50	44.63

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/07/22 15:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:51:58 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.835	96	1471019	50.00	ug/L	0.00
62) Chlorobenzene-d5	11.993	117	1240766	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	14.353	152	653354	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	7.964	113	408940	49.25	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.50%			
50) 1,2-Dichloroethane-d4	8.549	65	415973	48.69	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.38%			
63) Toluene-d8	10.427	98	1485145	47.74	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.48%			
86) 4-Bromofluorobenzene	13.206	174	508119	48.57	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.14%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.849	85	292833	55.88	ug/L	98
3) Chloromethane	3.196	50	273319	46.97	ug/L	100
4) 1,3-butadiene	3.379	39	201206	36.78	ug/L	96
5) Vinyl Chloride	3.349	62	308794	47.21	ug/L	99
6) Bromomethane	3.897	94	126783	38.94	ug/L	99
7) Chloroethane	4.105	64	201072	50.70	ug/L	97
8) Trichlorofluoromethane	4.330	101	453764	43.50	ug/L	98
9) Ethyl Ether	4.800	59	187574	40.41	ug/L	96
10) Ethanol	5.013	45	38306m	733.78	ug/L	
11) 1,2-Dichlorotrifluoroe...	5.074	67	259333	43.23	ug/L	98
12) 1,1-Dichloroethene	5.086	61	365984	43.49	ug/L	99
13) Freon 113	5.141	101	254770	46.89	ug/L	98
14) Carbon Disulfide	5.129	76	661825	42.77	ug/L	99
15) Iodomethane	5.287	142	128305	36.09	ug/L	97
16) Acrolein	5.543	56	192520	169.71	ug/L	100
17) Allyl chloride	5.726	41	254247	36.44	ug/L	97
18) Methylene Chloride	5.866	49	366578	46.67	ug/L	99
19) Acetone	5.927	43	313046	184.77	ug/L	100
20) Methyl acetate	6.080	43	914012	208.95	ug/L	99
21) trans-1,2-Dichloroethene	6.074	61	351459	41.88	ug/L	97
22) Hexane	6.165	56	154526m	45.63	ug/L	
23) Methyl Tert Butyl Ether	6.196	73	588039	40.21	ug/L	98
24) Tert Butyl Alcohol	6.299	59	185928	346.79	ug/L	96
25) Acetonitrile	6.513	41	268407m	366.46	ug/L	
26) Di-isopropyl ether	6.653	45	711324	41.41	ug/L	99
27) Chloroprene	6.805	53	57240	37.49	ug/L	97
28) 1,1-Dichloroethane	6.836	63	435459	42.02	ug/L	98
29) Acrylonitrile	6.891	52	363489	195.52	ug/L	97
30) ETBE	7.086	59	693027	41.61	ug/L	98
31) Vinyl acetate	7.110	43	2214939	193.90	ug/L	100
32) cis-1,2-Dichloroethene	7.470	96	255298	42.78	ug/L	98
33) 2,2-Dichloropropane	7.592	77	282144	34.71	ug/L	97
34) Bromochloromethane	7.695	128	141224	42.57	ug/L	97
35) Cyclohexane	7.708	56	412828	45.53	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:51:58 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Chloroform	7.762	83	450533	41.04	ug/L	97
37) Ethyl acetate	7.872	43	1074116	192.13	ug/L	100
38) Tetrahydrofuran	7.957	42	67170	38.20	ug/L	92
40) Carbon Tetrachloride	7.933	117	362126	42.93	ug/L	98
41) 1,1,1-Trichloroethane	8.006	97	417401	42.99	ug/L	100
42) 2-Butanone	8.092	43	491664	176.37	ug/L	99
43) 1,1-Dichloropropene	8.140	75	339627	42.39	ug/L	98
44) tert-Butyl formate	8.244	59	746646	193.36	ug/L	98
45) Propionitrile	8.421	54	324765	354.04	ug/L	99
46) Methacrylonitrile	8.445	41	1618866	380.24	ug/L	99
47) Benzene	8.409	78	959808	41.42	ug/L	97
48) TAME	8.494	73	589638	41.80	ug/L	99
49) Isobutyl alcohol	8.567	43	134768	721.05	ug/L	99
51) 1,2-Dichloroethane	8.622	62	362076	40.29	ug/L	98
52) Tert Amyl Alcohol	8.677	59	125542	348.80	ug/L	94
53) Trichloroethene	9.012	95	268877	43.04	ug/L	99
54) Methylcyclohexane	9.012	83	346506	46.53	ug/L	97
55) Dibromomethane	9.457	93	157821	40.10	ug/L	95
56) 1,2-Dichloropropane	9.555	63	244604	42.44	ug/L	96
57) Bromodichloromethane	9.604	83	302193	41.25	ug/L	99
58) Methyl methacrylate	9.725	41	178178	37.19	ug/L	98
59) 1,4-Dioxane	9.805	88	40376	812.59	ug/L	93
60) 2-Chloroethyl vinyl ether	10.146	63	784915	199.46	ug/L	99
61) cis-1,3-Dichloropropene	10.238	75	333857	40.67	ug/L	97
64) Toluene	10.481	91	1036178	38.73	ug/L	99
65) 2-Nitropropane	10.713	41	277312	174.17	ug/L	96
66) 4-Methyl-2-pentanone	10.829	43	1119659	177.16	ug/L	99
67) trans-1,3-Dichloropropene	10.884	75	302669	39.29	ug/L	94
68) Tetrachloroethene	10.884	166	344715	43.24	ug/L	95
69) Ethyl methacrylate	10.993	69	267106	36.50	ug/L	97
70) 1,1,2-Trichloroethane	11.048	83	185244	38.33	ug/L	96
71) Dibromochloromethane	11.243	129	257390	38.62	ug/L	99
72) 1,3-Dichloropropane	11.335	76	369131	36.88	ug/L	99
73) 1,2-Dibromoethane	11.506	107	234431	37.82	ug/L	97
74) 3,3-dimethyl-1-butanol	11.597	57	786826	1801.10	ug/L	100
75) 2-hexanone	11.652	43	760656	178.46	ug/L	100
76) 1-Chlorohexane	11.945	91	297707	40.65	ug/L	98
77) Ethylbenzene	12.005	91	1193679	38.90	ug/L	99
78) Chlorobenzene	12.012	112	704571	38.57	ug/L	100
79) 1,1,1,2-Tetrachloroethane	12.060	131	254115	40.16	ug/L	97
80) m,p-Xylene	12.146	91	1838101	79.37	ug/L	99
81) o-Xylene	12.585	91	875469	39.12	ug/L	100
82) Styrene	12.640	104	654540	41.74	ug/L	99
83) Bromoform	12.700	173	150144	37.51	ug/L	99
84) Isopropylbenzene	12.889	105	1098310	40.33	ug/L	99
87) cis-1,4-Dichloro-2-butene	13.249	53	70937	31.64	ug/L	90
88) n-Propylbenzene	13.310	91	1249980	38.56	ug/L	99
89) Bromobenzene	13.335	156	310825	37.67	ug/L	98
90) 1,1,2,2-Tetrachloroethane	13.377	83	290158	35.75	ug/L	99
91) 1,3,5-Trimethylbenzene	13.493	105	905575	39.14	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:51:58 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration

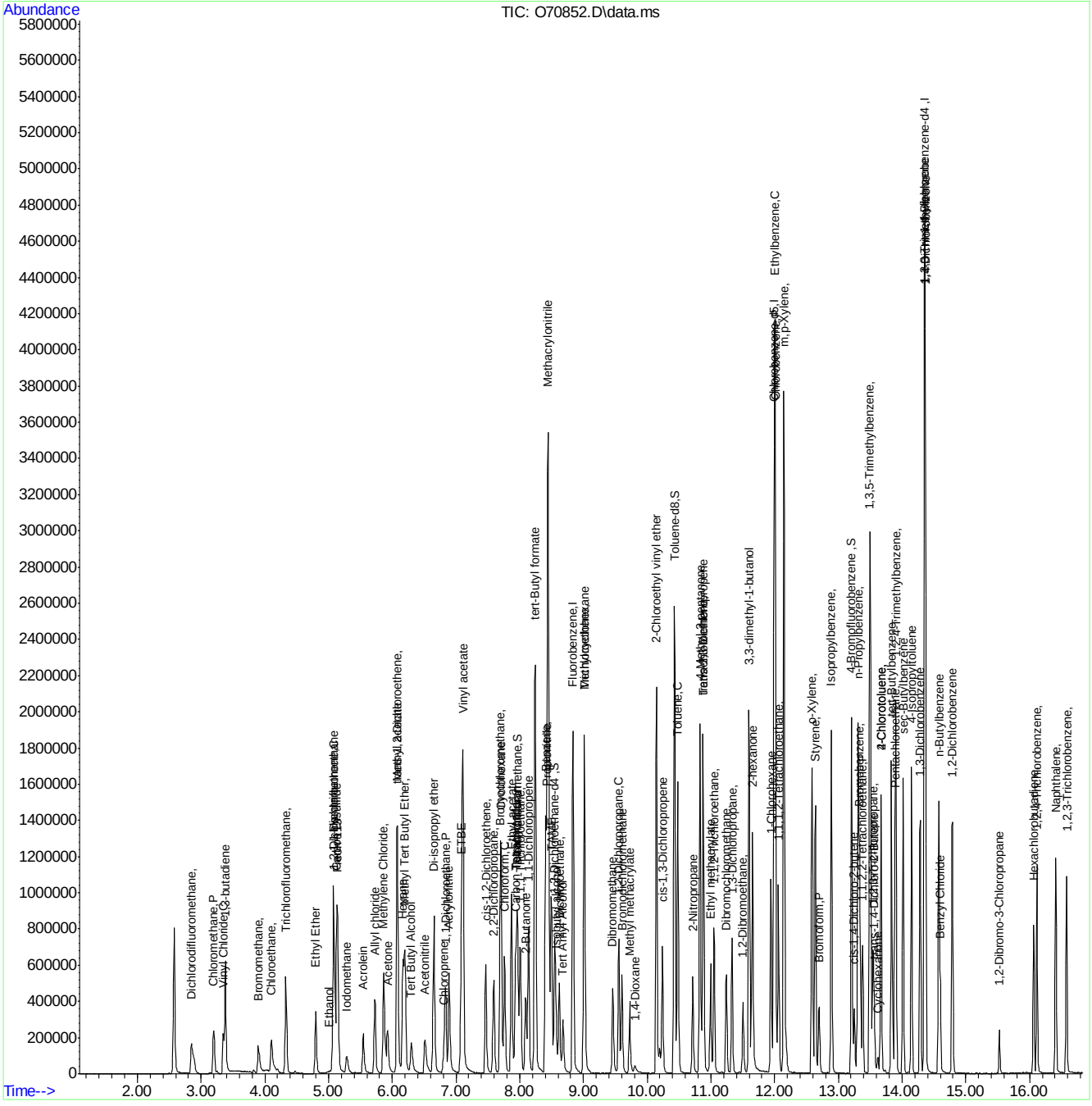
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	2-Chlorotoluene	13.670	91	762155	38.00	ug/L		100
93)	trans-1,4-Dichloro-2-B...	13.566	53	65998	31.86	ug/L	#	75
94)	1,2,3-Trichloropropane	13.542	110	94756	36.54	ug/L		96
95)	Cyclohexanone	13.621	55	33687	175.07	ug/L		98
96)	4-Chlorotoluene	13.670	91	762155	38.00	ug/L		99
97)	tert-Butylbenzene	13.834	91	478062	38.49	ug/L		98
99)	1,2,4-Trimethylbenzene	13.901	105	874100	38.99	ug/L		98
100)	Pentachloroethane	13.889	167	136251	31.80	ug/L		97
101)	sec-Butylbenzene	14.017	105	976511	39.41	ug/L		99
102)	4-Isopropyltoluene	14.145	119	870807	40.10	ug/L		98
103)	1,3-Dichlorobenzene	14.286	146	541807	37.75	ug/L		99
104)	1,2,3-Trimethylbenzene	14.359	105	905533	38.10	ug/L		99
105)	1,4-Dichlorobenzene	14.365	146	582338	39.39	ug/L		97
106)	n-Butylbenzene	14.578	92	408288	37.89	ug/L		100
107)	Benzyl Chloride	14.603	126	64577	26.88	ug/L		100
108)	1,2-Dichlorobenzene	14.792	146	511567	37.46	ug/L		99
109)	1,2-Dibromo-3-Chloropr...	15.529	75	41760	32.52	ug/L		97
110)	Hexachlorobutadiene	16.066	225	118787	38.30	ug/L		98
111)	1,2,4-Trichlorobenzene	16.121	180	301420	36.62	ug/L		98
112)	Naphthalene	16.413	128	777963	36.33	ug/L		99
113)	1,2,3-Trichlorobenzene	16.584	180	297320	36.66	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:51:58 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration



Manual Integration Approval Summary

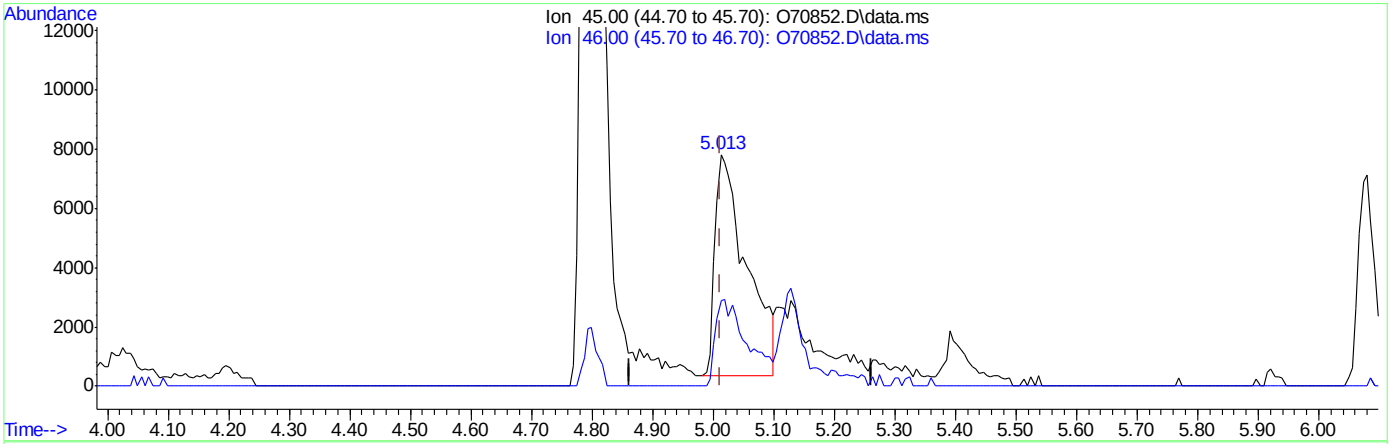
Sample Number: VO2809-ECC2796
Lab FileID: O70852.D
Injection Time: 09/02/22 23:09
Method: SW846 8260D
Analyst approved: 09/07/22 14:58 Adelard Lefebvre
Supervisor approved: 09/07/22 15:45 Karen Watson

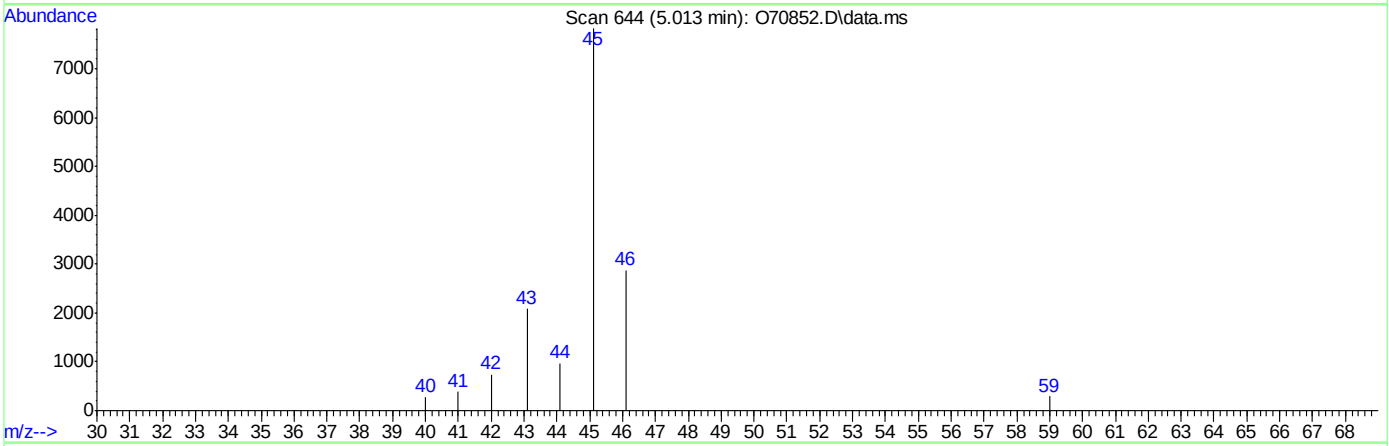
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		5.01	Poor instrument integration
Hexane	110-54-3		6.17	Overlapping peak
Acetonitrile	75-05-8		6.51	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:50:24 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70852.D\data.ms

(10) Ethanol

5.013min (-0.000) 518.02ug/L

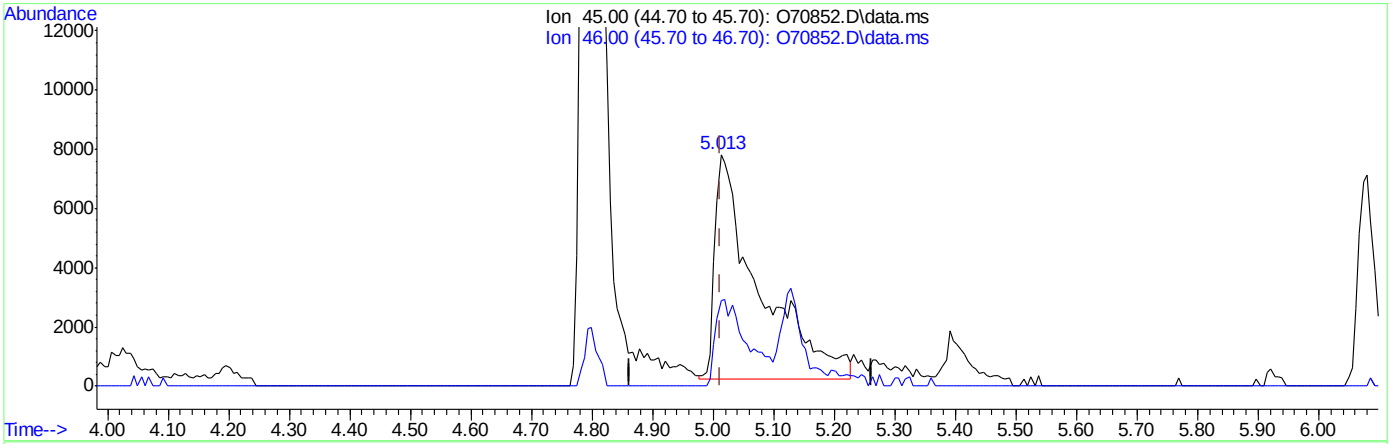
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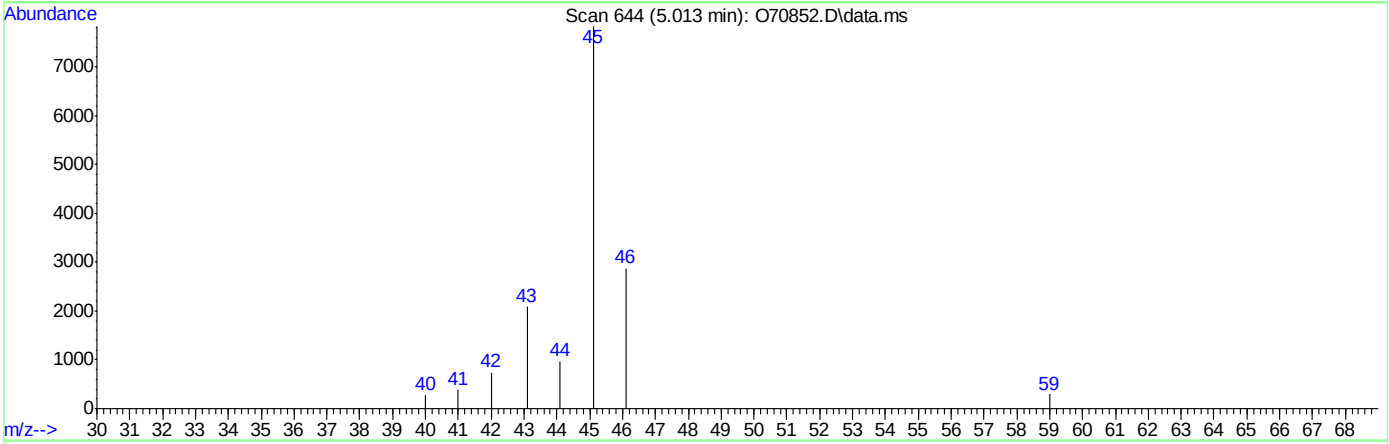
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	38.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:50:24 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70852.D\data.ms

(10) Ethanol

5.013min (-0.000) 733.78ug/L m

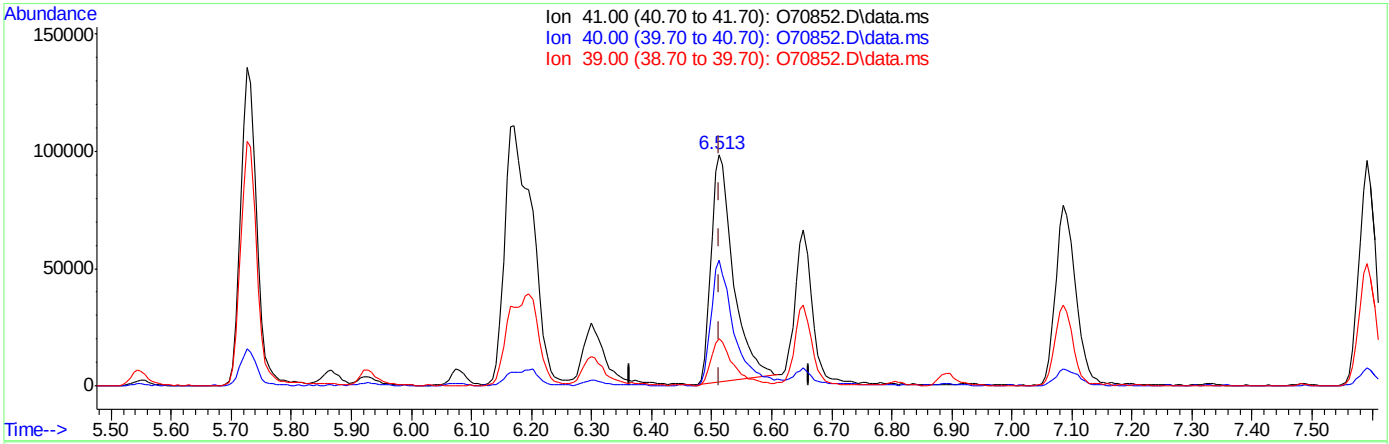
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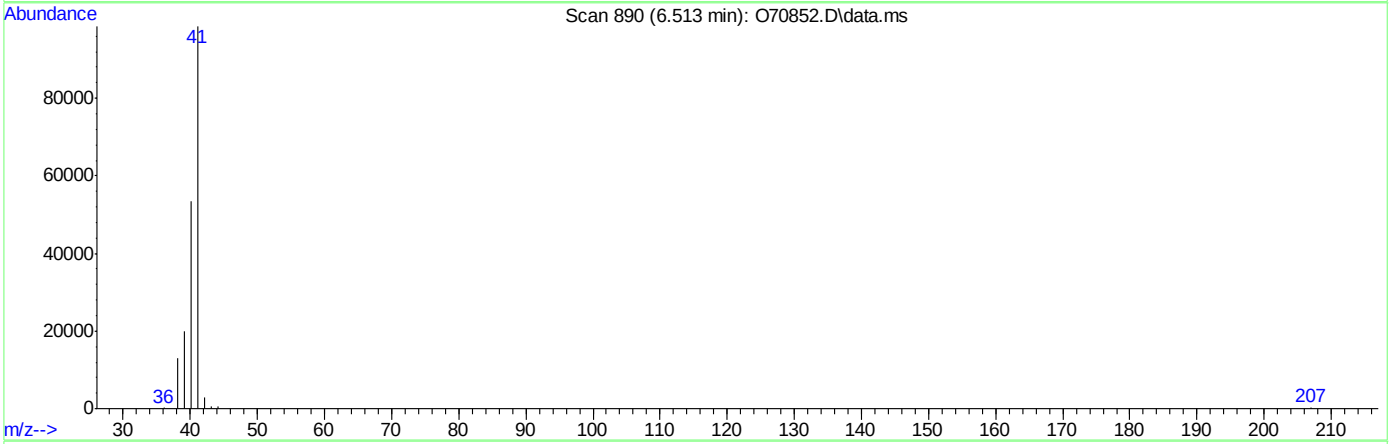
Ion	Exp%	Act%
45.00	100	100
46.00	37.00	36.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:50:24 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70852.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 335.94ug/L

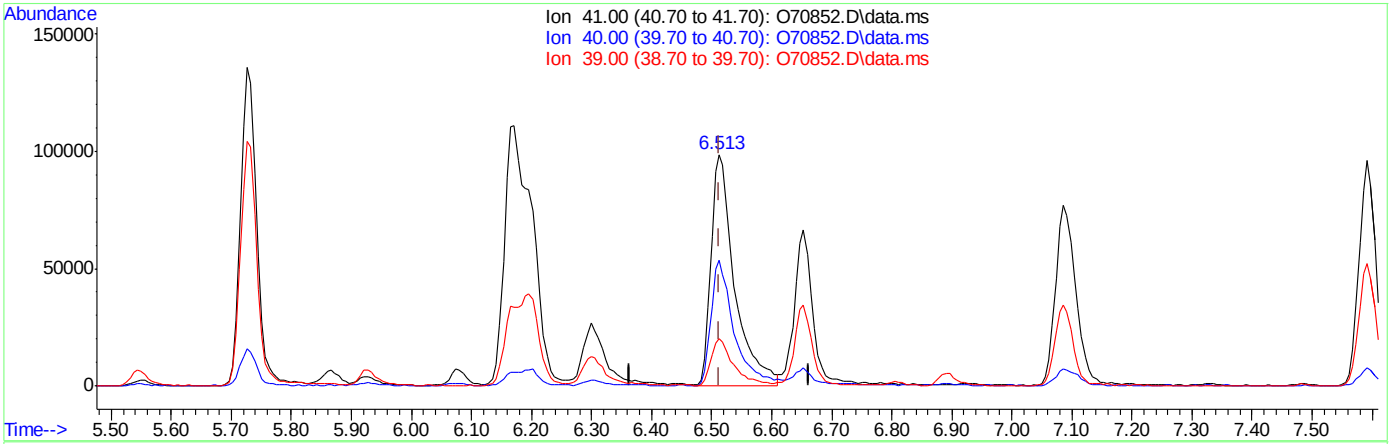
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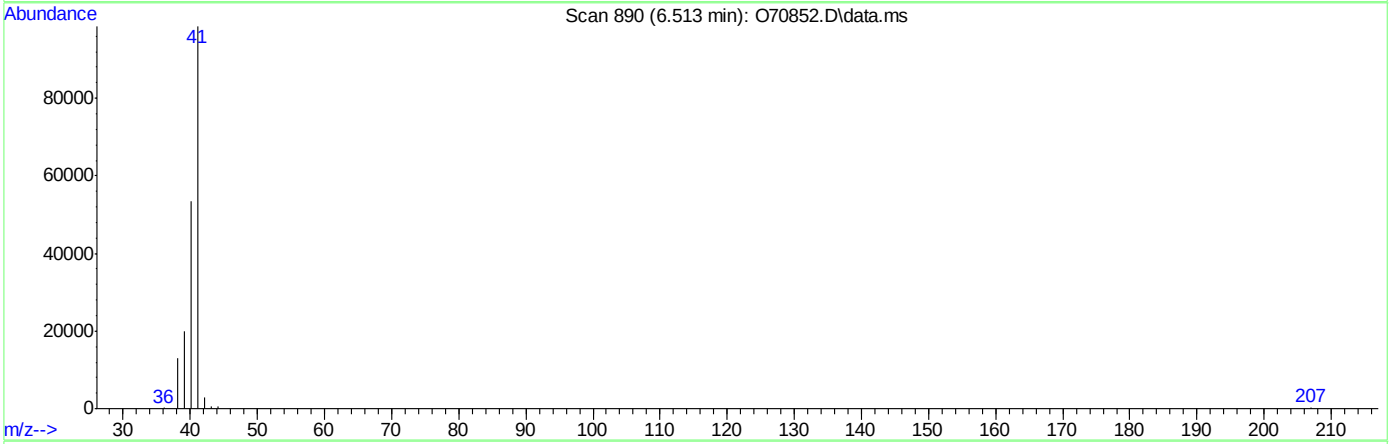
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.25
39.00	20.00	20.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:50:24 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70852.D\data.ms

(25) Acetonitrile

6.513min (-0.000) 366.46ug/L m

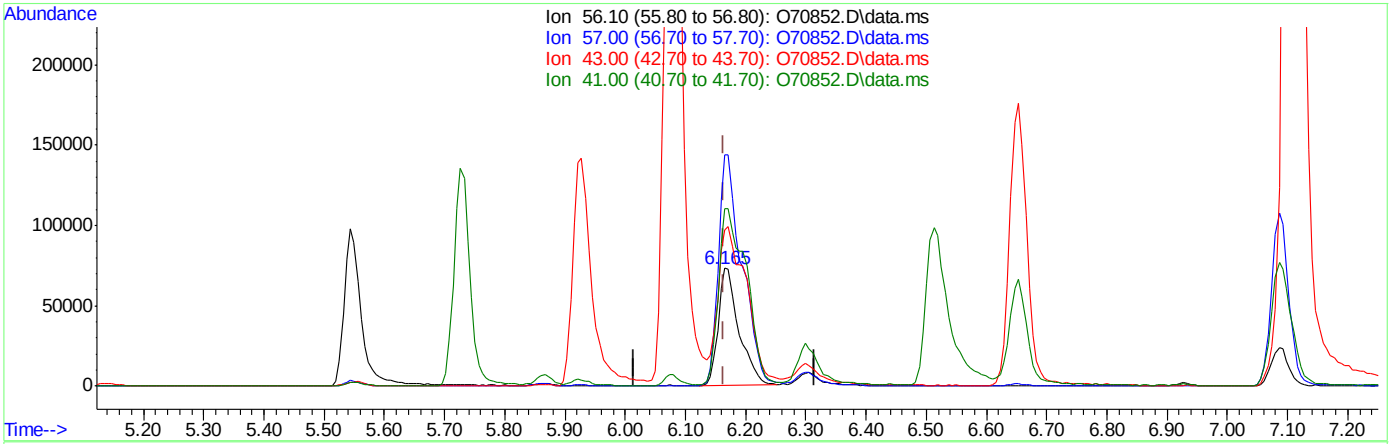
response 268407

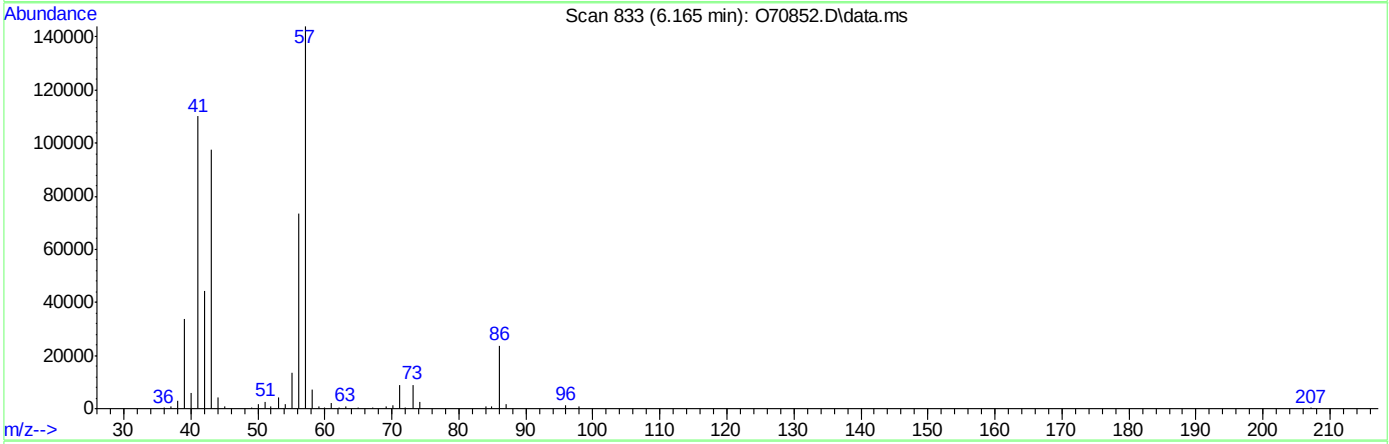
Ion	Exp%	Act%
41.00	100	100
40.00	53.20	54.17
39.00	20.00	20.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:50:24 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70852.D\data.ms

(22) Hexane

6.165min (+0.000) 51.48ug/L

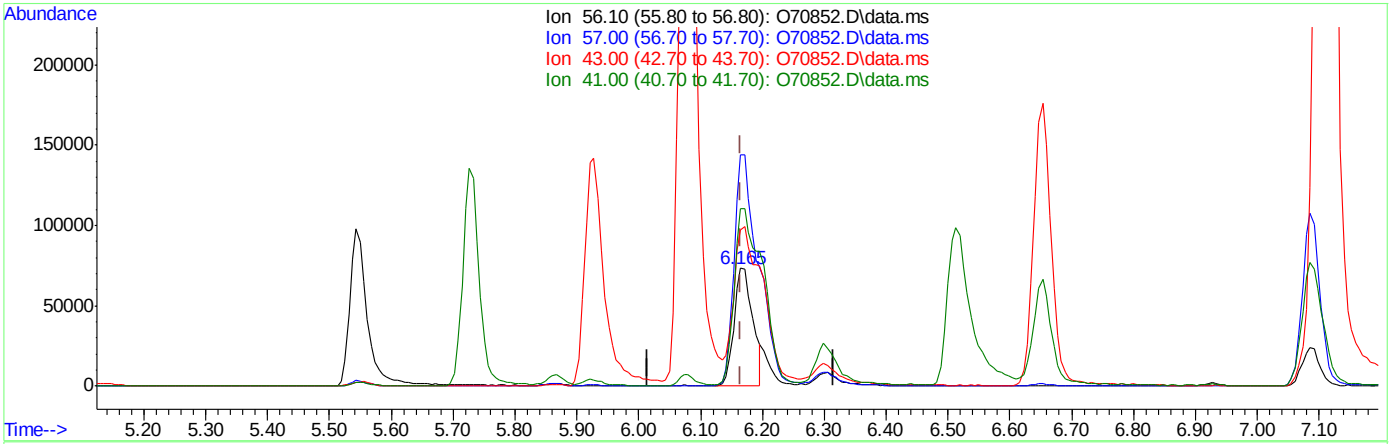
response 175565

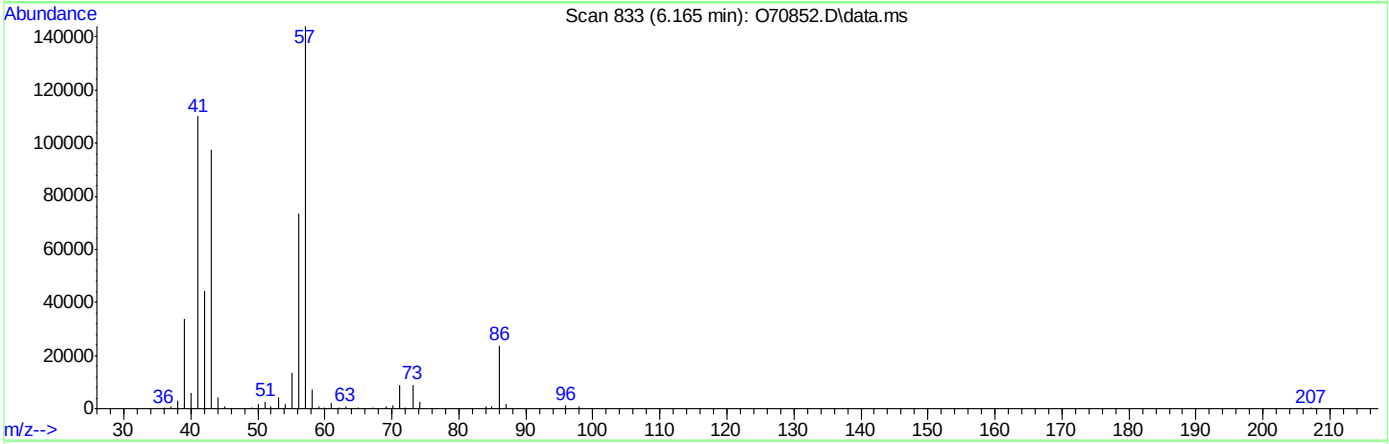
Ion	Exp%	Act%
56.10	100	100
57.00	197.60	195.88
43.00	133.10	125.93
41.00	145.50	148.77

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2022-09-02\
Data File : O70852.D
Acq On : 2 Sep 2022 11:09 pm
Operator : joannel
Sample : ECC2796-5 Inst : MSVOA12
Misc : MS52195,VO2809,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 14:50:24 2022
Quant Method : C:\msdchem\2\methods\VO_08-23-2022.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Aug 24 09:37:25 2022
Response via : Initial Calibration





TIC: O70852.D\data.ms

(22) Hexane

6.165min (+0.000) 45.63ug/L m

response 154526

Ion	Exp%	Act%
56.10	100	100
57.00	197.60	195.88
43.00	133.10	132.65
41.00	145.50	149.91

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:45:07 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	9.497	96	675482	50.00	ug/L		0.00
62) Chlorobenzene-d5	12.150	117	548327	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	262346	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.603	113	144495	47.33	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.66%				
49) 1,2-Dichloroethane-d4	9.205	65	181738	47.92	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.84%				
63) Toluene-d8	10.933	98	675098	48.48	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.96%				
86) 4-Bromofluorobenzene	13.008	174	201243	50.09	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.18%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.848	85	3808	1.35	ug/L		94
3) Acrolein	5.598	56	2593	2.40	ug/L		73
4) Chloromethane	3.171	50	4503	1.05	ug/L		87
5) 1,3-butadiene	3.341	39	3276	0.88	ug/L		100
6) Vinyl Chloride	3.304	62	5272	1.27	ug/L		94
8) Chloroethane	4.034	64	3032	2.68	ug/L		99
9) Trichlorofluoromethane	4.259	101	4770	1.02	ug/L		100
10) Ethyl Ether	4.746	59	2901	1.01	ug/L	#	84
12) 1,2-Dichlorotrifluoroe...	5.032	67	3334	1.16	ug/L	#	76
13) 1,1-Dichloroethene	5.056	61	4453	1.04	ug/L		95
14) Freon 113	5.111	101	3041	1.08	ug/L	#	83
15) Carbon Disulfide	5.111	76	8476	1.01	ug/L		93
17) Allyl chloride	5.799	41	2824	0.60	ug/L		89
18) Methylene Chloride	5.963	49	30449	6.19	ug/L		97
19) Acetone	6.060	43	14197	6.23	ug/L		91
20) Methyl acetate	6.249	43	17365	3.95	ug/L		91
21) trans-1,2-Dichloroethene	6.231	61	4208	0.96	ug/L		89
22) Hexane	6.334	56	1746m	0.62	ug/L		
23) Methyl Tert Butyl Ether	6.389	73	11726	1.37	ug/L		73
24) Tert Butyl Alcohol	6.529	59	8844	6.05	ug/L		92
25) Acetonitrile	6.821	41	4950	5.47	ug/L	#	71
26) Di-isopropyl ether	6.991	45	11043	1.03	ug/L		96
27) Chloroprene	7.338	53	3130	0.67	ug/L	#	50
28) 1,1-Dichloroethane	7.210	63	5663	1.01	ug/L		83
29) Acrylonitrile	7.338	53	3130	1.47	ug/L		91
30) ETBE	7.587	59	11130	1.10	ug/L		81
31) Vinyl acetate	7.630	43	19205m	2.25	ug/L		
32) cis-1,2-Dichloroethene	8.043	96	3906	1.13	ug/L	#	76
33) 2,2-Dichloropropane	8.171	77	4358	0.98	ug/L		79
34) Bromochloromethane	8.305	128	1981	1.26	ug/L	#	57
35) Cyclohexane	8.293	56	5800	0.91	ug/L	#	85
36) Chloroform	8.384	83	5771	1.16	ug/L		89
37) Ethyl acetate	8.530	43	23951	3.71	ug/L		96
38) Tetrahydrofuran	8.597	42	3476	1.30	ug/L	#	77
40) Carbon Tetrachloride	8.554	117	3235	0.85	ug/L		82
41) 1,1,1-Trichloroethane	8.633	97	4842	1.07	ug/L		76
42) 2-Butanone	8.761	43	21178	5.73	ug/L		92
43) 1,1-Dichloropropene	8.792	75	4057	0.96	ug/L		84
44) tert-Butyl formate	8.901	59	14184	5.21	ug/L	#	84
45) Propionitrile	9.096	54	7519	6.29	ug/L		93
46) Methacrylonitrile	9.108	41	26536	6.85	ug/L		97
47) Benzene	9.065	78	14820	1.12	ug/L		94
48) TAME	9.175	73	11585	1.36	ug/L		85
50) Isobutyl Alcohol	9.284	42	2735	8.51	ug/L		89
51) 1,2-Dichloroethane	9.284	62	4734	1.07	ug/L		85
52) Tert Amyl Alcohol	9.382	59	6675m	7.75	ug/L		
53) Trichloroethene	9.686	95	3374	1.04	ug/L		79
54) Methylcyclohexane	9.668	83	5141	0.87	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:45:07 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

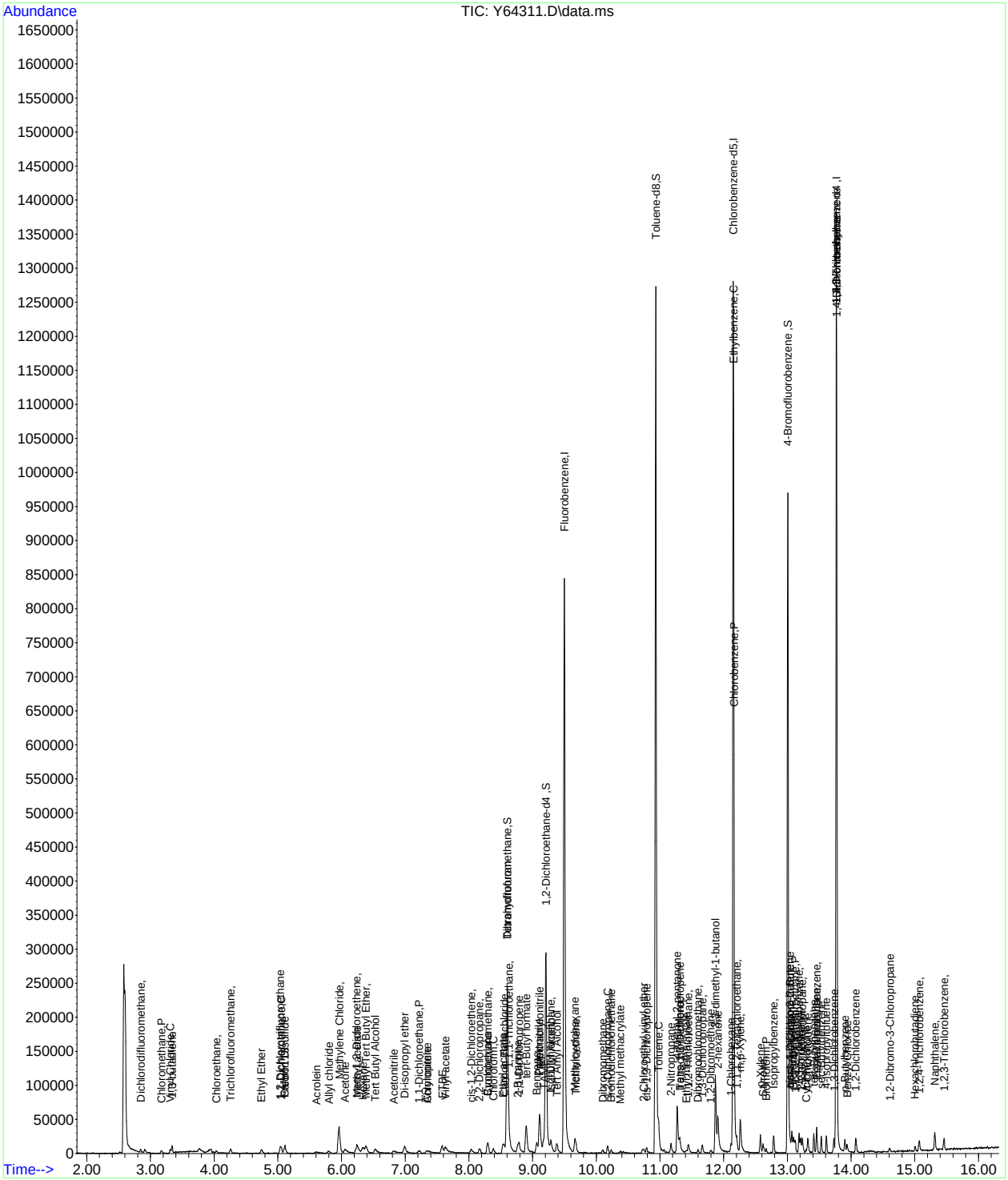
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
55) Dibromomethane	10.106	93	1951	1.03	ug/L		85
56) 1,2-Dichloropropane	10.179	63	3489	1.00	ug/L		93
57) Bromodichloromethane	10.233	83	3204	0.89	ug/L		100
58) Methyl methacrylate	10.373	41	1277	0.30	ug/L		92
60) 2-Chloroethyl vinyl ether	10.744	63	3591	6.57	ug/L		80
61) cis-1,3-Dichloropropene	10.793	75	3400	0.71	ug/L		90
64) Toluene	10.982	91	17188	1.12	ug/L		87
65) 2-Nitropropane	11.176	41	6920	3.64	ug/L	#	73
66) 4-Methyl-2-pentanone	11.268	43	47077	6.32	ug/L		94
67) trans-1,3-Dichloropropene	11.316	75	2704	0.60	ug/L		79
68) Tetrachloroethene	11.310	166	3669	0.95	ug/L		77
69) Ethyl methacrylate	11.414	69	2174	0.42	ug/L		83
70) 1,1,2-Trichloroethane	11.444	83	3062	1.21	ug/L		91
71) Dibromochloromethane	11.596	129	2704	0.83	ug/L		91
72) 1,3-Dichloropropane	11.669	76	6781	1.21	ug/L		85
73) 1,2-Dibromoethane	11.797	107	3607	1.08	ug/L	#	60
74) 3,3-dimethyl-1-butanol	11.870	57	43022	28.07	ug/L		98
75) 2-hexanone	11.906	43	32337	5.89	ug/L		89
76) 1-Chlorohexane	12.119	91	3767	0.75	ug/L	#	73
77) Ethylbenzene	12.162	91	16962	0.95	ug/L		86
78) Chlorobenzene	12.168	112	10338	1.05	ug/L		90
79) 1,1,1,2-Tetrachloroethane	12.204	131	2974	0.87	ug/L		85
80) m,p-Xylene	12.259	91	25273	1.85	ug/L		95
81) o-Xylene	12.576	91	11904	0.89	ug/L		99
82) Styrene	12.618	104	7299	0.72	ug/L		93
83) Bromoform	12.667	173	1570	0.69	ug/L		86
84) Isopropylbenzene	12.782	105	15020	0.91	ug/L		94
87) cis-1,4-Dichloro-2-butene	13.044	53	1173	0.62	ug/L	#	22
88) n-Propylbenzene	13.068	91	18157	0.97	ug/L		94
89) Bromobenzene	13.099	156	4245	1.18	ug/L		88
90) 1,1,2,2-Tetrachloroethane	13.123	83	5817	1.17	ug/L		91
91) 1,3,5-Trimethylbenzene	13.178	105	11799	0.91	ug/L		85
92) 2-Chlorotoluene	13.208	91	12923	1.05	ug/L		98
93) trans-1,4-Dichloro-2-B...	13.044	53	1173	0.69	ug/L		88
94) 1,2,3-Trichloropropane	13.233	110	2503	1.48	ug/L		90
95) Cyclohexanone	13.293	55	1441m	2.94	ug/L		
96) 4-Chlorotoluene	13.324	91	11205	1.02	ug/L		100
97) tert-Butylbenzene	13.415	91	7069	0.97	ug/L		97
98) 1,2,4-Trimethylbenzene	13.458	105	12361	0.97	ug/L		94
99) Pentachloroethane	13.464	167	1311	0.64	ug/L	#	91
100) sec-Butylbenzene	13.531	105	13001	0.82	ug/L		97
101) 4-Isopropyltoluene	13.610	119	11228	0.81	ug/L		95
102) 1,3-Dichlorobenzene	13.731	146	7419	1.09	ug/L		85
103) 1,2,3-Trimethylbenzene	13.762	105	12576	0.99	ug/L	#	65
104) 1,4-Dichlorobenzene	13.780	146	8556m	1.19	ug/L		
105) n-Butylbenzene	13.902	92	6372	0.94	ug/L		98
106) Benzyl Chloride	13.938	126	1145m	0.53	ug/L		
107) 1,2-Dichlorobenzene	14.072	146	6788	1.02	ug/L		98
108) 1,2-Dibromo-3-Chloropr...	14.607	75	1282m	0.94	ug/L		
109) Hexachlorobutadiene	15.003	225	923m	0.59	ug/L		
110) 1,2,4-Trichlorobenzene	15.076	180	4608	1.05	ug/L		83
111) Naphthalene	15.313	128	19485	1.04	ug/L		85
112) 1,2,3-Trichlorobenzene	15.459	180	4942	1.14	ug/L		86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:45:07 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

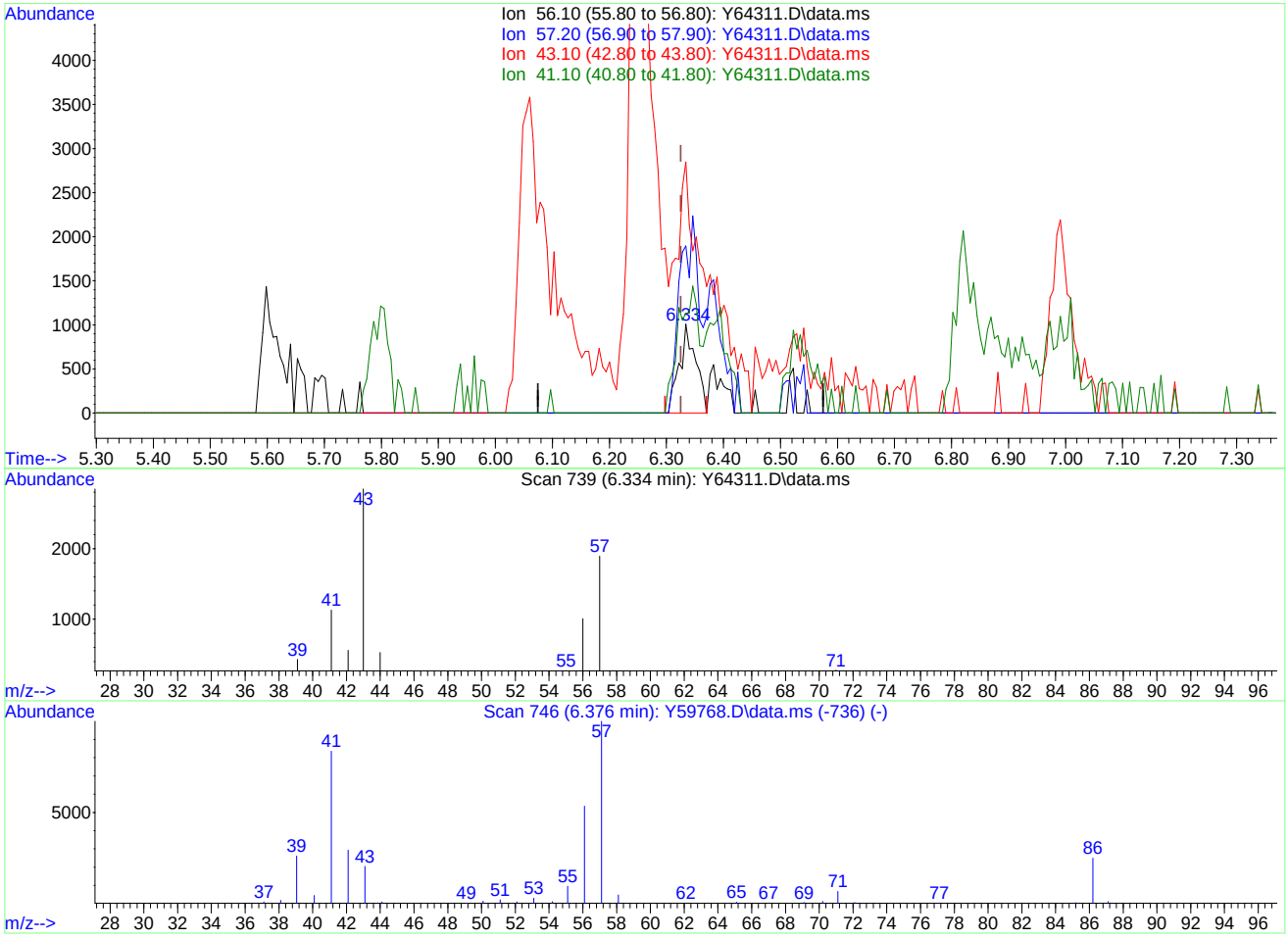
Sample Number: VY2666-IC2666
Lab FileID: Y64311.D
Injection Time: 08/29/22 13:05
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Vinyl Acetate	108-05-4		7.63	Missed peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak
Cyclohexanone	108-94-1		13.29	Poor instrument integration
1,4-Dichlorobenzene	106-46-7		13.78	Missed peak
Benzyl Chloride	100-44-7		13.94	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		14.61	Missed peak
Hexachlorobutadiene	87-68-3		15.00	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:33:46 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64311.D\data.ms

(22) Hexane

6.334min (+0.009) 0.72ug/L

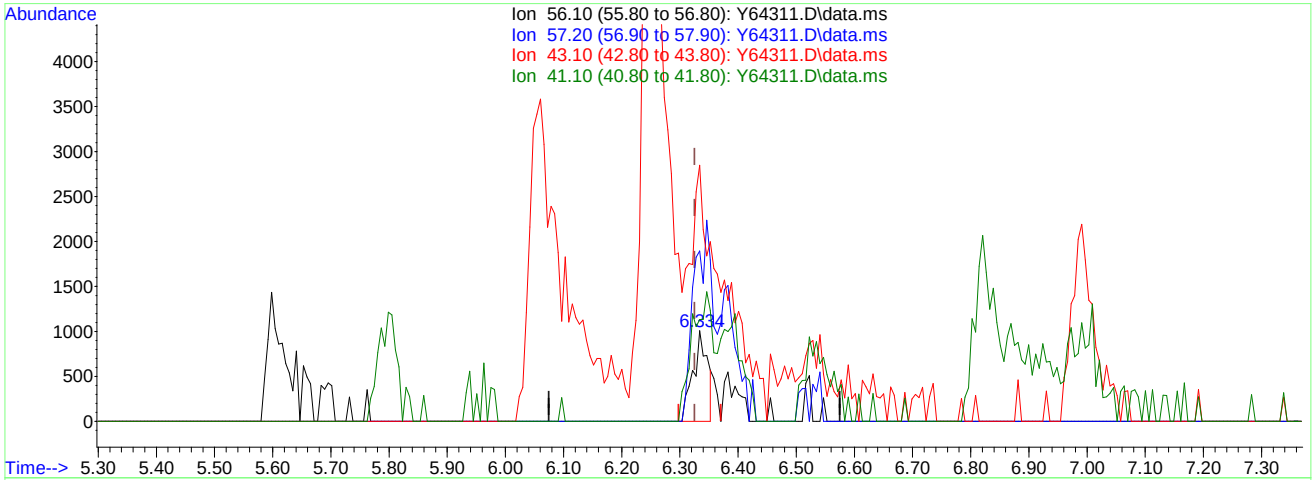
response 2030

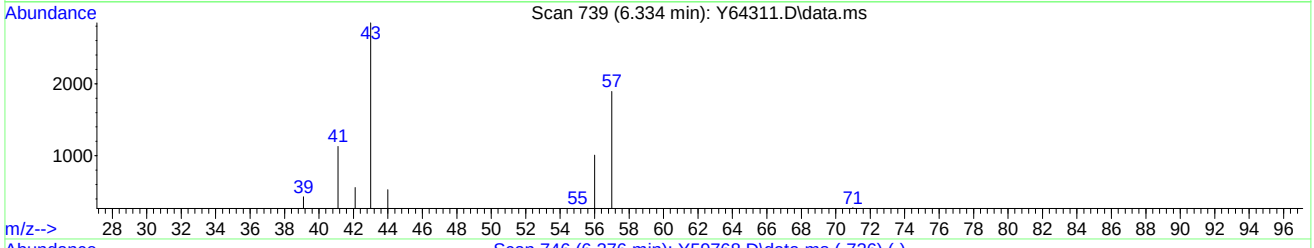
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	187.90
43.10	76.70	140.18#
41.10	144.30	112.20#

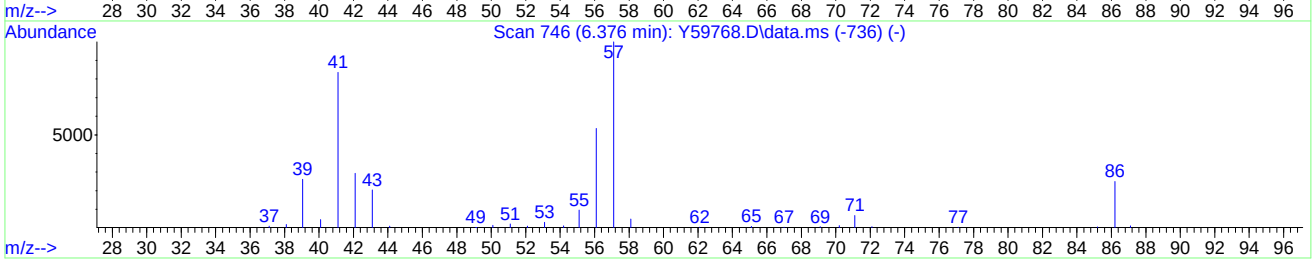
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:33:46 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(22) Hexane

6.334min (+0.009) 0.62ug/L m

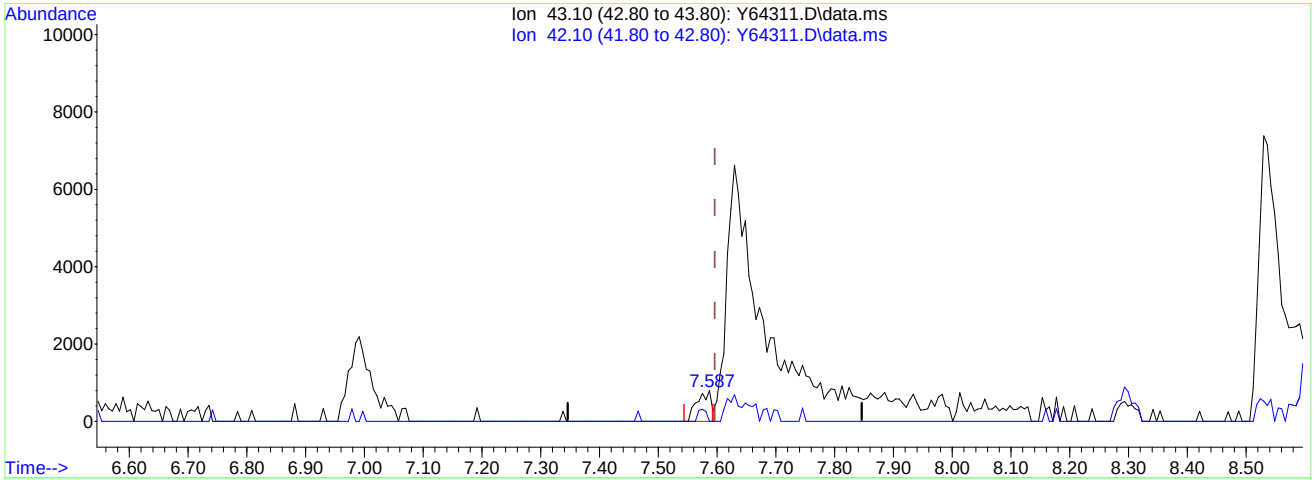
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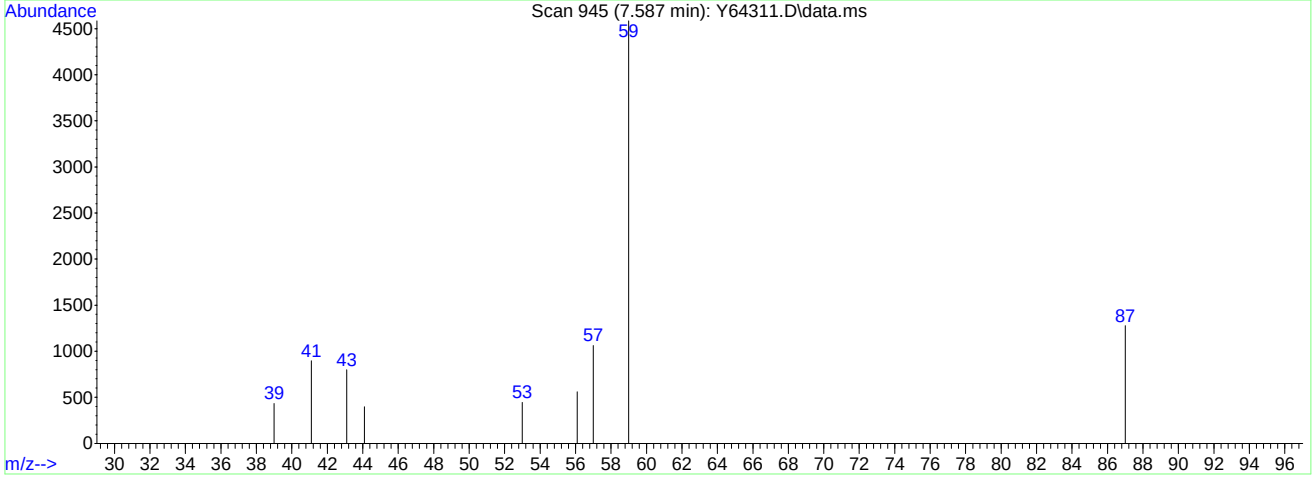
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	187.90
43.10	76.70	282.44#
41.10	144.30	112.20#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:38:06 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(31) Vinyl acetate

7.587min (-0.009) 0.16ug/L

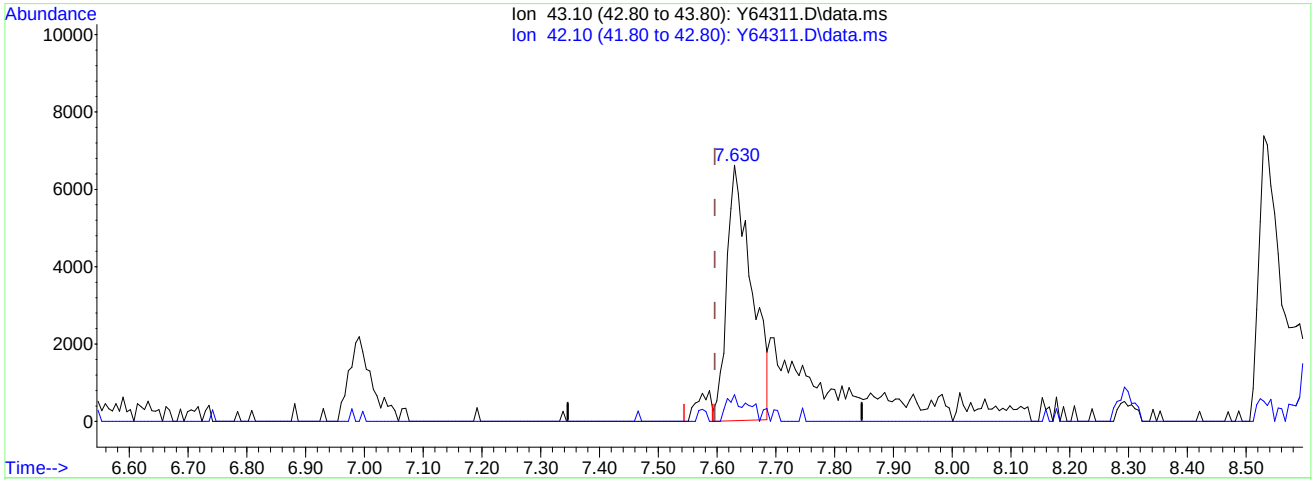
response 1353

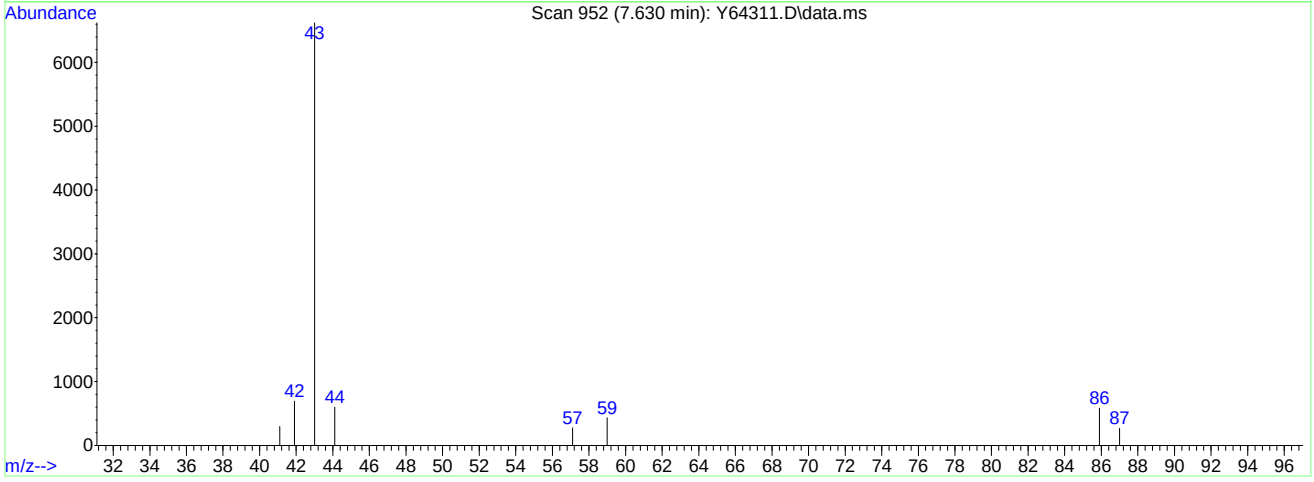
Ion	Exp%	Act%
43.10	100	100
42.10	8.40	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:38:06 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(31) Vinyl acetate

7.630min (+0.034) 2.25ug/L m

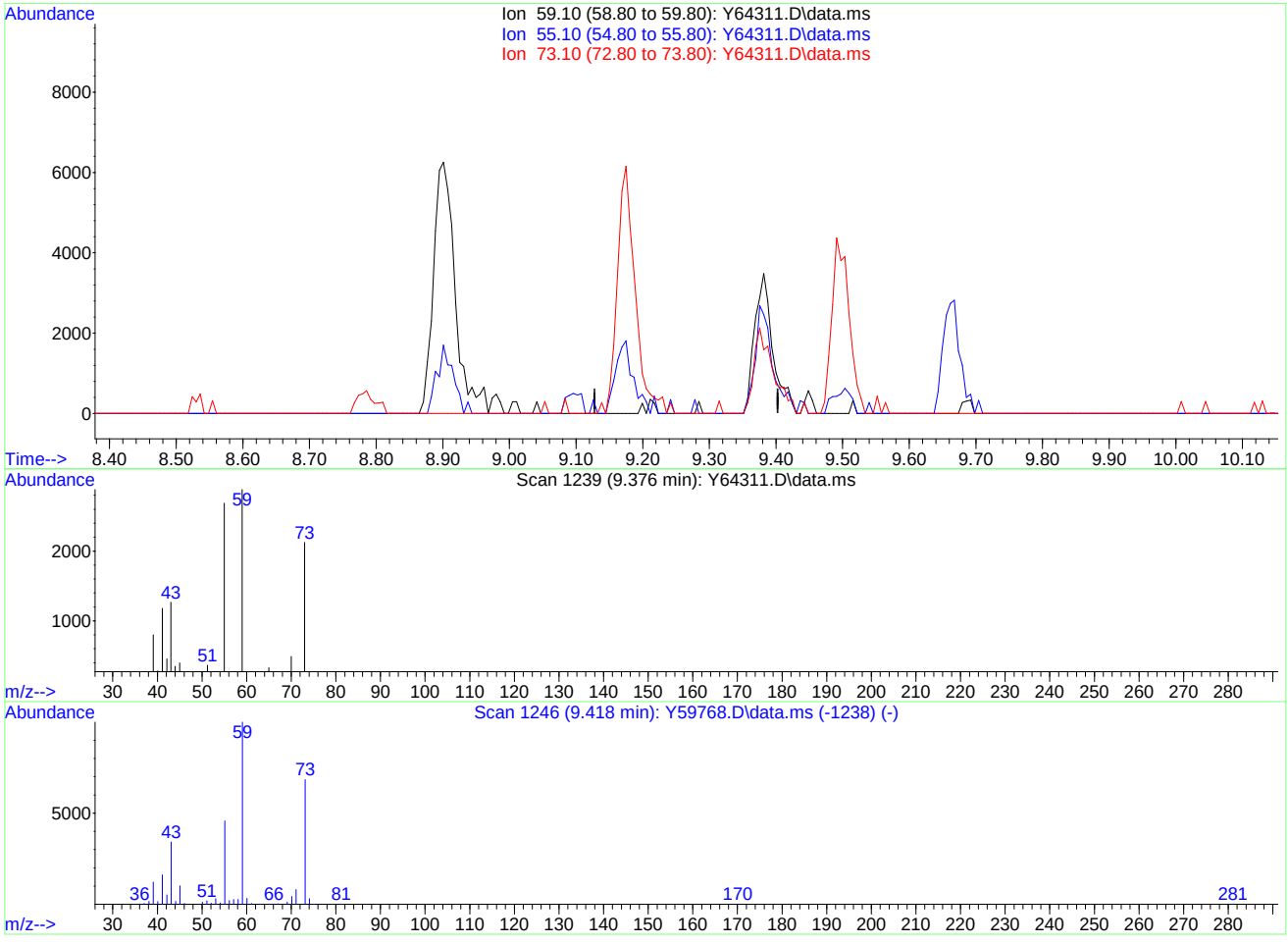
response 19205

Ion	Exp%	Act%
43.10	100	100
42.10	8.40	10.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:38:06 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64311.D\data.ms

(52) Tert Amyl Alcohol

9.378min (-9.378) 0.00ug/L

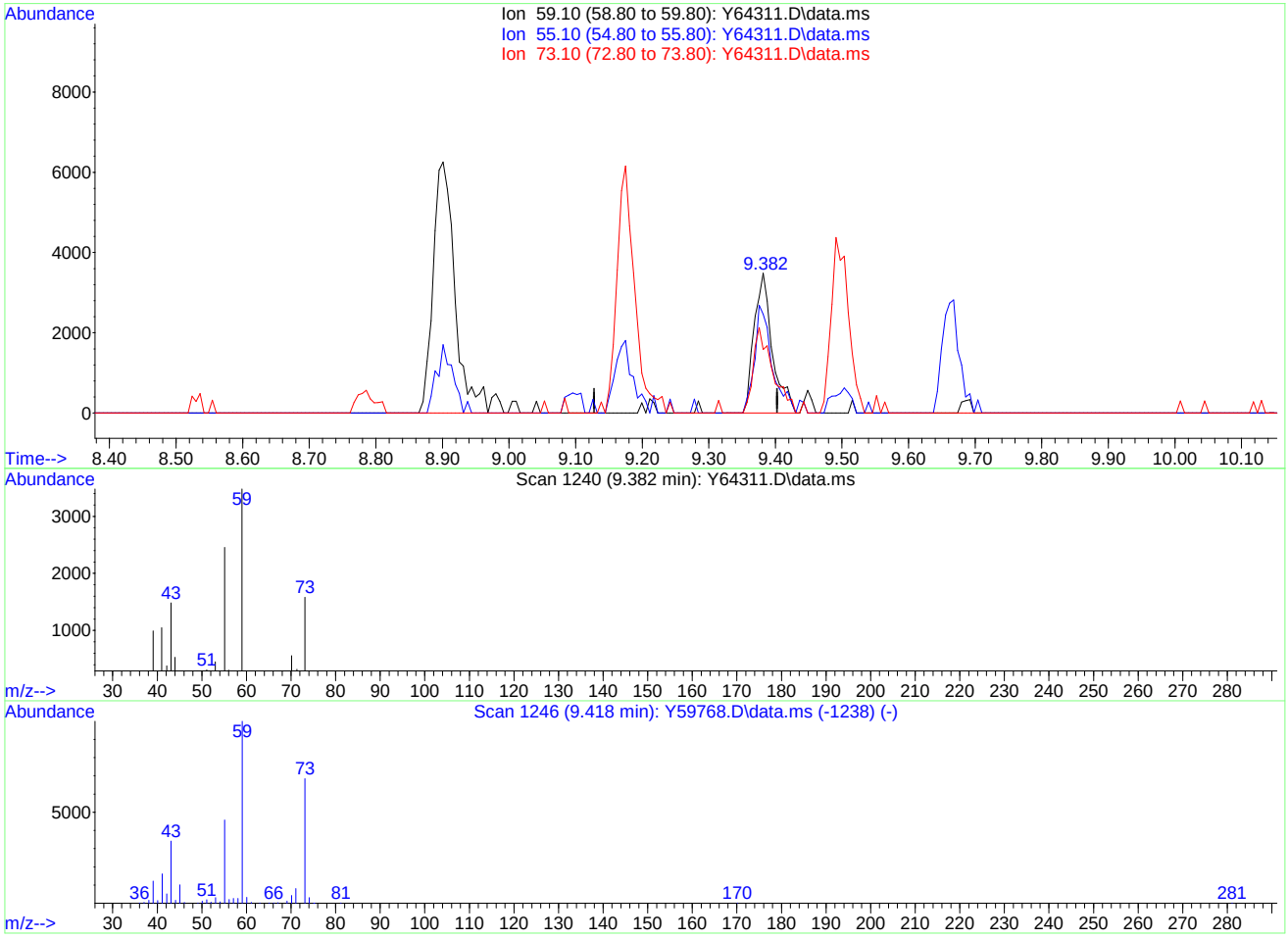
response 0

Ion	Exp%	Act%
59.10	100	0.00
55.10	52.60	0.00#
73.10	53.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:38:06 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64311.D\data.ms

(52) Tert Amyl Alcohol

9.382min (+0.004) 7.75ug/L m

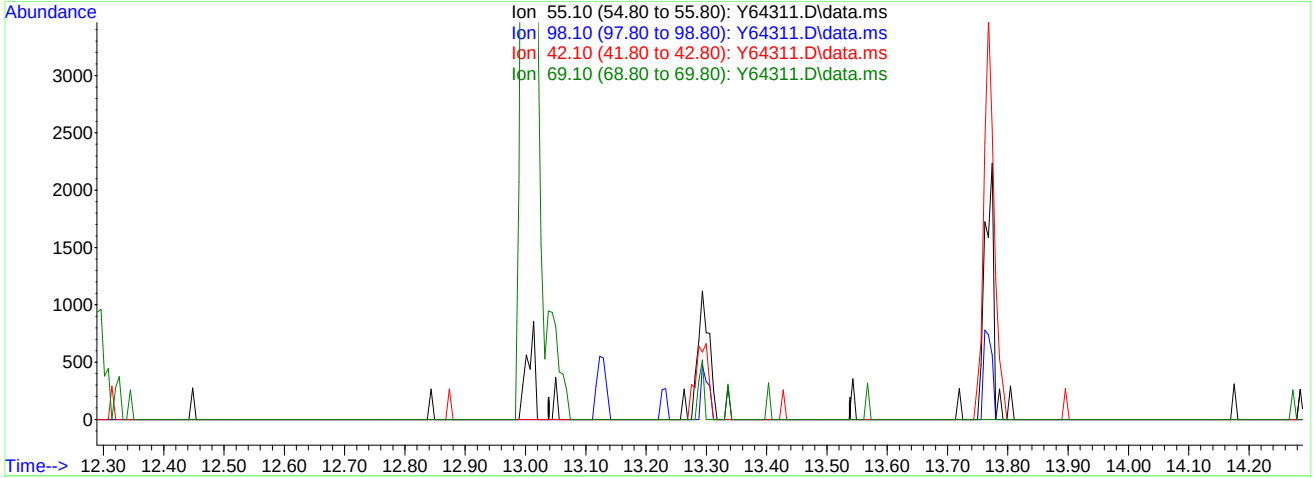
response 6675

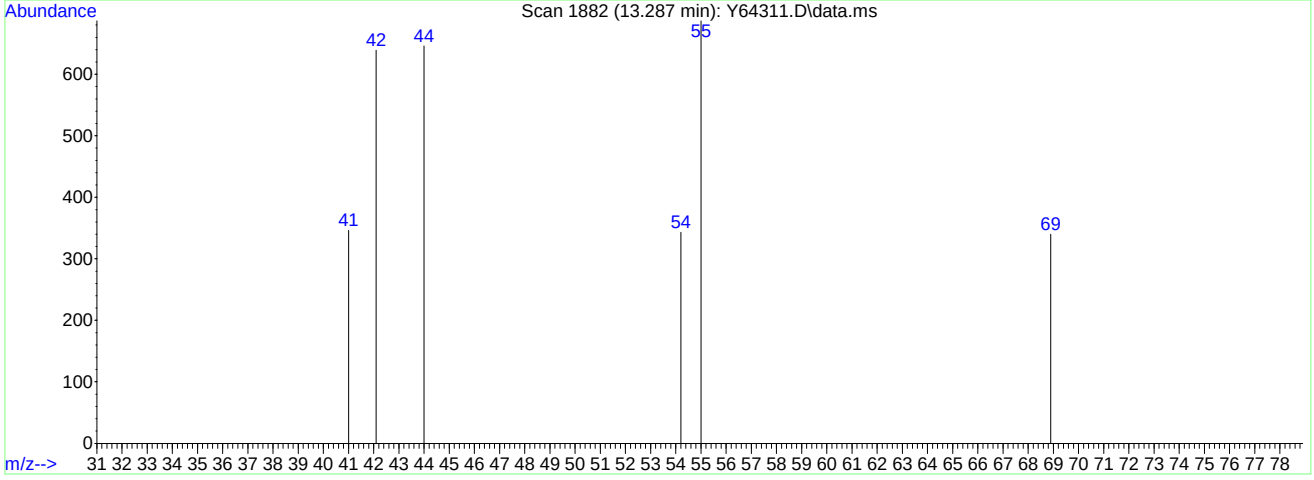
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	70.59
73.10	53.50	45.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(95) Cyclohexanone

13.289min 0.00ug/L d

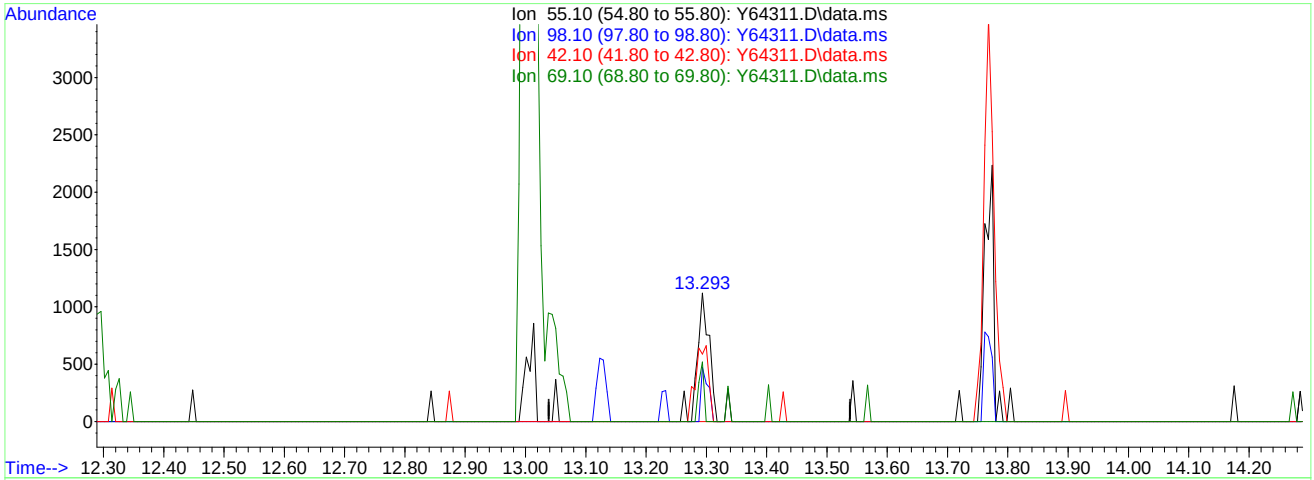
response 0

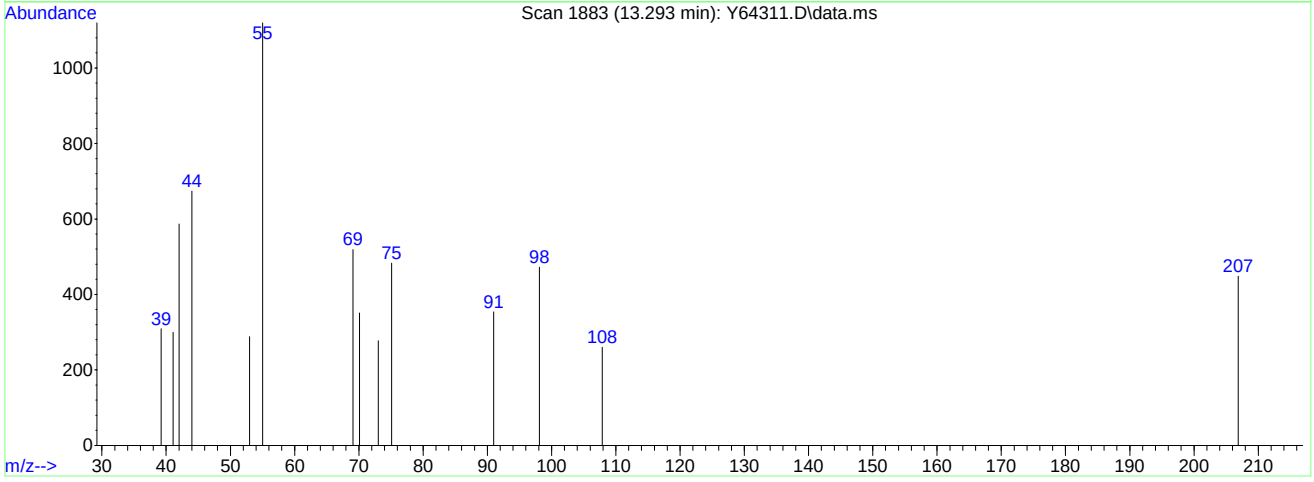
Ion	Exp%	Act%
55.10	100	0.00
98.10	46.20	0.00
42.10	72.30	0.00
69.10	28.40	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(95) Cyclohexanone

13.293min (+0.005) 2.94ug/L m

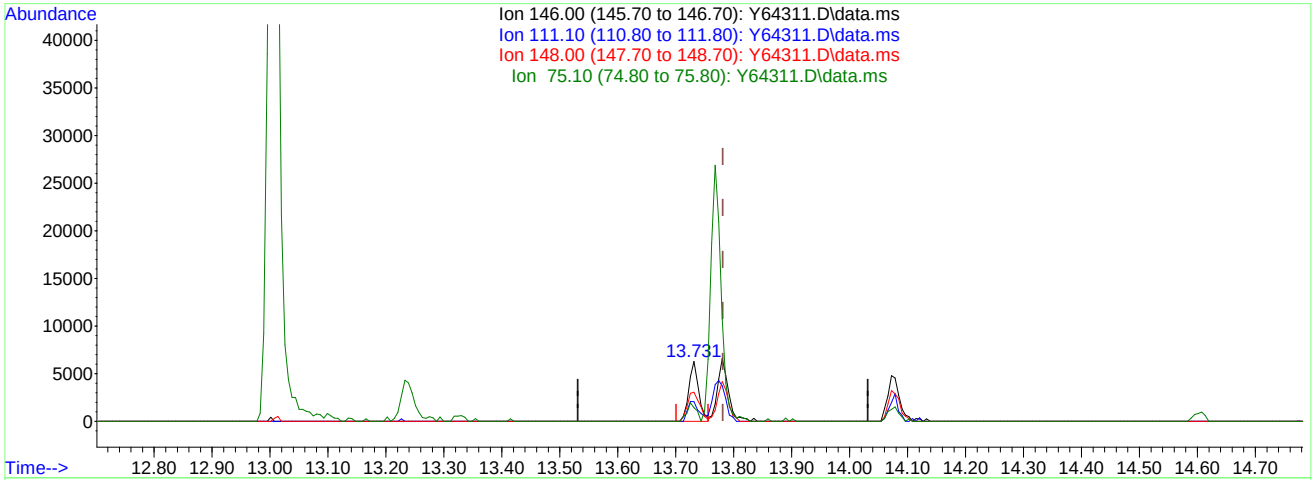
response 1441

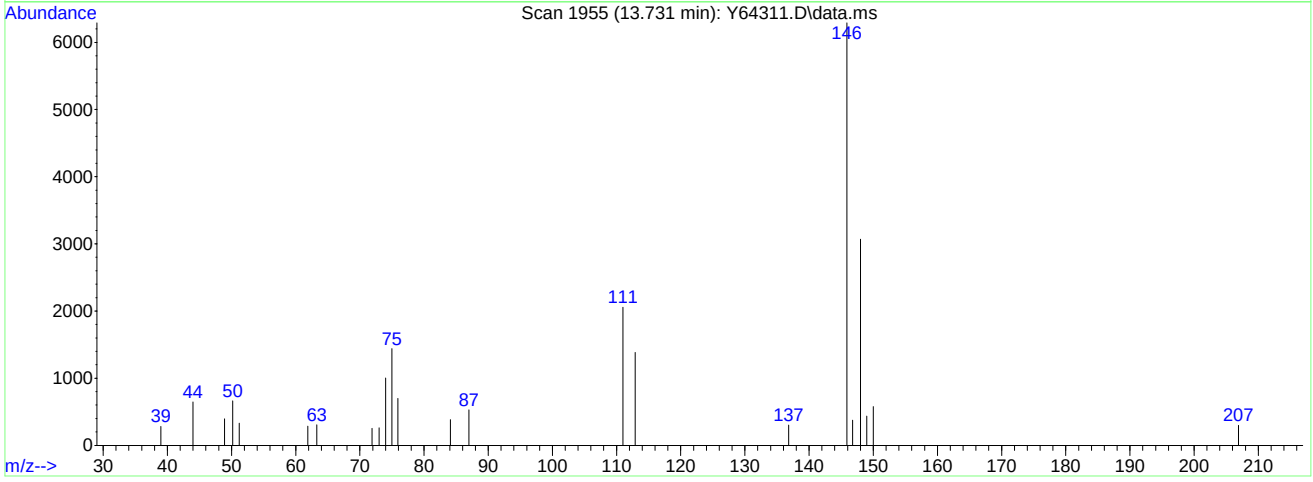
Ion	Exp%	Act%
55.10	100	100
98.10	46.20	42.14
42.10	72.30	52.41
69.10	28.40	46.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(104) 1,4-Dichlorobenzene

13.731min (-0.050) 1.03ug/L

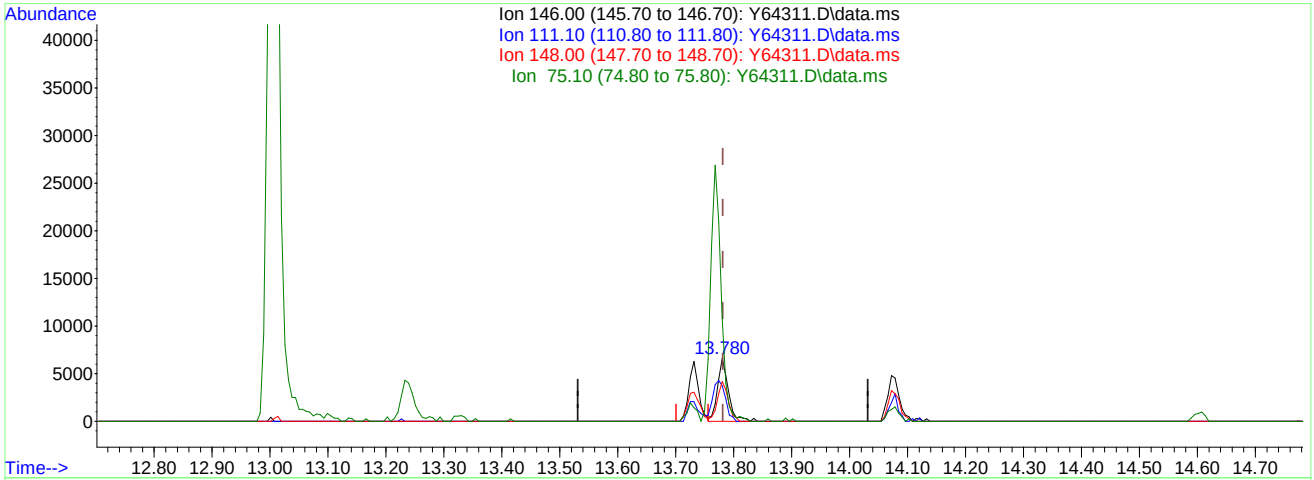
response 7419

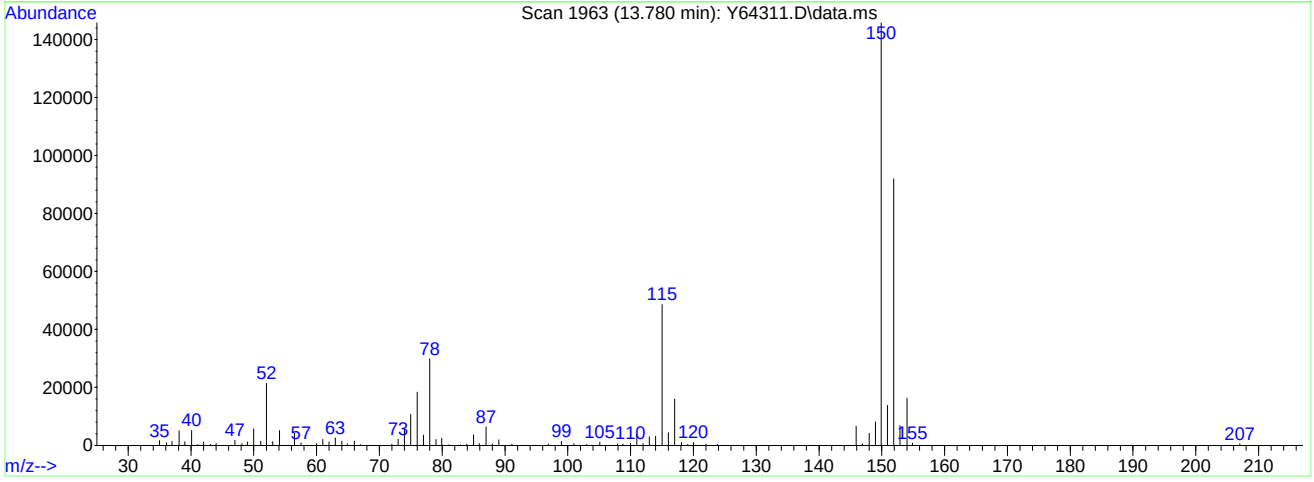
Ion	Exp%	Act%
146.00	100	100
111.10	37.80	32.68
148.00	62.10	48.76
75.10	28.90	22.87

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(104) 1,4-Dichlorobenzene

13.780min (-0.001) 1.19ug/L m

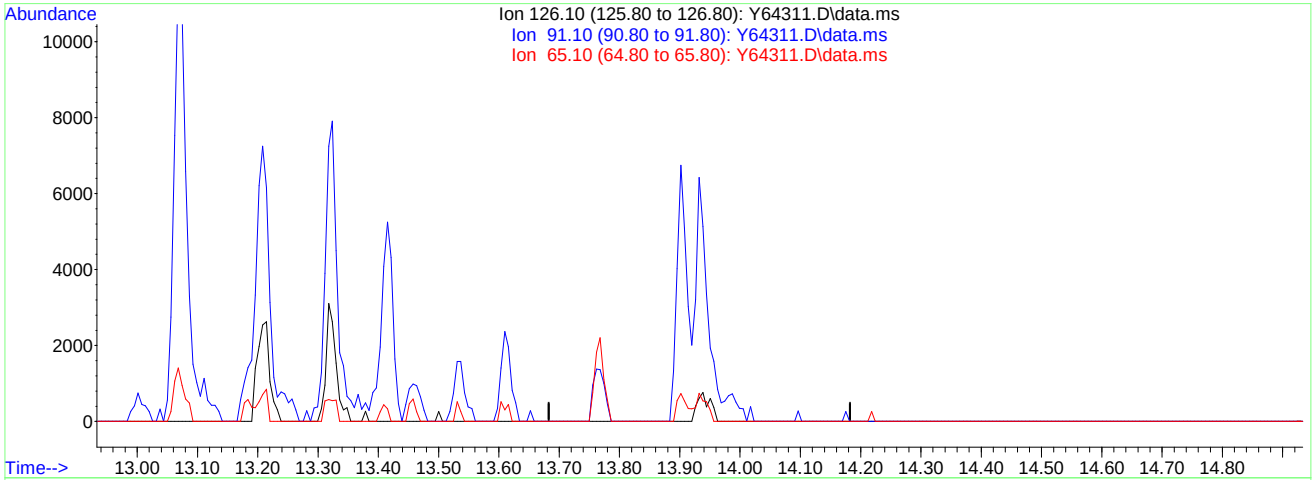
response 8556

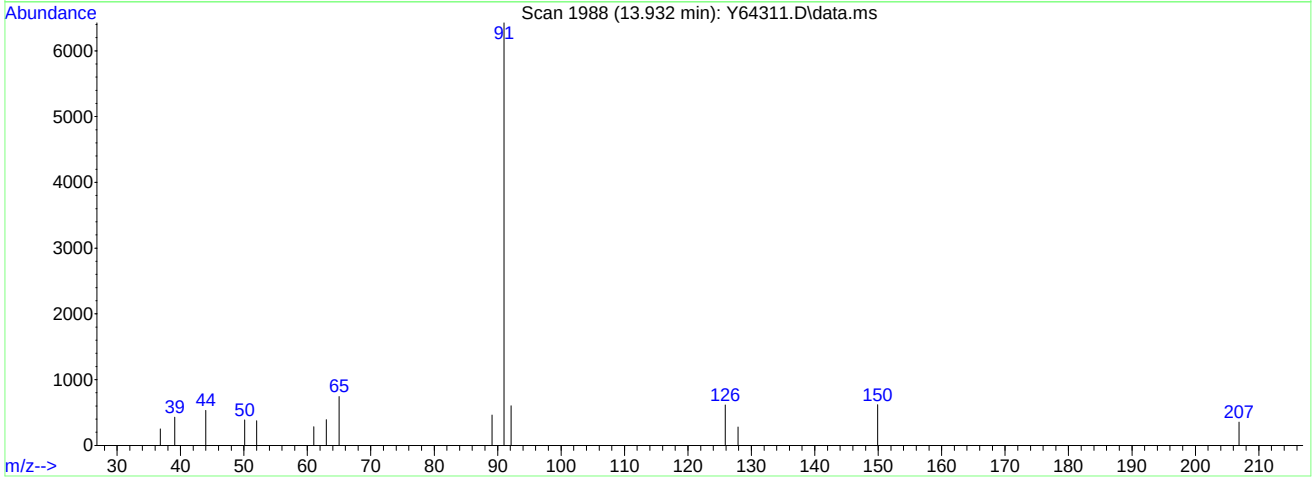
Ion	Exp%	Act%
146.00	100	100
111.10	37.80	56.58
148.00	62.10	63.26
75.10	28.90	161.78#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(106) Benzyl Chloride

13.933min (-13.933) 0.00ug/L

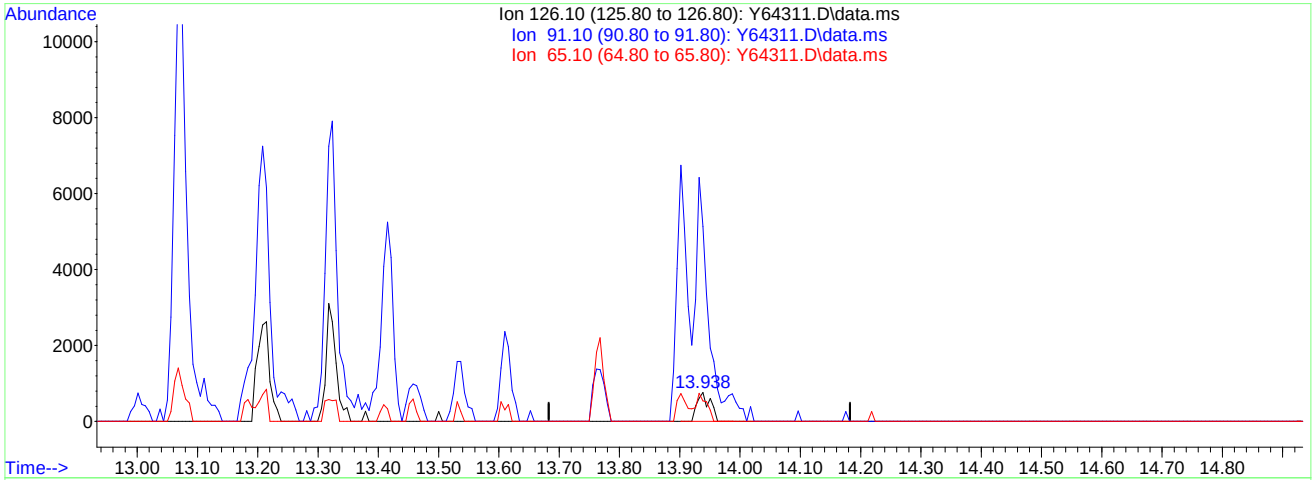
response 0

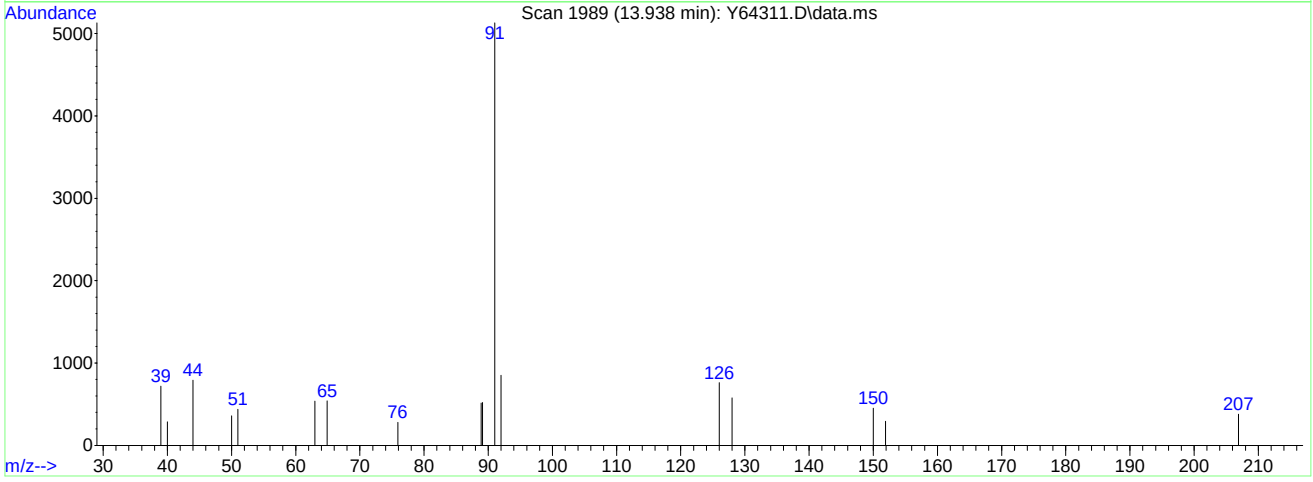
Ion	Exp%	Act%
126.10	100	0.00
91.10	447.10	0.00#
65.10	49.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(106) Benzyl Chloride

13.938min (+0.005) 0.53ug/L m

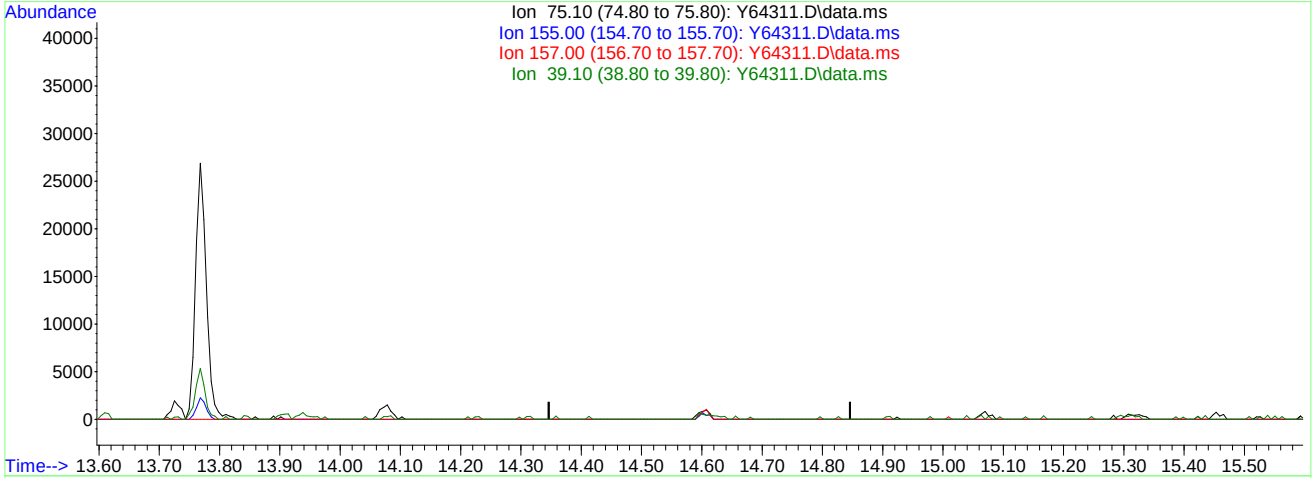
response 1145

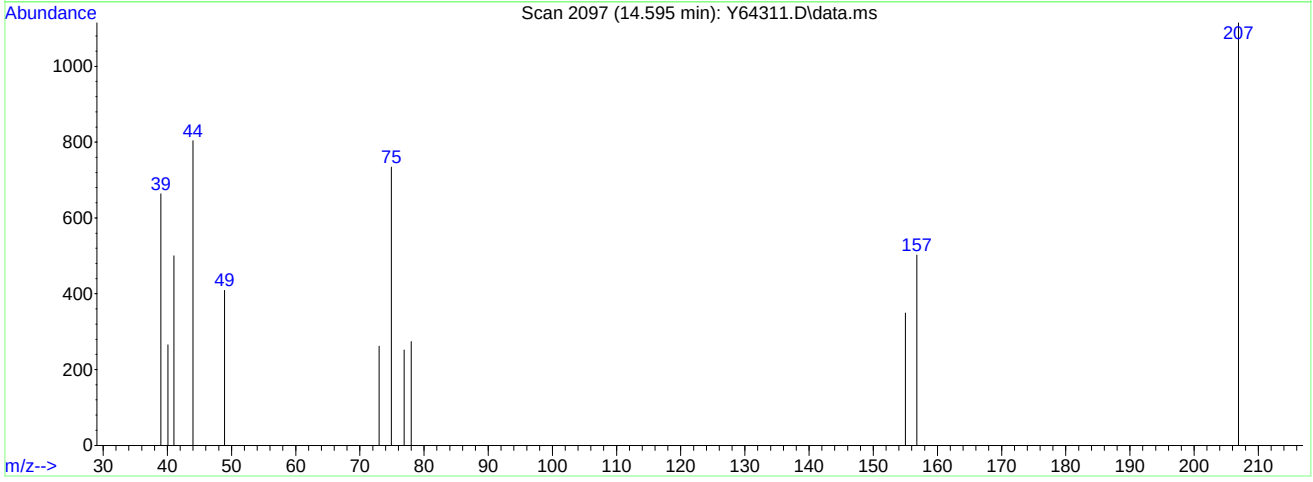
Ion	Exp%	Act%
126.10	100	100
91.10	447.10	674.24#
65.10	49.40	70.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64311.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

14.596min (-14.596) 0.00ug/L

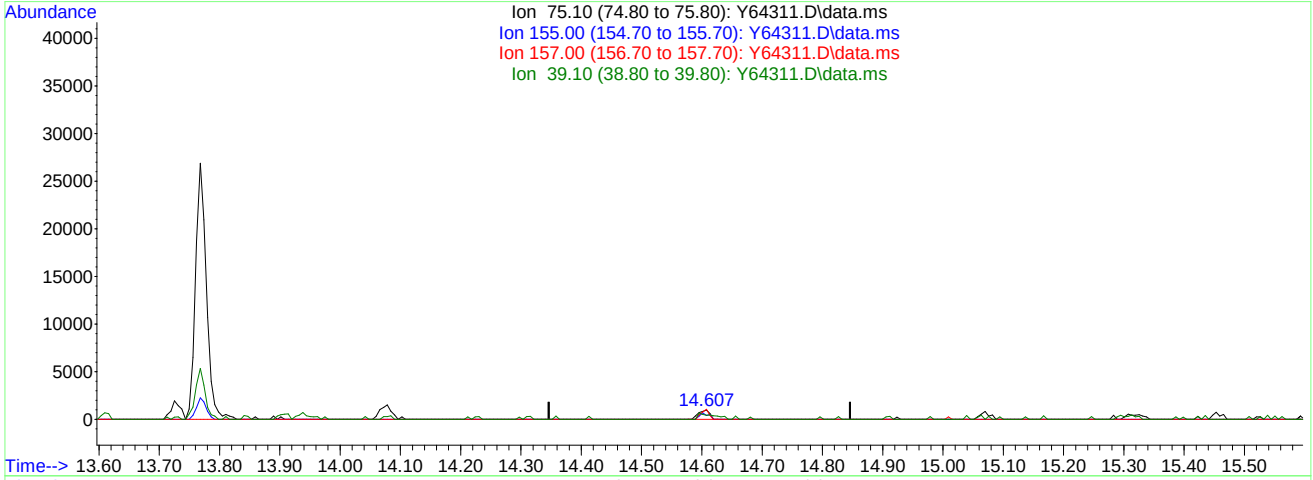
response 0

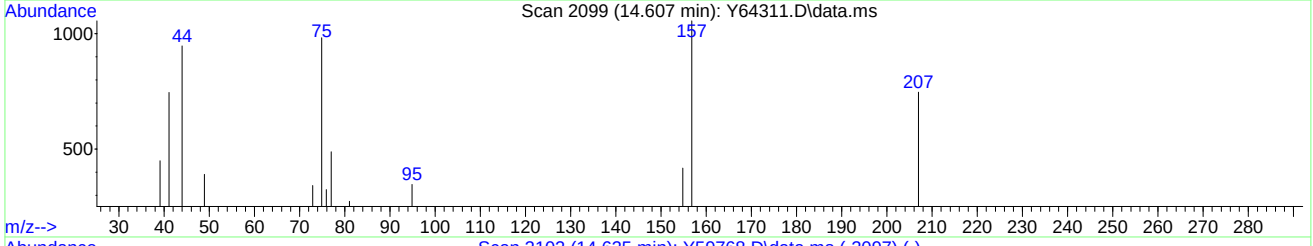
Ion	Exp%	Act%
75.10	100	0.00
155.00	84.20	0.00#
157.00	104.10	0.00#
39.10	84.70	0.00#

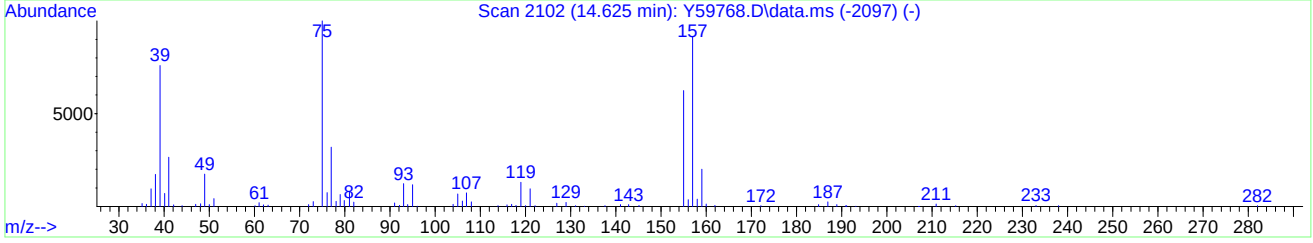
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(108) 1,2-Dibromo-3-Chloropropane

14.607min (+0.011) 0.94ug/L m

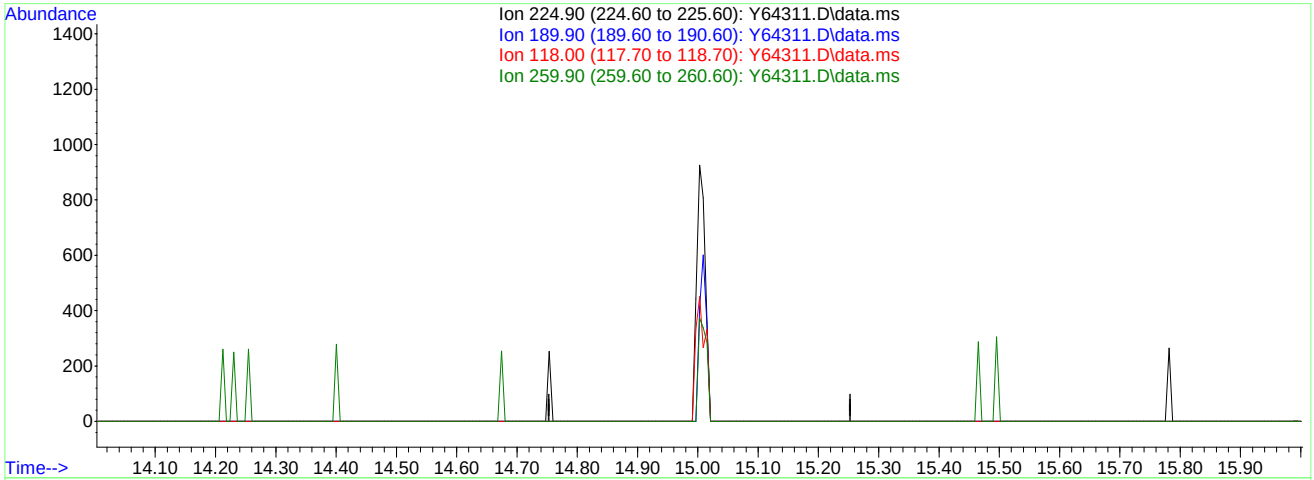
response 1282

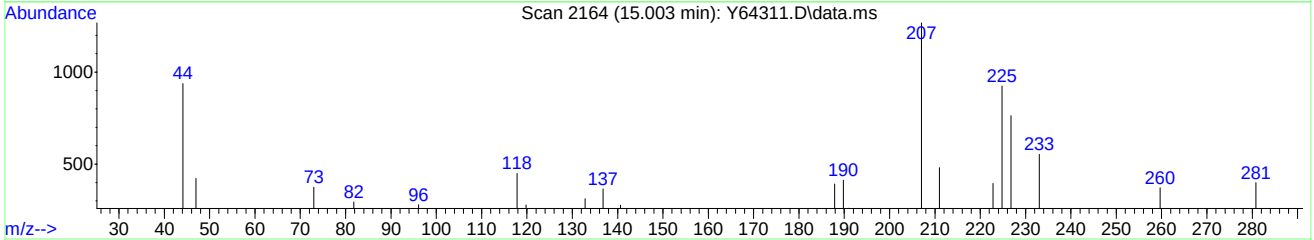
Ion	Exp%	Act%
75.10	100	100
155.00	84.20	42.57#
157.00	104.10	107.54
39.10	84.70	45.72#

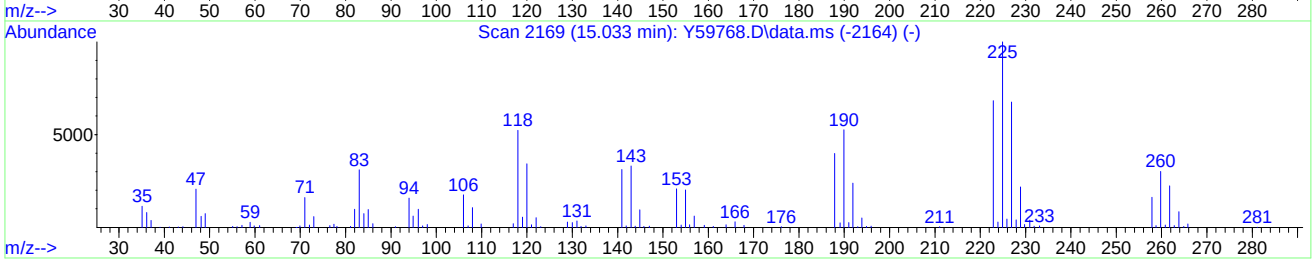
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(109) Hexachlorobutadiene ( )

15.003min (-15.003) 0.00ug/L

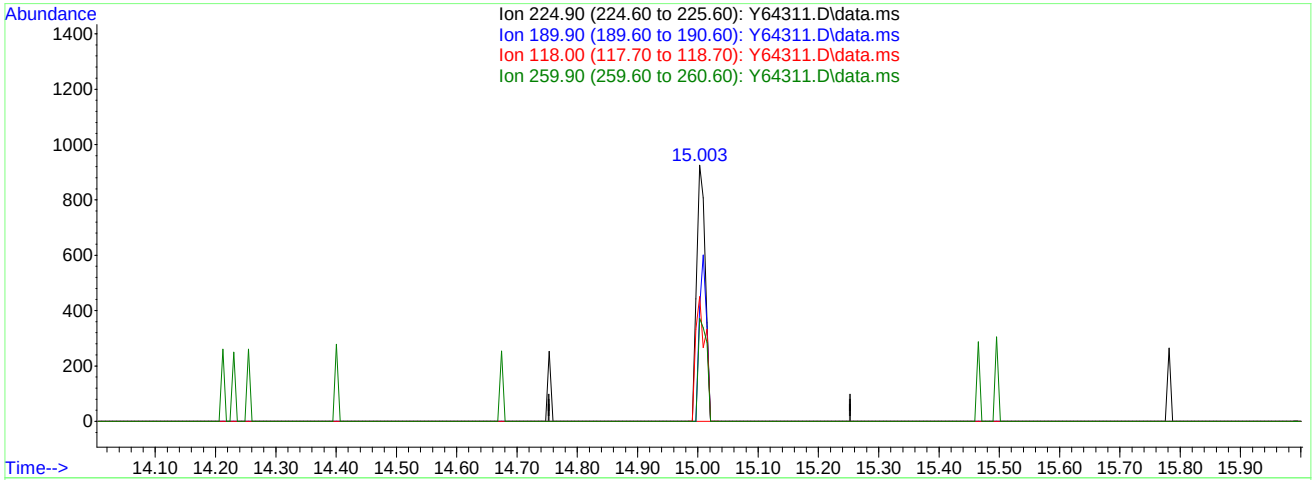
response 0

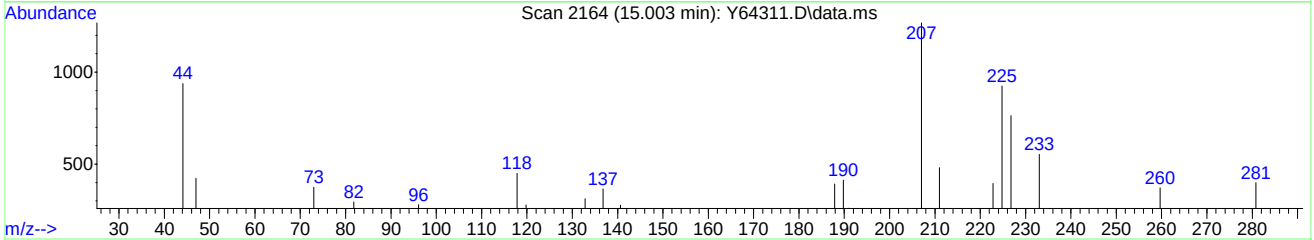
Ion	Exp%	Act%
224.90	100	0.00
189.90	48.10	0.00#
118.00	41.60	0.00#
259.90	30.70	0.00#

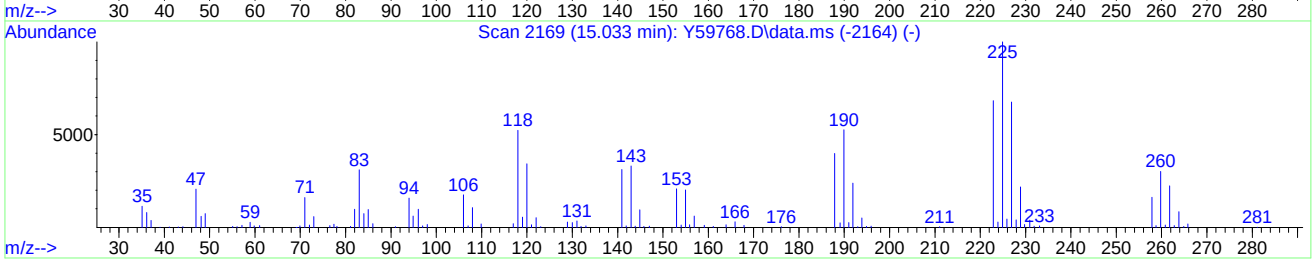
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64311.D
Acq On : 29 Aug 2022 1:05 pm
Operator : joannel
Sample : IC2666-1 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 09:41:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration







TIC: Y64311.D\data.ms

(109) Hexachlorobutadiene ( )

15.003min (-0.000) 0.59ug/L m

response 923

Ion	Exp%	Act%
224.90	100	100
189.90	48.10	44.65
118.00	41.60	48.65
259.90	30.70	40.22

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:46:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	9.499	96	693582	50.00	ug/L		0.00
62) Chlorobenzene-d5	12.151	117	561566	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.769	152	287581	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.605	113	154111	49.16	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.32%				
49) 1,2-Dichloroethane-d4	9.207	65	194474	49.94	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.88%				
63) Toluene-d8	10.935	98	704530	49.40	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.80%				
86) 4-Bromofluorobenzene	13.009	174	214453	48.69	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.38%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.844	85	20663	7.09	ug/L		96
3) Acrolein	5.581	56	21364	19.26	ug/L		94
4) Chloromethane	3.178	50	22743	5.19	ug/L		94
5) 1,3-butadiene	3.336	39	19665	5.17	ug/L		96
6) Vinyl Chloride	3.312	62	23639	5.55	ug/L		99
7) Bromomethane	3.823	94	3484	4.29	ug/L		83
8) Chloroethane	4.036	64	15294	13.15	ug/L		88
9) Trichlorofluoromethane	4.261	101	26056	5.44	ug/L		97
10) Ethyl Ether	4.748	59	18018	6.09	ug/L		95
11) Ethanol	5.009	45	4291	34.24	ug/L		89
12) 1,2-Dichlorotrifluoroe...	5.040	67	19425	6.59	ug/L		92
13) 1,1-Dichloroethene	5.052	61	24368	5.56	ug/L		94
14) Freon 113	5.113	101	17797	6.16	ug/L		88
15) Carbon Disulfide	5.107	76	44534	5.15	ug/L		93
16) Iodomethane	5.283	142	1647	1.16	ug/L		89
17) Allyl chloride	5.794	41	19772	4.10	ug/L		90
18) Methylene Chloride	5.958	49	51853	10.27	ug/L		95
19) Acetone	6.049	43	46981	20.09	ug/L		89
20) Methyl acetate	6.232	43	115706	25.51	ug/L		93
21) trans-1,2-Dichloroethene	6.226	61	24565	5.47	ug/L		91
22) Hexane	6.329	56	13106m	4.57	ug/L		
23) Methyl Tert Butyl Ether	6.378	73	56097	6.39	ug/L	#	60
24) Tert Butyl Alcohol	6.524	59	53237	35.45	ug/L		96
25) Acetonitrile	6.804	41	40027	42.78	ug/L		95
26) Di-isopropyl ether	6.986	45	60479	5.51	ug/L		99
27) Chloroprene	7.193	53	4027	0.84	ug/L		91
28) 1,1-Dichloroethane	7.218	63	33341	5.82	ug/L		99
29) Acrylonitrile	7.309	53	62464	28.32	ug/L		98
30) ETBE	7.576	59	62149	5.96	ug/L		97
31) Vinyl acetate	7.607	43	232181	26.27	ug/L		97
32) cis-1,2-Dichloroethene	8.033	96	21043	5.96	ug/L		95
33) 2,2-Dichloropropane	8.167	77	27424	5.98	ug/L		98
34) Bromochloromethane	8.294	128	9942	6.19	ug/L		91
35) Cyclohexane	8.294	56	36296	5.56	ug/L		94
36) Chloroform	8.379	83	31852	6.22	ug/L		96
37) Ethyl acetate	8.519	43	196754	29.70	ug/L		98
38) Tetrahydrofuran	8.592	42	15245	5.54	ug/L		98
40) Carbon Tetrachloride	8.562	117	22828	5.87	ug/L		87
41) 1,1,1-Trichloroethane	8.635	97	29777	6.41	ug/L		98
42) 2-Butanone	8.751	43	83105	21.90	ug/L		98
43) 1,1-Dichloropropene	8.787	75	27386	6.32	ug/L		90
44) tert-Butyl formate	8.903	59	74449	26.66	ug/L		93
45) Propionitrile	9.085	54	51674	42.13	ug/L		97
46) Methacrylonitrile	9.103	41	179050	45.03	ug/L		97
47) Benzene	9.061	78	85913	6.31	ug/L		93
48) TAME	9.170	73	60882	6.90	ug/L		89
50) Isobutyl Alcohol	9.274	42	23946	71.66	ug/L		94
51) 1,2-Dichloroethane	9.286	62	27803	6.13	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:46:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

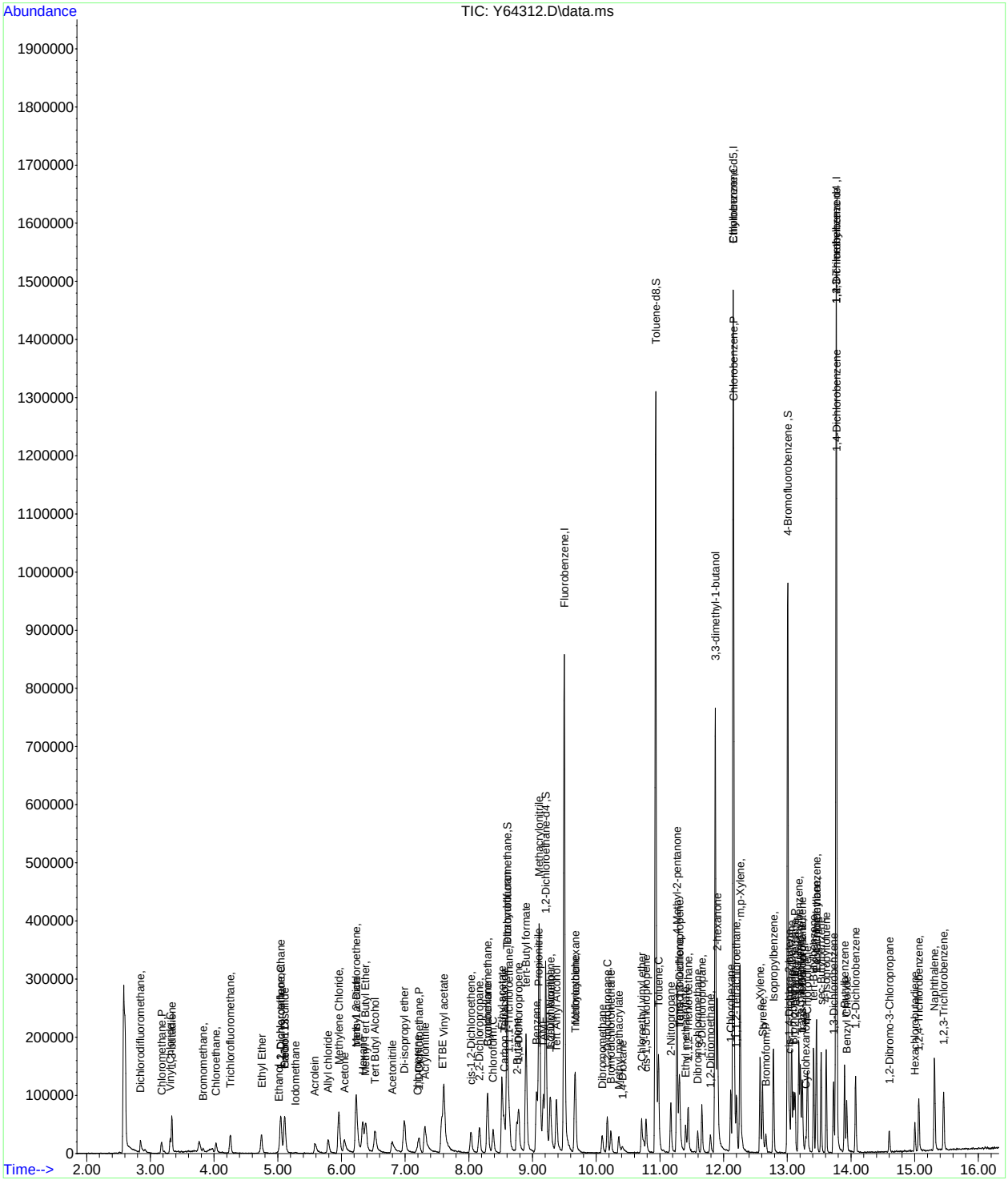
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	9.371	59	48056m	53.26	ug/L		
53) Trichloroethene	9.681	95	20757	6.22	ug/L		93
54) Methylcyclohexane	9.663	83	36399	6.01	ug/L		96
55) Dibromomethane	10.089	93	11822	6.08	ug/L		92
56) 1,2-Dichloropropane	10.180	63	21295	5.96	ug/L		82
57) Bromodichloromethane	10.229	83	22089	5.92	ug/L		95
58) Methyl methacrylate	10.357	41	16446	3.77	ug/L		93
59) 1,4-Dioxane	10.411	88	6563	61.45	ug/L		80
60) 2-Chloroethyl vinyl ether	10.716	63	24913	43.40	ug/L		94
61) cis-1,3-Dichloropropene	10.782	75	27395	5.51	ug/L		90
64) Toluene	10.977	91	95247	6.08	ug/L		98
65) 2-Nitropropane	11.172	41	42985	21.91	ug/L		95
66) 4-Methyl-2-pentanone	11.269	43	166579	21.83	ug/L		98
67) trans-1,3-Dichloropropene	11.312	75	24449	5.30	ug/L		80
68) Tetrachloroethene	11.306	166	22999	5.82	ug/L		96
69) Ethyl methacrylate	11.403	69	24101	4.52	ug/L		88
70) 1,1,2-Trichloroethane	11.446	83	16589	6.38	ug/L		94
71) Dibromochloromethane	11.592	129	16567	4.98	ug/L		96
72) 1,3-Dichloropropane	11.658	76	36728	6.39	ug/L		92
73) 1,2-Dibromoethane	11.792	107	20730	6.07	ug/L		96
74) 3,3-dimethyl-1-butanol	11.871	57	301302	191.11	ug/L		93
75) 2-hexanone	11.902	43	130711	22.72	ug/L		99
76) 1-Chlorohexane	12.115	91	27082	5.27	ug/L		84
77) Ethylbenzene	12.157	91	101304	5.54	ug/L		99
78) Chlorobenzene	12.163	112	57100	5.64	ug/L		98
79) 1,1,1,2-Tetrachloroethane	12.206	131	17197	4.92	ug/L		95
80) m,p-Xylene	12.261	91	149941	10.72	ug/L		94
81) o-Xylene	12.571	91	73469	5.36	ug/L		97
82) Styrene	12.614	104	50445	4.81	ug/L		92
83) Bromoform	12.662	173	9808	4.18	ug/L		97
84) Isopropylbenzene	12.784	105	94633	5.57	ug/L		97
87) cis-1,4-Dichloro-2-butene	13.033	53	7733	3.73	ug/L		91
88) n-Propylbenzene	13.070	91	110485	5.37	ug/L		98
89) Bromobenzene	13.100	156	22513	5.71	ug/L		87
90) 1,1,2,2-Tetrachloroethane	13.118	83	32101	5.88	ug/L		98
91) 1,3,5-Trimethylbenzene	13.179	105	73954	5.20	ug/L		96
92) 2-Chlorotoluene	13.204	91	72656	5.37	ug/L		97
93) trans-1,4-Dichloro-2-B...	13.240	53	7851	4.18	ug/L	#	62
94) 1,2,3-Trichloropropane	13.234	110	12002	6.49	ug/L		93
95) Cyclohexanone	13.289	55	9490	17.69	ug/L		88
96) 4-Chlorotoluene	13.313	91	64710	5.40	ug/L		97
97) tert-Butylbenzene	13.410	91	41792	5.25	ug/L		99
98) 1,2,4-Trimethylbenzene	13.453	105	73260	5.22	ug/L		97
99) Pentachloroethane	13.465	167	9812	4.38	ug/L		98
100) sec-Butylbenzene	13.532	105	91412	5.28	ug/L		95
101) 4-Isopropyltoluene	13.611	119	73069	4.84	ug/L		99
102) 1,3-Dichlorobenzene	13.727	146	39872	5.33	ug/L		95
103) 1,2,3-Trimethylbenzene	13.763	105	78079	5.62	ug/L		94
104) 1,4-Dichlorobenzene	13.782	146	42306	5.37	ug/L		88
105) n-Butylbenzene	13.897	92	33364	4.47	ug/L		92
106) Benzyl Chloride	13.934	126	9898	4.14	ug/L	#	54
107) 1,2-Dichlorobenzene	14.074	146	40722	5.59	ug/L		96
108) 1,2-Dibromo-3-Chloropr...	14.603	75	6283	4.20	ug/L	#	76
109) Hexachlorobutadiene	15.004	225	6772	3.94	ug/L		94
110) 1,2,4-Trichlorobenzene	15.065	180	25322	5.26	ug/L		97
111) Naphthalene	15.309	128	109740	5.32	ug/L		100
112) 1,2,3-Trichlorobenzene	15.455	180	24517	5.16	ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:46:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

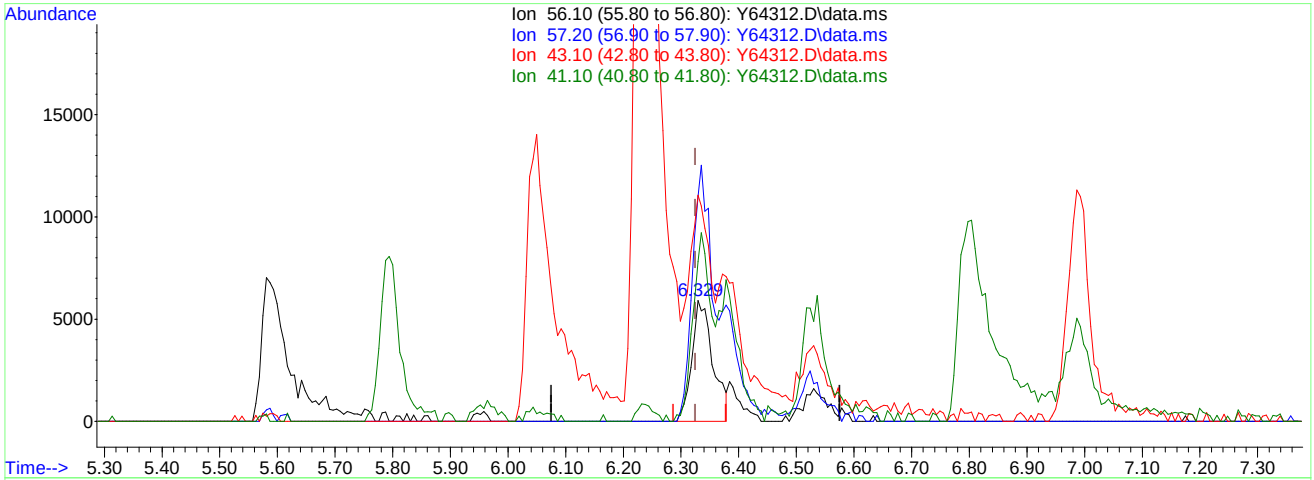
Sample Number: VY2666-IC2666
Lab FileID: Y64312.D
Injection Time: 08/29/22 13:29
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

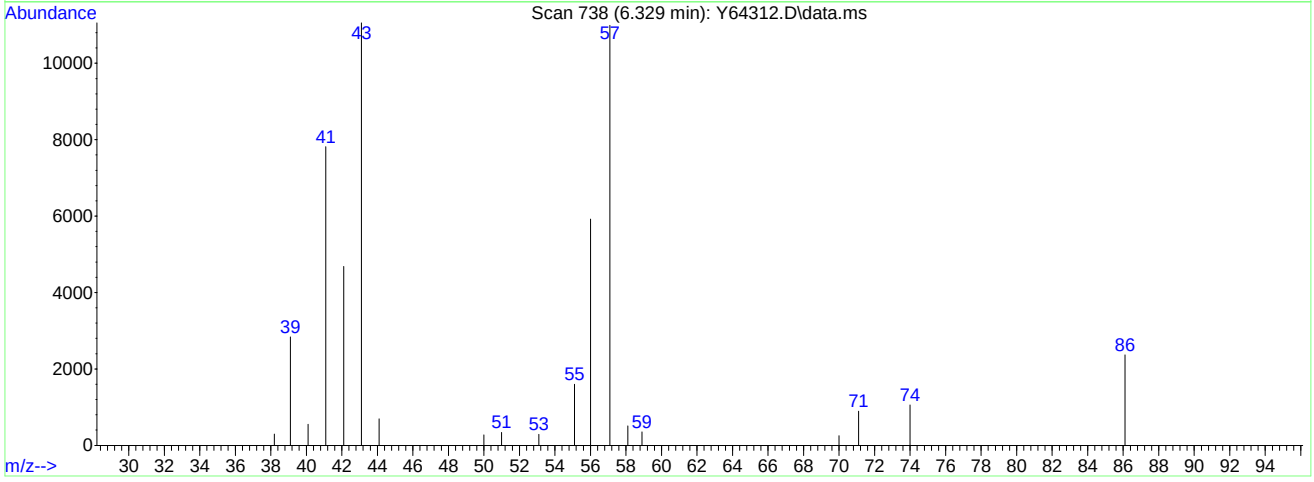
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.37	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:33:47 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64312.D\data.ms

(22) Hexane

6.329min (+0.004) 5.24ug/L

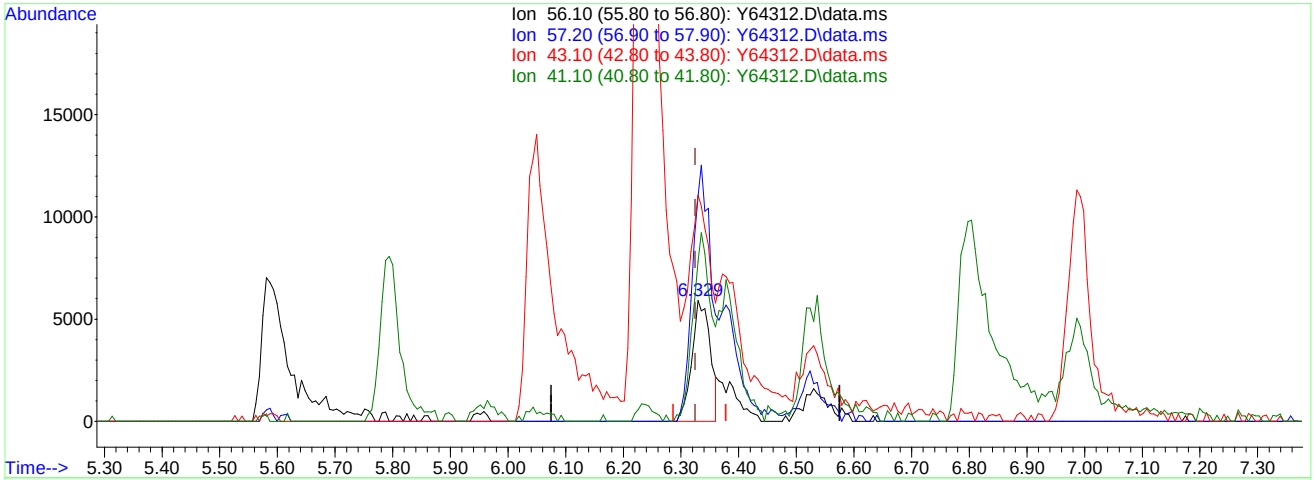
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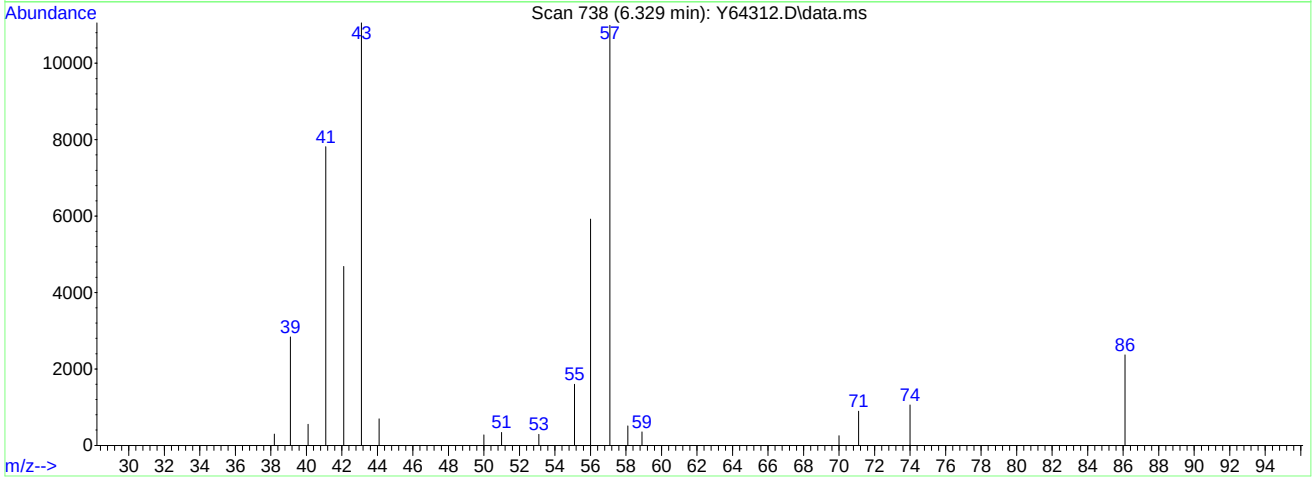
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	185.74
43.10	76.70	67.22
41.10	144.30	132.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:33:47 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64312.D\data.ms

(22) Hexane

6.329min (+0.004) 4.57ug/L m

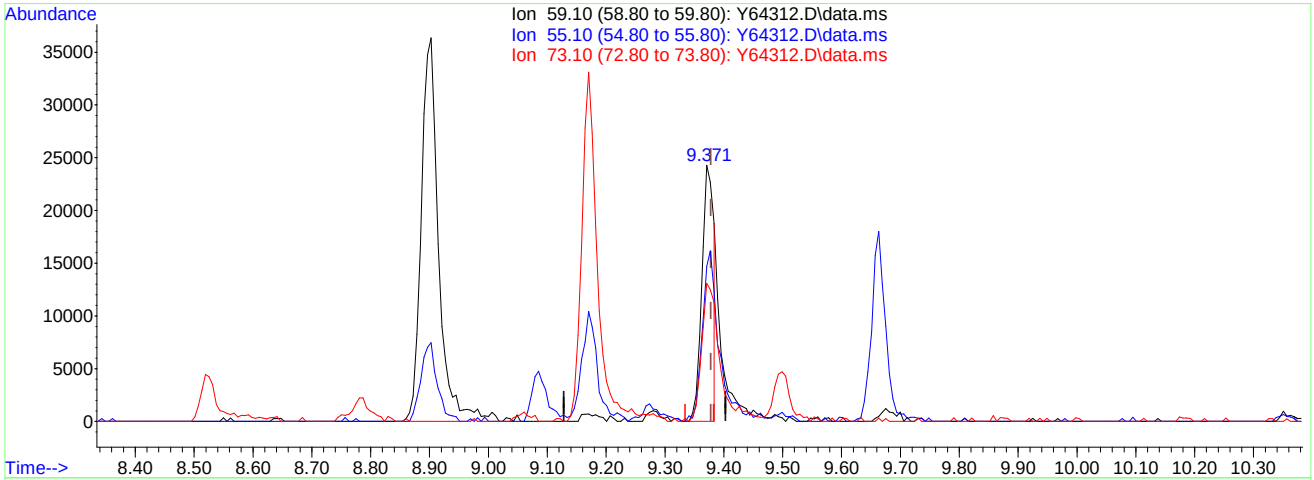
response 13106

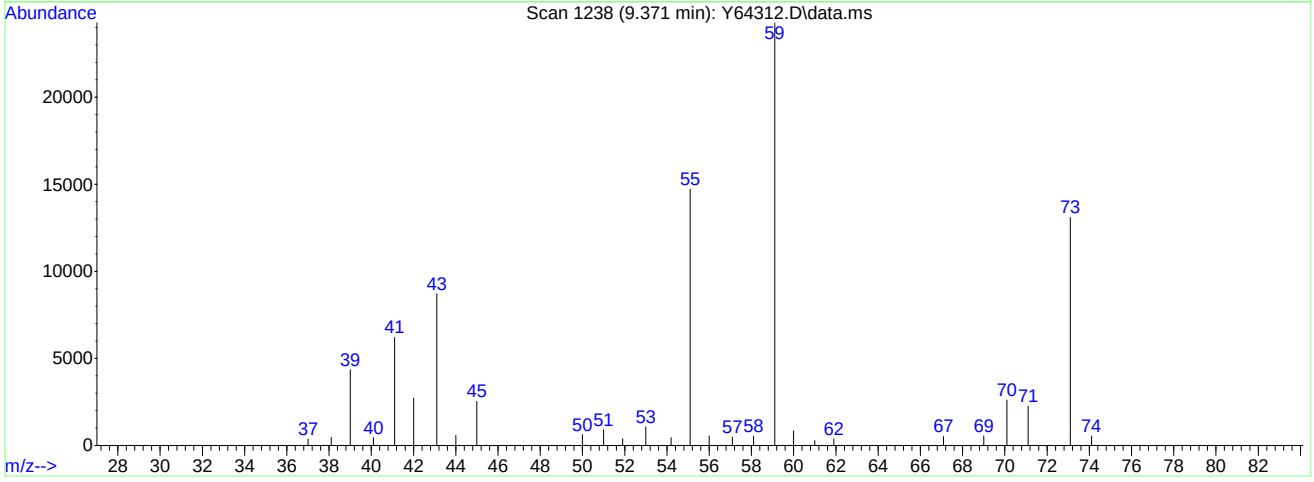
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	185.74
43.10	76.70	186.86#
41.10	144.30	132.03

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:33:47 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64312.D\data.ms

(52) Tert Amyl Alcohol

9.371min (-0.007) 38.13ug/L

response 34173

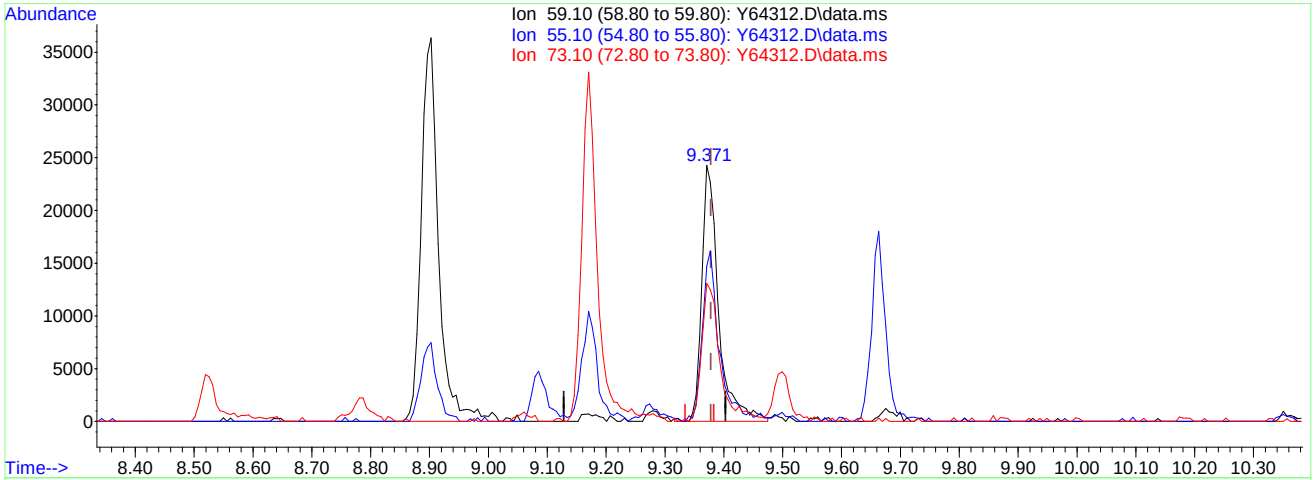
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	60.61
73.10	53.50	52.85
0.00	0.00	0.00

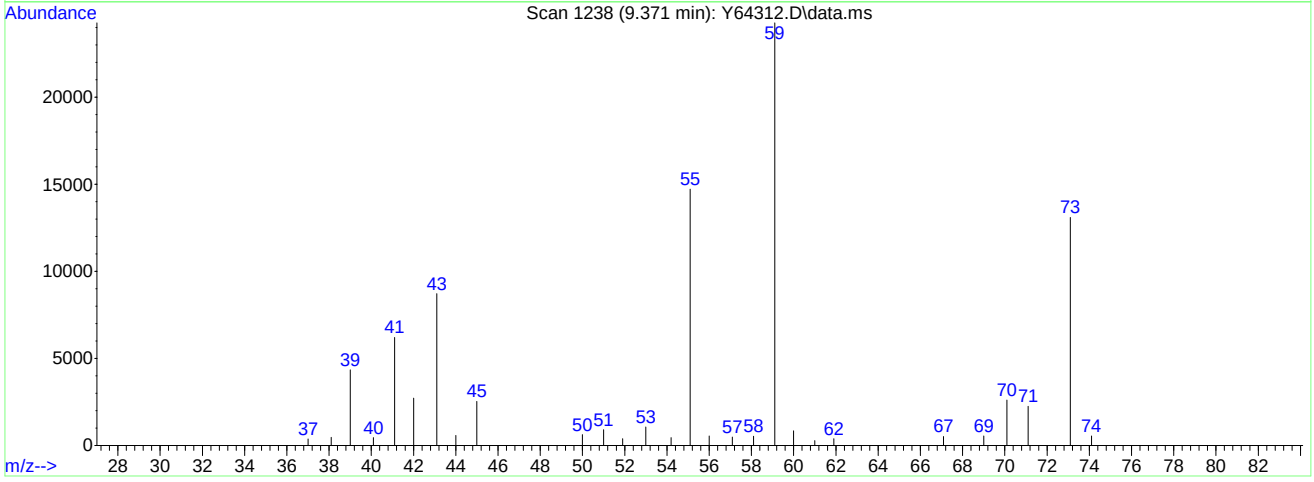
Y64312.D edits: Tert Amyl Alcohol

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64312.D
Acq On : 29 Aug 2022 1:29 pm
Operator : joannel
Sample : IC2666-2 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 09:33:47 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64312.D\data.ms

(52) Tert Amyl Alcohol

9.371min (-0.007) 53.26ug/L m

response 48056

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	60.61
73.10	53.50	53.96
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:47:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	9.497	96	712717	50.00	ug/L		0.00
62) Chlorobenzene-d5	12.149	117	588987	50.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	298427	50.00	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	8.603	113	159459	49.50	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.00%				
49) 1,2-Dichloroethane-d4	9.205	65	202171	50.53	ug/L		0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.06%				
63) Toluene-d8	10.933	98	730326	48.83	ug/L		0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.66%				
86) 4-Bromofluorobenzene	13.007	174	226587	49.58	ug/L		0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.16%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.848	85	42158	14.01	ug/L		97
3) Acrolein	5.585	56	41396	36.32	ug/L		94
4) Chloromethane	3.170	50	47643	10.57	ug/L		89
5) 1,3-butadiene	3.341	39	39591	10.21	ug/L		99
6) Vinyl Chloride	3.310	62	51850	11.84	ug/L		100
7) Bromomethane	3.827	94	8373	9.91	ug/L		93
8) Chloroethane	4.034	64	33049	27.65	ug/L		93
9) Trichlorofluoromethane	4.253	101	54066	10.98	ug/L		94
10) Ethyl Ether	4.746	59	32035	10.55	ug/L		97
11) Ethanol	4.995	45	12669	97.89	ug/L		94
12) 1,2-Dichlorotrifluoroe...	5.038	67	34808	11.49	ug/L		93
13) 1,1-Dichloroethene	5.056	61	46884	10.42	ug/L		93
14) Freon 113	5.111	101	32039	10.79	ug/L		92
15) Carbon Disulfide	5.105	76	87090	9.80	ug/L		94
16) Iodomethane	5.275	142	4706	3.23	ug/L		89
17) Allyl chloride	5.786	41	40838	8.23	ug/L		90
18) Methylene Chloride	5.956	49	69504	13.40	ug/L		92
19) Acetone	6.042	43	106224	44.20	ug/L		86
20) Methyl acetate	6.230	43	228325	48.67	ug/L		95
21) trans-1,2-Dichloroethene	6.224	61	50940	11.03	ug/L		97
22) Hexane	6.334	56	25075m	8.55	ug/L		
23) Methyl Tert Butyl Ether	6.376	73	107465	11.90	ug/L		70
24) Tert Butyl Alcohol	6.522	59	107445	69.63	ug/L		99
25) Acetonitrile	6.784	41	82076	84.77	ug/L		96
26) Di-isopropyl ether	6.985	45	115318	10.22	ug/L		97
27) Chloroprene	7.179	53	7289	1.48	ug/L		85
28) 1,1-Dichloroethane	7.216	63	61562	10.45	ug/L		97
29) Acrylonitrile	7.307	53	114141	49.92	ug/L		97
30) ETBE	7.575	59	113912	10.63	ug/L		94
31) Vinyl acetate	7.605	43	435629	47.62	ug/L		97
32) cis-1,2-Dichloroethene	8.031	96	39273	10.84	ug/L		95
33) 2,2-Dichloropropane	8.171	77	51163	10.86	ug/L		96
34) Bromochloromethane	8.299	128	18264	11.09	ug/L	#	78
35) Cyclohexane	8.293	56	65330	9.75	ug/L		97
36) Chloroform	8.384	83	64298	12.21	ug/L		94
37) Ethyl acetate	8.518	43	331919	48.76	ug/L		98
38) Tetrahydrofuran	8.591	42	25414	8.99	ug/L		98
40) Carbon Tetrachloride	8.554	117	40628	10.17	ug/L		86
41) 1,1,1-Trichloroethane	8.633	97	55062	11.54	ug/L		98
42) 2-Butanone	8.749	43	185173	47.49	ug/L		94
43) 1,1-Dichloropropene	8.779	75	48500	10.87	ug/L		91
44) tert-Butyl formate	8.895	59	129903	45.26	ug/L		93
45) Propionitrile	9.083	54	110900	87.99	ug/L		94
46) Methacrylonitrile	9.102	41	356840	87.33	ug/L		98
47) Benzene	9.059	78	165330	11.82	ug/L		93
48) TAME	9.169	73	112620	12.36	ug/L		94
50) Isobutyl Alcohol	9.272	42	52555	150.65	ug/L		96
51) 1,2-Dichloroethane	9.284	62	51618	11.07	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:47:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

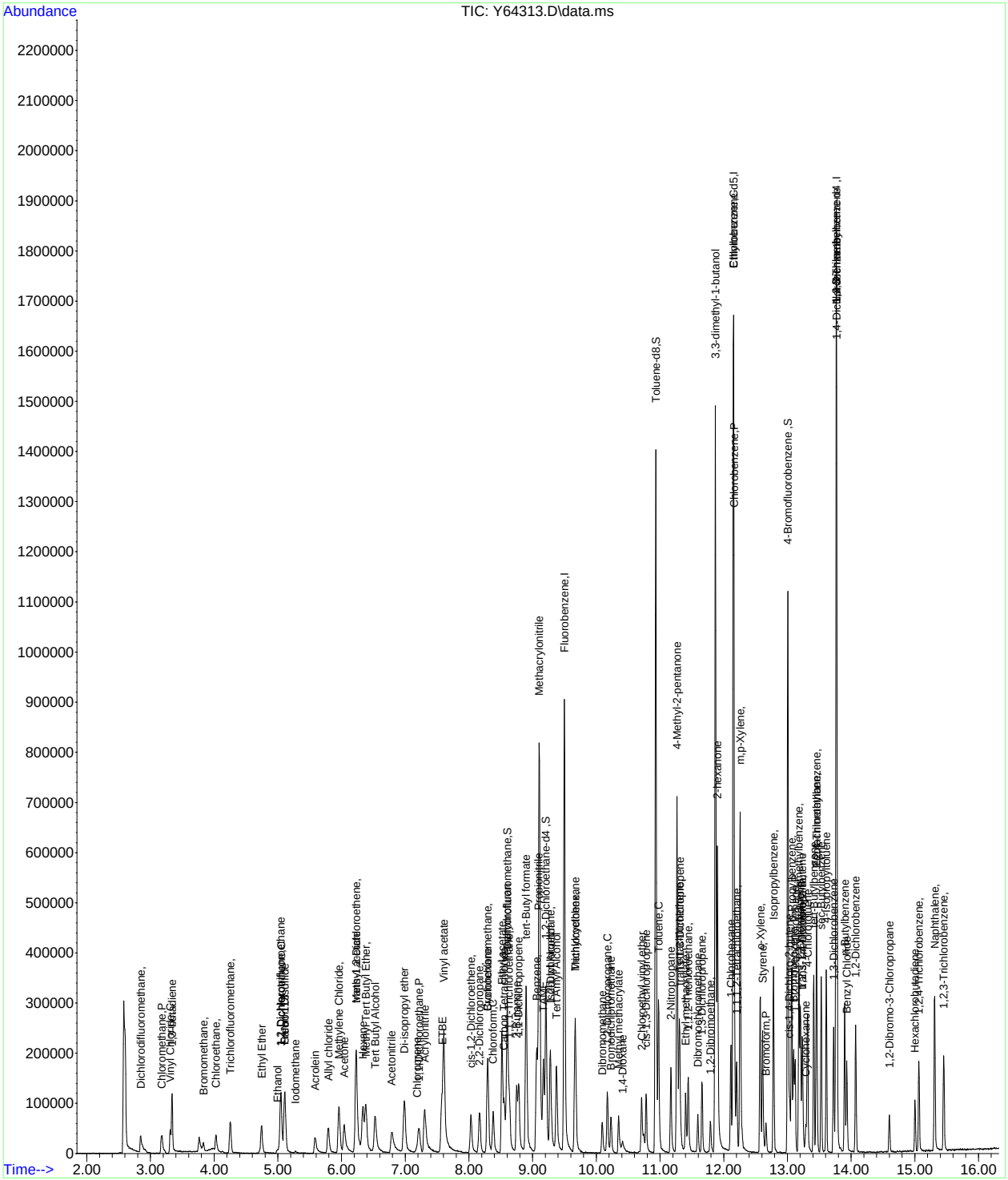
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
52) Tert Amyl Alcohol	9.375	59	90666m	96.03 ug/L	
53) Trichloroethene	9.673	95	40706	11.86 ug/L	91
54) Methylcyclohexane	9.661	83	66857	10.73 ug/L	89
55) Dibromomethane	10.093	93	23204	11.60 ug/L	94
56) 1,2-Dichloropropane	10.172	63	38724	10.54 ug/L	96
57) Bromodichloromethane	10.227	83	40368	10.49 ug/L	91
58) Methyl methacrylate	10.349	41	38109	8.42 ug/L	91
59) 1,4-Dioxane	10.416	88	15640	142.52 ug/L	86
60) 2-Chloroethyl vinyl ether	10.708	63	45155	75.08 ug/L	95
61) cis-1,3-Dichloropropene	10.781	75	52342	10.20 ug/L	89
64) Toluene	10.975	91	175737	10.70 ug/L	98
65) 2-Nitropropane	11.170	41	79658	38.47 ug/L	99
66) 4-Methyl-2-pentanone	11.267	43	370863	46.33 ug/L	98
67) trans-1,3-Dichloropropene	11.316	75	48219	9.92 ug/L	88
68) Tetrachloroethene	11.304	166	43324	10.45 ug/L	94
69) Ethyl methacrylate	11.401	69	50220	8.90 ug/L	90
70) 1,1,2-Trichloroethane	11.438	83	30971	11.36 ug/L	86
71) Dibromochloromethane	11.596	129	31619	9.05 ug/L	95
72) 1,3-Dichloropropane	11.657	76	66841	11.08 ug/L	91
73) 1,2-Dibromoethane	11.791	107	37718	10.52 ug/L	93
74) 3,3-dimethyl-1-butanol	11.870	57	562258	338.71 ug/L	97
75) 2-hexanone	11.900	43	295265	47.42 ug/L	97
76) 1-Chlorohexane	12.113	91	52260	9.67 ug/L	92
77) Ethylbenzene	12.156	91	194644	10.16 ug/L	99
78) Chlorobenzene	12.168	112	108818	10.25 ug/L	91
79) 1,1,1,2-Tetrachloroethane	12.204	131	34394	9.37 ug/L	96
80) m,p-Xylene	12.259	91	296319	20.20 ug/L	94
81) o-Xylene	12.569	91	146000	10.16 ug/L	98
82) Styrene	12.612	104	101686	9.19 ug/L	96
83) Bromoform	12.667	173	20342	8.22 ug/L	97
84) Isopropylbenzene	12.782	105	183052	10.27 ug/L	99
87) cis-1,4-Dichloro-2-butene	13.032	53	15720	7.32 ug/L	97
88) n-Propylbenzene	13.068	91	215936	10.11 ug/L	100
89) Bromobenzene	13.098	156	43120	10.54 ug/L	87
90) 1,1,2,2-Tetrachloroethane	13.123	83	61094	10.78 ug/L	96
91) 1,3,5-Trimethylbenzene	13.178	105	152478	10.32 ug/L	99
92) 2-Chlorotoluene	13.202	91	141842	10.10 ug/L	98
93) trans-1,4-Dichloro-2-B...	13.238	53	15009	7.66 ug/L #	35
94) 1,2,3-Trichloropropane	13.232	110	21202	11.05 ug/L	90
95) Cyclohexanone	13.287	55	17169	30.83 ug/L	93
96) 4-Chlorotoluene	13.317	91	128004	10.29 ug/L	97
97) tert-Butylbenzene	13.415	91	82314	9.96 ug/L	96
98) 1,2,4-Trimethylbenzene	13.457	105	142644	9.80 ug/L	96
99) Pentachloroethane	13.463	167	21079	9.07 ug/L	91
100) sec-Butylbenzene	13.530	105	179603	9.99 ug/L	98
101) 4-Isopropyltoluene	13.609	119	150524	9.60 ug/L	99
102) 1,3-Dichlorobenzene	13.725	146	77853	10.03 ug/L	98
103) 1,2,3-Trimethylbenzene	13.762	105	146400	10.15 ug/L	95
104) 1,4-Dichlorobenzene	13.780	146	81336	9.94 ug/L	92
105) n-Butylbenzene	13.902	92	68642	8.79 ug/L	97
106) Benzyl Chloride	13.932	126	20874	8.33 ug/L #	84
107) 1,2-Dichlorobenzene	14.072	146	75689	10.01 ug/L	96
108) 1,2-Dibromo-3-Chloropr...	14.601	75	12974	8.36 ug/L	92
109) Hexachlorobutadiene	15.003	225	13265	7.41 ug/L	93
110) 1,2,4-Trichlorobenzene	15.063	180	45853	9.18 ug/L	93
111) Naphthalene	15.313	128	210950	9.85 ug/L	100
112) 1,2,3-Trichlorobenzene	15.453	180	47647	9.67 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:47:23 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

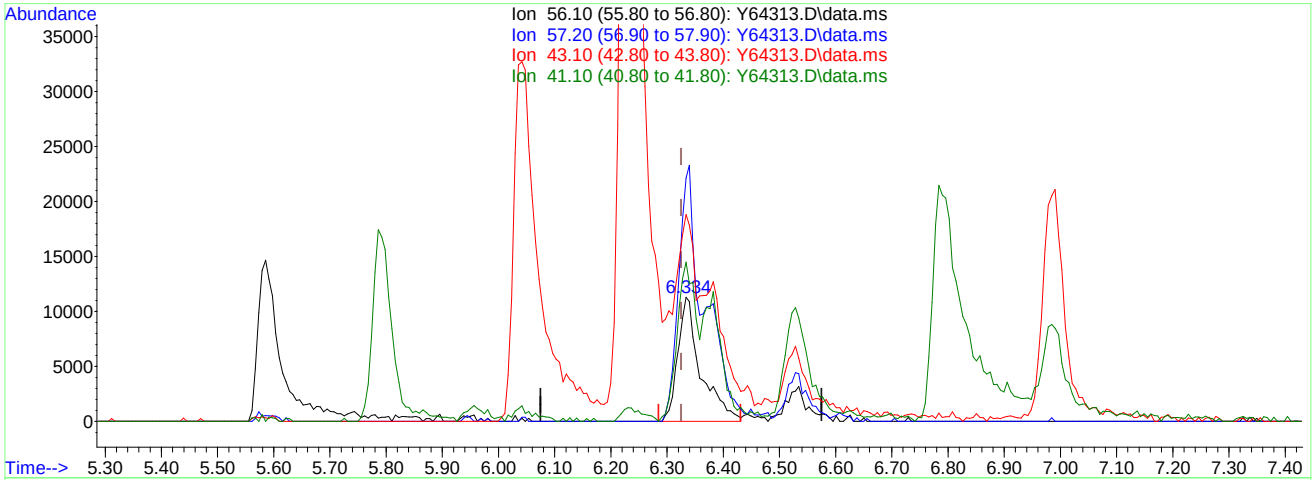
Sample Number: VY2666-IC2666
Lab FileID: Y64313.D
Injection Time: 08/29/22 13:54
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

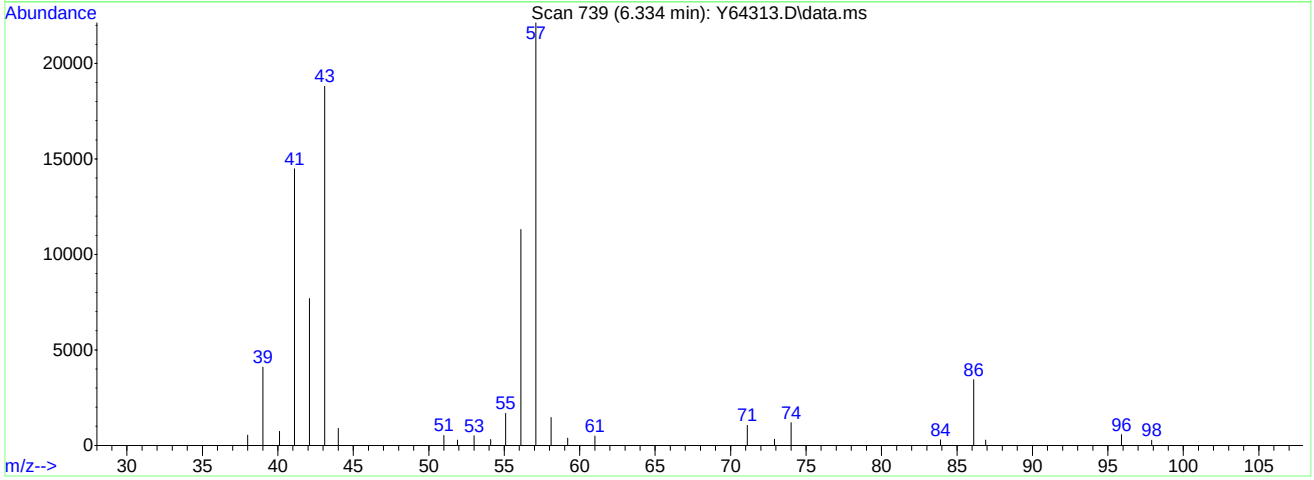
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:33:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64313.D\data.ms

(22) Hexane

6.334min (+0.009) 10.96ug/L

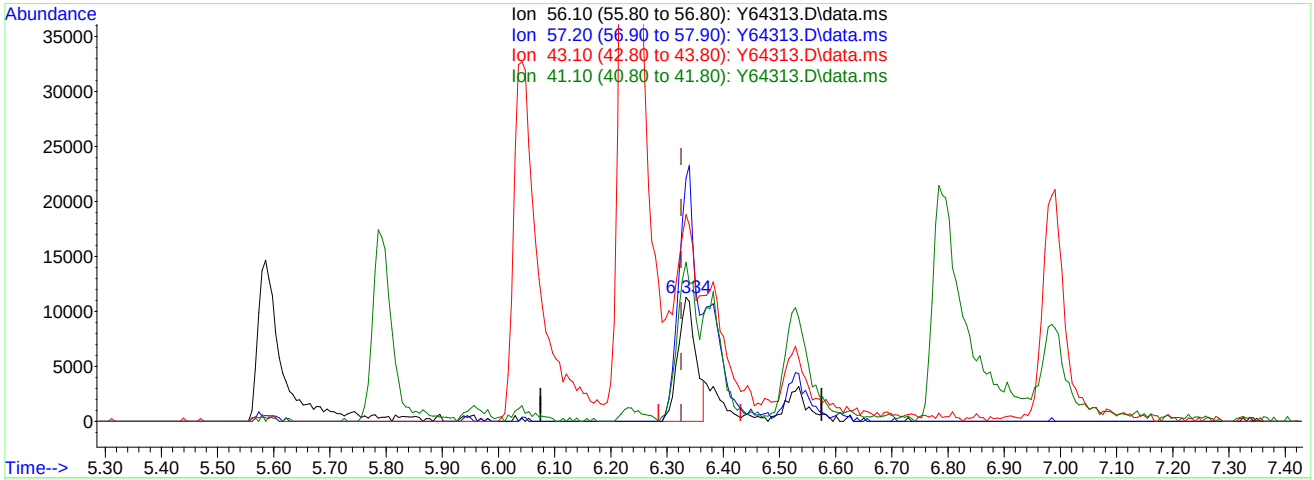
response 32024

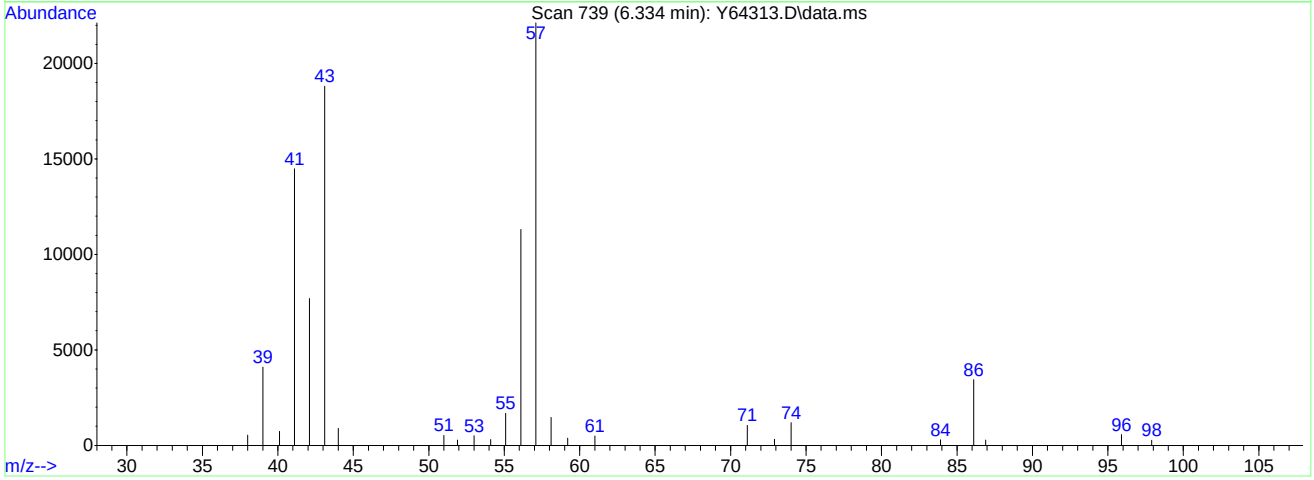
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	195.75
43.10	76.70	142.29#
41.10	144.30	128.13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:33:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64313.D\data.ms

(22) Hexane

6.334min (+0.009) 8.55ug/L m

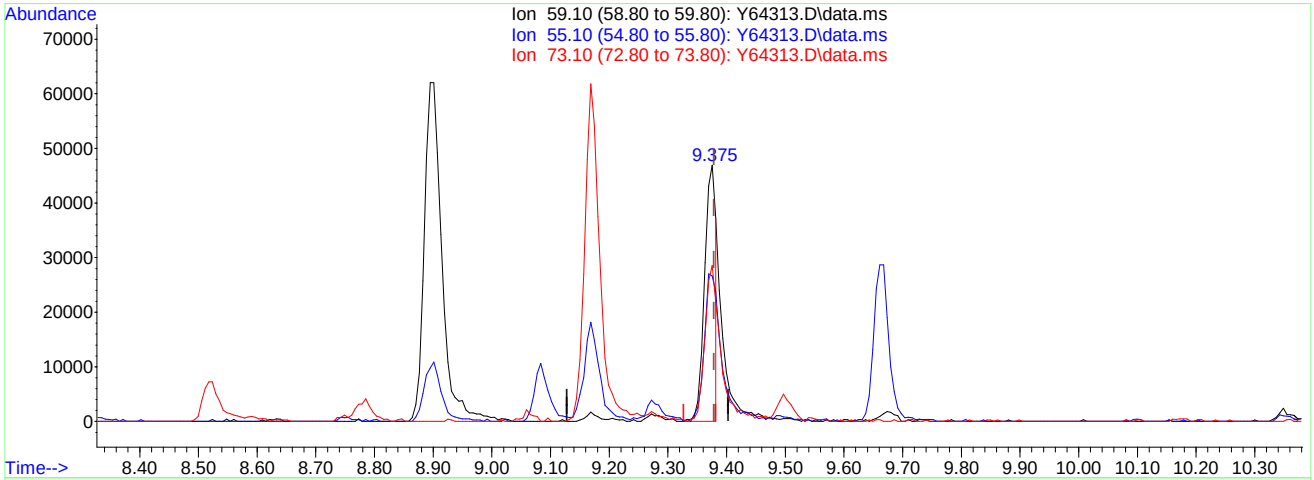
response 25075

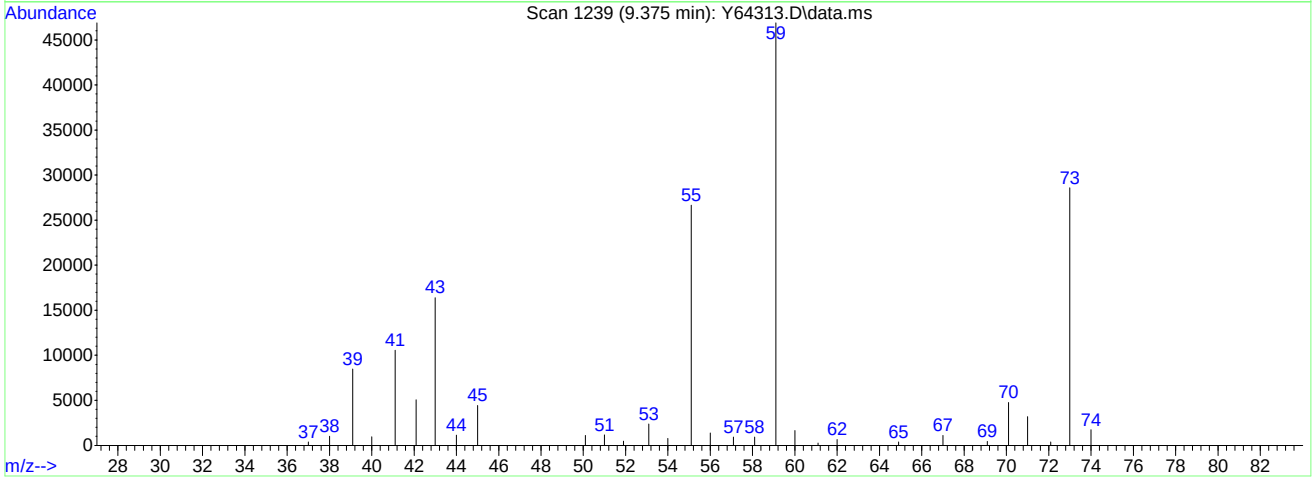
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	195.75
43.10	76.70	166.38#
41.10	144.30	128.13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:33:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64313.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 68.19ug/L

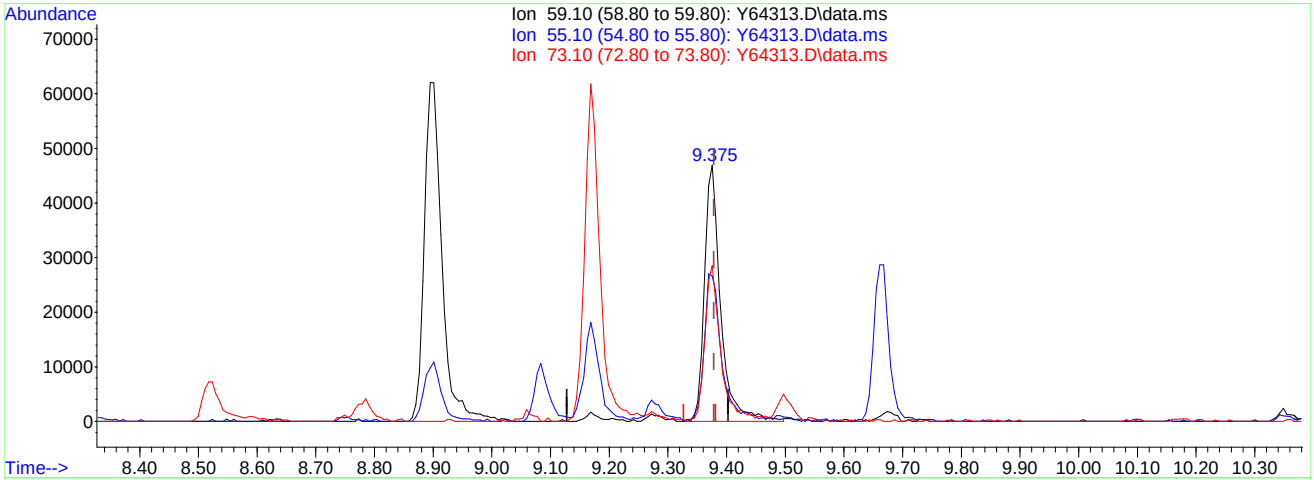
response 63629

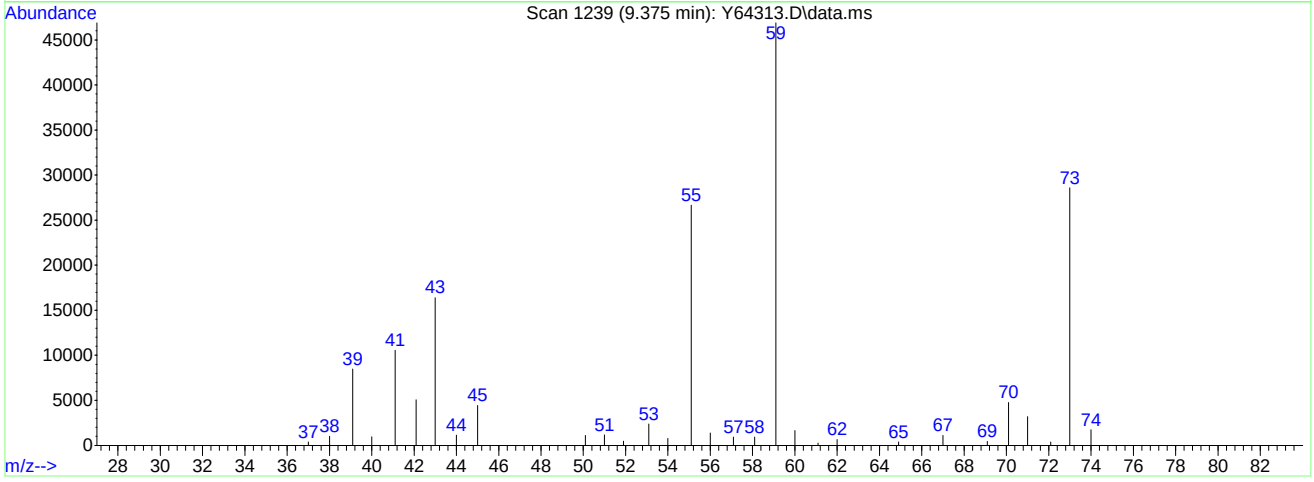
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	56.80
73.10	53.50	60.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64313.D
Acq On : 29 Aug 2022 1:54 pm
Operator : joannel
Sample : IC2666-3 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:33:48 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64313.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 96.03ug/L m

response 90666

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	56.80
73.10	53.50	60.92
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:48:25 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.498	96	727825	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	595423	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	309430	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.604	113	164710	50.07	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.14%			
49) 1,2-Dichloroethane-d4	9.206	65	196823	48.17	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.34%			
63) Toluene-d8	10.934	98	734974	48.61	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.22%			
86) 4-Bromofluorobenzene	13.008	174	234972	49.58	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.842	85	102247	32.79	ug/L	98
3) Acrolein	5.580	56	120900	103.86	ug/L	98
4) Chloromethane	3.177	50	108387	23.55	ug/L	98
5) 1,3-butadiene	3.341	39	109341	28.51	ug/L	97
6) Vinyl Chloride	3.311	62	117493	26.28	ug/L	98
7) Bromomethane	3.828	94	22348	25.13	ug/L	90
8) Chloroethane	4.029	64	56026	45.89	ug/L	99
9) Trichlorofluoromethane	4.248	101	129957	25.85	ug/L	97
10) Ethyl Ether	4.747	59	77500	24.98	ug/L	99
11) Ethanol	4.990	45	40392	300.95	ug/L	94
12) 1,2-Dichlorotrifluoroe...	5.039	67	87190	28.19	ug/L	99
13) 1,1-Dichloroethene	5.051	61	120166	26.14	ug/L	99
14) Freon 113	5.112	101	82554	27.21	ug/L	93
15) Carbon Disulfide	5.099	76	224149	24.71	ug/L	94
16) Iodomethane	5.276	142	15129	10.17	ug/L	94
17) Allyl chloride	5.793	41	115547	22.81	ug/L	94
18) Methylene Chloride	5.957	49	157095	29.66	ug/L	93
19) Acetone	6.036	43	260742	106.25	ug/L	94
20) Methyl acetate	6.231	43	577243	118.24	ug/L	97
21) trans-1,2-Dichloroethene	6.219	61	119232	25.16	ug/L	97
22) Hexane	6.334	56	69113m	23.59	ug/L	
23) Methyl Tert Butyl Ether	6.377	73	265704	28.82	ug/L	66
24) Tert Butyl Alcohol	6.529	59	287108	182.19	ug/L	97
25) Acetonitrile	6.785	41	225762	223.17	ug/L	95
26) Di-isopropyl ether	6.985	45	289832	25.14	ug/L	98
27) Chloroprene	7.180	53	23073	4.59	ug/L	94
28) 1,1-Dichloroethane	7.216	63	159341	26.49	ug/L	94
29) Acrylonitrile	7.296	53	346351	142.96	ug/L	100
30) ETBE	7.575	59	286925	26.21	ug/L	98
31) Vinyl acetate	7.600	43	1274082	132.57	ug/L	100
32) cis-1,2-Dichloroethene	8.032	96	97492	26.43	ug/L	97
33) 2,2-Dichloropropane	8.166	77	130619	27.16	ug/L	98
34) Bromochloromethane	8.293	128	46127	27.67	ug/L	95
35) Cyclohexane	8.293	56	176372	25.78	ug/L	96
36) Chloroform	8.378	83	158711	29.52	ug/L	96
37) Ethyl acetate	8.512	43	965056	138.82	ug/L	99
38) Tetrahydrofuran	8.585	42	68640	23.77	ug/L	95
40) Carbon Tetrachloride	8.555	117	107811	26.42	ug/L	98
41) 1,1,1-Trichloroethane	8.634	97	134834	27.68	ug/L	98
42) 2-Butanone	8.743	43	460313	115.60	ug/L	98
43) 1,1-Dichloropropene	8.780	75	127822	27.86	ug/L	92
44) tert-Butyl formate	8.896	59	395387	134.90	ug/L	98
45) Propionitrile	9.084	54	293669	228.17	ug/L	90
46) Methacrylonitrile	9.102	41	952218	228.20	ug/L	98
47) Benzene	9.060	78	405618	28.40	ug/L	97
48) TAME	9.169	73	278382	29.42	ug/L	92
50) Isobutyl Alcohol	9.273	42	154045	411.11	ug/L	97
51) 1,2-Dichloroethane	9.285	62	125004	26.24	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:48:25 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

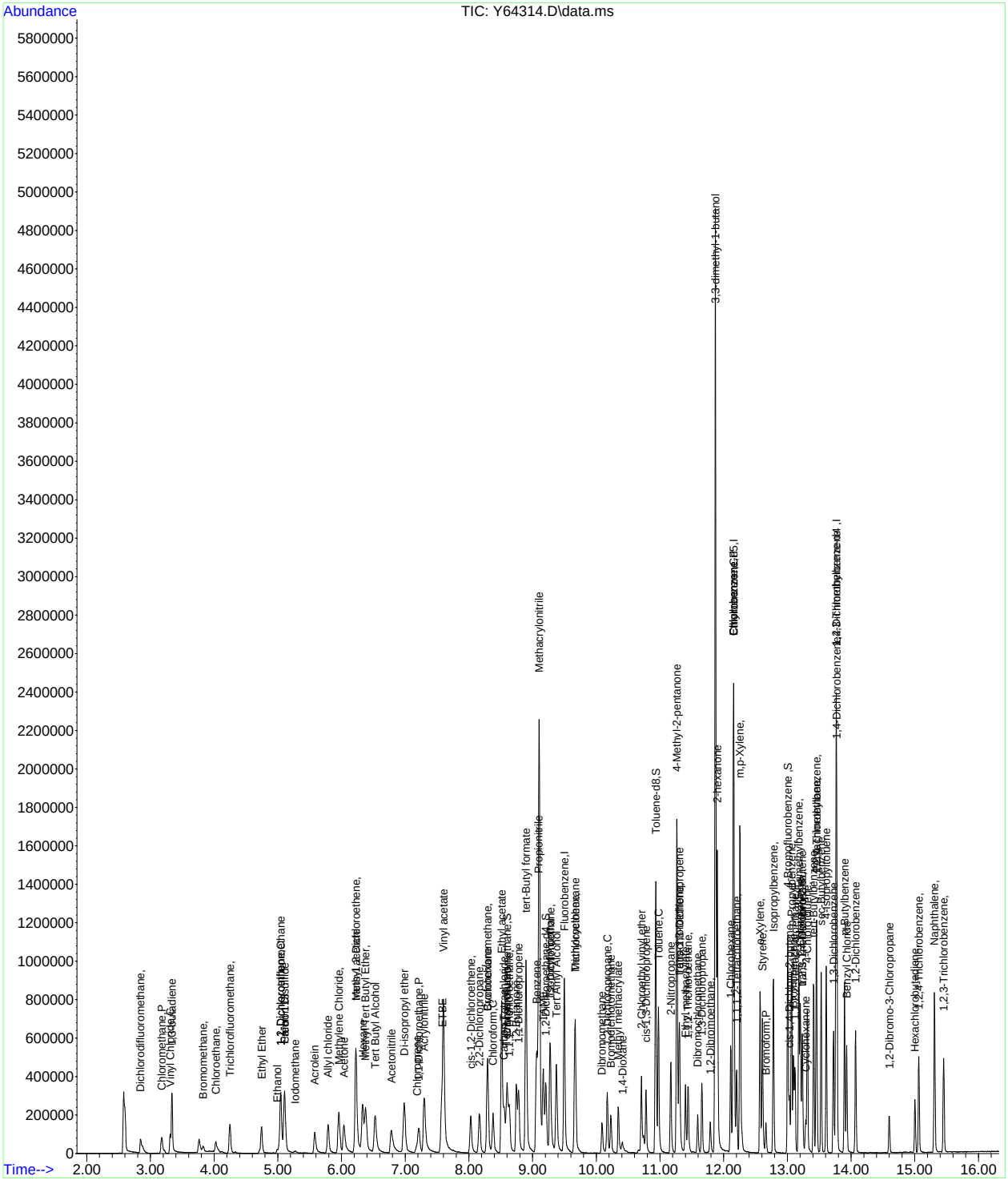
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tert Amyl Alcohol	9.376	59	242528m	237.36	ug/L		
53) Trichloroethene	9.674	95	99247	28.32	ug/L		97
54) Methylcyclohexane	9.662	83	175344	27.47	ug/L		95
55) Dibromomethane	10.088	93	54840	26.78	ug/L		96
56) 1,2-Dichloropropane	10.173	63	97291	25.88	ug/L		93
57) Bromodichloromethane	10.228	83	103453	25.98	ug/L		96
58) Methyl methacrylate	10.343	41	110468	23.22	ug/L		95
59) 1,4-Dioxane	10.410	88	40853	364.68	ug/L		90
60) 2-Chloroethyl vinyl ether	10.708	63	138516	208.57	ug/L		97
61) cis-1,3-Dichloropropene	10.781	75	140524	26.43	ug/L		93
64) Toluene	10.976	91	437942	26.37	ug/L		97
65) 2-Nitropropane	11.171	41	217374	101.57	ug/L		98
66) 4-Methyl-2-pentanone	11.262	43	910852	112.56	ug/L		99
67) trans-1,3-Dichloropropene	11.311	75	119985	24.12	ug/L	#	74
68) Tetrachloroethene	11.305	166	108537	25.89	ug/L		96
69) Ethyl methacrylate	11.402	69	148020	25.26	ug/L		88
70) 1,1,2-Trichloroethane	11.445	83	75949	27.55	ug/L		94
71) Dibromochloromethane	11.591	129	84159	23.69	ug/L		99
72) 1,3-Dichloropropane	11.657	76	163888	26.87	ug/L		94
73) 1,2-Dibromoethane	11.791	107	92002	25.30	ug/L		99
74) 3,3-dimethyl-1-butanol	11.870	57	1728188	1011.98	ug/L		98
75) 2-hexanone	11.901	43	713486	105.58	ug/L		95
76) 1-Chlorohexane	12.114	91	137275	24.93	ug/L		87
77) Ethylbenzene	12.156	91	485801	25.08	ug/L		97
78) Chlorobenzene	12.162	112	266591	24.85	ug/L		98
79) 1,1,1,2-Tetrachloroethane	12.205	131	88350	23.69	ug/L		98
80) m,p-Xylene	12.254	91	752208	50.71	ug/L		99
81) o-Xylene	12.570	91	365669	25.16	ug/L		100
82) Styrene	12.606	104	274620	24.09	ug/L		97
83) Bromoform	12.661	173	53126	20.81	ug/L		98
84) Isopropylbenzene	12.783	105	465596	25.85	ug/L		99
87) cis-1,4-Dichloro-2-butene	13.032	53	44276	19.87	ug/L		92
88) n-Propylbenzene	13.063	91	572136	25.83	ug/L		98
89) Bromobenzene	13.099	156	108448	25.57	ug/L		85
90) 1,1,2,2-Tetrachloroethane	13.117	83	150375	25.59	ug/L		97
91) 1,3,5-Trimethylbenzene	13.178	105	394643	25.77	ug/L		97
92) 2-Chlorotoluene	13.203	91	361894	24.85	ug/L		100
93) trans-1,4-Dichloro-2-B...	13.239	53	41198	19.82	ug/L	#	58
94) 1,2,3-Trichloropropane	13.233	110	51059	25.66	ug/L		95
95) Cyclohexanone	13.288	55	53071	91.92	ug/L		96
96) 4-Chlorotoluene	13.312	91	319410	24.77	ug/L		98
97) tert-Butylbenzene	13.416	91	206747	24.12	ug/L		92
98) 1,2,4-Trimethylbenzene	13.452	105	380202	25.19	ug/L		99
99) Pentachloroethane	13.464	167	57028	23.67	ug/L		96
100) sec-Butylbenzene	13.531	105	465002	24.95	ug/L		99
101) 4-Isopropyltoluene	13.610	119	390280	24.00	ug/L		98
102) 1,3-Dichlorobenzene	13.726	146	198161	24.62	ug/L		97
103) 1,2,3-Trimethylbenzene	13.762	105	373125	24.96	ug/L		98
104) 1,4-Dichlorobenzene	13.781	146	205256	24.19	ug/L		94
105) n-Butylbenzene	13.896	92	194521	23.41	ug/L		99
106) Benzyl Chloride	13.933	126	64363	23.93	ug/L		98
107) 1,2-Dichlorobenzene	14.073	146	194306	24.79	ug/L		98
108) 1,2-Dibromo-3-Chloropr...	14.596	75	34094	21.18	ug/L		97
109) Hexachlorobutadiene	15.003	225	36393	19.39	ug/L		94
110) 1,2,4-Trichlorobenzene	15.064	180	123771	23.91	ug/L		98
111) Naphthalene	15.308	128	539708	24.32	ug/L		100
112) 1,2,3-Trichlorobenzene	15.454	180	124089	24.28	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:48:25 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

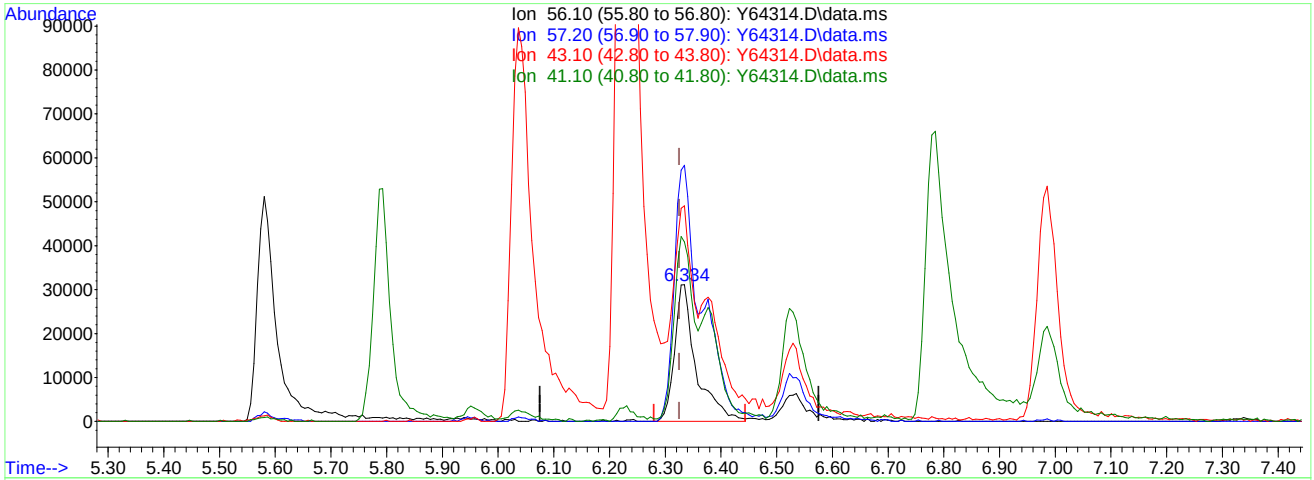
Sample Number: VY2666-IC2666
Lab FileID: Y64314.D
Injection Time: 08/29/22 14:19
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

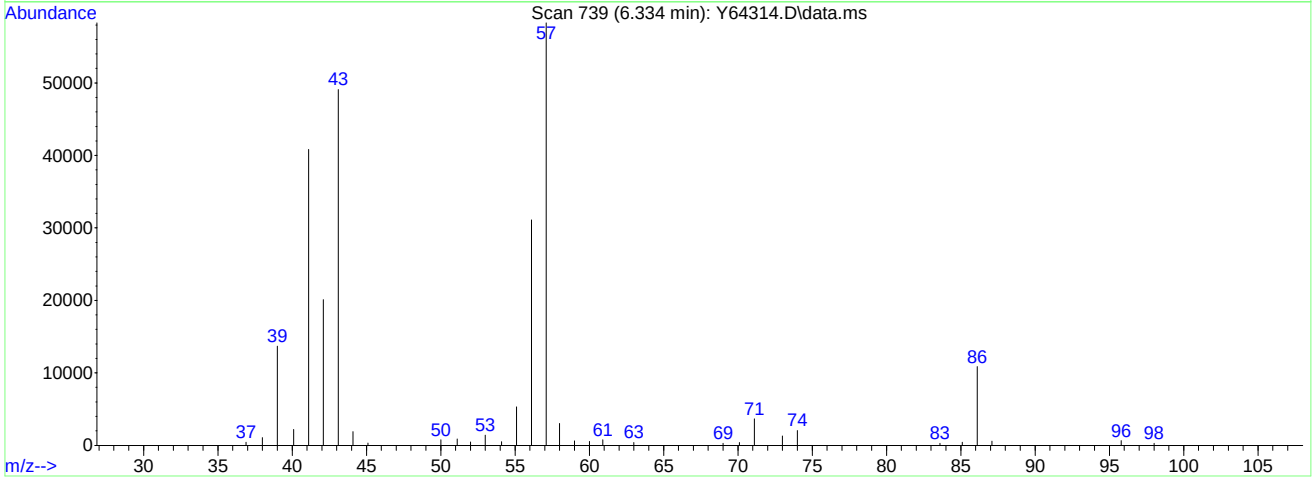
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:33:50 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64314.D\data.ms

(22) Hexane

6.334min (+0.009) 29.00ug/L

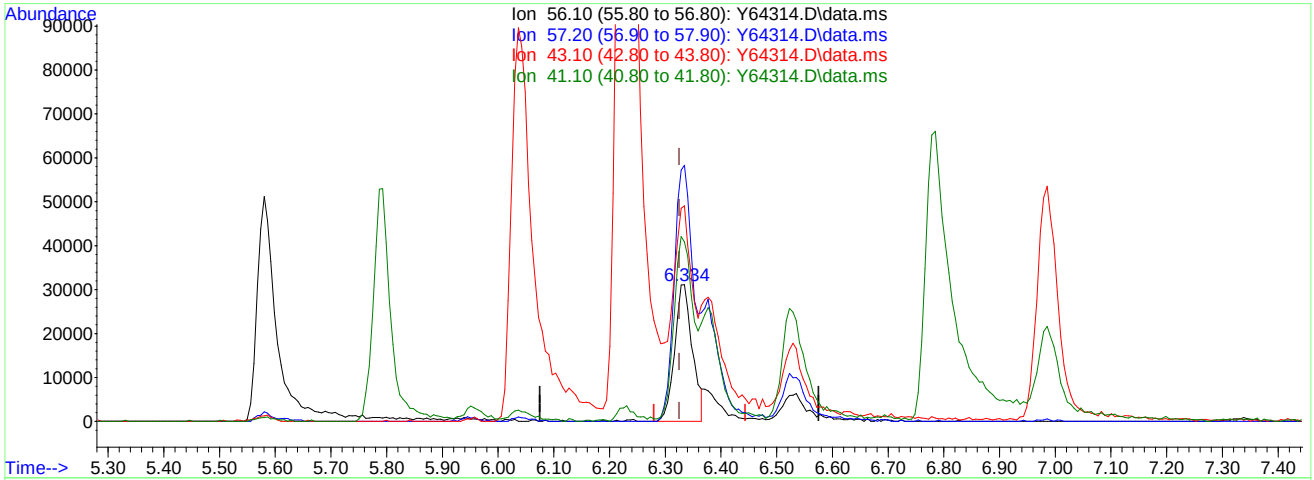
response 84302

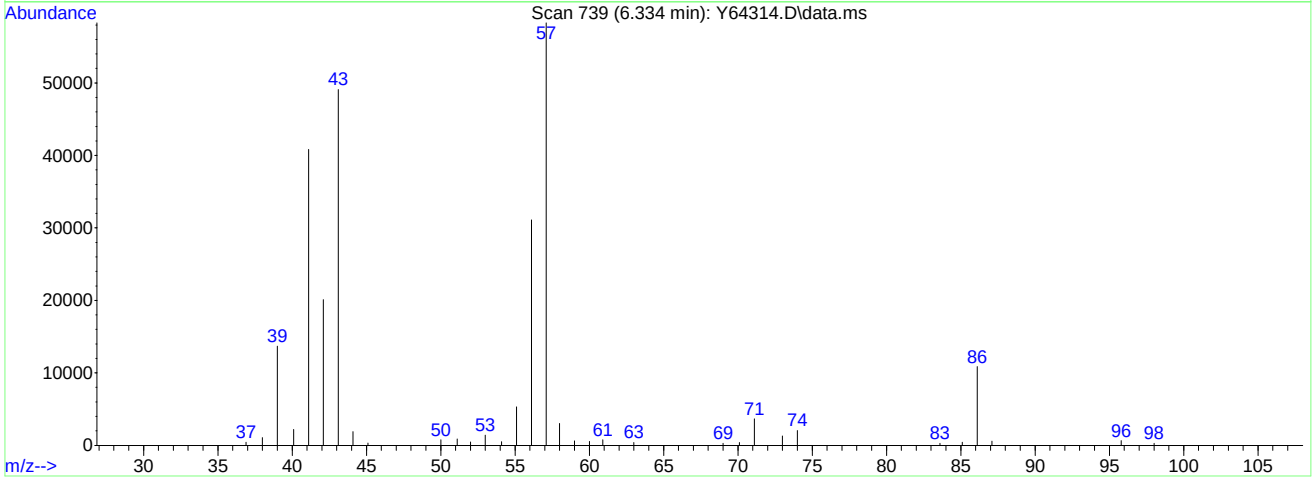
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	187.35
43.10	76.70	141.11#
41.10	144.30	129.40

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:33:50 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64314.D\data.ms

(22) Hexane

6.334min (+0.009) 23.59ug/L m

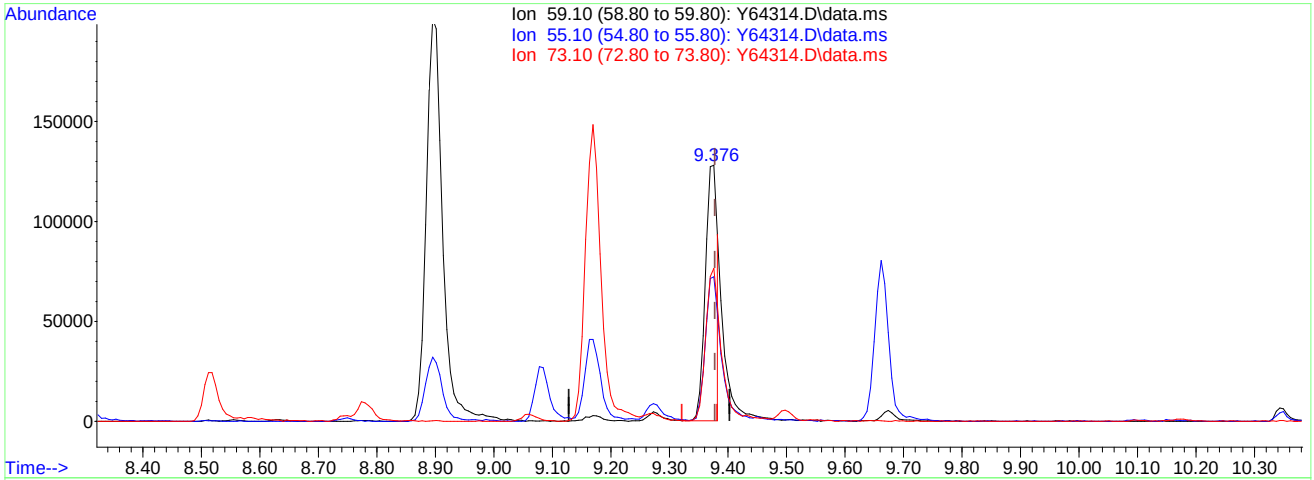
response 69113

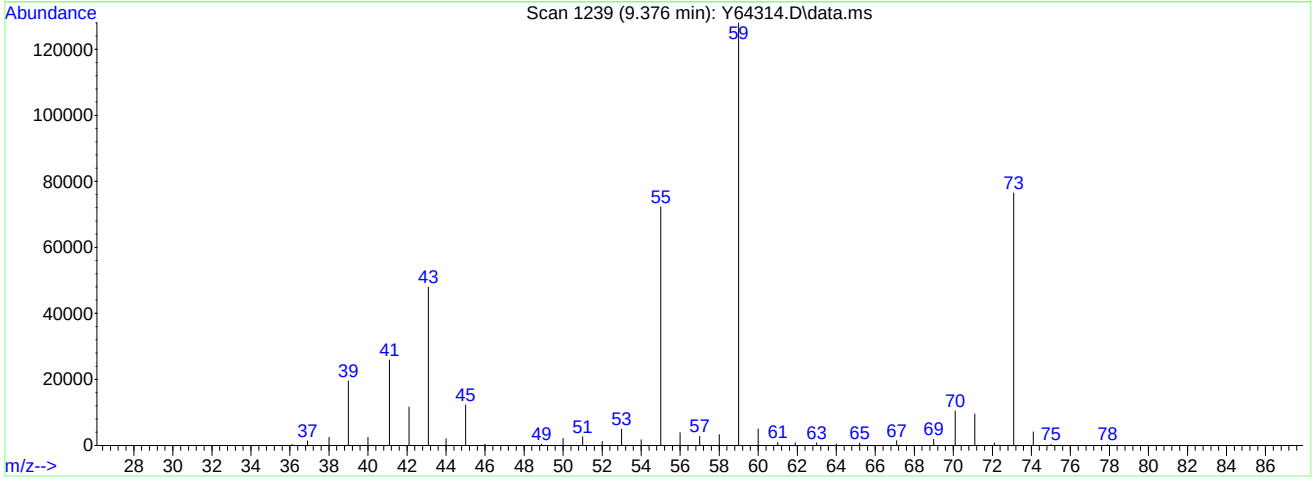
Ion	Exp%	Act%
56.10	100	100
57.20	204.80	187.35
43.10	76.70	157.71#
41.10	144.30	131.23

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:33:50 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64314.D\data.ms

(52) Tert Amyl Alcohol

9.376min (-0.002) 182.38ug/L

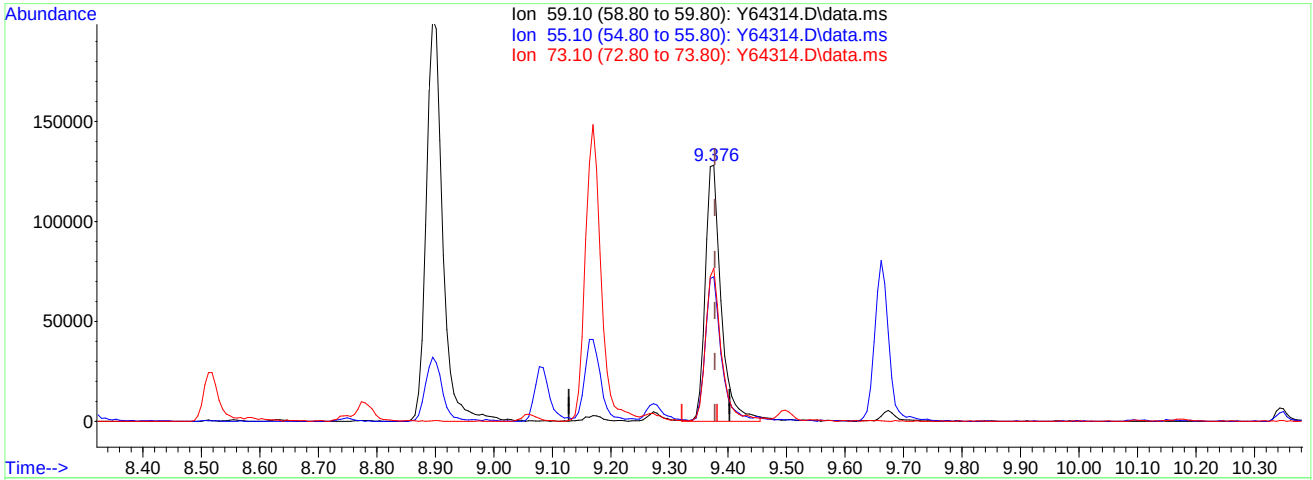
response 182260

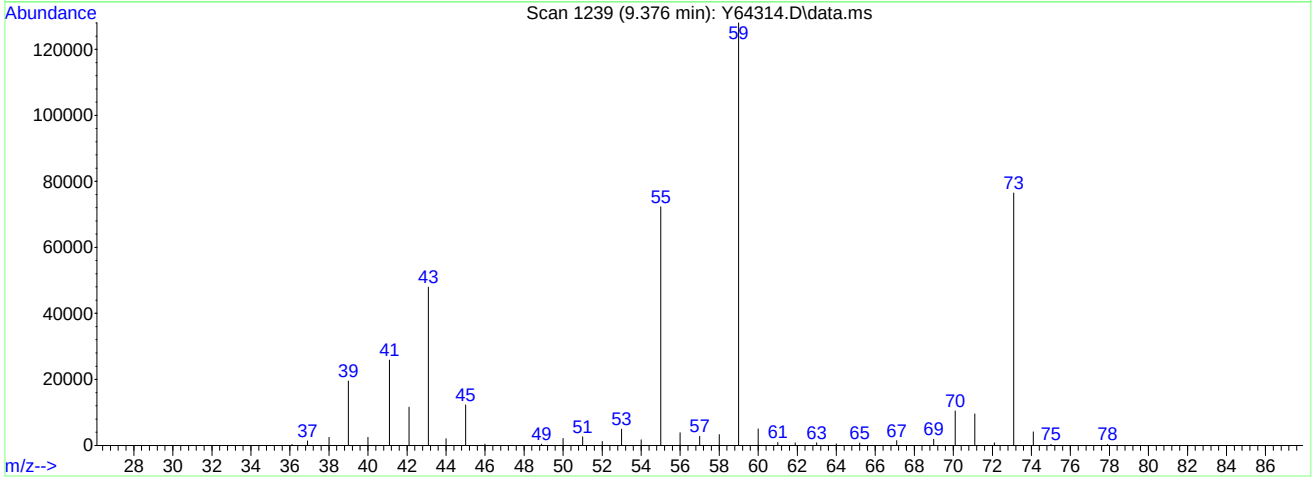
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	55.88
73.10	53.50	59.32
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64314.D
Acq On : 29 Aug 2022 2:19 pm
Operator : joannel
Sample : IC2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 09:33:50 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64314.D\data.ms

(52) Tert Amyl Alcohol

9.376min (-0.002) 237.36ug/L m

response 242528

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	56.42
73.10	53.50	59.72
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:49:22 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	767973	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	617075	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	336296	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	173950	50.12	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.24%			
49) 1,2-Dichloroethane-d4	9.211	65	206771	47.96	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.92%			
63) Toluene-d8	10.932	98	770670	49.18	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.36%			
86) 4-Bromofluorobenzene	13.007	174	255223	49.55	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	171398	51.35	ug/L	98
3) Acrolein	5.579	56	236442	192.51	ug/L	96
4) Chloromethane	3.176	50	174411	35.92	ug/L	99
5) 1,3-butadiene	3.340	39	188315	48.22	ug/L	97
6) Vinyl Chloride	3.310	62	192998	40.92	ug/L	95
7) Bromomethane	3.827	94	47290	48.22	ug/L	99
8) Chloroethane	4.028	64	72853	56.56	ug/L	97
9) Trichlorofluoromethane	4.241	101	223298	42.09	ug/L	99
10) Ethyl Ether	4.746	59	135375	41.36	ug/L	97
11) Ethanol	5.001	45	89698	618.59	ug/L	97
12) 1,2-Dichlorotrifluoroe...	5.044	67	149324	45.76	ug/L	97
13) 1,1-Dichloroethene	5.050	61	204219	42.10	ug/L	96
14) Freon 113	5.104	101	143409	44.77	ug/L	94
15) Carbon Disulfide	5.098	76	399762	41.76	ug/L	97
16) Iodomethane	5.281	142	37319	23.77	ug/L	92
17) Allyl chloride	5.792	41	214194	40.07	ug/L	94
18) Methylene Chloride	5.956	49	245918	44.00	ug/L	90
19) Acetone	6.041	43	414543	160.09	ug/L	99
20) Methyl acetate	6.230	43	1007115	191.71	ug/L	97
21) trans-1,2-Dichloroethene	6.218	61	205080	40.81	ug/L	96
22) Hexane	6.333	56	122650m	40.70	ug/L	
23) Methyl Tert Butyl Ether	6.376	73	465899	47.89	ug/L	91
24) Tert Butyl Alcohol	6.534	59	512606	308.27	ug/L	99
25) Acetonitrile	6.784	41	418817	382.39	ug/L	99
26) Di-isopropyl ether	6.984	45	501786	41.26	ug/L	99
27) Chloroprene	7.179	53	41756	7.87	ug/L	94
28) 1,1-Dichloroethane	7.215	63	261937	41.27	ug/L	98
29) Acrylonitrile	7.301	53	503708	193.25	ug/L	99
30) ETBE	7.574	59	483002	41.82	ug/L	98
31) Vinyl acetate	7.599	43	2004703	193.79	ug/L	99
32) cis-1,2-Dichloroethene	8.031	96	166967	43.04	ug/L	95
33) 2,2-Dichloropropane	8.164	77	227473	44.83	ug/L	99
34) Bromochloromethane	8.292	128	76749	44.00	ug/L	92
35) Cyclohexane	8.292	56	306895	42.54	ug/L	95
36) Chloroform	8.377	83	265841	46.85	ug/L	96
37) Ethyl acetate	8.511	43	1432650	195.31	ug/L	99
38) Tetrahydrofuran	8.590	42	112259	36.84	ug/L	94
40) Carbon Tetrachloride	8.554	117	185038	42.97	ug/L	98
41) 1,1,1-Trichloroethane	8.633	97	230105	44.76	ug/L	99
42) 2-Butanone	8.742	43	733722	174.63	ug/L	98
43) 1,1-Dichloropropene	8.779	75	214701	44.06	ug/L	92
44) tert-Butyl formate	8.901	59	765340	247.48	ug/L	98
45) Propionitrile	9.083	54	529091	389.60	ug/L	98
46) Methacrylonitrile	9.107	41	1736773	394.46	ug/L	100
47) Benzene	9.059	78	674847	44.78	ug/L	97
48) TAME	9.168	73	470604	46.36	ug/L	92
50) Isobutyl Alcohol	9.272	42	304128	725.98	ug/L	97
51) 1,2-Dichloroethane	9.278	62	208864	41.56	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:49:22 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

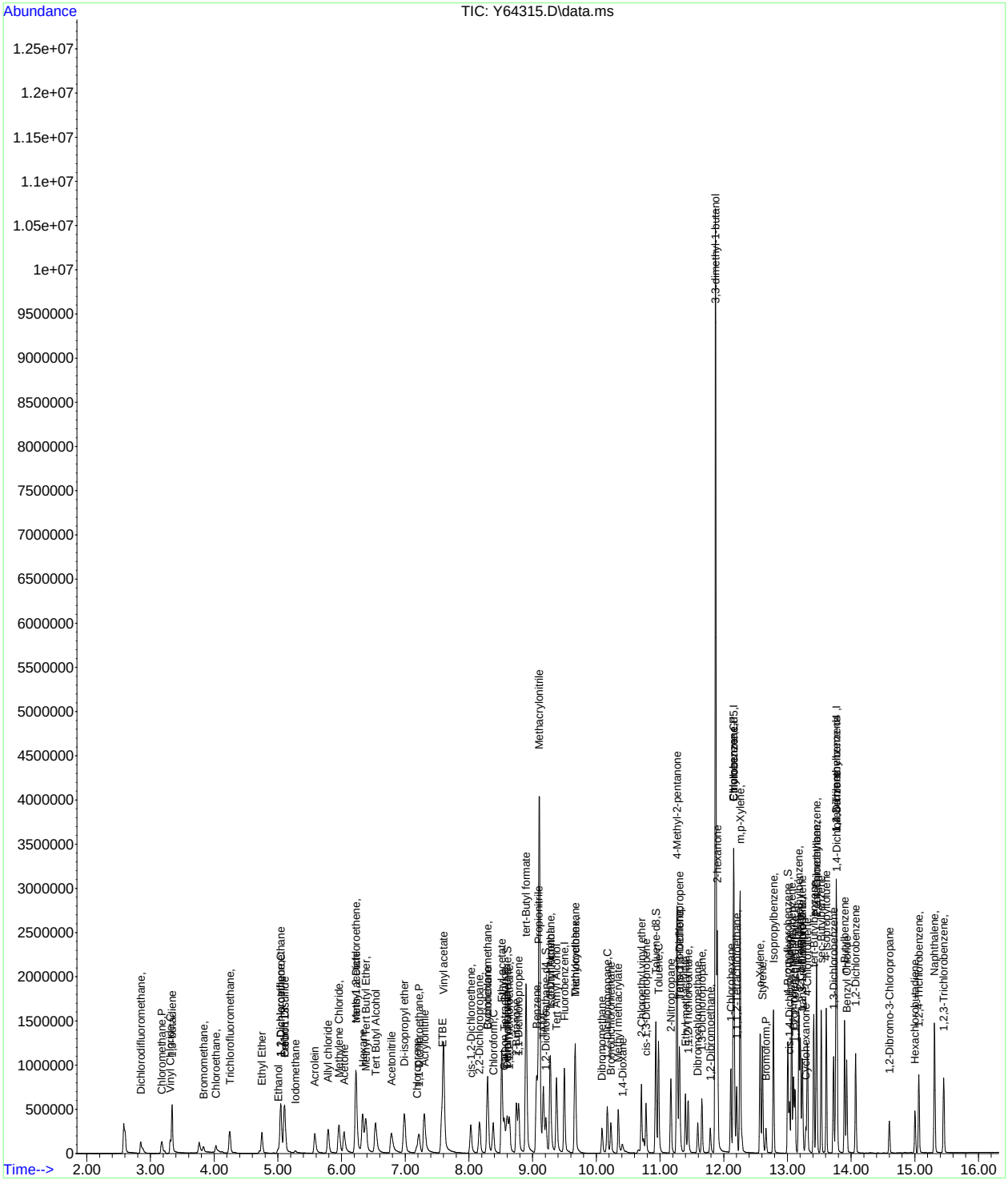
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Tert Amyl Alcohol	9.375	59	434506m	381.16 ug/L		
53) Trichloroethene	9.673	95	166907	45.13 ug/L		98
54) Methylcyclohexane	9.661	83	307047	45.43 ug/L		91
55) Dibromomethane	10.087	93	93888	43.33 ug/L		95
56) 1,2-Dichloropropane	10.172	63	164096	41.27 ug/L		96
57) Bromodichloromethane	10.227	83	182872	42.90 ug/L		96
58) Methyl methacrylate	10.342	41	211580	40.77 ug/L		96
59) 1,4-Dioxane	10.409	88	76872	650.66 ug/L		91
60) 2-Chloroethyl vinyl ether	10.707	63	260123	344.76 ug/L		96
61) cis-1,3-Dichloropropene	10.780	75	242280	42.57 ug/L		92
64) Toluene	10.975	91	727818	42.29 ug/L		99
65) 2-Nitropropane	11.170	41	383462	168.92 ug/L		99
66) 4-Methyl-2-pentanone	11.267	43	1441830	171.93 ug/L		99
67) trans-1,3-Dichloropropene	11.310	75	211479	40.45 ug/L	#	75
68) Tetrachloroethene	11.304	166	183069	42.14 ug/L		97
69) Ethyl methacrylate	11.401	69	275741	44.04 ug/L		89
70) 1,1,2-Trichloroethane	11.443	83	128472	44.97 ug/L		95
71) Dibromochloromethane	11.596	129	144814	39.10 ug/L		98
72) 1,3-Dichloropropane	11.656	76	275562	43.60 ug/L		94
73) 1,2-Dibromoethane	11.790	107	160507	42.42 ug/L		96
74) 3,3-dimethyl-1-butanol	11.869	57	3616133	1992.91 ug/L		98
75) 2-hexanone	11.900	43	1168681	157.31 ug/L		96
76) 1-Chlorohexane	12.113	91	242177	42.07 ug/L		88
77) Ethylbenzene	12.155	91	814885	40.59 ug/L		98
78) Chlorobenzene	12.161	112	454890	40.91 ug/L		97
79) 1,1,1,2-Tetrachloroethane	12.204	131	147400	37.95 ug/L		98
80) m,p-Xylene	12.259	91	1275170	82.95 ug/L		97
81) o-Xylene	12.575	91	619105	41.11 ug/L		99
82) Styrene	12.611	104	476288	39.52 ug/L		96
83) Bromoform	12.666	173	99856	36.83 ug/L		98
84) Isopropylbenzene	12.782	105	792992	42.48 ug/L		98
87) cis-1,4-Dichloro-2-butene	13.031	53	87151	35.99 ug/L		92
88) n-Propylbenzene	13.068	91	960328	39.89 ug/L		99
89) Bromobenzene	13.098	156	191372	41.52 ug/L	#	76
90) 1,1,2,2-Tetrachloroethane	13.123	83	252637	39.56 ug/L		99
91) 1,3,5-Trimethylbenzene	13.177	105	655052	39.36 ug/L		98
92) 2-Chlorotoluene	13.202	91	614419	38.82 ug/L		99
93) trans-1,4-Dichloro-2-B...	13.238	53	73557	31.84 ug/L	#	55
94) 1,2,3-Trichloropropane	13.232	110	86516	40.01 ug/L		93
95) Cyclohexanone	13.287	55	91173	145.30 ug/L		94
96) 4-Chlorotoluene	13.311	91	538383	38.41 ug/L		100
97) tert-Butylbenzene	13.415	91	362311	38.89 ug/L		96
98) 1,2,4-Trimethylbenzene	13.457	105	640763	39.07 ug/L		97
99) Pentachloroethane	13.463	167	110023	42.02 ug/L		96
100) sec-Butylbenzene	13.530	105	804215	39.70 ug/L		98
101) 4-Isopropyltoluene	13.609	119	667241	37.76 ug/L		99
102) 1,3-Dichlorobenzene	13.725	146	333905	38.17 ug/L		98
103) 1,2,3-Trimethylbenzene	13.761	105	639309	39.34 ug/L		97
104) 1,4-Dichlorobenzene	13.780	146	350296	37.99 ug/L		96
105) n-Butylbenzene	13.895	92	330382	35.83 ug/L		98
106) Benzyl Chloride	13.932	126	115817	38.40 ug/L		95
107) 1,2-Dichlorobenzene	14.072	146	327874	38.48 ug/L		97
108) 1,2-Dibromo-3-Chloropr...	14.601	75	63913	36.52 ug/L		92
109) Hexachlorobutadiene	15.008	225	66567	32.25 ug/L		93
110) 1,2,4-Trichlorobenzene	15.063	180	217463	38.65 ug/L		98
111) Naphthalene	15.306	128	938421	38.90 ug/L		99
112) 1,2,3-Trichlorobenzene	15.452	180	213445	38.44 ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:49:22 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

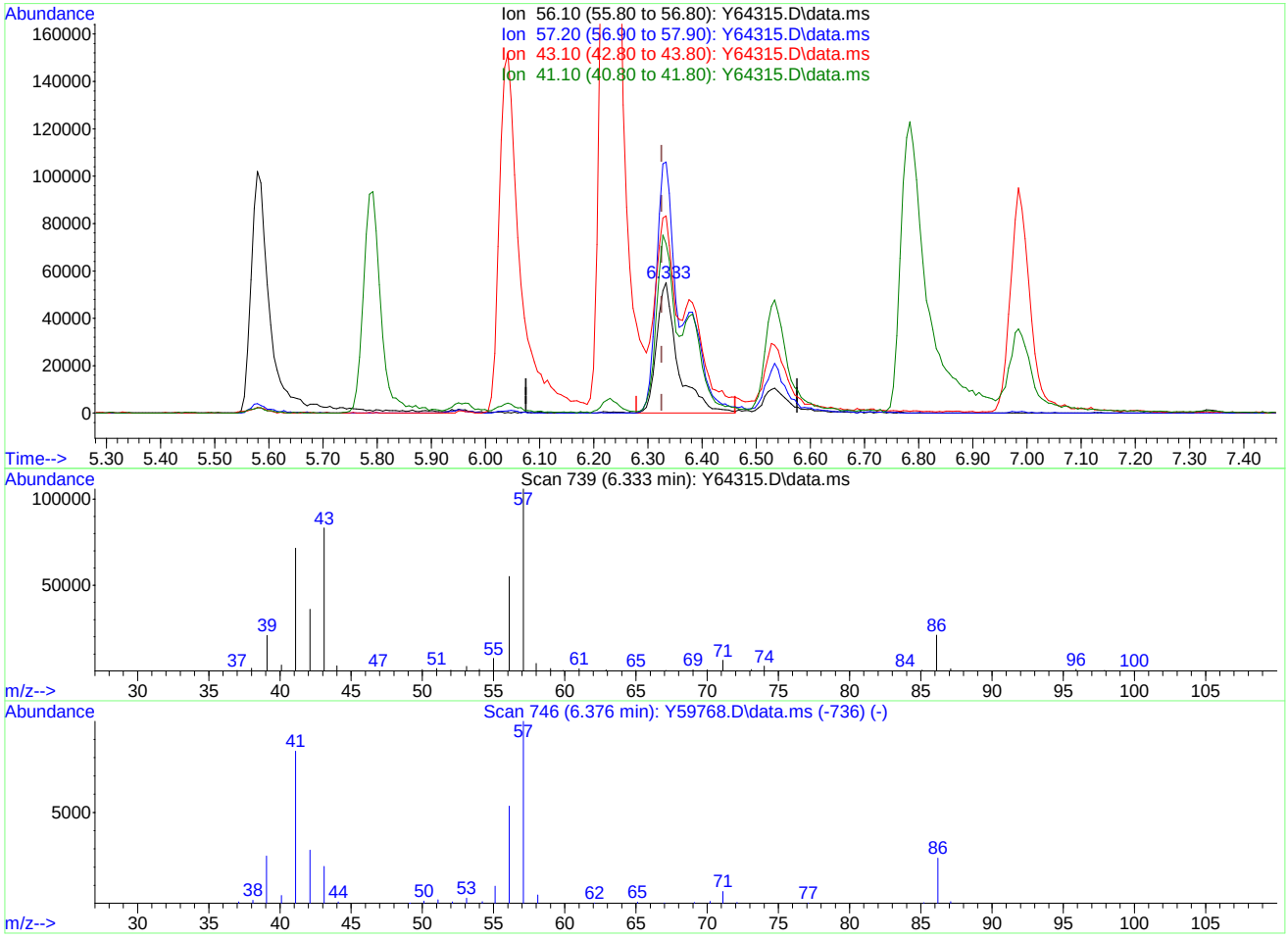
Sample Number: VY2666-ICC2666
Lab FileID: Y64315.D
Injection Time: 08/29/22 14:44
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:33:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64315.D\data.ms

(22) Hexane

6.333min (+0.008) 50.56ug/L

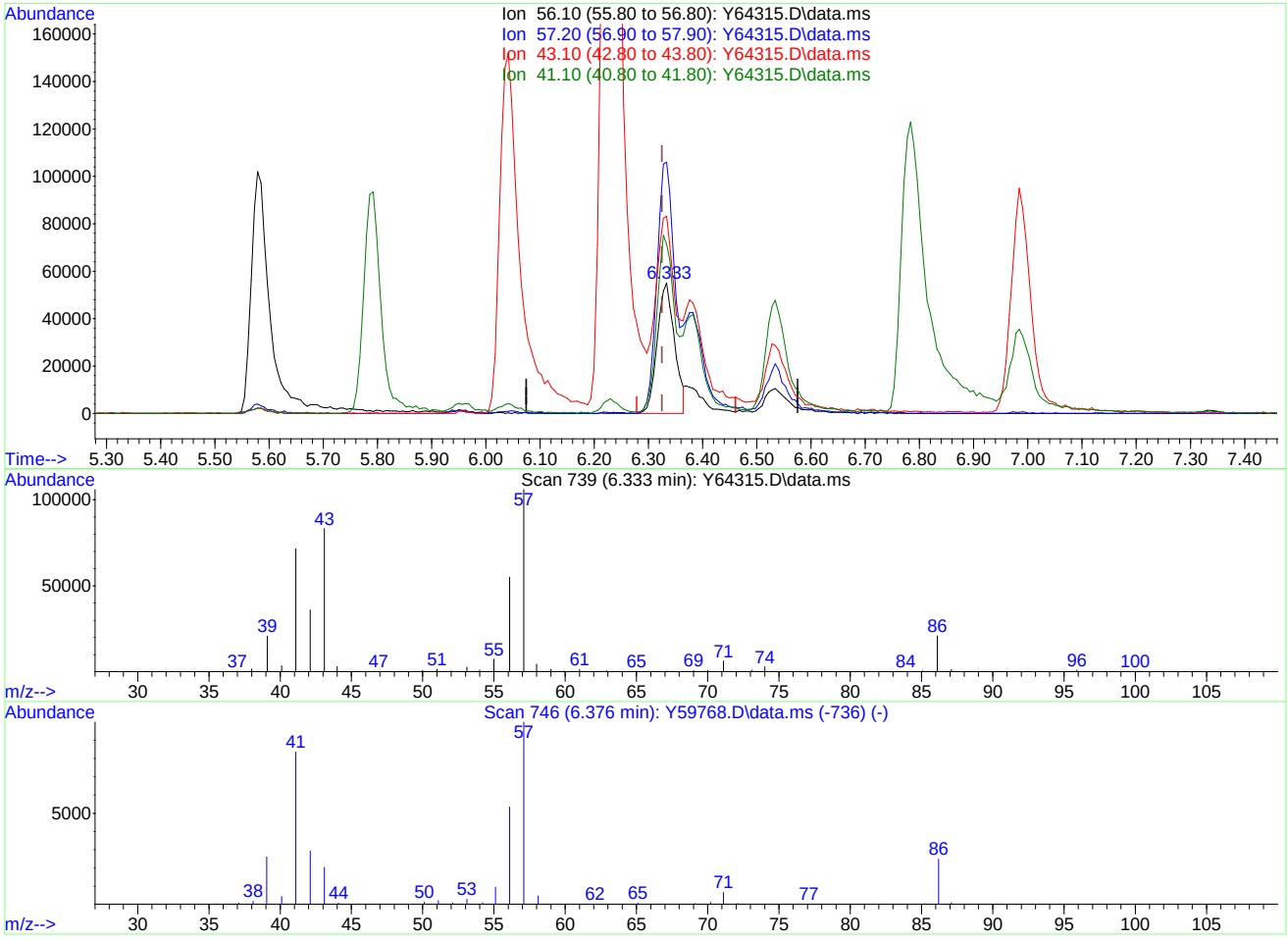
response 150108

Ion	Exp%	Act%
56.10	100	100
57.20	204.80	191.41
43.10	76.70	138.92#
41.10	144.30	128.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:33:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64315.D\data.ms

(22) Hexane

6.333min (+0.008) 40.70ug/L m

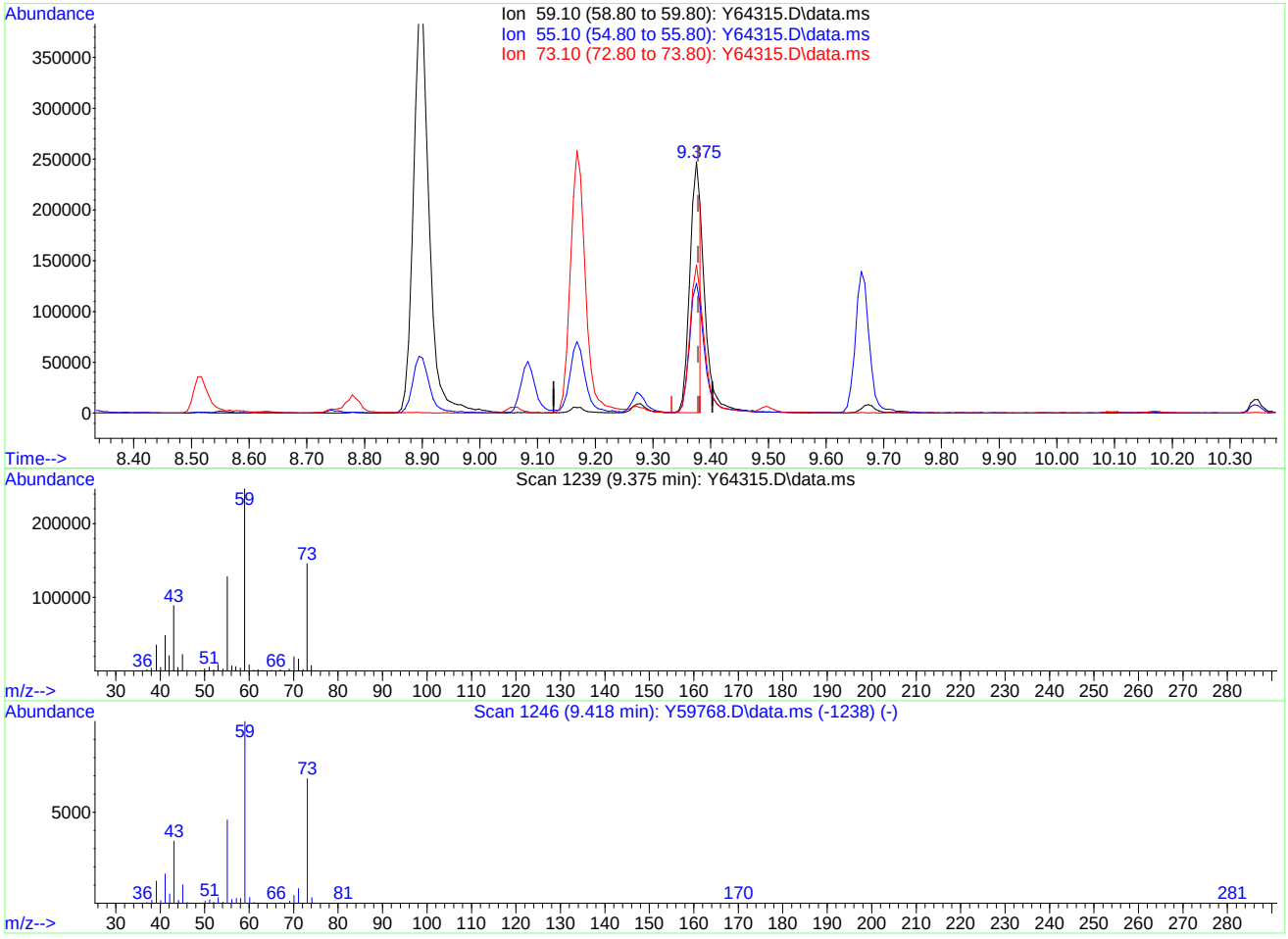
response 122650

Ion	Exp%	Act%
56.10	100	100
57.20	204.80	192.26
43.10	76.70	151.02#
41.10	144.30	129.65

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:33:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64315.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 282.27ug/L

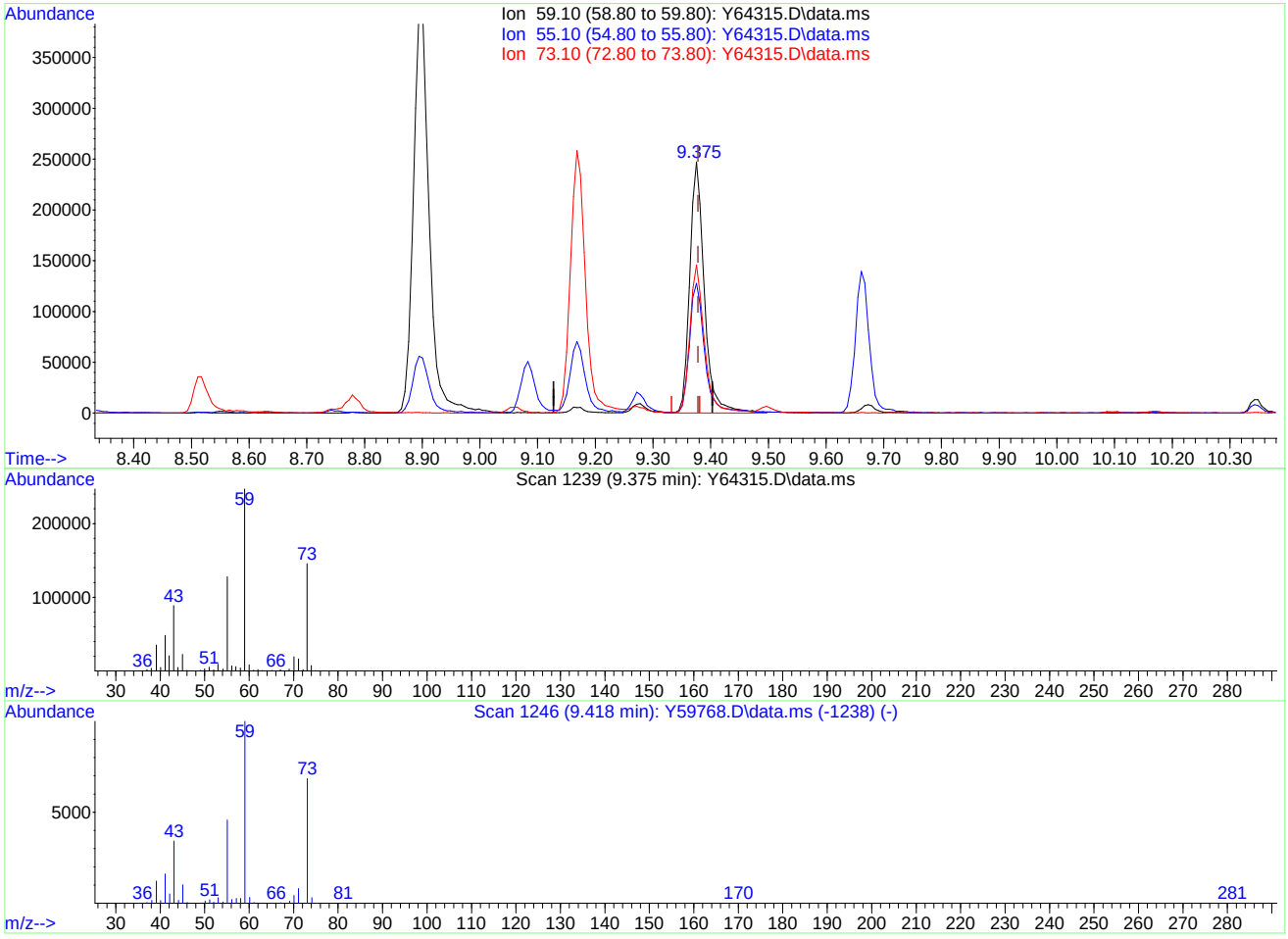
response 309773

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	51.44
73.10	53.50	58.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64315.D
Acq On : 29 Aug 2022 2:44 pm
Operator : joannel
Sample : ICC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 09:33:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



TIC: Y64315.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 381.16ug/L m

response 434506

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	51.69
73.10	53.50	58.97
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:50:12 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	797403	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	655739	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	357347	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	183087	50.80	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.60%			
49) 1,2-Dichloroethane-d4	9.211	65	214910	48.01	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.02%			
63) Toluene-d8	10.933	98	811558	48.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.46%			
86) 4-Bromofluorobenzene	13.007	174	276055	50.44	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	328553	91.94	ug/L	99
3) Acrolein	5.585	56	439661	344.75	ug/L	96
4) Chloromethane	3.176	50	337842	67.00	ug/L	98
5) 1,3-butadiene	3.335	39	320985	84.89	ug/L	99
6) Vinyl Chloride	3.310	62	392402	80.12	ug/L	96
7) Bromomethane	3.833	94	89151	82.31	ug/L	93
8) Chloroethane	4.028	64	135873	101.59	ug/L	97
9) Trichlorofluoromethane	4.235	101	499701	90.71	ug/L	98
10) Ethyl Ether	4.758	59	254716	74.94	ug/L	95
11) Ethanol	5.032	45	189559	1206.82	ug/L	97
12) 1,2-Dichlorotrifluoroe...	5.038	67	280101	82.67	ug/L	97
13) 1,1-Dichloroethene	5.044	61	394311	78.29	ug/L	96
14) Freon 113	5.105	101	279551	83.93	ug/L	95
15) Carbon Disulfide	5.093	76	767322	77.20	ug/L	97
16) Iodomethane	5.269	142	80980	49.68	ug/L	96
17) Allyl chloride	5.786	41	367949	66.29	ug/L	96
18) Methylene Chloride	5.957	49	428357	73.82	ug/L	93
19) Acetone	6.048	43	881528	327.87	ug/L	97
20) Methyl acetate	6.230	43	2003268	352.29	ug/L	99
21) trans-1,2-Dichloroethene	6.218	61	389549	73.87	ug/L	97
22) Hexane	6.328	56	222153	74.85	ug/L #	90
23) Methyl Tert Butyl Ether	6.382	73	873414	86.47	ug/L	96
24) Tert Butyl Alcohol	6.553	59	1094220	633.76	ug/L	96
25) Acetonitrile	6.790	41	801821	673.75	ug/L	97
26) Di-isopropyl ether	6.991	45	953829	75.53	ug/L	98
27) Chloroprene	7.173	53	73609	13.36	ug/L	97
28) 1,1-Dichloroethane	7.210	63	502987	76.32	ug/L	97
29) Acrylonitrile	7.301	53	1058730	366.88	ug/L	100
30) ETBE	7.581	59	948290	79.07	ug/L	96
31) Vinyl acetate	7.599	43	4129899	364.47	ug/L	100
32) cis-1,2-Dichloroethene	8.025	96	316255	79.10	ug/L	98
33) 2,2-Dichloropropane	8.165	77	426393	80.93	ug/L	97
34) Bromochloromethane	8.293	128	140803	79.18	ug/L	91
35) Cyclohexane	8.293	56	561833	75.09	ug/L	97
36) Chloroform	8.378	83	504141	85.57	ug/L	95
37) Ethyl acetate	8.512	43	2984822	391.89	ug/L	99
38) Tetrahydrofuran	8.585	42	217610	68.78	ug/L	94
40) Carbon Tetrachloride	8.554	117	346735	77.56	ug/L	95
41) 1,1,1-Trichloroethane	8.633	97	438287	82.12	ug/L	95
42) 2-Butanone	8.743	43	1565707	358.90	ug/L	98
43) 1,1-Dichloropropene	8.779	75	409338	79.74	ug/L	94
44) tert-Butyl formate	8.901	59	1375651	428.41	ug/L	96
45) Propionitrile	9.083	54	1012881	718.31	ug/L	99
46) Methacrylonitrile	9.108	41	3384282	740.28	ug/L	99
47) Benzene	9.059	78	1288627	82.35	ug/L	97
48) TAME	9.169	73	899140	82.44	ug/L	90
50) Isobutyl Alcohol	9.278	42	621514	1296.73	ug/L	99
51) 1,2-Dichloroethane	9.278	62	403401	77.30	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:50:12 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

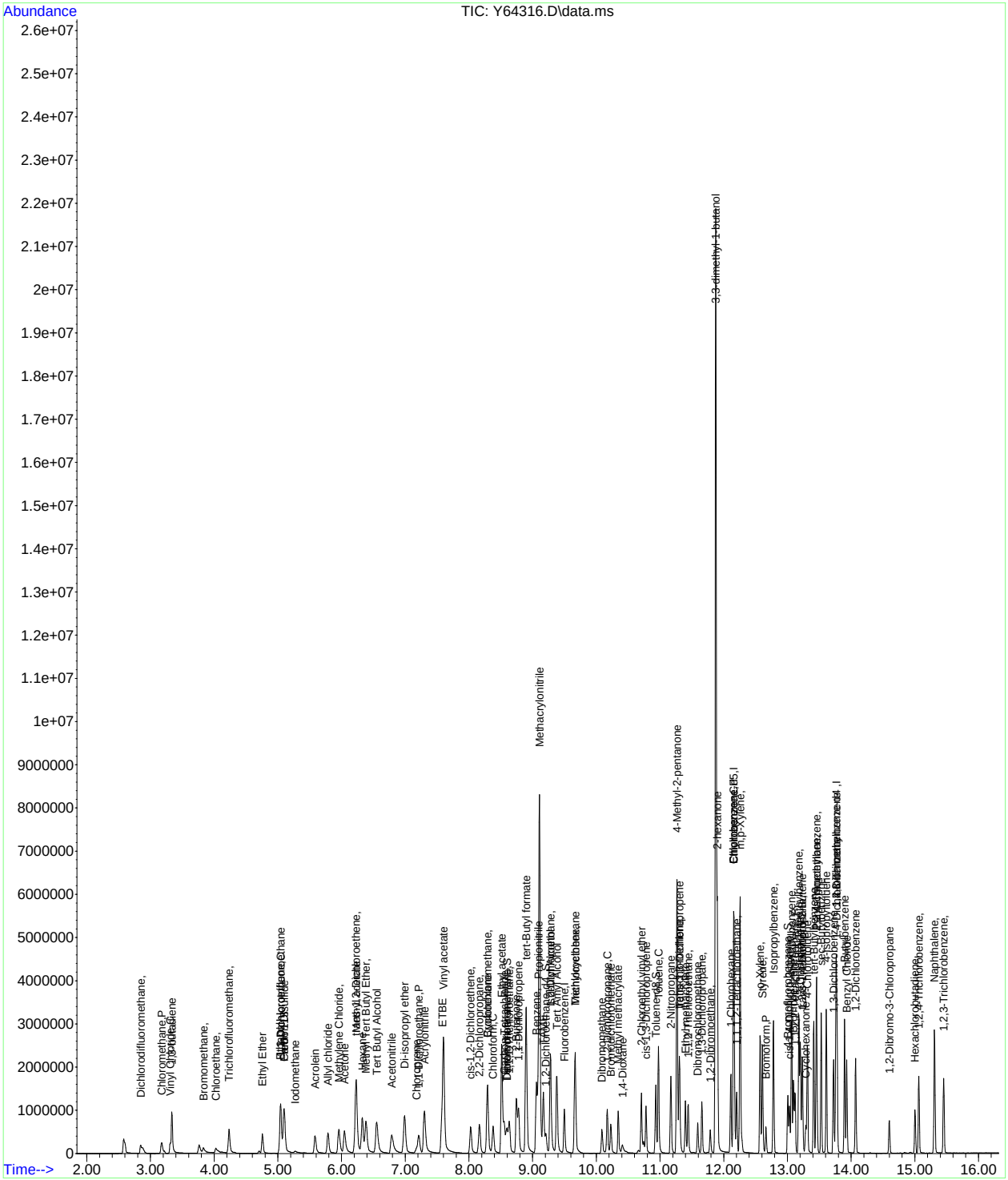
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Tert Amyl Alcohol	9.375	59	964761m	722.18 ug/L		
53) Trichloroethene	9.674	95	314201	81.83 ug/L		97
54) Methylcyclohexane	9.661	83	569850	80.64 ug/L		94
55) Dibromomethane	10.087	93	174441	77.07 ug/L		94
56) 1,2-Dichloropropane	10.172	63	307348	74.09 ug/L		95
57) Bromodichloromethane	10.227	83	348426	76.56 ug/L		98
58) Methyl methacrylate	10.343	41	392325	69.18 ug/L		96
59) 1,4-Dioxane	10.410	88	158842	1296.32 ug/L		94
60) 2-Chloroethyl vinyl ether	10.708	63	461394	535.51 ug/L		94
61) cis-1,3-Dichloropropene	10.781	75	470633	77.24 ug/L		92
64) Toluene	10.975	91	1387556	75.87 ug/L		100
65) 2-Nitropropane	11.170	41	785608	310.64 ug/L		99
66) 4-Methyl-2-pentanone	11.267	43	3179222	356.75 ug/L		99
67) trans-1,3-Dichloropropene	11.310	75	403568	70.82 ug/L	#	61
68) Tetrachloroethene	11.304	166	338903	73.42 ug/L		99
69) Ethyl methacrylate	11.401	69	502149	72.21 ug/L		89
70) 1,1,2-Trichloroethane	11.444	83	235304	77.51 ug/L		95
71) Dibromochloromethane	11.590	129	282155	70.85 ug/L		98
72) 1,3-Dichloropropane	11.657	76	515042	76.68 ug/L		96
73) 1,2-Dibromoethane	11.791	107	299166	73.88 ug/L		96
74) 3,3-dimethyl-1-butanol	11.876	57	7673262	3806.33 ug/L		97
75) 2-hexanone	11.900	43	3873240	390.00 ug/L		97
76) 1-Chlorohexane	12.113	91	461602	74.26 ug/L		88
77) Ethylbenzene	12.156	91	1595304	74.77 ug/L		97
78) Chlorobenzene	12.162	112	857844	72.61 ug/L		94
79) 1,1,1,2-Tetrachloroethane	12.204	131	284750	68.30 ug/L		99
80) m,p-Xylene	12.259	91	2529257	154.84 ug/L		99
81) o-Xylene	12.569	91	1209130	75.55 ug/L		99
82) Styrene	12.606	104	930827	70.00 ug/L		98
83) Bromoform	12.667	173	208024	68.85 ug/L		99
84) Isopropylbenzene	12.782	105	1535143	77.39 ug/L		97
87) cis-1,4-Dichloro-2-butene	13.032	53	168404	65.45 ug/L		91
88) n-Propylbenzene	13.068	91	1894656	74.07 ug/L		99
89) Bromobenzene	13.099	156	354753	72.43 ug/L		81
90) 1,1,2,2-Tetrachloroethane	13.123	83	499327	73.58 ug/L		97
91) 1,3,5-Trimethylbenzene	13.178	105	1308022	73.96 ug/L		97
92) 2-Chlorotoluene	13.202	91	1197583	71.21 ug/L		98
93) trans-1,4-Dichloro-2-B...	13.238	53	148067	57.64 ug/L	#	59
94) 1,2,3-Trichloropropane	13.232	110	168633	73.39 ug/L		97
95) Cyclohexanone	13.287	55	191055	286.54 ug/L		96
96) 4-Chlorotoluene	13.311	91	1072747	72.03 ug/L		99
97) tert-Butylbenzene	13.415	91	707383	71.45 ug/L		97
98) 1,2,4-Trimethylbenzene	13.457	105	1264207	72.54 ug/L		98
99) Pentachloroethane	13.464	167	198303	71.28 ug/L		98
100) sec-Butylbenzene	13.530	105	1581133	73.45 ug/L		98
101) 4-Isopropyltoluene	13.610	119	1360674	72.46 ug/L		98
102) 1,3-Dichlorobenzene	13.725	146	654488	70.40 ug/L		98
103) 1,2,3-Trimethylbenzene	13.762	105	1266212	73.33 ug/L		97
104) 1,4-Dichlorobenzene	13.780	146	677935	69.19 ug/L		99
105) n-Butylbenzene	13.895	92	679852	66.03 ug/L		98
106) Benzyl Chloride	13.932	126	235856	69.12 ug/L	#	89
107) 1,2-Dichlorobenzene	14.072	146	643611	71.09 ug/L		98
108) 1,2-Dibromo-3-Chloropr...	14.601	75	130152	70.00 ug/L		82
109) Hexachlorobutadiene	15.003	225	142552	63.20 ug/L		96
110) 1,2,4-Trichlorobenzene	15.064	180	436867	73.06 ug/L		99
111) Naphthalene	15.307	128	1855329	72.38 ug/L		99
112) 1,2,3-Trichlorobenzene	15.453	180	432170	73.24 ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
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Operator : joannel
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Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:50:12 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



APPIX_08-29-2022_Y.M Tue Aug 30 15:12:52 2022 Page: 3

Manual Integration Approval Summary

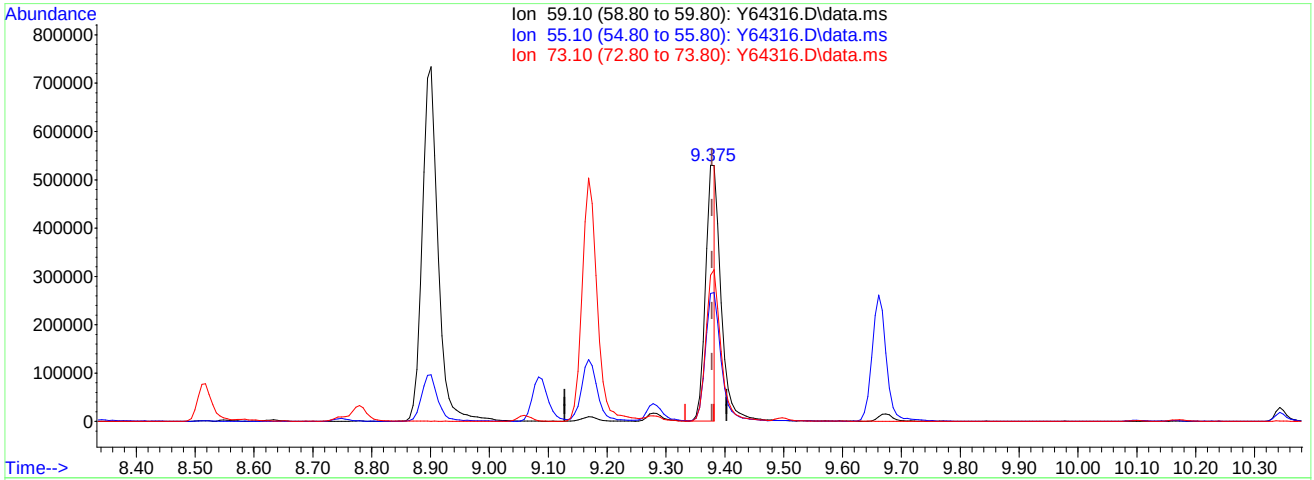
Sample Number: VY2666-IC2666
Lab FileID: Y64316.D
Injection Time: 08/29/22 15:09
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

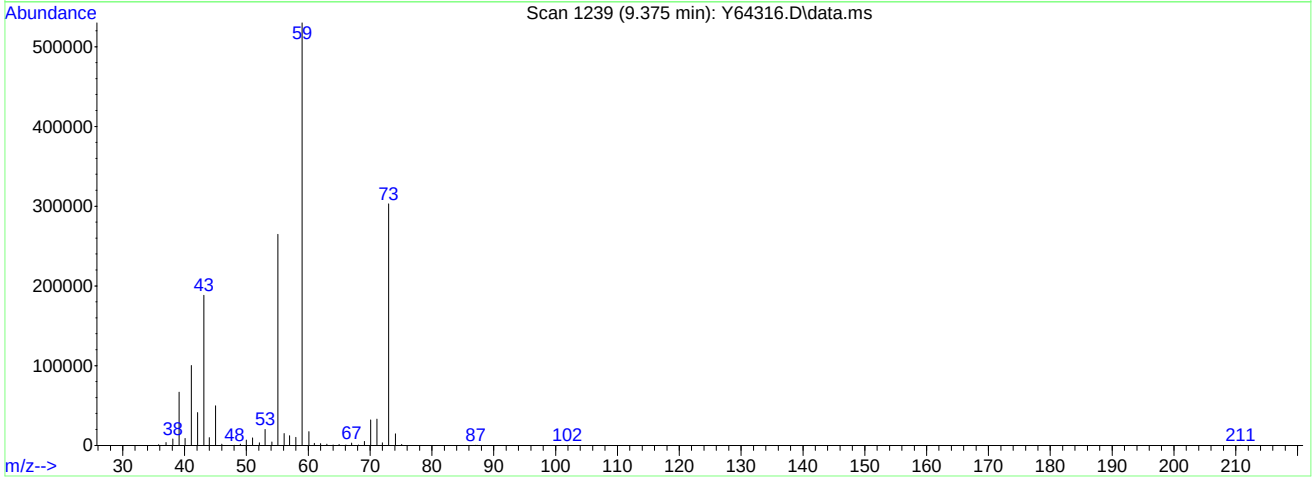
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert-Amyl Alcohol	75-85-4		9.38	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:33:52 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64316.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 486.95ug/L

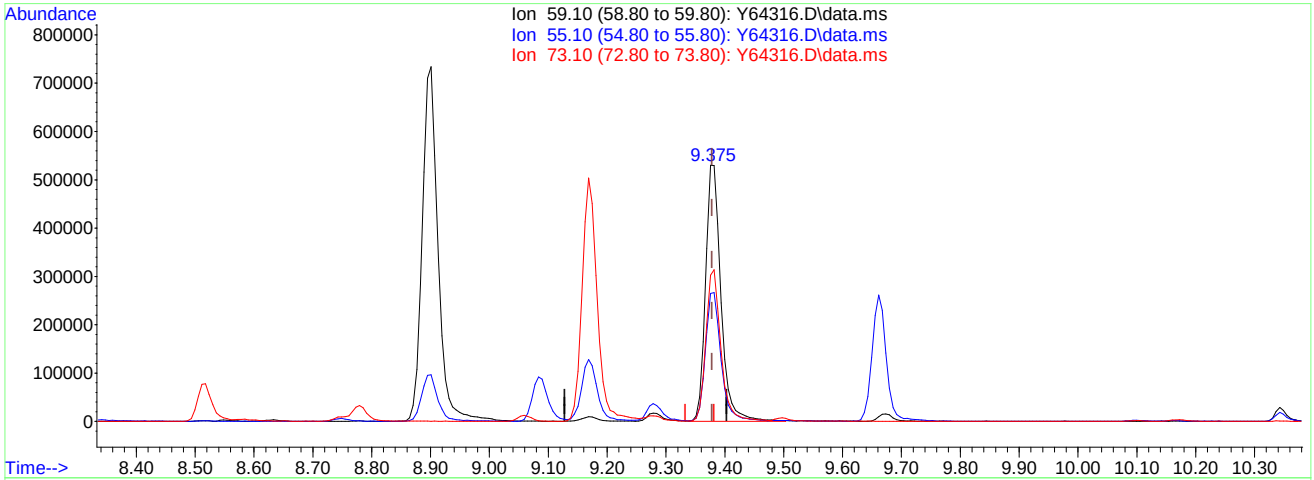
response 599379

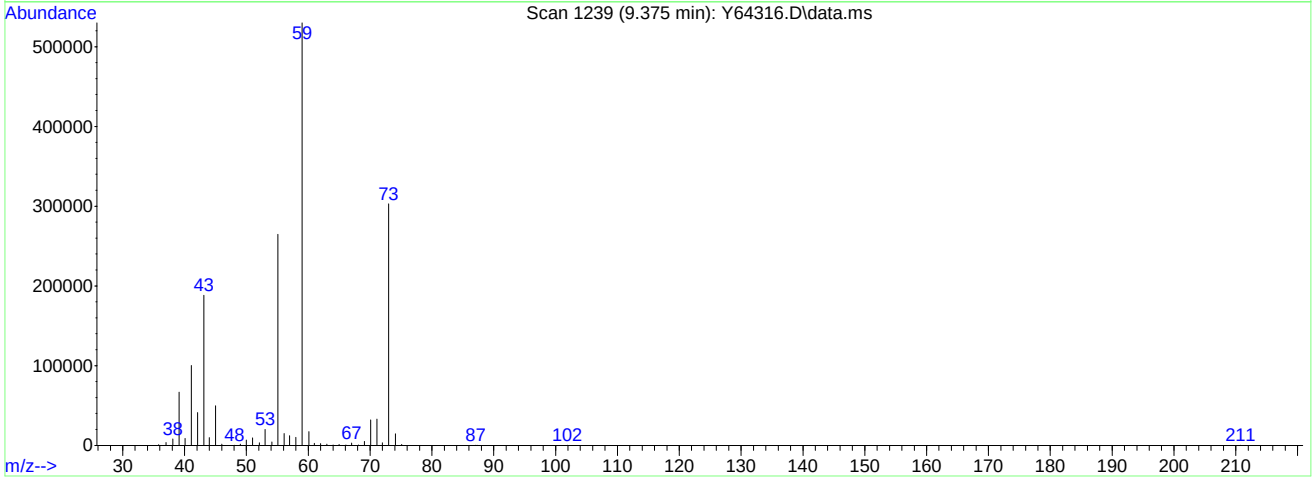
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	49.66
73.10	53.50	57.09
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64316.D
Acq On : 29 Aug 2022 3:09 pm
Operator : joannel
Sample : IC2666-6 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 09:33:52 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
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TIC: Y64316.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.003) 722.18ug/L m

response 964761

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	49.94
73.10	53.50	57.15
0.00	0.00	0.00

Y64317.D

Manual Integrations APPROVED (compounds with "m" flag)

Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:51:19 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	853192	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	714534	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	397319	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	192740	49.98	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.96%			
49) 1,2-Dichloroethane-d4	9.212	65	233054	48.66	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.32%			
63) Toluene-d8	10.933	98	864617	47.65	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.30%			
86) 4-Bromofluorobenzene	13.008	174	298226	49.01	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.842	85	515920m	131.12	ug/L	
3) Acrolein	5.586	56	695552	509.74	ug/L	98
4) Chloromethane	3.177	50	512185	94.94	ug/L	99
5) 1,3-butadiene	3.335	39	493252	135.44	ug/L	100
6) Vinyl Chloride	3.311	62	603582	115.18	ug/L	100
7) Bromomethane	3.834	94	156527	125.52	ug/L	98
8) Chloroethane	4.028	64	194959	136.23	ug/L	98
9) Trichlorofluoromethane	4.241	101	501285	85.05	ug/L	100
10) Ethyl Ether	4.765	59	397290	109.25	ug/L	95
11) Ethanol	5.057	45	308795	1767.53	ug/L	96
12) 1,2-Dichlorotrifluoroe...	5.044	67	439352	121.19	ug/L	98
13) 1,1-Dichloroethene	5.044	61	615022	114.13	ug/L	94
14) Freon 113	5.099	101	412361	115.57	ug/L	95
15) Carbon Disulfide	5.087	76	1198794	112.73	ug/L	98
16) Iodomethane	5.276	142	120351	69.01	ug/L	99
17) Allyl chloride	5.787	41	585276	98.55	ug/L	93
18) Methylene Chloride	5.957	49	637104	102.61	ug/L	91
19) Acetone	6.054	43	1342489	466.67	ug/L	94
20) Methyl acetate	6.237	43	3086586	490.16	ug/L	98
21) trans-1,2-Dichloroethene	6.212	61	590759	103.72	ug/L	97
22) Hexane	6.322	56	341341	114.80	ug/L #	87
23) Methyl Tert Butyl Ether	6.389	73	1328596	122.93	ug/L	77
24) Tert Butyl Alcohol	6.565	59	1726673	934.68	ug/L	96
25) Acetonitrile	6.790	41	1243131	938.40	ug/L	99
26) Di-isopropyl ether	6.991	45	1460216	108.06	ug/L	98
27) Chloroprene	7.174	53	120429	20.43	ug/L	93
28) 1,1-Dichloroethane	7.216	63	767646	108.86	ug/L	97
29) Acrylonitrile	7.301	53	1620746	500.87	ug/L	100
30) ETBE	7.581	59	1466677	114.30	ug/L	98
31) Vinyl acetate	7.606	43	6478653	511.41	ug/L	99
32) cis-1,2-Dichloroethene	8.025	96	480229	113.05	ug/L	98
33) 2,2-Dichloropropane	8.165	77	646123	114.62	ug/L	98
34) Bromochloromethane	8.293	128	212929	114.01	ug/L	94
35) Cyclohexane	8.293	56	877006	109.70	ug/L	95
36) Chloroform	8.378	83	734033	116.45	ug/L	97
37) Ethyl acetate	8.518	43	4363616	535.46	ug/L	99
38) Tetrahydrofuran	8.585	42	332369	98.19	ug/L	96
40) Carbon Tetrachloride	8.555	117	531855	111.18	ug/L	97
41) 1,1,1-Trichloroethane	8.634	97	664157	116.30	ug/L	99
42) 2-Butanone	8.749	43	2420969	518.66	ug/L	99
43) 1,1-Dichloropropene	8.780	75	614275	110.49	ug/L	95
44) tert-Butyl formate	8.901	59	2243981	653.14	ug/L	94
45) Propionitrile	9.090	54	1650638	1094.04	ug/L	90
46) Methacrylonitrile	9.108	41	5696706	1164.62	ug/L	99
47) Benzene	9.059	78	1952351	116.60	ug/L	96
48) TAME	9.169	73	1377145	114.58	ug/L	92
50) Isobutyl Alcohol	9.285	42	1029183	1843.56	ug/L	99
51) 1,2-Dichloroethane	9.285	62	627593	112.40	ug/L	100

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Data Path : C:\msdchem\1\DATA\2022-08-29\
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Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:51:19 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration

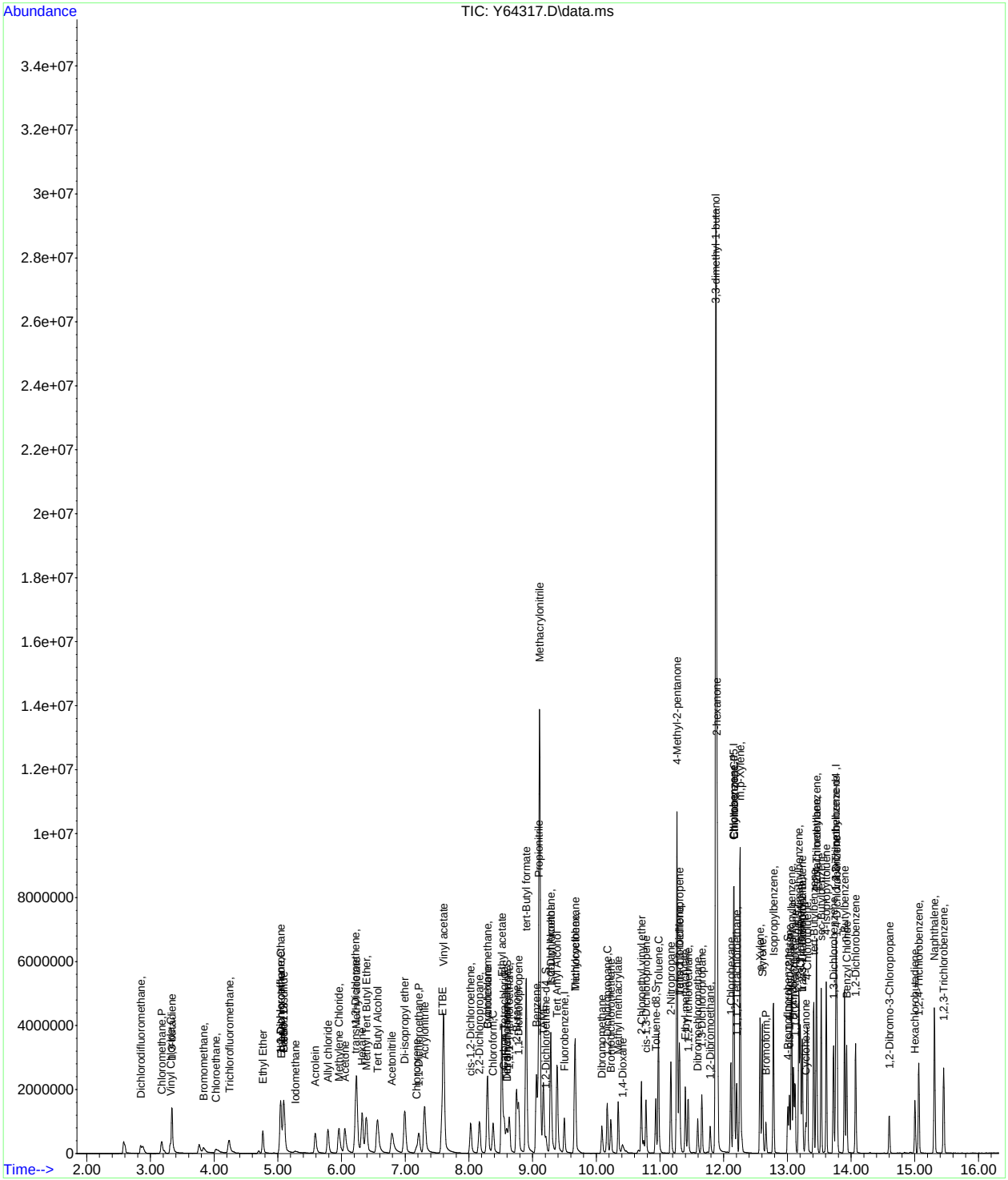
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Tert Amyl Alcohol	9.382	59	1544317m	991.27 ug/L		
53) Trichloroethene	9.674	95	475979	115.86 ug/L		98
54) Methylcyclohexane	9.662	83	889672	116.84 ug/L		95
55) Dibromomethane	10.088	93	268731	110.32 ug/L		95
56) 1,2-Dichloropropane	10.173	63	468344	105.03 ug/L		97
57) Bromodichloromethane	10.227	83	539243	107.96 ug/L		98
58) Methyl methacrylate	10.343	41	618601	97.16 ug/L		96
59) 1,4-Dioxane	10.410	88	243797	1861.39 ug/L		91
60) 2-Chloroethyl vinyl ether	10.708	63	717432	716.52 ug/L		95
61) cis-1,3-Dichloropropene	10.781	75	721957	107.88 ug/L		92
64) Toluene	10.976	91	2127221	106.74 ug/L		98
65) 2-Nitropropane	11.170	41	1258115	438.32 ug/L		98
66) 4-Methyl-2-pentanone	11.268	43	5193906	534.87 ug/L		98
67) trans-1,3-Dichloropropene	11.310	75	634386	99.77 ug/L	#	61
68) Tetrachloroethene	11.304	166	528254	105.02 ug/L		95
69) Ethyl methacrylate	11.396	69	810083	102.21 ug/L		92
70) 1,1,2-Trichloroethane	11.444	83	360198	108.88 ug/L		97
71) Dibromochloromethane	11.590	129	435129	99.23 ug/L		99
72) 1,3-Dichloropropane	11.657	76	790194	107.97 ug/L		94
73) 1,2-Dibromoethane	11.785	107	456896	102.87 ug/L		98
74) 3,3-dimethyl-1-butanol	11.876	57	11649896	5139.07 ug/L		93
75) 2-hexanone	11.900	43	6235648	517.86 ug/L		98
76) 1-Chlorohexane	12.113	91	708349	103.10 ug/L		89
77) Ethylbenzene	12.156	91	2523853	108.56 ug/L		96
78) Chlorobenzene	12.162	112	1339419	104.04 ug/L		95
79) 1,1,1,2-Tetrachloroethane	12.205	131	444535	96.95 ug/L		99
80) m,p-Xylene	12.259	91	4093944	230.00 ug/L		99
81) o-Xylene	12.570	91	1872224	107.36 ug/L		98
82) Styrene	12.606	104	1493815	99.54 ug/L		98
83) Bromoform	12.661	173	332822	97.10 ug/L		98
84) Isopropylbenzene	12.783	105	2384853	110.33 ug/L		97
87) cis-1,4-Dichloro-2-butene	13.032	53	260127	90.92 ug/L		92
88) n-Propylbenzene	13.062	91	2949571	103.70 ug/L		95
89) Bromobenzene	13.099	156	546818	100.41 ug/L		89
90) 1,1,2,2-Tetrachloroethane	13.117	83	784274	103.94 ug/L		98
91) 1,3,5-Trimethylbenzene	13.178	105	2045328	104.02 ug/L		97
92) 2-Chlorotoluene	13.202	91	1826486	97.68 ug/L		96
93) trans-1,4-Dichloro-2-B...	13.239	53	239652	80.69 ug/L	#	70
94) 1,2,3-Trichloropropane	13.233	110	260405	101.93 ug/L		96
95) Cyclohexanone	13.287	55	282071	380.48 ug/L		97
96) 4-Chlorotoluene	13.312	91	1674820	101.14 ug/L		98
97) tert-Butylbenzene	13.415	91	1107516	100.61 ug/L		96
98) 1,2,4-Trimethylbenzene	13.452	105	2040856	105.32 ug/L		95
99) Pentachloroethane	13.464	167	316869	102.44 ug/L		94
100) sec-Butylbenzene	13.531	105	2508321	104.80 ug/L		97
101) 4-Isopropyltoluene	13.610	119	2143977	102.69 ug/L		97
102) 1,3-Dichlorobenzene	13.725	146	1021522	98.83 ug/L		98
103) 1,2,3-Trimethylbenzene	13.762	105	2014191	104.91 ug/L		95
104) 1,4-Dichlorobenzene	13.780	146	1053648	96.72 ug/L		98
105) n-Butylbenzene	13.896	92	1092879	91.71 ug/L		96
106) Benzyl Chloride	13.932	126	373353	93.81 ug/L	#	93
107) 1,2-Dichlorobenzene	14.072	146	1014893	100.82 ug/L		97
108) 1,2-Dibromo-3-Chloropr...	14.595	75	211196	102.16 ug/L		97
109) Hexachlorobutadiene	15.003	225	231901	90.29 ug/L		98
110) 1,2,4-Trichlorobenzene	15.064	180	703583	105.83 ug/L		98
111) Naphthalene	15.307	128	2890912	101.44 ug/L		98
112) 1,2,3-Trichlorobenzene	15.453	180	680237	103.68 ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:51:19 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration



Manual Integration Approval Summary

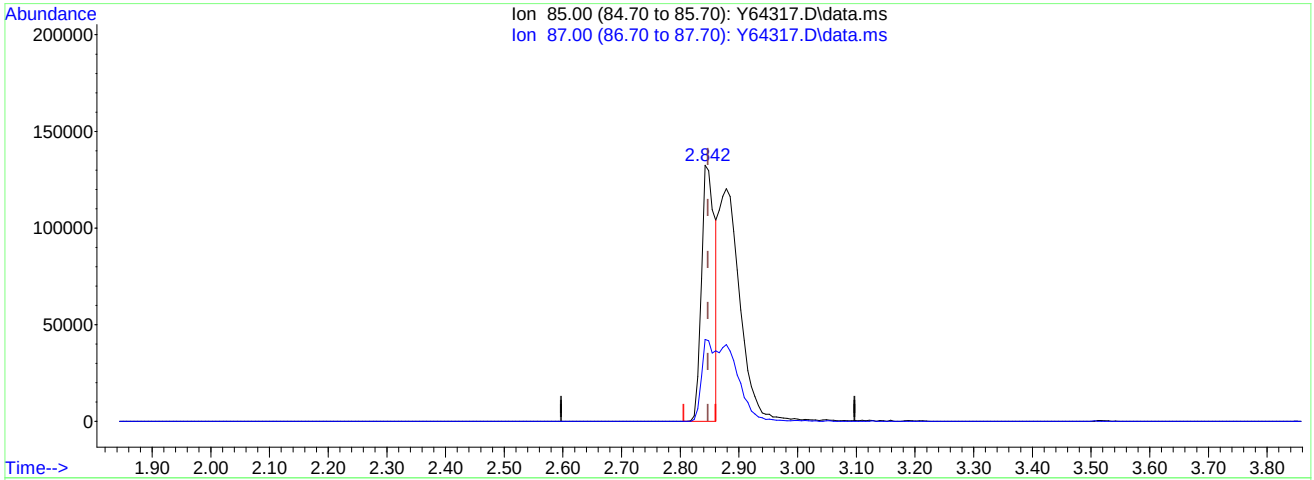
Sample Number: VY2666-IC2666
Lab FileID: Y64317.D
Injection Time: 08/29/22 15:33
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

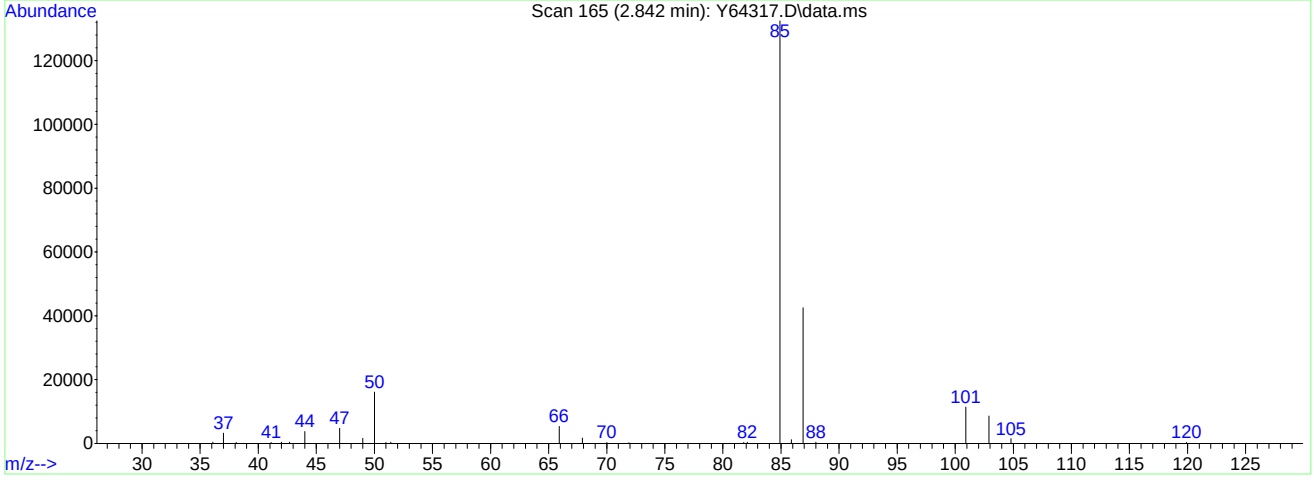
Parameter	CAS	Sig#	R.T. (min.)	Reason
Dichlorodifluoromethane	75-71-8		2.84	Split peak
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:33:53 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64317.D\data.ms

(2) Dichlorodifluoromethane ( )

2.842min (-0.005) 56.49ug/L

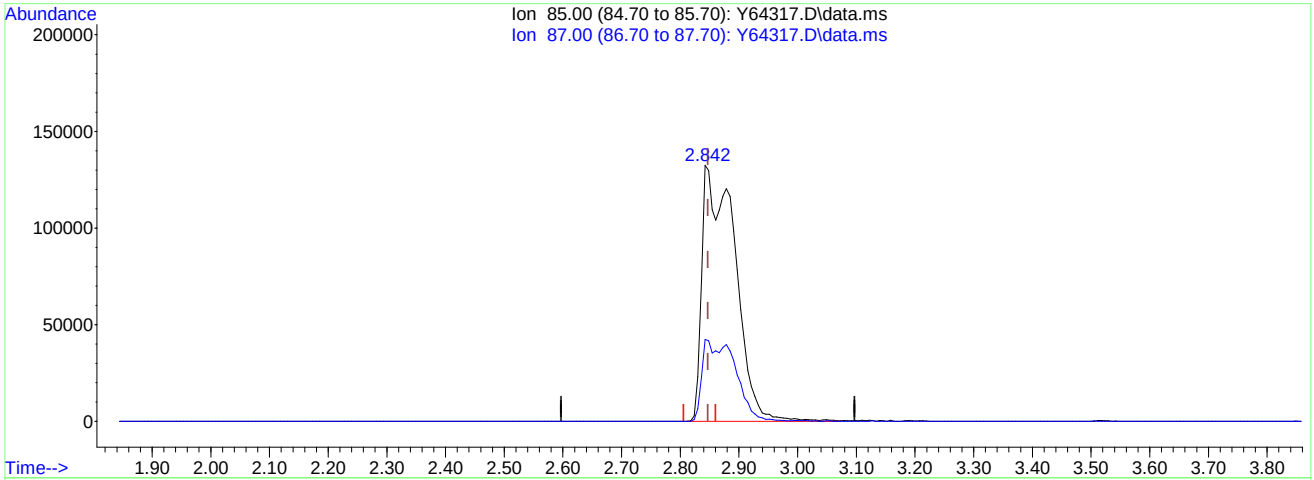
response 210284

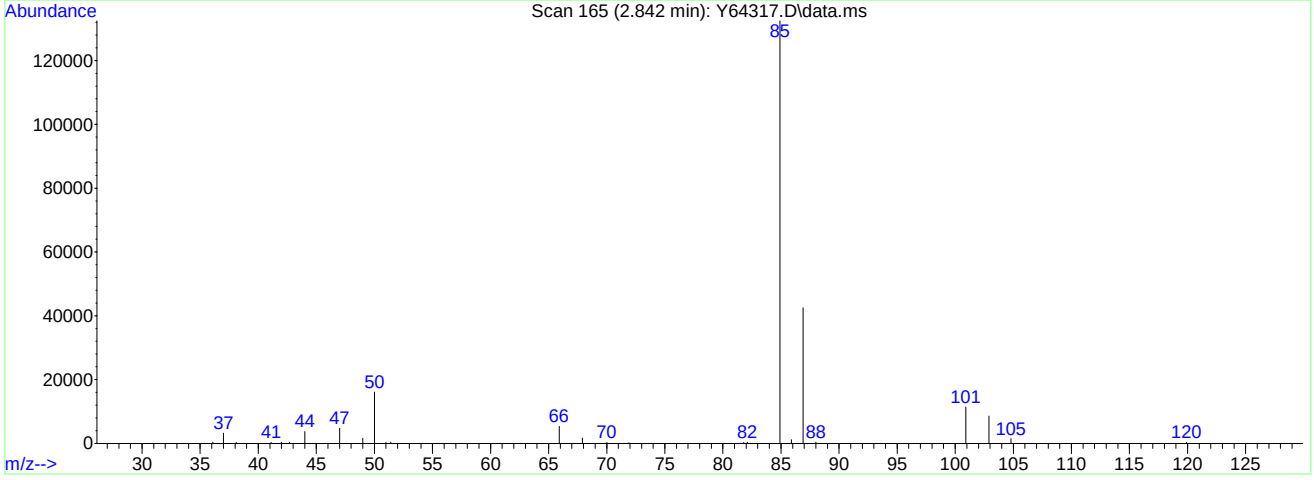
Ion	Exp%	Act%
85.00	100	100
87.00	34.10	32.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:33:53 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64317.D\data.ms

(2) Dichlorodifluoromethane ( )

2.842min (-0.005) 131.12ug/L m

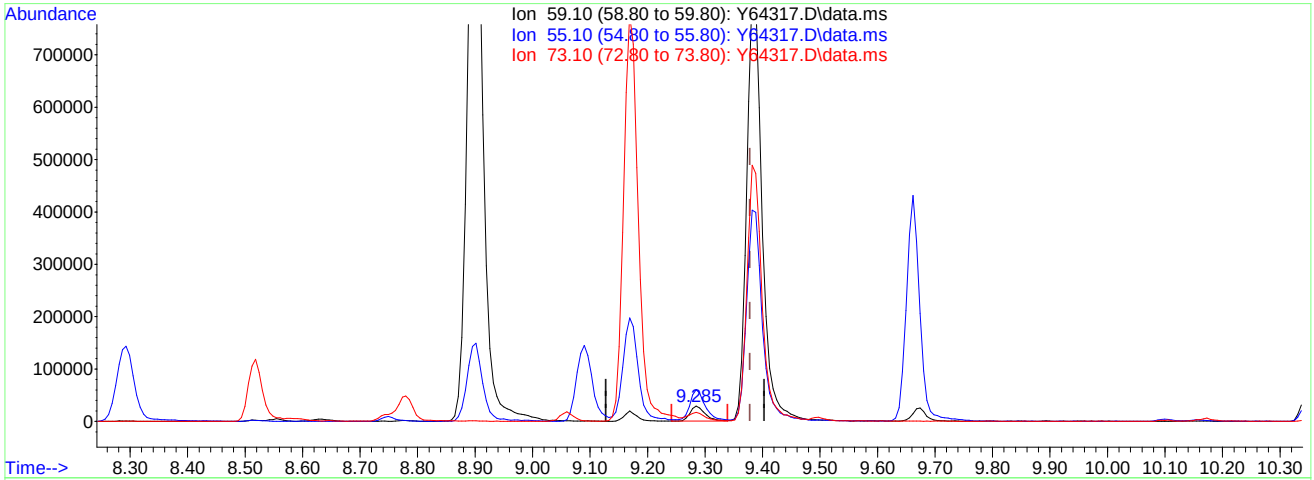
response 515920

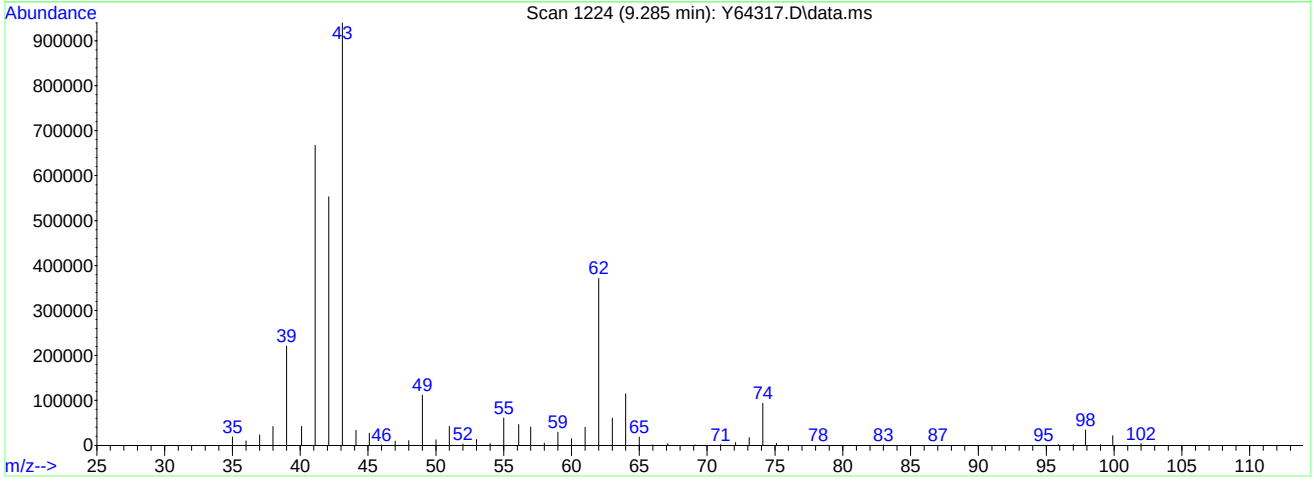
Ion	Exp%	Act%
85.00	100	100
87.00	34.10	32.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:33:53 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64317.D\data.ms

(52) Tert Amyl Alcohol

9.285min (-0.093) 47.90ug/L

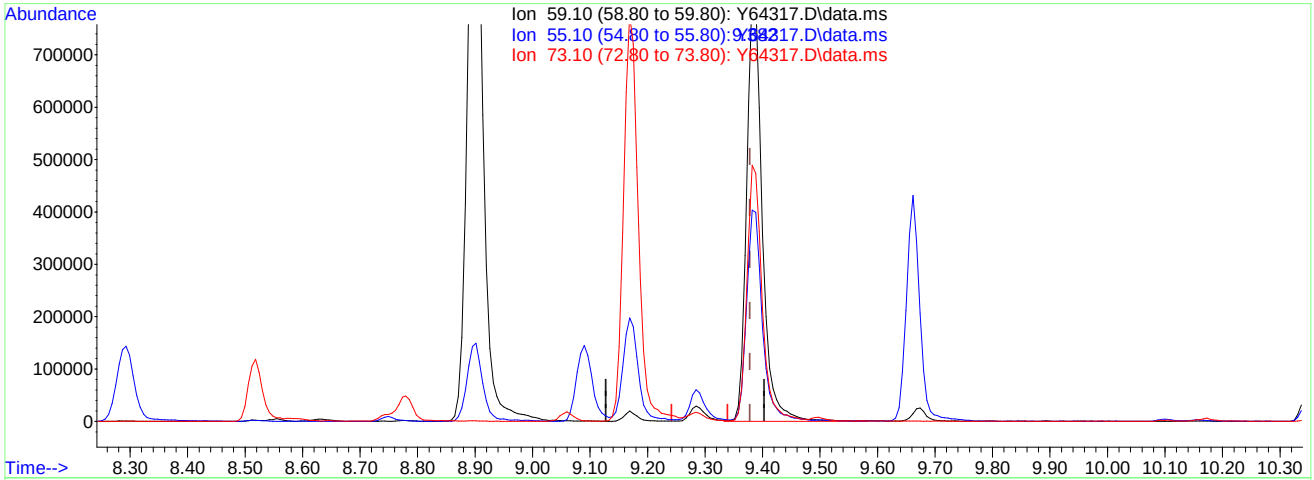
response 53043

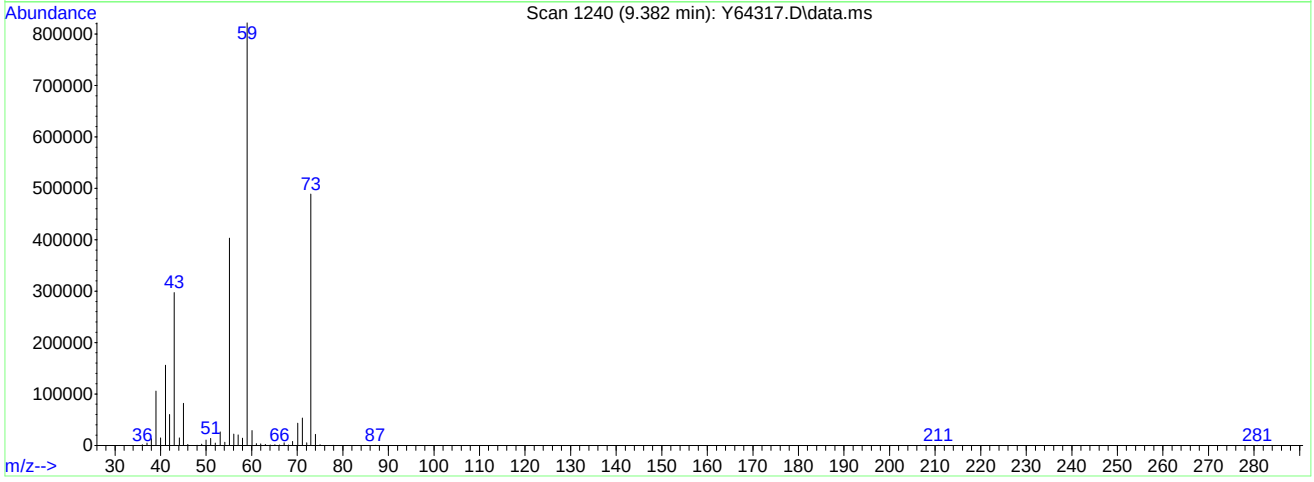
Ion	Exp%	Act%
59.10	100	100
55.10	52.60	199.30#
73.10	53.50	54.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-29\
Data File : Y64317.D
Acq On : 29 Aug 2022 3:33 pm
Operator : joannel
Sample : IC2666-7 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 09:33:53 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 16 14:39:36 2022
Response via : Initial Calibration





TIC: Y64317.D\data.ms

(52) Tert Amyl Alcohol

9.382min (+0.004) 991.27ug/L m

response 1544317

Ion	Exp%	Act%
59.10	100	100
55.10	52.60	49.06
73.10	53.50	59.49
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:16:01 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.497	96	836695	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	687461	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	368912	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	193127	51.52	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.04%			
49) 1,2-Dichloroethane-d4	9.211	65	226133	49.39	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.78%			
63) Toluene-d8	10.933	98	850508	50.02	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.04%			
86) 4-Bromofluorobenzene	13.007	174	286479	51.15	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.848	85	162170	33.93	ug/L	98
3) Acrolein	5.585	56	233370	195.12	ug/L	100
4) Chloromethane	3.176	50	200522	38.48	ug/L	95
5) 1,3-butadiene	3.340	39	163547	34.42	ug/L	96
6) Vinyl Chloride	3.310	62	217645	37.36	ug/L	92
7) Bromomethane	3.833	94	57150	46.77	ug/L	97
8) Chloroethane	4.028	64	74597	37.44	ug/L	100
9) Trichlorofluoromethane	4.235	101	285914	46.54	ug/L	100
10) Ethyl Ether	4.758	59	150805	39.59	ug/L	97
11) Ethanol	5.038	45	102745	893.73	ug/L	100
12) 1,2-Dichlorotrifluoroe...	5.044	67	178187	42.30	ug/L	98
13) 1,1-Dichloroethene	5.044	61	232678	40.79	ug/L	98
14) Freon 113	5.105	101	142757	36.00	ug/L	97
15) Carbon Disulfide	5.093	76	373679	34.45	ug/L	98
16) Iodomethane	5.275	142	36008	36.26	ug/L	91
17) Allyl chloride	5.786	41	229974	42.32	ug/L	98
18) Methylene Chloride	5.956	49	232089	34.17	ug/L	99
19) Acetone	6.048	43	551995	224.35	ug/L	98
20) Methyl acetate	6.230	43	1247797	229.25	ug/L	99
21) trans-1,2-Dichloroethene	6.218	61	224575	39.48	ug/L	98
22) Hexane	6.327	56	126248	41.17	ug/L #	82
23) Methyl Tert Butyl Ether	6.382	73	624474	47.67	ug/L	93
24) Tert Butyl Alcohol	6.546	59	648196	447.49	ug/L	99
25) Acetonitrile	6.790	41	423588	386.61	ug/L	99
26) Di-isopropyl ether	6.984	45	553138	39.75	ug/L	96
27) Chloroprene	7.173	53	205366	159.04	ug/L	97
28) 1,1-Dichloroethane	7.216	63	301828	40.78	ug/L	97
29) Acrylonitrile	7.301	53	578907	196.10	ug/L	98
30) ETBE	7.581	59	533898	38.49	ug/L	98
31) Vinyl acetate	7.605	43	2261765	198.53	ug/L	99
32) cis-1,2-Dichloroethene	8.025	96	187139	39.69	ug/L	98
33) 2,2-Dichloropropane	8.165	77	235314	38.35	ug/L	98
34) Bromochloromethane	8.292	128	82203	37.35	ug/L	96
35) Cyclohexane	8.292	56	297624	36.49	ug/L	98
36) Chloroform	8.378	83	274034	37.12	ug/L	98
37) Ethyl acetate	8.518	43	1650735	195.44	ug/L	98
38) Tetrahydrofuran	8.584	42	142106	41.97	ug/L	97
40) Carbon Tetrachloride	8.554	117	194045	39.15	ug/L	97
41) 1,1,1-Trichloroethane	8.633	97	252297	39.08	ug/L	98
42) 2-Butanone	8.749	43	956255	214.02	ug/L	99
43) 1,1-Dichloropropene	8.779	75	222006	37.71	ug/L	96
44) tert-Butyl formate	8.895	59	732919	193.70	ug/L	98
45) Propionitrile	9.083	54	538588	383.16	ug/L	98
46) Methacrylonitrile	9.108	41	1663037	361.62	ug/L	98
47) Benzene	9.059	78	733670	38.33	ug/L	98
50) Isobutyl Alcohol	9.278	42	317873	805.55	ug/L	96
51) 1,2-Dichloroethane	9.278	62	237491	39.33	ug/L	97
52) Tert Amyl Alcohol	9.381	59	558522m	446.68	ug/L	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:16:01 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

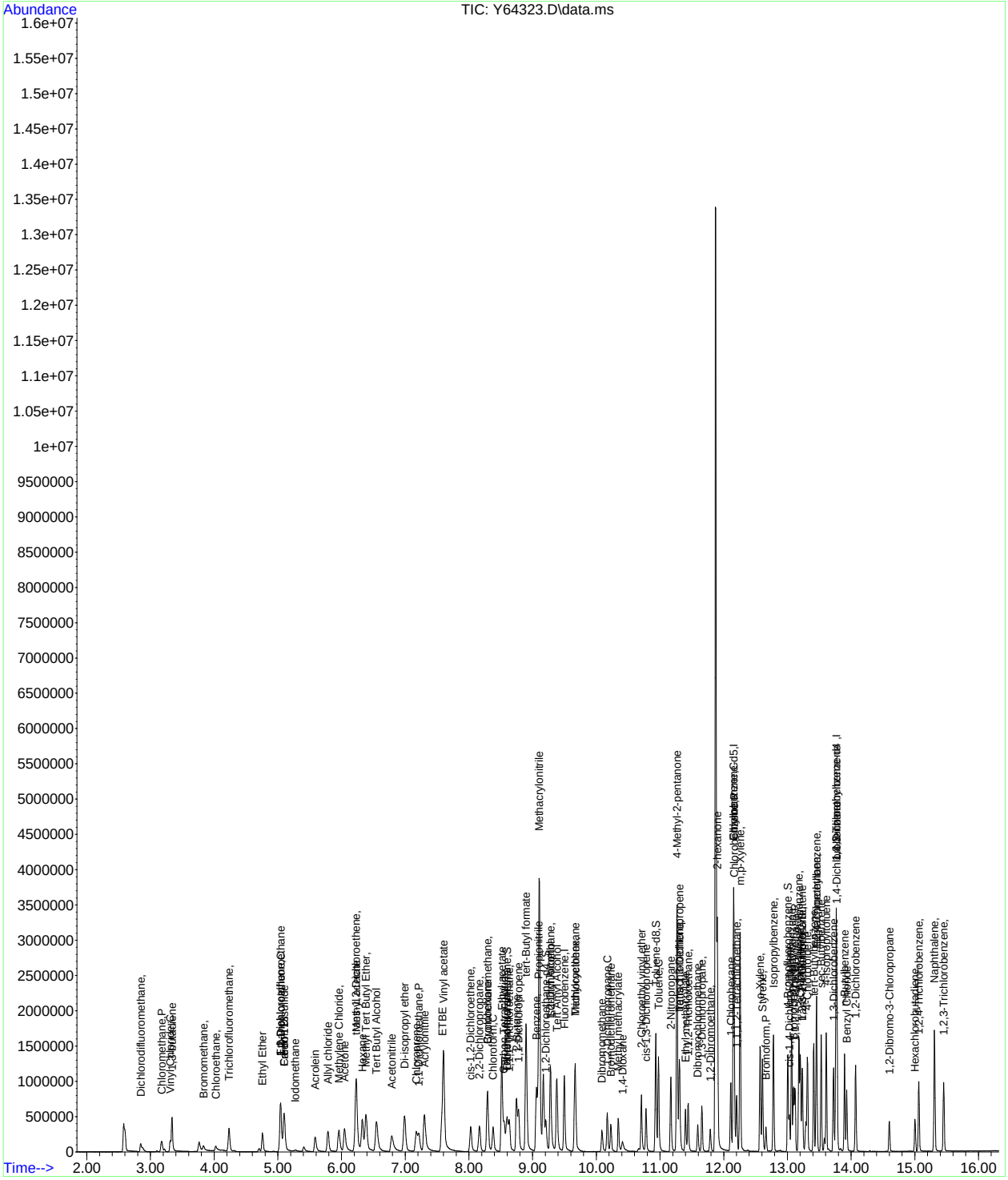
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
53) Trichloroethene	9.673	95	182320	39.33 ug/L		97
54) Methylcyclohexane	9.661	83	303625	37.49 ug/L		97
55) Dibromomethane	10.087	93	102448	39.14 ug/L		95
56) 1,2-Dichloropropane	10.172	63	170149	37.05 ug/L		97
57) Bromodichloromethane	10.227	83	199859	40.80 ug/L		99
58) Methyl methacrylate	10.343	41	198786	37.44 ug/L		97
59) 1,4-Dioxane	10.409	88	119122	1101.92 ug/L		99
60) 2-Chloroethyl vinyl ether	10.708	63	268772	203.98 ug/L		100
61) cis-1,3-Dichloropropene	10.781	75	265562	40.10 ug/L		97
64) Toluene	10.975	91	781191	37.17 ug/L		100
65) 2-Nitropropane	11.170	41	476692	228.28 ug/L		98
66) 4-Methyl-2-pentanone	11.267	43	1786804	205.23 ug/L		99
67) trans-1,3-Dichloropropene	11.310	75	261556	44.87 ug/L		86
68) Tetrachloroethene	11.304	166	194257	38.24 ug/L		97
69) Ethyl methacrylate	11.401	69	245923	35.07 ug/L		97
70) 1,1,2-Trichloroethane	11.444	83	143140	39.15 ug/L		95
71) Dibromochloromethane	11.590	129	159128	40.55 ug/L		98
72) 1,3-Dichloropropane	11.657	76	286859	35.95 ug/L		98
73) 1,2-Dibromoethane	11.790	107	175801	38.95 ug/L		97
75) 2-hexanone	11.900	43	1504738	199.08 ug/L		99
76) 1-Chlorohexane	12.113	91	247531	39.14 ug/L		97
77) Ethylbenzene	12.155	91	872784	37.69 ug/L		100
78) Chlorobenzene	12.168	112	482419	37.37 ug/L		86
79) 1,1,1,2-Tetrachloroethane	12.204	131	161489	39.41 ug/L		97
80) m,p-Xylene	12.259	91	1364692	76.27 ug/L		99
81) o-Xylene	12.569	91	669497	38.99 ug/L		98
82) Styrene	12.606	104	523438	41.81 ug/L		97
83) Bromoform	12.666	173	123282	44.55 ug/L		97
84) Isopropylbenzene	12.782	105	833317	38.15 ug/L		99
87) cis-1,4-Dichloro-2-butene	13.031	53	83094	38.84 ug/L	#	87
88) n-Propylbenzene	13.068	91	1002542	37.03 ug/L		100
89) Bromobenzene	13.098	156	200196	37.07 ug/L		89
90) 1,1,2,2-Tetrachloroethane	13.123	83	299546	39.78 ug/L		98
91) 1,3,5-Trimethylbenzene	13.177	105	665024	35.95 ug/L		98
92) 2-Chlorotoluene	13.202	91	636085	36.18 ug/L		98
93) trans-1,4-Dichloro-2-B...	13.238	53	71993	36.23 ug/L	#	87
94) 1,2,3-Trichloropropane	13.232	110	93953	37.50 ug/L		96
96) 4-Chlorotoluene	13.311	91	578781	36.98 ug/L		100
97) tert-Butylbenzene	13.415	91	361833	35.50 ug/L		98
98) 1,2,4-Trimethylbenzene	13.457	105	671616	36.99 ug/L		100
99) Pentachloroethane	13.463	167	103283	36.56 ug/L		97
100) sec-Butylbenzene	13.530	105	805863	36.45 ug/L		98
101) 4-Isopropyltoluene	13.609	119	699782	37.67 ug/L		99
102) 1,3-Dichlorobenzene	13.725	146	366704	37.73 ug/L		99
103) 1,2,3-Trimethylbenzene	13.761	105	715594	38.98 ug/L		99
104) 1,4-Dichlorobenzene	13.780	146	381245	37.01 ug/L		99
105) n-Butylbenzene	13.895	92	304029	32.99 ug/L		99
106) Benzyl Chloride	13.932	126	98443	32.17 ug/L	#	92
107) 1,2-Dichlorobenzene	14.072	146	365021	38.41 ug/L		99
108) 1,2-Dibromo-3-Chloropr...	14.601	75	74185	42.30 ug/L		89
109) Hexachlorobutadiene	15.002	225	67100	36.57 ug/L		94
110) 1,2,4-Trichlorobenzene	15.063	180	247637	39.86 ug/L		96
111) Naphthalene	15.307	128	1114491	41.65 ug/L		100
112) 1,2,3-Trichlorobenzene	15.453	180	243702	39.13 ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:16:01 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

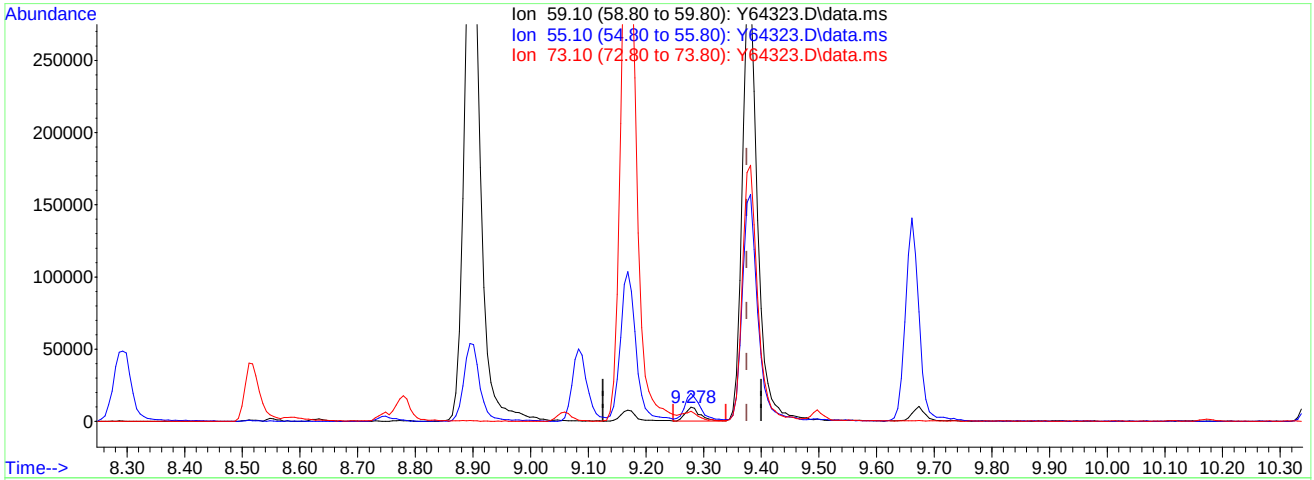
Sample Number: VY2666-ICV2666
Lab FileID: Y64323.D
Injection Time: 08/30/22 11:36
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

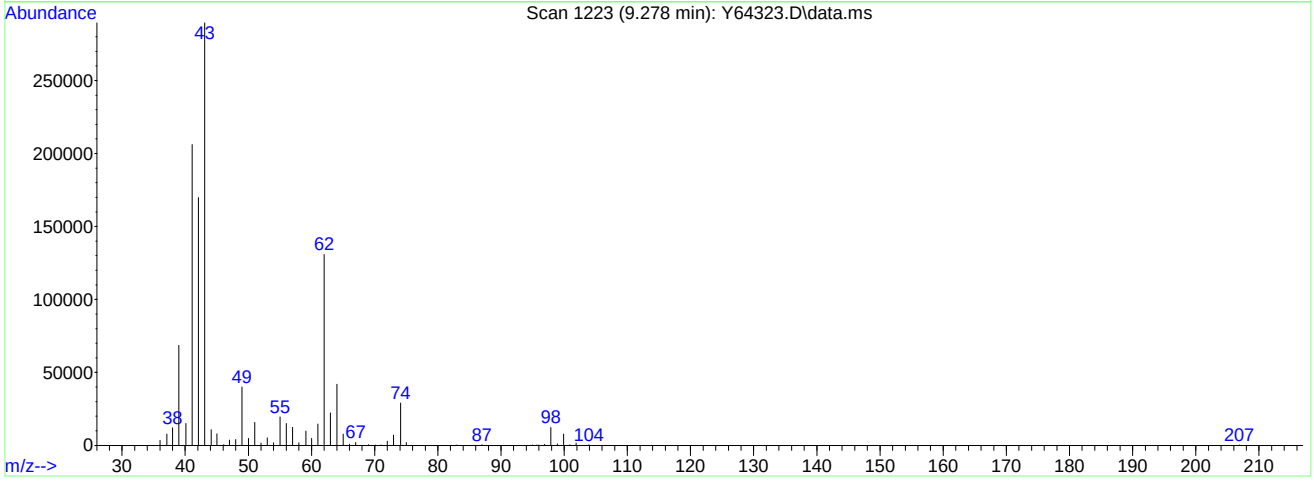
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert-Amyl Alcohol	75-85-4		9.38	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:14:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64323.D\data.ms

(52) Tert Amyl Alcohol

9.278min (-0.097) 16.27ug/L

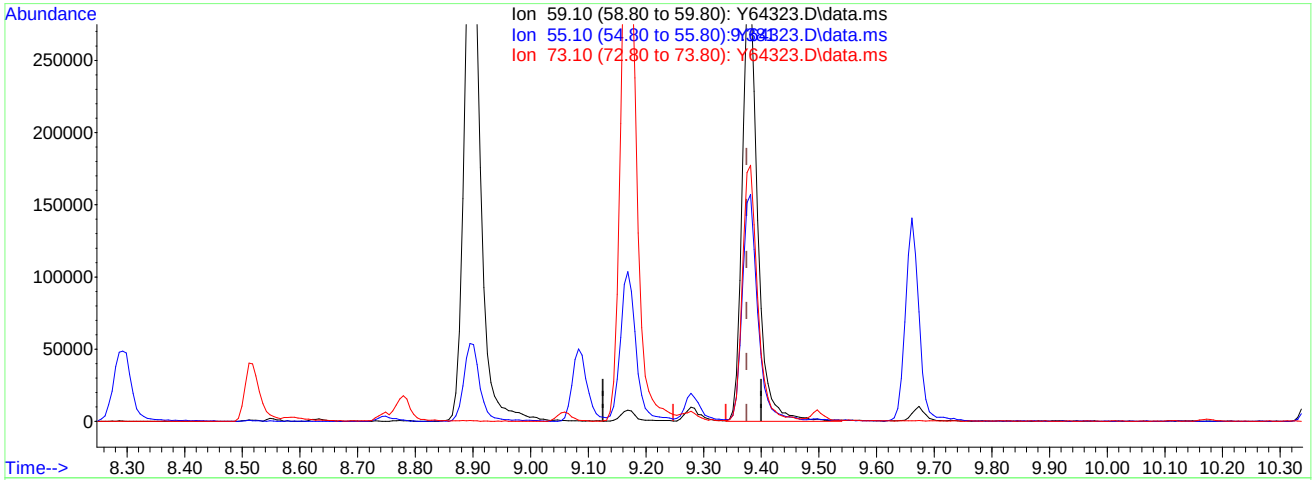
response 16712

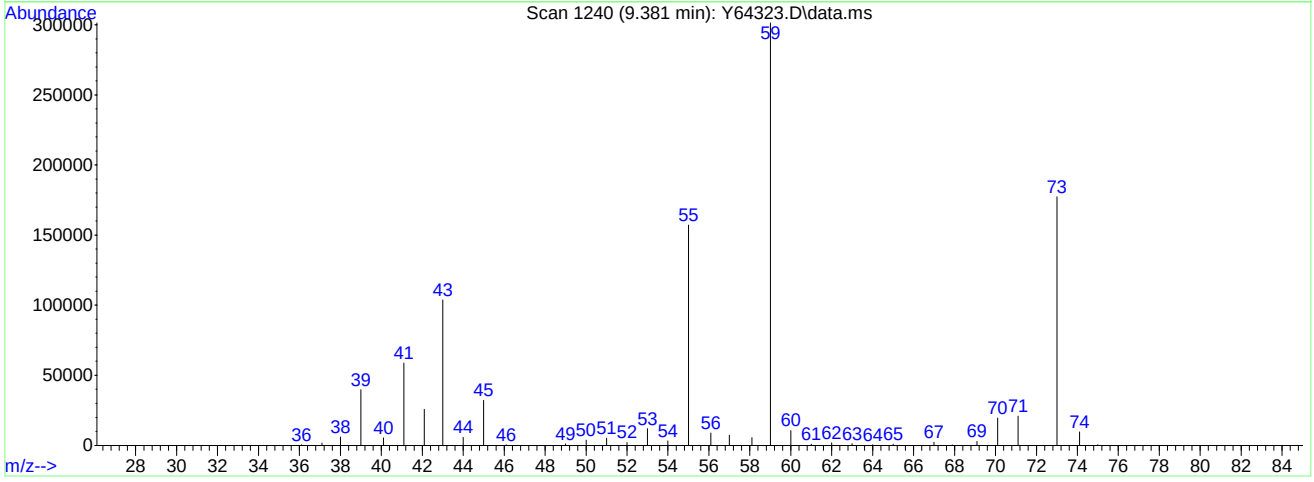
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	192.01#
73.10	59.00	66.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64323.D
Acq On : 30 Aug 2022 11:36 am
Operator : joannel
Sample : ICV2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 15:14:14 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64323.D\data.ms

(52) Tert Amyl Alcohol

9.381min (+0.006) 446.68ug/L m

response 558522

Ion	Exp%	Act%
59.10	100	100
55.10	51.70	52.15
73.10	59.00	58.82
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Shanica O'Connor 08/30/22 18:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64324.D
Acq On : 30 Aug 2022 12:01 pm
Operator : joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 15:17:59 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.498	96	845351	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.150	117	693443	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.768	152	364991	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.603	113	191772	50.63	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.26%			
49) 1,2-Dichloroethane-d4	9.206	65	231612	50.06	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.12%			
63) Toluene-d8	10.933	98	865691	50.47	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.94%			
86) 4-Bromofluorobenzene	13.008	174	286054	51.62	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.24%			
Target Compounds						Qvalue
48) TAME	9.169	73	403667	29.48	ug/L	99
74) 3,3-dimethyl-1-butanol	11.870	57	1958071m	1114.88	ug/L	
95) Cyclohexanone	13.288	55	64068	132.92	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

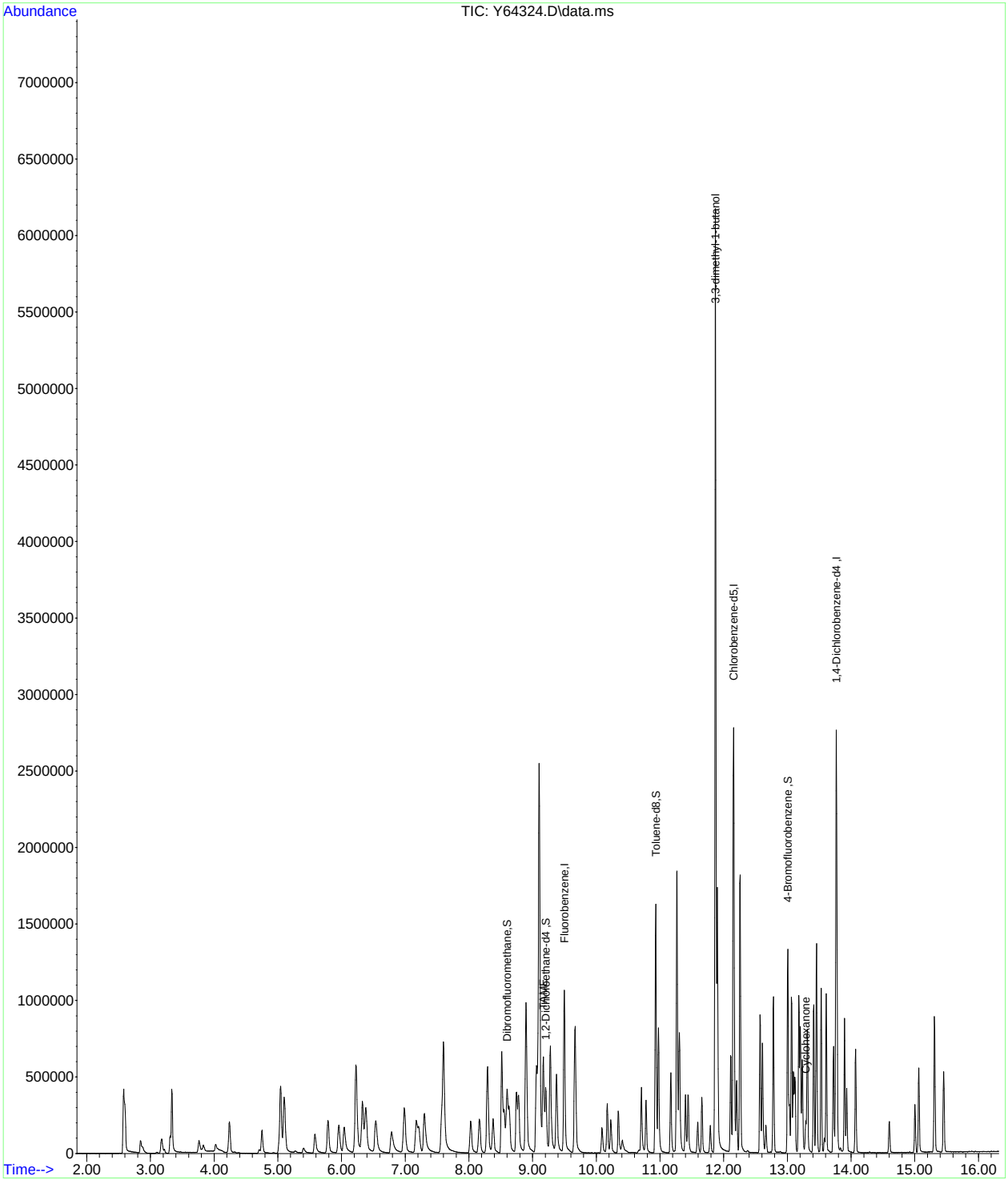
7.6.41

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64324.D
Acq On : 30 Aug 2022 12:01 pm
Operator : joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2666,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 15:17:59 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

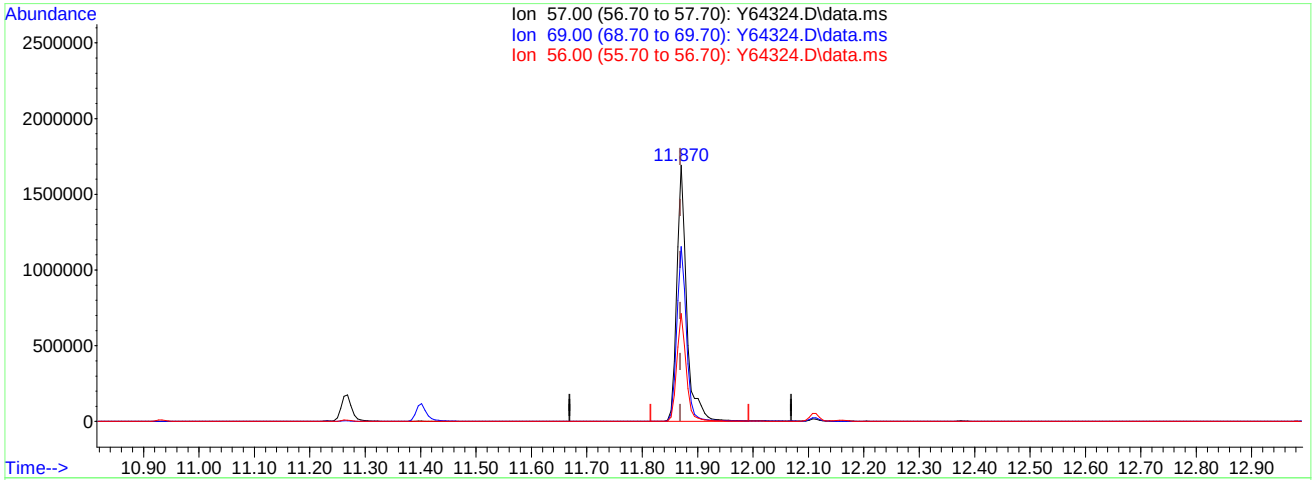
Sample Number: VY2666-ICV2666
Lab FileID: Y64324.D
Injection Time: 08/30/22 12:01
Method: SW846 8260D
Analyst approved: 08/30/22 15:26 Jo-Ann Lugo De Jesus
Supervisor approved: 08/30/22 18:34 Shanica O'Connor

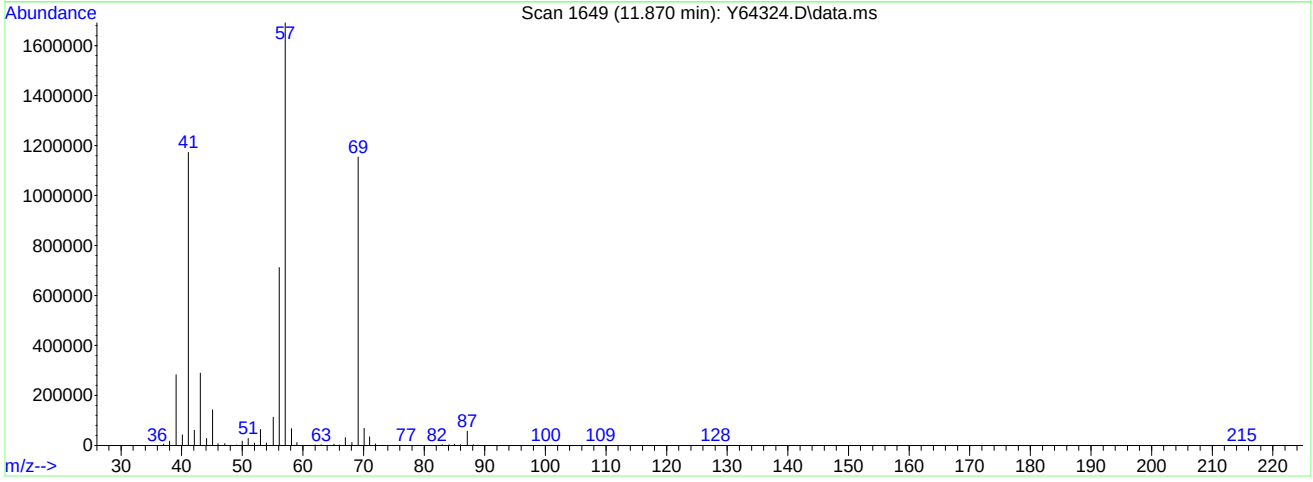
Parameter	CAS	Sig#	R.T. (min.)	Reason
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64324.D
Acq On : 30 Aug 2022 12:01 pm
Operator : joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 15:14:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64324.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (+0.001) 1197.09ug/L

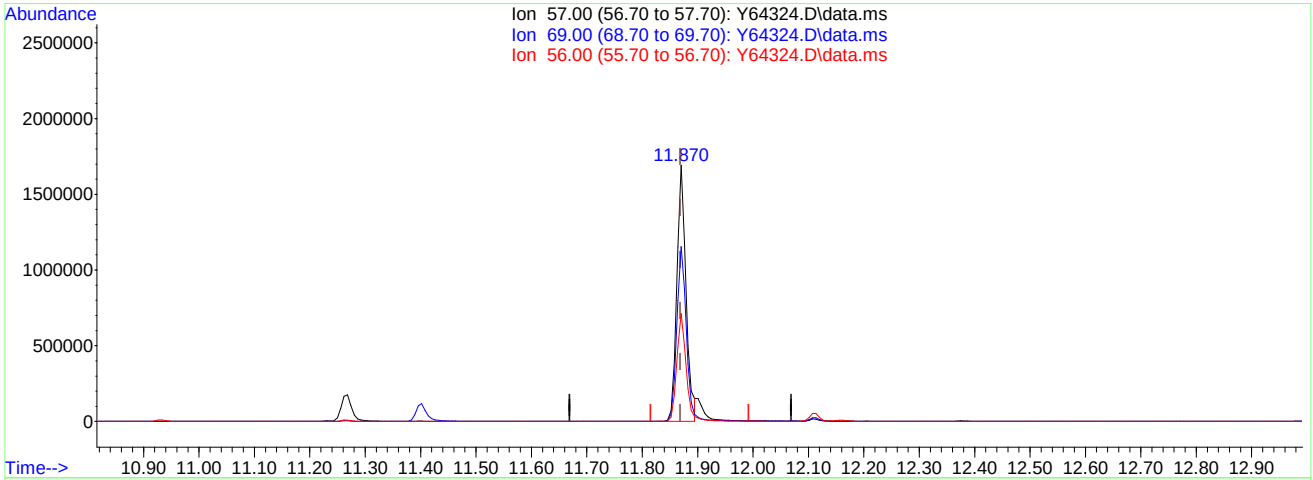
response 2117796

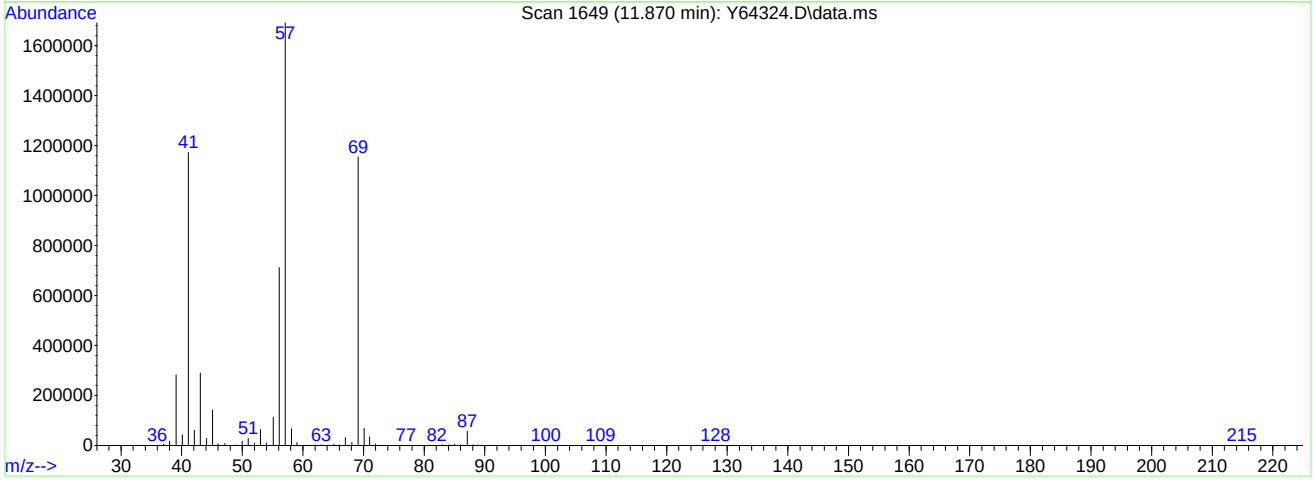
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	68.20
56.00	42.20	42.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-08-30\
Data File : Y64324.D
Acq On : 30 Aug 2022 12:01 pm
Operator : joannel
Sample : ICV2666-4 Inst : MSVOA14-Y
Misc : MS52207,VY2667,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 30 15:14:16 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64324.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.870min (+0.001) 1114.88ug/L m

response 1958071

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	68.22
56.00	42.20	42.10
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Karen Watson
09/02/22 11:07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.496	96	714010	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.148	117	628205	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.766	152	338699	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.601	113	161999	50.64	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.28%			
49) 1,2-Dichloroethane-d4	9.210	65	192301	49.21	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.42%			
63) Toluene-d8	10.931	98	738213	47.51	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.02%			
86) 4-Bromofluorobenzene	13.006	174	246486	47.94	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.846	85	173540	42.26	ug/L	97
3) Acrolein	5.578	56	222716	215.87	ug/L	98
4) Chloromethane	3.169	50	189127	42.53	ug/L	97
5) 1,3-butadiene	3.339	39	186908	46.10	ug/L	99
6) Vinyl Chloride	3.309	62	207208	41.68	ug/L	93
7) Bromomethane	3.826	94	33874	34.53	ug/L	93
8) Chloroethane	4.027	64	79923	47.01	ug/L	97
9) Trichlorofluoromethane	4.246	101	234917	44.81	ug/L	100
10) Ethyl Ether	4.745	59	138328	42.55	ug/L	95
11) Ethanol	5.000	45	80527	836.45	ug/L	91
12) 1,2-Dichlorotrifluoroe...	5.037	67	158725	44.16	ug/L	97
13) 1,1-Dichloroethene	5.049	61	216411	44.46	ug/L	96
14) Freon 113	5.110	101	153644	45.40	ug/L	96
15) Carbon Disulfide	5.097	76	412881	44.61	ug/L	98
16) Iodomethane	5.274	142	40830	46.53	ug/L	86
17) Allyl chloride	5.785	41	190656	41.17	ug/L	99
18) Methylene Chloride	5.955	49	218443	37.69	ug/L	97
19) Acetone	6.034	43	436936	209.01	ug/L	97
20) Methyl acetate	6.223	43	1046758	225.36	ug/L	99
21) trans-1,2-Dichloroethene	6.217	61	211542	43.58	ug/L	96
22) Hexane	6.326	56	122342m	46.75	ug/L	
23) Methyl Tert Butyl Ether	6.375	73	458273	40.99	ug/L	74
24) Tert Butyl Alcohol	6.527	59	506606	414.47	ug/L	99
25) Acetonitrile	6.776	41	375737	400.66	ug/L	98
26) Di-isopropyl ether	6.983	45	500985	42.18	ug/L	96
27) Chloroprene	7.172	53	39226	42.79	ug/L	93
28) 1,1-Dichloroethane	7.214	63	268633	42.53	ug/L	98
29) Acrylonitrile	7.300	53	511023	202.48	ug/L	97
30) ETBE	7.573	59	499954	42.23	ug/L	100
31) Vinyl acetate	7.598	43	2002927	205.44	ug/L	99
32) cis-1,2-Dichloroethene	8.030	96	171364	42.59	ug/L	97
33) 2,2-Dichloropropane	8.163	77	228844	43.70	ug/L	97
34) Bromochloromethane	8.291	128	75731	40.32	ug/L	96
35) Cyclohexane	8.291	56	319699	45.93	ug/L	98
36) Chloroform	8.376	83	259738	41.23	ug/L	97
37) Ethyl acetate	8.510	43	1453851	201.60	ug/L	99
38) Tetrahydrofuran	8.583	42	117753	40.75	ug/L	96
40) Carbon Tetrachloride	8.553	117	185400	43.83	ug/L	94
41) 1,1,1-Trichloroethane	8.632	97	239125	43.40	ug/L	97
42) 2-Butanone	8.741	43	777384	203.88	ug/L	98
43) 1,1-Dichloropropene	8.778	75	217738	43.34	ug/L	96
44) tert-Butyl formate	8.893	59	729055	225.78	ug/L	98
45) Propionitrile	9.082	54	496323	410.90	ug/L	97
46) Methacrylonitrile	9.100	41	1625931	408.01	ug/L	99
47) Benzene	9.058	78	692277	42.38	ug/L	98
48) TAME	9.167	73	472849	40.89	ug/L	98
50) Isobutyl Alcohol	9.271	42	287217	844.64	ug/L	99
51) 1,2-Dichloroethane	9.277	62	209858	40.72	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration

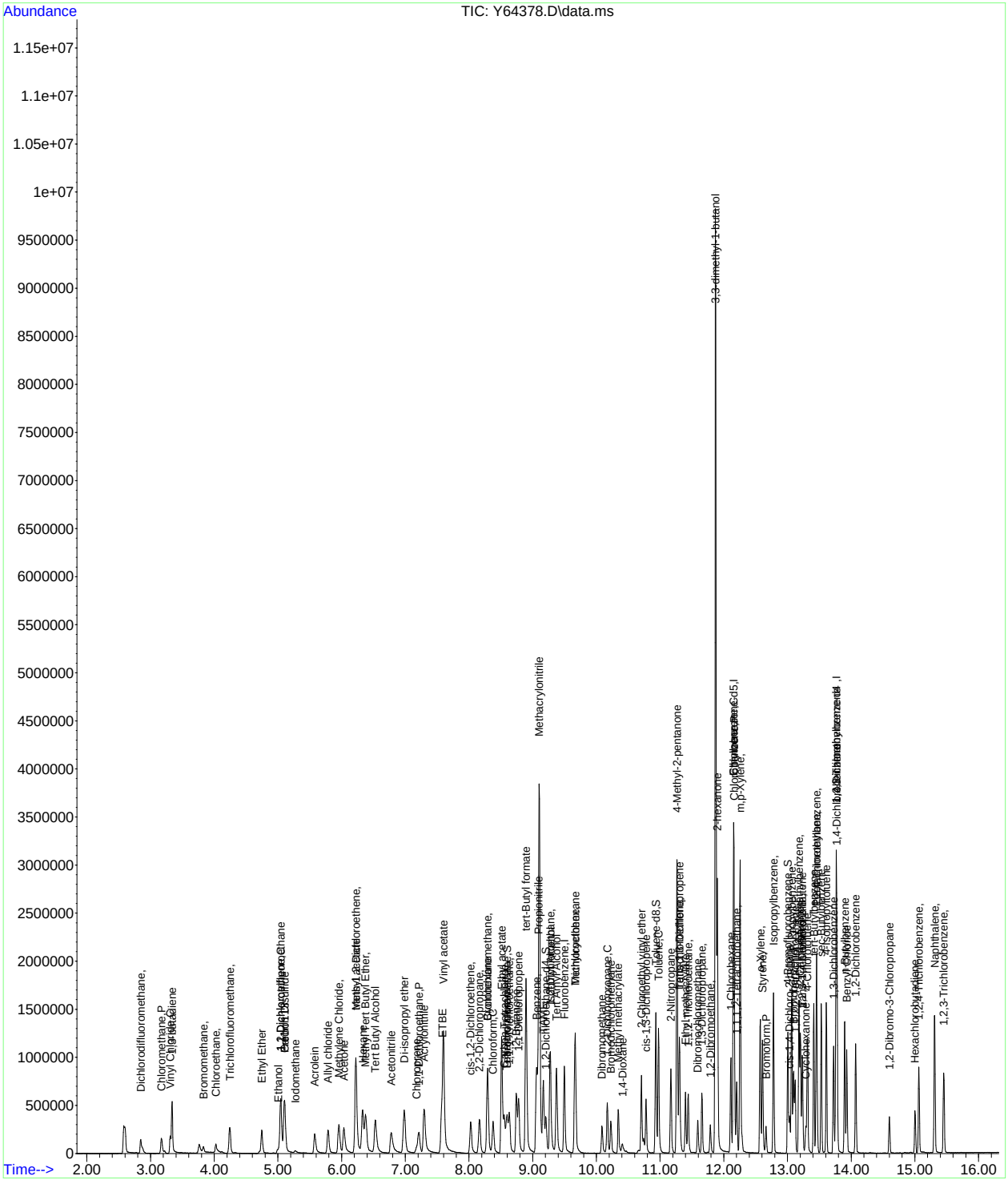
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Tert Amyl Alcohol	9.374	59	455842m	430.15 ug/L		
53) Trichloroethene	9.672	95	172031	43.48 ug/L		98
54) Methylcyclohexane	9.660	83	315390	45.63 ug/L		98
55) Dibromomethane	10.086	93	94465	42.29 ug/L		96
56) 1,2-Dichloropropane	10.171	63	160964	41.07 ug/L		97
57) Bromodichloromethane	10.226	83	177897	42.56 ug/L		98
58) Methyl methacrylate	10.341	41	192908	42.07 ug/L		99
59) 1,4-Dioxane	10.408	88	71941	814.45 ug/L		93
60) 2-Chloroethyl vinyl ether	10.706	63	271876	239.43 ug/L		98
61) cis-1,3-Dichloropropene	10.779	75	243258	42.89 ug/L		99
64) Toluene	10.974	91	746994	38.89 ug/L		100
65) 2-Nitropropane	11.169	41	390351	204.56 ug/L		99
66) 4-Methyl-2-pentanone	11.266	43	1557418	196.60 ug/L		99
67) trans-1,3-Dichloropropene	11.309	75	210362	39.69 ug/L		99
68) Tetrachloroethene	11.303	166	180226	38.83 ug/L		97
69) Ethyl methacrylate	11.400	69	251980	39.03 ug/L		97
70) 1,1,2-Trichloroethane	11.442	83	127916	38.29 ug/L		97
71) Dibromochloromethane	11.588	129	141002	39.32 ug/L		99
72) 1,3-Dichloropropane	11.655	76	280939	38.53 ug/L		98
73) 1,2-Dibromoethane	11.789	107	161110	39.06 ug/L		91
74) 3,3-dimethyl-1-butanol	11.868	57	3184783m	1875.09 ug/L		
75) 2-hexanone	11.899	43	1296106	192.18 ug/L		98
76) 1-Chlorohexane	12.112	91	244365	42.29 ug/L		96
77) Ethylbenzene	12.154	91	833540	39.39 ug/L		99
78) Chlorobenzene	12.166	112	454591	38.54 ug/L		88
79) 1,1,1,2-Tetrachloroethane	12.203	131	148805	39.74 ug/L		100
80) m,p-Xylene	12.258	91	1298815	79.43 ug/L		99
81) o-Xylene	12.574	91	619877	39.50 ug/L		97
82) Styrene	12.610	104	473526	41.39 ug/L		99
83) Bromoform	12.665	173	96260	38.79 ug/L		98
84) Isopropylbenzene	12.781	105	795070	39.84 ug/L		99
87) cis-1,4-Dichloro-2-butene	13.030	53	56286	28.65 ug/L		97
88) n-Propylbenzene	13.067	91	952133	38.30 ug/L		99
89) Bromobenzene	13.097	156	183822	37.07 ug/L		85
90) 1,1,2,2-Tetrachloroethane	13.121	83	263756	38.15 ug/L		98
91) 1,3,5-Trimethylbenzene	13.182	105	647247	38.11 ug/L		97
92) 2-Chlorotoluene	13.201	91	597278	37.00 ug/L		99
93) trans-1,4-Dichloro-2-B...	13.237	53	57308	31.41 ug/L	#	55
94) 1,2,3-Trichloropropane	13.231	110	88332	38.43 ug/L		97
95) Cyclohexanone	13.286	55	89663	200.46 ug/L		95
96) 4-Chlorotoluene	13.310	91	533755	37.15 ug/L		99
97) tert-Butylbenzene	13.413	91	350009	37.40 ug/L		97
98) 1,2,4-Trimethylbenzene	13.456	105	637807	38.26 ug/L		98
99) Pentachloroethane	13.462	167	96680	37.26 ug/L		94
100) sec-Butylbenzene	13.529	105	780772	38.46 ug/L		99
101) 4-Isopropyltoluene	13.608	119	659816	38.69 ug/L		98
102) 1,3-Dichlorobenzene	13.724	146	329583	36.94 ug/L		99
103) 1,2,3-Trimethylbenzene	13.760	105	637635	37.83 ug/L		99
104) 1,4-Dichlorobenzene	13.778	146	341857	36.14 ug/L		96
105) n-Butylbenzene	13.900	92	318633	37.66 ug/L		95
106) Benzyl Chloride	13.931	126	114939	40.16 ug/L		97
107) 1,2-Dichlorobenzene	14.070	146	331177	37.96 ug/L		99
108) 1,2-Dibromo-3-Chloropr...	14.600	75	67068	41.65 ug/L		98
109) Hexachlorobutadiene	15.007	225	60966	36.23 ug/L		97
110) 1,2,4-Trichlorobenzene	15.062	180	211042	37.00 ug/L		99
111) Naphthalene	15.312	128	962967	39.20 ug/L		100
112) 1,2,3-Trichlorobenzene	15.451	180	211907	37.06 ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:51 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

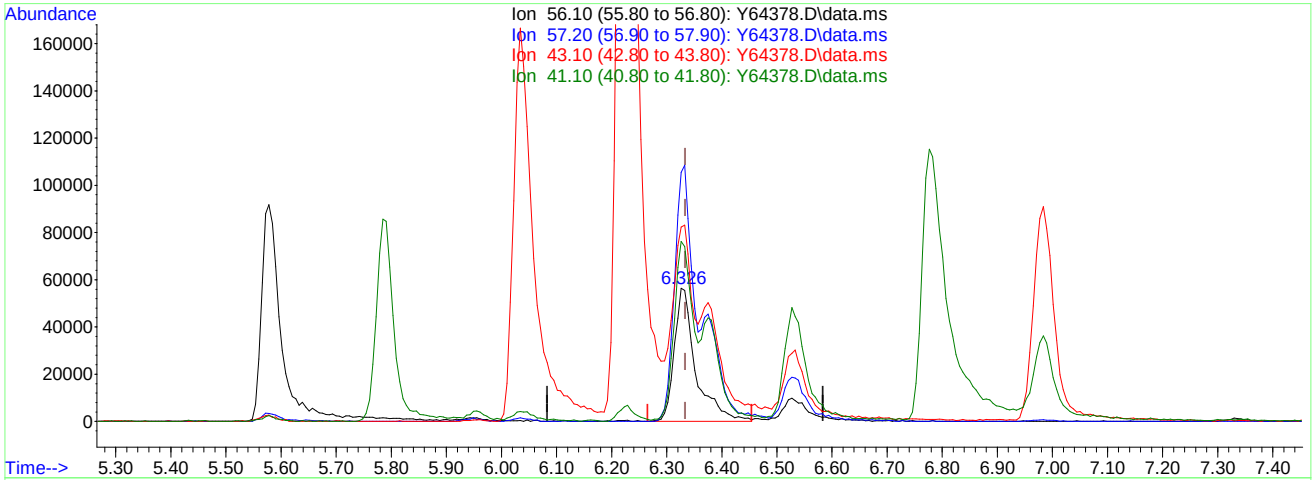
Sample Number: VY2669-CC2666
Lab FileID: Y64378.D
Injection Time: 09/01/22 11:07
Method: SW846 8260D
Analyst approved: 09/01/22 11:27 Jo-Ann Lugo De Jesus
Supervisor approved: 09/02/22 11:07 Karen Watson

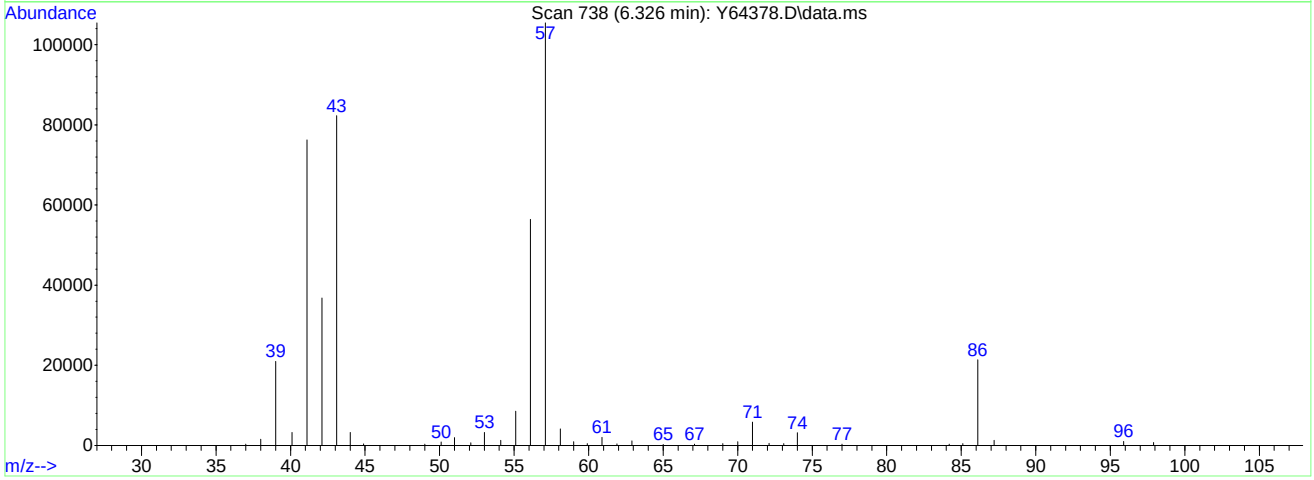
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.37	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(22) Hexane

6.326min (-0.007) 58.52ug/L

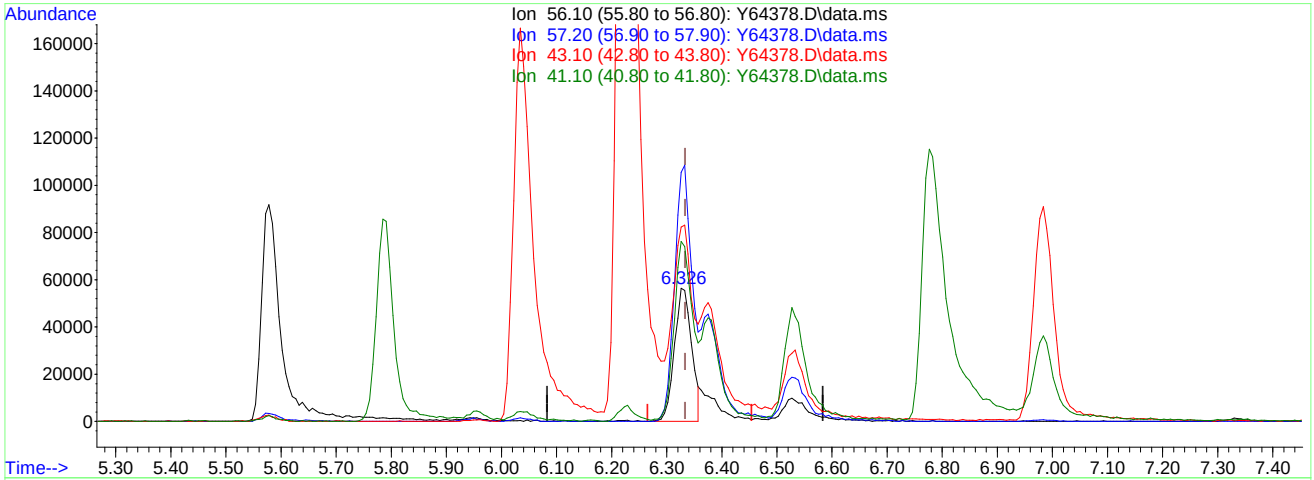
response 153126

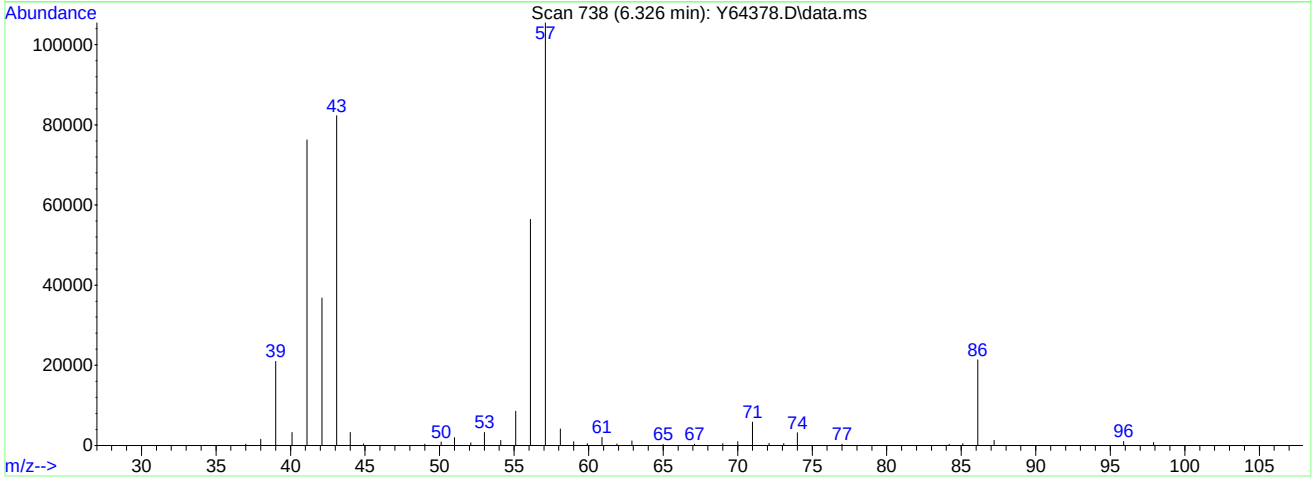
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	186.93
43.10	151.00	133.93
41.10	129.70	133.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(22) Hexane

6.326min (-0.007) 46.75ug/L m

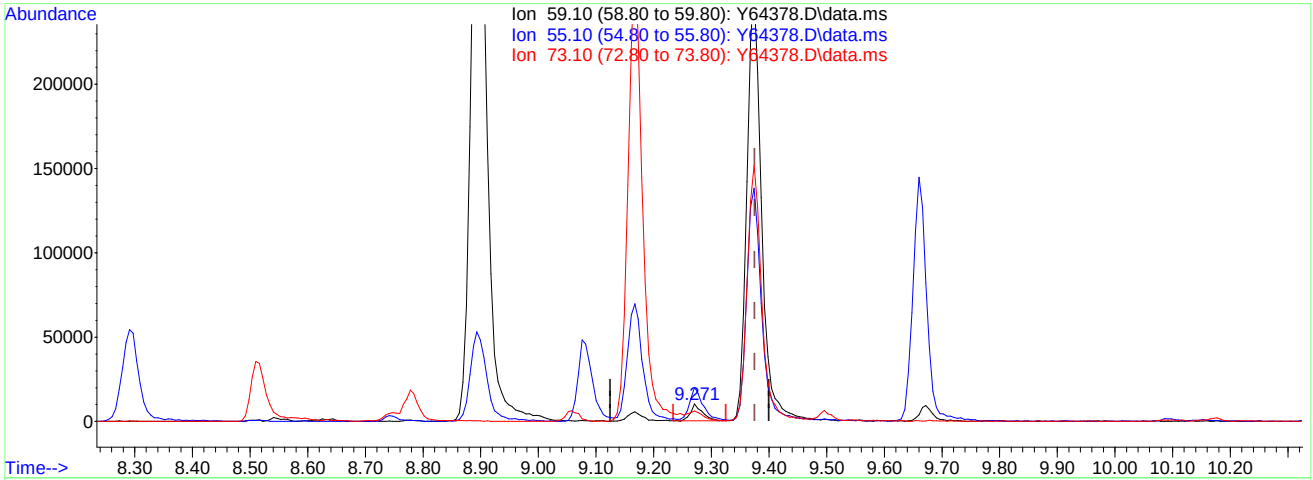
response 122342

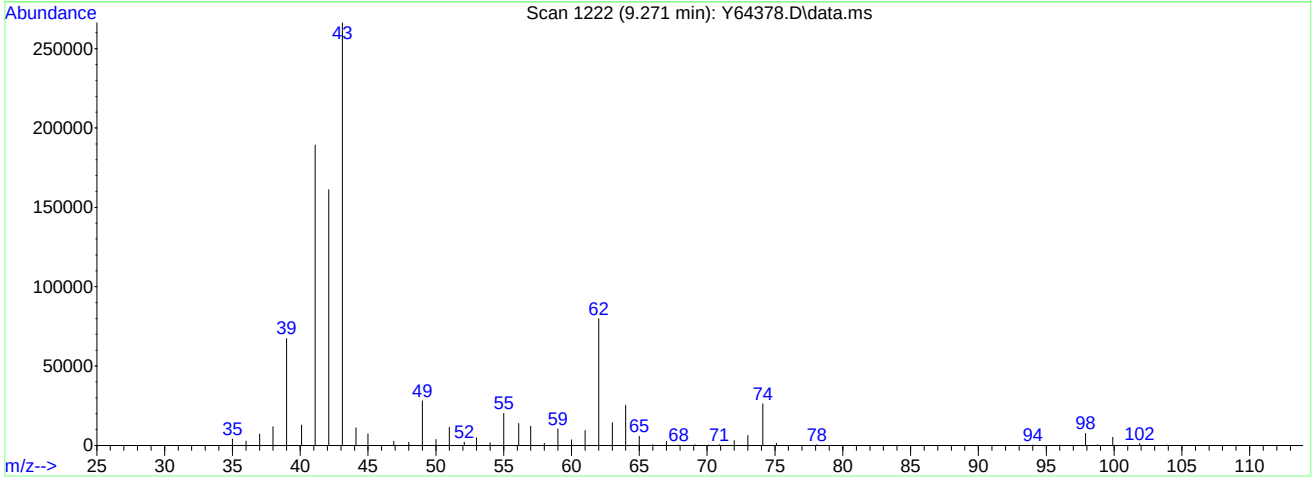
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	186.93
43.10	151.00	145.85
41.10	129.70	135.10

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(52) Tert Amyl Alcohol

9.271min (-0.104) 16.68ug/L

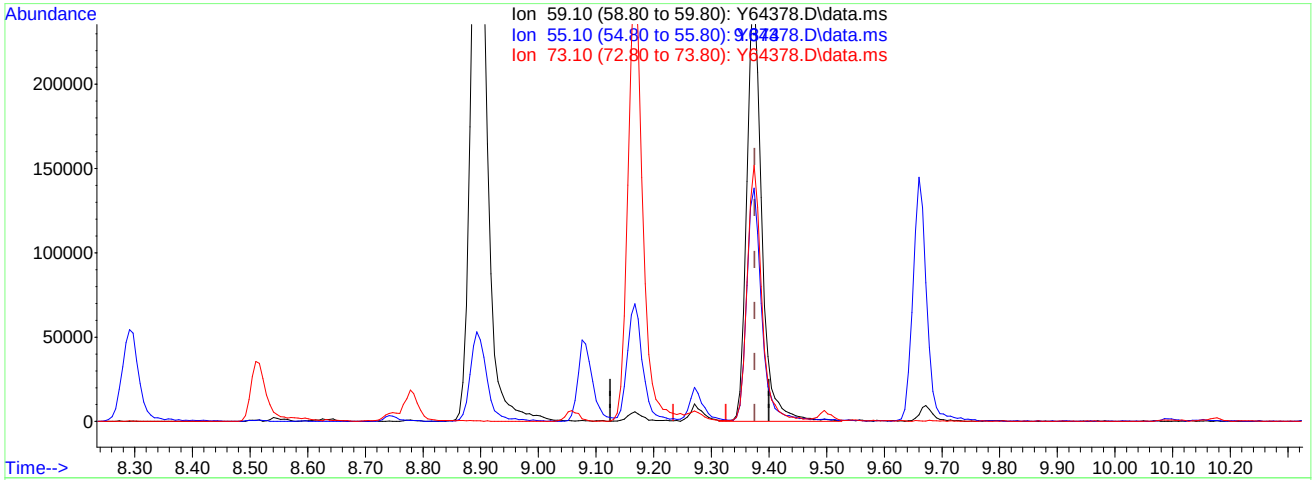
response 14625

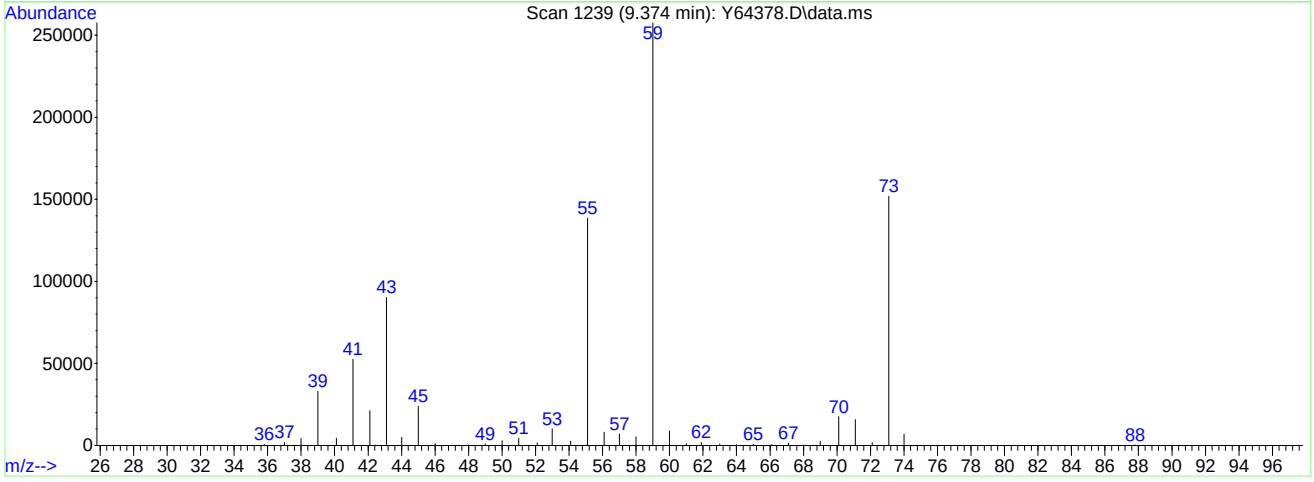
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	192.80#
73.10	59.00	55.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(52) Tert Amyl Alcohol

9.374min (-0.001) 430.15ug/L m

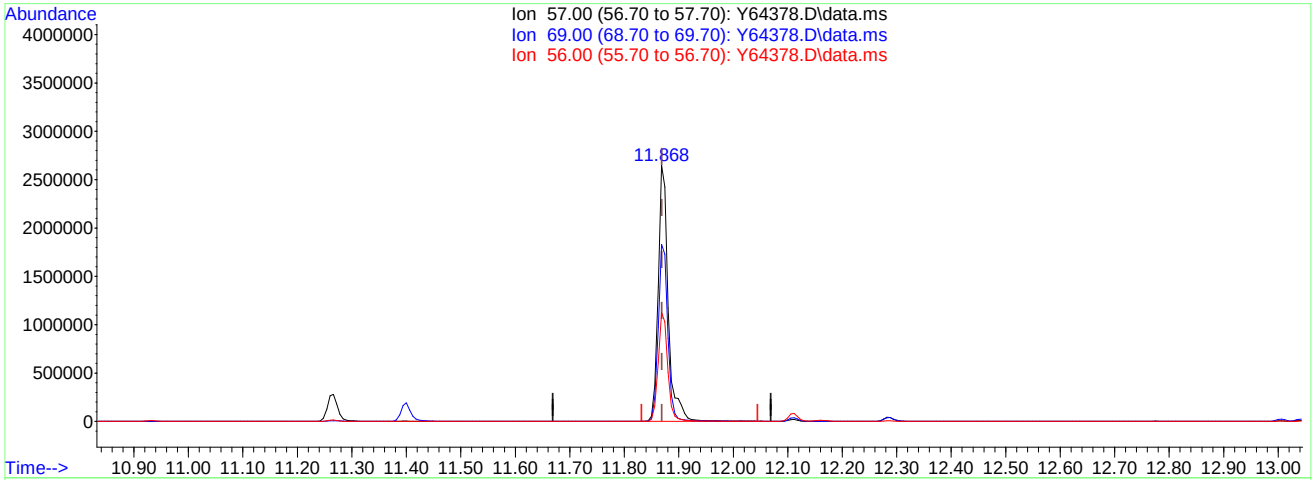
response 455842

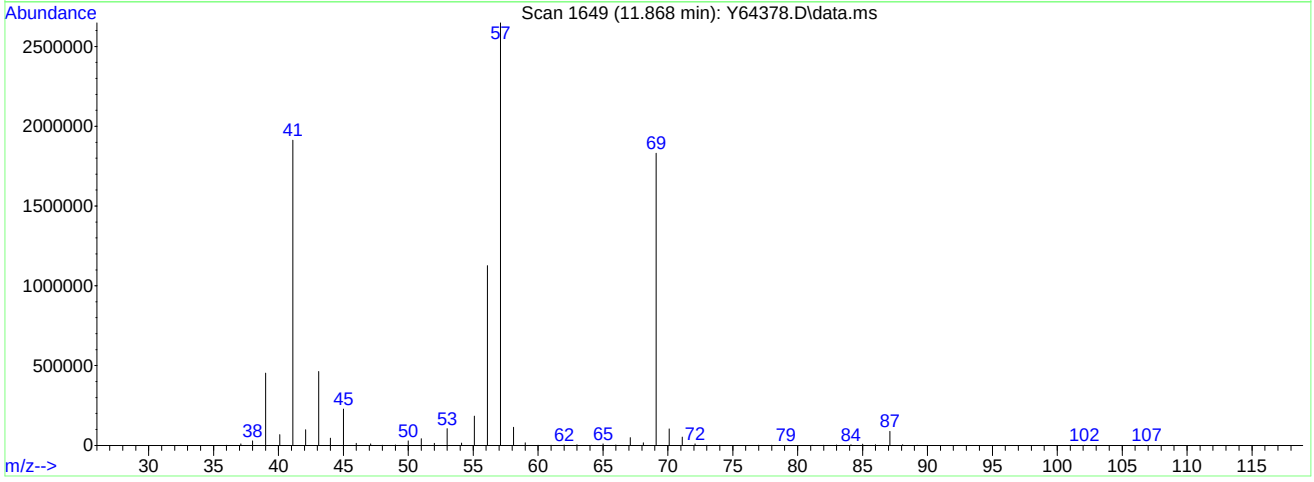
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	53.71
73.10	59.00	58.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.868min (-0.001) 1998.29ug/L

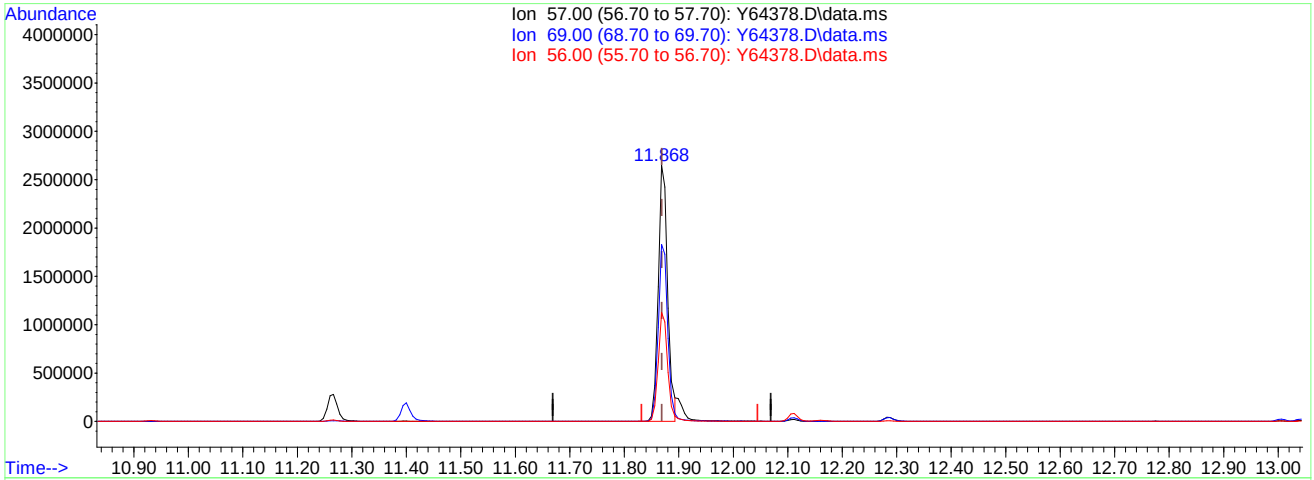
response 3428815

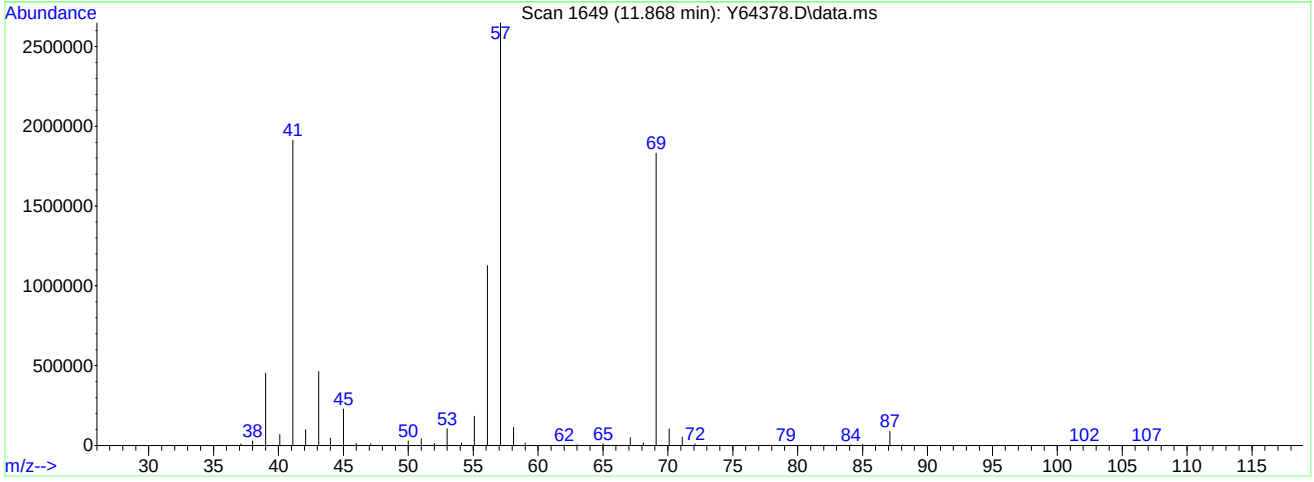
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	69.12
56.00	42.20	42.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2022-09-01\
Data File : Y64378.D
Acq On : 1 Sep 2022 11:07 am
Operator : joannel
Sample : CC2666-5 Inst : MSVOA14-Y
Misc : MS52207,VY2669,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 01 11:24:11 2022
Quant Method : C:\msdchem\1\METHODS\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Tue Aug 30 10:25:42 2022
Response via : Initial Calibration





TIC: Y64378.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.868min (-0.001) 1875.09ug/L m

response 3184783

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	69.15
56.00	42.20	42.51
0.00	0.00	0.00

FA98456

Manual Integrations APPROVED
(compounds with "m" flag)
Karen Watson
09/02/22 11:07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:33:12 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	9.497	96	674131	50.00	ug/L	0.00
62) Chlorobenzene-d5	12.149	117	592913	50.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4	13.767	152	321706	50.00	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	8.602	113	153493	50.82	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.64%			
49) 1,2-Dichloroethane-d4	9.211	65	181369	49.16	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.32%			
63) Toluene-d8	10.932	98	704820	48.06	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.12%			
86) 4-Bromofluorobenzene	13.007	174	227419	46.56	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.12%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.847	85	152073	39.32	ug/L	96
3) Acrolein	5.579	56	202137	208.33	ug/L	100
4) Chloromethane	3.176	50	168341	40.09	ug/L	96
5) 1,3-butadiene	3.340	39	168214	43.95	ug/L	98
6) Vinyl Chloride	3.310	62	183938	39.19	ug/L	95
7) Bromomethane	3.833	94	55778	54.59	ug/L	97
8) Chloroethane	4.027	64	74427	46.37	ug/L	100
9) Trichlorofluoromethane	4.240	101	212493	42.93	ug/L	97
10) Ethyl Ether	4.751	59	131099	42.71	ug/L	98
11) Ethanol	5.001	45	88363	939.85	ug/L	97
12) 1,2-Dichlorotrifluoroe...	5.037	67	140464	41.39	ug/L	98
13) 1,1-Dichloroethene	5.043	61	200980	43.73	ug/L	97
14) Freon 113	5.104	101	134772	42.18	ug/L	99
15) Carbon Disulfide	5.098	76	375110	42.93	ug/L	100
16) Iodomethane	5.275	142	37872	45.82	ug/L	91
17) Allyl chloride	5.786	41	172188	39.45	ug/L	98
18) Methylene Chloride	5.956	49	220989	40.39	ug/L	98
19) Acetone	6.035	43	432536	218.55	ug/L	95
20) Methyl acetate	6.224	43	1046241	238.57	ug/L	99
21) trans-1,2-Dichloroethene	6.218	61	193982	42.32	ug/L	96
22) Hexane	6.333	56	105522m	42.71	ug/L	
23) Methyl Tert Butyl Ether	6.382	73	440639	41.75	ug/L	79
24) Tert Butyl Alcohol	6.534	59	514185	441.48	ug/L	98
25) Acetonitrile	6.777	41	390371	437.45	ug/L	96
26) Di-isopropyl ether	6.984	45	480064	42.81	ug/L	97
27) Chloroprene	7.173	53	34526	40.08	ug/L	92
28) 1,1-Dichloroethane	7.215	63	254691	42.71	ug/L	98
29) Acrylonitrile	7.300	53	506395	211.95	ug/L	98
30) ETBE	7.574	59	484342	43.34	ug/L	99
31) Vinyl acetate	7.598	43	1894375	205.77	ug/L	100
32) cis-1,2-Dichloroethene	8.030	96	161002	42.38	ug/L	97
33) 2,2-Dichloropropane	8.170	77	171464	34.68	ug/L	97
34) Bromochloromethane	8.292	128	71224	40.16	ug/L	90
35) Cyclohexane	8.292	56	291380	44.33	ug/L	97
36) Chloroform	8.377	83	254629	42.81	ug/L	97
37) Ethyl acetate	8.511	43	1411308	207.17	ug/L	99
38) Tetrahydrofuran	8.584	42	112742	41.33	ug/L	94
40) Carbon Tetrachloride	8.554	117	166350	41.66	ug/L	93
41) 1,1,1-Trichloroethane	8.633	97	219559	42.21	ug/L	99
42) 2-Butanone	8.742	43	763347	212.04	ug/L	100
43) 1,1-Dichloropropene	8.779	75	204418	43.09	ug/L	96
44) tert-Butyl formate	8.894	59	680789	223.31	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:33:12 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	Propionitrile	9.083	54	476776	417.39	ug/L		99
46)	Methacrylonitrile	9.101	41	1570973	416.40	ug/L		98
47)	Benzene	9.059	78	657896	42.66	ug/L		99
48)	TAME	9.168	73	459383	42.07	ug/L		99
50)	Isobutyl Alcohol	9.278	42	293655	901.84	ug/L		98
51)	1,2-Dichloroethane	9.284	62	203704	41.87	ug/L		95
52)	Tert Amyl Alcohol	9.375	59	450205m	446.85	ug/L		
53)	Trichloroethene	9.673	95	159002	42.57	ug/L		96
54)	Methylcyclohexane	9.661	83	289543	44.37	ug/L		98
55)	Dibromomethane	10.087	93	90267	42.80	ug/L		93
56)	1,2-Dichloropropane	10.172	63	160749	43.44	ug/L		98
57)	Bromodichloromethane	10.227	83	172558	43.73	ug/L		98
58)	Methyl methacrylate	10.342	41	187856	43.26	ug/L		98
59)	1,4-Dioxane	10.409	88	84809	990.07	ug/L		96
60)	2-Chloroethyl vinyl ether	10.707	63	264316	246.09	ug/L		99
61)	cis-1,3-Dichloropropene	10.780	75	224947	42.05	ug/L		98
64)	Toluene	10.975	91	707393	39.02	ug/L		99
65)	2-Nitropropane	11.169	41	367982	204.32	ug/L		99
66)	4-Methyl-2-pentanone	11.267	43	1541388	205.27	ug/L		99
67)	trans-1,3-Dichloropropene	11.309	75	196185	39.24	ug/L		85
68)	Tetrachloroethene	11.303	166	170003	38.80	ug/L		91
69)	Ethyl methacrylate	11.401	69	240496	39.43	ug/L		98
70)	1,1,2-Trichloroethane	11.443	83	122328	38.80	ug/L		97
71)	Dibromochloromethane	11.589	129	133181	39.35	ug/L		97
72)	1,3-Dichloropropane	11.656	76	267604	38.88	ug/L		98
73)	1,2-Dibromoethane	11.790	107	153912	39.54	ug/L		100
74)	3,3-dimethyl-1-butanol	11.869	57	3201559m	1979.90	ug/L		
75)	2-hexanone	11.900	43	1252549	194.91	ug/L		99
76)	1-Chlorohexane	12.112	91	223894	41.05	ug/L		99
77)	Ethylbenzene	12.155	91	798378	39.98	ug/L		100
78)	Chlorobenzene	12.167	112	440246	39.54	ug/L		88
79)	1,1,1,2-Tetrachloroethane	12.204	131	141150	39.94	ug/L		96
80)	m,p-Xylene	12.258	91	1237826	80.21	ug/L		99
81)	o-Xylene	12.569	91	609555	41.16	ug/L		97
82)	Styrene	12.605	104	477739	44.25	ug/L		97
83)	Bromoform	12.666	173	80910	34.98	ug/L		96
84)	Isopropylbenzene	12.782	105	768402	40.79	ug/L		98
87)	cis-1,4-Dichloro-2-butene	13.031	53	46457	24.90	ug/L		95
88)	n-Propylbenzene	13.068	91	940243	39.82	ug/L		98
89)	Bromobenzene	13.098	156	170421	36.19	ug/L		83
90)	1,1,2,2-Tetrachloroethane	13.122	83	253689	38.63	ug/L		99
91)	1,3,5-Trimethylbenzene	13.177	105	641368	39.76	ug/L		99
92)	2-Chlorotoluene	13.201	91	588769	38.40	ug/L		98
93)	trans-1,4-Dichloro-2-B...	13.238	53	45958	26.52	ug/L	#	49
94)	1,2,3-Trichloropropane	13.232	110	84688	38.80	ug/L		96
95)	Cyclohexanone	13.287	55	87420	205.77	ug/L		96
96)	4-Chlorotoluene	13.311	91	533166	39.07	ug/L		99
97)	tert-Butylbenzene	13.414	91	350769	39.46	ug/L		98
98)	1,2,4-Trimethylbenzene	13.457	105	635652	40.14	ug/L		98
99)	Pentachloroethane	13.463	167	78355	31.93	ug/L		82
100)	sec-Butylbenzene	13.530	105	787109	40.82	ug/L		99
101)	4-Isopropyltoluene	13.609	119	658110	40.63	ug/L		98
102)	1,3-Dichlorobenzene	13.725	146	314694	37.13	ug/L		98
103)	1,2,3-Trimethylbenzene	13.761	105	621364	38.81	ug/L		99
104)	1,4-Dichlorobenzene	13.779	146	326814	36.38	ug/L		98
105)	n-Butylbenzene	13.895	92	326425	40.61	ug/L		96
106)	Benzyl Chloride	13.931	126	74869	28.31	ug/L		93
107)	1,2-Dichlorobenzene	14.071	146	310516	37.47	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:33:12 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration

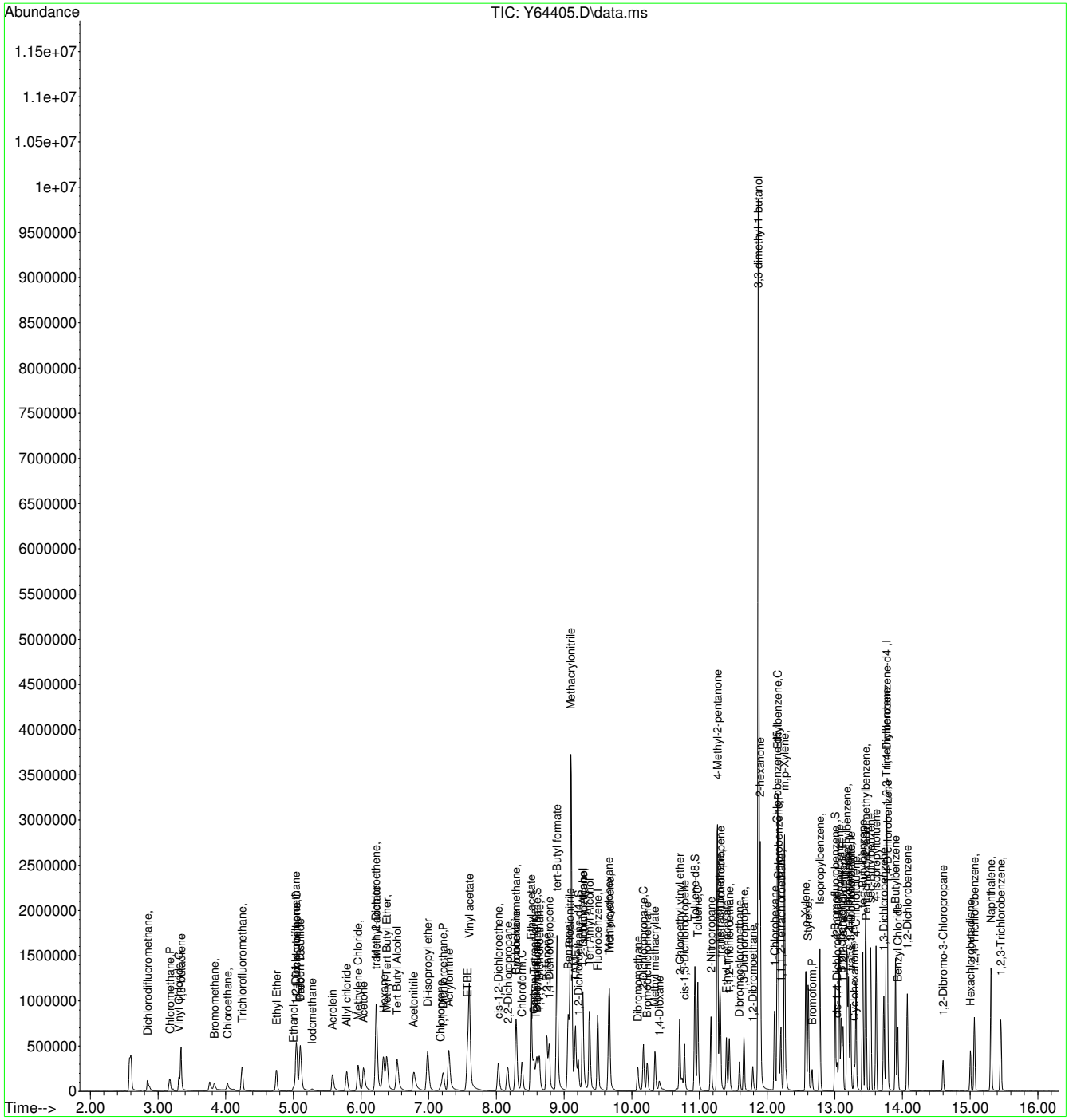
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 1,2-Dibromo-3-Chloropr...	14.601	75	59510	38.91	ug/L	96
109) Hexachlorobutadiene	15.002	225	59791	37.29	ug/L	89
110) 1,2,4-Trichlorobenzene	15.063	180	191043	35.26	ug/L	94
111) Naphthalene	15.306	128	904102	38.74	ug/L	99
112) 1,2,3-Trichlorobenzene	15.452	180	190531	35.09	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:33:12 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration



Manual Integration Approval Summary

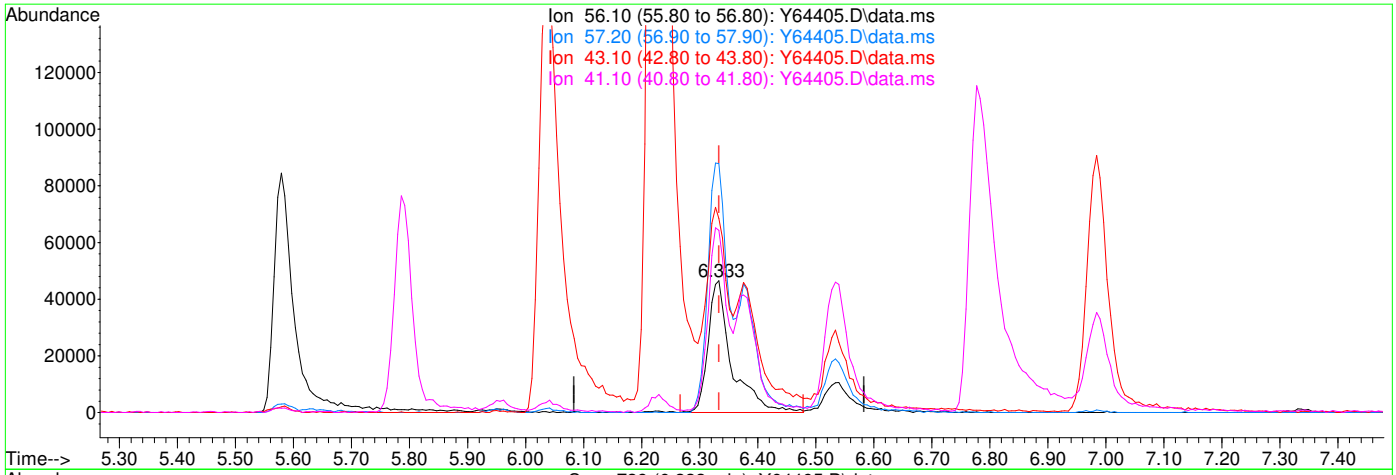
Sample Number: VY2669-ECC2666
Lab FileID: Y64405.D
Injection Time: 09/01/22 22:18
Method: SW846 8260D
Analyst approved: 09/02/22 09:08 Jo-Ann Lugo De Jesus
Supervisor approved: 09/02/22 11:07 Karen Watson

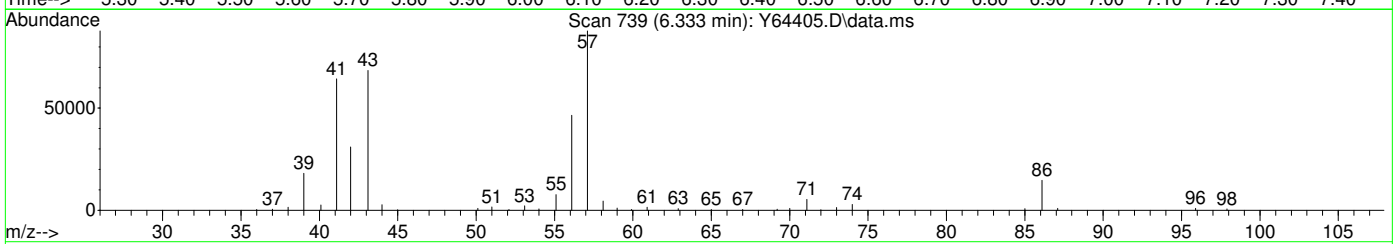
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		6.33	Overlapping peak
Tert-Amyl Alcohol	75-85-4		9.37	Missed peak
3,3-Dimethyl-1-Butanol	624-95-3		11.87	Overlapping peak

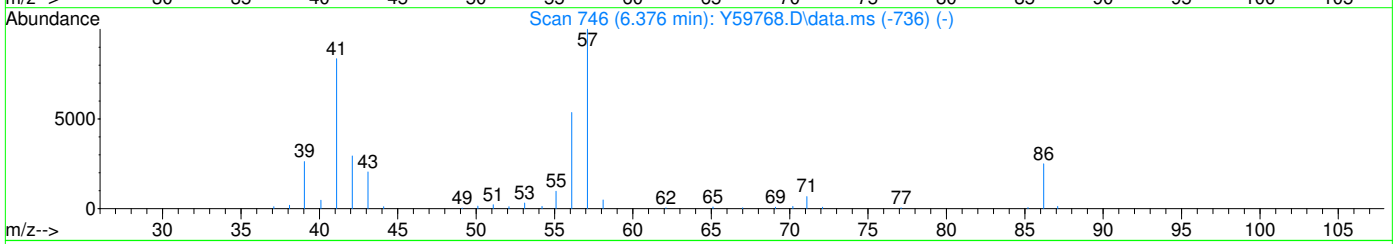
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:12:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64405.D\data.ms

(22) Hexane

6.333min (-0.000) 53.79ug/L

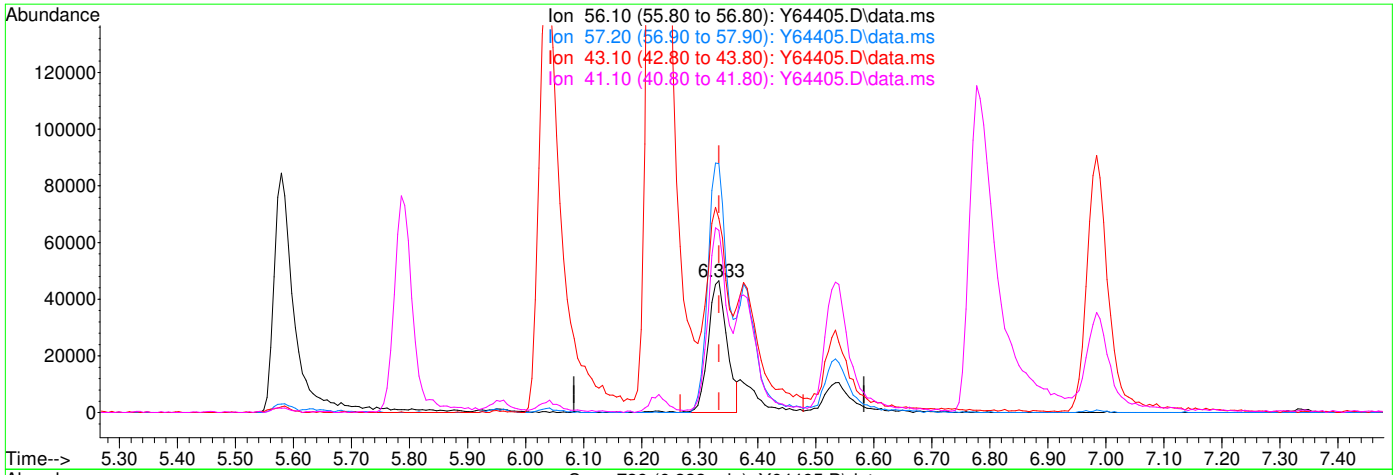
response 132890

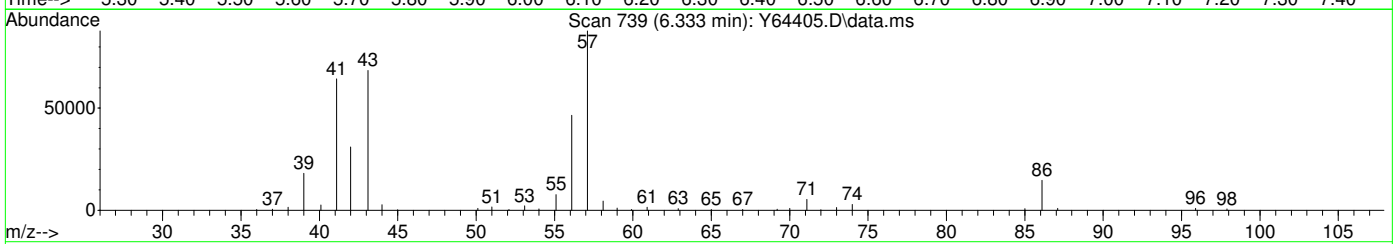
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	189.05
43.10	151.00	136.57
41.10	129.70	136.41

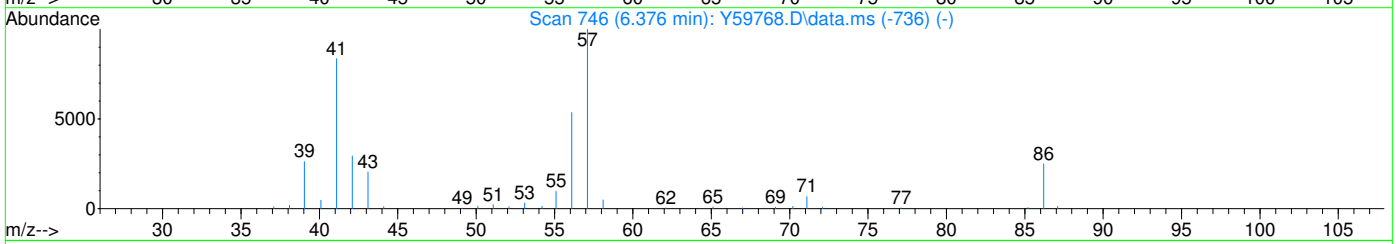
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:12:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64405.D\data.ms

(22) Hexane

6.333min (-0.000) 42.71ug/L m

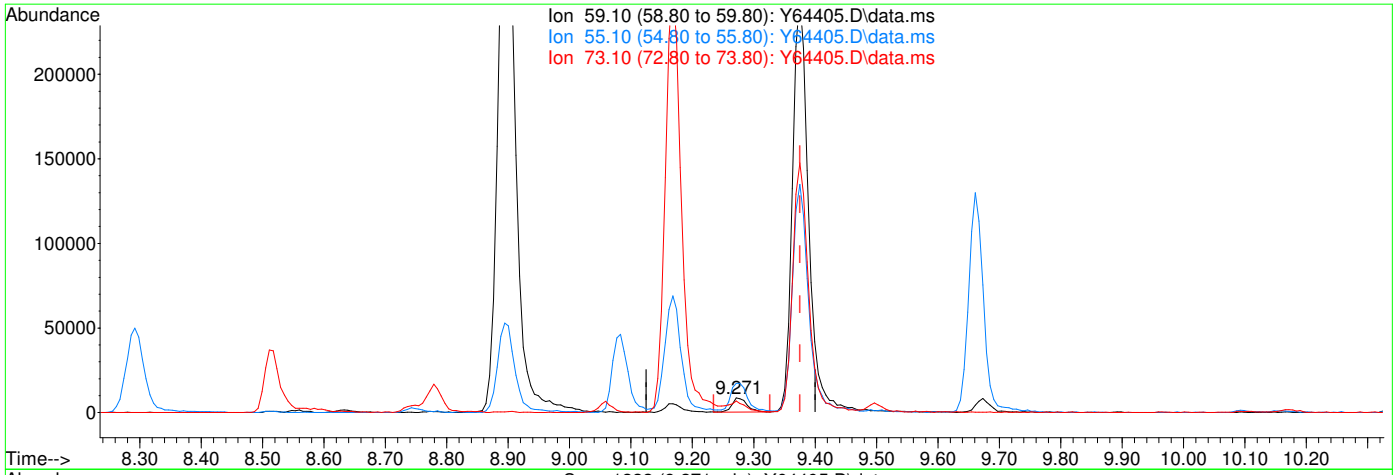
response 105522

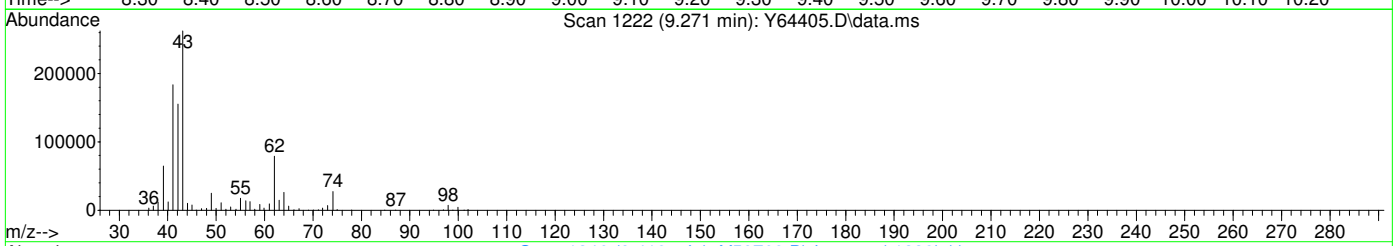
Ion	Exp%	Act%
56.10	100	100
57.20	192.30	189.05
43.10	151.00	147.35
41.10	129.70	138.45

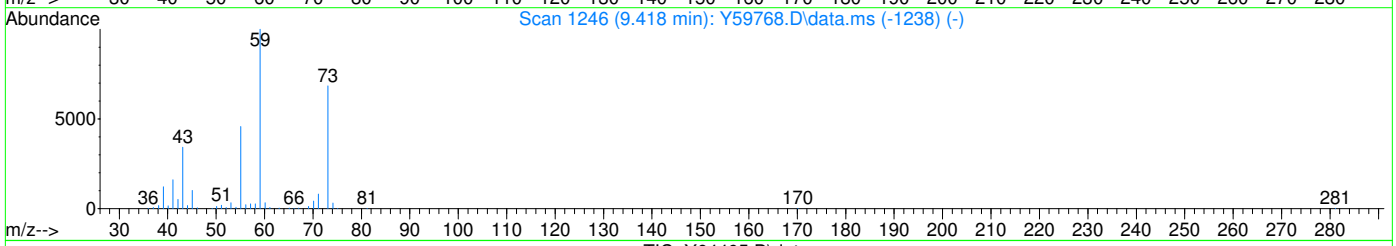
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:12:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64405.D\data.ms

(52) Tert Amyl Alcohol

9.271min (-0.104) 17.39ug/L

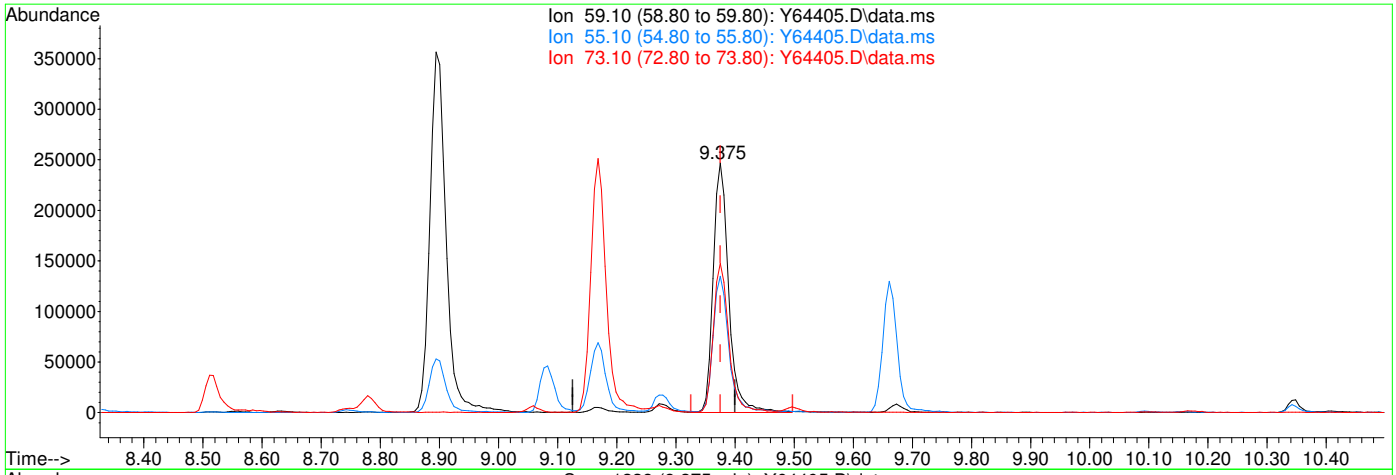
response 14404

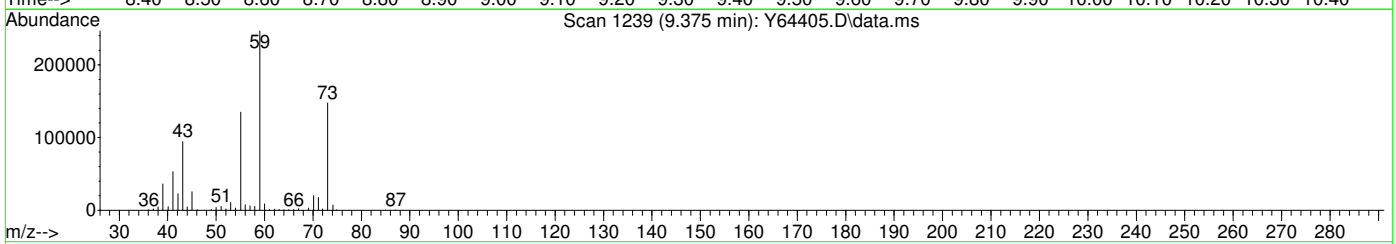
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	195.62#
73.10	59.00	78.41
0.00	0.00	0.00

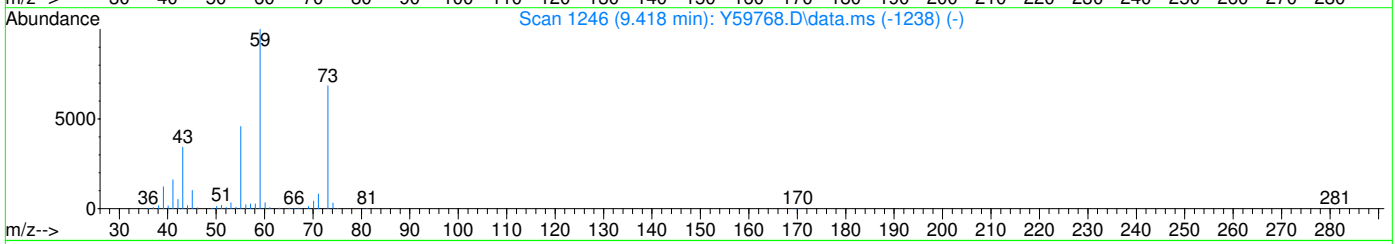
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:12:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64405.D\data.ms

(52) Tert Amyl Alcohol

9.375min (-0.000) 446.85ug/L m

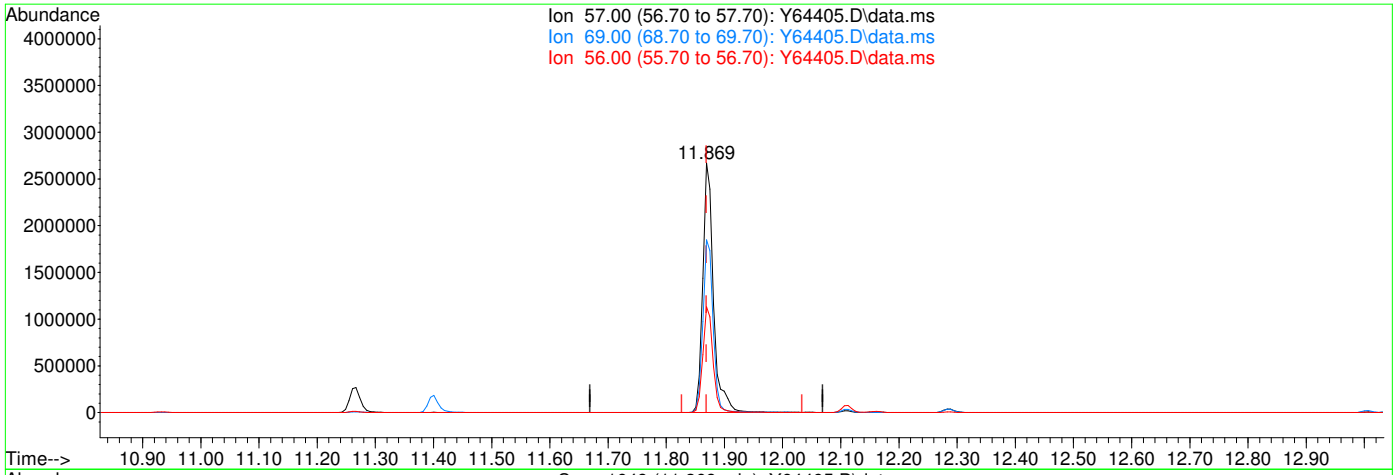
response 450205

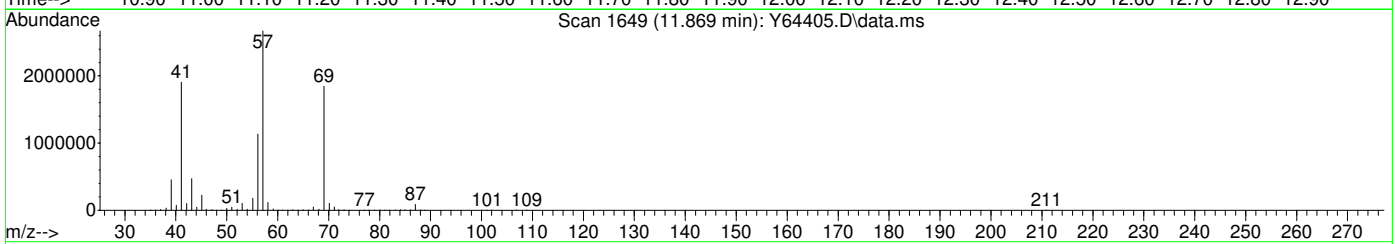
Ion	Exp%	Act%
59.10	100	100
55.10	51.70	54.64
73.10	59.00	59.77
0.00	0.00	0.00

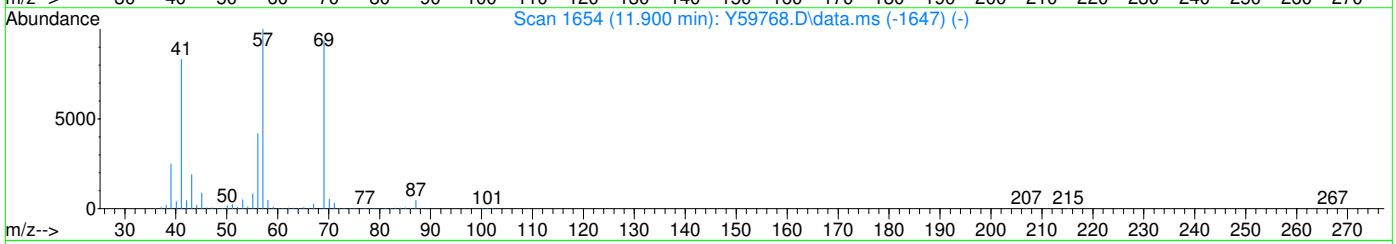
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:12:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64405.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (+0.000) 2101.07ug/L

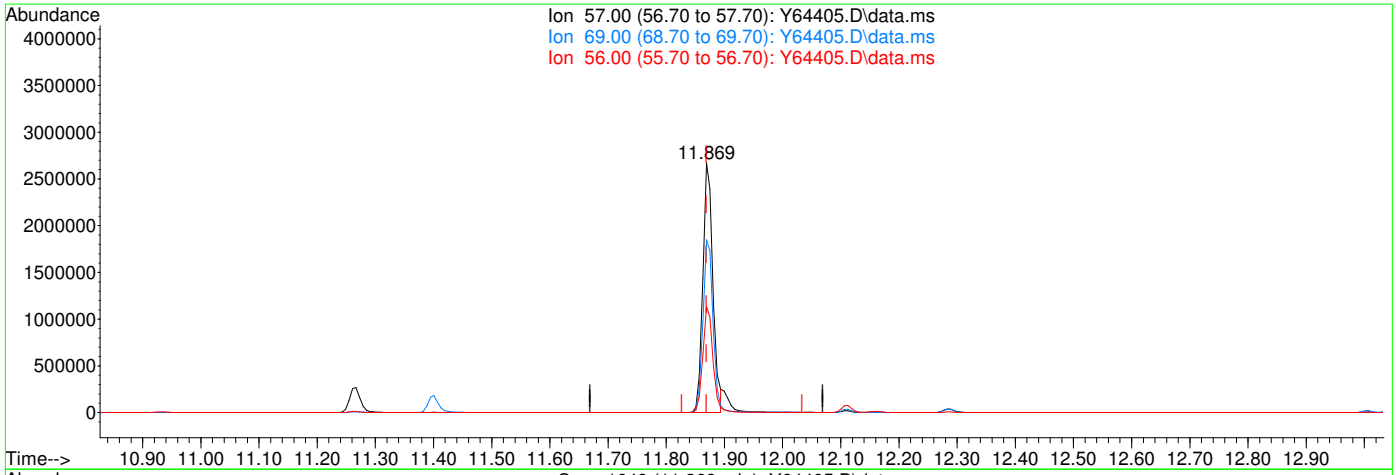
response 3431428

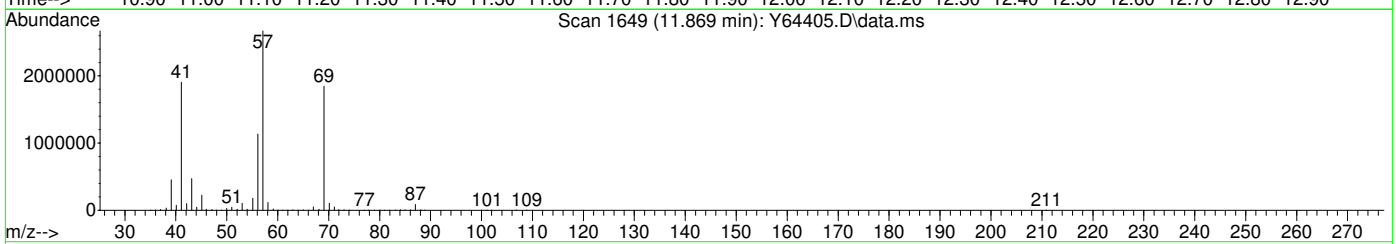
Ion	Exp%	Act%
57.00	100	100
69.00	70.10	69.20
56.00	42.20	42.38
0.00	0.00	0.00

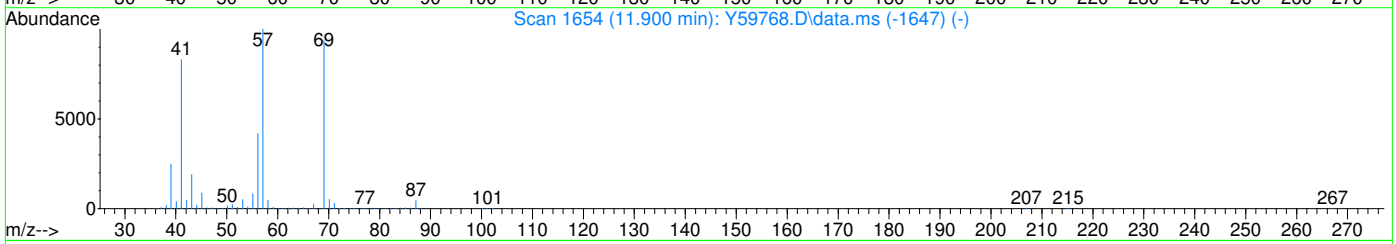
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\johnm\September 2022\09-02-2022\vy2669\
Data File : Y64405.D
Acq On : 1 Sep 2022 10:18 pm
Operator : joannel
Sample : ECC2666-5
Misc : MS52308,VY2669,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 02 02:12:14 2022
Quant Method : C:\msdchem\1\methods\APPIX_08-29-2022_Y.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Fri Sep 14 08:38:11 2018
Response via : Initial Calibration







TIC: Y64405.D\data.ms

(74) 3,3-dimethyl-1-butanol

11.869min (+0.000) 1979.90ug/L m

response 3201559

Ion	Exp%	Act%
57.00	100	100
69.00	70.10	69.22
56.00	42.20	42.39
0.00	0.00	0.00

SGS -ORLANDO

MSVOA13-P-ANALYSIS LOG

DATE:	8/24/2022
COLUMN TYPE:	RTXVMS
DETECTOR:	5973MSD
INSTRUMENT:	MSVOA13-P
PURGE PRESSURE:	1 4PSI
PURGE VOLUME:	5mL
ANALYST:	Courtney F

METHODS: 8260	
METHOD FILE:	V1P_2022-08-24.M
CALIB. DATE:	8/24/2022
EM VOLTAGE:	1529V
ACQ. METHOD: RTXFAST	
BFB RESPONSE:	2243719
V1P3565	

BFB: VS2392
ICAL/CC: VS2375, VS2376, VS2387
VS2386, VS2383, VS2393
ISTD/SUR: VS2392
ICV/QC: VS2349, VS2350, VS2394,
VS2389, VS2388, VS2385, VS2397
DATA REVIEWED BY: Courtney F / Celine C.

PH LOT: 1-12pH 212820
0-3pH 230320
KI PAPER LOT: 022018
AFA: VS2248B
SAMPLE ID VERIFIED BY:
Courtney F
Date: 8/24/2022

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
1P92260	BLANK	-	-	W	1	8260		-	-	-	Passed autofind ✓
1P92262	BFB/IC3565-1	-	-	W	2	8260		-	-	-	Passed autofind; 1uL→ 100mL ✓
1P92264	IC3565-2	-	-	W	3	8260		-	-	-	5uL→ 100mL ✓
1P92266	IC3565-3	-	-	W	4	8260		-	-	-	10uL→ 100mL ✓
1P92268	IC3565-4	-	-	W	5	8260		-	-	-	25uL→ 100mL ✓
1P92270	IC3565-5	-	-	W	6	8260		-	-	-	40uL→ 100mL ✓
1P92272	IC3565-6	-	-	W	7	8260		-	-	-	70uL→ 100mL ✓
1P92274	IC3565-7	-	-	W	8	8260		-	-	-	100uL→ 100mL ✓
1P92276	BLANK	-	-	W	9	8260		-	-	-	✓
1P92278A	ICV3565-5/CC3565-5	-	-	W	10	8260		-	-	-	50uL→ 100mL ✓
1P92280A	ICV3565-4/BS	-	-	W	11	8260		-	-	-	12.5uL→ 100mL ✓
1P92282	CC3565-1	-	-	W	12	8260	all low peaks present	-	-	-	1uL→ 100mL ✓
1P92284	MB	-	-	W	13	8260		-	-	-	AFA, ND ✓
1P92286	FA98254-15	1x	6	W	14	8260		1	N	-	ND ✓
1P92288	FA98265-11	1x	1	W	15	8260		1	N	-	ND ✓
1P92290	FA98225-14	1x	6	W	16	8260		1	N	-	✓
1P92292	FA98254-17	1x	6	W	17	8260		1	N	-	ND ✓
1P92294	FA98254-18	1x	6	W	18	8260		1	N	-	ND ✓
1P92296	FA98254-19	1x	6	W	19	8260		1	N	-	ND ✓
1P92298	FA98267-1	1x	1	W	20	8260		1	N	-	ND ✓
1P92300	FA98270-1	1x	1	W	21	8260		1	N	-	ND ✓
1P92302	FA98271-1	1x	1	W	22	8260		1	N	-	ND ✓
1P92304	FA98225-15	2x	6	W	23	8260	25mL(-)50mL	1	N	-	AFA, ✓
1P92306	FA98225-15MS	10x	6	W	24	8260	10mL(-)100mL	1	N	-	12.5uL→ 100mL ✓
1P92308	FA98225-15MSD	10x	6	W	25	8260	10mL(-)100mL	1	N	-	12.5uL→ 100mL ✓
1P92310	ECC3565-5	-	-	W	26	8260		-	-	-	40uL→ 100mL ✓

CS 8/25/22

* For NELAC purposes, Method 8260 includes anlytes by SOP MS005 Matrix: Designaate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PH Poor

Analyst's Signature: CS

SGS -ORLANDO

MSVOA13-P-ANALYSIS LOG

DATE:	9/13/2022
COLUMN TYPE:	RTXVMS
DETECTOR:	5973MSD
INSTRUMENT:	MSVOA13-P
PURGE PRESSURE:	1.4PSI
PURGE VOLUME:	5mL
ANALYST:	Lindsay R.

METHODS:	8260 *
METHOD FILE:	V1P_2022-08-24.M
CALIB. DATE:	8/24/2022
EM VOLTAGE:	1435V
ACQ. METHOD:	RTXFAST
BFB RESPONSE:	2320417
V1P3579	

BFB: VS2448
ICAL/CC: VS2444, VS2442, VS2420
VS2418, VS2440, VS2450
ISTD/SUR: VS2448
ICV/QC: VS2425, VS2426, VS2424,
VS2422, VS2441, VS2451, VS2385
DATA REVIEWED BY: Lindsay R. / John M.

PH LOT: 1-12pH 212820
0-3pH 230320
KI PAPER LOT: 022018
AFA: VS2248D
SAMPLE ID VERIFIED BY:
Lindsay R.
Date: 9/13/2022

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
1P92893	BLANK	-	-	W	1	8260		-	-	-	
1P92895	BFB/CC3565-5	-	-	W	2	8260	#10,50,76(PII) #40(OP)	-	-	-	Passed autofind; 40uL→ 100mL ✓
1P92897	BS	-	-	W	3	8260	#10,50,76(PII) #40(OP)	-	-	-	12.5uL→ 40mL ✓
1P92899	CC3565-1	-	-	W	4	8260		-	-	-	1uL→ 100mL ✓
1P92901	MB	-	-	W	5	8260		-	-	-	ND ✓
1P92903	FA98456-6	1X	2	W	6	8260		1	N		Chlorobenzene only ✓
1P92905	FA98710-7	1X	7	W	7	8260		1	N		xMTBE hit confirms (not CO); approve first run
1P92907	FA98710-11	1X	7	W	8	8260		1	N		xMTBE hit confirms (not CO); approve first run
1P92909	FA98710-15	1X	7	W	9	8260		1	N		✓
1P92911	FA98710-6	5X	4	W	10	8260	Significant HS. 10mL (-) 50mL	1	N		E-combine✓
1P92913	FA98710-10	5X	7	W	11	8260	10mL (-) 50mL	7	N		E-combine✓
1P92915	FA98710-12	10X	7	W	12	8260	5mL (-) 50mL	1	N		E-combine✓
1P92917	FA98769-9	1X	2	W	13	8260		1	N		✓
1P92919	FA98769-10	1X	2	W	14	8260		1	N		✓
1P92921	**FA98769-11**	2X	2	W	15	8260	25mL (-) 50mL	1	N	1x	No dilution required; Possible xylenes CO
1P92923	**FA98769-12**	1X	2	W	16	8260		1	N	1x	Possible xylenes CO
1P92925	**FA98801-1**	2X	1	W	17	8260	25mL (-) 50mL	1	N	1x	No dilution required
1P92927	FA98801-2	1X	1	W	18	8260		1	N		✓
1P92929	FA98817-1	1X	2	W	19	8260		1	N		ND ✓
1P92931	**FA98817-2**	2X	2	W	20	8260	25mL (-) 50mL	1	N	1x	No dilution required
1P92933	**FA98817-3**	2X	1	W	21	8260	25mL (-) 50mL	1	N	1x	No dilution required
1P92935	FA98710-12MS	10X	7	W	22	8260	#10,50,76(PII) #40(OP); 10mL (-) 100mL	1	N		12.5uL→ 40mL ✓
1P92937	FA98710-12MSD	10X	7	W	23	8260	#10,50,76(PII) #40(OP); 10mL (-) 100mL	1	N		12.5uL→ 40mL ✓
1P92939	ECC3565-5	-	-	W	24	8260	#10,50,76(PII) #40(OP)	-	-	-	40uL→ 100mL ✓

* For NELAC purposes, Method 8260 includes anlytes by SOP MS005 Matrix: Designaate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aquous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor

Analyst's Signature: LR

SGS ANDO MSVOA16-ALYSIS LOG

DATE: 08/30/2022	METHODS:* 8260	BFB: VS2391	pH LOT#: (1-12 pH paper): 220814
COLUMN TYPE: RTX-VMS	METHOD FILE: 2022-08-30APP9-I.M	ICAL/CC: VS2375, VS2376, VS2387,	(0-3 pH paper): 220416
DETECTOR 5975C MSD	CALIB. DATE 08/23/2022	VS2386, VS2415, VS2407	KI PAPER LOT#: 102916
INSTRUMENT MSVOA16-I	EM VOLTAGE: 1294V	ISTD/SUR: VS2391	AFA: VS2035C
PURGE PRESSURE: 1.3 psi	BFB RESPONSE: 2043437	ICV/QC: VS2349, VS2350, VS2394,	SAMPLE ID VERIFIED BY:
		VS2389, VS2388, VS2385, VS2414	Adelard L
ANALYST: Adelard L	RUN ID: VI2679	DATA PROCESSED BY: Antonette C	DATE VERIFIED: 08/30/2022

Data File	Sample ID	Dil.	Vial #	Matrix	ALS Pos.	Sample Method	Manually Integrated Peaks Rationale, Peak#	pH	CI ?	RR	Comments
I750989	BLANK	-	-	W	1	8260		-	-	-	Passed autofind ✓
I750990	IC2679-1/BFB	-	-	W	2	8260	#42(MP)	-	-	-	Passed autofind; 1uL→ 100mL ✓
I750991	IC2679-2	-	-	W	3	8260	#74(OP)	-	-	-	5uL→ 100mL ✓
I750992	IC2679-3	-	-	W	4	8260	#22,74(OP)	-	-	-	5uL→ 50mL ✓
I750993	IC2679-4	-	-	W	5	8260	#22,74(OP)	-	-	-	12.5uL→ 50mL ✓
I750994	ICC2679-5	-	-	W	6	8260	#22,74(OP)	-	-	-	20uL→ 50mL ✓
I750995	IC2679-6	-	-	W	7	8260	#22,74(OP)	-	-	-	35uL→ 50mL ✓
I750996	IC2679-7	-	-	W	8	8260	#22,74,75(OP)	-	-	-	50uL→ 50mL ✓
I750997	BLANK	-	-	W	9	8260		-	-	-	
I750998	ICV2679-5	-	-	W	10	8260	#22,74(OP)	-	-	-	25uL→ 50mL ✓
I750998A	CC2679-5	-	-	W	10	8260	#22,74(OP)	-	-	-	25uL→ 50mL ✓
I751999	ICV2679-4	-	-	W	11	8260		-	-	-	12.5uL→ 40mL ✓
I751999A	BS	-	-	W	11	8260		-	-	-	12.5uL→ 40mL ✓
I751000	CC2679-1	-	-	W	12	8260		-	-	-	1uL→ 100mL ✓
I751001	MB	-	-	W	13	8260		-	-	-	ND ✓
I751002	FA98391-2	1X	1	W	14	8260		1	N		✓
I751003	FA98391-3	1X	1	W	15	8260		1	N		✓
I751004	FA98391-4	1X	1	W	16	8260		1	N		ND ✓
I751005	FA98391-5	1X	1	W	17	8260		1	N		ND ✓
I751006	FA98391-6	1X	1	W	18	8260		1	N		✓
I751007	FA98391-7 5X	5X	1	W	19	8260	10mL(-)50mL	1	N	1x	Target Compounds Low
I751008	FA98391-8	1X	2	W	20	8260		1	N		ND ✓
I751009	FA98391-9	1X	2	W	21	8260		1	N		ND ✓
I751010	FA98391-10	1X	1	W	22	8260		1	N		✓
I751011	FA98391-11	1X	2	W	23	8260		1	N		✓
I751012	FA98391-7MS 10X	10X	1	W	24	8260	10mL(-)100mL #22,74(OP)	1	N		12.5uL→ 40mL ✓
I751013	FA98391-7MSD 10X	10X	1	W	25	8260	10mL(-)100mL #22,74(OP)	1	N		12.5uL→ 40mL ✓
I751014	ECC2672-5	-	-	W	26	8260	#74(OP)	-	-	-	20uL→ 50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature:

SGS -ORLANDO **MSVOA16-I-ANALYSIS LOG**

DATE: 08/31/2022	METHODS:* 8260	BFB: VS2391	pH LOT#: (1-12 pH paper): 220814
COLUMN TYPE: RTX-VMS	METHOD FILE: 2022-08-23APP9-I M	ICAL/CC: VS2375, VS2376, VS2387,	(0-3 pH paper): 220416
DETECTOR: 5975C MSD	CALIB. DATE: 08/23/2022	VS2386, VS2415, VS2407	KI PAPER LOT#: 102916
INSTRUMENT: MSVOA16-I	EM VOLTAGE: 1294V	ISTD/SUR: VS2391	AFA: VS2035C
PURGE PRESSURE: 1.3 psi	BFB RESPONSE: 260544	ICV/QC: VS2349, VS2350, VS2394,	SAMPLE ID VERIFIED BY:
		VS2389, VS2388, VS2385, VS2414	KarenW
ANALYST: KarenW	RUN ID: VI2680	DATA PROCESSED BY: Karen W	DATE VERIFIED: 08/31/2022

Data File	Sample ID	Dil.	Vial #	Matrix	ALS Pos.	Sample Method	Manually Integrated Peaks Rationale, Peak#	pH	CI ?	RR	Comments
I751015	BFB	-	-	W	1	8260		-	-	-	
I751016	CC2679-5	-	-	W	2	8260		-	-	-	20uL→ 50mL
I751017	BS	-	-	W	3	8260		-	-	-	12.5uL→ 50mL
I751018	CC2679-1	-	-	W	4	8260		-	-	-	1uL→ 100mL
I751019	BLANK	-	-	W	5	8260		-	-	-	
I751020	MB	-	-	W	6	8260		-	-	-	ND ✓
I751021	FA98392-1	1	1	W	7	8260		1	N		✓
I751022	FA98404-6	1	7	W	8	8260		1	N		✓
I751023	FA98404-13	1	2	W	9	8260				RR	No sample purged
I751024	FA98404-14	1	2	W	10	8260				RR	No sample purged
I751025	FA98404-15	1	2	W	10	8260		1	N		ND ✓
I751026	FA98404-16	1	2	W	11	8260				RR	No sample purged
I751027	FA98404-17 50X	50	2	W	11	8260	1mL→ 50mL	1	N		✓
I751028	FA98404-18	1	2	W	12	8260				RR	No sample purged
I751029	FA98404-19	1	1	W	13	8260		1	N		ND ✓
I751030	FA98404-20	1	1	W	14	8260		1	N		ND ✓
I751031	FA98404-21	1	2	W	15	8260		1	N		ND ✓
I751032	FA98404-22	1	1	W	16	8260		1	N		ND ✓
I751033	FA98456-4 10X	10	2	W	17	8260	5mL→ 50mL	1	N	1x	overdilute
I751034	FA98456-5 20X	20	2	W	18	8260	2.5mL→ 50mL	1	N		✓
I751035	FA98456-6	1	1	W	19	8260		1	N	1x	Chlorobenzene carryover
I751036	FA98456-7	1	1	W	20	8260		1	N		✓
I751037	FA98456-8	1	1	W	21	8260		1	N		ND ✓
I751038	FA98456-9 20X	20	2	W	22	8260	2.5mL→ 50mL	1	N		✓
I751039	FA98456-10	1	1	W	23	8260		1	N		✓
I751040	FA98404-6MS	1	8	W	24	8260		1	N		12.5uL→ 40mL
I751041	FA98404-6MSD	1	9	W	25	8260		1	N		12.5uL→ 40mL
I751042	ECC2672-5	-	-	W	26	8260		-	-	-	20uL→ 50mL

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

Analyst's Signature: _____

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	08/23/2022
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6
PURGE VOLUME:	5 mL
ANALYST:	JoAnn L

METHODS:*	8260
METHOD FILE:	VO_08-23-2022.M
CALIB. DATE:	8/23/2022
EM VOLTAGE:	1600V
BFB RESPONSE:	3023692
RUN ID:	VO2796

BFB:	VS2371
ICAL/CC:	VS2375, VS2376, VS2387
	VS2386, VS2383, VS2393
ISTD/SUR:	VS2371
ICV/QC:	VS2349, VS2350, VS2394
	VS2389, VS2388, VS2385, VS2390
AFA:	VS2035D

PH LOT 1-12: 212521
PH LOT 0.0-3.0: 230320
KI PAPER LOT: 030317
SAMPLE ID VERIFIED BY: JoAnn L
DATE VERIFIED: 08/23/2022
DATA REVIEWED BY:
JoAnn L

Data File	Sample ID	Dil.	Vial #	Matrix	ALS Pos.	Sample Method	Manually Integrated Peaks Rationale, Peak #	pH	CI ?	RR	COMMENTS
O70541	BFB	-	-	W	1	8260		-	-	-	Passed autofind✓
O70542	IC2796-1	-	-	W	2	8260		-	-	-	1uL→ 100mL ✓
O70543	IC2796-2	-	-	W	3	8260		-	-	-	5uL→ 100mL ✓
O70544	IC2796-3	-	-	W	4	8260		-	-	-	5uL→ 50mL ✓
O70545	IC2796-4	-	-	W	5	8260		-	-	-	12.5uL→ 50mL ✓
O70546	ICC2796-5	-	-	W	6	8260		-	-	-	40uL→ 100mL ✓
O70547	IC2796-6	-	-	W	7	8260		-	-	-	35uL→ 50mL ✓
O70548	IC2796-7	-	-	W	8	8260		-	-	-	50uL→ 50mL ✓
O70549	BLANK	-	-	W	9	8260		-	-	-	✓
O70550	ICV2796-5	-	-	W	10	8260		-	-	-	25uL→ 50mL ✓
O70551	ICV2796-4	-	-	W	11	8260	Not used-not needed	-	-	-	12.5uL→ 40mL ✓

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: _____

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/02/2022
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6
PURGE VOLUME:	5 mL
ANALYST:	JoAnn L

METHODS:*	8260
METHOD FILE:	VO_08-23-2022.M
CALIB. DATE:	8/23/2022
EM VOLTAGE:	1600V
BFB RESPONSE:	2944403
RUN ID:	VO2809-10

BFB:	VS2371
ICAL/CC:	VS2375, VS2376, VS2387
	VS2386, VS2383, VS2407
ISTD/SUR:	VS2371
ICV/QC:	VS2349, VS2350, VS2394
	VS2389, VS2388, VS2385, VS2408
AFA:	VS2248D

PH LOT 1-12: 212521
PH LOT 0.0-3.0: 230320
KI PAPER LOT: 030317
SAMPLE ID VERIFIED BY: JL
DATE VERIFIED: 09/02/2022
DATA REVIEWED BY:
JoAnn L/Adelard L

Data File	Sample ID	Dil.	Vial #	Matrix	ALS Pos.	Sample Method	Manually Integrated Peaks Rationale, Peak #	pH	CI ?	RR	COMMENTS
O70825	BLANK	-	-	W	1	8260		-	-	-	Passed autofind✓
O70826	CC2796-5/BFB	-	-	W	2	8260	#10,25,76(PII) #22(OP)	-	-	-	Passed autofind; 40uL→ 100mL✓
O70827	BS	-	-	W	3	8260	#10,25,76(PII) #22(OP)	-	-	-	12.5uL→ 40mL ✓
O70828	CC2796-1	-	-	W	4	8260		-	-	-	1uL→ 100mL ✓
O70829	MB	-	-	W	5	8260		-	-	-	ND ✓
O70830	FA98473-5	1X	3	W	6	8260	Headspace	1	N	-	✓
O70831	FA98404-13	1X	2	W	7	8260		1	N	-	✓
O70832	FA98404-16	1X	2	W	8	8260		1	N	-	✓
O70833	FA98404-18	1X	2	W	9	8260		1	N	-	✓
O70834	FA98452-2	1X	9	W	10	8260		1	N	-	✓
O70835	FA98452-4	1X	3	W	11	8260		1	N	-	ND ✓
O70836	FA98603-6	1X	1	W	12	8260		6	N	-	ND ✓
O70837	FA98603-7	1X	1	W	13	8260	Lot#	1	N	-	ND ✓
O70838	FA98603-1	1X	1	W	14	8260	Bubble>6mm	6	N	-	✓
O70839	FA98603-2	1X	1	W	15	8260		6	N	-	✓
O70840	FA98603-3	1X	1	W	16	8260		6	N	-	ND ✓
O70841	FA98603-4	1X	1	W	17	8260		6	N	-	ND ✓
O70842	FA98603-5	1X	1	W	18	8260		6	N	-	ND ✓
O70843	FA98611-1 100X	100X	1	W	19	624	500uL(-)50mL	6	N	20x	Overdiluted
O70844	FA98456-4	1X	3	W	20	8260		1	N	-	ND ✓
O70845	FA98394-2 10X	10X	3	W	21	8260	5mL(-)50mL	1	N	-	✓
O70846	FA98394-13 20X	20X	3	W	22	8260	2.5mL(-)50mL	1	N	-	✓
O70847	FA98394-14 5X	5X	3	W	23	8260	10mL(-)50mL	1	N	-	✓
O70848	FA98394-2MS 10X	10X	3	W	24	8260	**#10,25,76(PII) #22(OP); VO2809; 10mL(-)100mL**	1	N	-	✓
O70849	FA98394-2MSD 10X	10X	3	W	25	8260	**#10,25,76(PII) #22(OP); VO2809; 10mL(-)100mL**	1	N	-	✓
O70850	FA98611-1MS 100X	100X	1	W	26	624	**#10,25,76(PII) #22(OP); VO2810; 1mL(-)100mL**	6	N	-	12.5uL→ 40mL ✓
O70851	FA98611-1MSD 100X	100X	1	W	27	624	**#10,25,76(PII) #22(OP); VO2810; 1mL(-)100mL**	6	N	-	12.5uL→ 40mL ✓
O70852	ECC2796-5	-	-	W	28	8260	**#10,25(PII) #22(OP)**	-	-	-	40uL→ 100mL✓

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Adelard Dyer

SGS -ORLANDO

MSVOA14-Y-ANALYSIS LOG

DATE: 08/29/2022	
COLUMN TYPE: RTX-VMS	
DETECTOR: 5973 MSD	
INSTRUMENT: MSVOA14-Y	
PURGE PRESSURE: 9.0 psi	
PURGE VOLUME: 5 mL	
ANALYST: JoAnn L	

METHODS:	8260
METHOD FILE: APIX_08-29-2022_Y.M	
CALIB. DATE:	8/29/2022
EM VOLTAGE:	1165V
BFB RESPONSE:	1219829
RUN ID:	**VY2666**

BFB:	VS2377
ICAL/CC:	VS2375, VS2376, VS2387,
VS2386, VS2383, VS2407	
ISTD/SURR:	VS2377
ICV/QC:	VS2349, VS2350, VS2394
VS2389, VS2388, VS2385, VS2414	
DATA PROCESSED BY: JoAnn L	

0 to 12 pH lot#
0 to 3 pH lot#: 220416
KI PAPER LOT: 102916
AFA: N/A
SAMPLE ID VERIFIED BY: JoAnn L
DATE: 08/29/2022

DATA FILE	SAMPLE ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONALE & PEAK #	pH	CI ?	RR	COMMENTS
Y64309	BLANK	-	-	W	1	8260		-	-	-	Passed Autofind ✓
Y64310	BFB	-	-	W	2	8260		-	-	-	Passed autofind ✓
Y64311	IC2666-1	-	-	W	3	8260		-	-	-	1uL → 100mL ✓
Y64312	IC2666-2	-	-	W	4	8260		-	-	-	5uL → 100mL ✓
Y64313	IC2666-3	-	-	W	5	8260		-	-	-	5uL → 50mL ✓
Y64314	IC2666-4	-	-	W	6	8260		-	-	-	12.5uL → 50mL ✓
Y64315	ICC2666-5	-	-	W	7	8260		-	-	-	40uL → 100mL ✓
Y64316	IC2666-6	-	-	W	8	8260		-	-	-	35uL → 50mL ✓
Y64317	IC2666-7	-	-	W	9	8260		-	-	-	50uL → 50mL ✓
Y64318	BLANK	-	-	W	10	8260		-	-	-	✓
Y64319	ICV2666-5	-	-	W	11	8260	Not used-bad prep; re ran on VY2667	-	-	Y	25uL → 50mL ✓
Y64320	ICV2666-4	-	-	W	12	8260	Not used-bad prep; re ran on VY2667	-	-	Y	12.5uL → 40mL ✓
Y64323	ICV2666-5	-	-	W	3	8260	VY2666	-	-	-	25uL → 50mL ✓
Y64324	ICV2666-4	-	-	W	4	8260	TAME/CHO/33DM only; VY2666	-	-	-	12.5uL → 40mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rationale SOP QA029 MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration.

Analyst's Signature: _____

SGS -ORLANDO

MSVOA14-Y-ANALYSIS LOG

DATE: 09/01/2022	
COLUMN TYPE: RTX-VMS	
DETECTOR: 5973 MSD	
INSTRUMENT: MSVOA14-Y	
PURGE PRESSURE: 9.0 psi	
PURGE VOLUME: 5 mL	
ANALYST: JoAnn L	

METHODS:	8260
METHOD FILE: APIX_08-29-2022_Y.M	
CALIB. DATE:	8/29/2022
EM VOLTAGE:	1165V
BFB RESPONSE:	1994675
RUN ID:	VY2669

BFB: VS2377
ICAL/CC: VS2375, VS2376, VS2387,
VS2386, VS2383, VS2407
ISTD/SURI VS2377
ICV/QC: VS2349, VS2350, VS2394
VS2389, VS2388, VS2385, VS2414
DATA PROCESSED BY: JoAnn L

0 to 12 pH lot#
0 to 3 pH lot#: 220416
KI PAPER LOT: 102916
AFA: N/A
SAMPLE ID VERIFIED BY: JoAnn L
DATE: 09/01/2022

DATA FILE	SAMPLE ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONALE & PEAK #	pH	CI ?	RR	COMMENTS
Y64377	BLANK	-	-	W	1	8260		-	-	-	Passed Autofind ✓
Y64378	CC2666-5/BFB	-	-	W	2	8260	#22,74(OP) #52(MP)	-	-	-	Passed autofind; 40uL(-)50mL ✓
Y64379	BS	-	-	W	3	8260	#22,74(OP) #52(MP)	-	-	-	12.5uL → 40mL ✓
Y64380	CC2666-1	-	-	W	4	8260	All peaks present	-	-	-	1uL → 100mL ✓
Y64381	BLANK	-	-	W	5	8260		-	-	-	✓
Y64382	MB	-	-	W	6	8260		-	-	-	ND ✓
Y64383	FA98455-7	1X	2	W	7	8260		1	N	-	ND ✓
Y64384	FA98303-8	1X	3	W	8	8260		1	N	-	Headspace✓
Y64385	FA98303-2	1X	3	W	9	8260		1	N	-	✓
Y64386	**FA98404-13**	1X	3	W	10	8260		1	N	1x	CIS12 carryover
Y64387	FA98404-14	1X	3	W	11	8260		1	N	-	✓
Y64388	**FA98404-16**	1X	3	W	12	8260		1	N	1x	CIS12 carryover
Y64389	**FA98404-18**	1X	3	W	13	8260		1	N	1x	CIS12 carryover
Y64390	FA98455-2	1X	1	W	14	8260		1	N	-	✓
Y64391	FA98455-3	1X	2	W	15	8260		1	N	-	✓
Y64392	FA98455-4	1X	1	W	16	8260		1	N	-	✓
Y64393	FA98455-5	1X	2	W	17	8260		1	N	-	Bubble>6mm, all vials received✓
Y64394	FA98455-6	1X	2	W	18	8260		1	N	-	ND ✓
Y64395	FA98455-8	1X	2	W	19	8260		1	N	-	✓
Y64396	FA98456-1	1X	2	W	20	8260		1	N	-	✓
Y64397	FA98456-2	1X	1	W	21	8260		1	N	-	✓
Y64398	FA98456-3	1X	2	W	22	8260		1	N	-	✓
Y64399	FA98455-1 5X	5X	2	W	23	8260	10mL(-)50mL	1	N	-	✓
Y64400	FA98303-7 10X	10X	3	W	24	8260	5mL(-)50mL	1	N	-	Headspace E-combine✓
Y64401	FA98455-4MS	1X	3	W	25	8260	#22,74(OP) #52(MP)	1	N	-	12.5uL → 40mL ✓
Y64402	FA98455-4MSD	1X	4	W	26	8260	#22,74(OP) #52(MP)	1	N	-	12.5uL → 40mL ✓
Y64403	FA98456-3MS	1X	3	W	27	8260	#22,74(OP) #52(MP)	1	N	-	12.5uL → 40mL ✓
Y64404	FA98456-3MSD	1X	4	W	28	8260	#22,74(OP) #52(MP)	1	N	-	12.5uL → 40mL ✓
Y64405	ECC2666-5	-	-	W	29	8260	#22,74(OP) #52(MP)	-	-	-	40uL(-)50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration.

Analyst's Signature: _____

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